

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087236.D
 Acq On : 20 May 2016 20:55
 Operator : UM/SJ
 Sample : PB90711BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

Quant Time: May 20 23:25:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	141510	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	611928	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	298433	20.00	ng	-0.06
63) Phenanthrene-d10	11.07	188	579512	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	394374	20.00	ng	-0.07
86) Perylene-d12	15.04	264	317275	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	862943	102.50	ng	-0.06
7) Phenol-d6	6.23	99	1059192	93.80	ng	-0.06
23) Nitrobenzene-d5	7.13	82	789531	64.30	ng	-0.06
41) 2,4,6-Tribromophenol	10.39	330	324566	98.42	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	1282518	71.17	ng	-0.06
78) Terphenyl-d14	12.65	244	1273053	73.02	ng	-0.06

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.04	88	105148	24.28	ng	# 56
3) Pyridine	2.66	79	257480	24.58	ng	# 66
4) n-Nitrosodimethylamine	2.63	42	238571	32.14	ng	# 51
6) Aniline	6.23	93	239039	16.67	ng	# 68
8) 2-Chlorophenol	6.34	128	335816	32.78	ng	# 79
9) Benzaldehyde	6.11	77	61730	8.02	ng	98
10) Phenol	6.24	94	433128	30.51	ng	# 64
11) bis(2-Chloroethyl)ether	6.31	93	346571	32.52	ng	93
12) 1,3-Dichlorobenzene	6.73	146	301787	27.72	ng	99
13) 1,4-Dichlorobenzene	6.73	146	306091	27.47	ng	98
14) 1,2-Dichlorobenzene	6.73	146	308531	31.63	ng	96
15) Benzyl Alcohol	6.73	79	301200	35.83	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.86	45	666407	30.41	ng	66
17) 2-Methylphenol	6.86	107	276576	32.88	ng	# 78
18) Hexachloroethane	7.06	117	136443	32.04	ng	94
19) n-Nitroso-di-n-propylamine	6.99	70	295207	34.39	ng	# 73
20) 3+4-Methylphenols	7.02	107	396927	35.77	ng	# 59
22) Acetophenone	6.98	105	479291	32.01	ng	# 98
24) Nitrobenzene	7.15	77	406032	30.29	ng	97
25) Isophorone	7.39	82	727227	32.36	ng	97
26) 2-Nitrophenol	7.47	139	184428	33.21	ng	# 80
27) 2,4-Dimethylphenol	7.53	122	310667	32.78	ng	# 85
28) bis(2-Chloroethoxy)methane	7.61	93	417303	33.82	ng	# 98
29) 2,4-Dichlorophenol	7.72	162	305648	36.60	ng	97
30) 1,2,4-Trichlorobenzene	7.79	180	306694	33.09	ng	98
31) Naphthalene	7.86	128	959841	32.10	ng	99
32) Benzoic acid	7.70	122	165881	29.36	ng	# 82
33) 4-Chloroaniline	7.94	127	121042	9.74	ng	# 94
34) Hexachlorobutadiene	7.99	225	181313	34.48	ng	96
35) Caprolactam	8.32	113	53311	19.17	ng	# 72
36) 4-Chloro-3-methylphenol	8.44	107	355094	35.25	ng	92
37) 2-Methylnaphthalene	8.56	142	672352	35.16	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.73	216	284154	32.60	ng	98
40) Hexachlorocyclopentadiene	8.71	237	214041	65.20	ng	95

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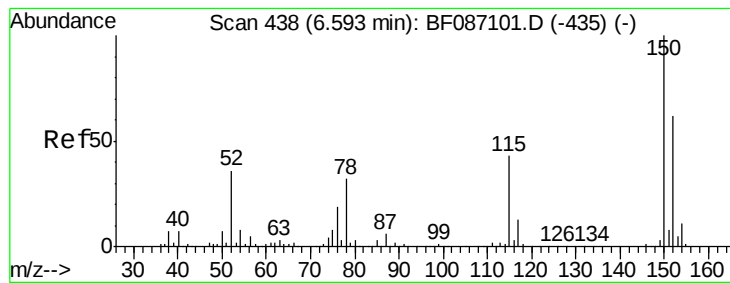
Instrument :
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42) 2,4,6-Trichlorophenol	8.86	196	182638	32.31	ng	93
43) 2,4,5-Trichlorophenol	8.90	196	197139	33.57	ng	# 94
45) 1,1'-Biphenyl	9.03	154	843909	34.10	ng	99
46) 2-Chloronaphthalene	9.05	162	609379	32.08	ng	96
47) 2-Nitroaniline	9.15	65	237804	32.67	ng	# 66
48) Acenaphthylene	9.45	152	910661	31.39	ng	99
49) Dimethylphthalate	9.34	163	773793	33.99	ng	100
50) 2,6-Dinitrotoluene	9.40	165	184279	37.28	ng	95
51) Acenaphthene	9.62	154	566492	31.26	ng	98
52) 3-Nitroaniline	9.58	138	79230	14.81	ng	98
53) 2,4-Dinitrophenol	9.69	184	158509	57.39	ng	# 85
54) Dibenzofuran	9.79	168	831364	35.48	ng	# 88
55) 4-Nitrophenol	9.79	139	544275	109.30	ng	# 25
56) 2,4-Dinitrotoluene	9.80	165	207579	32.79	ng	# 63
57) Fluorene	10.14	166	620749	32.97	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.93	232	181229	39.62	ng	95
59) Diethylphthalate	10.03	149	790191	36.36	ng	98
60) 4-Chlorophenyl-phenylether	10.14	204	335292	37.57	ng	89
61) 4-Nitroaniline	10.19	138	175926	33.30	ng	# 76
62) Azobenzene	10.30	77	952104	38.02	ng	88
64) 4,6-Dinitro-2-methylphenol	10.22	198	121010	31.71	ng	# 29
65) n-Nitrosodiphenylamine	10.26	169	638907	35.03	ng	99
66) 4-Bromophenyl-phenylether	10.62	248	192892	32.37	ng	91
67) Hexachlorobenzene	10.68	284	217485	31.48	ng	# 81
68) Atrazine	10.80	200	220163	37.01	ng	94
69) Pentachlorophenol	10.89	266	160131	61.69	ng	98
70) Phenanthrene	11.10	178	1083272	34.47	ng	100
71) Anthracene	11.14	178	1001270	31.50	ng	100
72) Carbazole	11.31	167	974047	33.54	ng	100
73) Di-n-butylphthalate	11.64	149	1243573	37.28	ng	99
74) Fluoranthene	12.27	202	1030947	32.74	ng	95
76) Benzidine	12.41	184	240851	18.67	ng	96
77) Pyrene	12.50	202	1071289	37.60	ng	100
79) Butylbenzylphthalate	13.13	149	510203	42.42	ng	91
80) Benzo(a)anthracene	13.68	228	782303	34.31	ng	100
81) 3,3'-Dichlorobenzidine	13.66	252	156365	10.78	ng	# 97
82) Chrysene	13.73	228	858479	38.91	ng	100
83) Bis(2-ethylhexyl)phthalate	13.69	149	635251	43.40	ng	98
84) Di-n-octyl phthalate	14.30	149	1061898	42.11	ng	# 85
85) Indeno(1,2,3-cd)pyrene	16.27	276	583825	30.15	ng	96
87) Benzo(b)fluoranthene	14.69	252	1306968	62.09	ng	# 96
88) Benzo(k)fluoranthene	14.69	252	1307743	83.46	ng	99
89) Benzo(a)pyrene	14.99	252	602571	34.25	ng	99
90) Dibenzo(a,h)anthracene	16.27	278	504978	34.09	ng	95
91) Benzo(g,h,i)perylene	16.63	276	505669	33.80	ng	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

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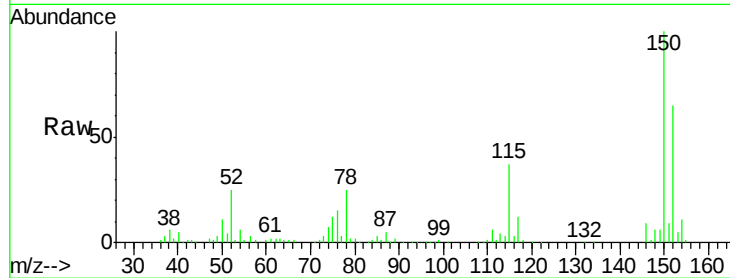
Tgt Ion:152 Resp: 141510

Ion Ratio Lower Upper

152 100

150 154.1 125.8 188.6

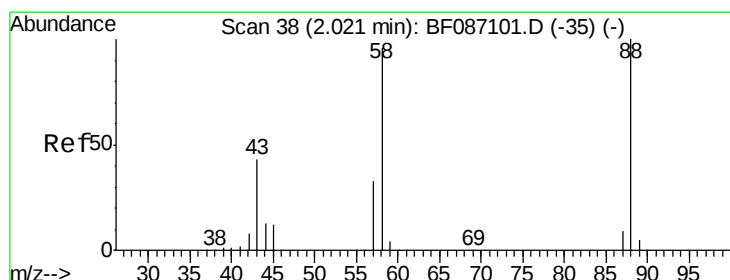
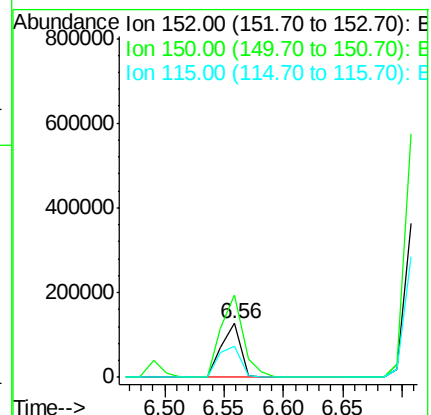
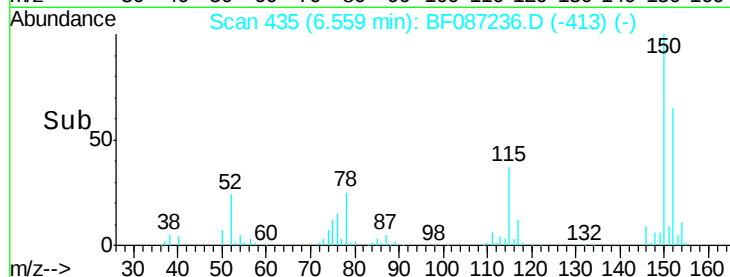
115 57.8 51.5 77.3



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: 24.28 ng

RT: 2.04 min Scan# 40

Delta R.T. -0.01 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

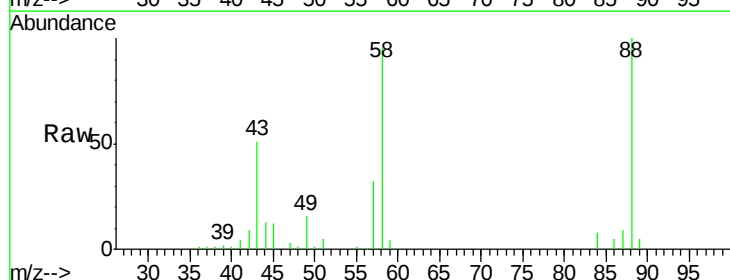
Tgt Ion: 88 Resp: 105148

Ion Ratio Lower Upper

88 100

58 101.5 59.6 89.4#

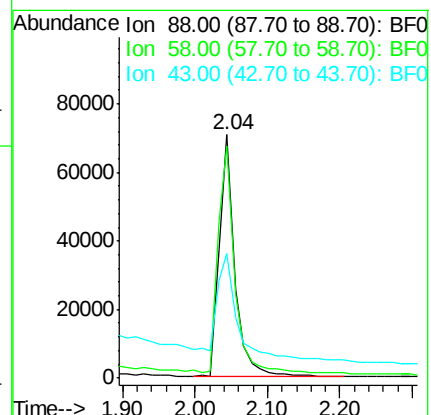
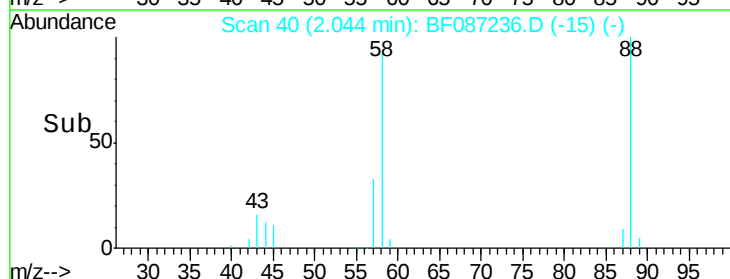
43 67.5 21.8 32.6#

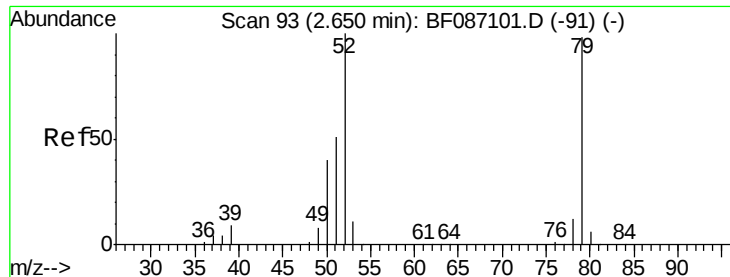


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 24.58 ng

RT: 2.66 min Scan# 94

Delta R.T. -0.02 min

Lab File: BF087236.D

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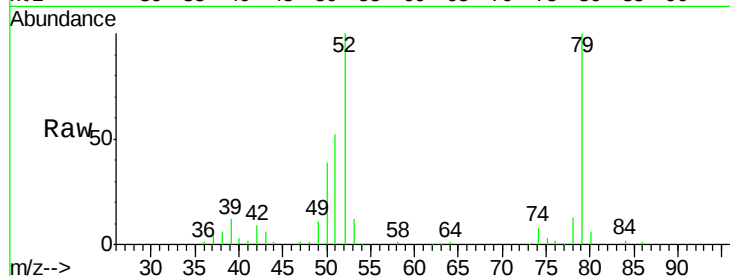
Tgt Ion: 79 Resp: 257480

Ion Ratio Lower Upper

79 100

52 99.6 55.9 83.9#

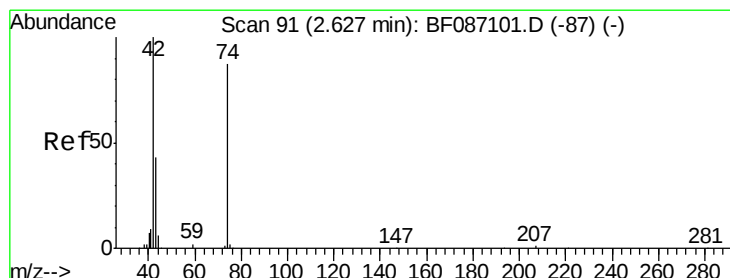
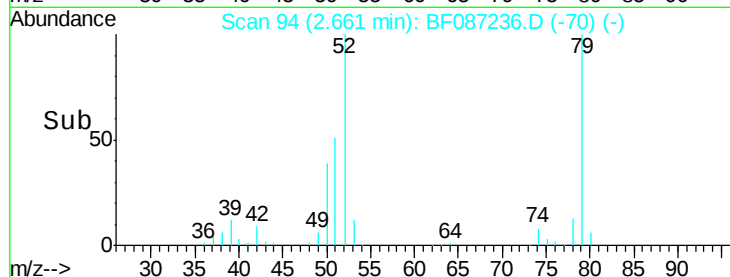
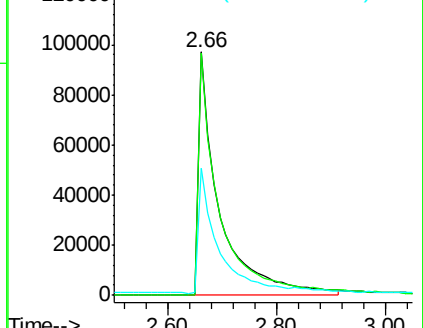
51 52.2 28.1 42.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 32.14 ng

RT: 2.63 min Scan# 91

Delta R.T. -0.03 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

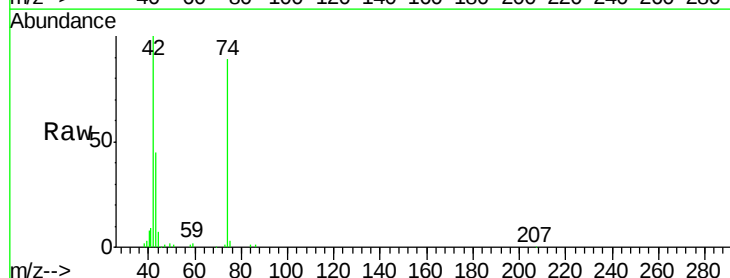
Tgt Ion: 42 Resp: 238571

Ion Ratio Lower Upper

42 100

74 88.5 123.4 185.0#

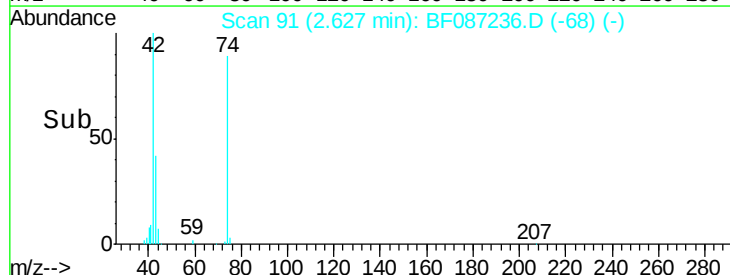
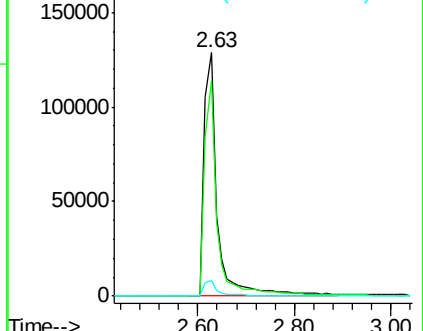
44 6.6 5.8 8.6

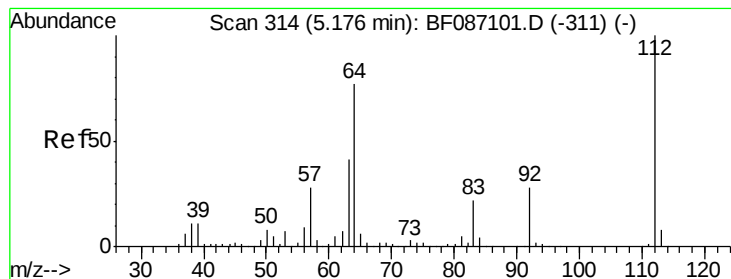


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 102.50 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.06 min

Lab File: BF087236.D

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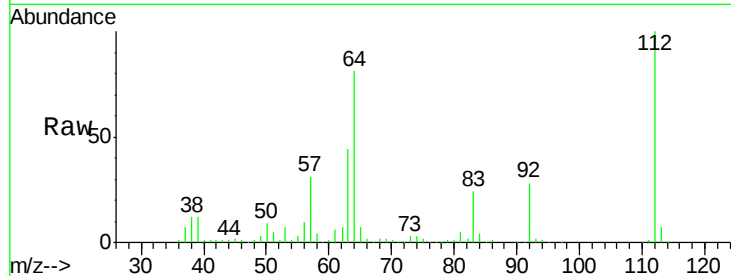
Tgt Ion: 112 Resp: 862943

Ion Ratio Lower Upper

112 100

64 80.7 52.1 78.1#

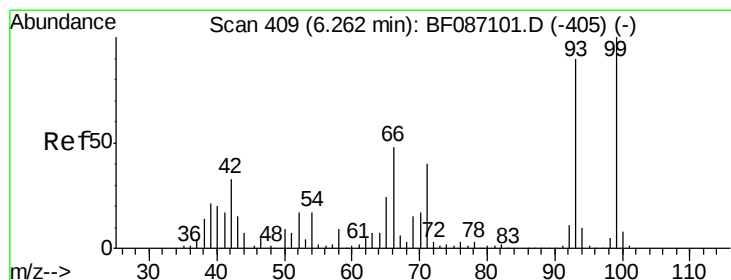
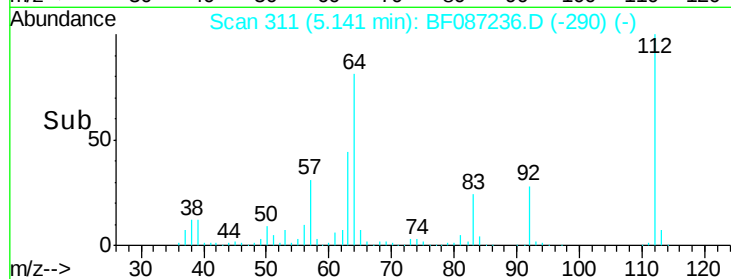
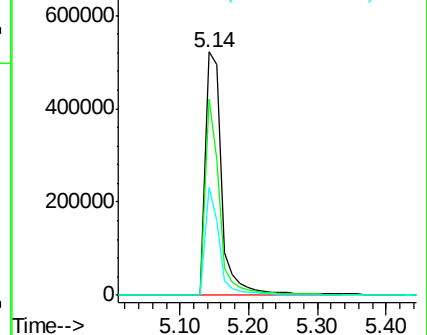
63 44.4 25.7 38.5#



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: 16.67 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

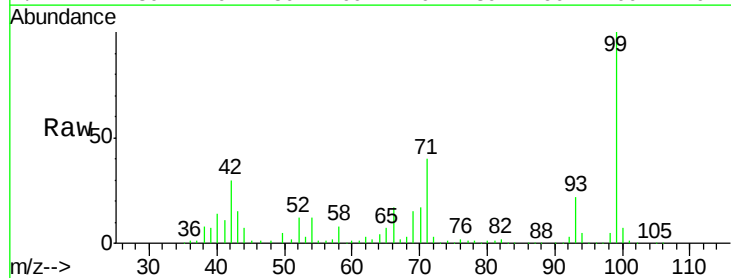
Tgt Ion: 93 Resp: 239039

Ion Ratio Lower Upper

93 100

66 77.1 39.0 58.6#

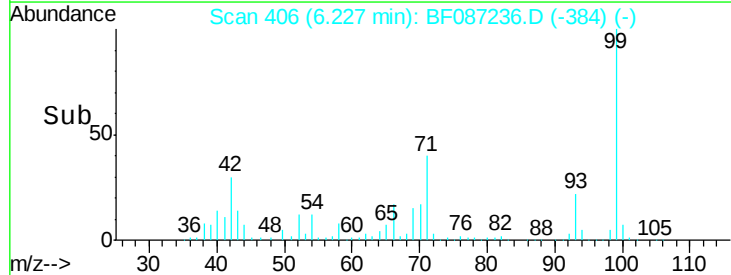
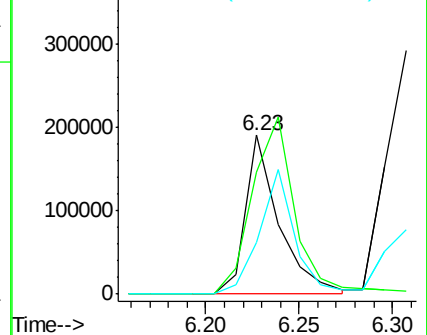
65 32.1 20.6 31.0#

