

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084015.D
 Acq On : 23 Dec 2015 3:48
 Operator : UM/SJ
 Sample : G4916-07MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

Quant Time: Dec 23 04:49:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	42894	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	167254	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	86955	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	169434	20.00	ng	0.00
75) Chrysene-d12	14.00	240	155997	20.00	ng	0.00
86) Perylene-d12	15.43	264	111045	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	166322	66.11	ng	0.01
7) Phenol-d6	6.48	99	135233	45.72	ng	0.00
23) Nitrobenzene-d5	7.40	82	290559	106.72	ng	0.01
41) 2,4,6-Tribromophenol	10.67	330	137918	164.90	ng	0.01
44) 2-Fluorobiphenyl	9.20	172	593803	91.90	ng	0.00
78) Terphenyl-d14	12.94	244	631492	96.54	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.44	88	16552	13.82	ng	# 95
3) Pyridine	3.18	79	38659	14.18	ng	97
4) n-Nitrosodimethylamine	3.10	42	20610	20.34	ng	94
6) Aniline	6.49	93	113738	27.78	ng	95
8) 2-Chlorophenol	6.62	128	115003	39.70	ng	87
9) Benzaldehyde	6.37	77	55202	27.94	ng	96
10) Phenol	6.49	94	54811	16.02	ng	# 19
11) bis(2-Chloroethyl)ether	6.57	93	125156	47.86	ng	96
12) 1,3-Dichlorobenzene	6.77	146	139151	43.23	ng	99
13) 1,4-Dichlorobenzene	6.84	146	137938	43.89	ng	97
14) 1,2-Dichlorobenzene	7.00	146	139820	46.54	ng	98
15) Benzyl Alcohol	6.98	79	78054	33.51	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.12	45	119997	47.53	ng	92
17) 2-Methylphenol	7.10	107	73466	31.84	ng	# 86
18) Hexachloroethane	7.34	117	50506	43.82	ng	# 90
19) n-Nitroso-di-n-propylamine	7.24	70	95737	53.41	ng	# 85
20) 3+4-Methylphenols	7.25	107	89347	31.37	ng	# 59
22) Acetophenone	7.24	105	195029	49.70	ng	# 91
24) Nitrobenzene	7.41	77	144724	51.58	ng	98
25) Isophorone	7.65	82	253736	49.18	ng	100
26) 2-Nitrophenol	7.73	139	76417	50.60	ng	92
27) 2,4-Dimethylphenol	7.78	122	113896	43.27	ng	97
28) bis(2-Chloroethoxy)methane	7.87	93	164854	51.59	ng	98
29) 2,4-Dichlorophenol	7.98	162	113088	48.09	ng	95
30) 1,2,4-Trichlorobenzene	8.05	180	110819	45.18	ng	98
31) Naphthalene	8.13	128	392487	45.94	ng	99
32) Benzoic acid	7.88	122	15461	16.61	ng	86
33) 4-Chloroaniline	8.19	127	144833	41.45	ng	# 93
34) Hexachlorobutadiene	8.26	225	68102	46.45	ng	100
35) Caprolactam	8.57	113	5320	7.53	ng	# 79
36) 4-Chloro-3-methylphenol	8.68	107	120797	48.03	ng	94
37) 2-Methylnaphthalene	8.83	142	294947	53.30	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.00	216	127099	48.62	ng	99
40) Hexachlorocyclopentadiene	8.99	237	67086	80.99	ng	96

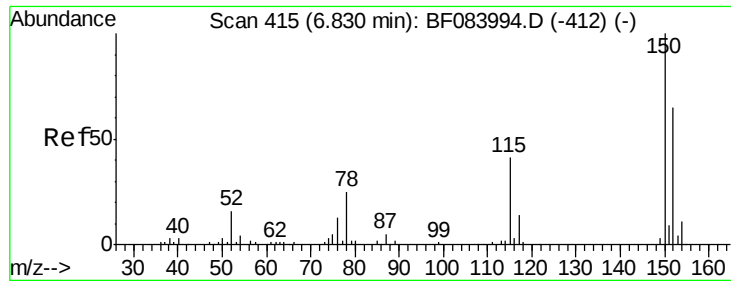
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.12	196	80560	51.18	nq	99
43) 2,4,5-Trichlorophenol	9.16	196	83124	50.74	nq	95
45) 1,1'-Biphenyl	9.30	154	363111	47.24	nq	96
46) 2-Chloronaphthalene	9.32	162	277757	50.19	nq	93
47) 2-Nitroaniline	9.41	65	69653	46.17	nq	93
48) Acenaphthylene	9.73	152	433393	49.45	nq	99
49) Dimethylphthalate	9.61	163	344278	50.60	nq	# 91
50) 2,6-Dinitrotoluene	9.66	165	77576	54.02	nq	98
51) Acenaphthene	9.90	154	256296	49.19	nq	99
52) 3-Nitroaniline	9.82	138	57609	37.77	nq	95
53) 2,4-Dinitrophenol	9.94	184	57579	92.33	nq	# 63
54) Dibenzofuran	10.08	168	371020	47.57	nq	91
55) 4-Nitrophenol	10.01	139	31648	35.31	nq	88
56) 2,4-Dinitrotoluene	10.06	165	92993	51.51	nq	# 90
57) Fluorene	10.42	166	299951	48.54	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.20	232	69997	54.18	nq	95
59) Diethylphthalate	10.29	149	343427	51.36	nq	96
60) 4-Chlorophenyl-phenylether	10.41	204	131998	46.61	nq	# 80
61) 4-Nitroaniline	10.44	138	59797	38.32	nq	96
62) Azobenzene	10.57	77	317968	53.86	nq	90
64) 4,6-Dinitro-2-methylphenol	10.48	198	46612	47.06	nq	# 63
65) n-Nitrosodiphenylamine	10.53	169	283381	45.28	nq	100
66) 4-Bromophenyl-phenylether	10.90	248	90066	46.36	nq	# 76
67) Hexachlorobenzene	10.97	284	96525	45.52	nq	# 68
68) Atrazine	11.06	200	84686	44.76	nq	99
69) Pentachlorophenol	11.17	266	76371	96.74	nq	98
70) Phenanthrene	11.38	178	435067	45.43	nq	98
71) Anthracene	11.44	178	485154	49.89	nq	100
72) Carbazole	11.58	167	406517	44.70	nq	99
73) Di-n-butylphthalate	11.92	149	551371	48.83	nq	# 98
74) Fluoranthene	12.57	202	483349	50.90	nq	98
76) Benzidine	12.68	184	135054	24.28	nq	99
77) Pyrene	12.80	202	495827	46.85	nq	99
79) Butylbenzylphthalate	13.41	149	267807	55.01	nq	93
80) Benzo(a)anthracene	13.99	228	424194	47.16	nq	100
81) 3,3'-Dichlorobenzidine	13.94	252	86911	25.69	nq	# 92
82) Chrysene	14.02	228	364902	43.70	nq	100
83) Bis(2-ethylhexyl)phthalate	13.97	149	353124	52.31	nq	# 98
84) Di-n-octyl phthalate	14.58	149	567183	54.64	nq	99
85) Indeno(1,2,3-cd)pyrene	16.84	276	310588	44.96	nq	99
87) Benzo(b)fluoranthene	15.05	252	720260	102.89	nq	99
88) Benzo(k)fluoranthene	15.05	252	720227	108.18	nq	# 96
89) Benzo(a)pyrene	15.37	252	330159	50.92	nq	# 98
90) Dibenzo(a,h)anthracene	16.84	278	263641	49.07	nq	# 95
91) Benzo(g,h,i)perylene	17.27	276	253663	46.68	nq	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

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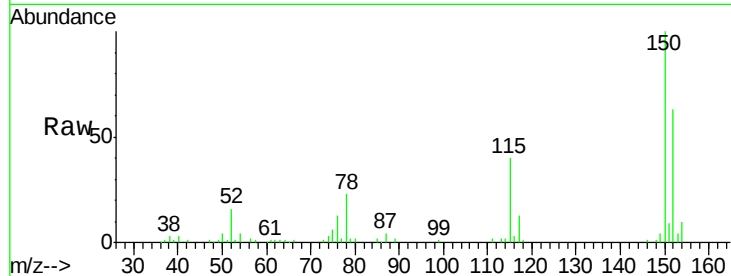
Tot Ion:152 Resp: 42894

Ion Ratio Lower Upper

152 100

150 159.3 123.0 184.4

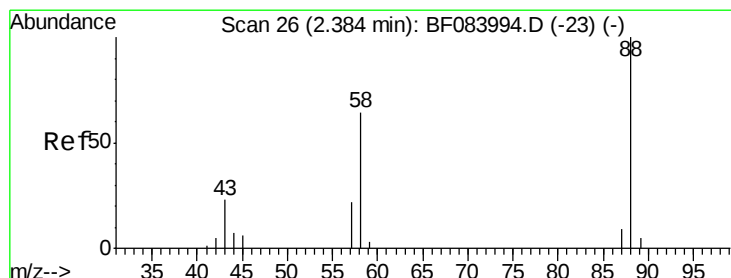
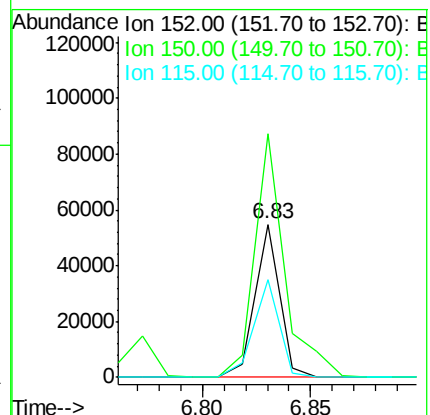
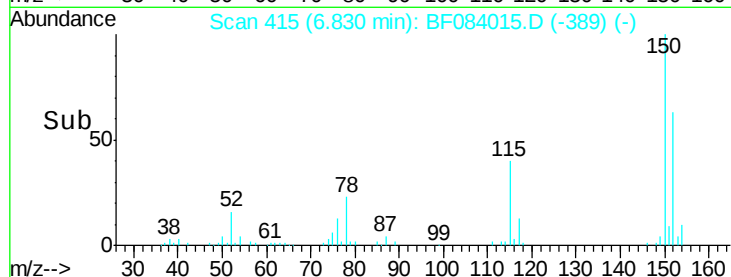
115 63.8 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 13.82 ng

RT: 2.44 min Scan# 31

Delta R.T. 0.06 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

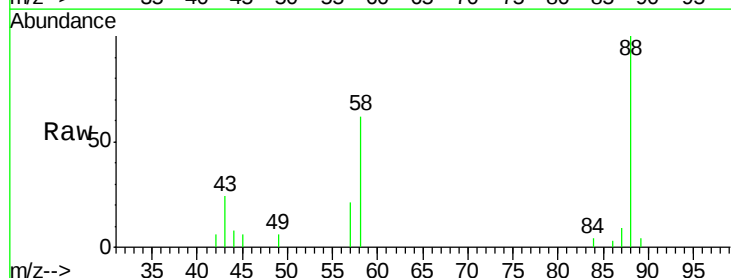
Tgt Ion: 88 Resp: 16552

Ion Ratio Lower Upper

88 100

58 65.3 51.2 76.8

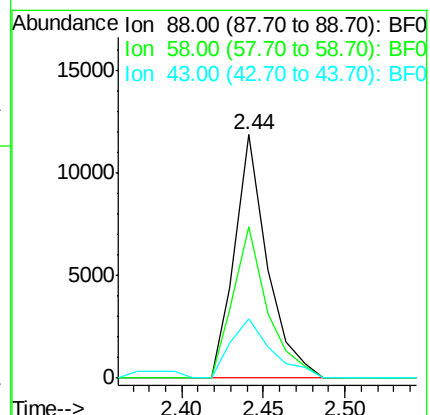
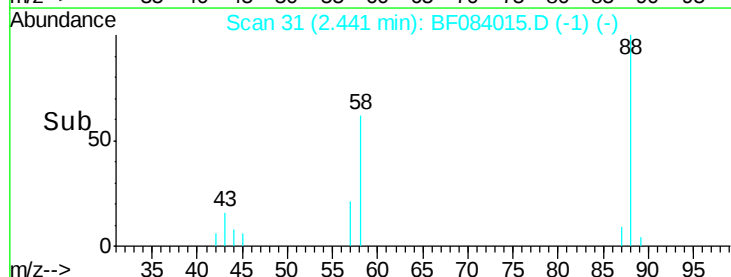
43 30.6 19.5 29.3#

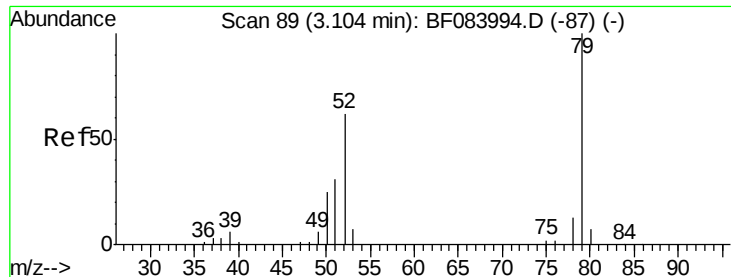


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

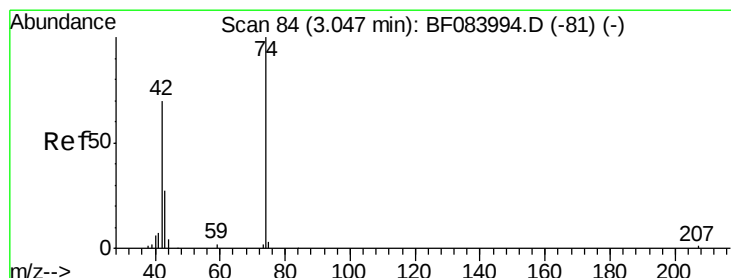
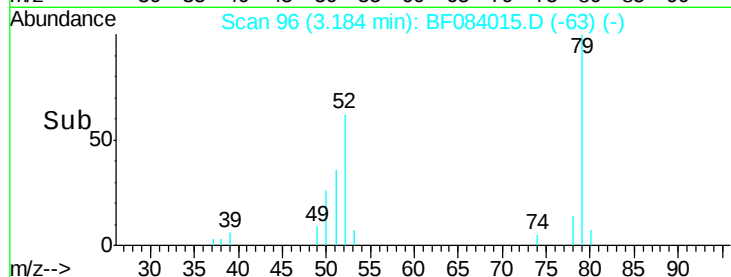
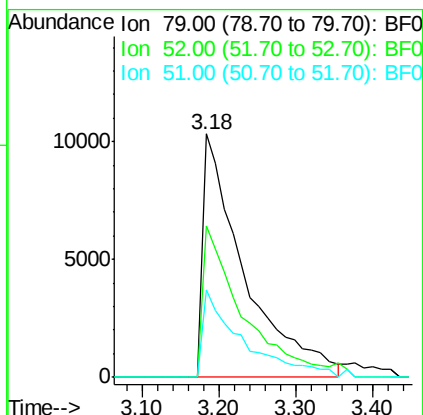
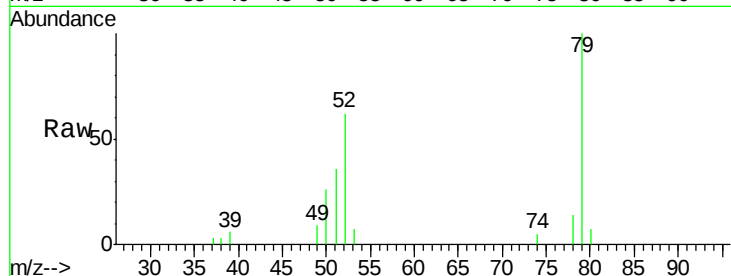




#3
 Pvridine
 Concen: 14.18 ng
 RT: 3.18 min Scan# 96
 Delta R.T. 0.08 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

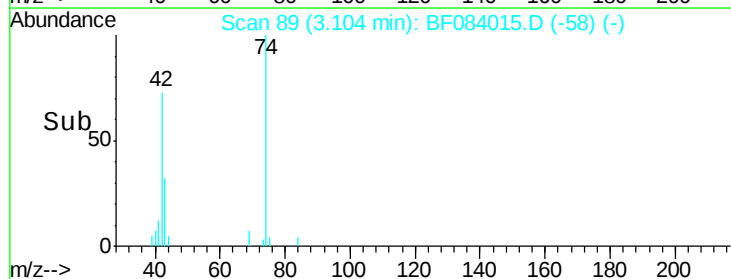
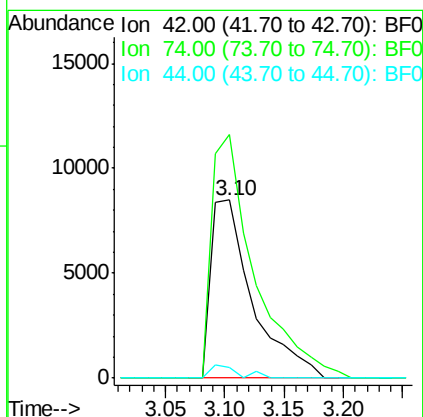
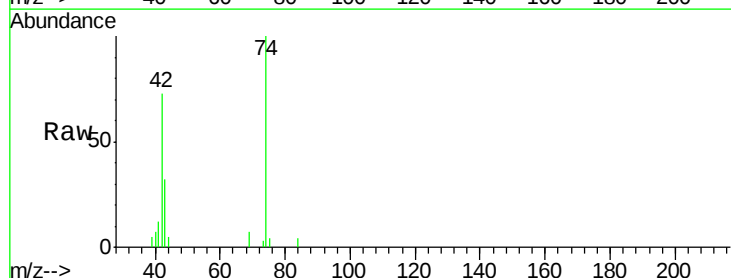
Instrument :
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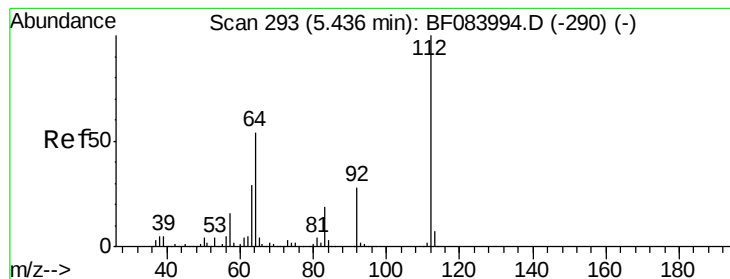
Tot Ion	Ratio	Lower	Upper
79	100		
52	62.0	49.0	73.4
51	36.0	25.2	37.8



#4
 n-Nitrosodimethylamine
 Concen: 20.34 ng
 RT: 3.10 min Scan# 89
 Delta R.T. 0.06 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion	Ratio	Lower	Upper
42	100		
74	136.8	115.7	173.5
44	6.2	5.1	7.7





#5

2-Fluorophenol

Concen: 66.11 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

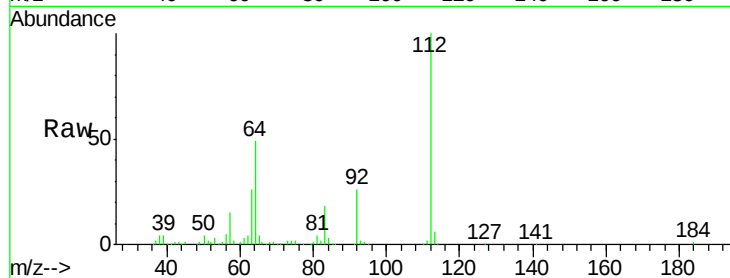
Tot Ion:112 Resp: 166322

Ion Ratio Lower Upper

112 100

64 48.9 36.6 55.0

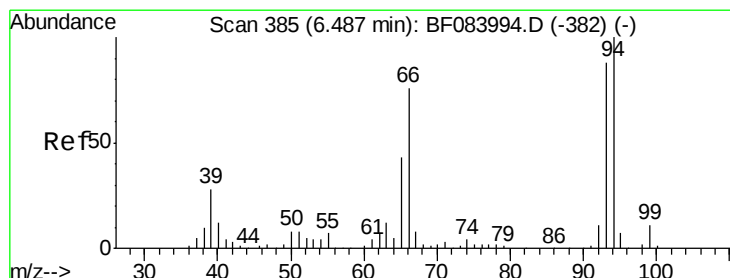
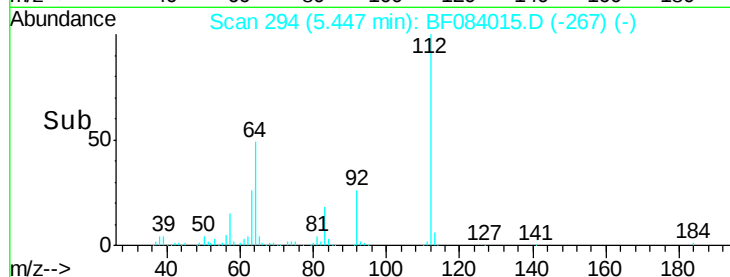
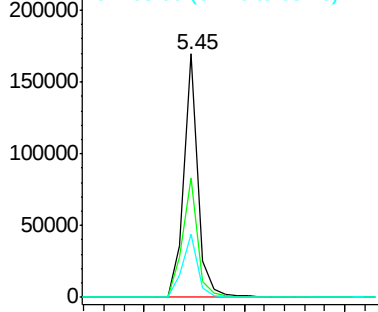
63 25.9 19.4 29.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 27.78 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

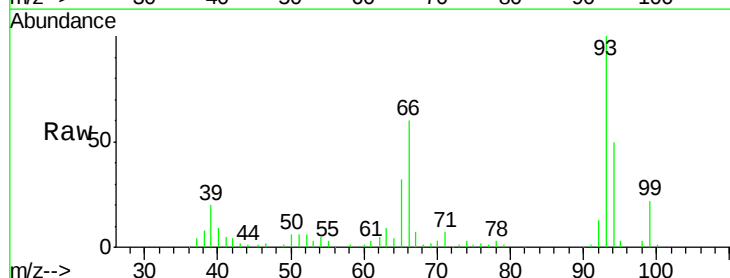
Tgt Ion: 93 Resp: 113738

Ion Ratio Lower Upper

93 100

66 60.2 44.9 67.3

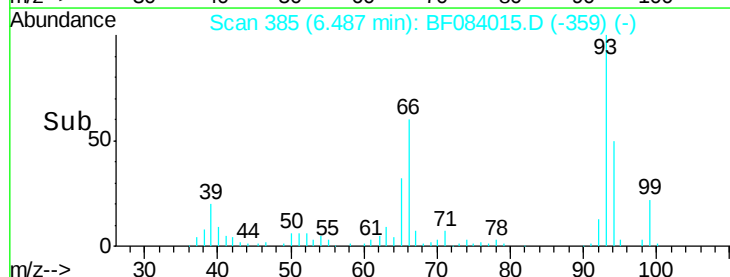
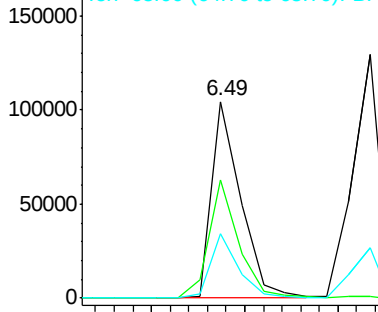
65 32.4 23.7 35.5

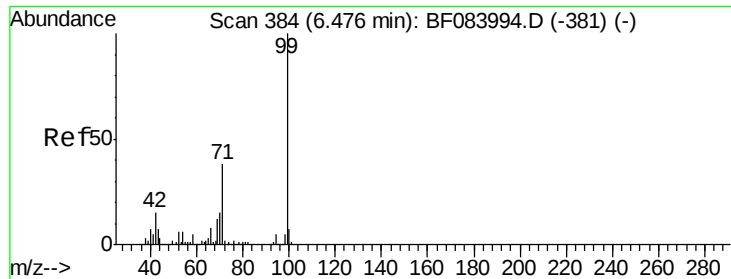


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 45.72 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084015.D

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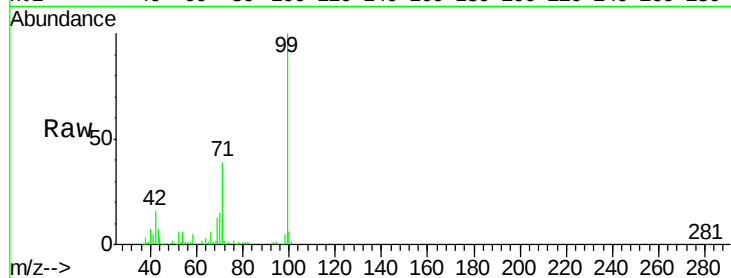
Tot Ion: 99 Resp: 135233

Ion Ratio Lower Upper

99 100

42 15.6 12.8 19.2

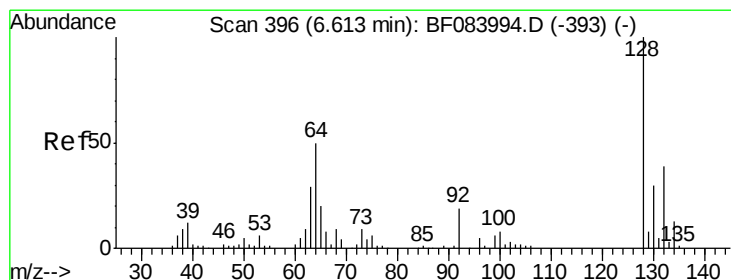
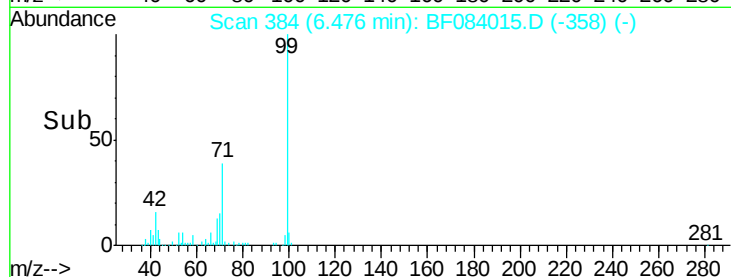
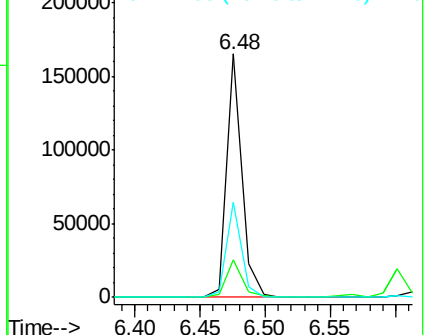
71 39.3 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.70 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

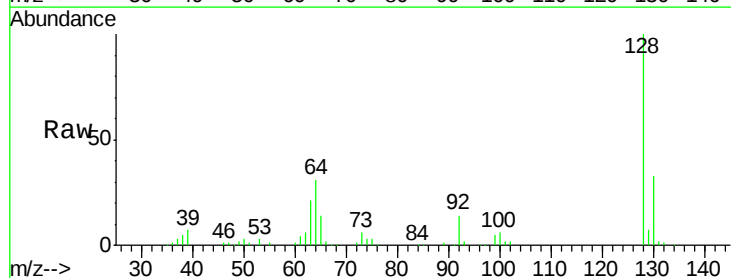
Tgt Ion: 128 Resp: 115003

Ion Ratio Lower Upper

128 100

130 33.3 11.6 51.6

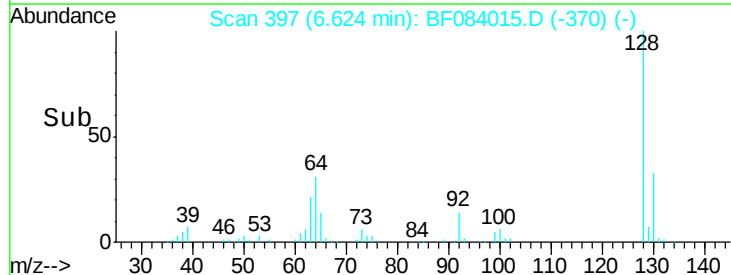
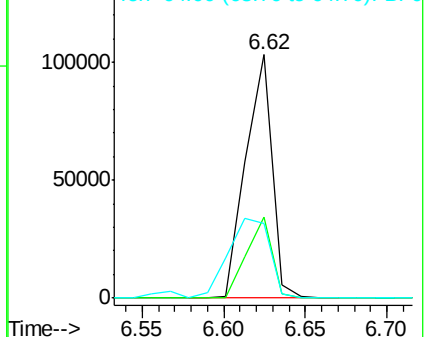
64 30.9 23.8 63.8

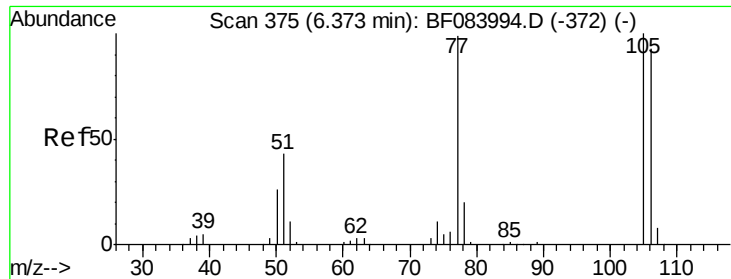


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 27.94 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

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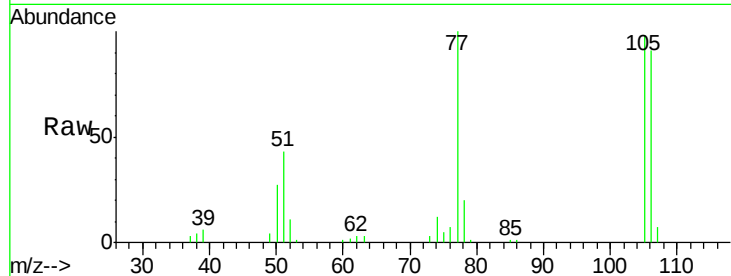
Tot Ion: 77 Resp: 55202

Ion Ratio Lower Upper

77 100

105 98.2 83.0 123.0

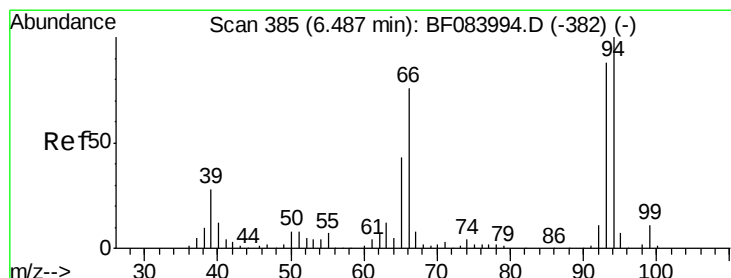
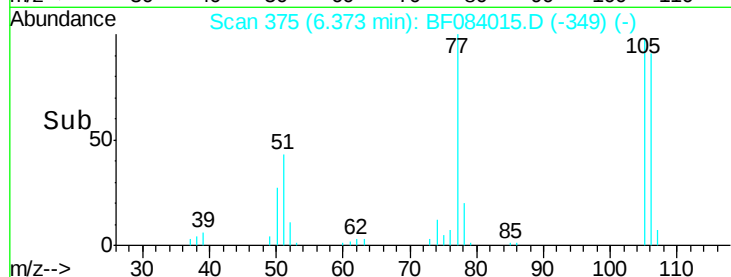
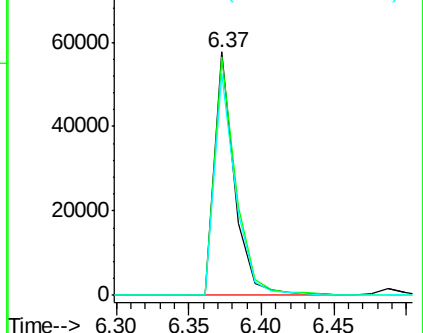
106 91.2 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 16.02 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