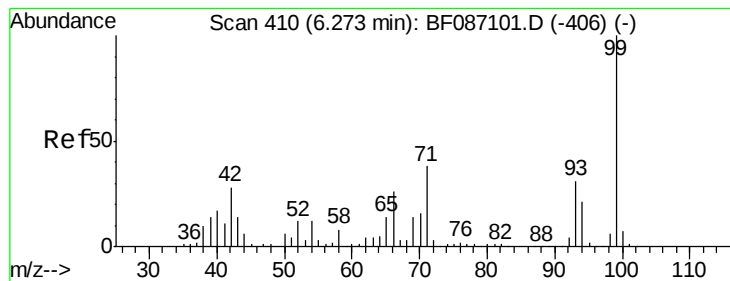


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 93.80 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

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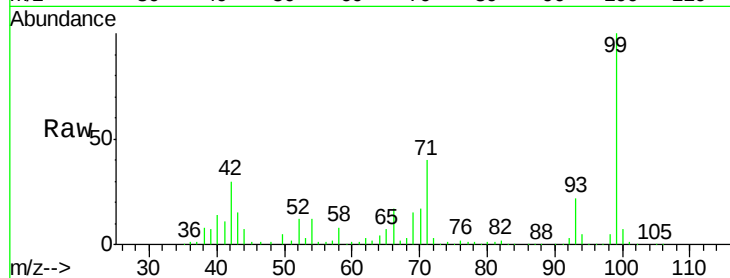
Tgt Ion: 99 Resp: 1059192

Ion Ratio Lower Upper

99 100

42 29.8 13.6 20.4#

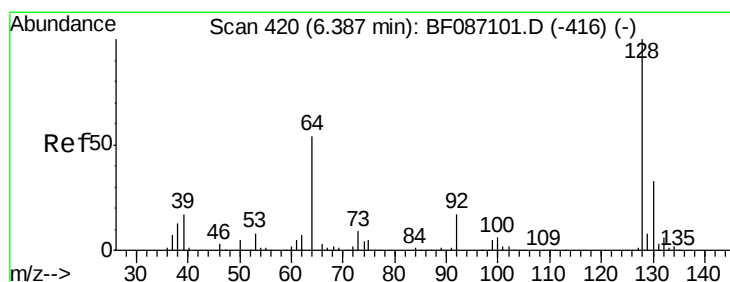
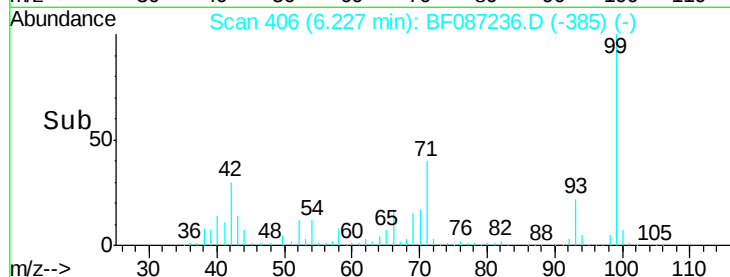
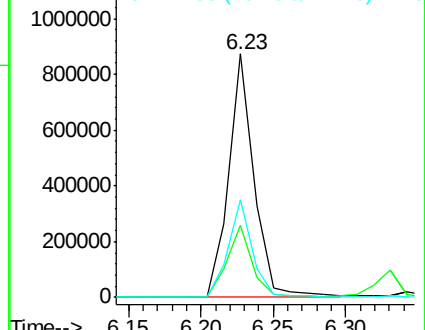
71 40.1 24.6 36.8#



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: 32.78 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.06 min

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Acq: 20 May 2016 20:55

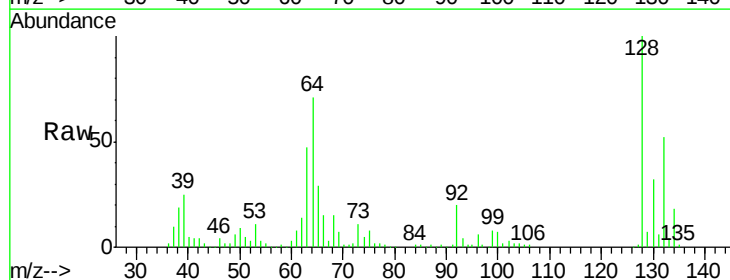
Tgt Ion: 128 Resp: 335816

Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

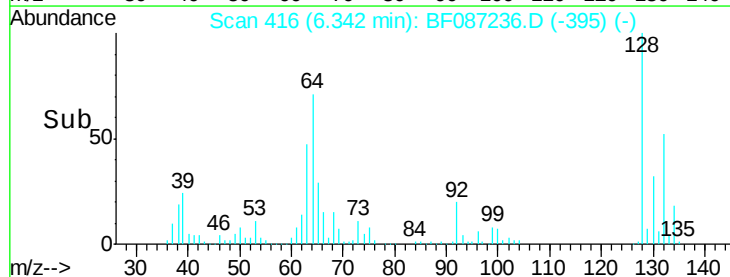
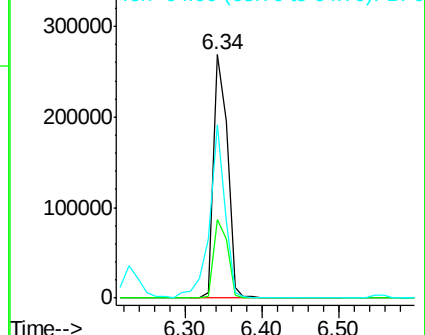
64 71.2 27.3 67.3#

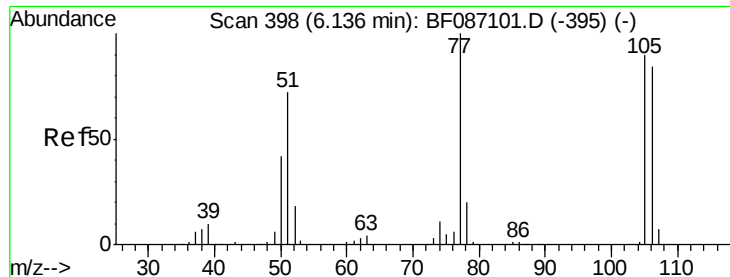


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 8.02 ng

RT: 6.11 min Scan# 396

Delta R.T. -0.03 min

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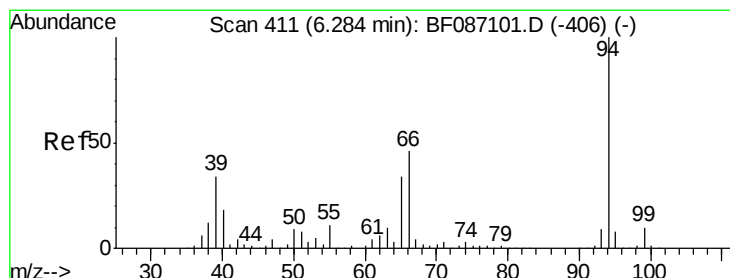
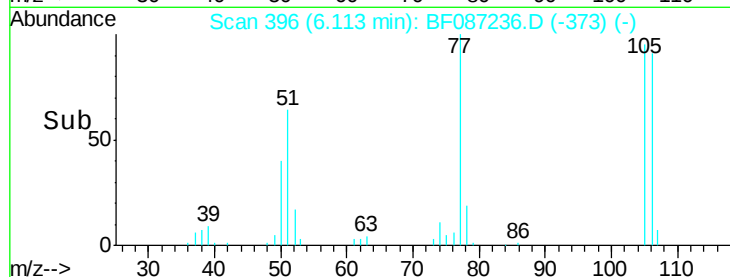
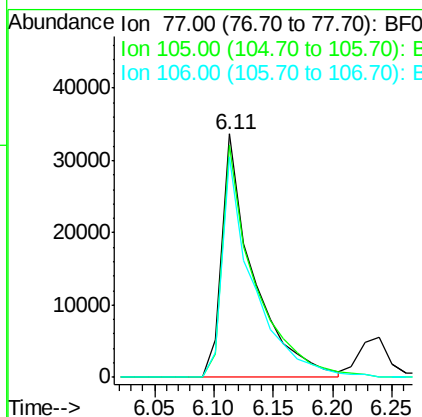
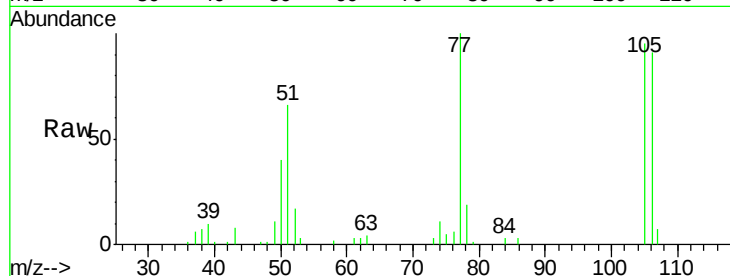
Tgt Ion: 77 Resp: 61730

Ion Ratio Lower Upper

77 100

105 95.4 72.7 112.7

106 90.6 70.8 110.8



#10

Phenol

Concen: 30.51 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.06 min

Lab File: BF087236.D

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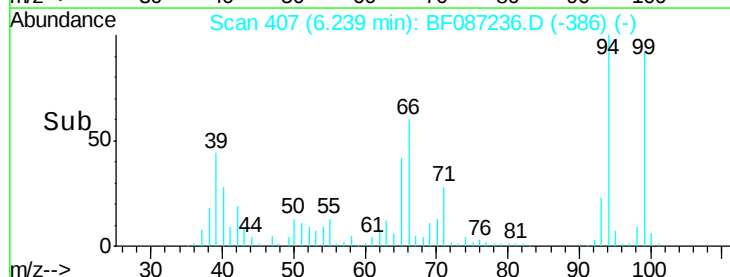
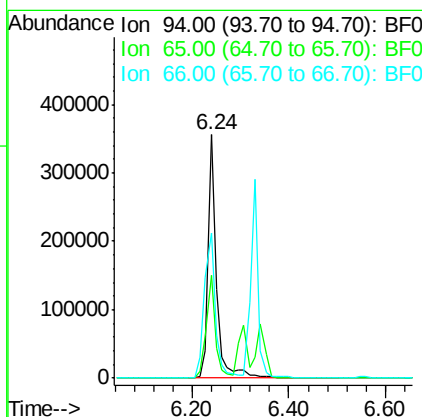
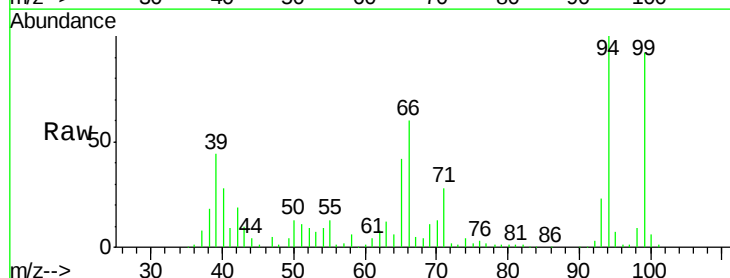
Tgt Ion: 94 Resp: 433128

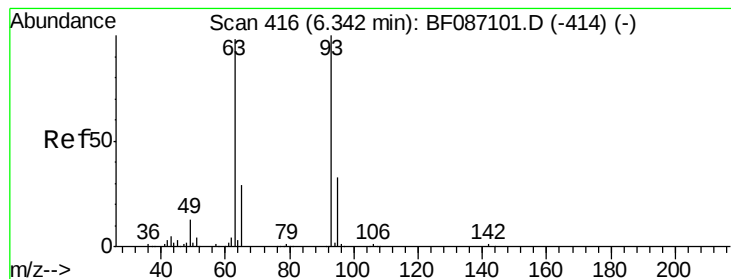
Ion Ratio Lower Upper

94 100

65 42.1 7.2 47.2

66 59.6 14.9 54.9#





#11

bis(2-Chloroethyl)ether

Concen: 32.52 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

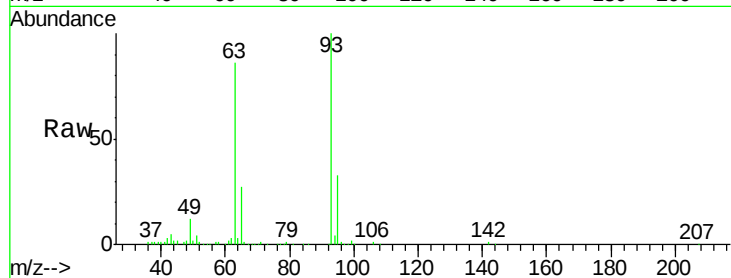
Tgt Ion: 93 Resp: 346571

Ion Ratio Lower Upper

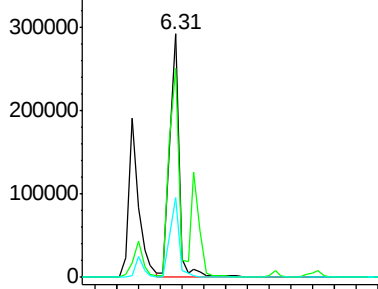
93 100

63 85.9 58.0 98.0

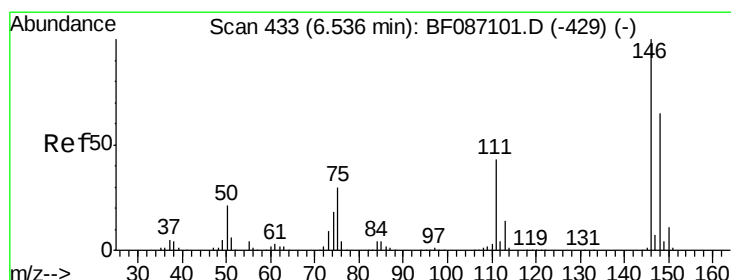
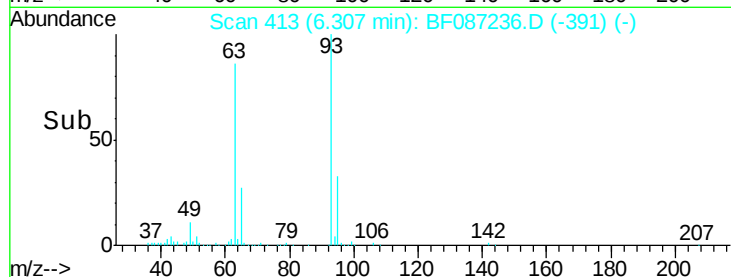
95 32.7 11.9 51.9



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0



Time-->



#12

1,3-Dichlorobenzene

Concen: 27.72 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.18 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

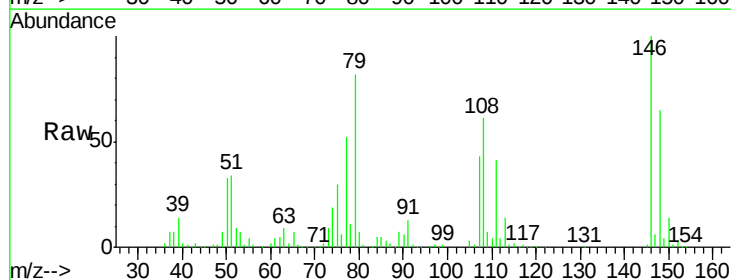
Tgt Ion: 146 Resp: 301787

Ion Ratio Lower Upper

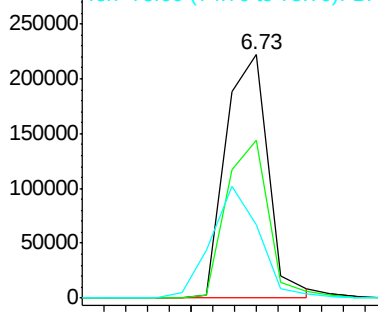
146 100

148 64.9 52.4 78.6

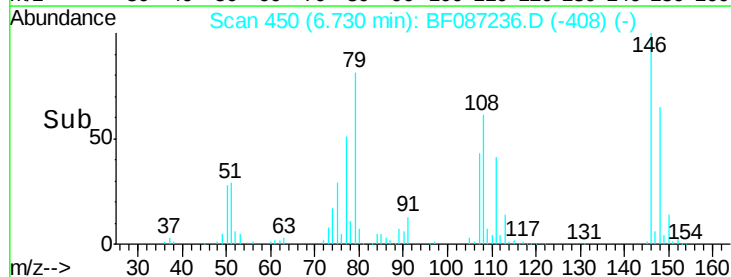
75 30.0 22.8 34.2

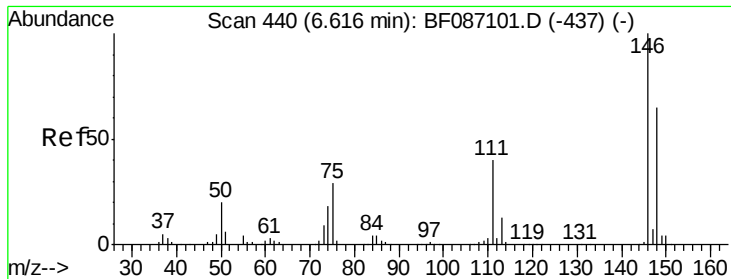


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



Time-->

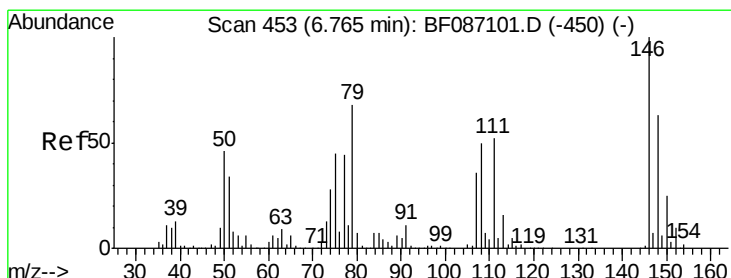
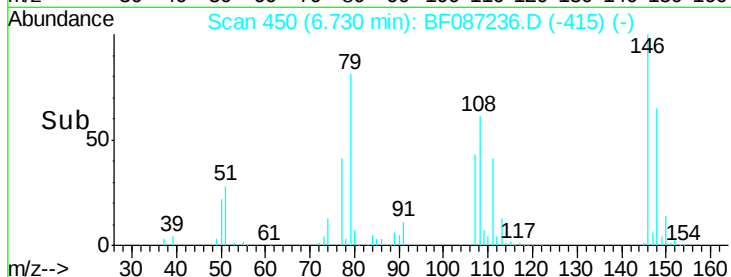
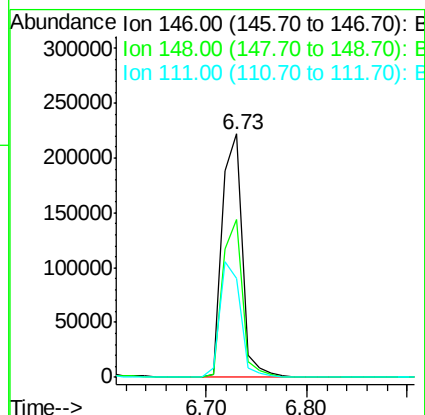
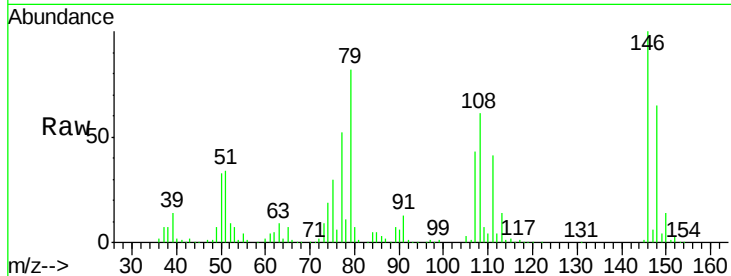




#13
 1,4-Dichlorobenzene
 Concen: 27.47 ng
 RT: 6.73 min Scan# 450
 Delta R.T. 0.10 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

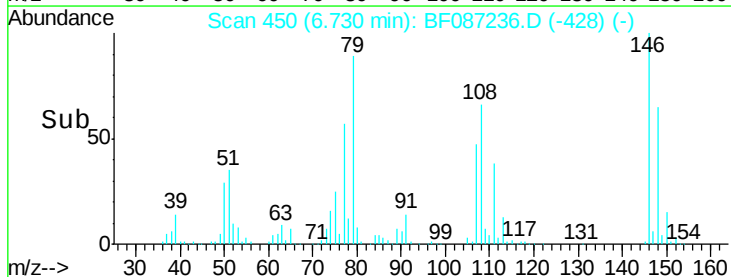
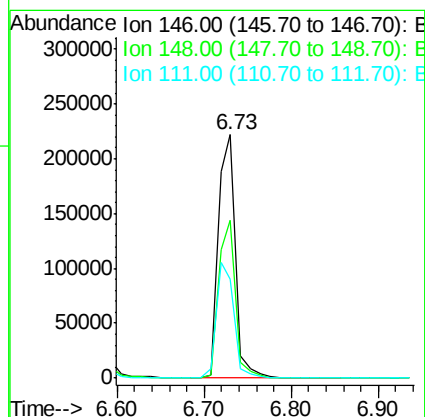
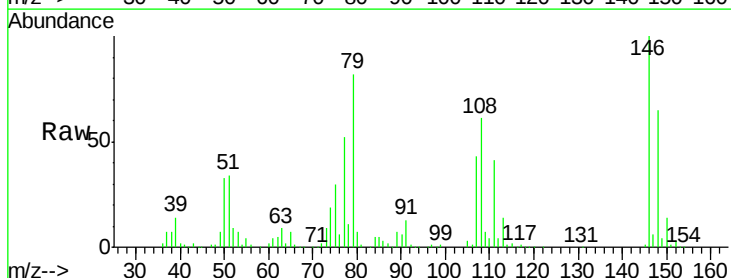
Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