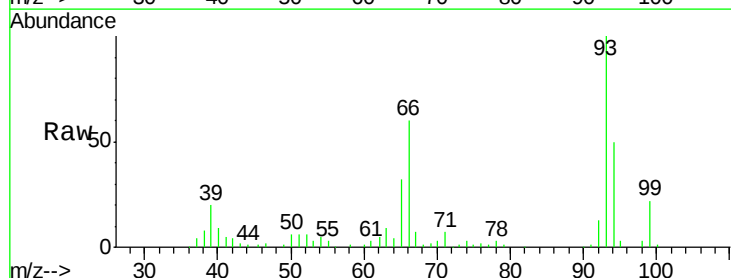
Tgt Ion: 94 Resp: 54811

Ion Ratio Lower Upper

94 100

65 65.1 12.9 52.9#

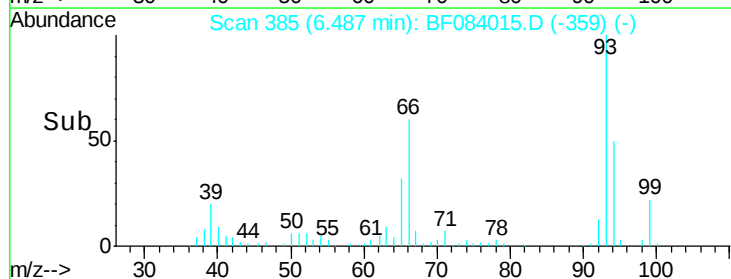
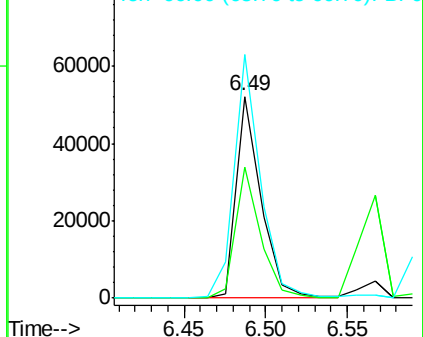
66 120.8 32.7 72.7#

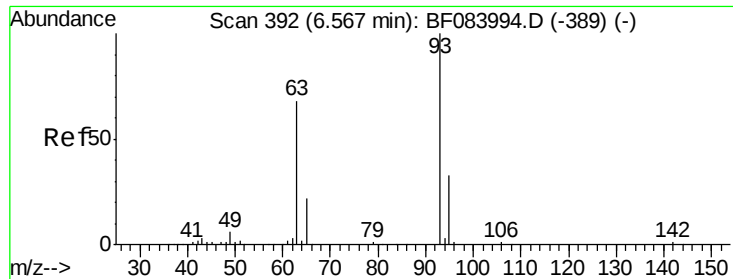


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

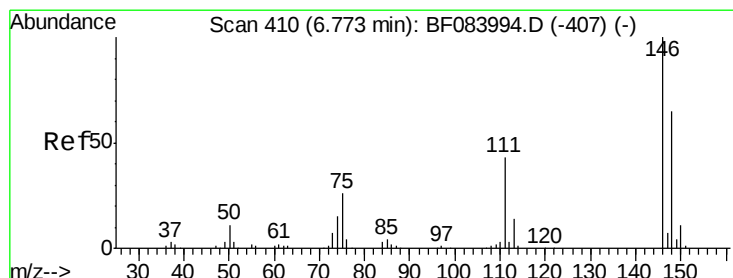
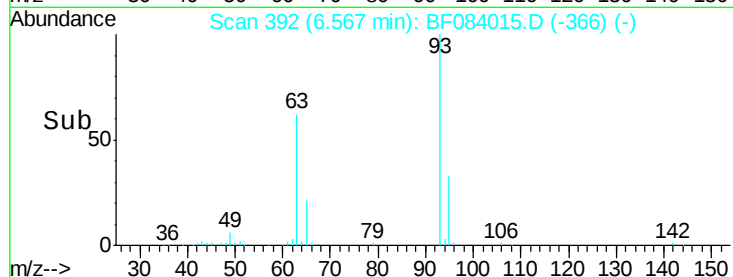
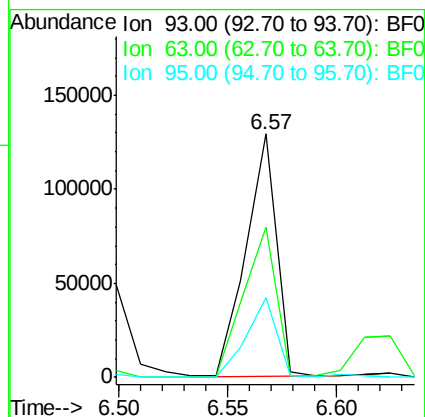
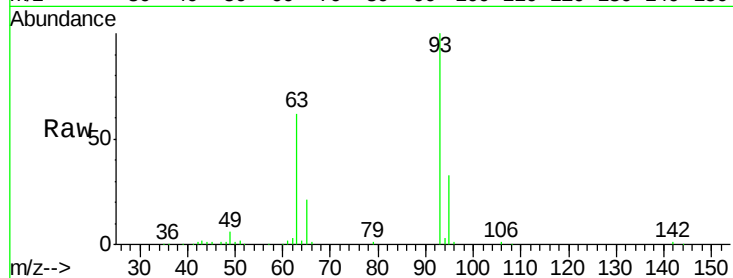




#11
bis(2-Chloroethyl)ether
Concen: 47.86 ng
RT: 6.57 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

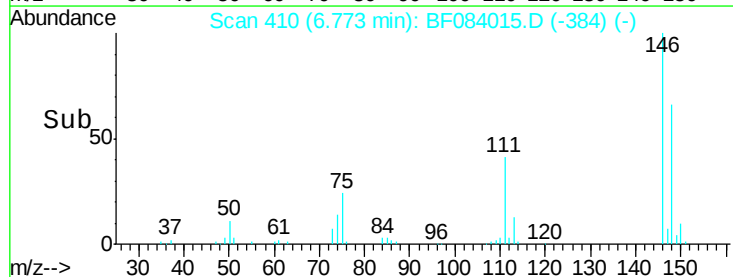
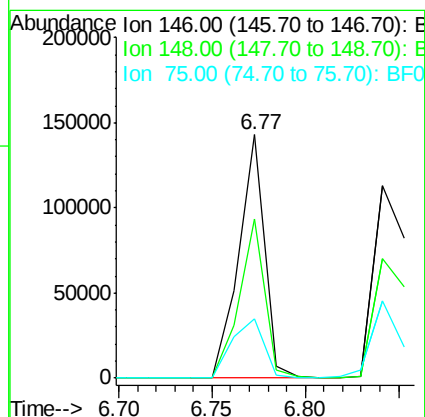
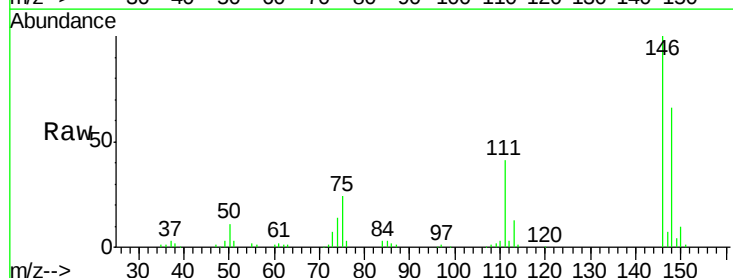
Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

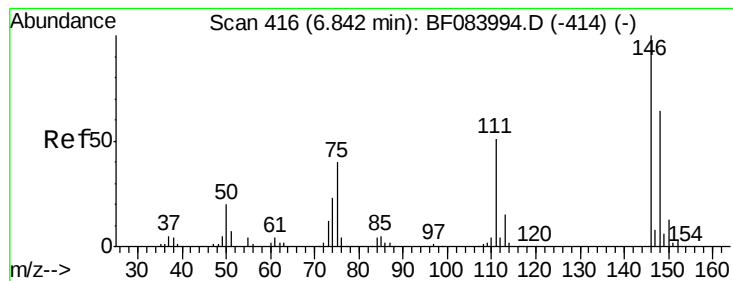
Tot Ion: 93 Resp: 125156
Ion Ratio Lower Upper
93 100
63 61.9 45.9 85.9
95 32.8 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 43.23 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion: 146 Resp: 139151
Ion Ratio Lower Upper
146 100
148 65.6 51.9 77.9
75 24.2 20.5 30.7





#13

1,4-Dichlorobenzene

Concen: 43.89 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

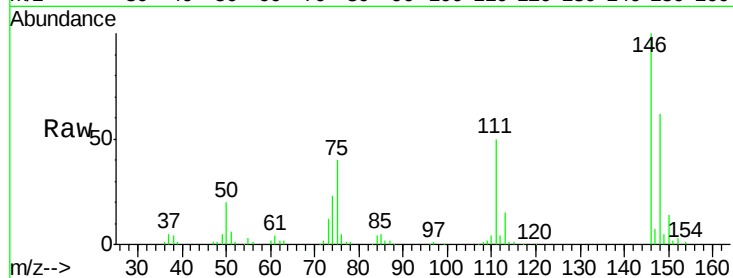
Tot Ion:146 Resp: 137938

Ion Ratio Lower Upper

146 100

148 62.2 51.9 77.9

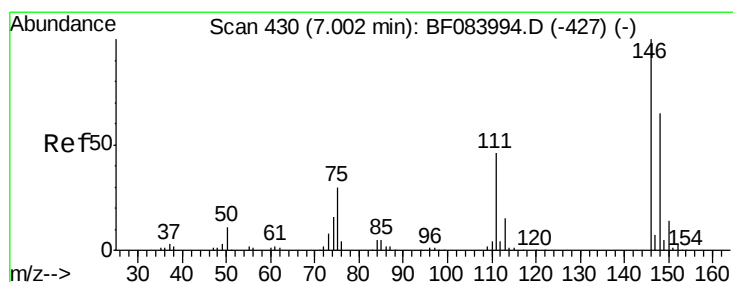
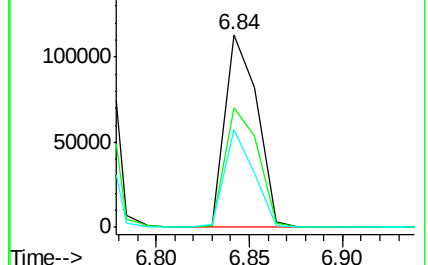
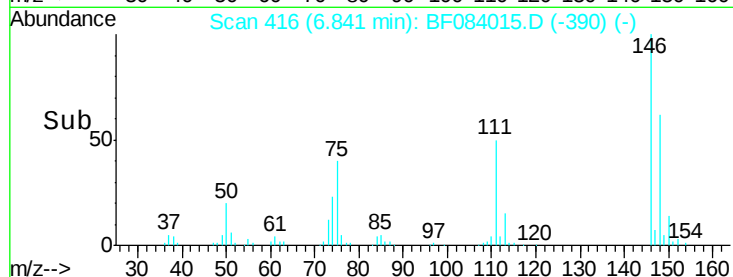
111 50.4 41.6 62.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 46.54 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

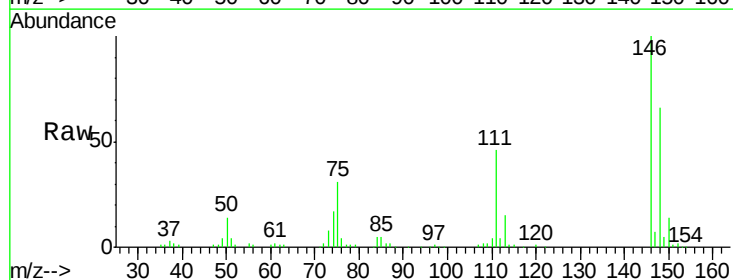
Tgt Ion:146 Resp: 139820

Ion Ratio Lower Upper

146 100

148 65.8 51.6 77.4

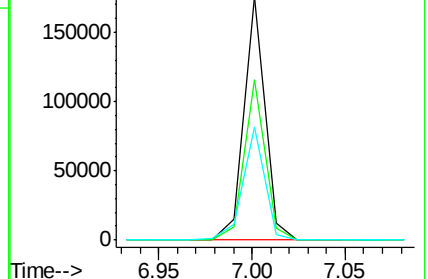
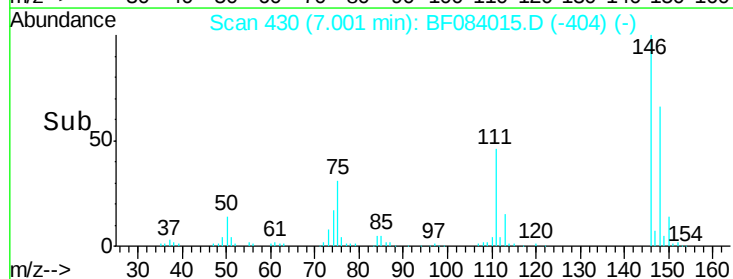
111 46.3 38.0 57.0

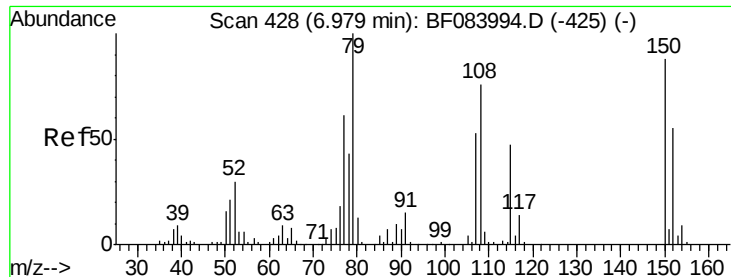


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

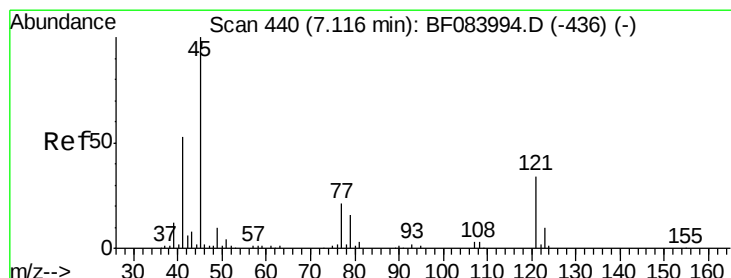
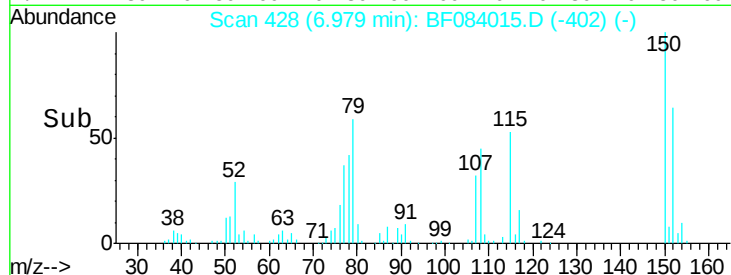
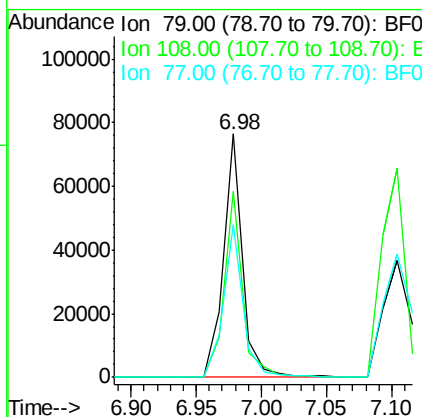
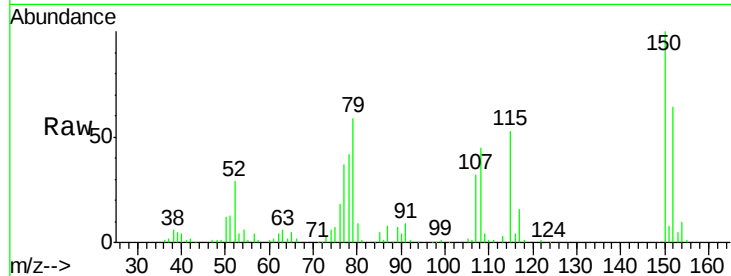




#15
Benzyl Alcohol
Concen: 33.51 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

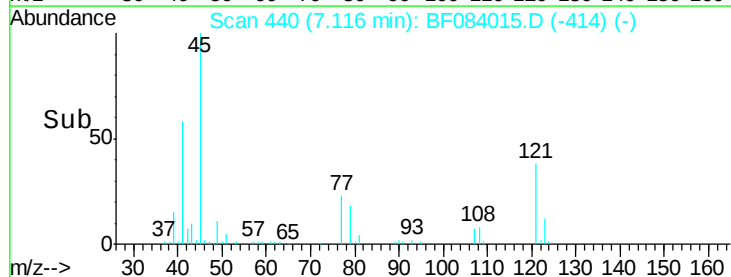
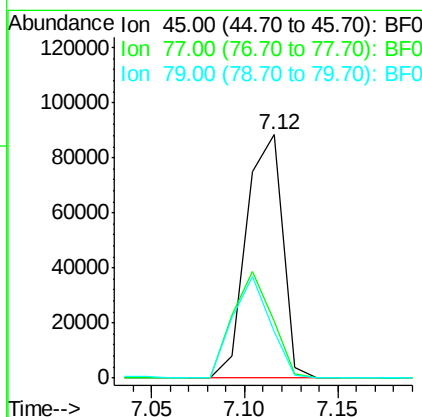
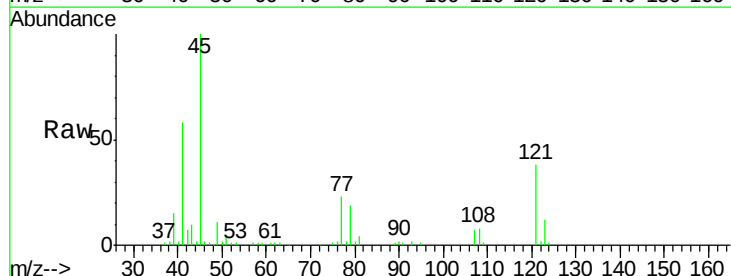
Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

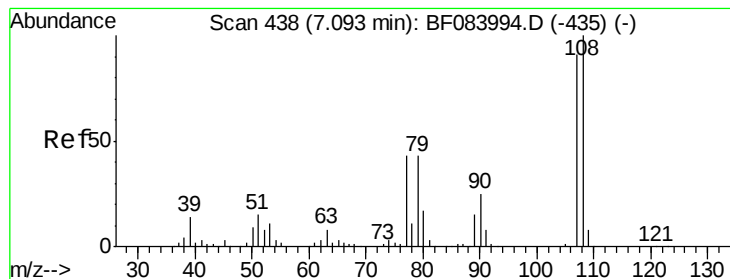
Tot Ion: 79 Resp: 78054
Ion Ratio Lower Upper
79 100
108 76.5 69.0 103.4
77 62.6 50.0 75.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 47.53 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion: 45 Resp: 119997
Ion Ratio Lower Upper
45 100
77 23.1 0.0 39.6
79 18.9 0.0 35.0





#17

2-Methylphenol

Concen: 31.84 ng

RT: 7.10 min Scan# 439

Delta R.T. 0.01 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

Tot Ion:107 Resp: 73466

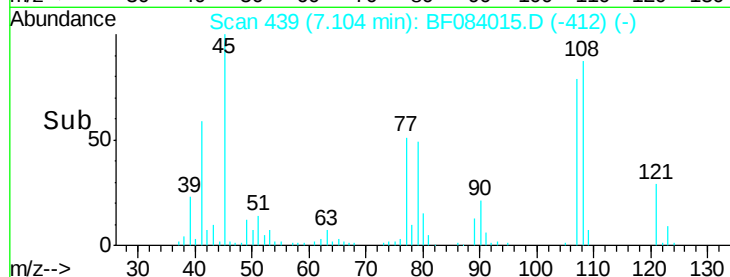
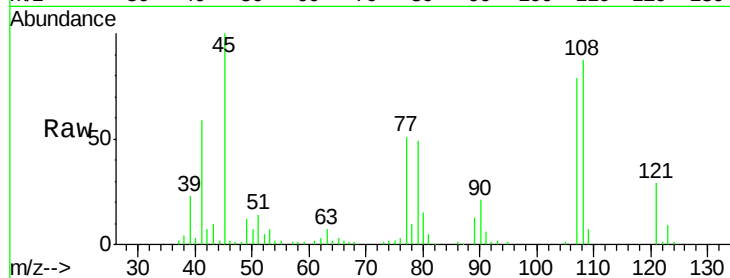
Ion Ratio Lower Upper

107 100

108 110.3 89.8 134.6

77 64.9 35.7 53.5#

79 61.7 35.7 53.5#



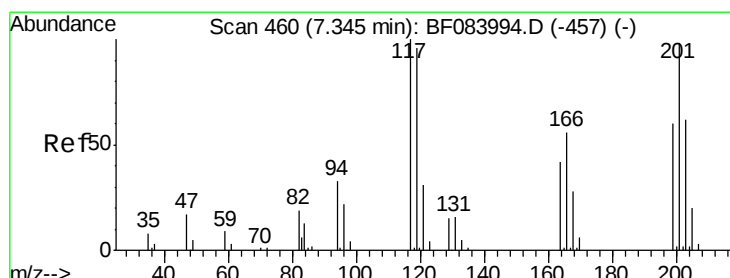
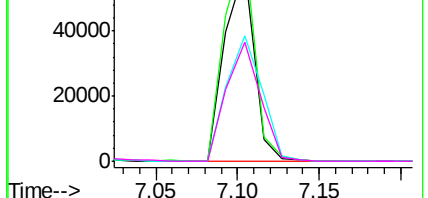
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

Time-->



#18

Hexachloroethane

Concen: 43.82 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

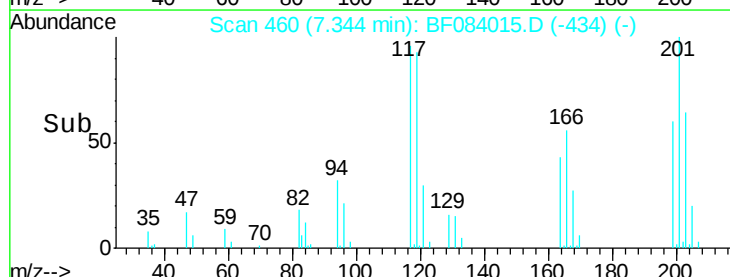
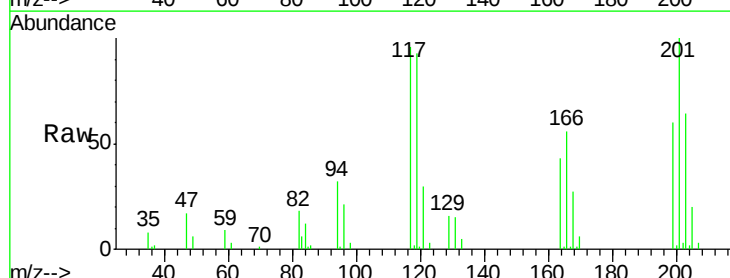
Tgt Ion:117 Resp: 50506

Ion Ratio Lower Upper

117 100

119 97.2 77.4 116.0

201 104.1 68.6 103.0#

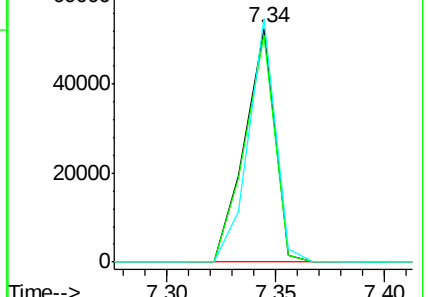


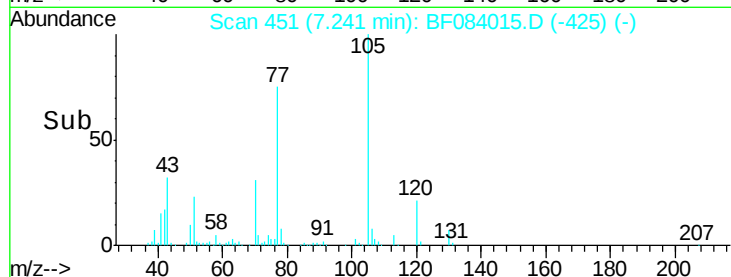
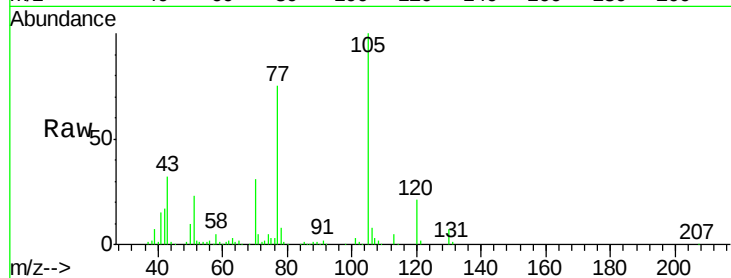
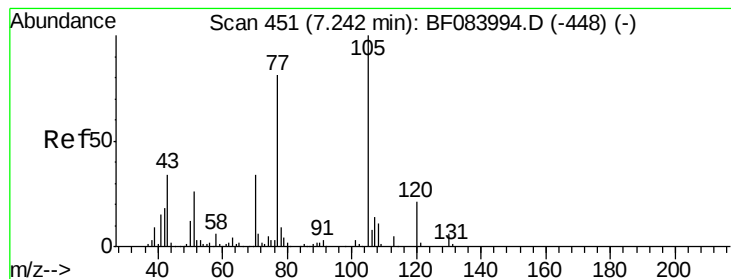
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 53.41 ng

RT: 7.24 min Scan# 451

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

Tot Ion: 70 Resp: 95737

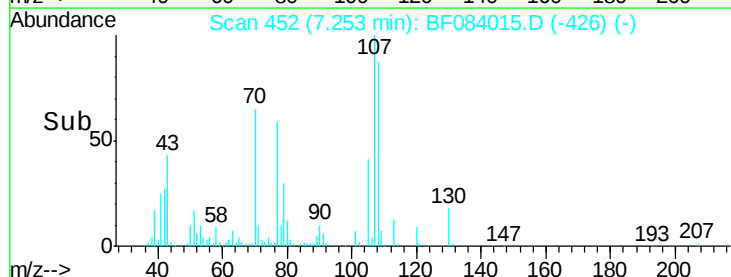
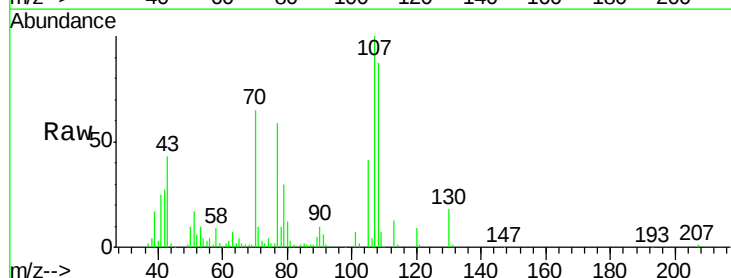
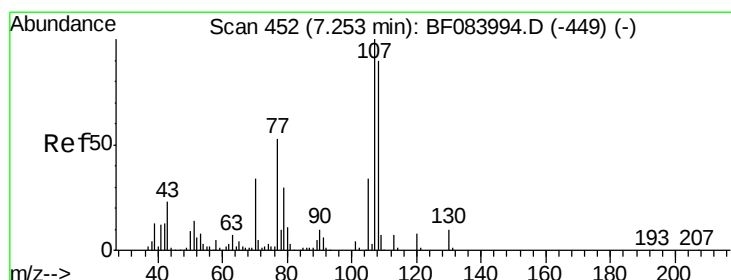
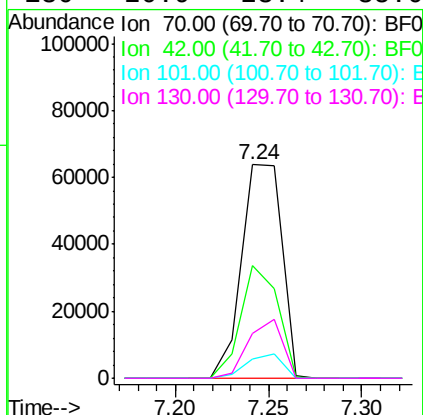
Ion Ratio Lower Upper

70 100

42 52.8 33.3 49.9#

101 9.3 9.3 13.9

130 20.9 23.4 35.0#



#20

3+4-Methylphenols

Concen: 31.37 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Tgt Ion: 107 Resp: 89347

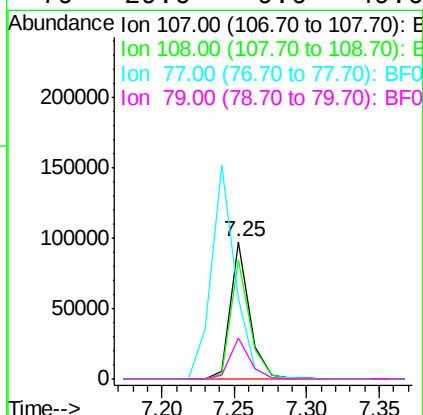
Ion Ratio Lower Upper

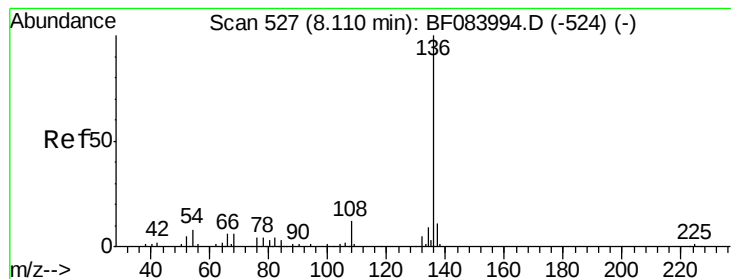
107 100

108 86.8 64.1 104.1

77 58.6 128.9 168.9#

79 29.6 9.6 49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

Tot Ion:136 Resp: 167254

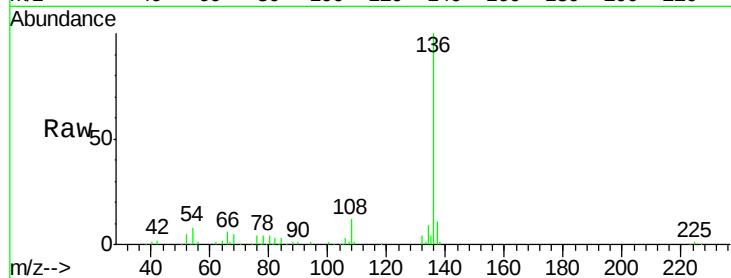
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.5 5.8 8.8