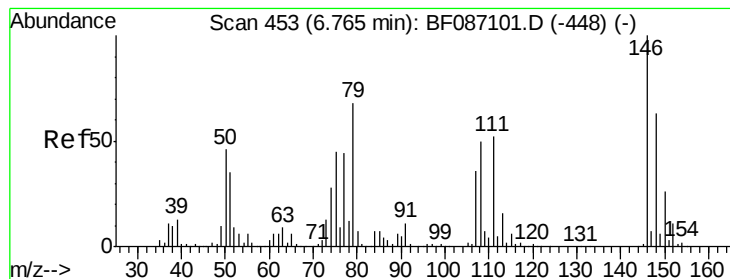
Tgt Ion:146 Resp: 306091
 Ion Ratio Lower Upper
 146 100
 148 64.9 52.2 78.4
 111 40.9 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 31.63 ng
 RT: 6.73 min Scan# 450
 Delta R.T. -0.05 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion:146 Resp: 308531
 Ion Ratio Lower Upper
 146 100
 148 64.9 51.0 76.6
 111 40.9 36.2 54.4





#15

Benzyl Alcohol

Concen: 35.83 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

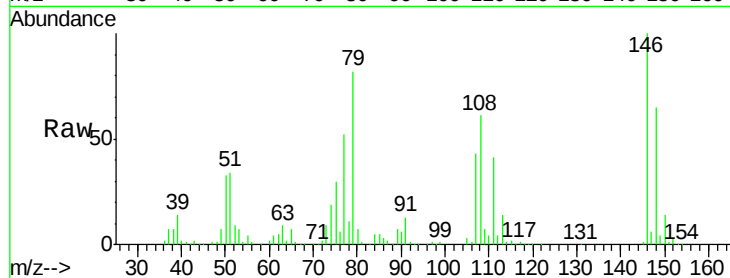
Tgt Ion: 79 Resp: 301200

Ion Ratio Lower Upper

79 100

108 74.6 68.4 102.6

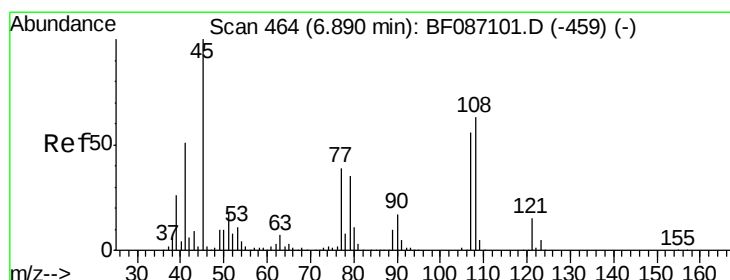
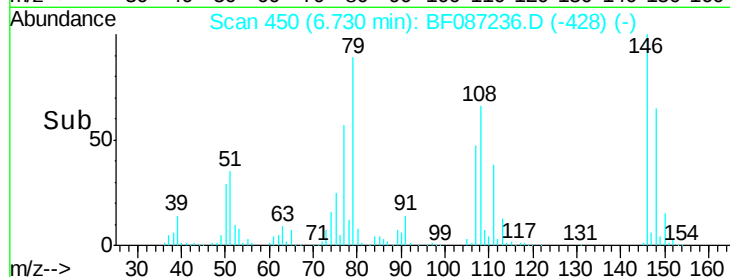
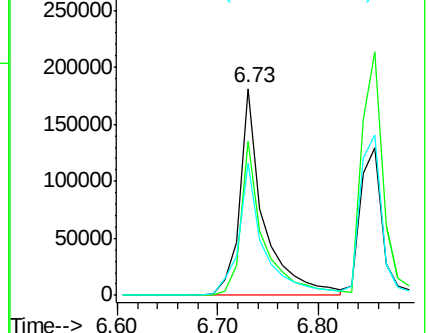
77 63.8 50.6 76.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.41 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

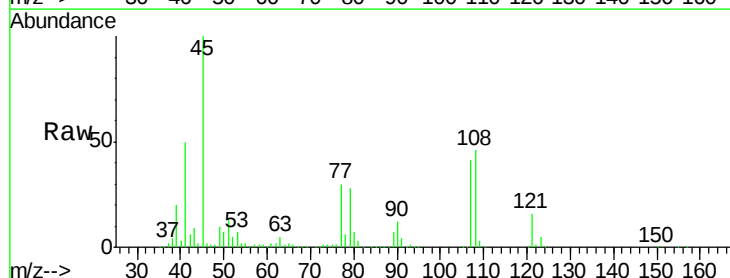
Tgt Ion: 45 Resp: 666407

Ion Ratio Lower Upper

45 100

77 30.3 0.0 36.4

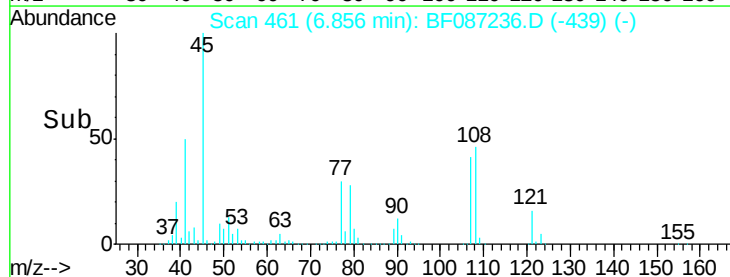
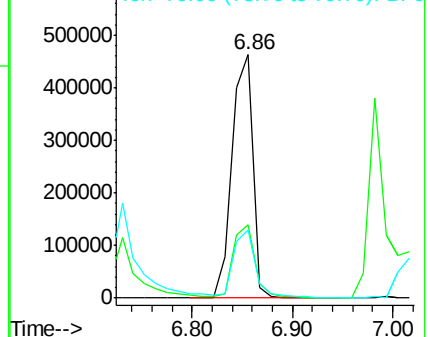
79 28.0 0.0 33.4

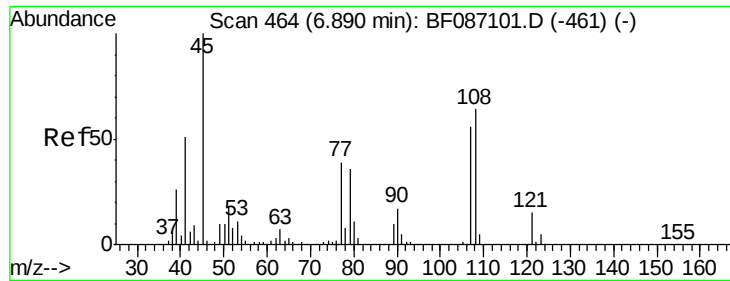


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 32.88 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleID :

PB90711BS

Tgt Ion:107 Resp: 276576

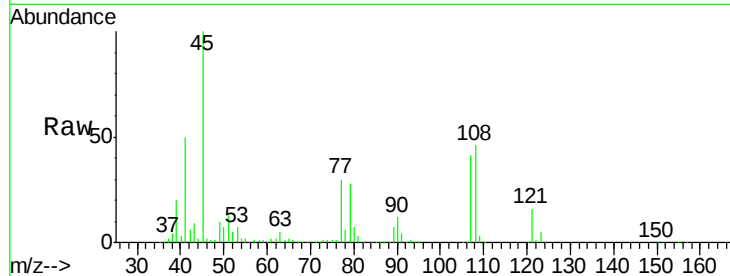
Ion Ratio Lower Upper

107 100

108 111.7 93.7 140.5

77 73.5 33.4 50.0#

79 67.9 34.3 51.5#

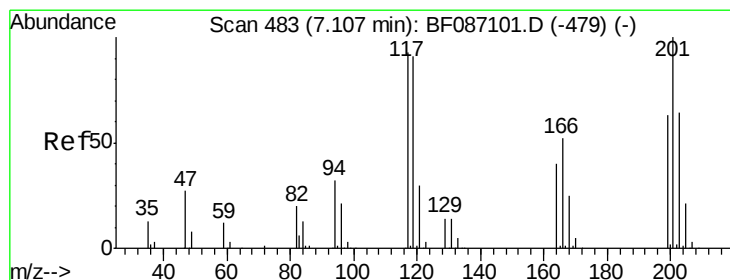
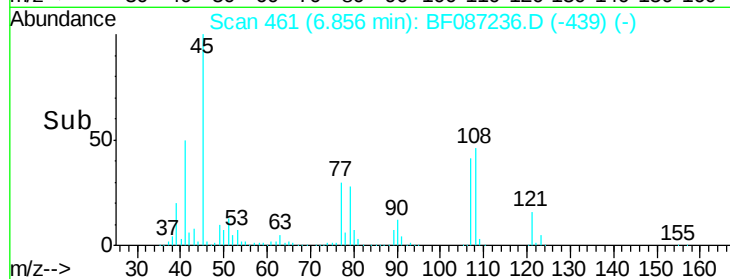
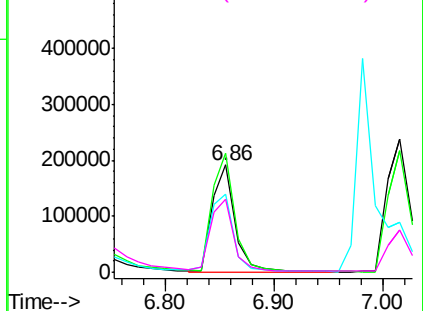


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 32.04 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

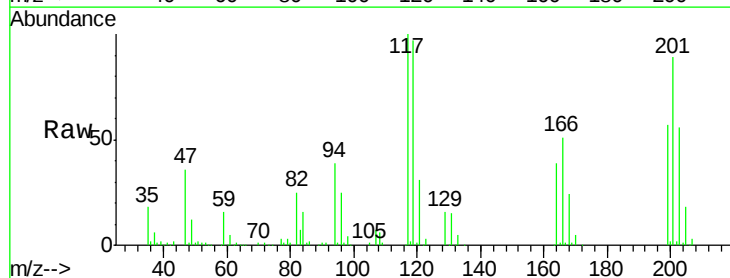
Tgt Ion:117 Resp: 136443

Ion Ratio Lower Upper

117 100

119 96.8 76.5 114.7

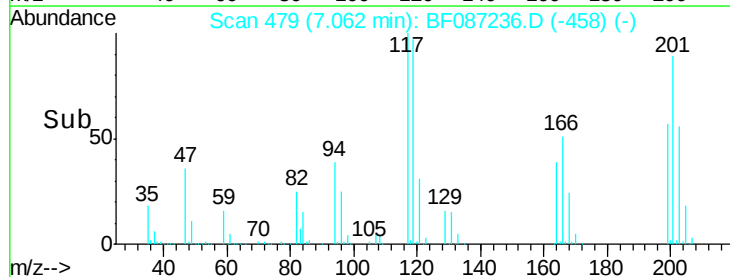
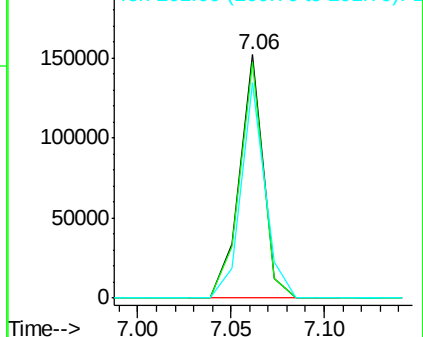
201 88.6 63.0 94.6

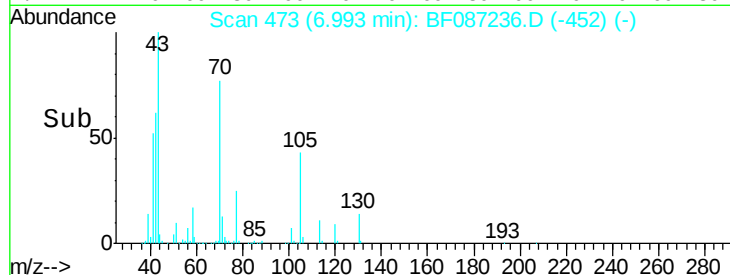
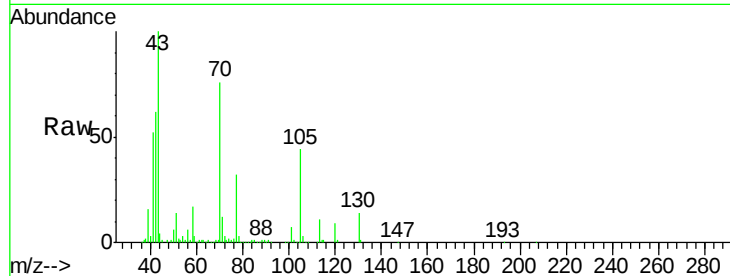


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

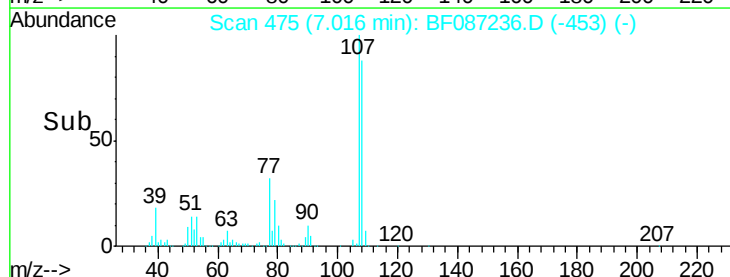
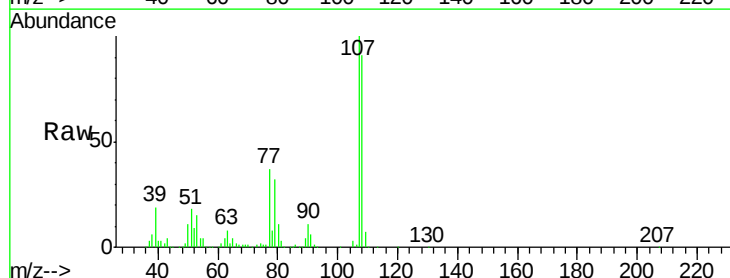
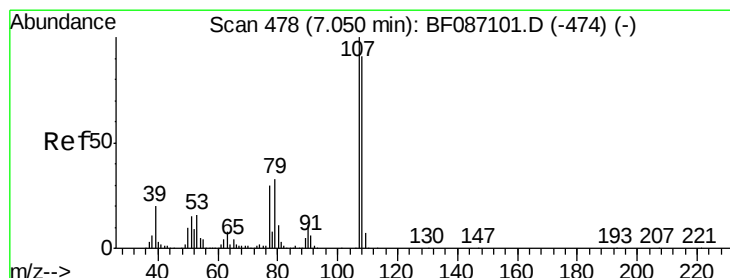
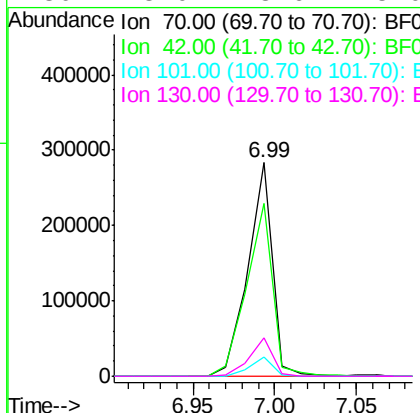




#19
n-Nitroso-di-n-propylamine
Concen: 34.39 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.06 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

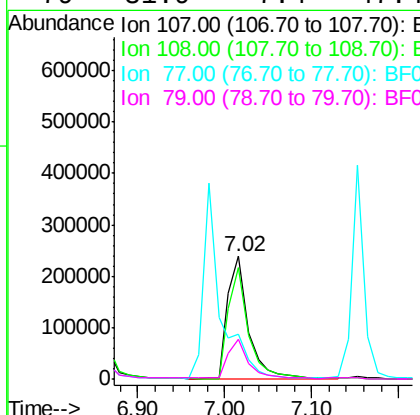
Instrument :
BNA_F
ClientSampleId :
PB90711BS

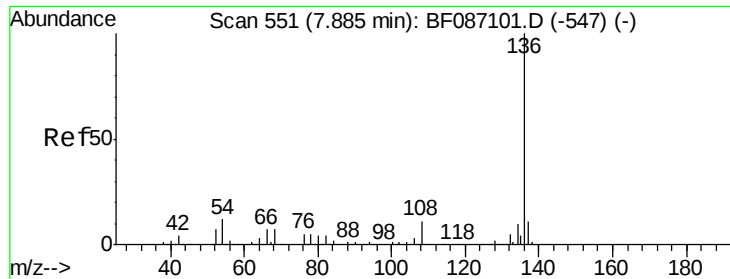
Tgt Ion	Ratio	Lower	Upper
70	100		
42	81.0	43.1	64.7#
101	8.8	8.1	12.1
130	18.0	18.6	28.0#



#20
3+4-Methylphenols
Concen: 35.77 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.05 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.9	68.5	108.5
77	37.0	101.6	141.6#
79	31.9	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

Tgt Ion:136 Resp: 611928

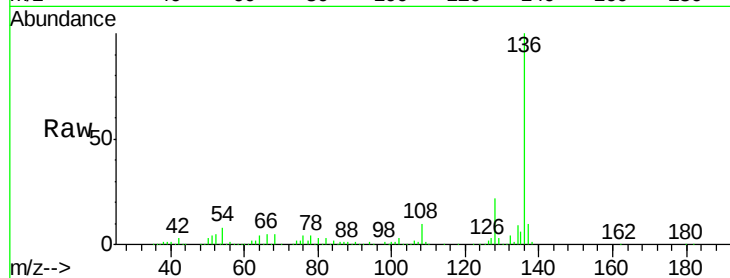
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 8.3 5.0 7.4#

68 4.6 4.4 6.6

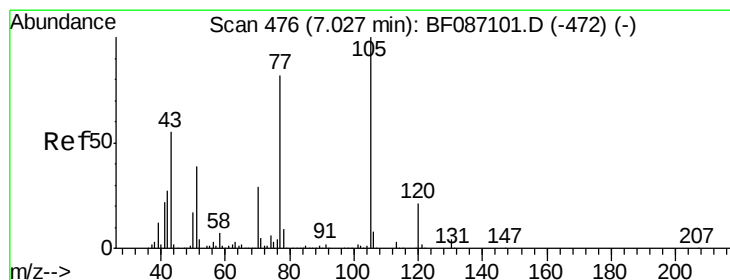
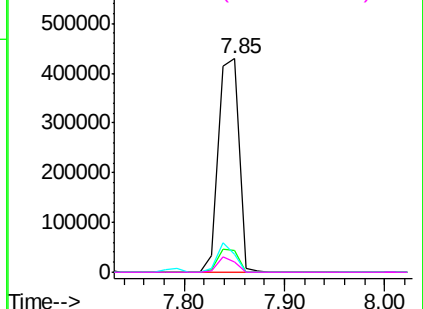
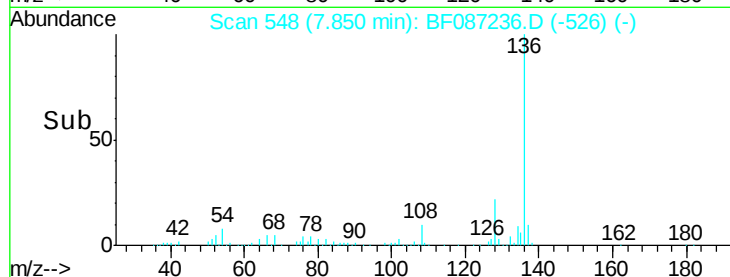


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.01 ng

RT: 6.98 min Scan# 472

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Tgt Ion:105 Resp: 479291

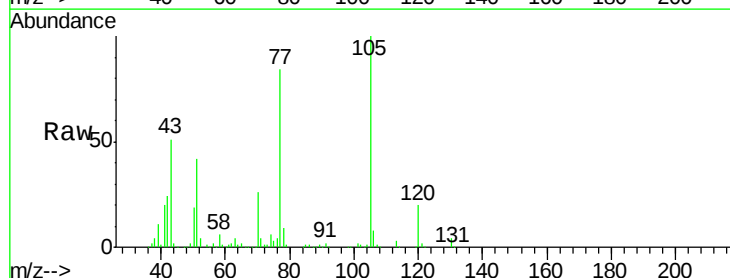
Ion Ratio Lower Upper

105 100

71 4.2 4.8 7.2#

51 41.9 32.6 49.0

120 20.0 16.5 24.7

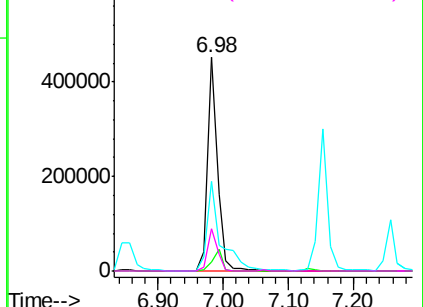
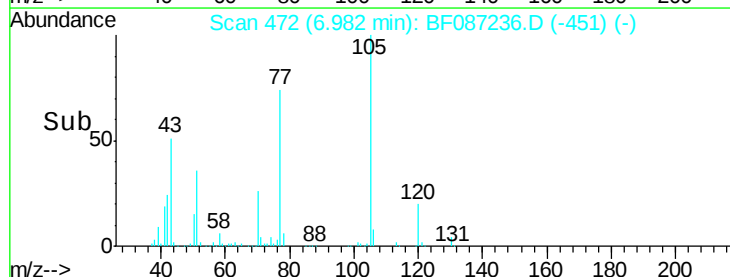


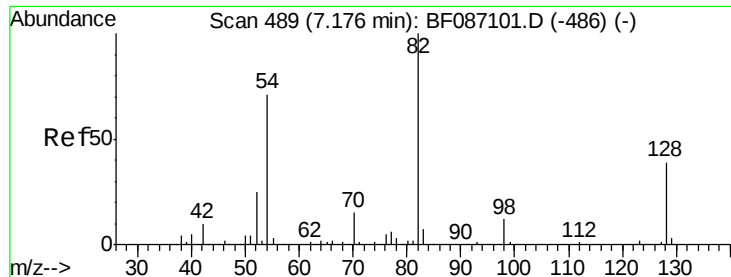
Abundance Ion 105.00 (104.70 to 105.70): E

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

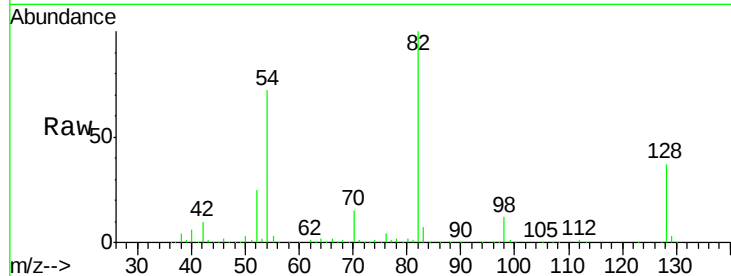




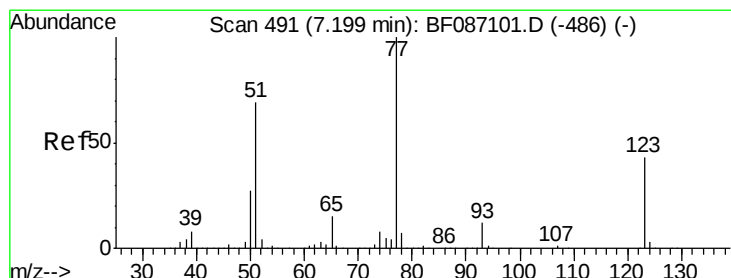
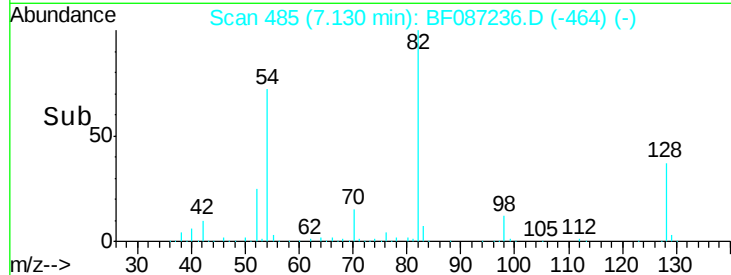
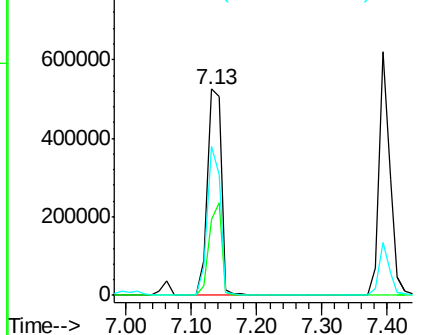
#23
 Nitrobenzene-d5
 Concen: 64.30 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

Tgt Ion: 82 Resp: 789531
 Ion Ratio Lower Upper
 82 100
 128 37.0 40.6 61.0#
 54 72.4 38.1 57.1#

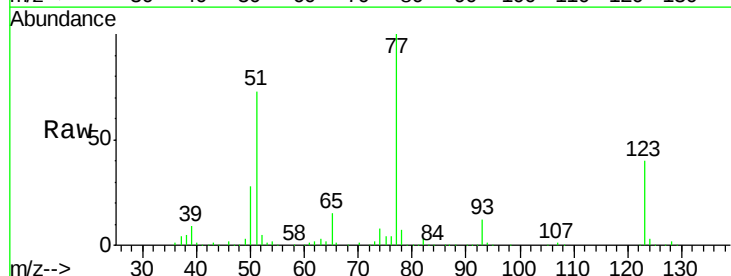


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

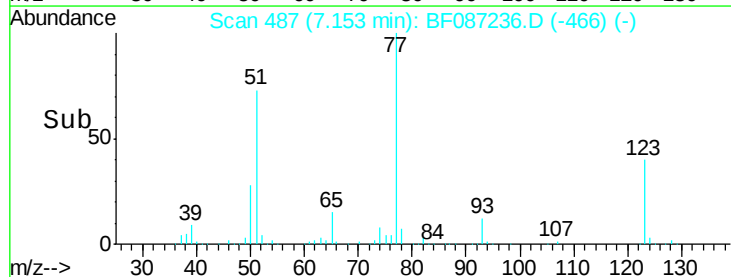
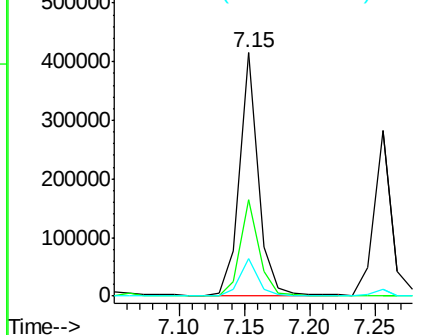


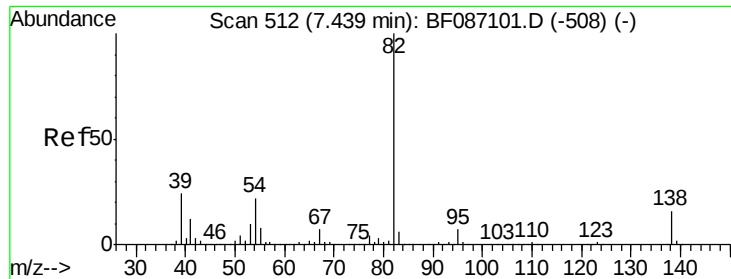
#24
 Nitrobenzene
 Concen: 30.29 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion: 77 Resp: 406032
 Ion Ratio Lower Upper
 77 100
 123 39.8 33.0 49.4
 65 15.4 10.8 16.2



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: 32.36 ng

RT: 7.39 min Scan# 508

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

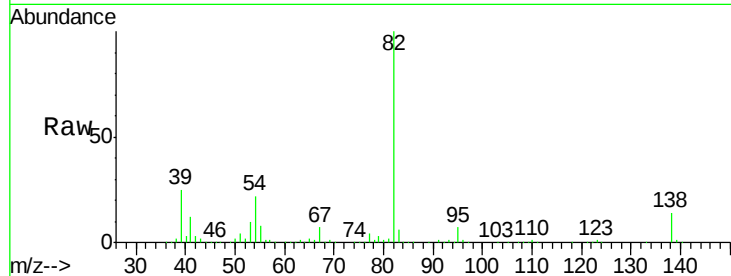
Tgt Ion: 82 Resp: 727227

Ion Ratio Lower Upper

82 100

95 7.1 5.1 7.7

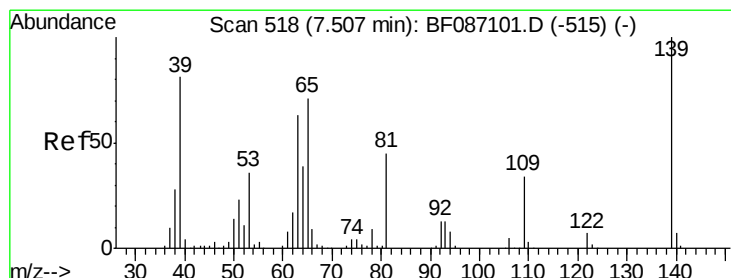
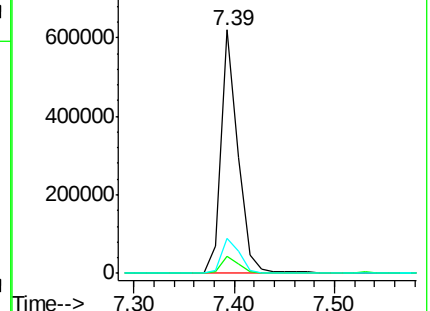
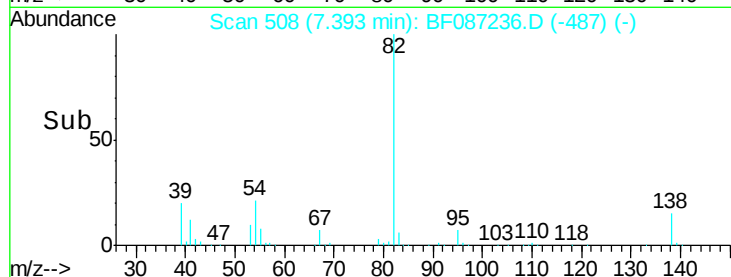
138 14.3 12.4 18.6



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: 33.21 ng

RT: 7.47 min Scan# 515

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

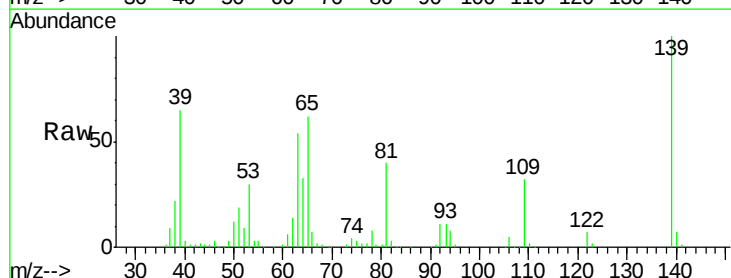
Tgt Ion: 139 Resp: 184428

Ion Ratio Lower Upper

139 100

109 32.0 19.5 29.3#

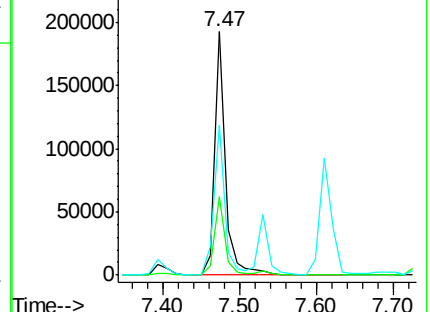
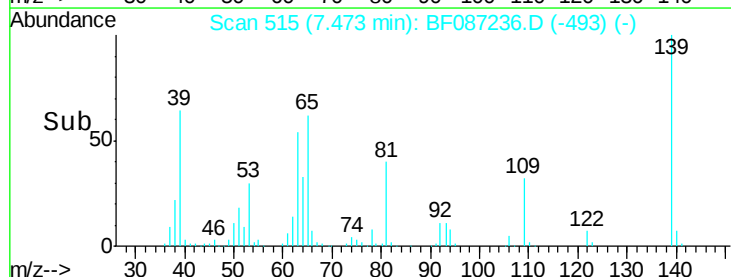
65 61.7 37.5 56.3#

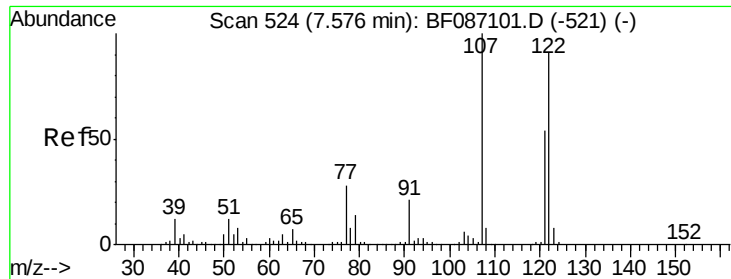


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

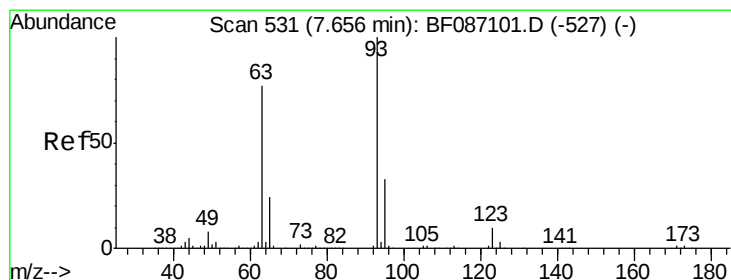
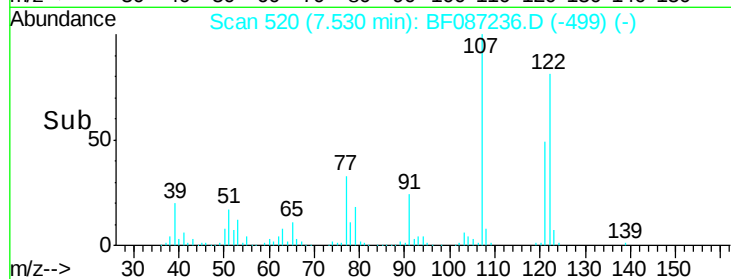
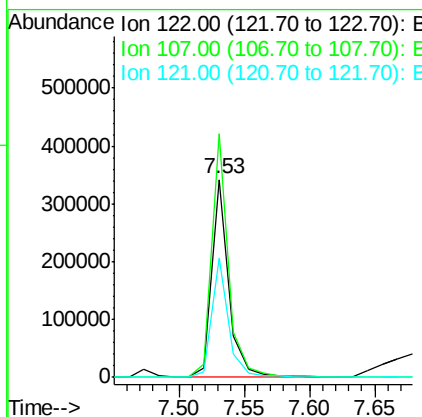
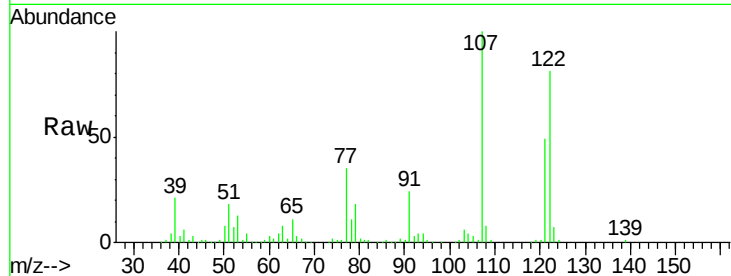




#27
 2,4-Dimethylphenol
 Concen: 32.78 ng
 RT: 7.53 min Scan# 520
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

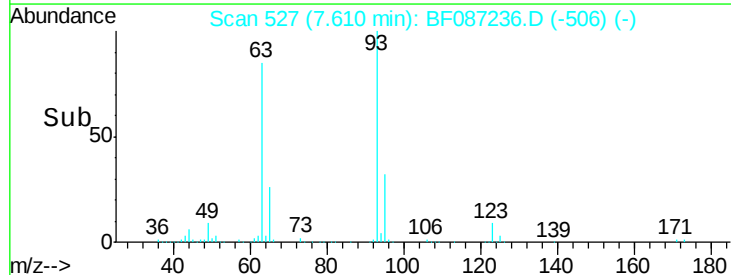
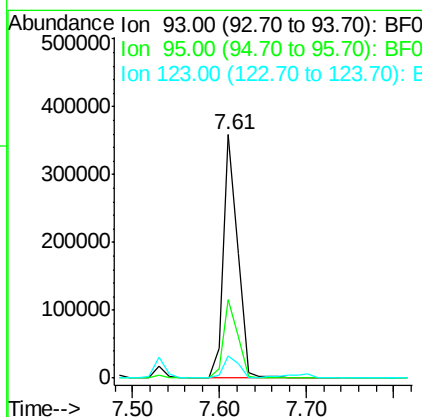
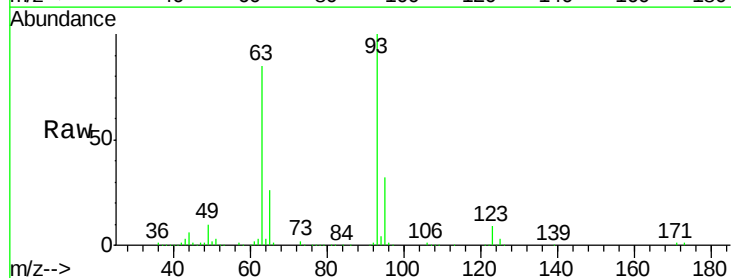
Instrument :
 BNA_F
 ClientSampled :
 PB90711BS

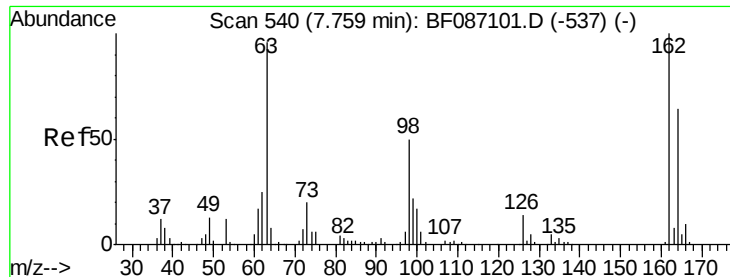
Tgt Ion:122 Resp: 310667
 Ion Ratio Lower Upper
 122 100
 107 123.3 82.0 123.0#
 121 60.7 46.1 69.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 33.82 ng
 RT: 7.61 min Scan# 527
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion: 93 Resp: 417303
 Ion Ratio Lower Upper
 93 100
 95 32.4 26.0 39.0
 123 9.2 9.5 14.3#

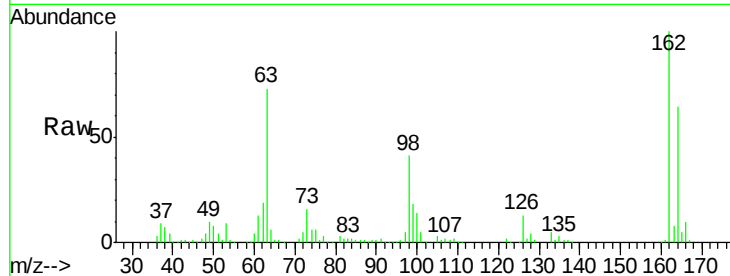




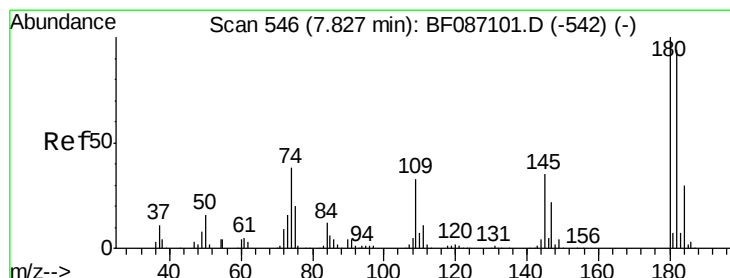
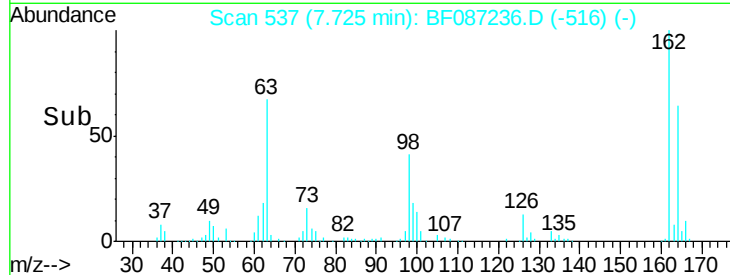
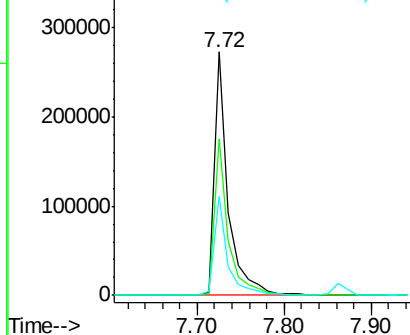
#29
 2,4-Dichlorophenol
 Concen: 36.60 ng
 RT: 7.72 min Scan# 537
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.2	42.2	82.2
98	40.9	19.0	59.0

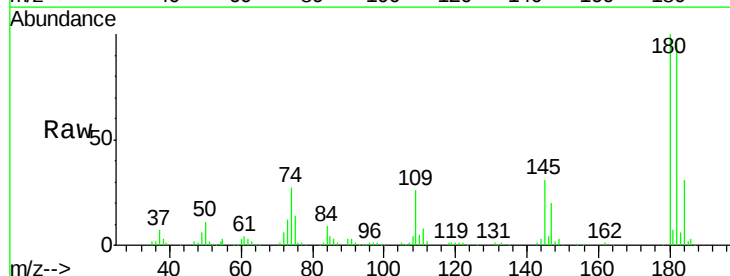


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

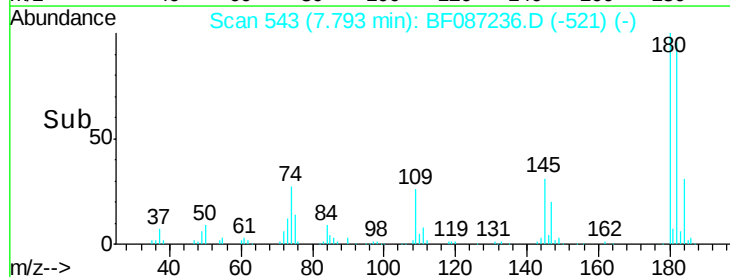
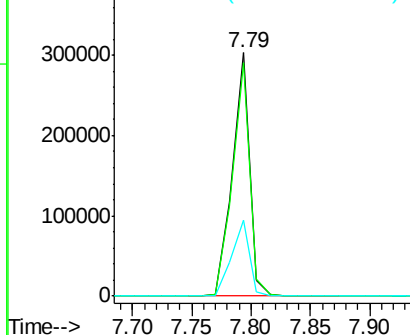


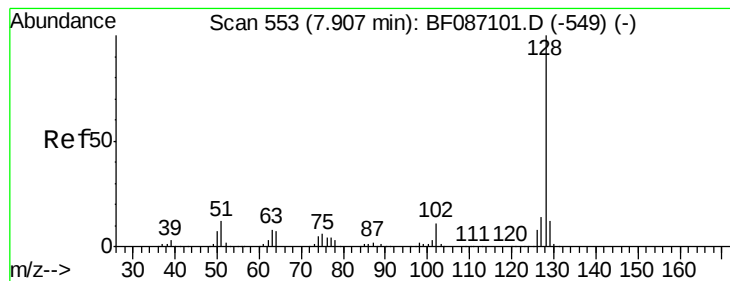
#30
 1,2,4-Trichlorobenzene
 Concen: 33.09 ng
 RT: 7.79 min Scan# 543
 Delta R.T. -0.05 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	78.0	117.0
145	31.3	24.2	36.2



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: 32.10 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