68 5.3 4.2 6.2

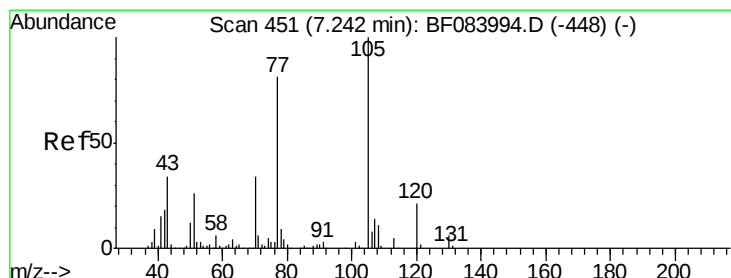
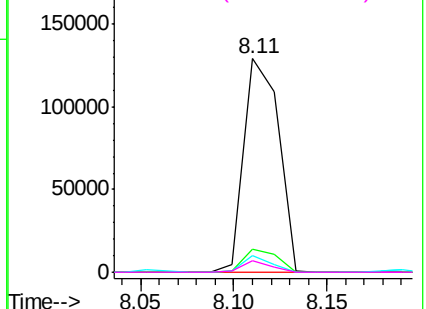
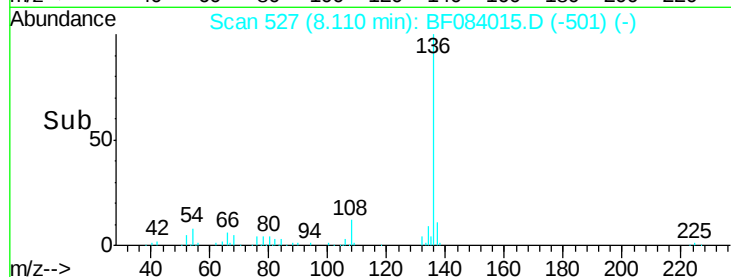


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 49.70 ng

RT: 7.24 min Scan# 451

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Tgt Ion:105 Resp: 195029

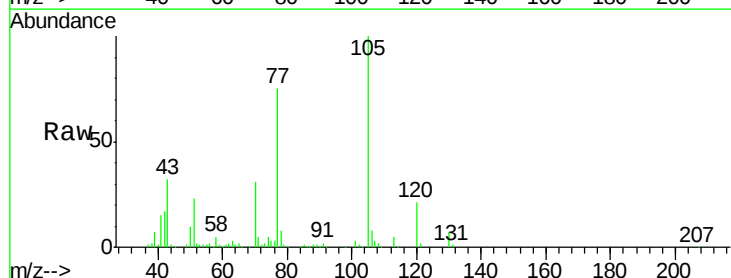
Ion Ratio Lower Upper

105 100

71 5.1 3.7 5.5

51 22.9 25.1 37.7#

120 21.4 16.6 25.0

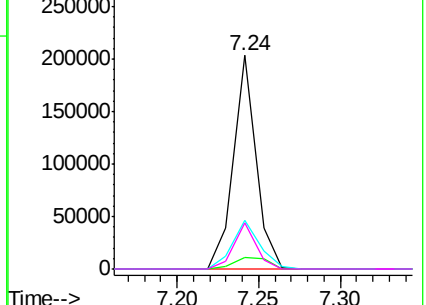
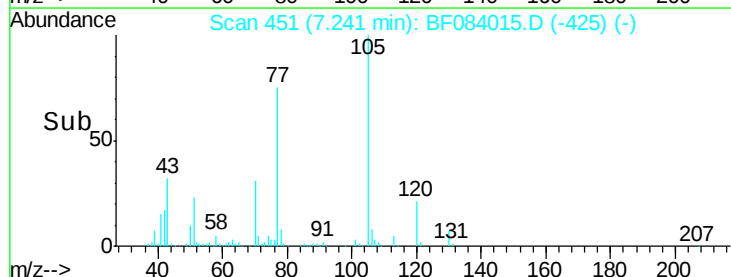


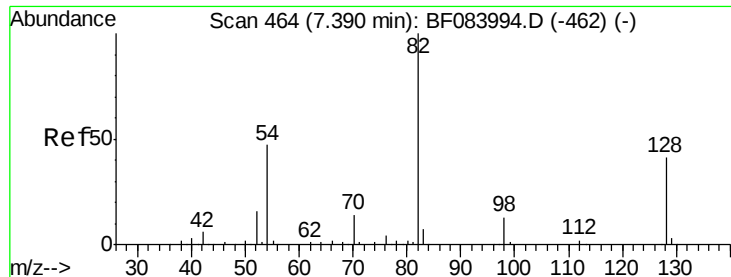
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

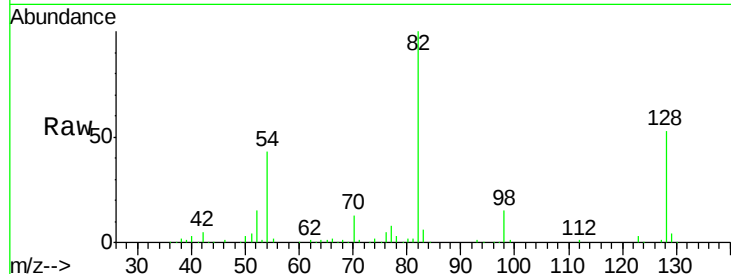




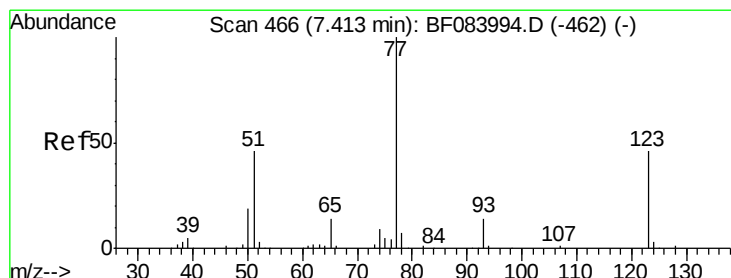
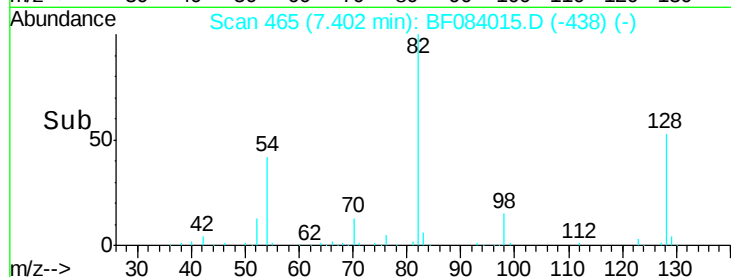
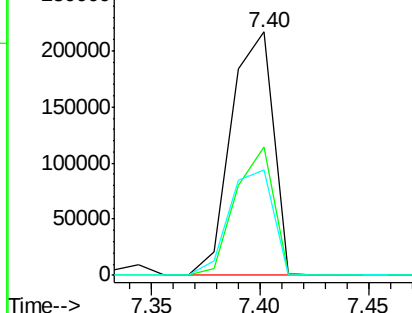
#23
 Nitrobenzene-d5
 Concen: 106.72 ng
 RT: 7.40 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

Tot Ion	82	Resp	290559
Ion Ratio	100		
Lower	34.6		
Upper	51.8		
54	43.1		57.6

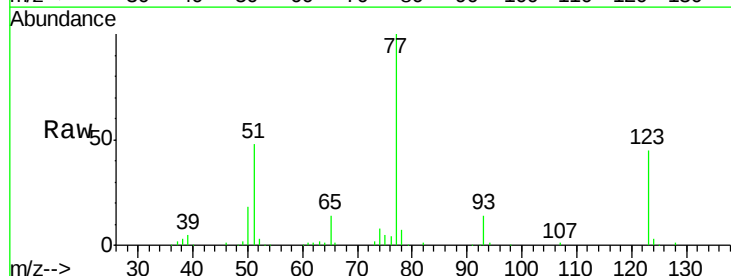


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

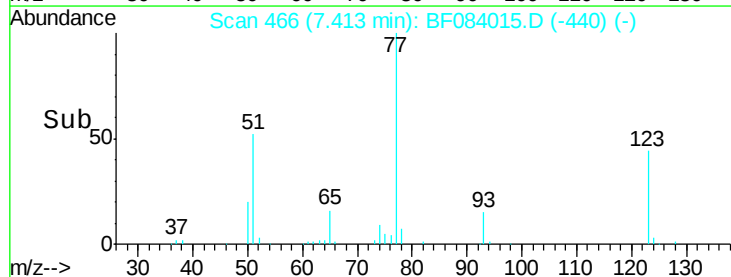
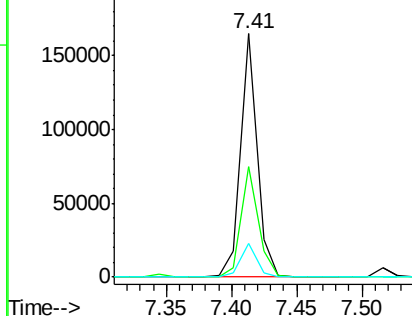


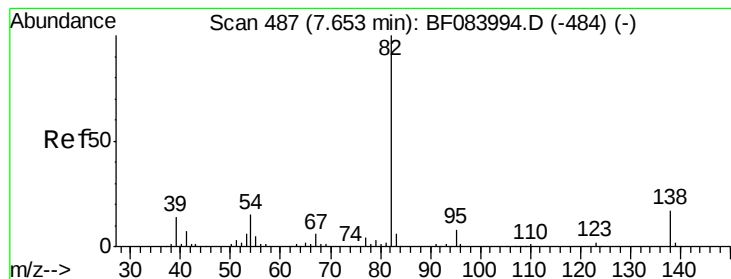
#24
 Nitrobenzene
 Concen: 51.58 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion	77	Resp	144724
Ion Ratio	100		
Lower	37.4		
Upper	56.2		
123	45.1		16.3
65	13.9		10.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 49.18 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

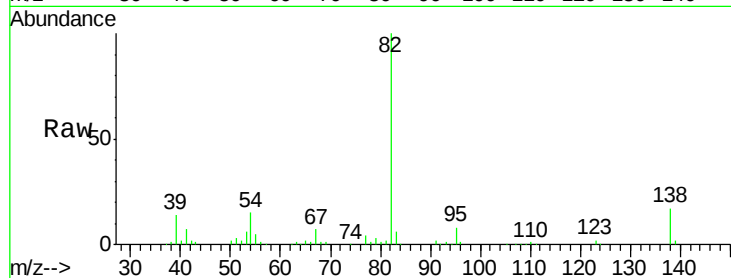
Tot Ion: 82 Resp: 253736

Ion Ratio Lower Upper

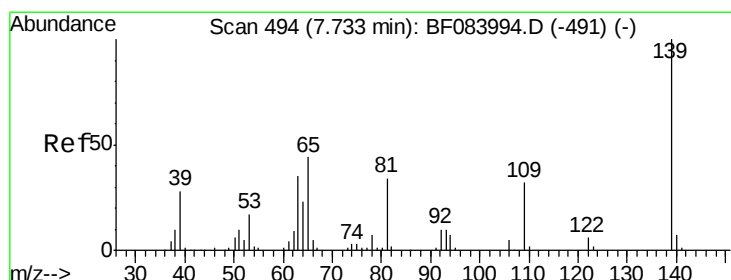
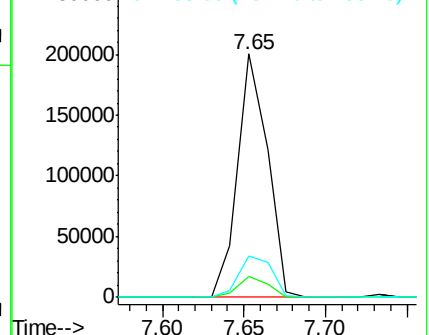
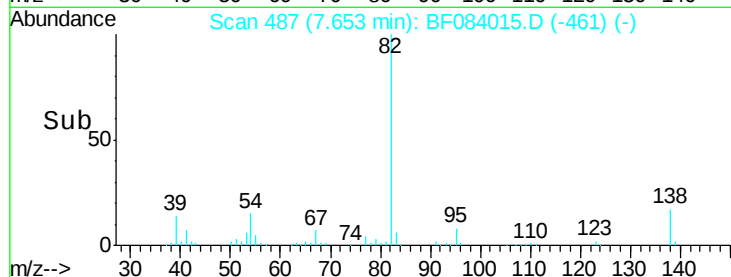
82 100

95 8.4 6.6 10.0

138 17.2 13.6 20.4



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 50.60 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

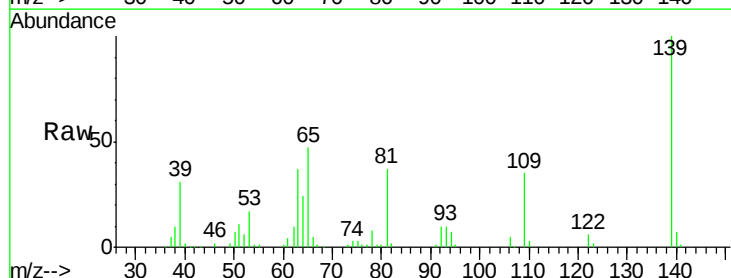
Tgt Ion: 139 Resp: 76417

Ion Ratio Lower Upper

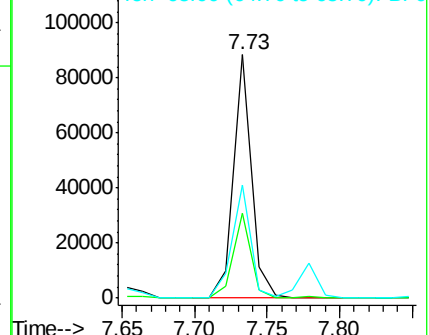
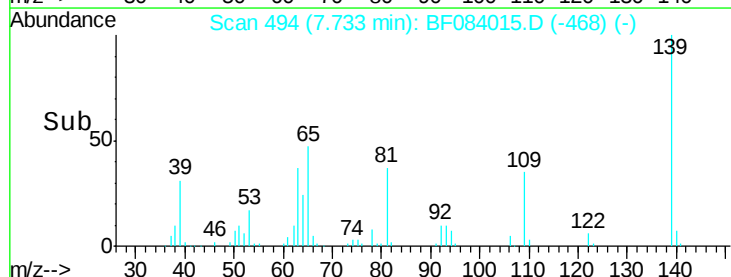
139 100

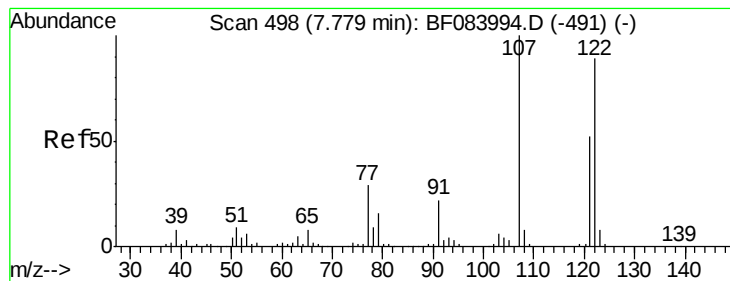
109 35.1 25.4 38.2

65 46.6 32.3 48.5



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 43.27 ng

RT: 7.78 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

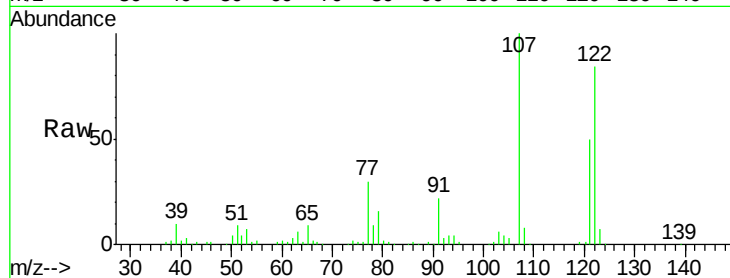
Tot Ion:122 Resp: 113896

Ion Ratio Lower Upper

122 100

107 119.3 99.1 148.7

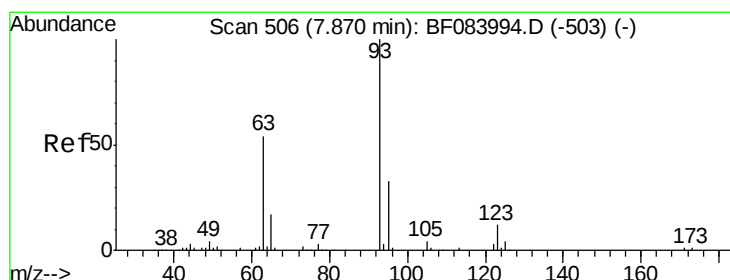
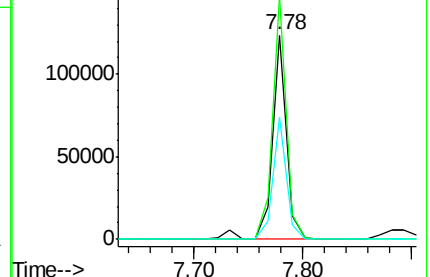
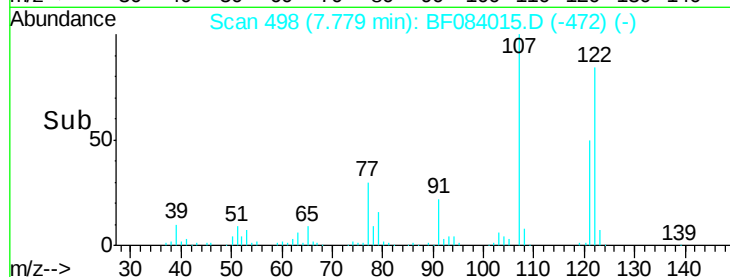
121 59.8 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 51.59 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

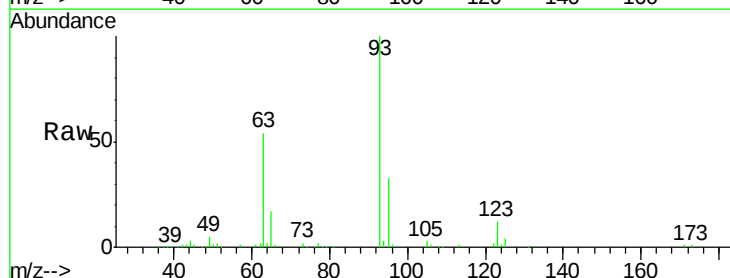
Tgt Ion: 93 Resp: 164854

Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

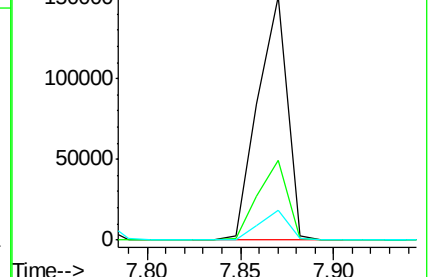
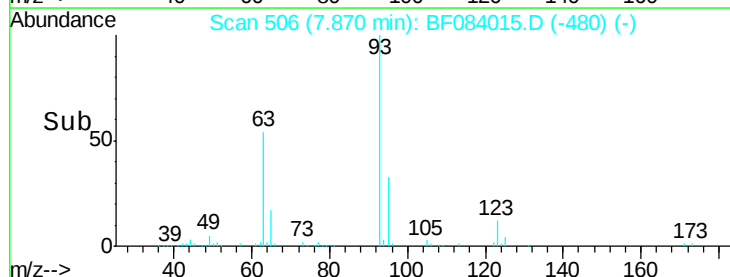
123 12.2 8.6 12.8

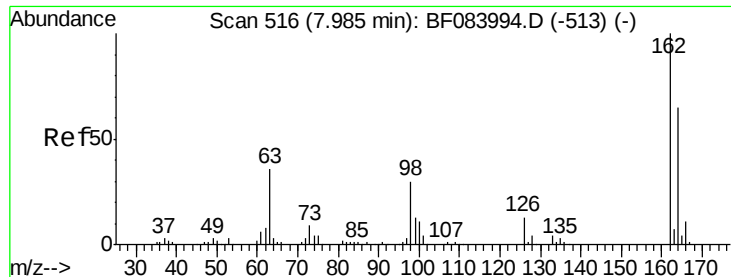


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

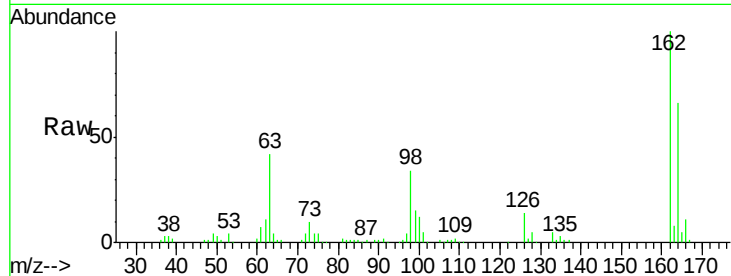




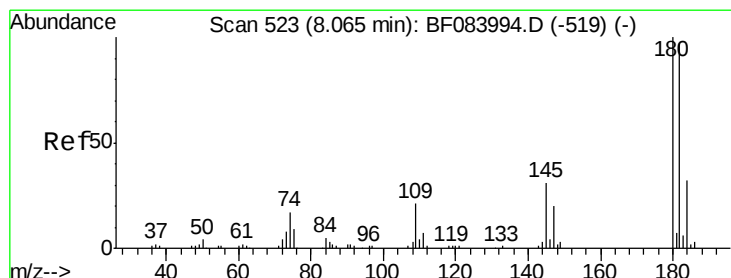
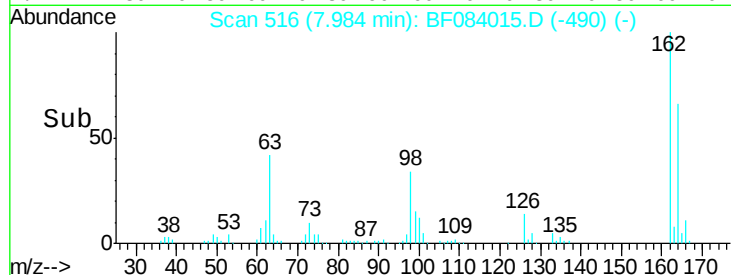
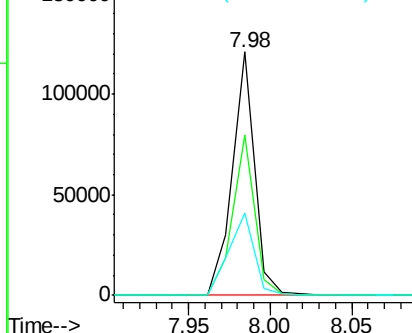
#29
 2,4-Dichlorophenol
 Concen: 48.09 ng
 RT: 7.98 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

Tot Ion:162 Resp: 113088
 Ion Ratio Lower Upper
 162 100
 164 65.8 44.1 84.1
 98 33.6 20.2 60.2

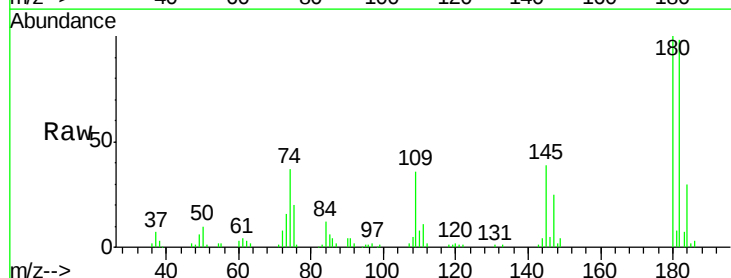


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BFO

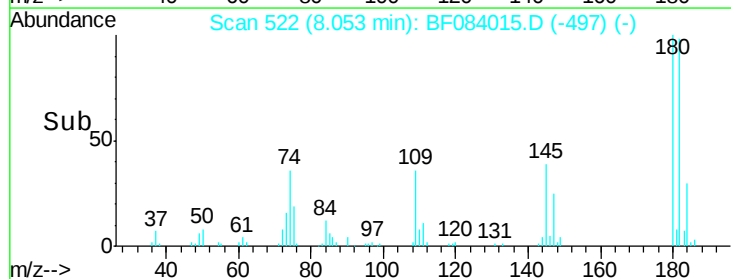
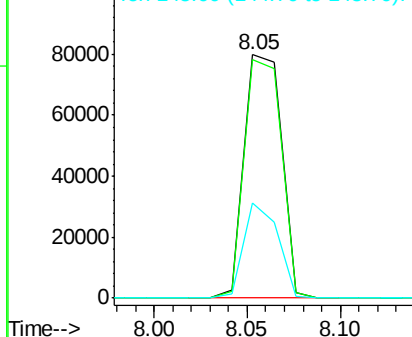


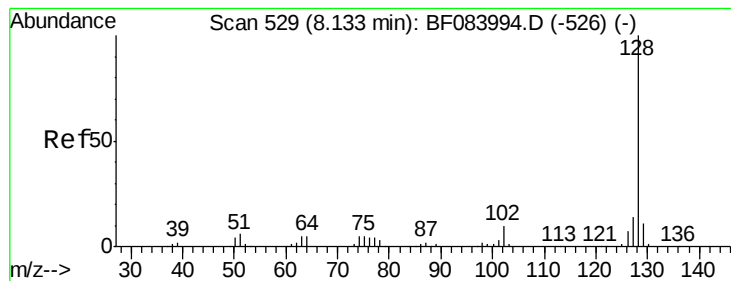
#30
 1,2,4-Trichlorobenzene
 Concen: 45.18 ng
 RT: 8.05 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion:180 Resp: 110819
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.4 114.6
 145 39.3 31.6 47.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.94 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

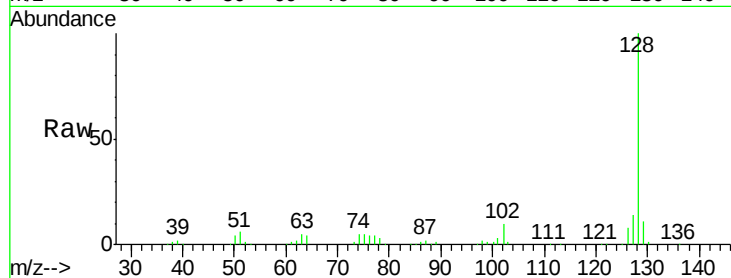
Tot Ion:128 Resp: 392487

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

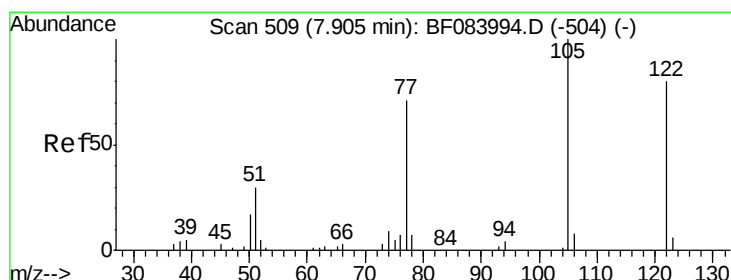
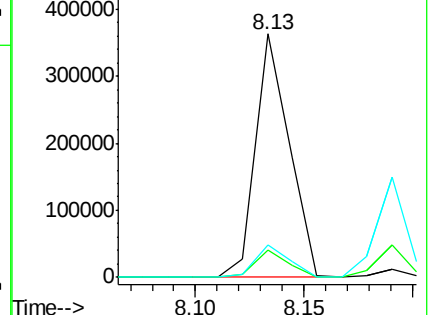
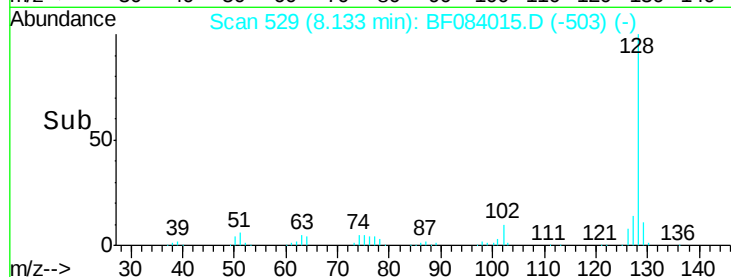
127 13.5 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 16.61 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.02 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

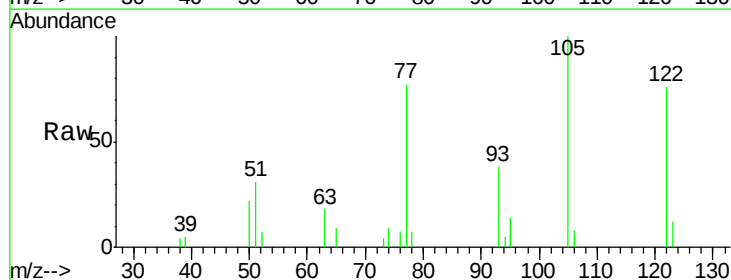
Tgt Ion:122 Resp: 15461

Ion Ratio Lower Upper

122 100

105 131.1 100.3 140.3

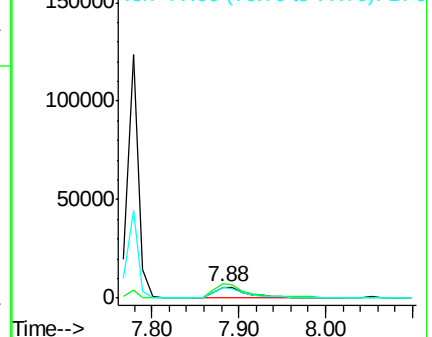
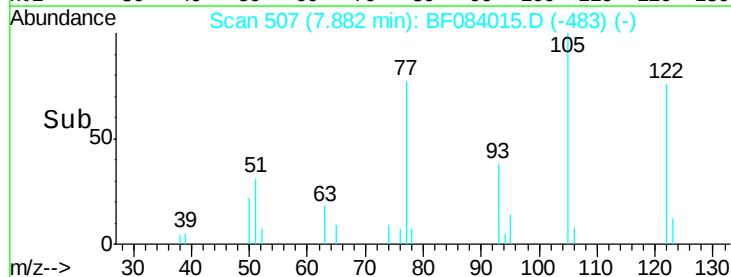
77 101.0 63.5 103.5

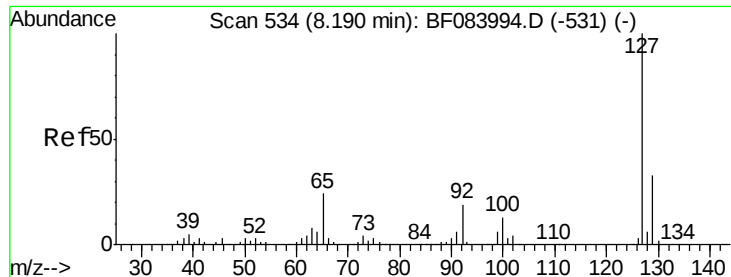


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

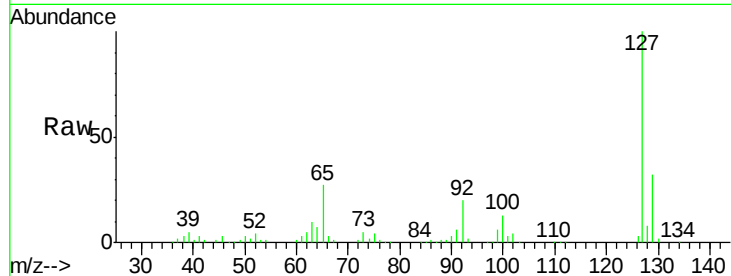




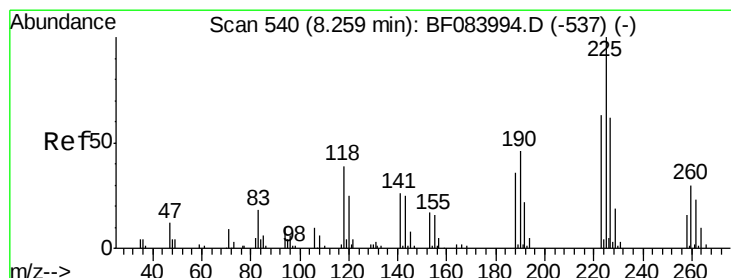
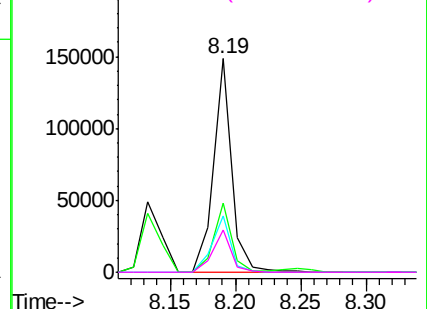
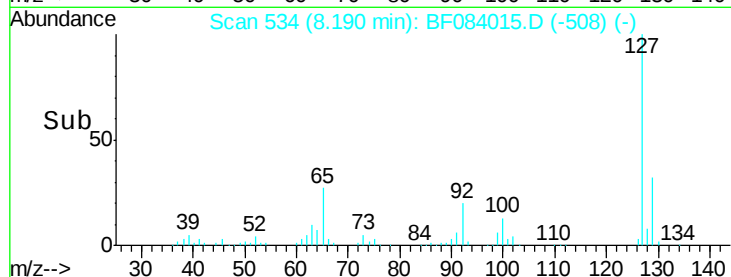
#33
4-Chloroaniline
Concen: 41.45 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

Tot Ion:	127	Resp:	144833
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.5	39.7
65	26.6	27.2	40.8#
92	19.5	17.7	26.5

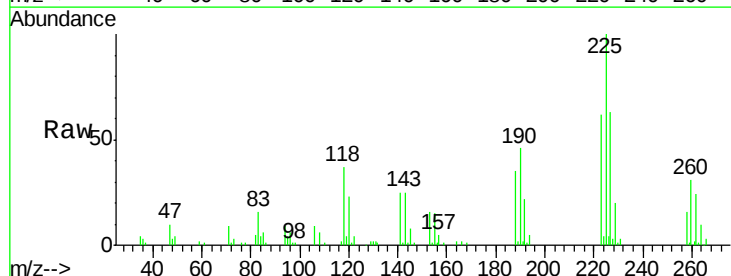


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

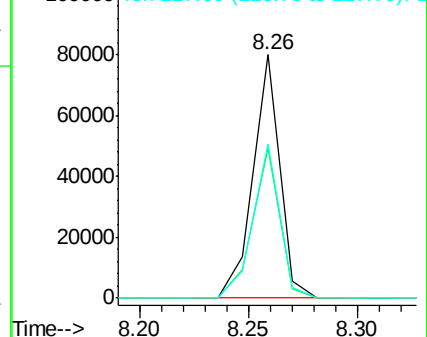
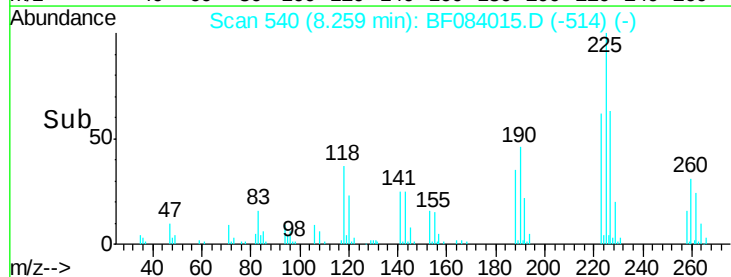


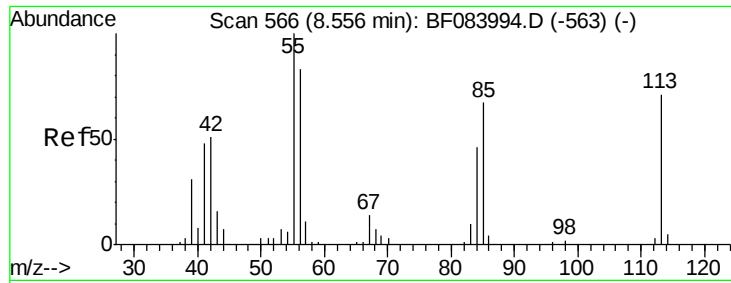
#34
Hexachlorobutadiene
Concen: 46.45 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion:	225	Resp:	68102
Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.4	74.0
227	63.2	50.8	76.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

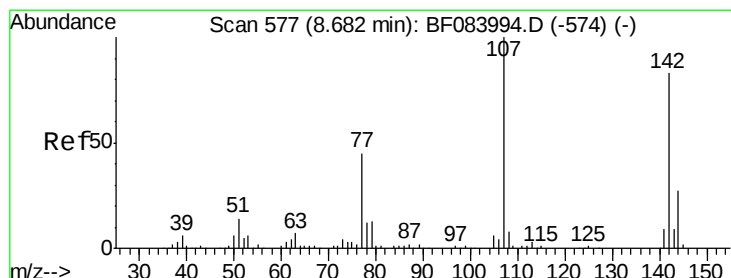
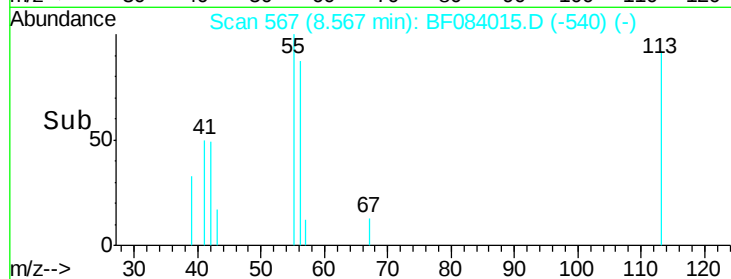
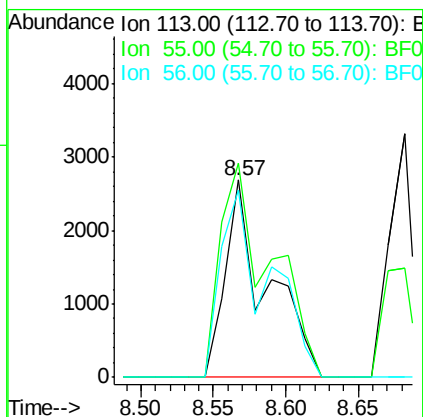
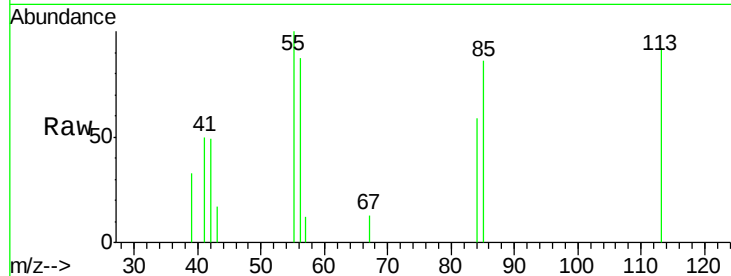




#35
Caprolactam
Concen: 7.53 ng
RT: 8.57 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

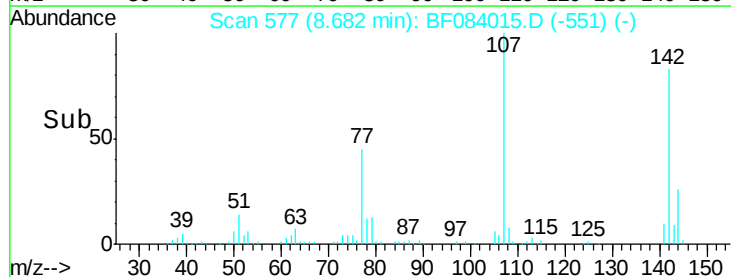
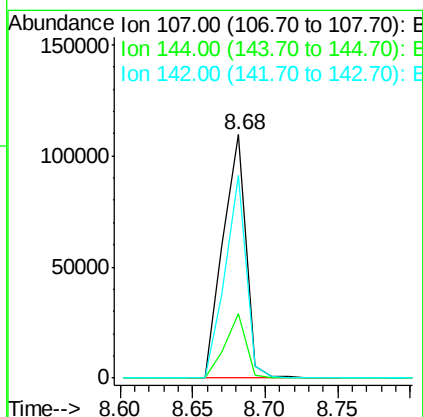
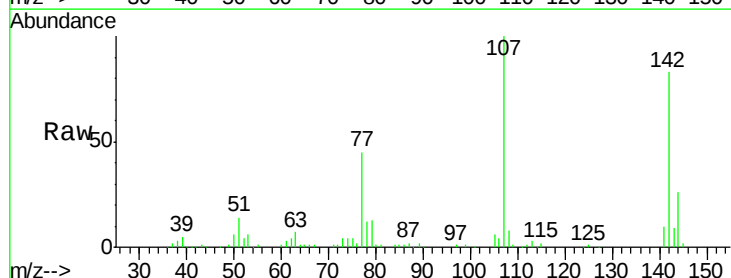
Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

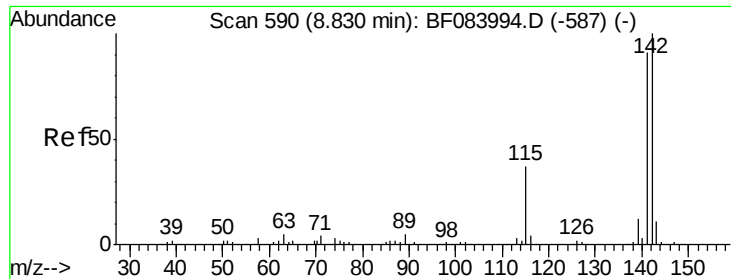
Tot Ion:113 Resp: 5320
Ion Ratio Lower Upper
113 100
55 108.8 116.9 156.9#
56 95.0 93.8 133.8



#36
4-Chloro-3-methylphenol
Concen: 48.03 ng
RT: 8.68 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion:107 Resp: 120797
Ion Ratio Lower Upper
107 100
144 26.4 19.7 29.5
142 83.5 61.8 92.6

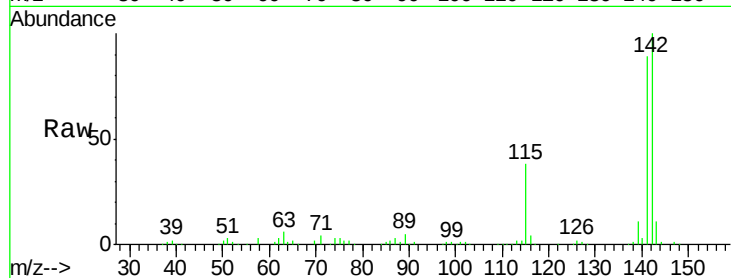




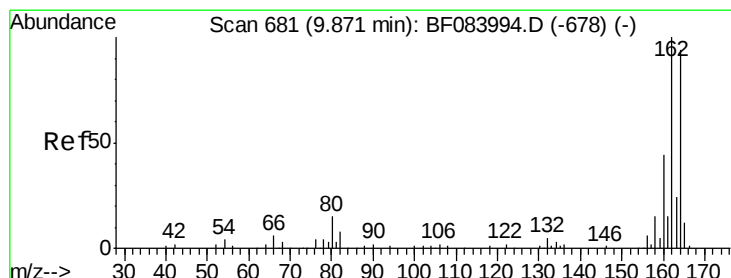
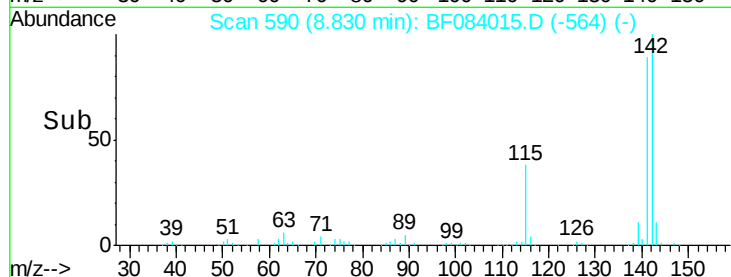
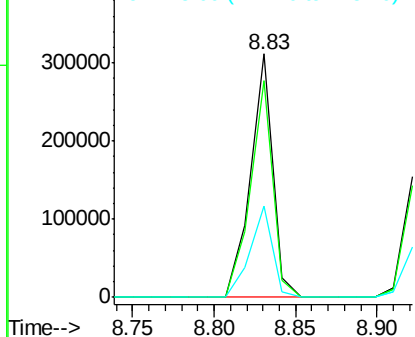
#37
2-Methylnaphthalene
Concen: 53.30 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.4	108.6
115	37.5	27.9	41.9

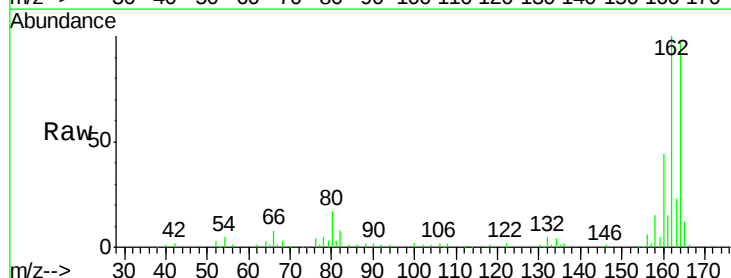


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

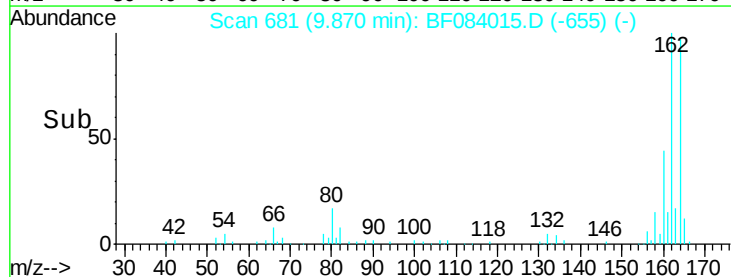
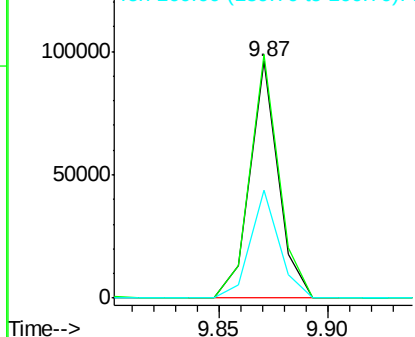


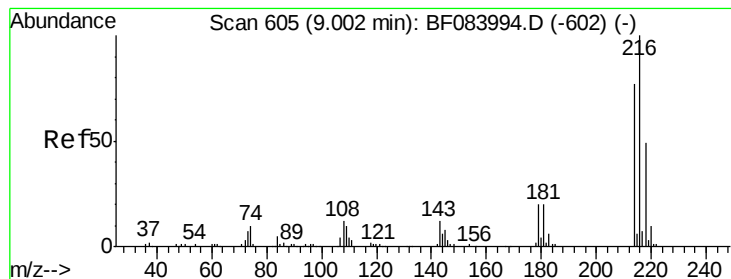
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	85.1	127.7
160	45.4	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 48.62 ng

RT: 9.00 min Scan# 605

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

Tot Ion:216 Resp: 127099

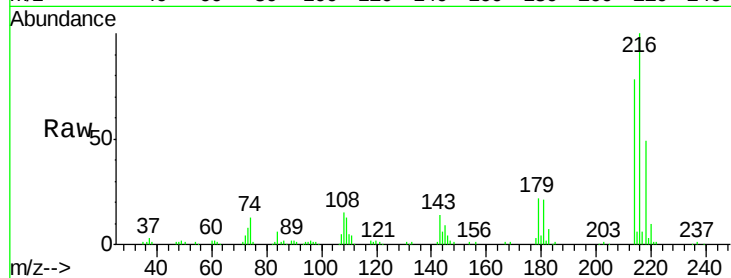
Ion Ratio Lower Upper

216 100

214 78.8 64.2 96.2

179 23.1 18.7 28.1

108 20.3 16.8 25.2

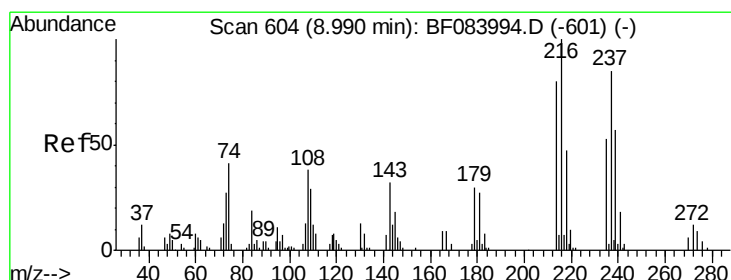
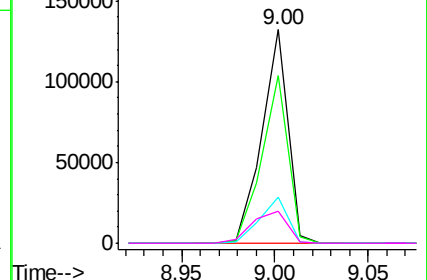
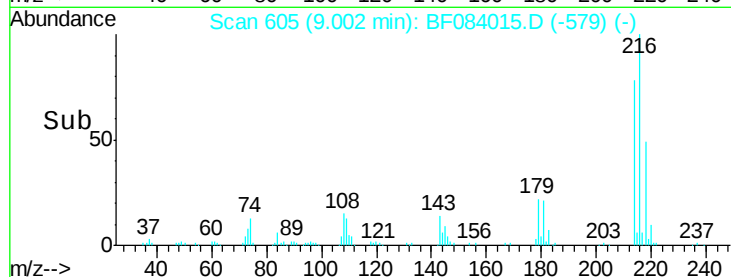


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 80.99 ng

RT: 8.99 min Scan# 604

Delta R.T. 0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

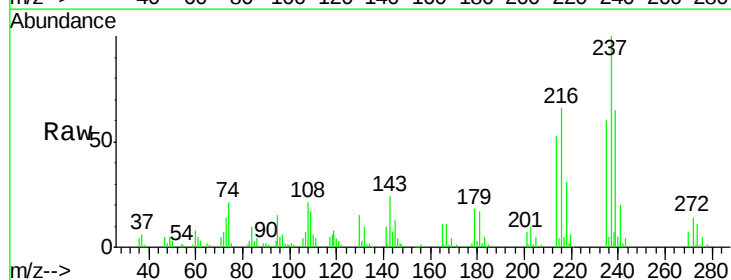
Tgt Ion:237 Resp: 67086

Ion Ratio Lower Upper

237 100

235 60.1 43.1 83.1

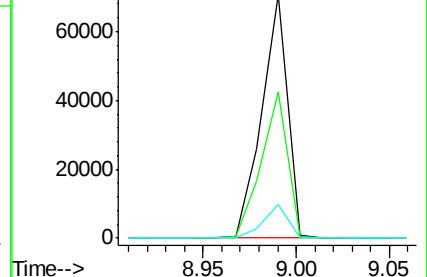
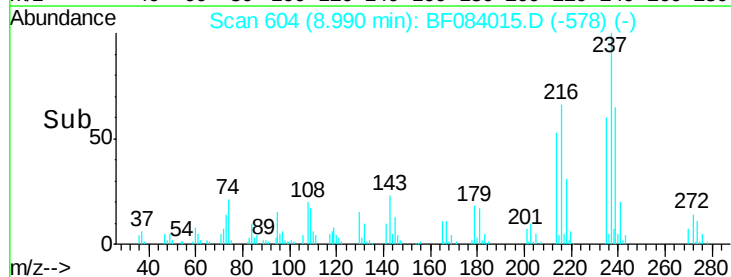
272 13.6 0.0 35.1

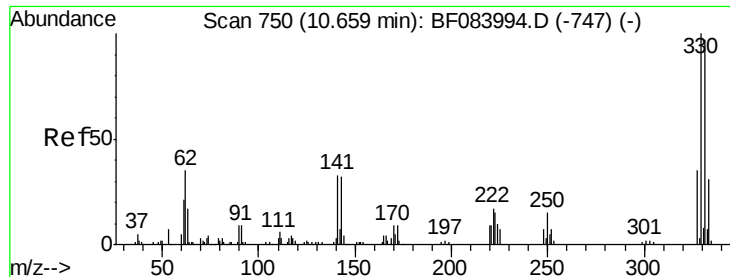


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

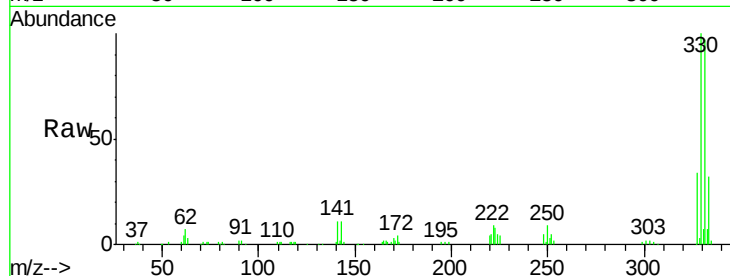




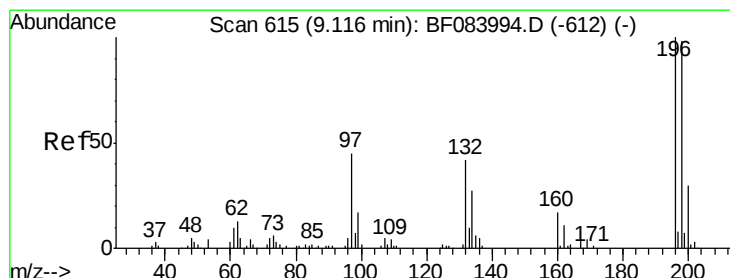
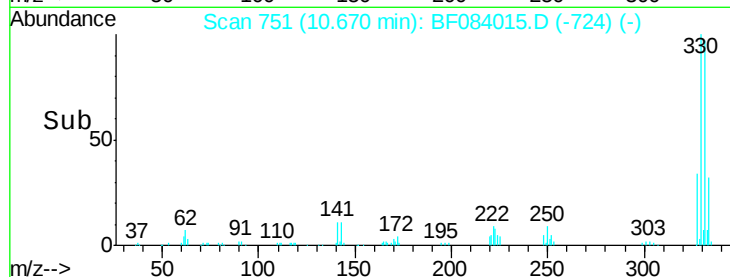
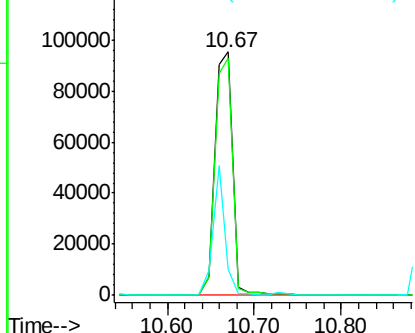
#41
 2,4,6-Tribromophenol
 Concen: 164.90 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

Tot Ion:330 Resp: 137918
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 36.2 27.8 41.6

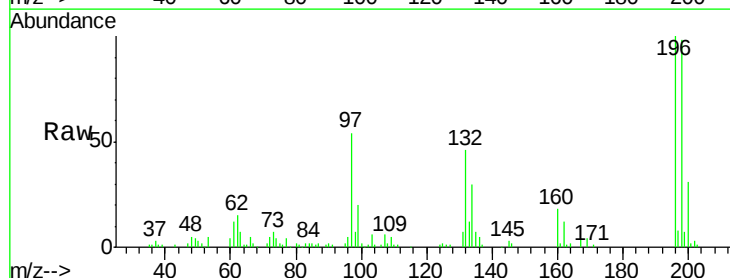


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

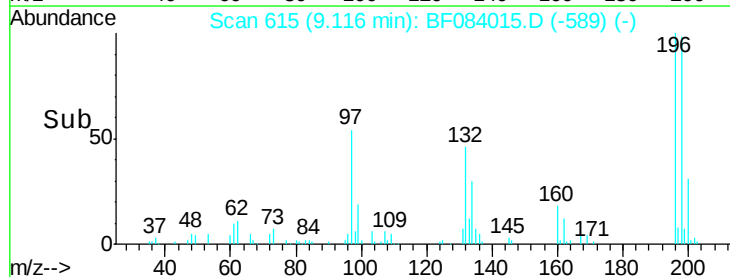
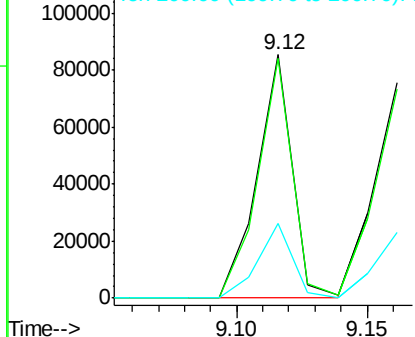


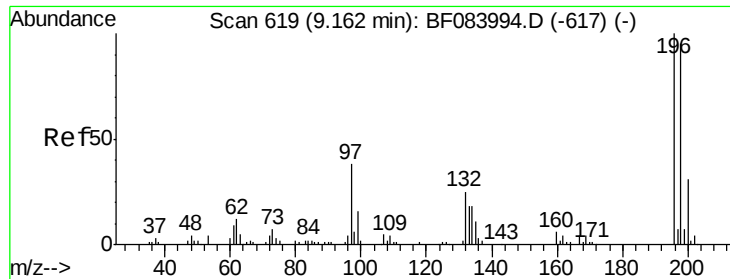
#42
 2,4,6-Trichlorophenol
 Concen: 51.18 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion:196 Resp: 80560
 Ion Ratio Lower Upper
 196 100
 198 98.3 77.7 116.5
 200 30.8 24.6 37.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

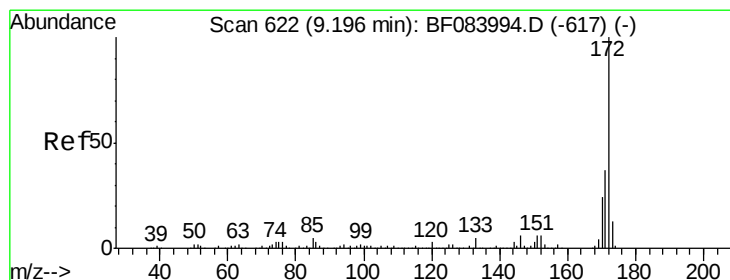
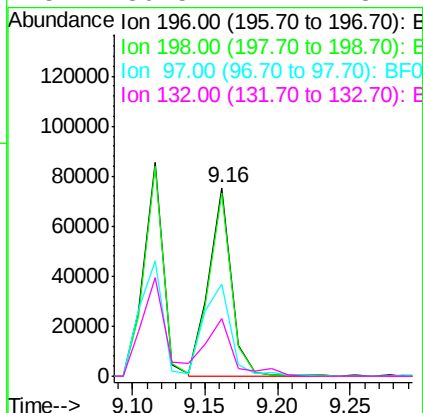
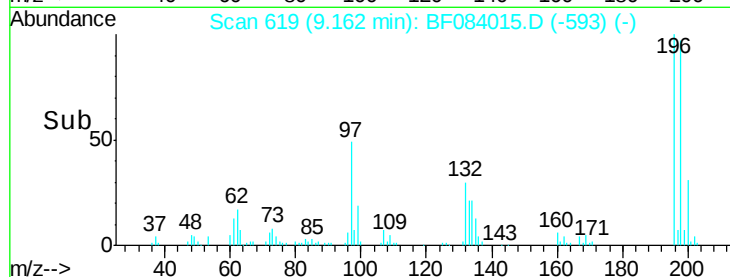
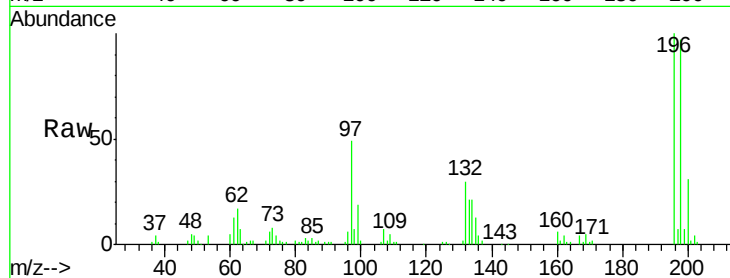




#43
 2,4,5-Trichlorophenol
 Concen: 50.74 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

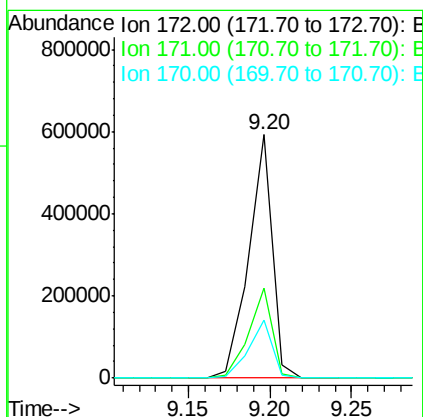
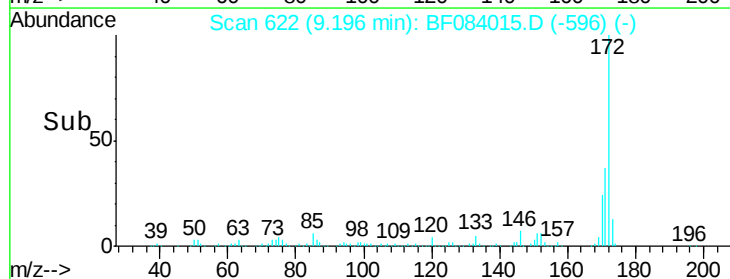
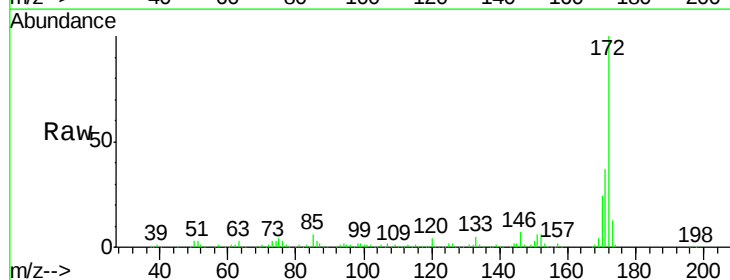
Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