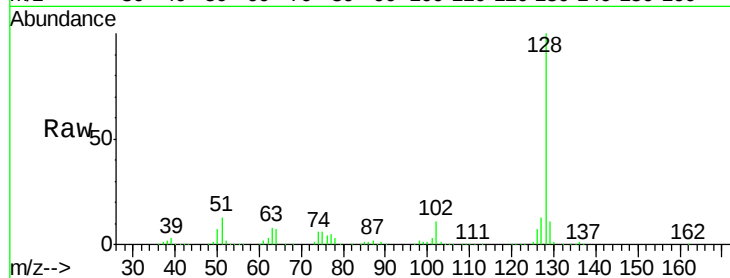
Tgt Ion:128 Resp: 959841

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

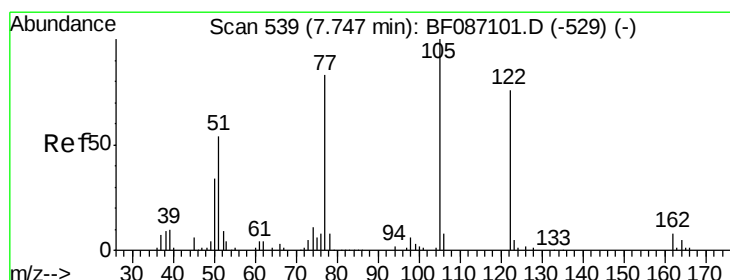
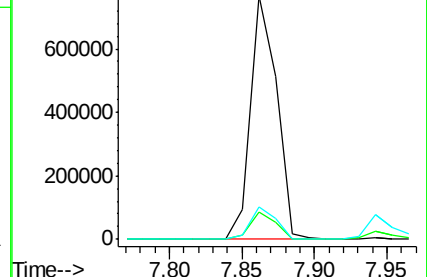
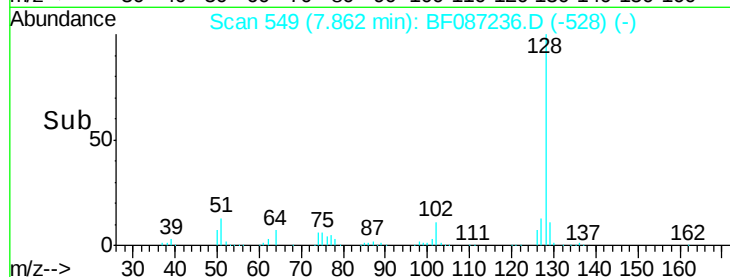
127 13.4 10.8 16.2



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: 29.36 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

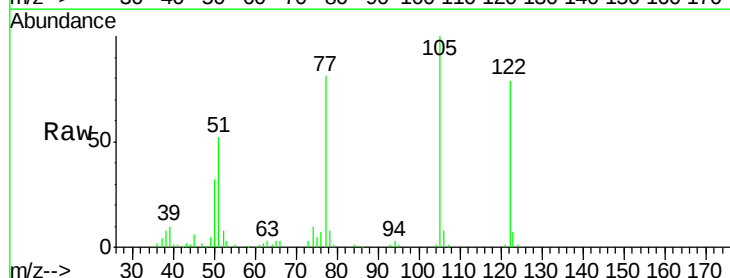
Tgt Ion:122 Resp: 165881

Ion Ratio Lower Upper

122 100

105 125.9 92.6 132.6

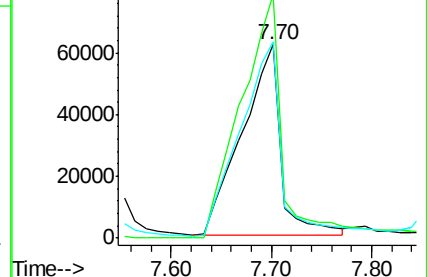
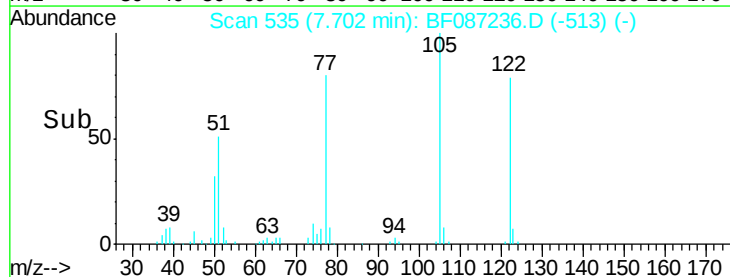
77 101.8 60.0 100.0#



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

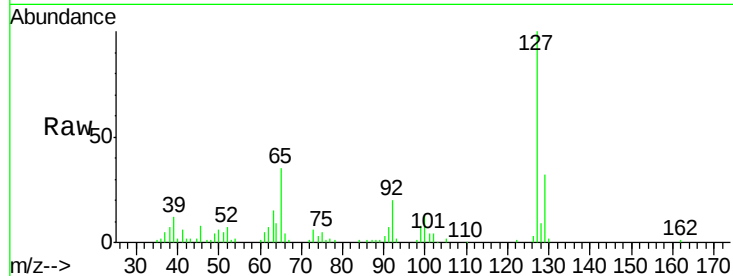




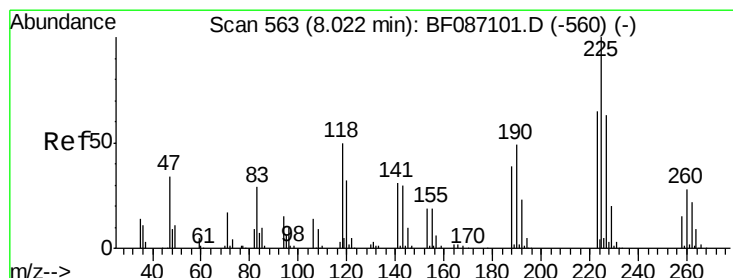
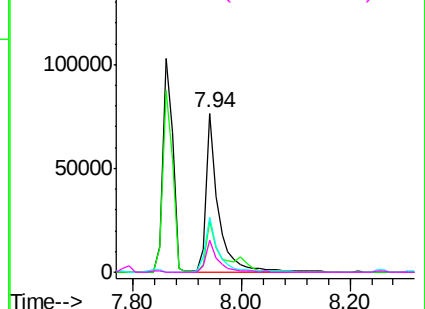
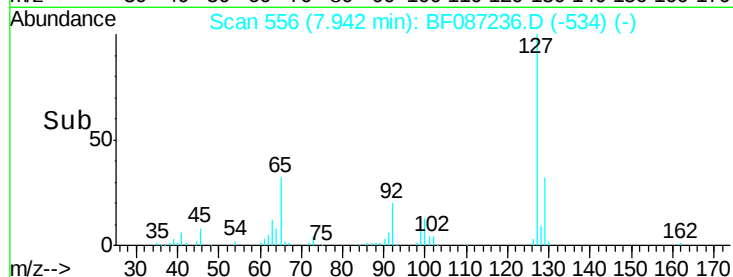
#33
4-Chloroaniline
Concen: 9.74 ng
RT: 7.94 min Scan# 556
Delta R.T. -0.05 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

Instrument :
BNA_F
ClientSampleId :
PB90711BS

Tgt Ion:	127	Resp:	121042
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	35.1	23.0	34.4#
92	20.3	15.1	22.7

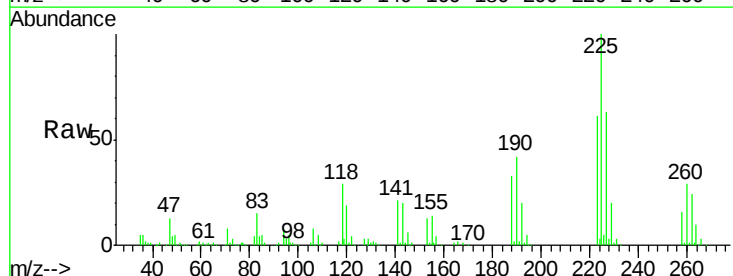


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

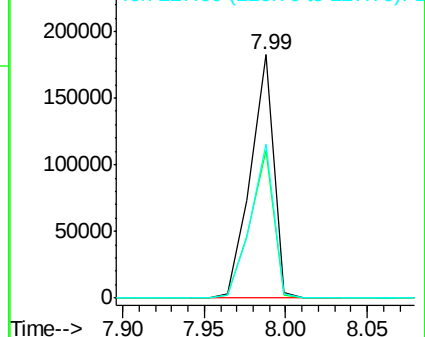
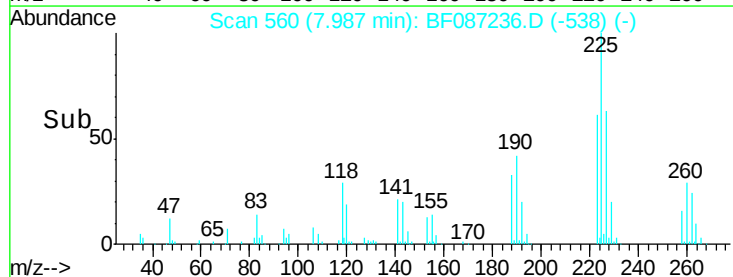


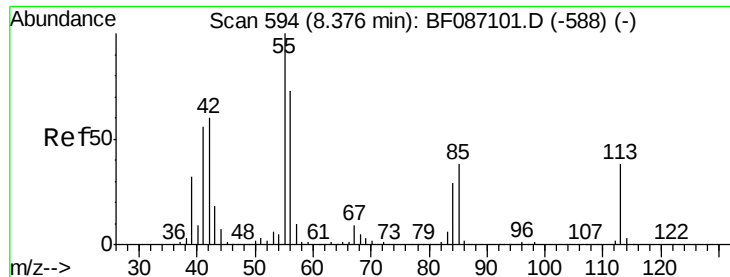
#34
Hexachlorobutadiene
Concen: 34.48 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.05 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

Tgt Ion:	225	Resp:	181313
Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.5	77.3
227	63.2	52.2	78.2



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

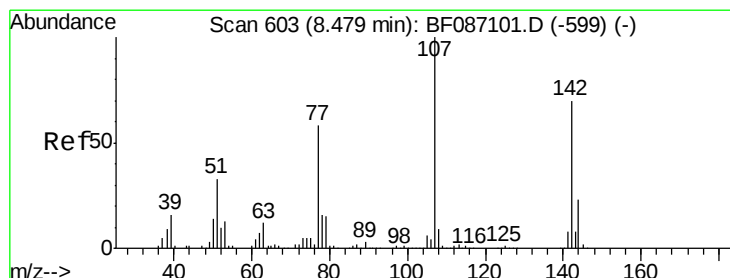
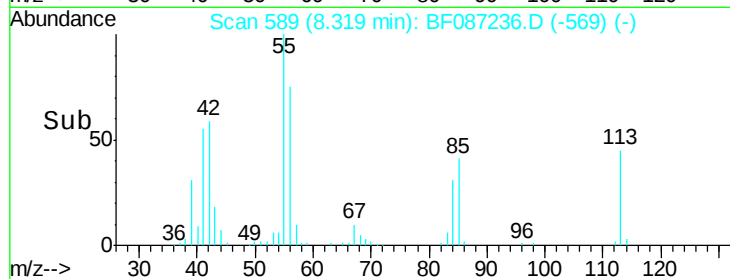
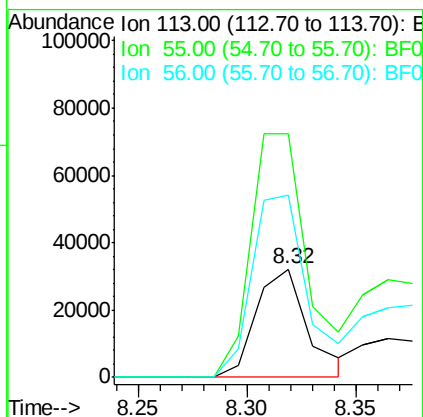
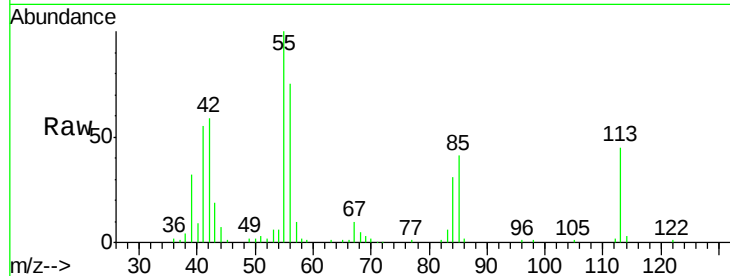




#35
 Caprolactam
 Concen: 19.17 ng
 RT: 8.32 min Scan# 589
 Delta R.T. -0.07 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

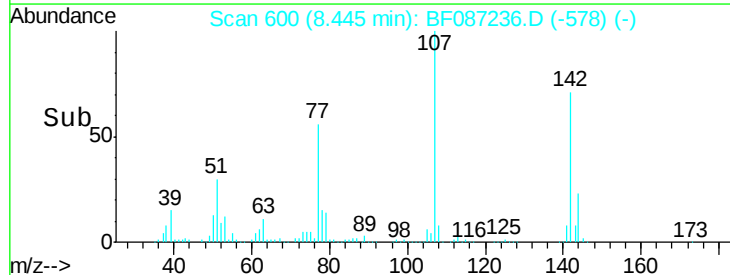
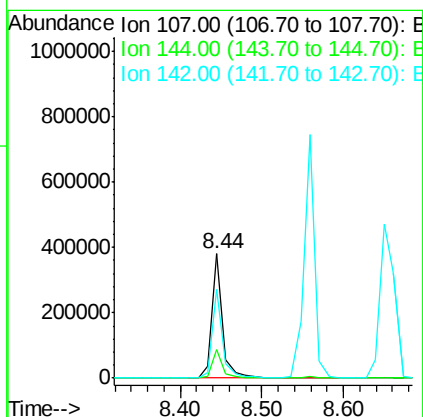
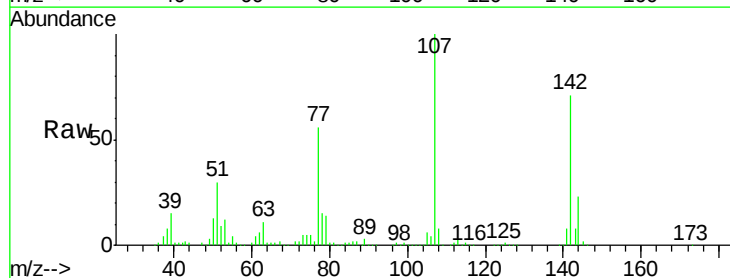
Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

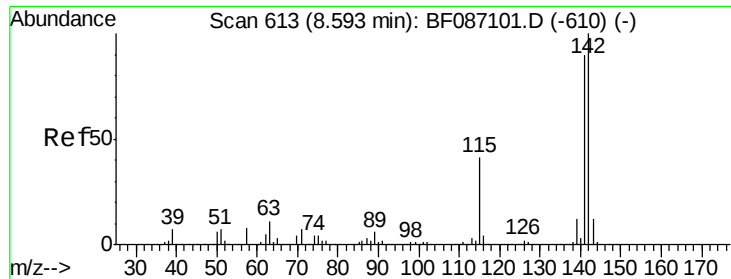
Tgt Ion:113 Resp: 53311
 Ion Ratio Lower Upper
 113 100
 55 223.9 162.0 202.0#
 56 167.6 115.3 155.3#



#36
 4-Chloro-3-methylphenol
 Concen: 35.25 ng
 RT: 8.44 min Scan# 600
 Delta R.T. -0.05 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion:107 Resp: 355094
 Ion Ratio Lower Upper
 107 100
 144 22.8 20.7 31.1
 142 71.2 63.2 94.8

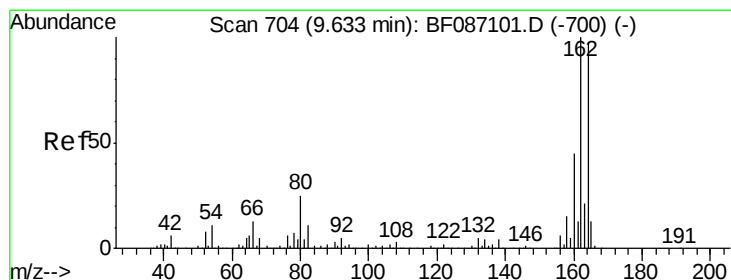
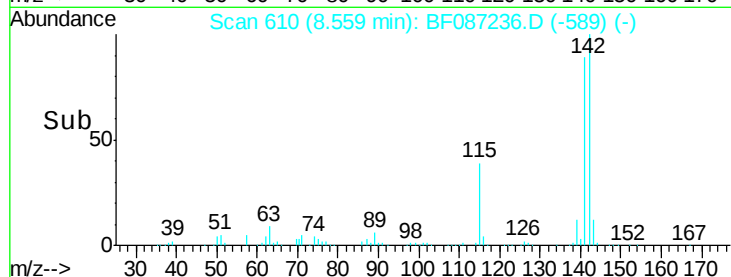
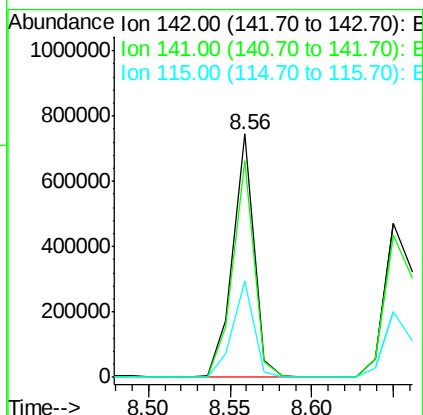
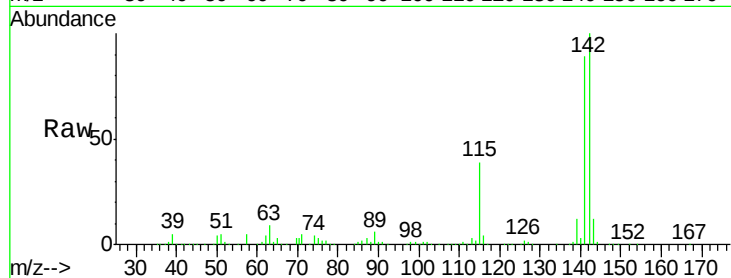




#37
 2-Methylnaphthalene
 Concen: 35.16 ng
 RT: 8.56 min Scan# 610
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

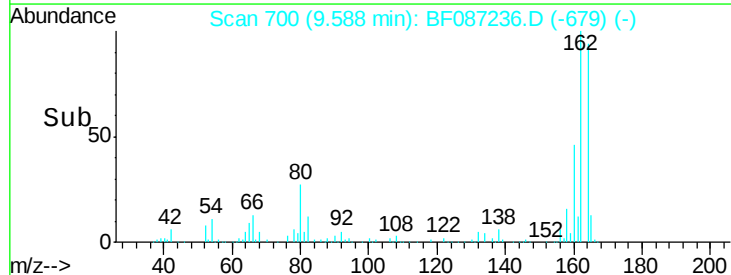
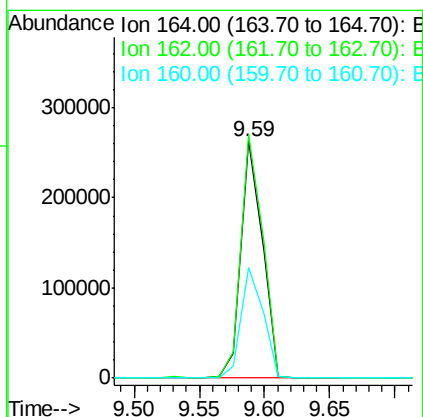
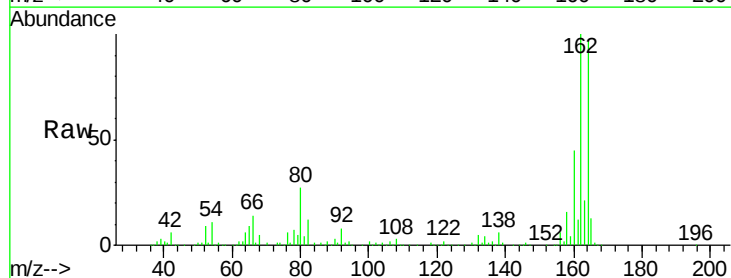
Instrument :
 BNA_F
 ClientSampleID :
 PB90711BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.6
115	39.5	26.6	39.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.8	124.2
160	46.7	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 32.60 ng