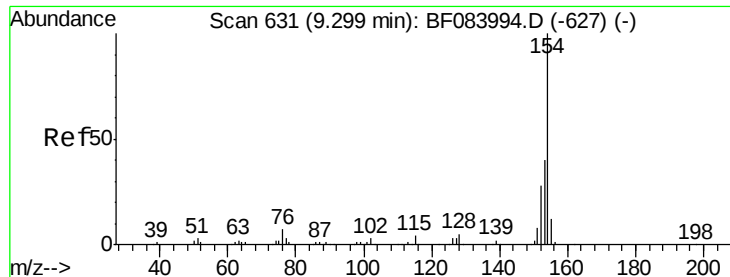
Tot Ion:196	Resp:	83124
Ion Ratio	Lower	Upper
196	100	
198	97.0	79.0 118.6
97	49.2	33.0 49.6
132	30.5	21.1 31.7



#44
 2-Fluorobiphenyl
 Concen: 91.90 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion:172	Resp:	593803
Ion Ratio	Lower	Upper
172	100	
171	36.8	28.9 43.3
170	23.6	18.6 27.8

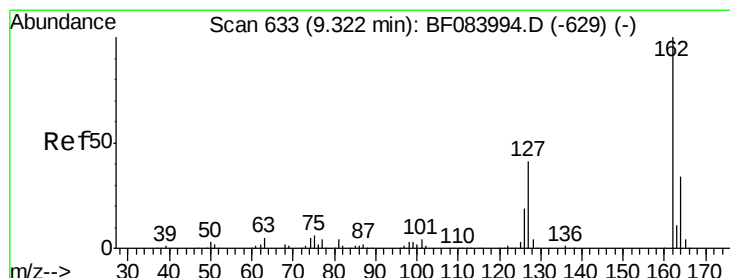
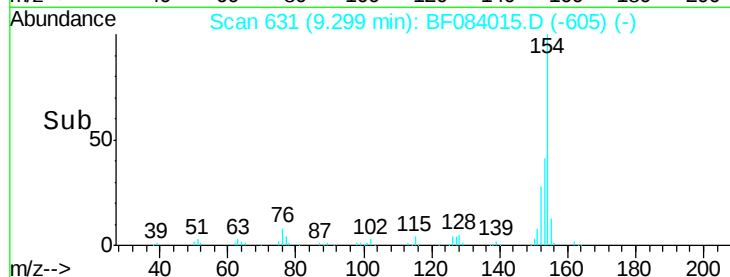
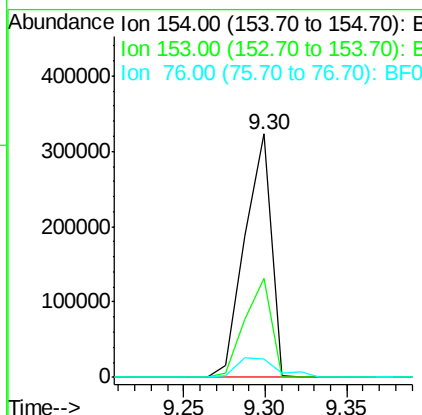
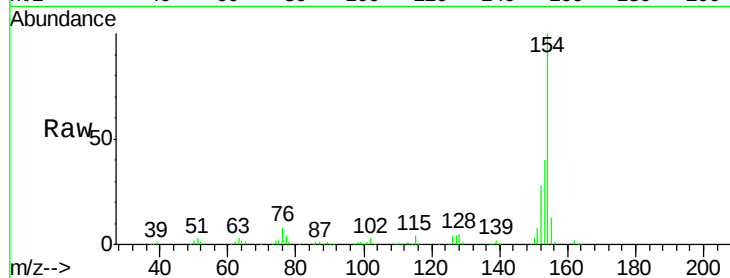




#45
 1,1'-Biphenyl
 Concen: 47.24 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

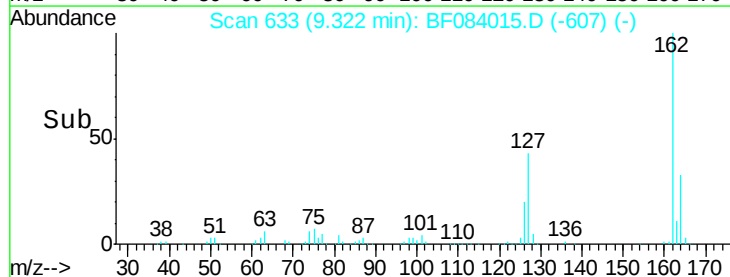
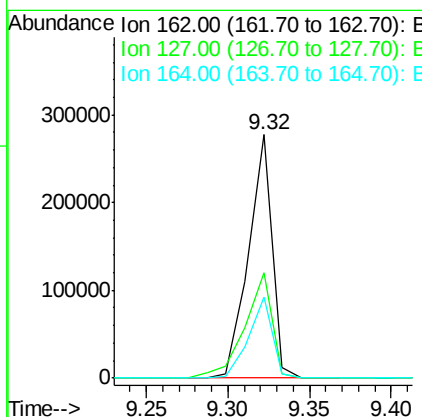
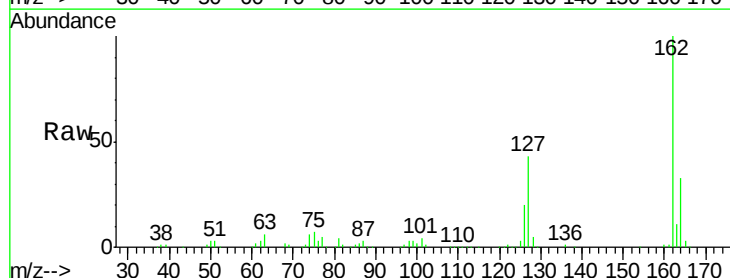
Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

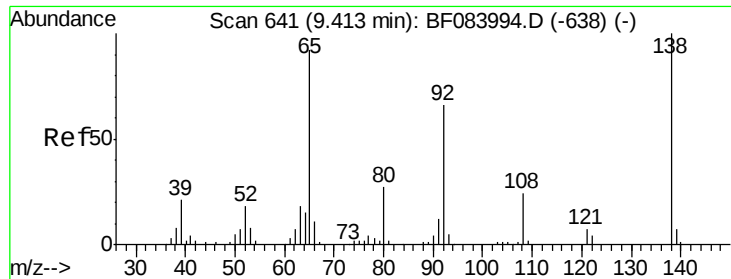
Tot Ion:154 Resp: 363111
 Ion Ratio Lower Upper
 154 100
 153 40.5 21.6 61.6
 76 7.6 0.0 32.7



#46
 2-Chloronaphthalene
 Concen: 50.19 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion:162 Resp: 277757
 Ion Ratio Lower Upper
 162 100
 127 43.2 40.2 60.4
 164 33.1 25.7 38.5

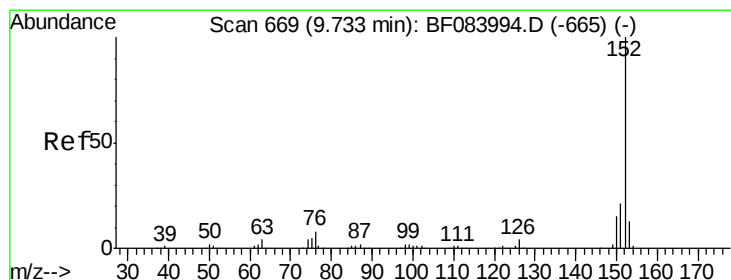
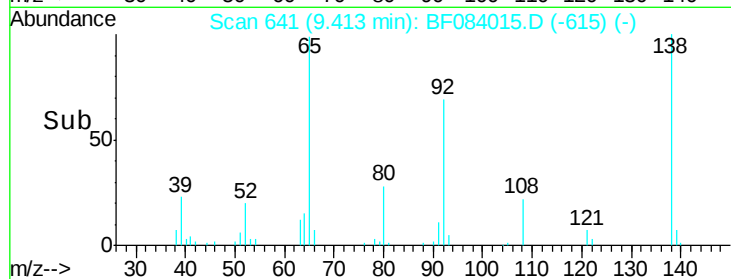
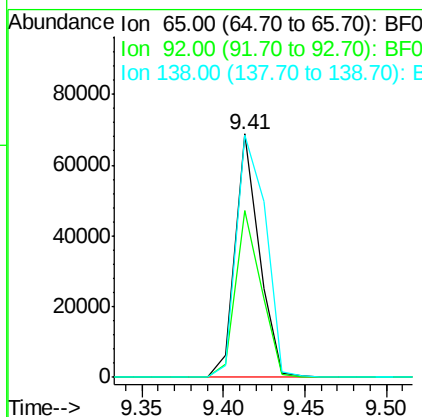
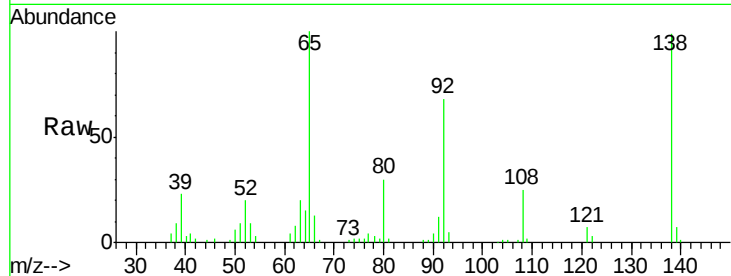




#47
2-Nitroaniline
Concen: 46.17 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

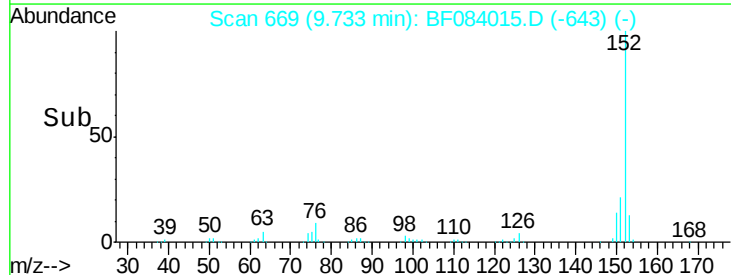
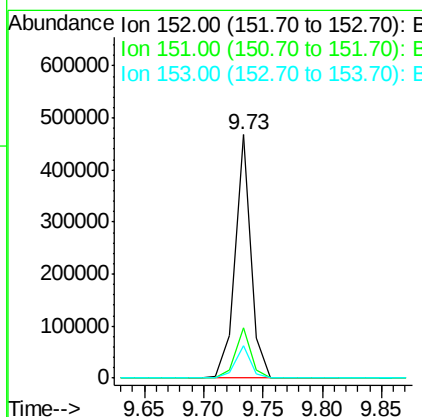
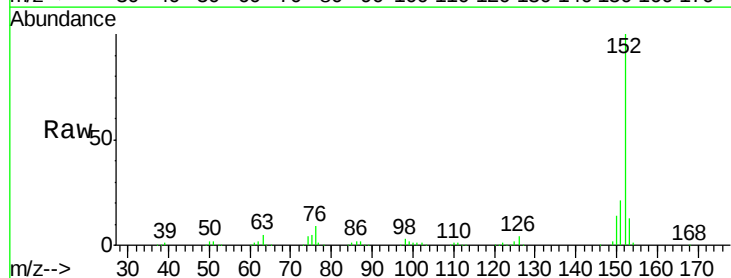
Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

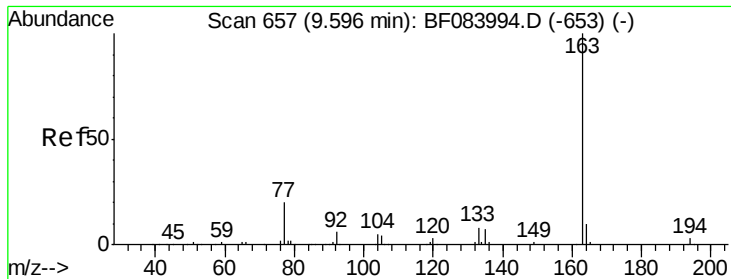
Tot Ion: 65 Resp: 69653
Ion Ratio Lower Upper
65 100
92 68.4 53.4 80.2
138 99.3 71.1 106.7



#48
Acenaphthylene
Concen: 49.45 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion: 152 Resp: 433393
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 13.2 10.4 15.6

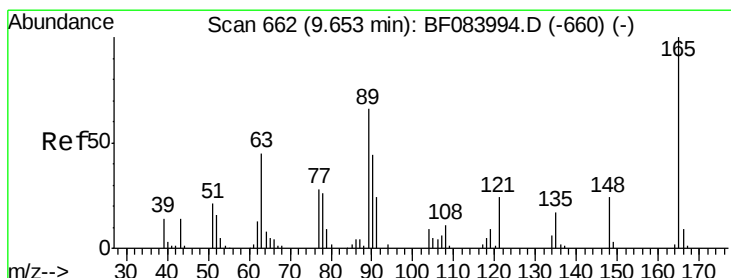
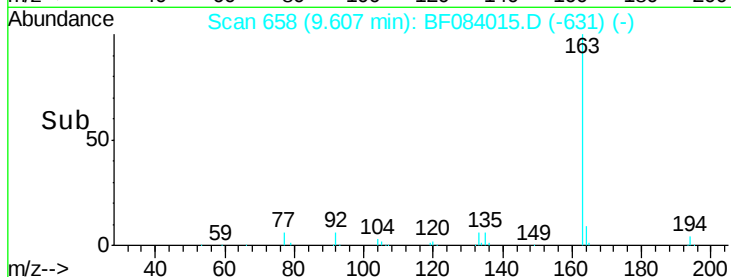
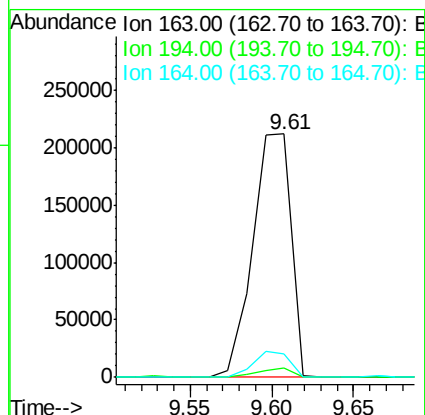
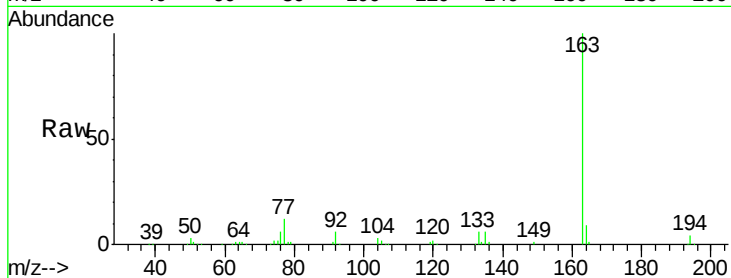




#49
Dimethylphthalate
Concen: 50.60 ng
RT: 9.61 min Scan# 658
Delta R.T. 0.01 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

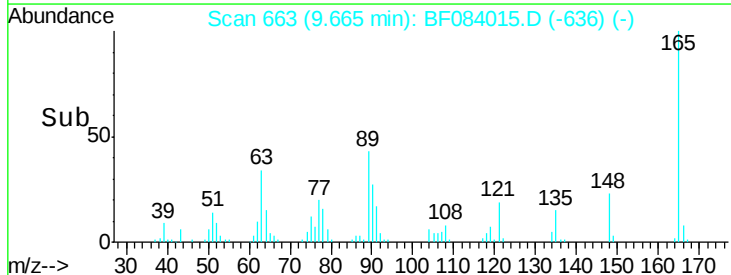
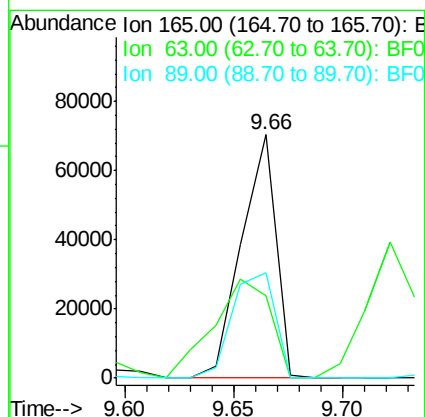
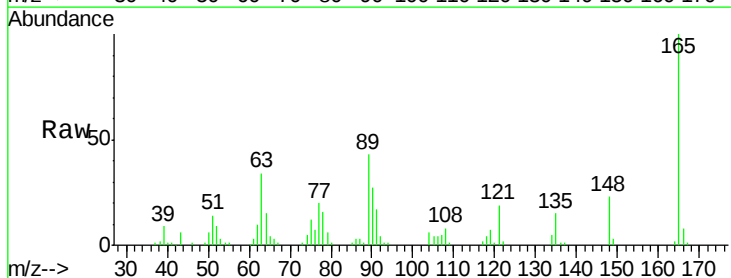
Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

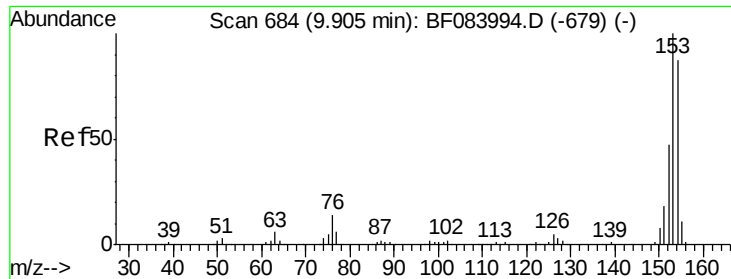
Tot Ion:163 Resp: 344278
Ion Ratio Lower Upper
163 100
194 3.7 8.0 12.0#
164 9.4 8.0 12.0



#50
2,6-Dinitrotoluene
Concen: 54.02 ng
RT: 9.66 min Scan# 663
Delta R.T. 0.01 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion:165 Resp: 77576
Ion Ratio Lower Upper
165 100
63 33.6 28.8 43.2
89 43.3 35.1 52.7

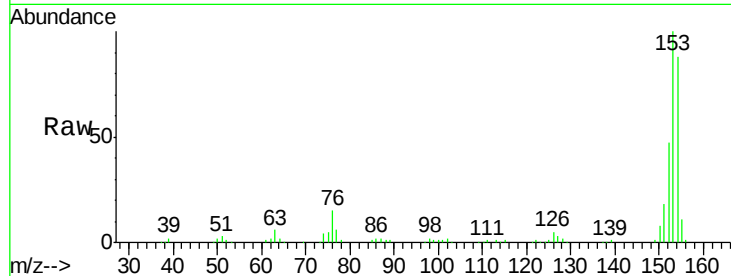




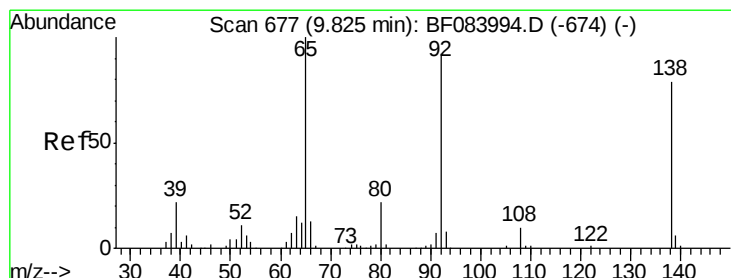
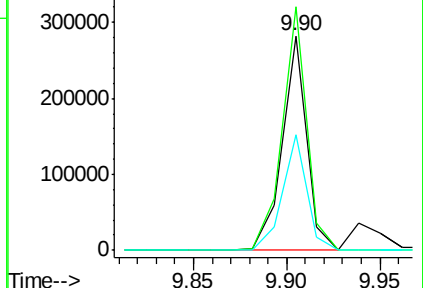
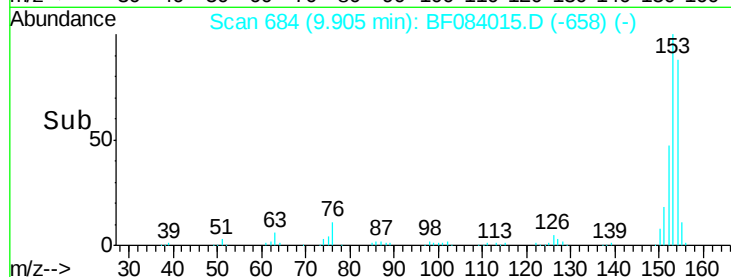
#51
Acenaphthene
Concen: 49.19 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

Tot Ion:154 Resp: 256296
Ion Ratio Lower Upper
154 100
153 113.7 91.5 137.3
152 54.0 43.0 64.6

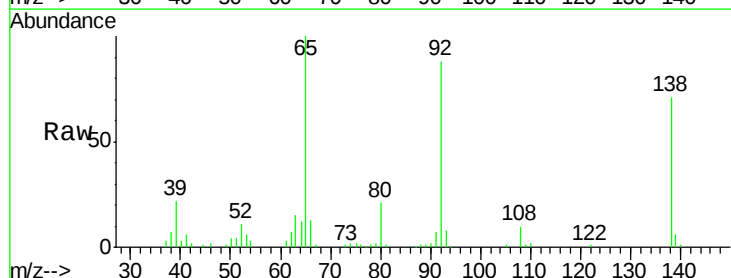


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

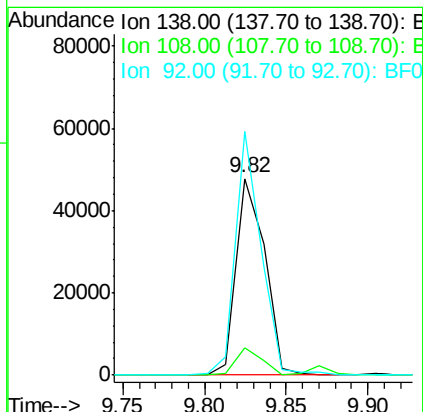
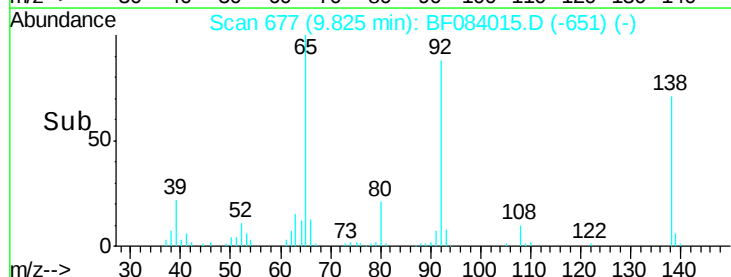


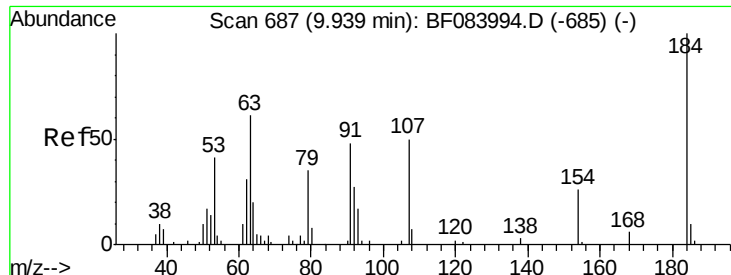
#52
3-Nitroaniline
Concen: 37.77 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion:138 Resp: 57609
Ion Ratio Lower Upper
138 100
108 13.9 10.5 15.7
92 124.0 103.9 155.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

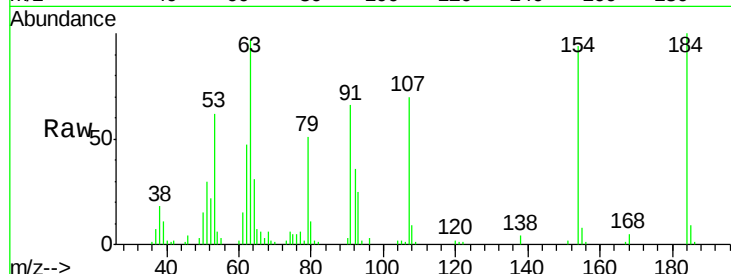




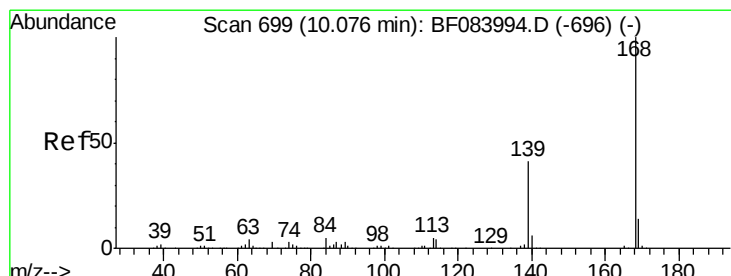
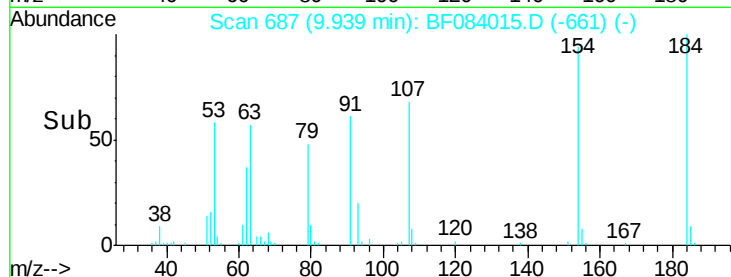
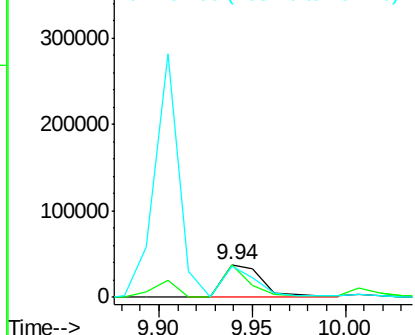
#53
 2,4-Dinitrophenol
 Concen: 92.33 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

Tot Ion:184 Resp: 57579
 Ion Ratio Lower Upper
 184 100
 63 97.1 43.1 64.7#
 154 93.7 60.5 90.7#

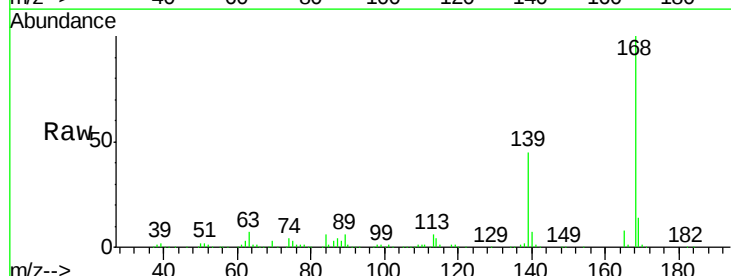


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

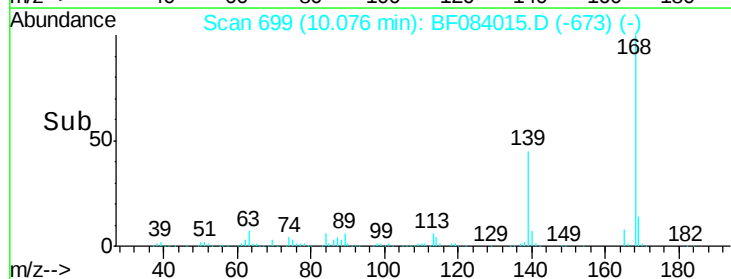
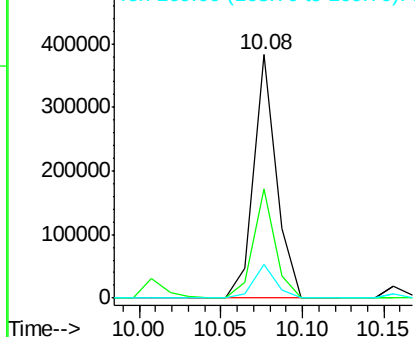


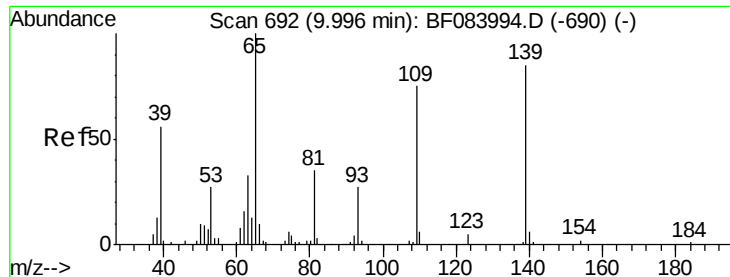
#54
 Dibenzofuran
 Concen: 47.57 ng
 RT: 10.08 min Scan# 699
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion:168 Resp: 371020
 Ion Ratio Lower Upper
 168 100
 139 44.8 30.5 45.7
 169 13.7 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 35.31 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

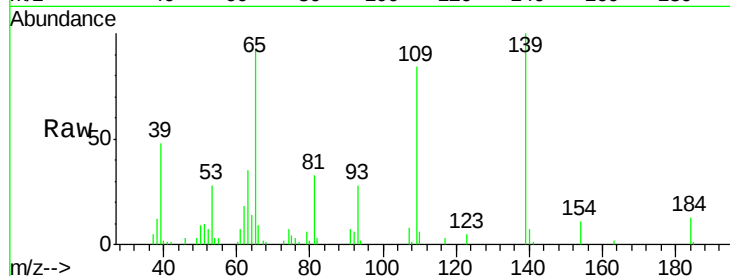
Tot Ion:139 Resp: 31648

Ion Ratio Lower Upper

139 100

109 83.9 58.5 98.5

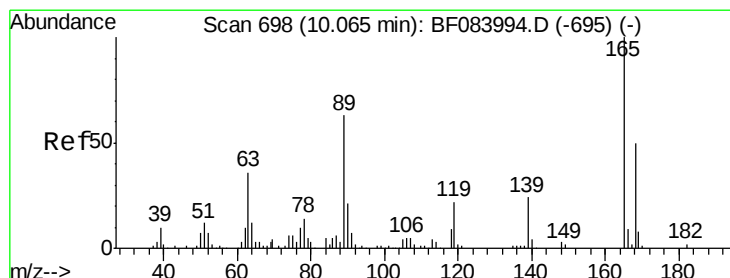
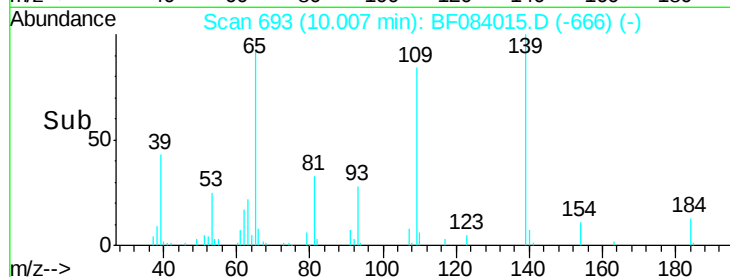
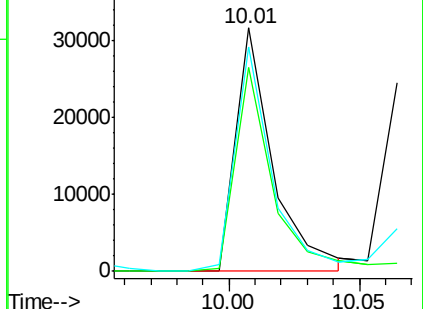
65 92.3 57.6 97.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 51.51 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Tgt Ion:165 Resp: 92993

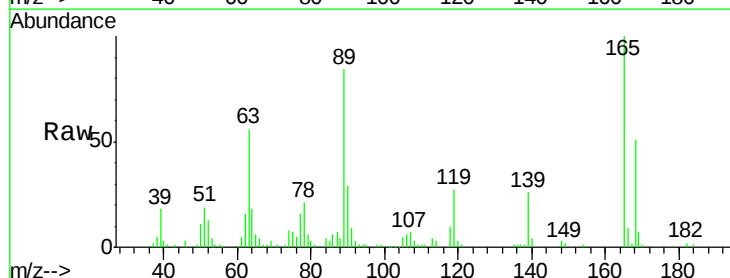
Ion Ratio Lower Upper

165 100

63 56.1 36.7 55.1#

89 84.0 61.9 92.9

182 2.4 2.0 3.0

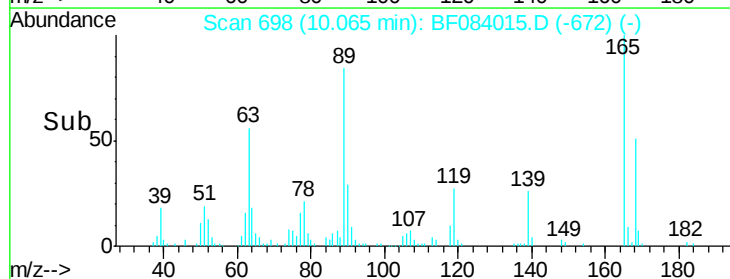
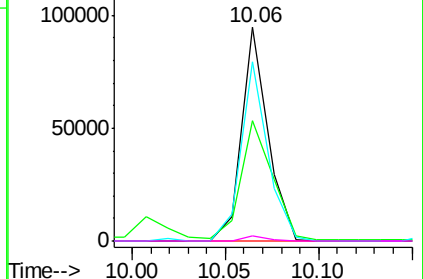


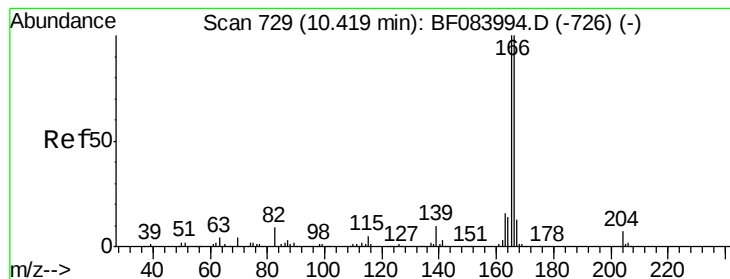
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 48.54 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

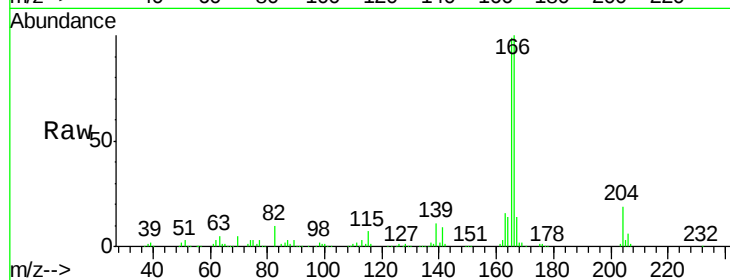
Tot Ion:166 Resp: 299951

Ion Ratio Lower Upper

166 100

165 99.3 79.1 118.7

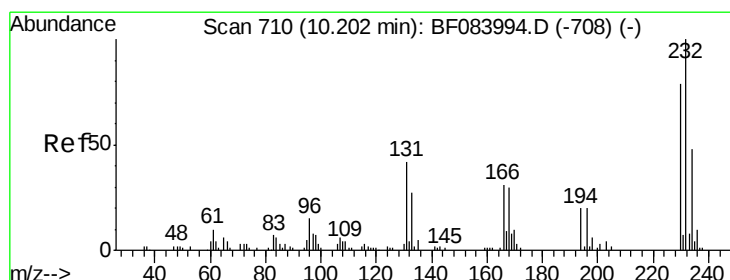
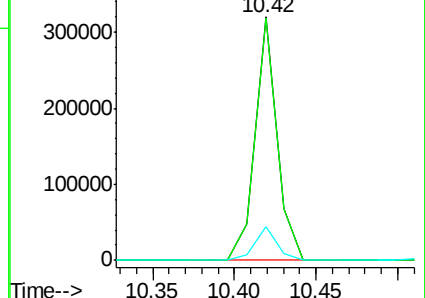
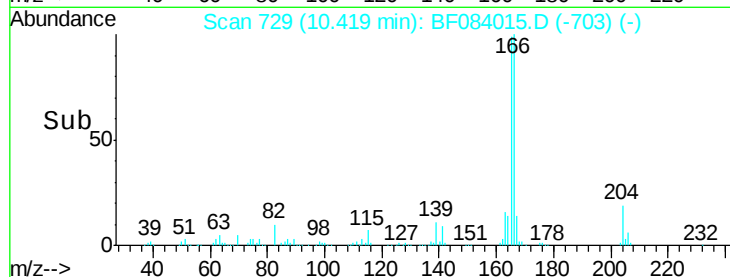
167 13.6 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.18 ng

RT: 10.20 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Tgt Ion:232 Resp: 69997

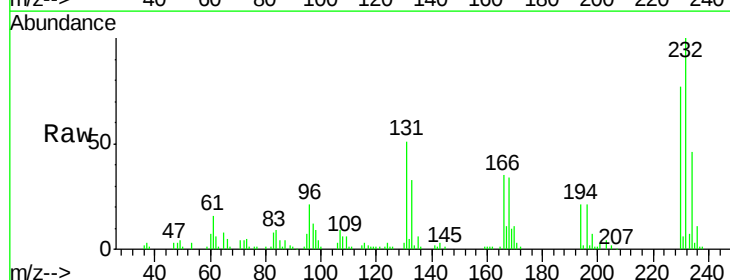
Ion Ratio Lower Upper

232 100

131 53.9 47.0 70.6

130 2.8 2.0 3.0

166 35.8 30.5 45.7

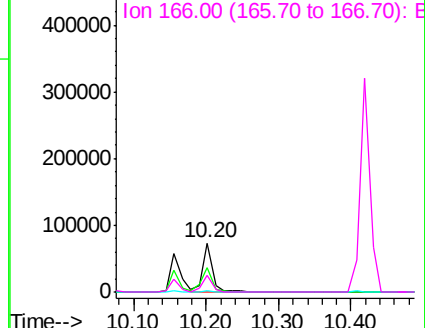
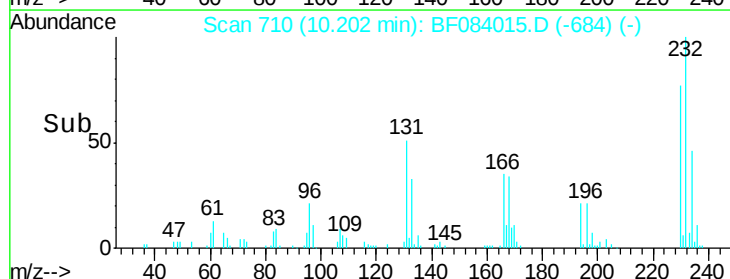


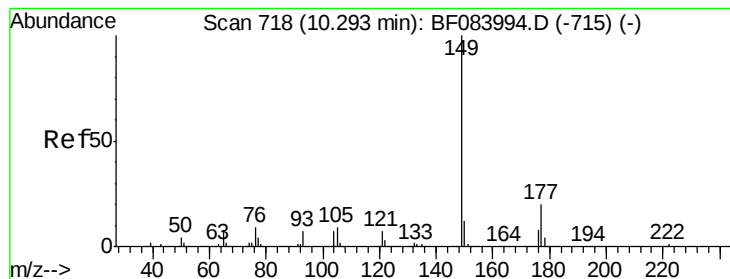
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 51.36 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

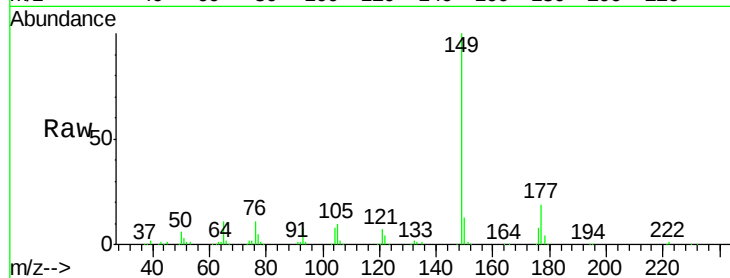
Tot Ion:149 Resp: 343427

Ion Ratio Lower Upper

149 100

177 19.0 17.3 25.9

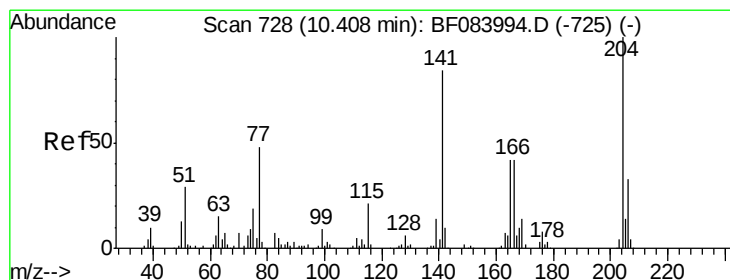
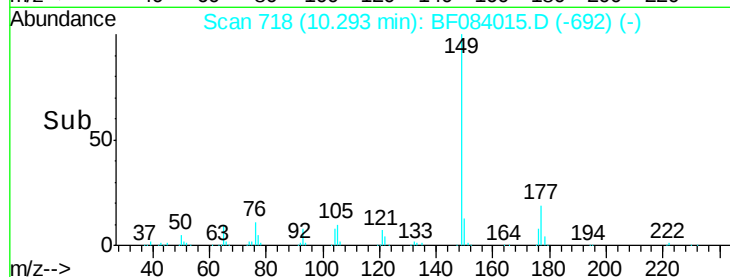
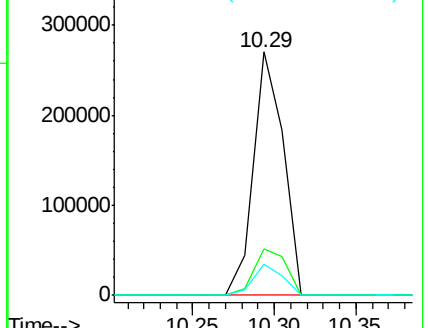
150 12.8 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.61 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

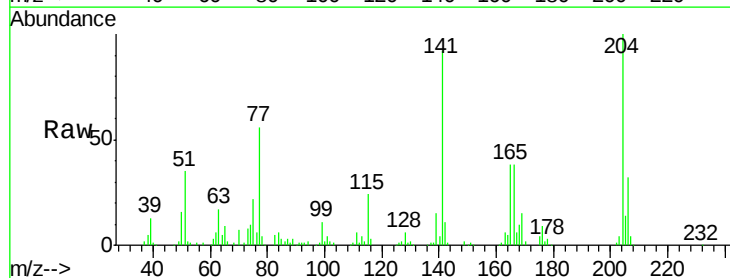
Tgt Ion:204 Resp: 131998

Ion Ratio Lower Upper

204 100

206 32.4 25.7 38.5

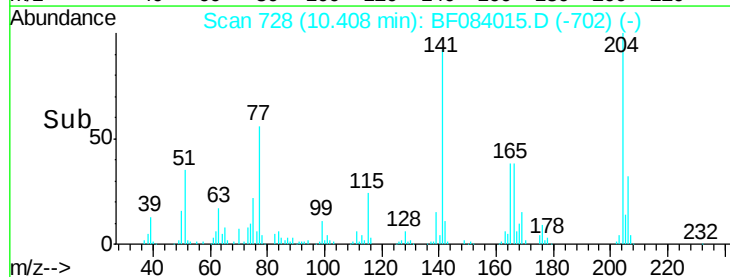
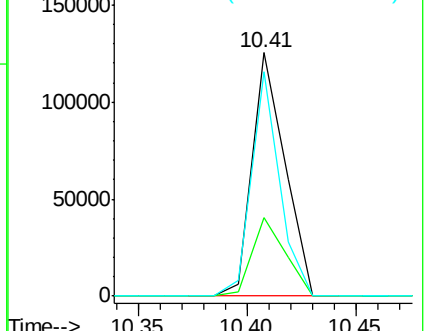
141 92.4 55.1 82.7#

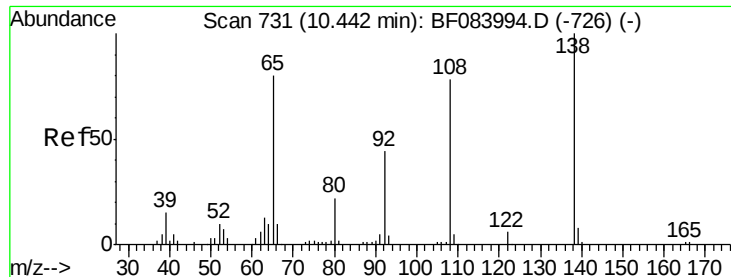


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 38.32 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

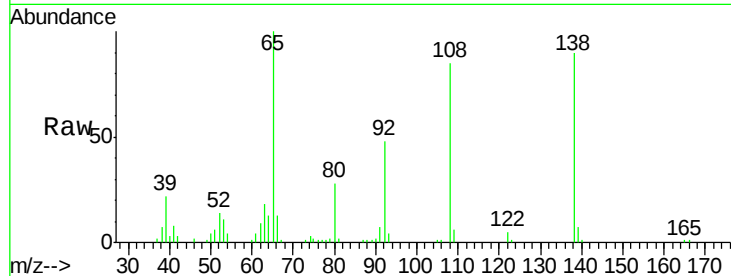
Tot Ion:138 Resp: 59797

Ion Ratio Lower Upper

138 100

92 53.0 32.6 72.6

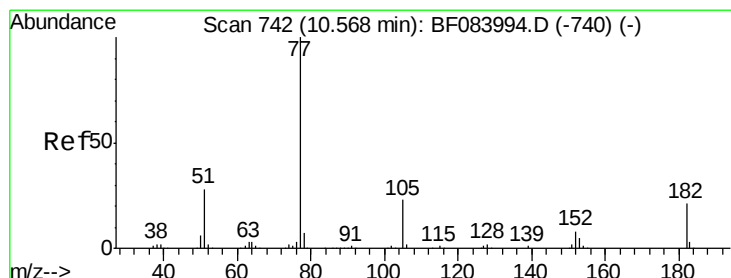
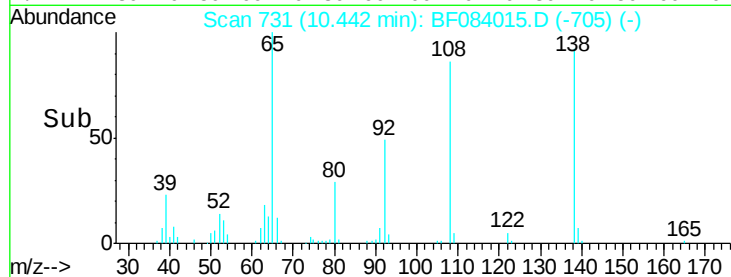
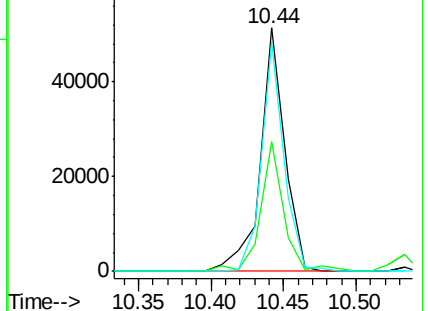
108 94.3 68.6 108.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 53.86 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Tgt Ion: 77 Resp: 317968

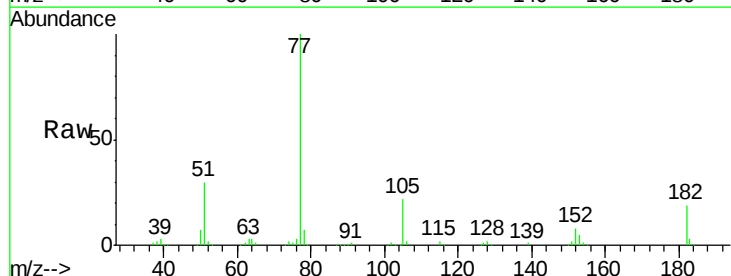
Ion Ratio Lower Upper

77 100

182 19.4 8.3 48.3

105 22.1 4.6 44.6

51 30.3 6.2 46.2

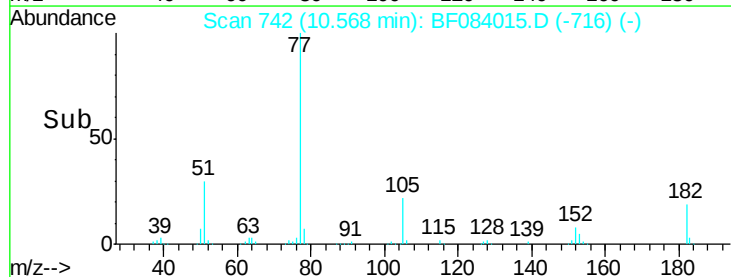
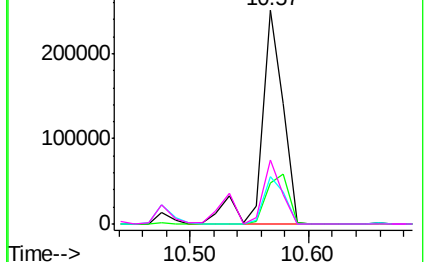


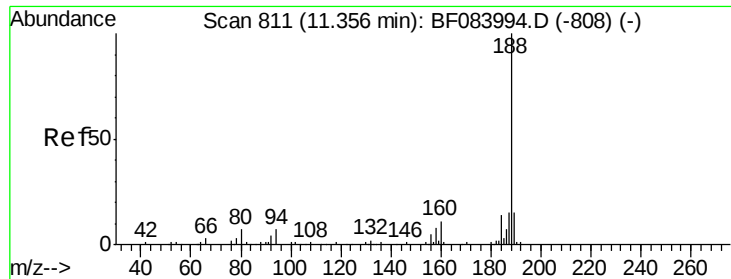
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

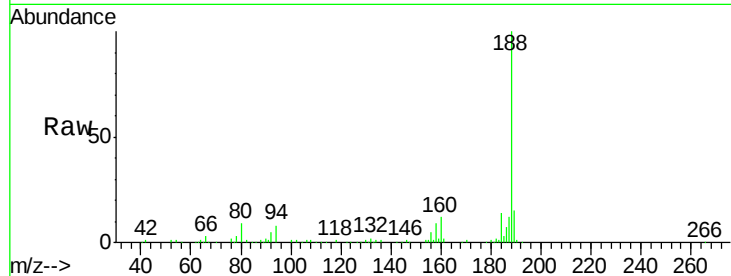
Tot Ion:188 Resp: 169434

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.4#

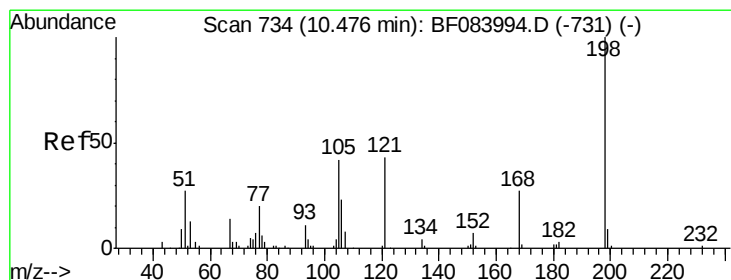
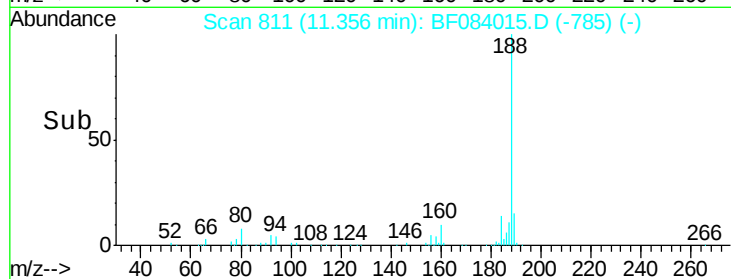
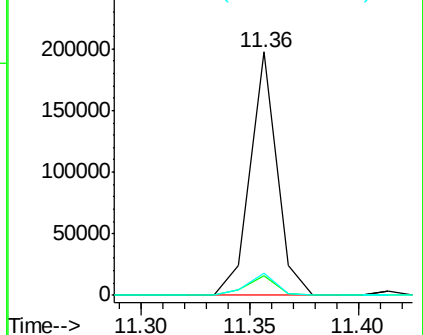
80 9.0 9.6 14.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 47.06 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

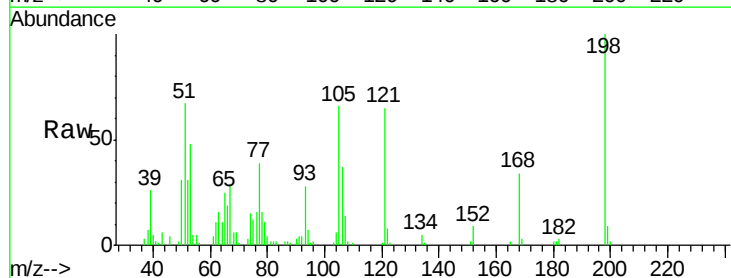
Tgt Ion:198 Resp: 46612

Ion Ratio Lower Upper

198 100

51 66.7 18.9 58.9#

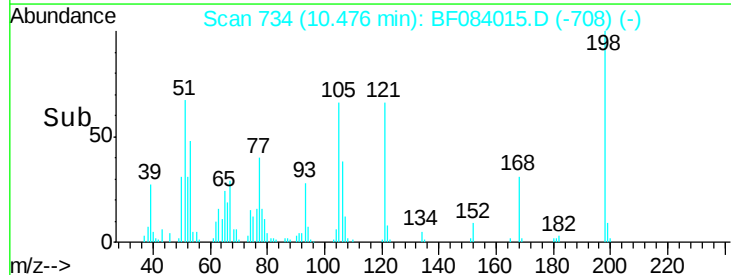
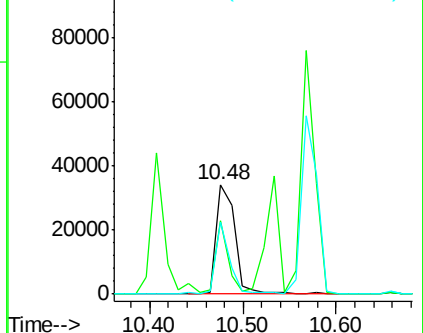
105 65.7 26.4 66.4

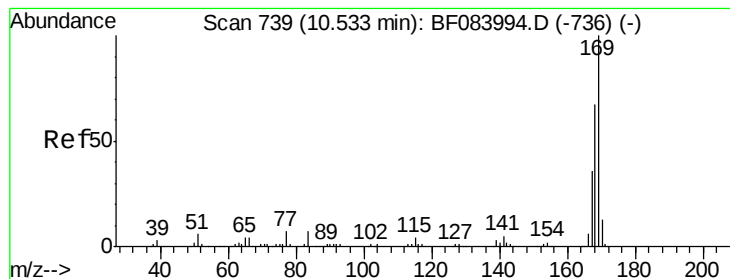


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 45.28 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

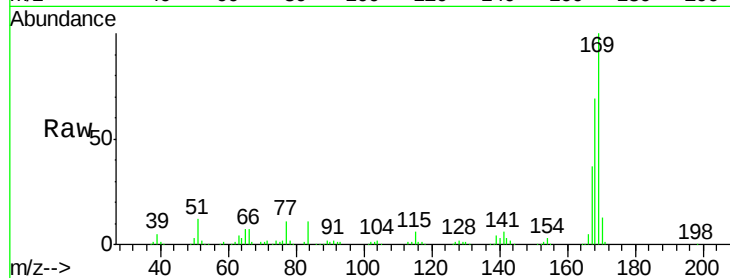
Tot Ion:169 Resp: 283381

Ion Ratio Lower Upper

169 100

168 68.6 55.1 82.7

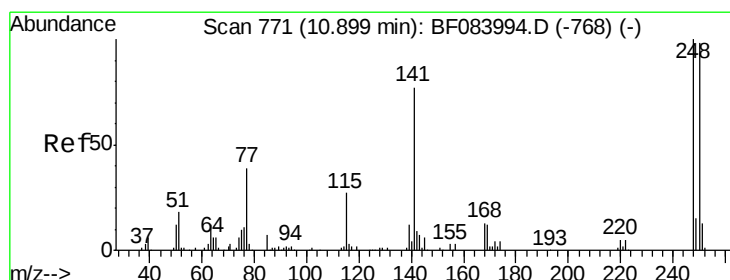
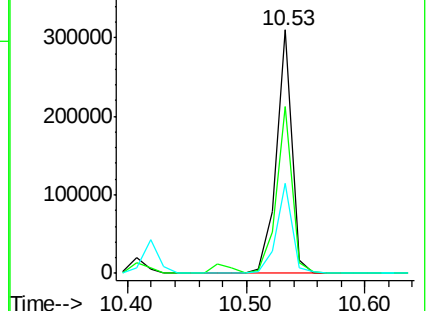
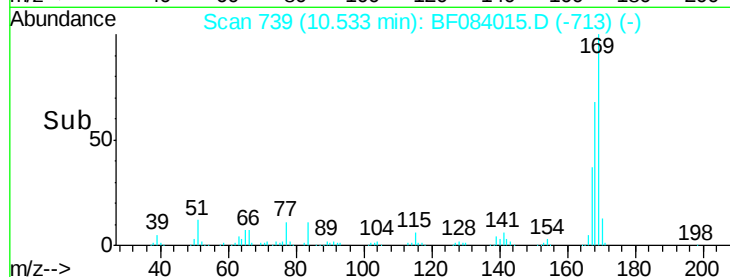
167 37.1 30.0 45.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 46.36 ng

RT: 10.90 min Scan# 771

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

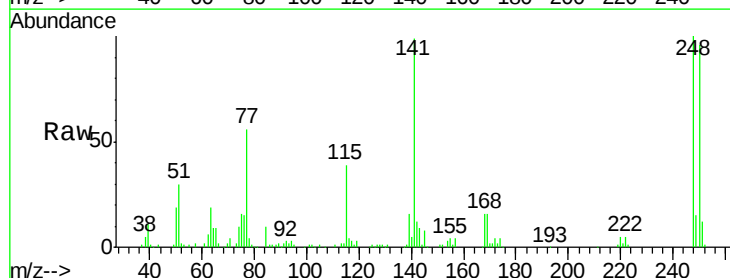
Tgt Ion:248 Resp: 90066

Ion Ratio Lower Upper

248 100

250 95.6 78.4 117.6

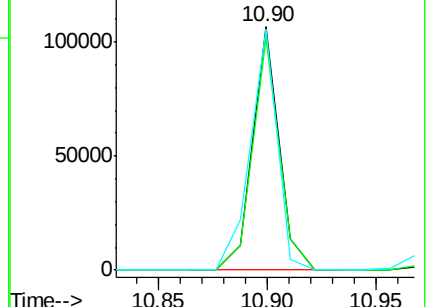
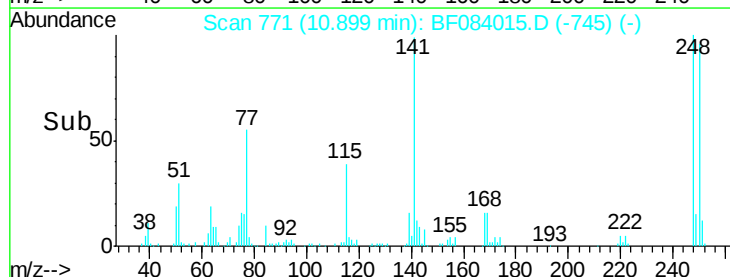
141 99.2 44.0 66.0#

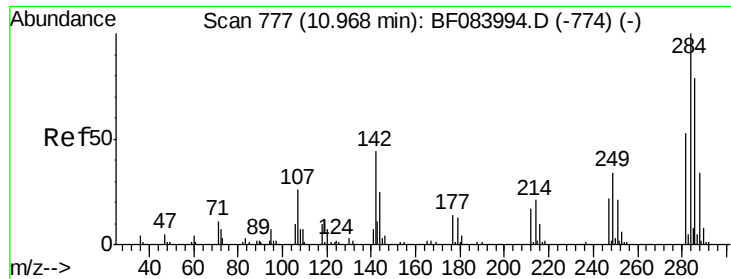


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

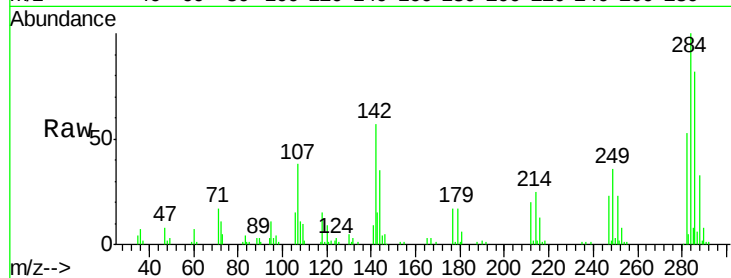




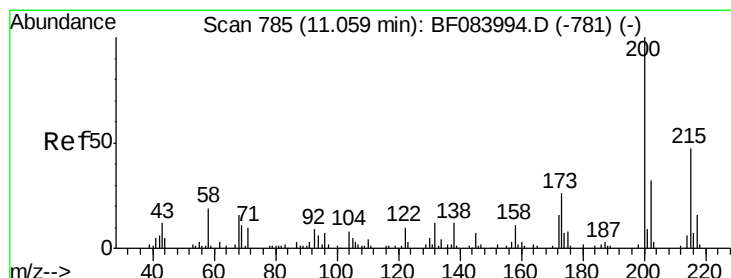
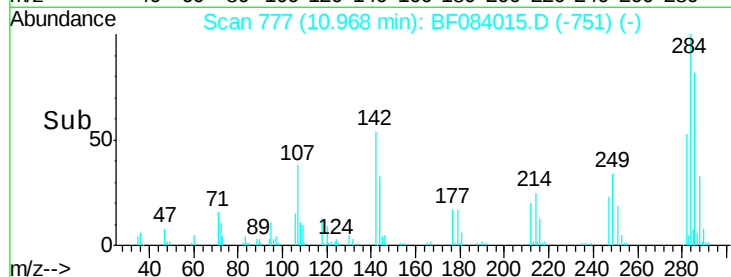
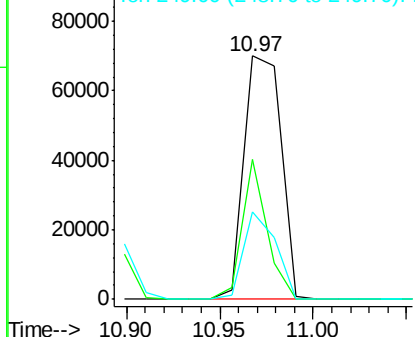
#67
Hexachlorobenzene
Concen: 45.52 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