RT: 8.73 min Scan# 625

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

Tgt Ion:216 Resp: 284154

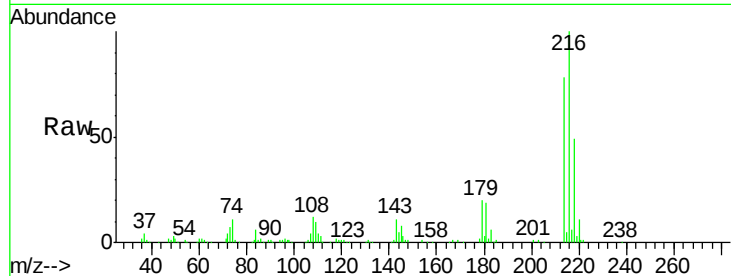
Ion Ratio Lower Upper

216 100

214 79.9 62.6 93.8

179 23.3 18.2 27.4

108 23.5 17.5 26.3

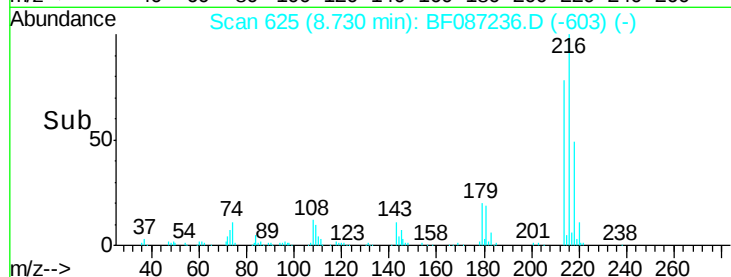


Abundance Ion 216.00 (215.70 to 216.70): E

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



Abundance

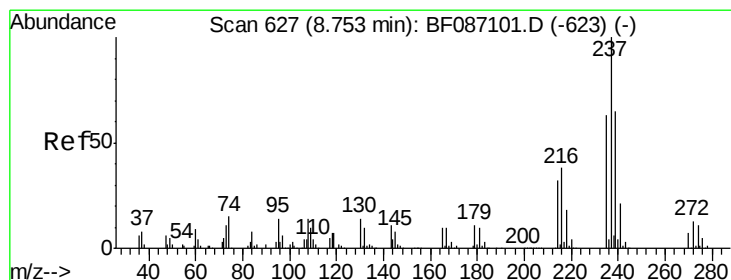
8.73

200000

100000

0

Time-->



#40

Hexachlorocyclopentadiene

Concen: 65.20 ng

RT: 8.71 min Scan# 623

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

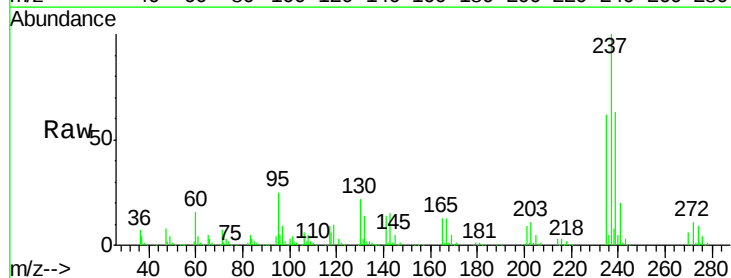
Tgt Ion:237 Resp: 214041

Ion Ratio Lower Upper

237 100

235 62.4 47.2 87.2

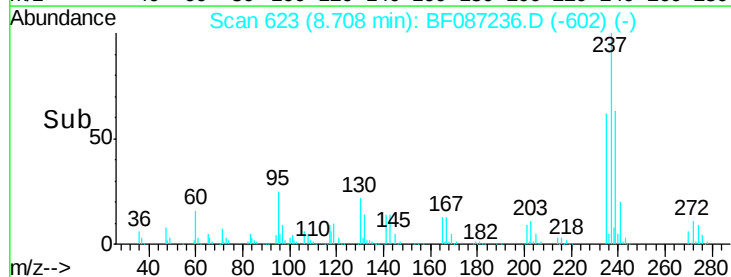
272 11.2 0.0 31.1



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



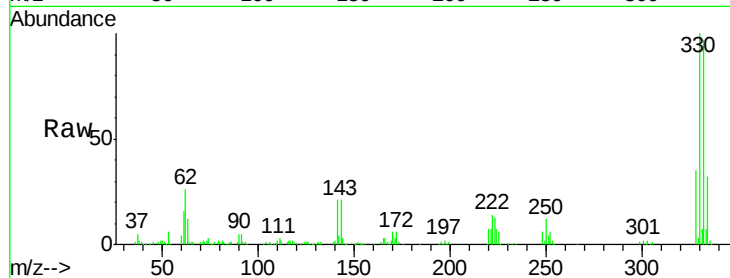
Time-->



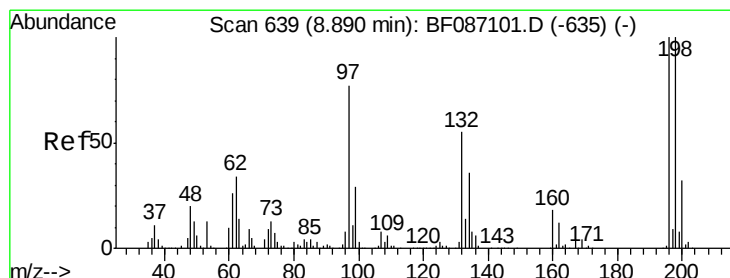
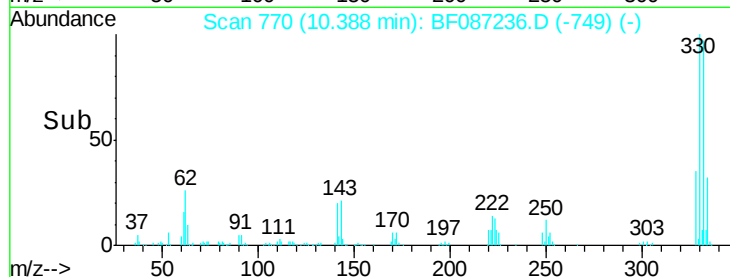
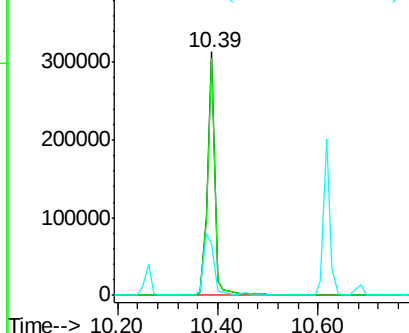
#41
 2,4,6-Tribromophenol
 Concen: 98.42 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

Tgt Ion:330 Resp: 324566
 Ion Ratio Lower Upper
 330 100
 332 96.6 79.0 118.4
 141 34.4 31.2 46.8

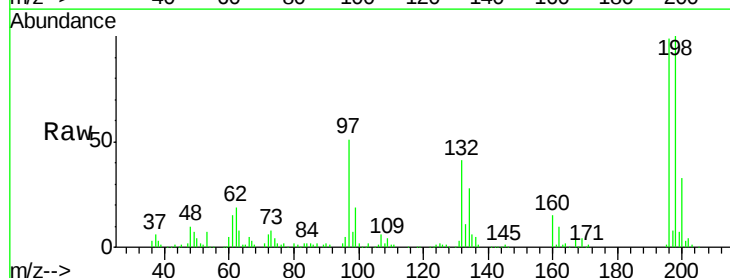


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

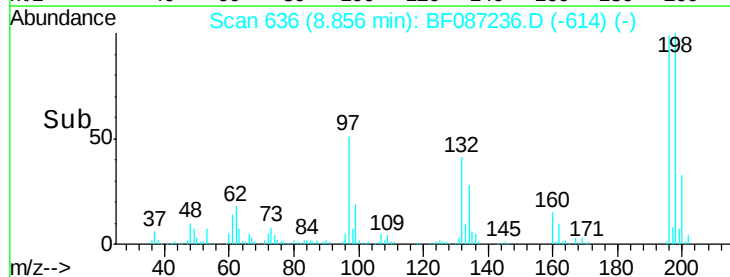
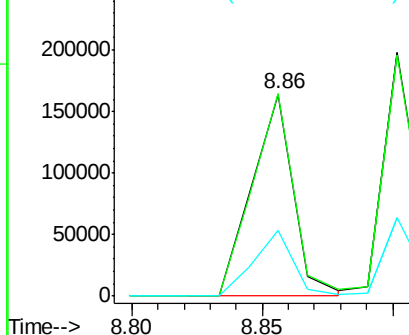


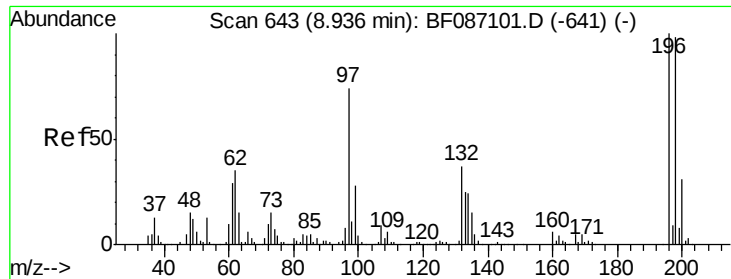
#42
 2,4,6-Trichlorophenol
 Concen: 32.31 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.05 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion:196 Resp: 182638
 Ion Ratio Lower Upper
 196 100
 198 100.5 74.7 112.1
 200 32.7 23.8 35.6



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

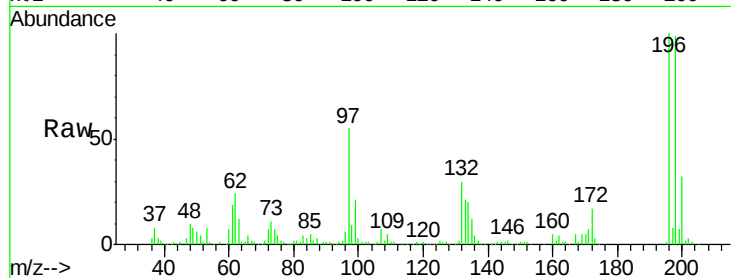




#43
 2,4,5-Trichlorophenol
 Concen: 33.57 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.05 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

Tgt Ion	Resp	Lower	Upper
196	197139		
198	99.2	77.5	116.3
97	54.8	34.8	52.2
132	30.1	23.0	34.4



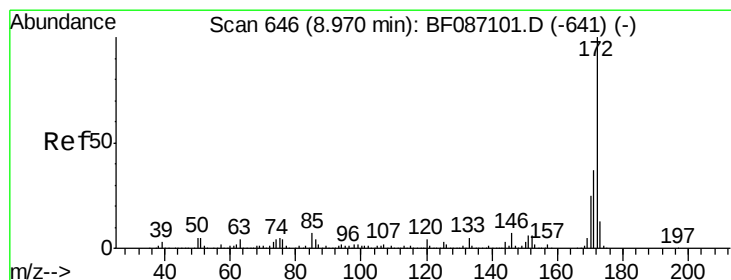
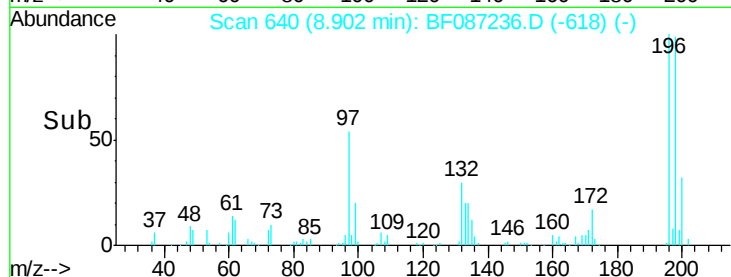
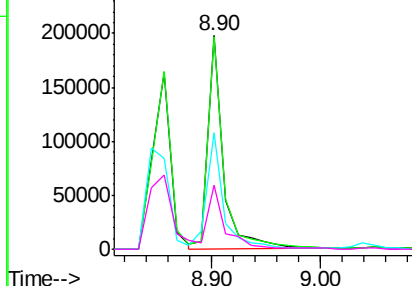
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

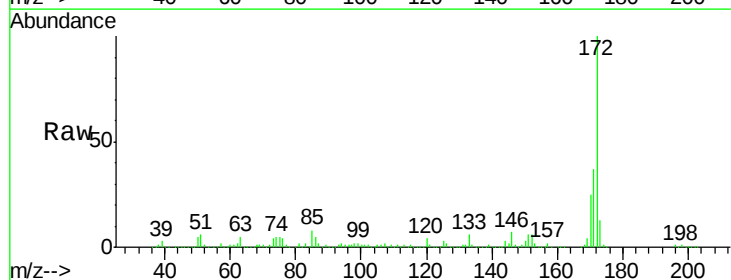
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 71.17 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion	Resp	Lower	Upper
172	1282518		
171	36.8	29.0	43.6
170	24.6	19.8	29.8

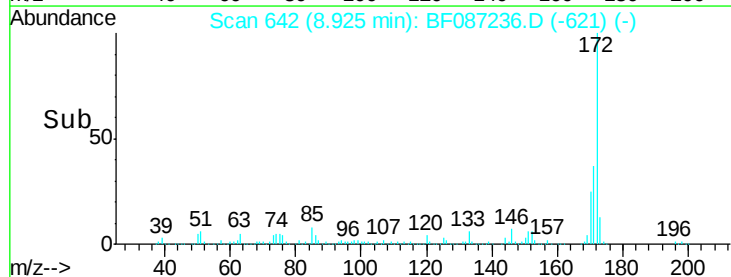
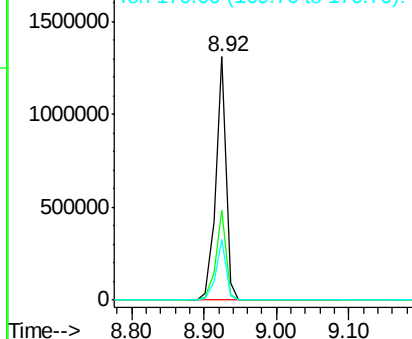


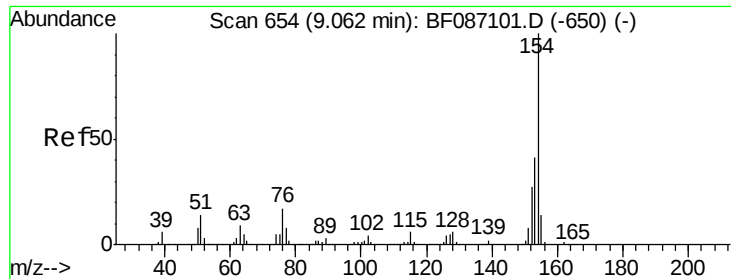
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 34.10 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

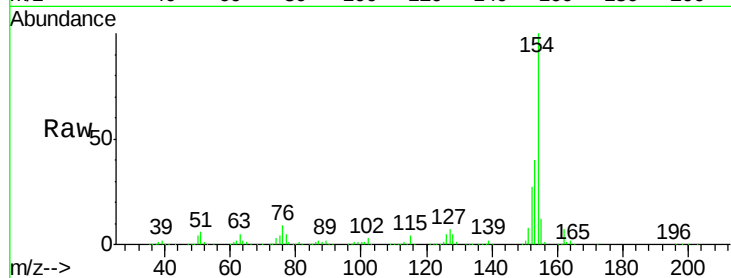
Tgt Ion:154 Resp: 843909

Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

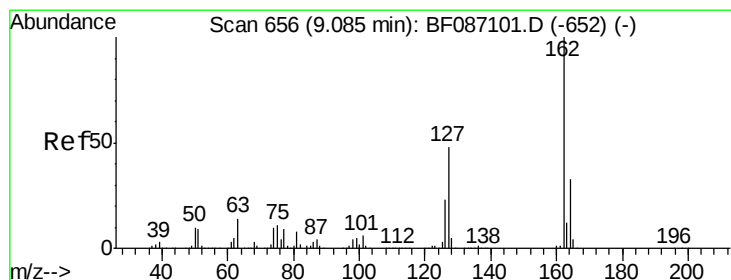
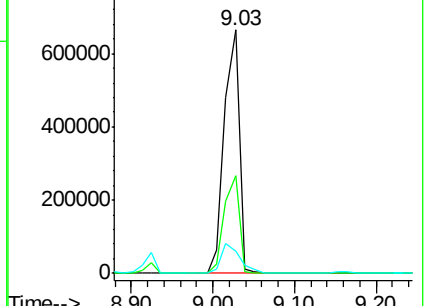
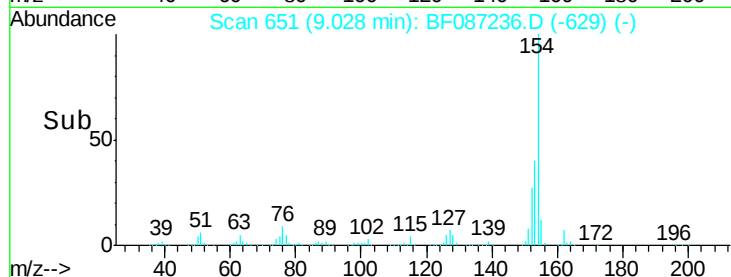
76 9.0 0.0 30.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 32.08 ng

RT: 9.05 min Scan# 653

Delta R.T. -0.05 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

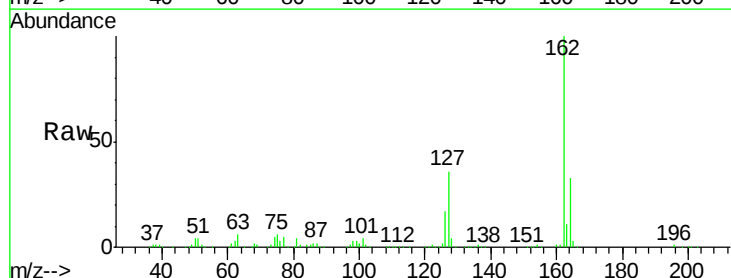
Tgt Ion:162 Resp: 609379

Ion Ratio Lower Upper

162 100

127 36.0 31.8 47.6

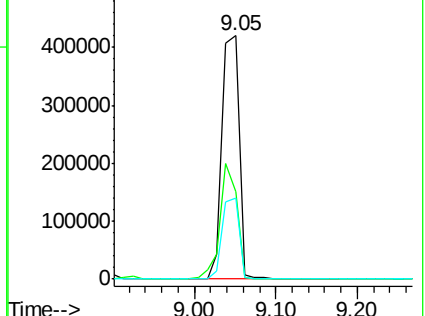
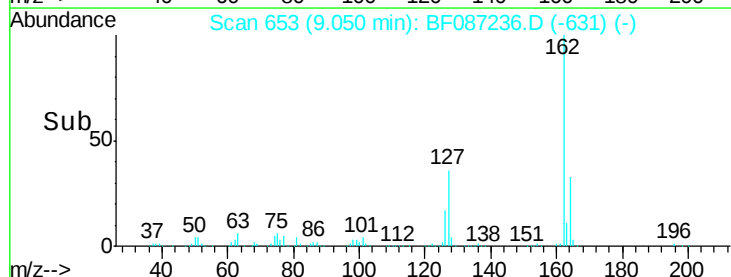
164 33.3 27.0 40.6

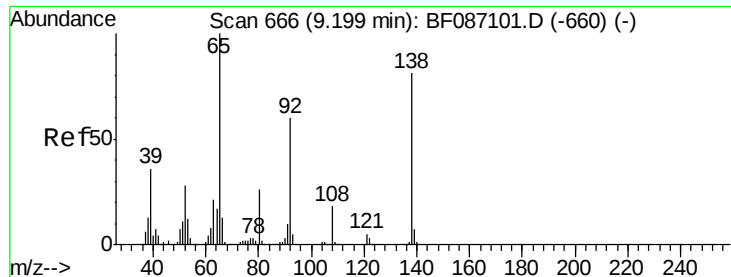


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

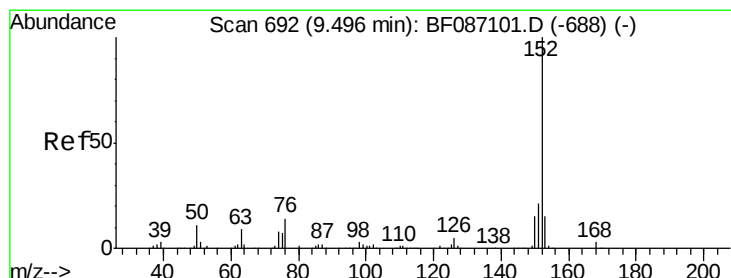
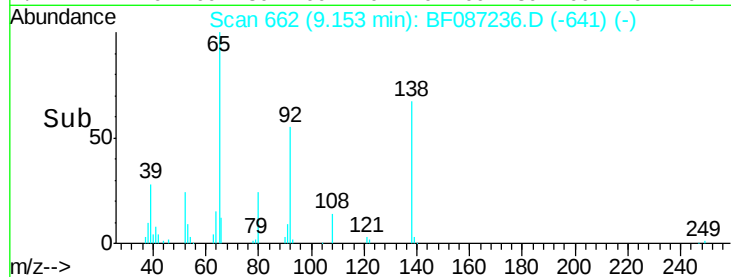
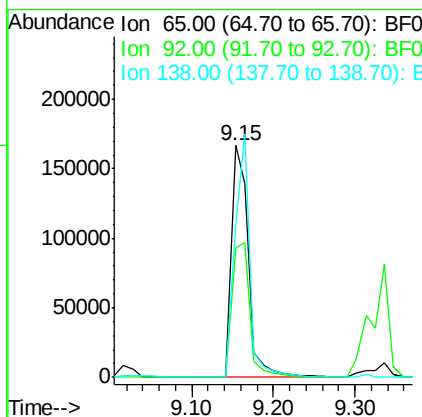
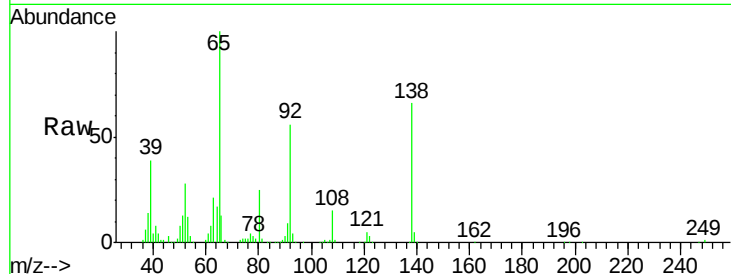




#47
2-Nitroaniline
Concen: 32.67 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.06 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

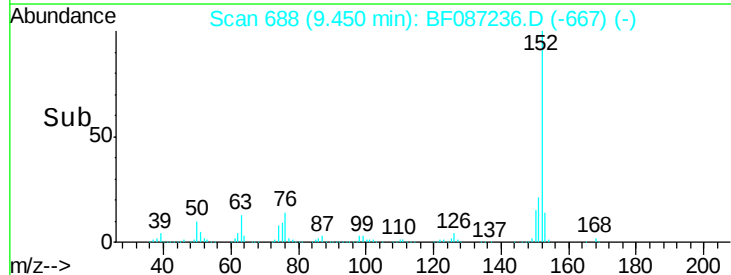
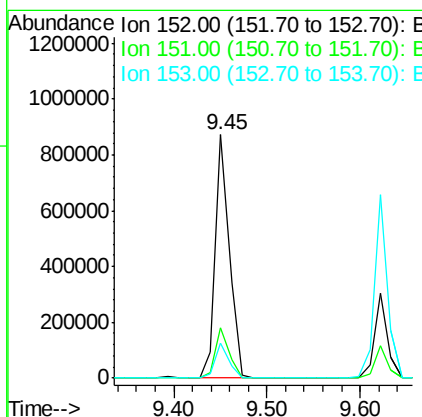
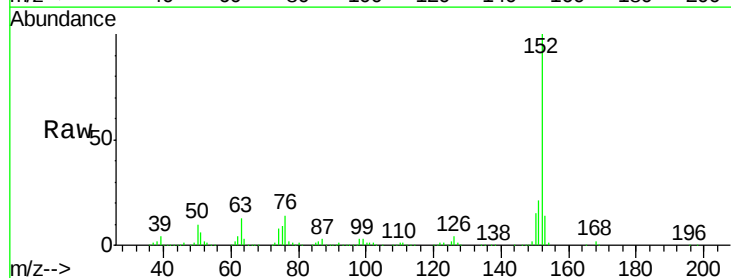
Instrument :
BNA_F
ClientSampleId :
PB90711BS

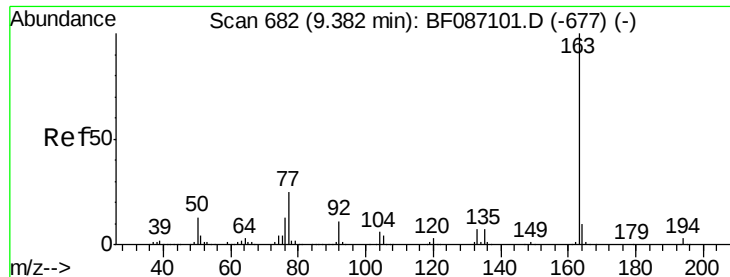
Tgt Ion: 65 Resp: 237804
Ion Ratio Lower Upper
65 100
92 55.9 57.4 86.2#
138 66.2 90.1 135.1#



#48
Acenaphthylene
Concen: 31.39 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

Tgt Ion: 152 Resp: 910661
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 14.5 10.9 16.3





#49

Dimethylphthalate

Concen: 33.99 ng

RT: 9.34 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

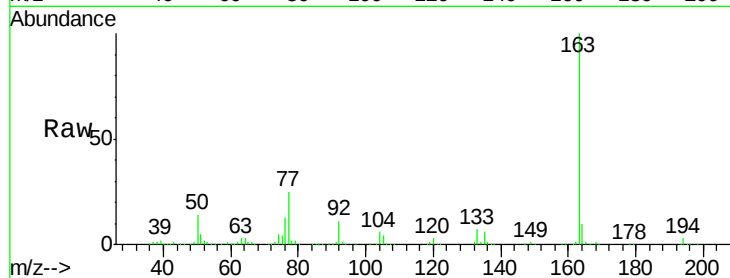
Tgt Ion:163 Resp: 773793

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

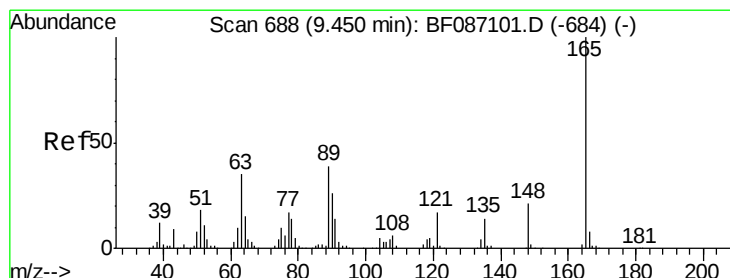
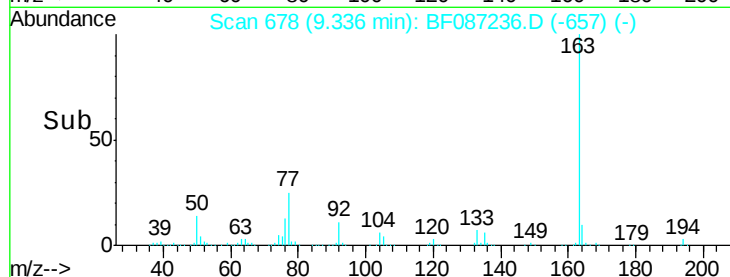
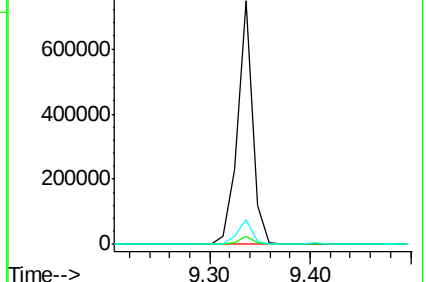
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 37.28 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

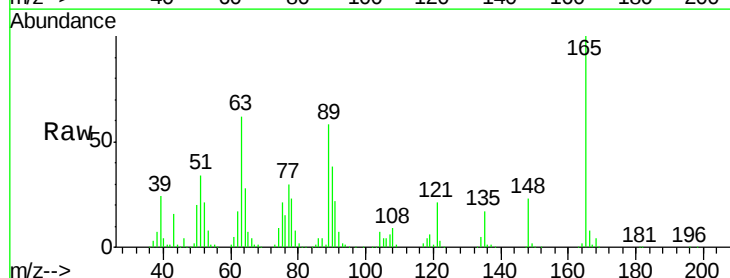
Tgt Ion:165 Resp: 184279

Ion Ratio Lower Upper

165 100

63 61.6 51.8 77.8

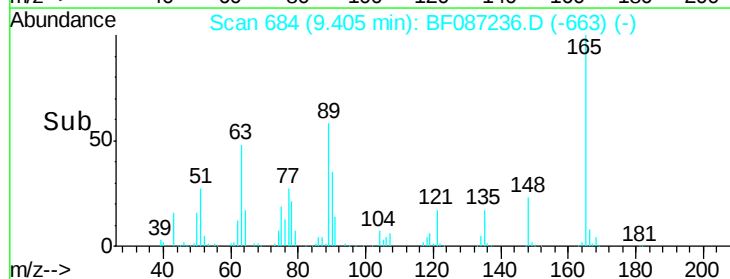
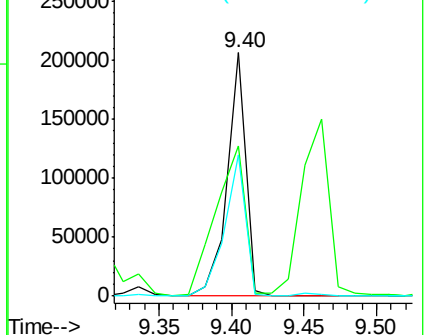
89 58.2 50.7 76.1

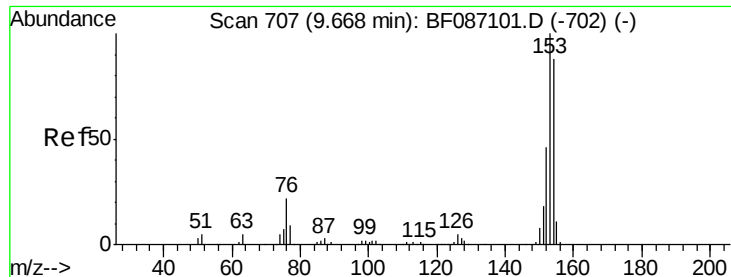


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 31.26 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

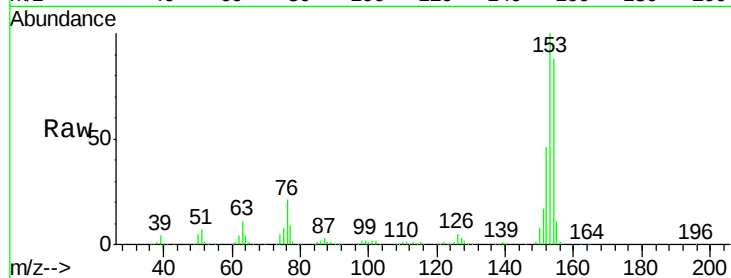
Tgt Ion:154 Resp: 566492

Ion Ratio Lower Upper

154 100

153 114.2 89.8 134.6

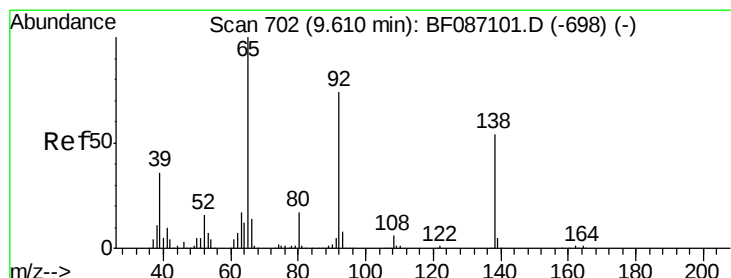
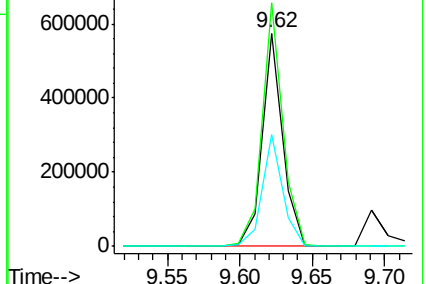
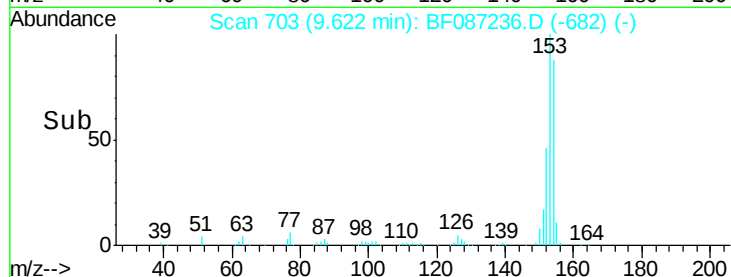
152 52.6 43.4 65.0



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: 14.81 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

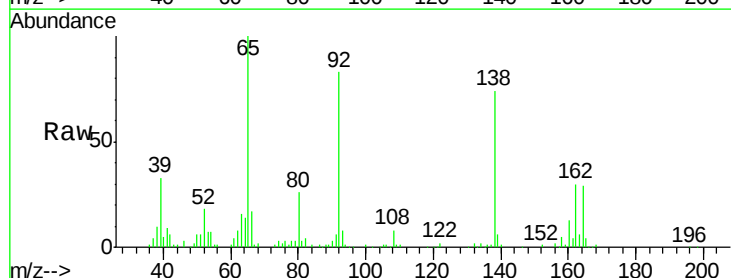
Tgt Ion:138 Resp: 79230

Ion Ratio Lower Upper

138 100

108 11.2 7.8 11.6

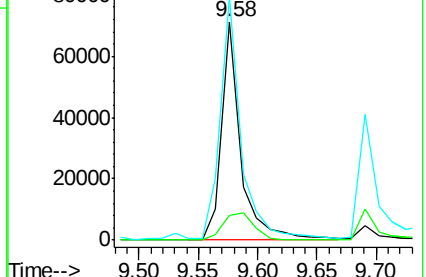
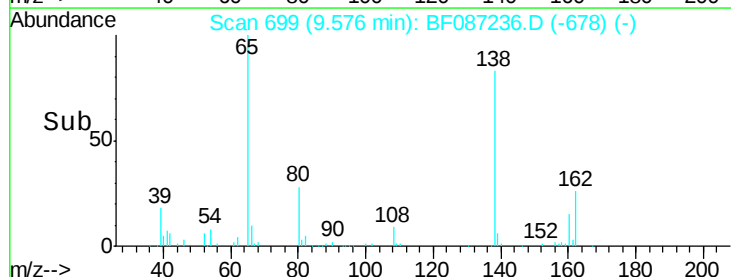
92 111.6 87.8 131.8

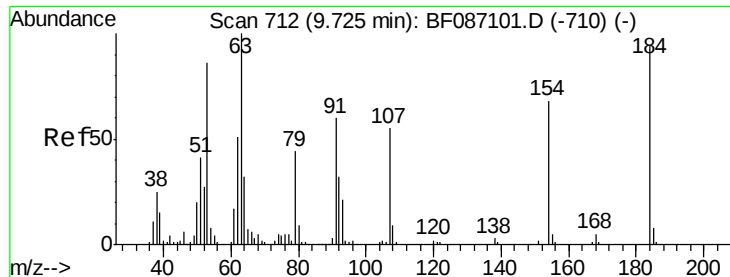


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

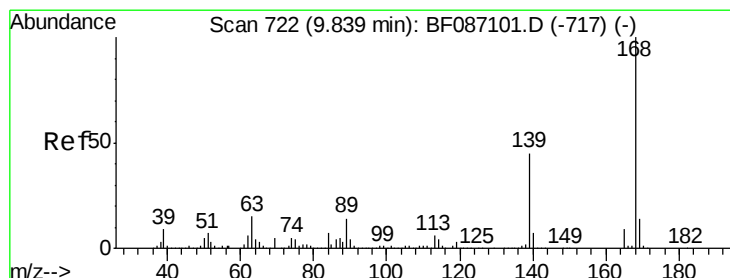
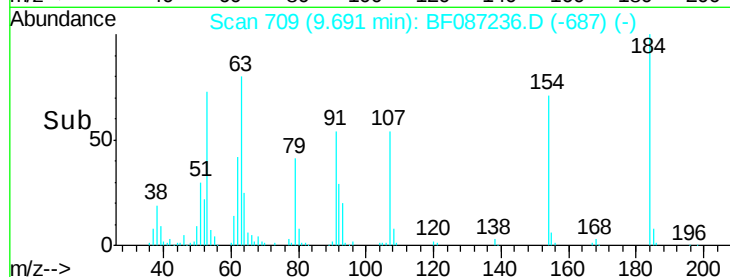
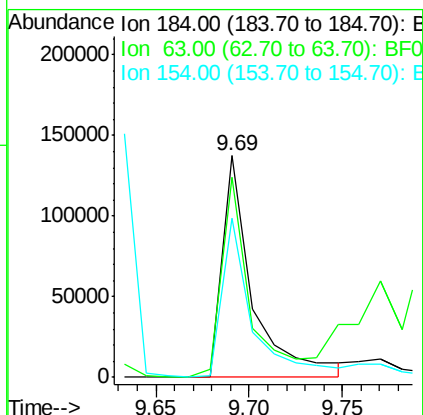
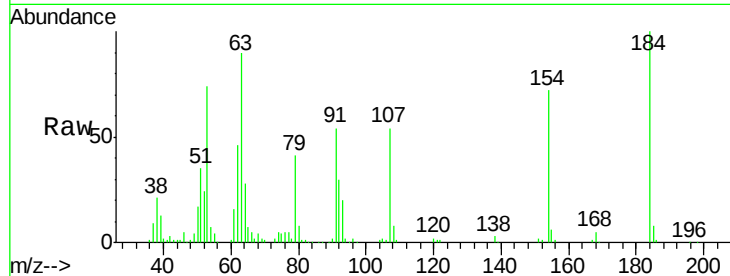




#53
 2,4-Dinitrophenol
 Concen: 57.39 ng
 RT: 9.69 min Scan# 709
 Delta R.T. -0.05 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

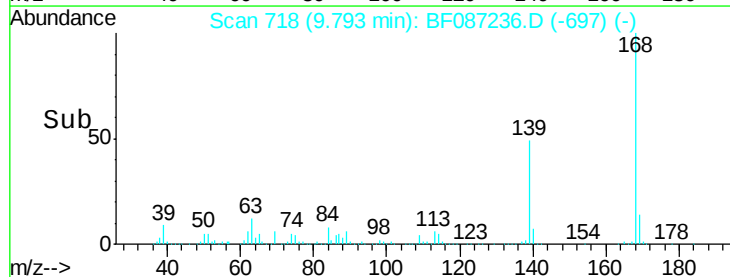
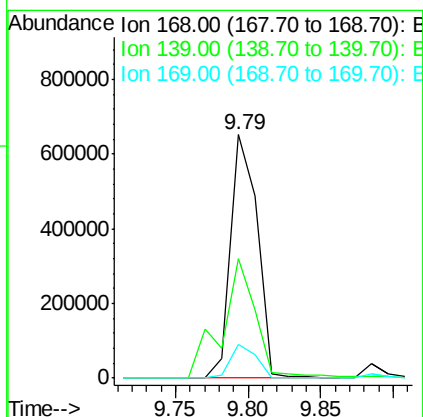
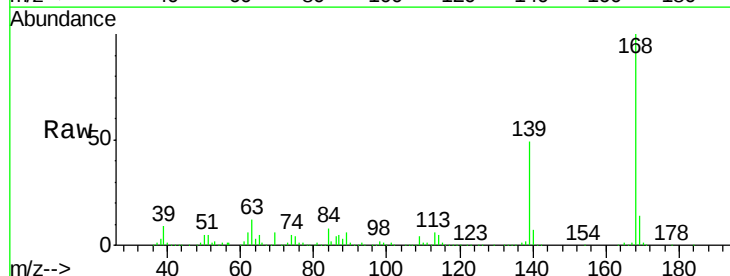
Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

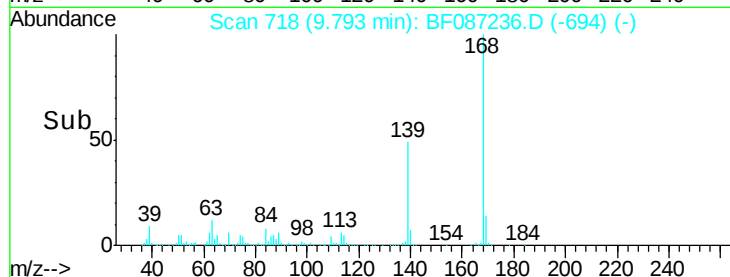
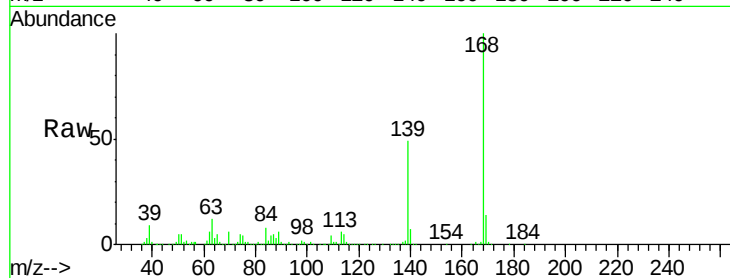
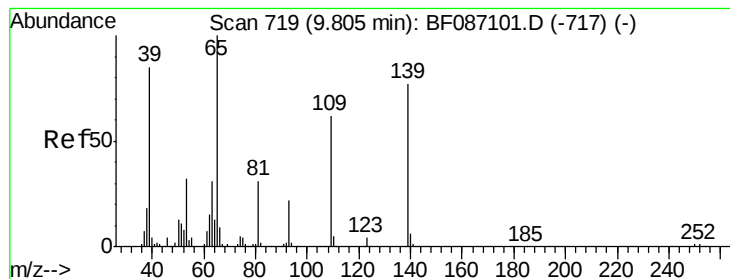
Tgt Ion:184 Resp: 158509
 Ion Ratio Lower Upper
 184 100
 63 90.3 55.8 83.8#
 154 71.9 62.4 93.6



#54
 Dibenzofuran
 Concen: 35.48 ng
 RT: 9.79 min Scan# 718
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion:168 Resp: 831364
 Ion Ratio Lower Upper
 168 100
 139 48.9 31.4 47.0#
 169 14.0 10.7 16.1





#55

4-Nitrophenol

Concen: 109.30 ng

RT: 9.79 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

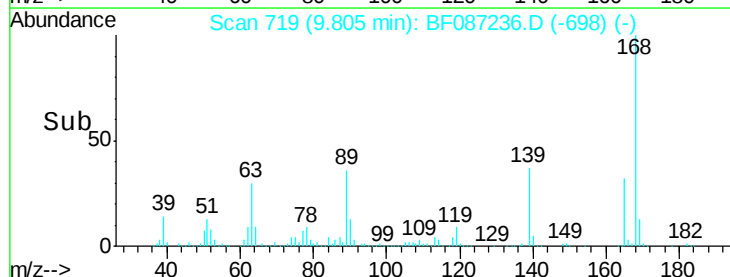
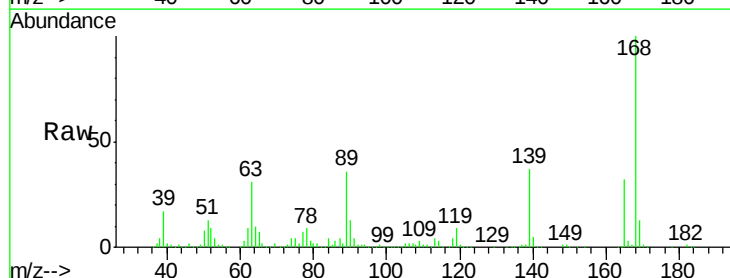
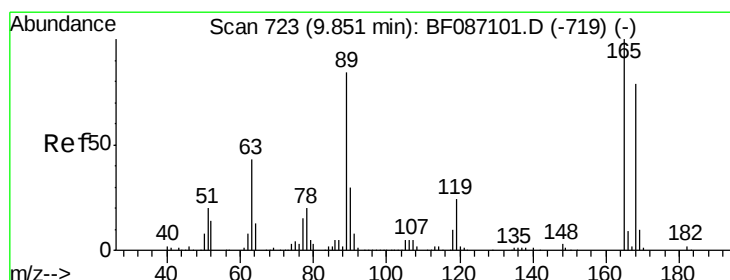
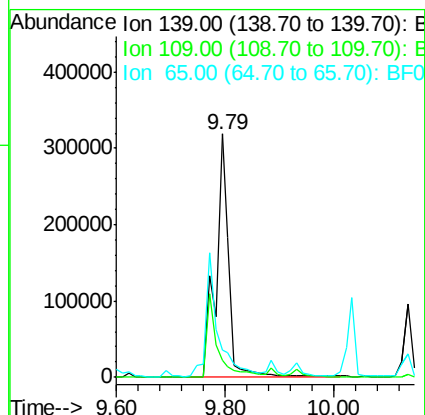
Tgt Ion:139 Resp: 544275

Ion Ratio Lower Upper

139 100

109 7.2 36.9 76.9#

65 11.0 64.0 104.0#



#56

2,4-Dinitrotoluene

Concen: 32.79 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Tgt Ion:165 Resp: 207579