Tot Ion:284 Resp: 96525
Ion Ratio Lower Upper
284 100
142 57.5 22.2 33.4#
249 35.8 24.6 37.0

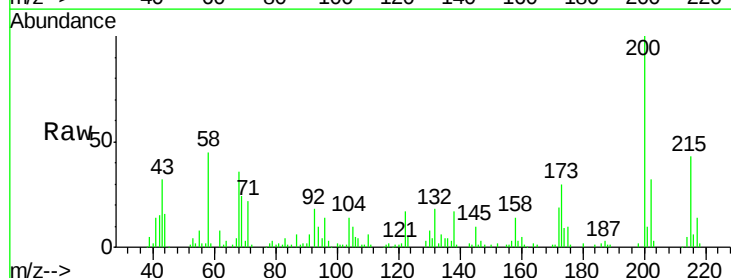


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

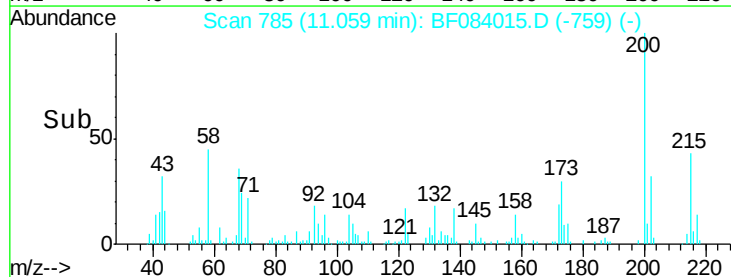
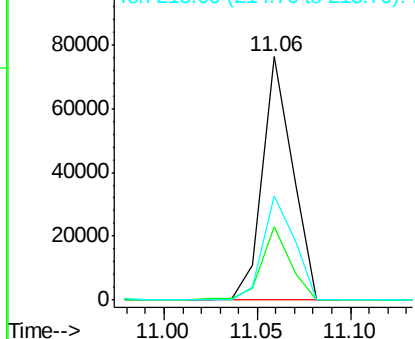


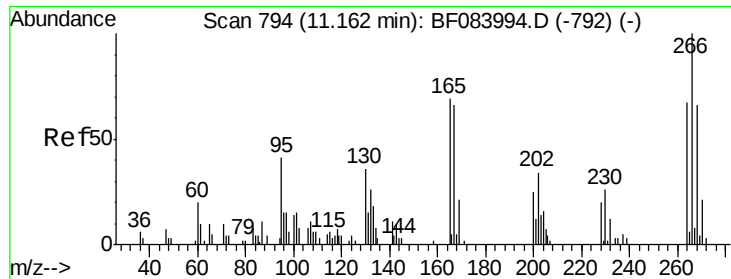
#68
Atrazine
Concen: 44.76 ng
RT: 11.06 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion:200 Resp: 84686
Ion Ratio Lower Upper
200 100
173 30.0 9.5 49.5
215 42.7 23.8 63.8



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

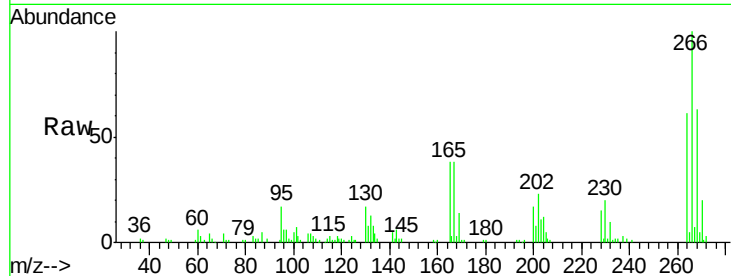




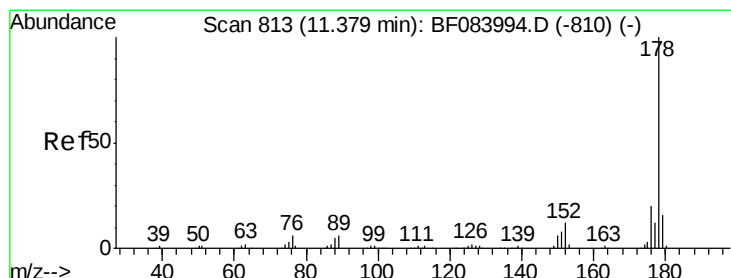
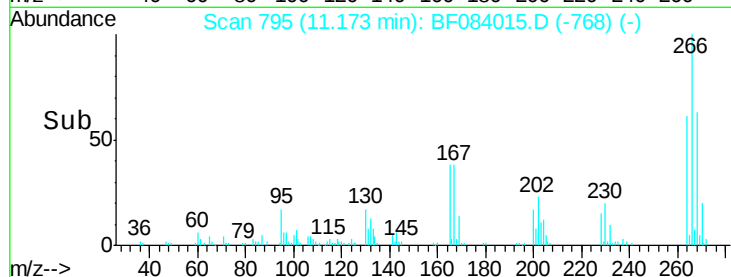
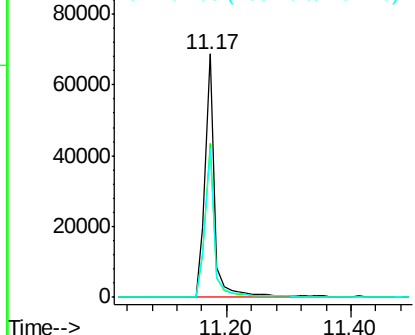
#69
 Pentachlorophenol
 Concen: 96.74 ng
 RT: 11.17 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

Tot Ion:266 Resp: 76371
 Ion Ratio Lower Upper
 266 100
 268 63.3 52.4 78.6
 264 61.4 50.2 75.2

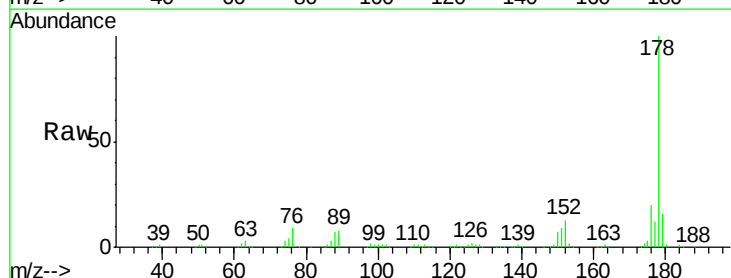


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

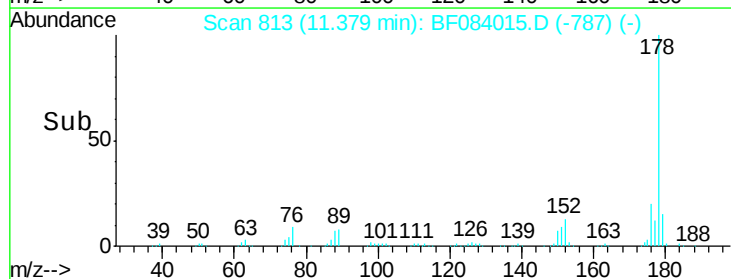
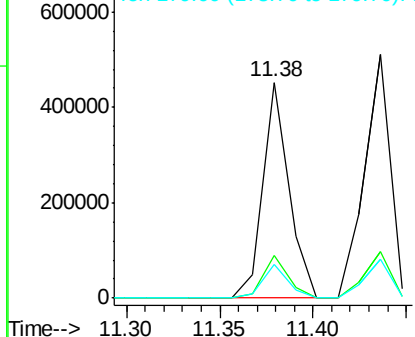


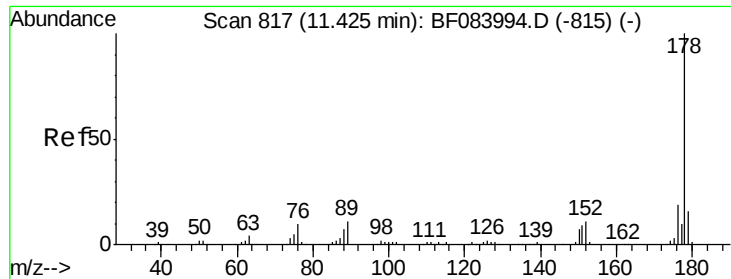
#70
 Phenanthrene
 Concen: 45.43 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion:178 Resp: 435067
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.3 22.9
 179 15.6 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

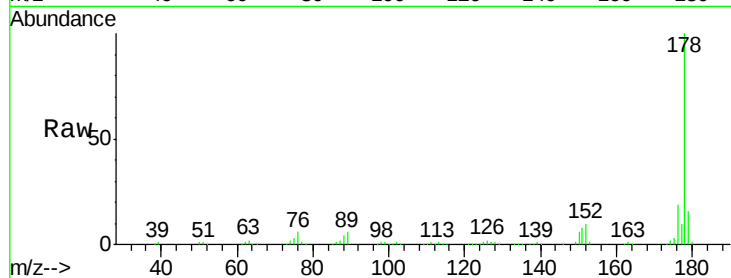




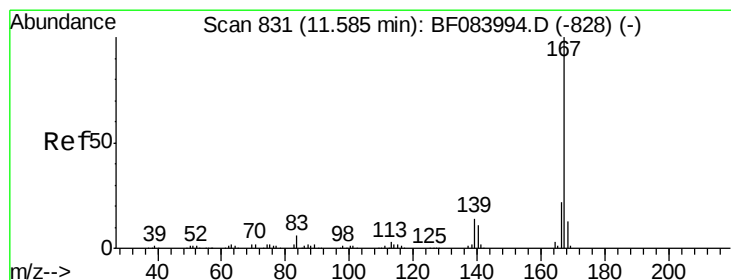
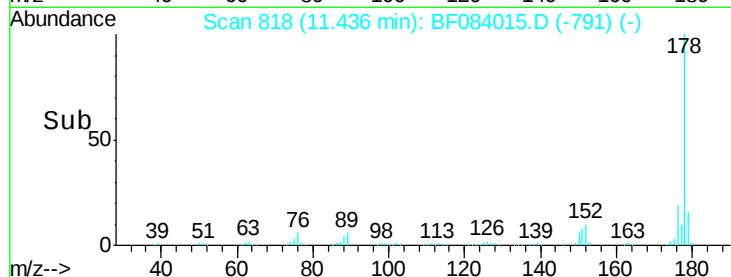
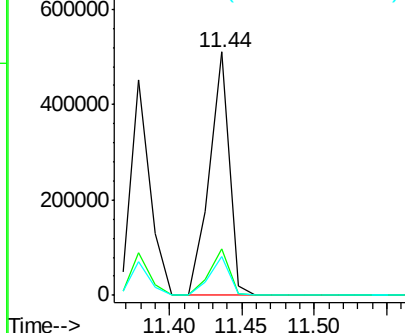
#71
 Anthracene
 Concen: 49.89 ng
 RT: 11.44 min Scan# 817
 Delta R.T. 0.01 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

Tot Ion:178 Resp: 485154
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.8 12.5 18.7

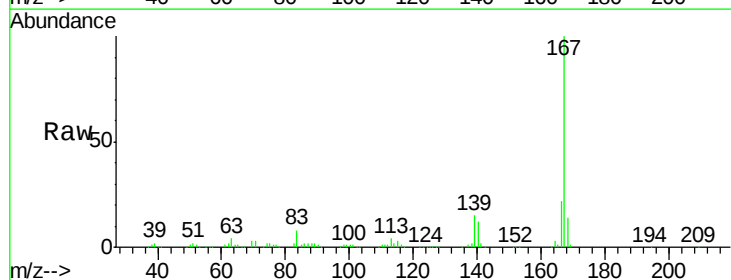


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

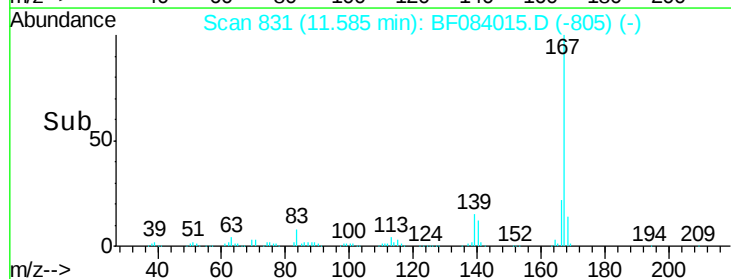
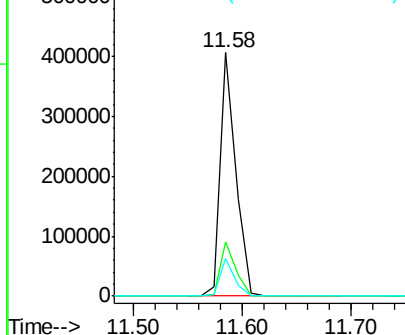


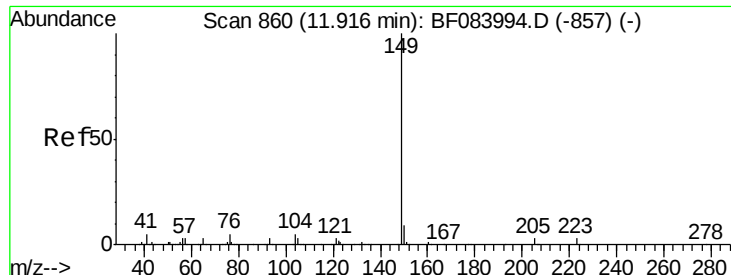
#72
 Carbazole
 Concen: 44.70 ng
 RT: 11.58 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion:167 Resp: 406517
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 15.3 11.8 17.8



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 48.83 ng

RT: 11.92 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

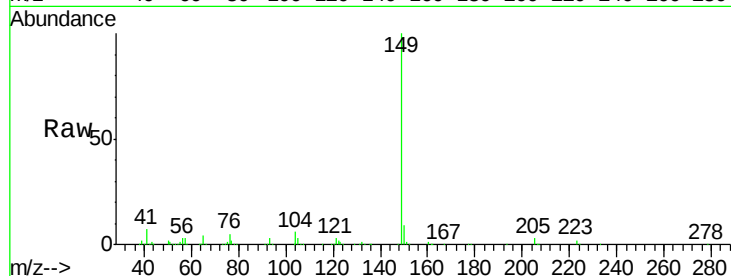
Tot Ion:149 Resp: 551371

Ion Ratio Lower Upper

149 100

150 9.3 7.1 10.7

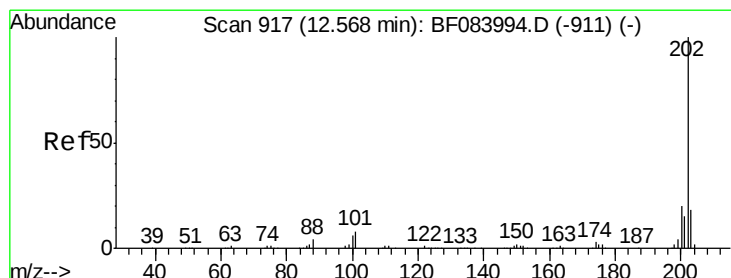
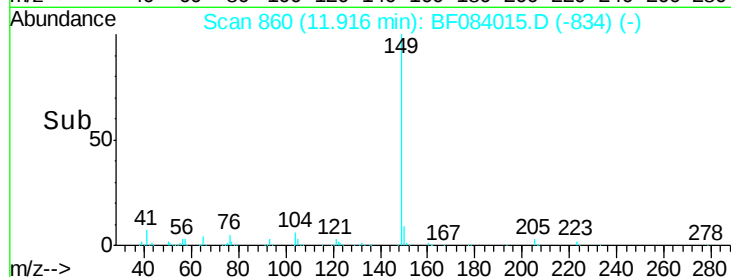
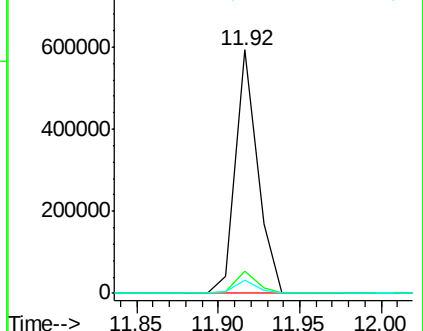
104 5.6 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 50.90 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

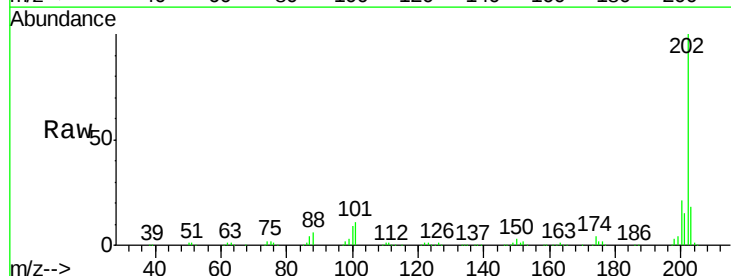
Tgt Ion:202 Resp: 483349

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.8

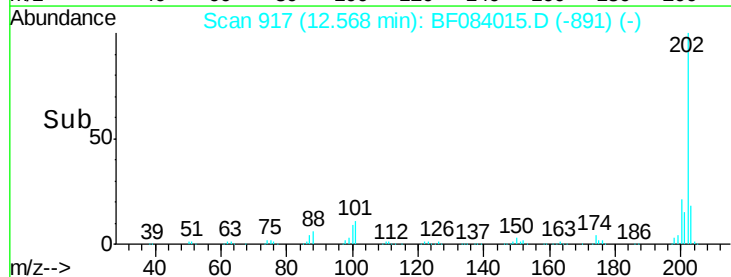
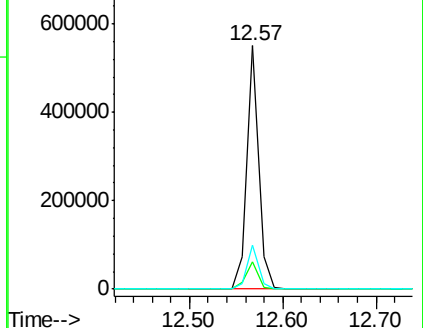
203 17.8 0.0 37.9

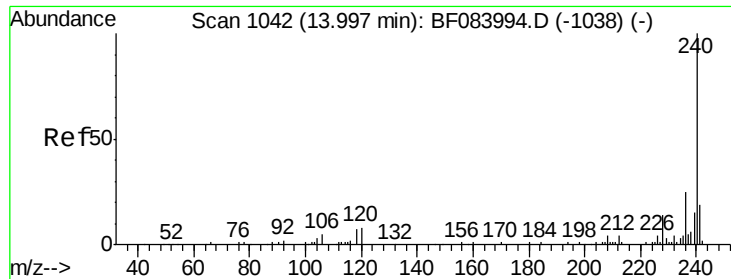


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

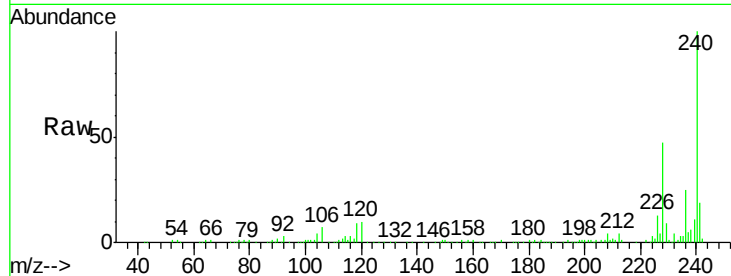
BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

Tot Ion:240 Resp: 155997

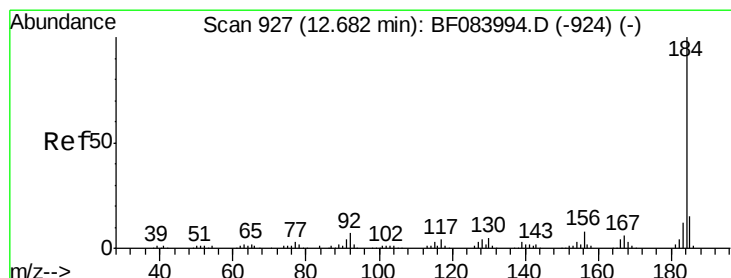
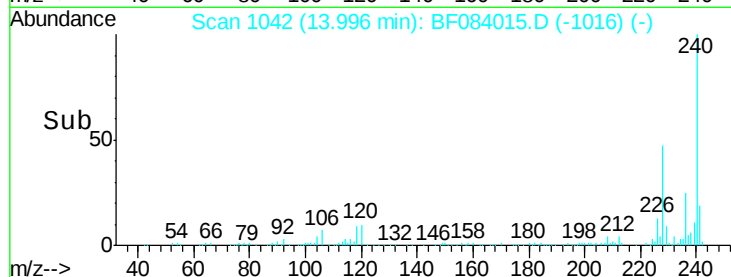
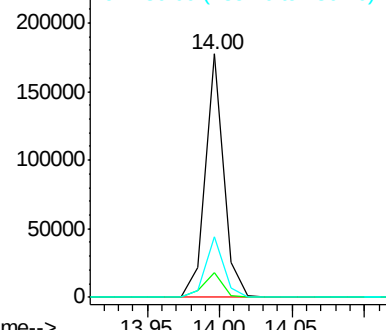
Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	24.7	20.6	31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 24.28 ng

RT: 12.68 min Scan# 927

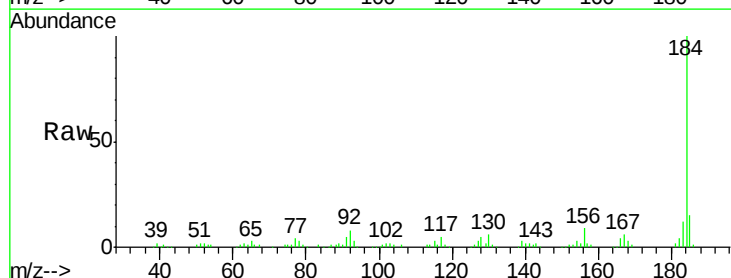
Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Tgt Ion:184 Resp: 135054

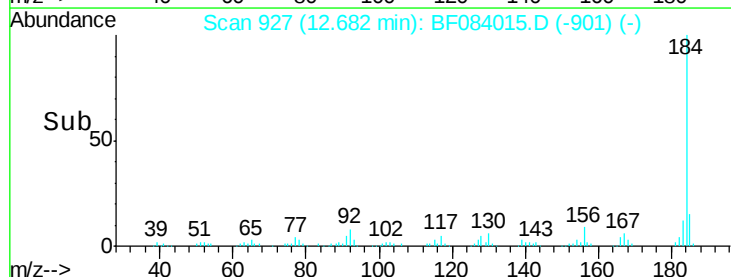
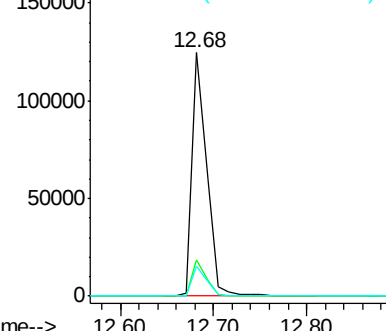
Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.2	18.2
183	12.4	9.8	14.8

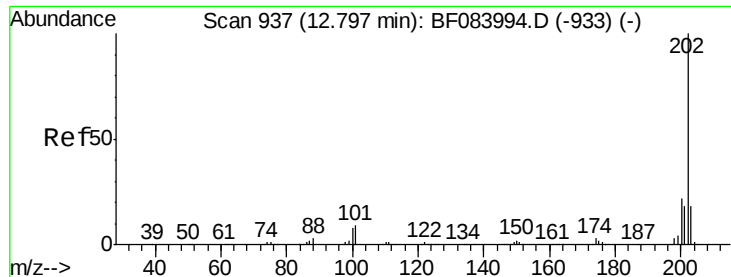


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

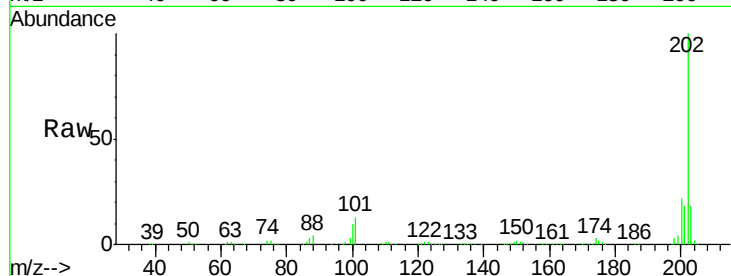




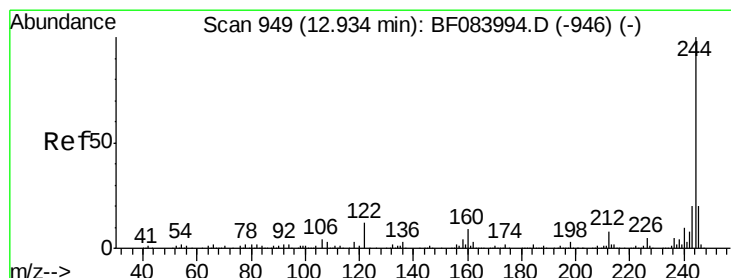
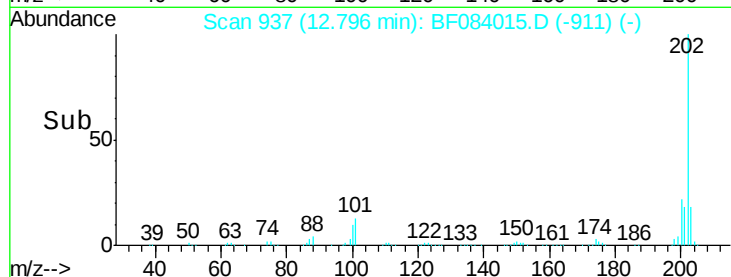
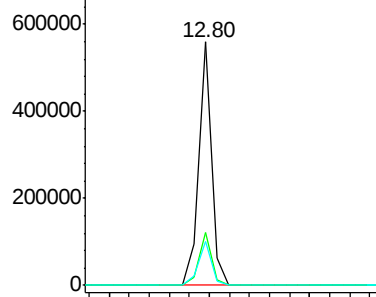
#77
Pvrene
Concen: 46.85 ng
RT: 12.80 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.2	25.8
203	18.0	14.3	21.5

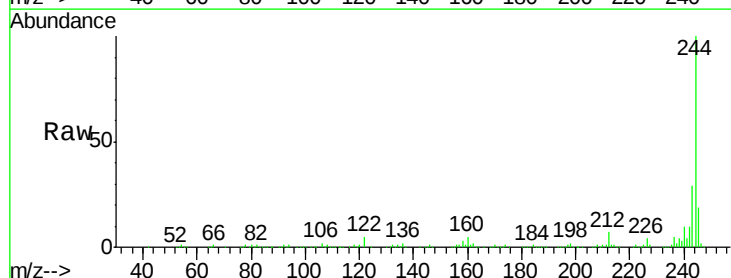


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

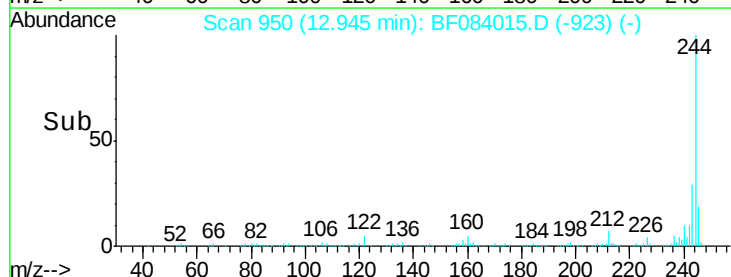
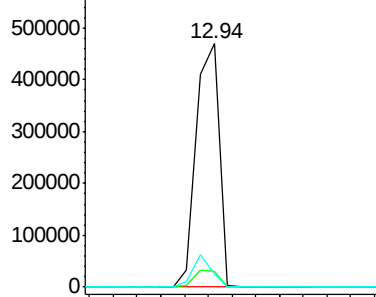


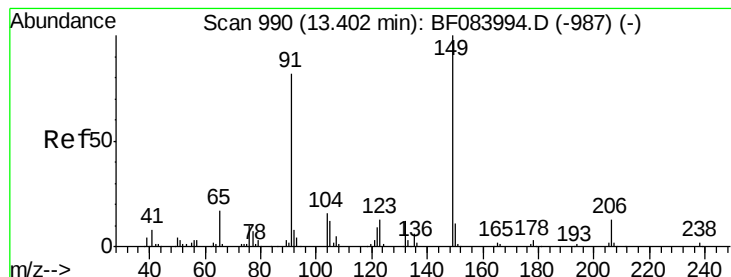
#78
Terphenyl-d14
Concen: 96.54 ng
RT: 12.94 min Scan# 950
Delta R.T. 0.01 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	5.4	7.4	11.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 55.01 ng

RT: 13.41 min Scan# 991

Delta R.T. 0.01 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

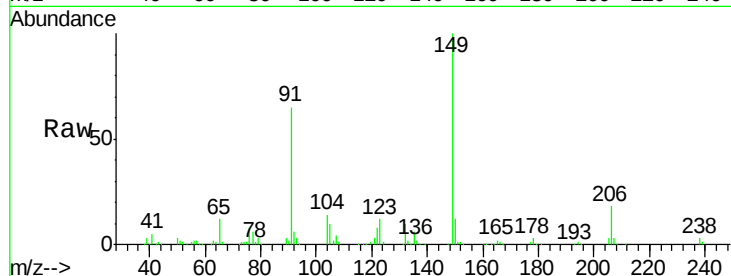
Tot Ion:149 Resp: 267807

Ion Ratio Lower Upper

149 100

91 65.3 57.6 86.4

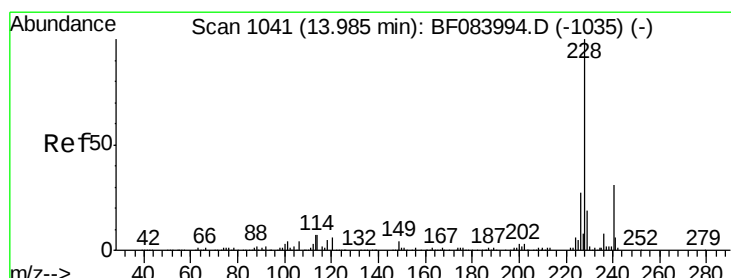
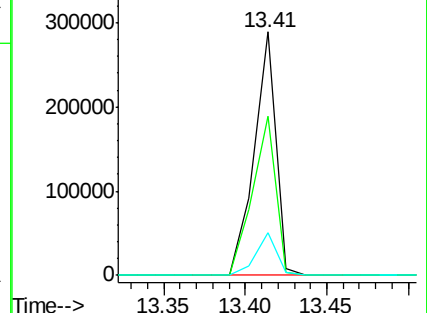
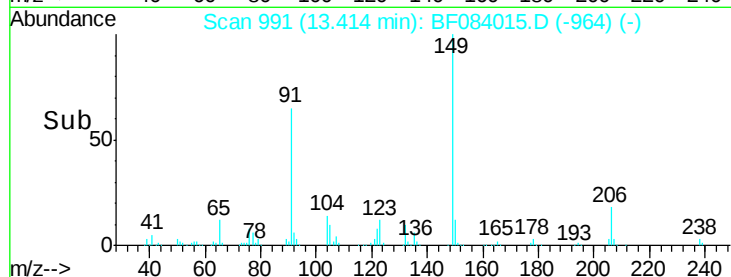
206 17.6 13.2 19.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 47.16 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

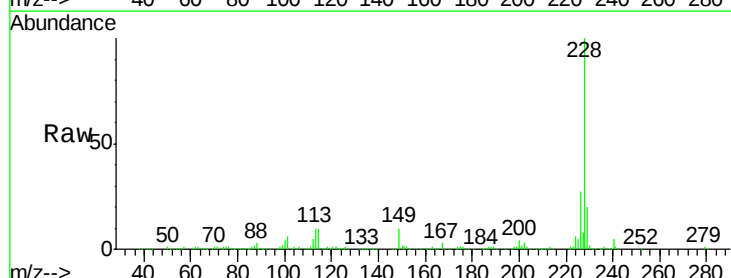
Tgt Ion:228 Resp: 424194

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.6

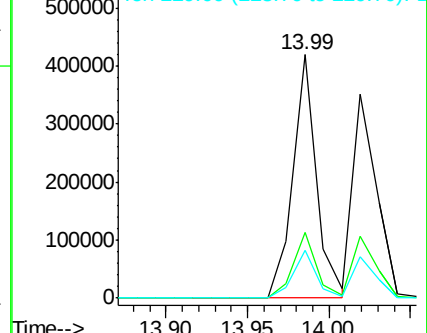
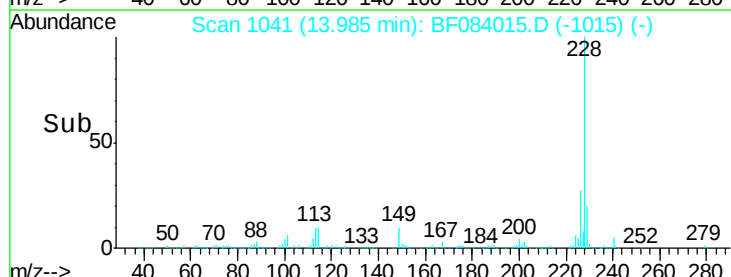
229 19.7 15.8 23.8

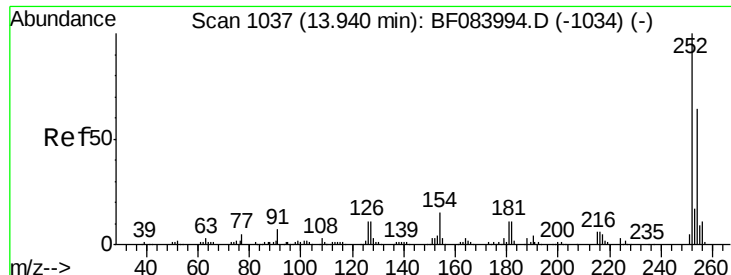


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

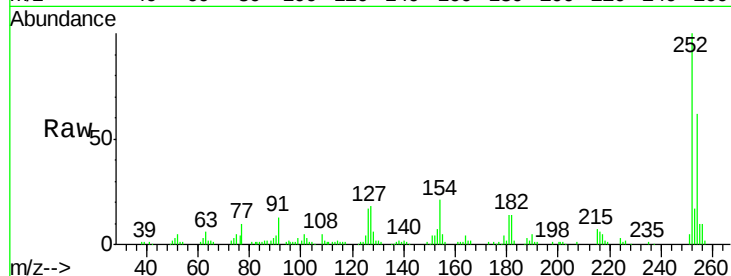




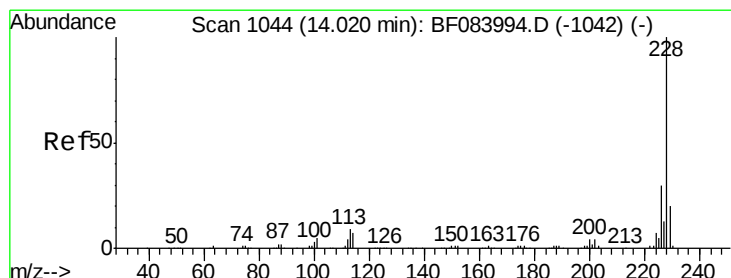
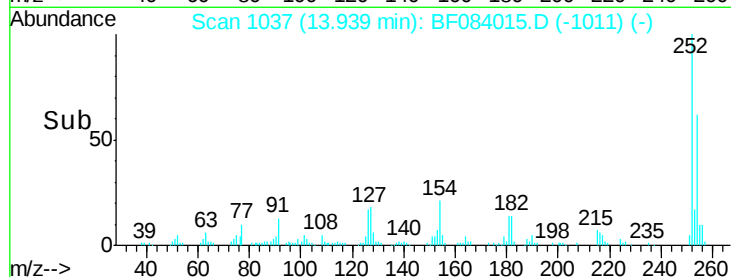
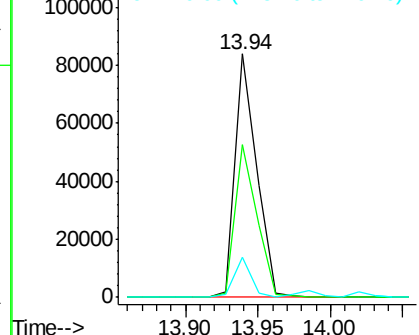
#81
 3,3'-Dichlorobenzidine
 Concen: 25.69 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP209BRV46.5MSD

Tot Ion:252 Resp: 86911
 Ion Ratio Lower Upper
 252 100
 254 62.5 53.5 80.3
 126 16.5 4.9 7.3#

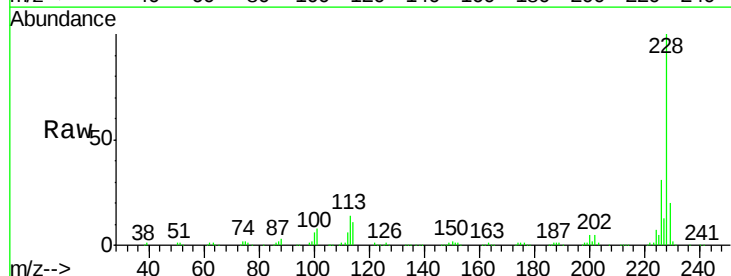


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

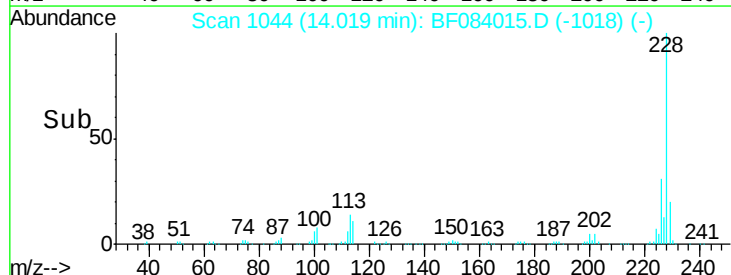
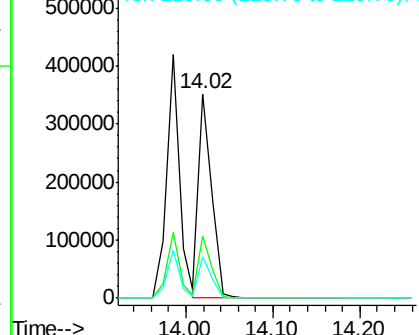


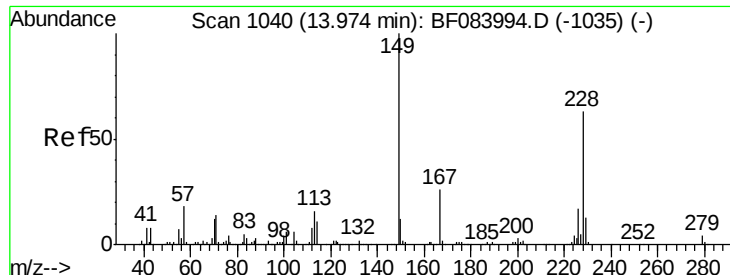
#82
 Chrysene
 Concen: 43.70 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: BF084015.D
 Acq: 23 Dec 2015 3:48

Tgt Ion:228 Resp: 364902
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.3 36.5
 229 20.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.31 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

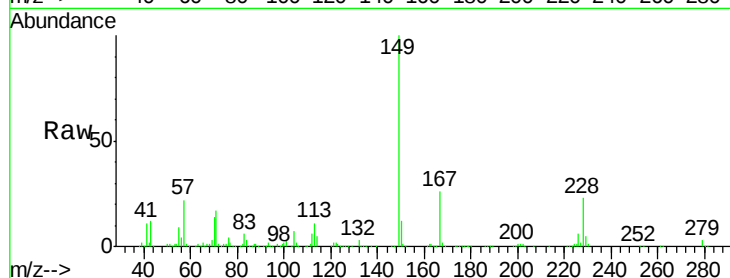
Tot Ion:149 Resp: 353124

Ion Ratio Lower Upper

149 100

167 25.7 19.7 29.5

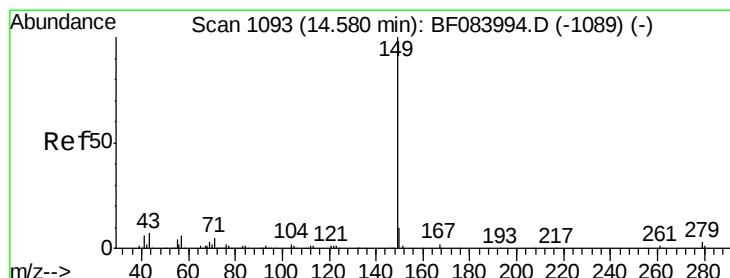
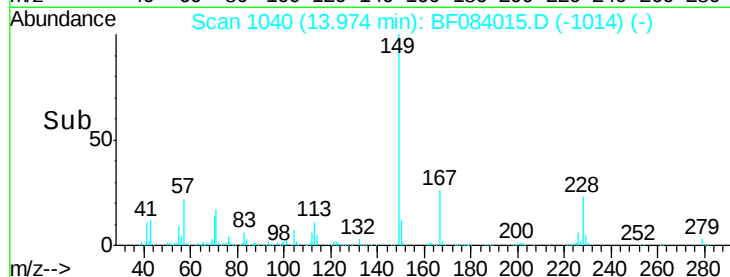
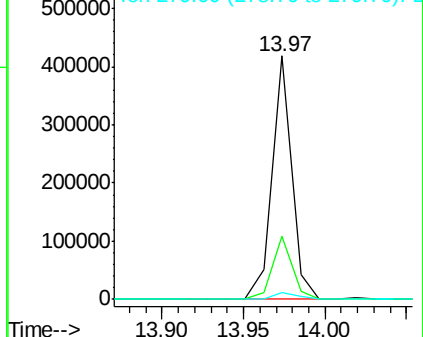
279 3.0 1.8 2.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 54.64 ng

RT: 14.58 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

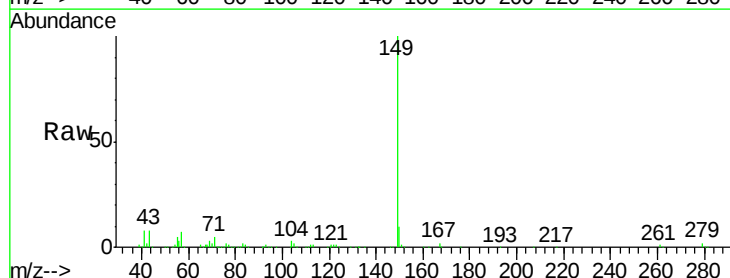
Tgt Ion:149 Resp: 567183

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

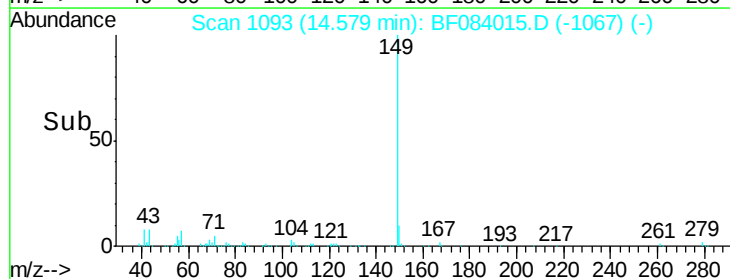
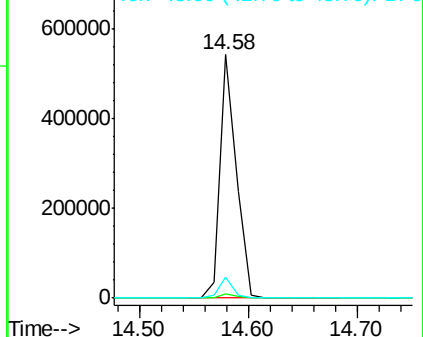
43 7.3 5.6 8.4

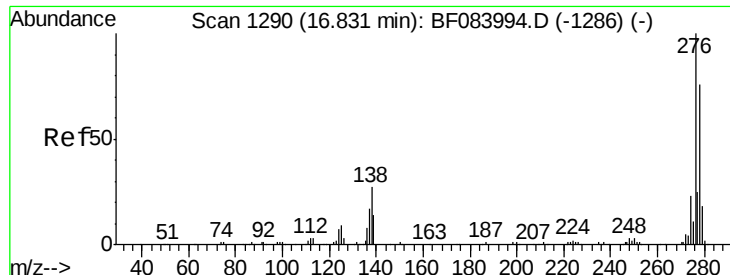


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 44.96 ng

RT: 16.84 min Scan# 1291

Delta R.T. 0.01 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

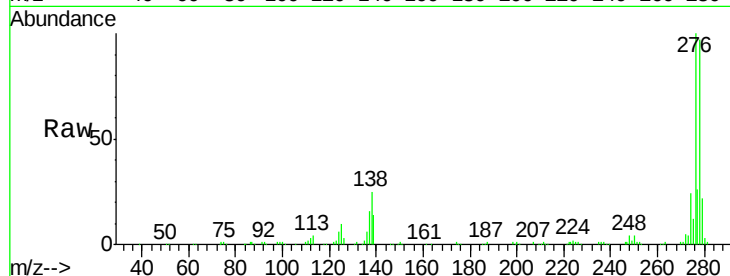
Tot Ion:276 Resp: 310588

Ion Ratio Lower Upper

276 100

138 25.6 20.6 30.8

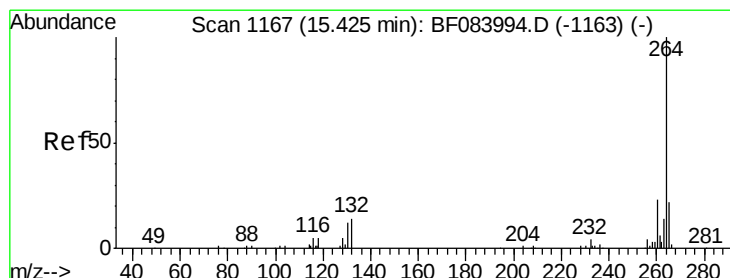
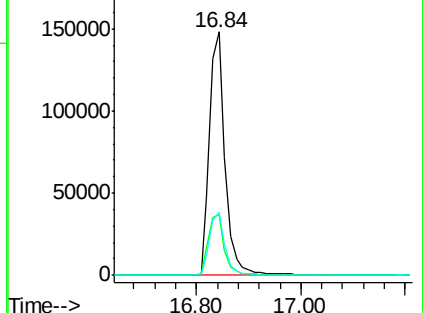
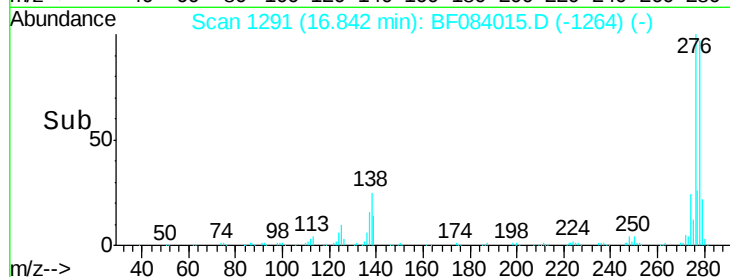
277 25.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

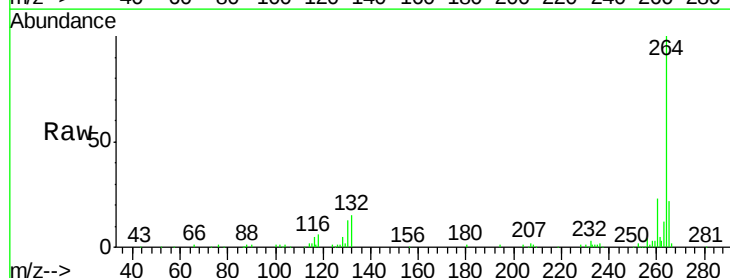
Tgt Ion:264 Resp: 111045

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.2

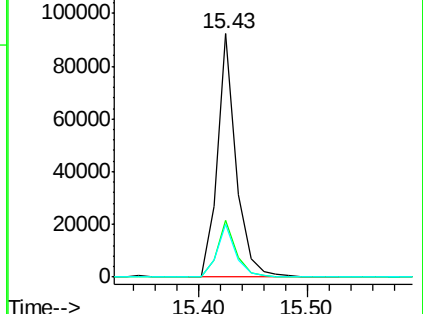
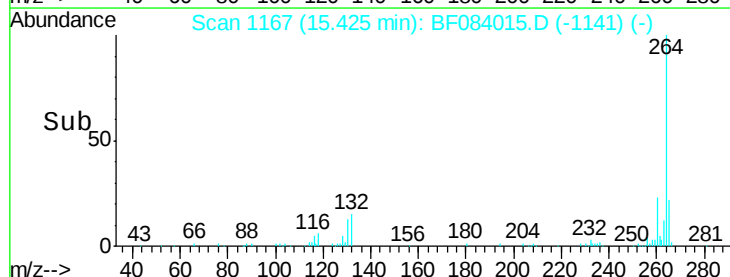
265 21.9 17.8 26.6

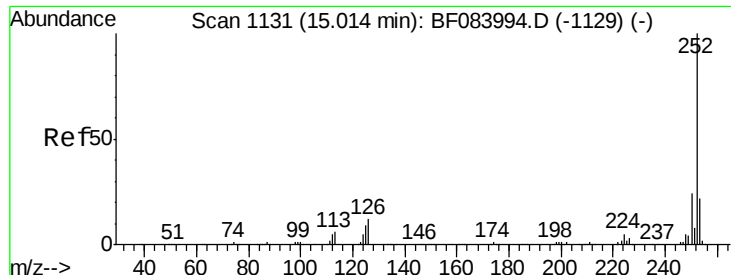


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

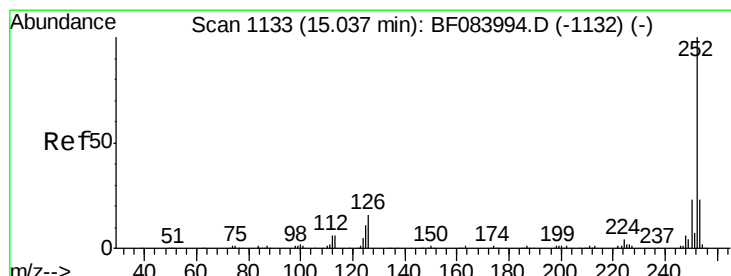
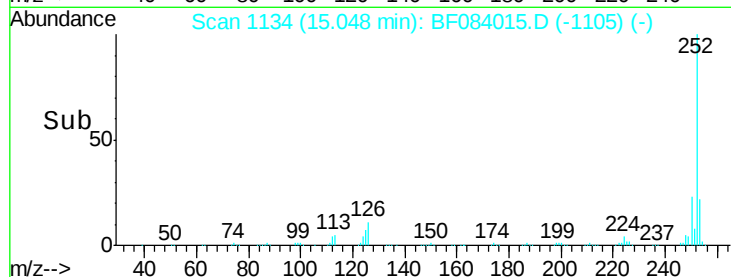
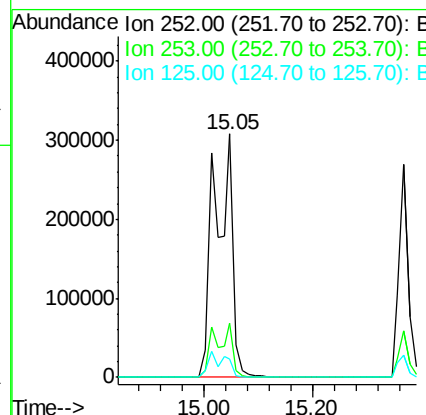
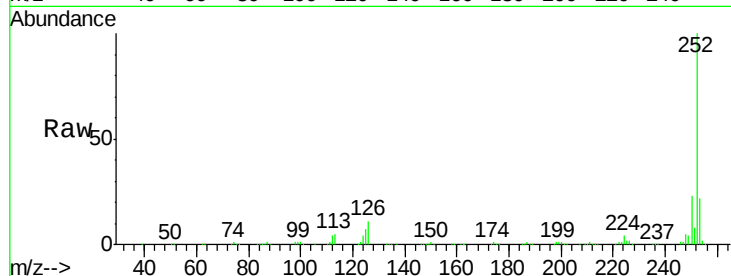




#87
Benzo(b)fluoranthene
Concen: 102.89 ng
RT: 15.05 min Scan# 1134
Delta R.T. 0.03 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

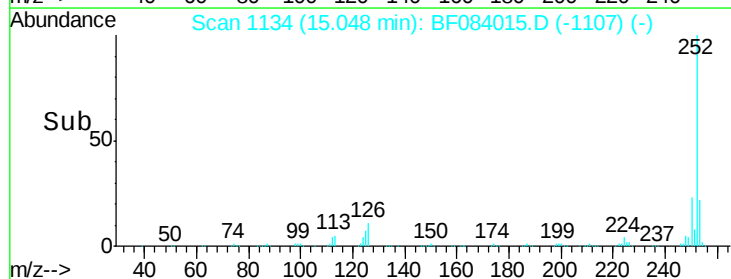
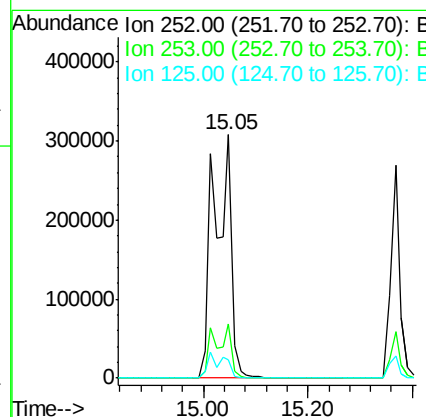
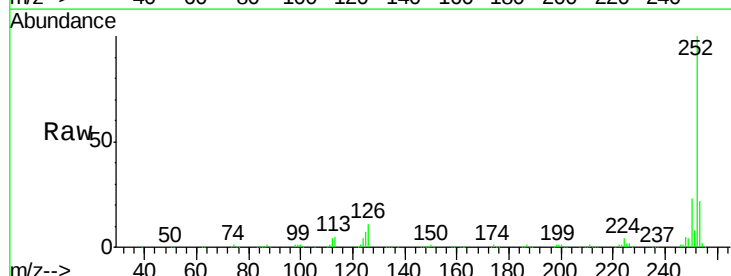
Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

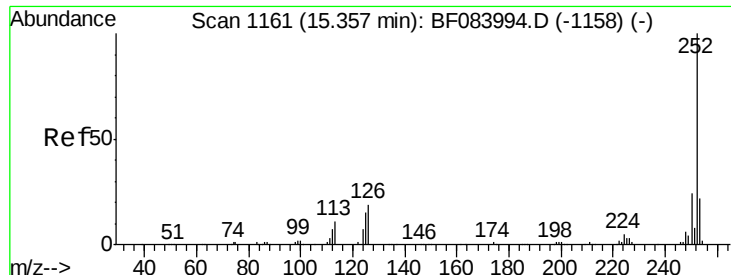
Tot Ion:252 Resp: 720260
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 7.4 6.5 9.7



#88
Benzo(k)fluoranthene
Concen: 108.18 ng
RT: 15.05 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion:252 Resp: 720227
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 7.4 9.0 13.6#

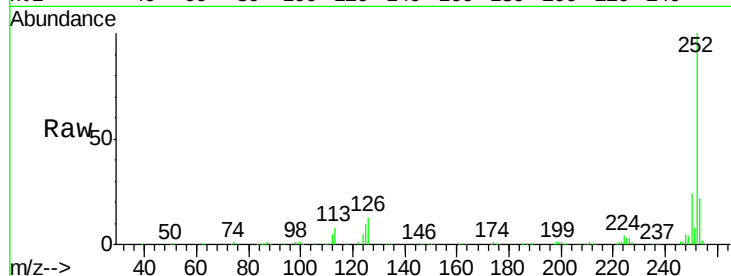




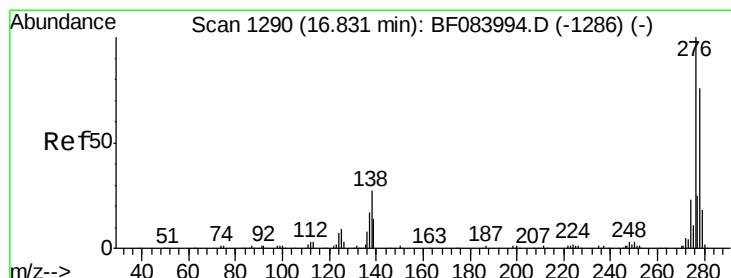
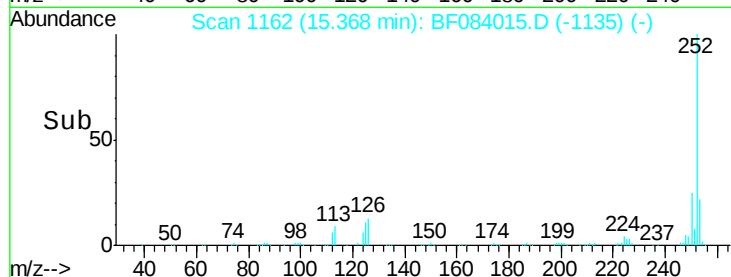
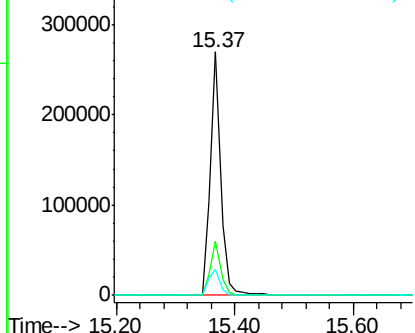
#89
Benzo(a)pyrene
Concen: 50.92 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Instrument :
BNA_F
ClientSampleId :
20151214MGP209BRV46.5MSD

Tot Ion:252 Resp: 330159
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 10.5 7.0 10.4#

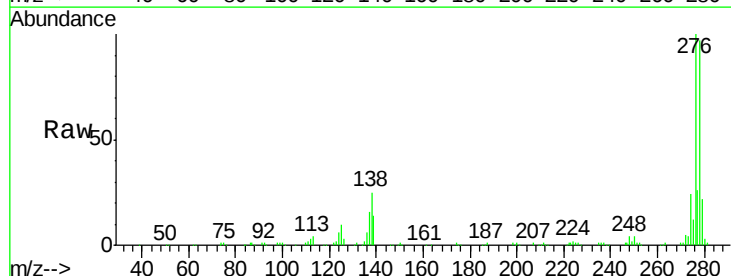


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

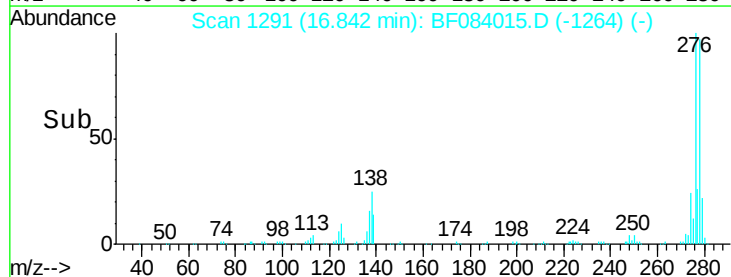
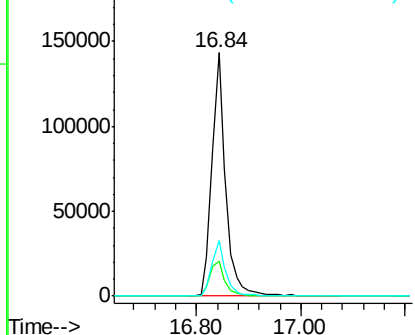


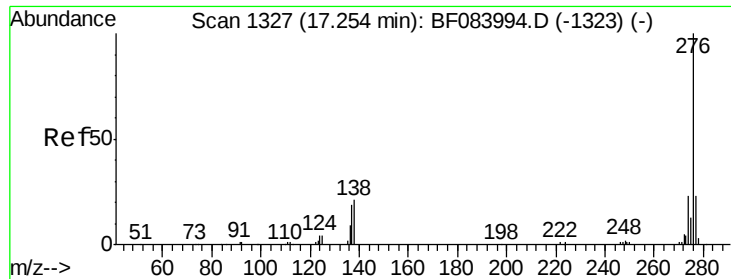
#90
Dibenzo(a,h)anthracene
Concen: 49.07 ng
RT: 16.84 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BF084015.D
Acq: 23 Dec 2015 3:48

Tgt Ion:278 Resp: 263641
Ion Ratio Lower Upper
278 100
139 14.4 15.0 22.4#
279 22.7 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 46.68 ng

RT: 17.27 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF084015.D

Acq: 23 Dec 2015 3:48

Instrument :

BNA_F

ClientSampleId :

20151214MGP209BRV46.5MSD

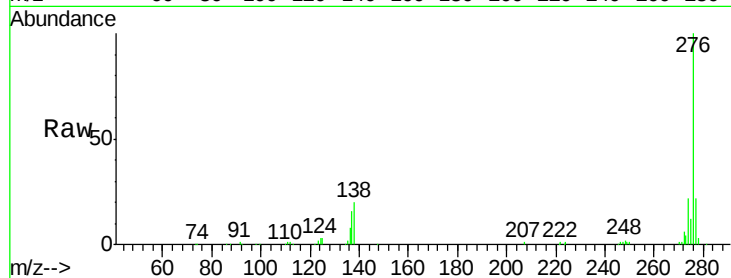
Tot Ion: 276 Resp: 253663

Ion Ratio Lower Upper

276 100

277 22.1 18.8 28.2

138 19.6 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