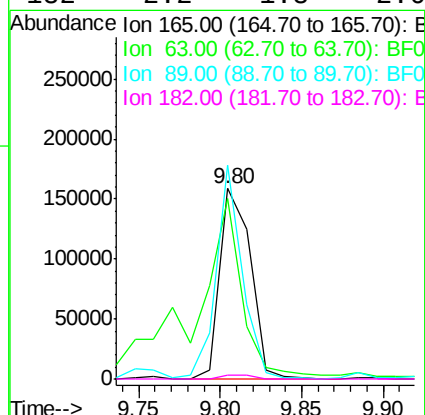
Ion Ratio Lower Upper

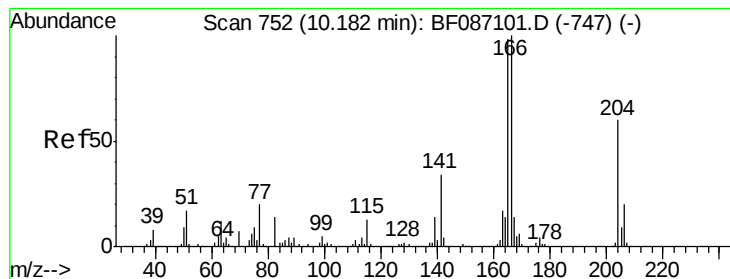
165 100

63 94.9 44.3 66.5#

89 112.0 70.0 105.0#

182 2.2 1.8 2.6





#57

Fluorene

Concen: 32.97 ng

RT: 10.14 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

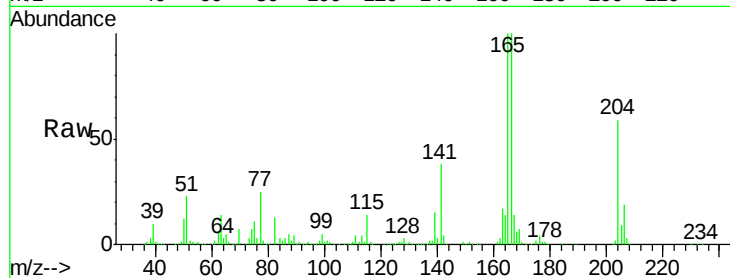
Tgt Ion:166 Resp: 620749

Ion Ratio Lower Upper

166 100

165 100.1 79.0 118.6

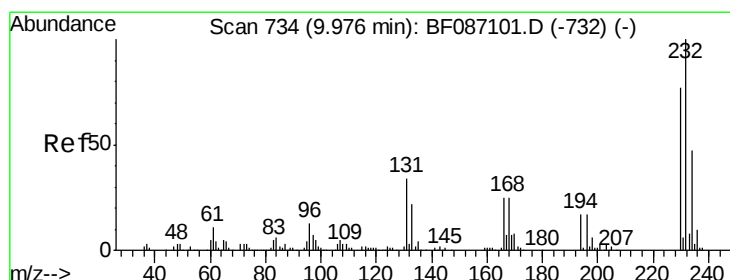
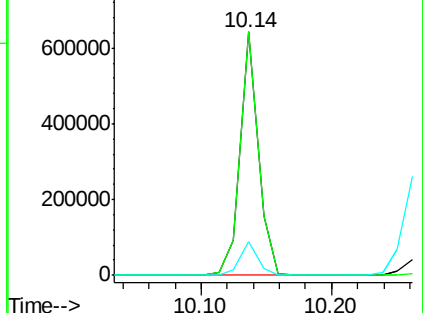
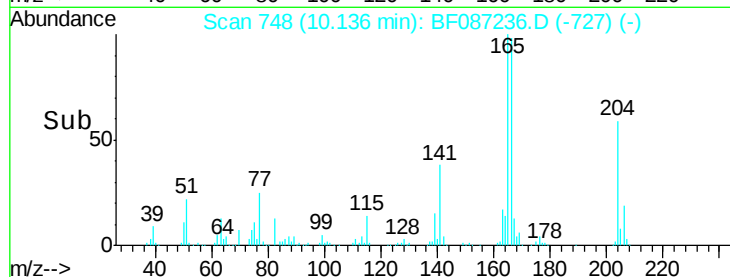
167 13.9 10.6 15.8



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: 39.62 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Tgt Ion:232 Resp: 181229

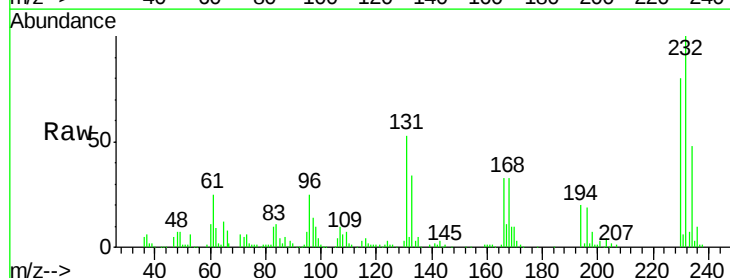
Ion Ratio Lower Upper

232 100

131 49.6 41.9 62.9

130 2.7 2.2 3.4

166 29.7 26.8 40.2

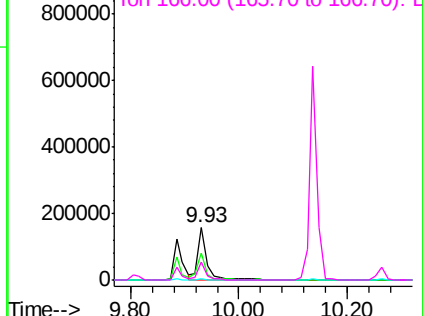
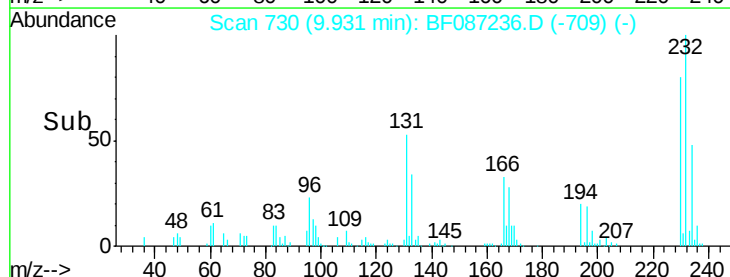


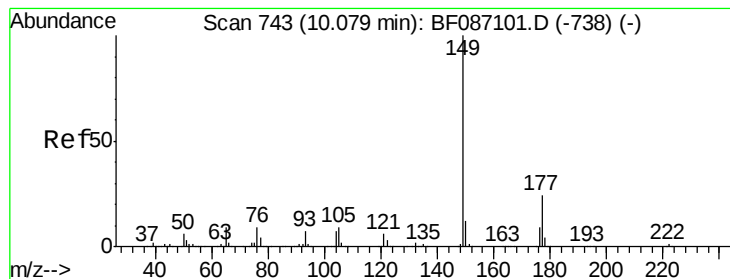
Abundance Ion 232.00 (231.70 to 232.70): E

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: 36.36 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

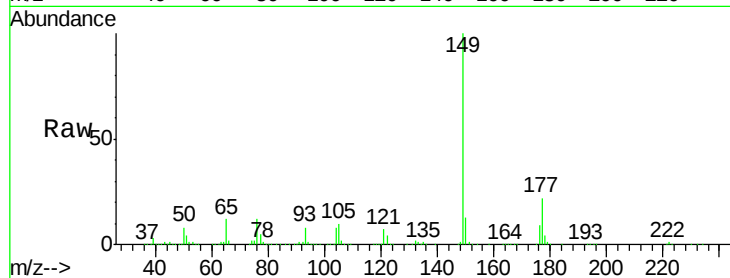
Tgt Ion:149 Resp: 790191

Ion Ratio Lower Upper

149 100

177 21.7 16.6 24.8

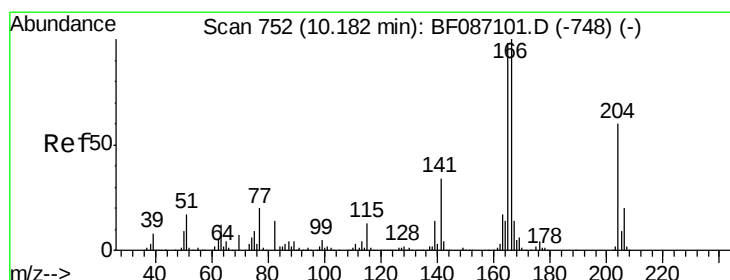
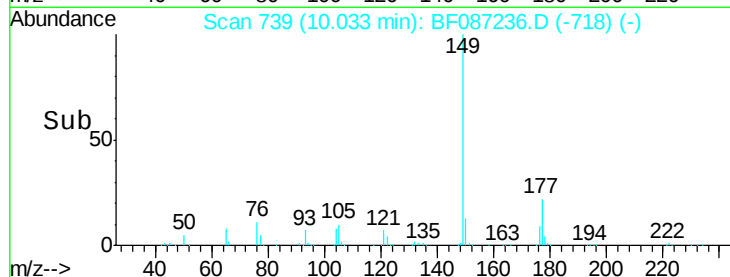
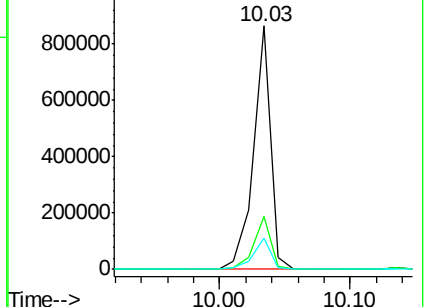
150 12.8 10.0 15.0



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: 37.57 ng

RT: 10.14 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

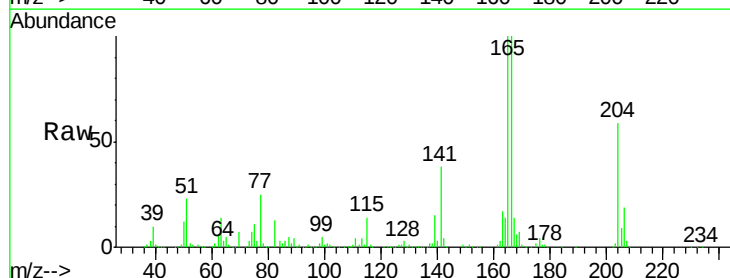
Tgt Ion:204 Resp: 335292

Ion Ratio Lower Upper

204 100

206 32.1 25.4 38.0

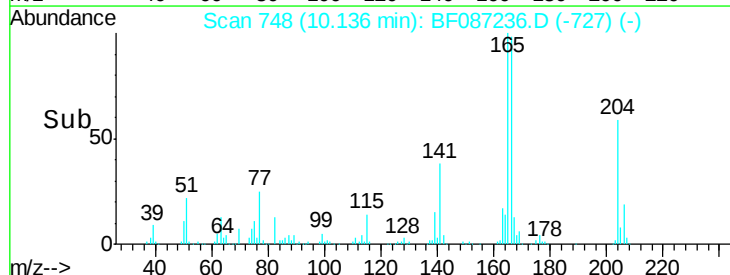
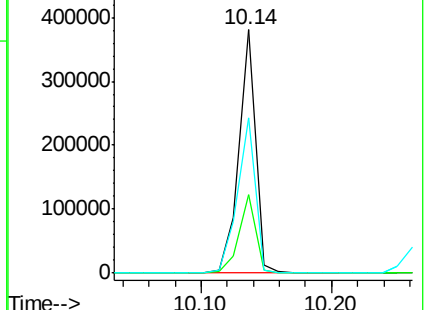
141 63.8 61.6 92.4

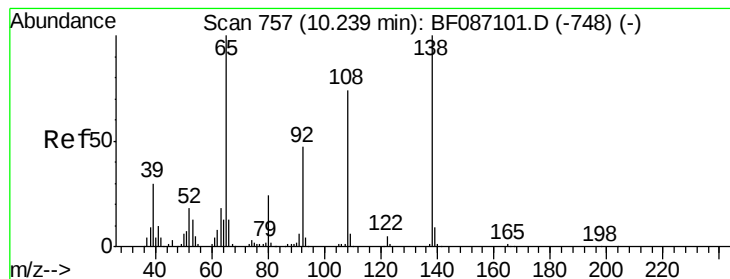


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 33.30 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

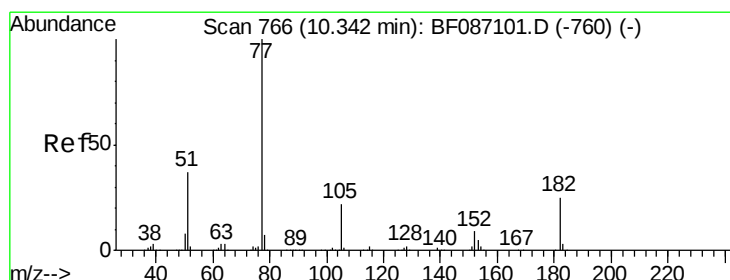
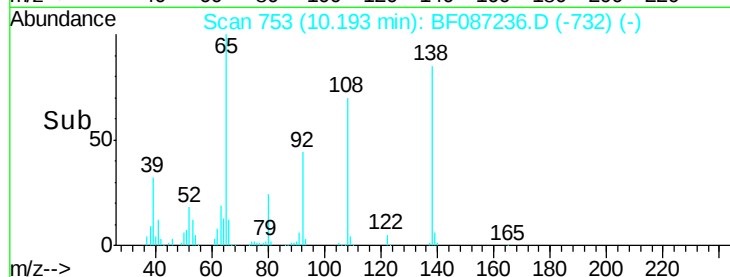
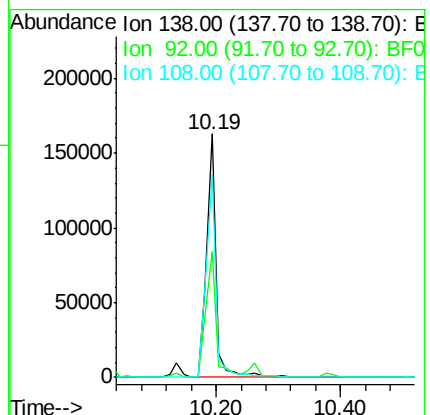
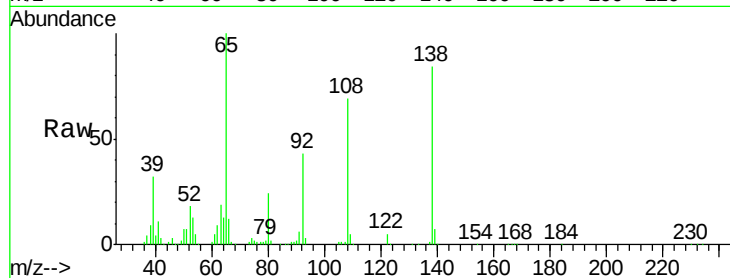
Tgt Ion:138 Resp: 175926

Ion Ratio Lower Upper

138 100

92 51.6 24.7 64.7

108 83.1 37.4 77.4#



#62

Azobenzene

Concen: 38.02 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Tgt Ion: 77 Resp: 952104

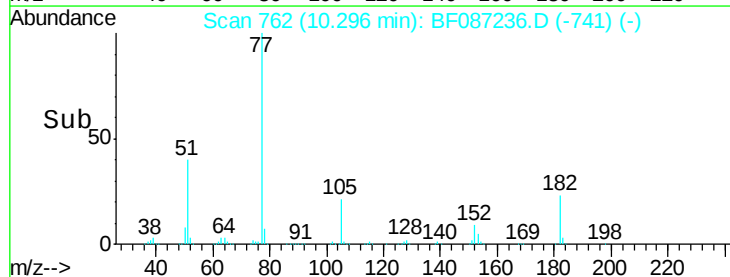
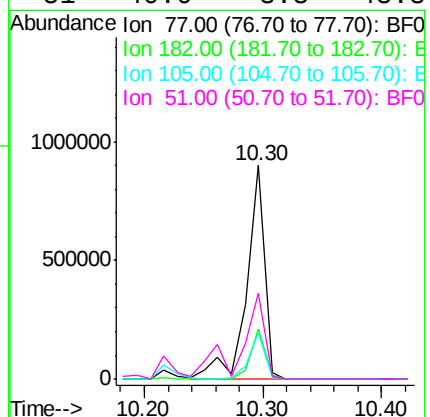
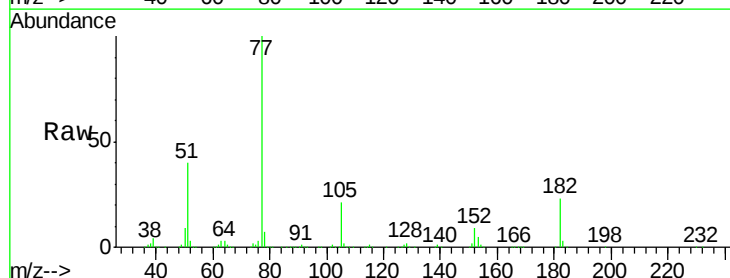
Ion Ratio Lower Upper

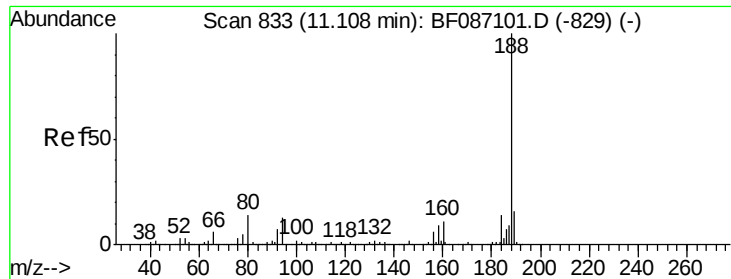
77 100

182 23.1 0.0 38.8

105 21.5 3.2 43.2

51 40.0 8.8 48.8

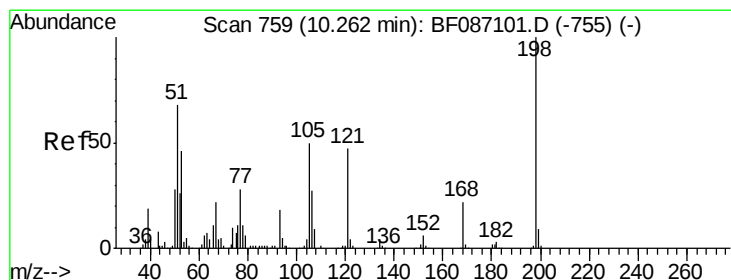
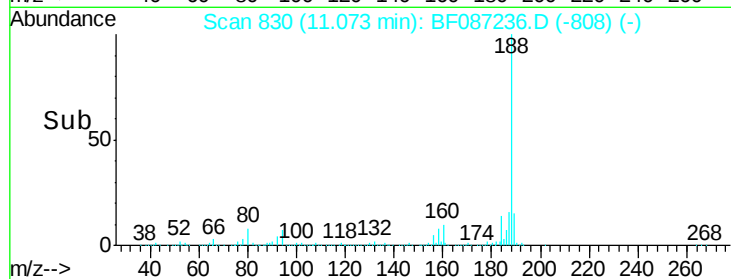
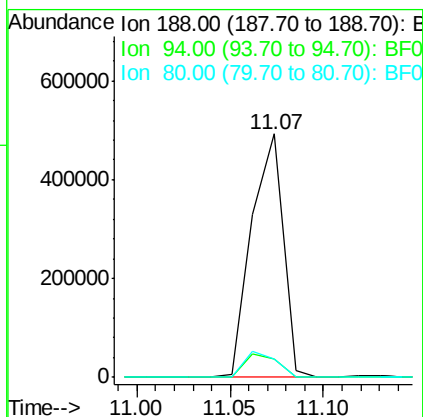
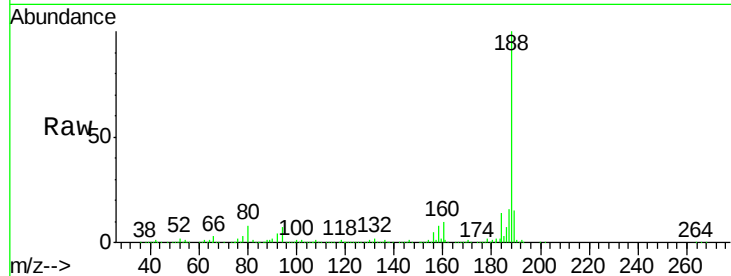




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

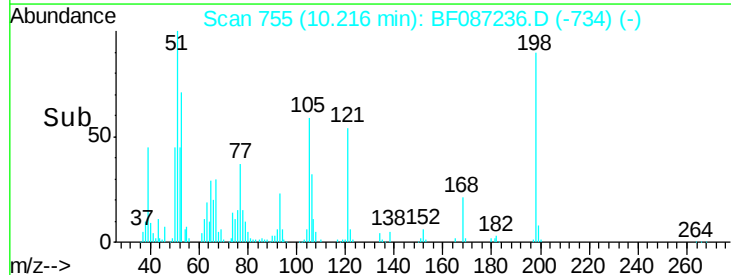
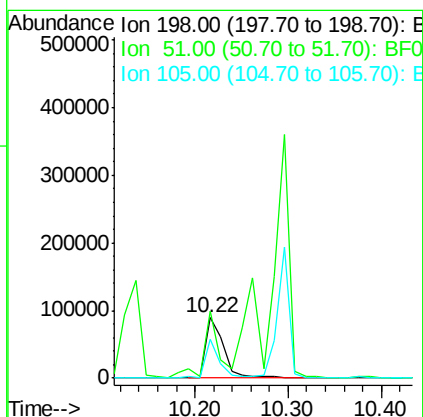
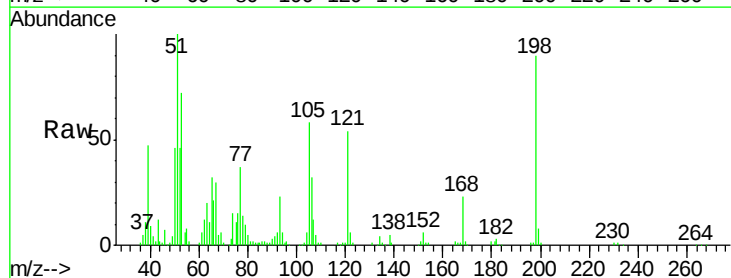
Instrument :
BNA_F
ClientSampleId :
PB90711BS

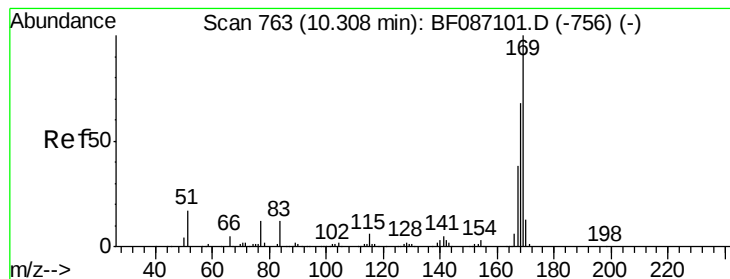
Tgt Ion:188 Resp: 579512
Ion Ratio Lower Upper
188 100
94 7.3 6.8 10.2
80 7.7 7.1 10.7



#64
4,6-Dinitro-2-methylphenol
Concen: 31.71 ng
RT: 10.22 min Scan# 755
Delta R.T. -0.06 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

Tgt Ion:198 Resp: 121010
Ion Ratio Lower Upper
198 100
51 111.2 20.5 60.5#
105 65.0 24.5 64.5#





#65

n-Nitrosodiphenylamine

Concen: 35.03 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

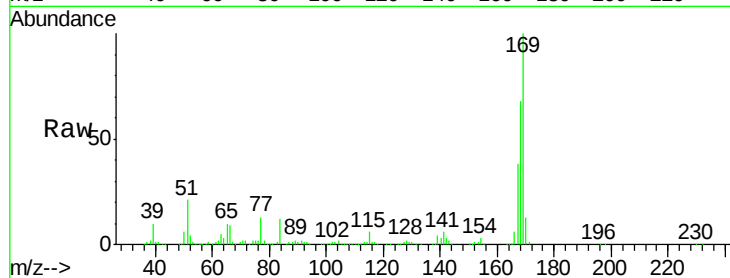
Tgt Ion:169 Resp: 638907

Ion Ratio Lower Upper

169 100

168 68.4 53.8 80.6

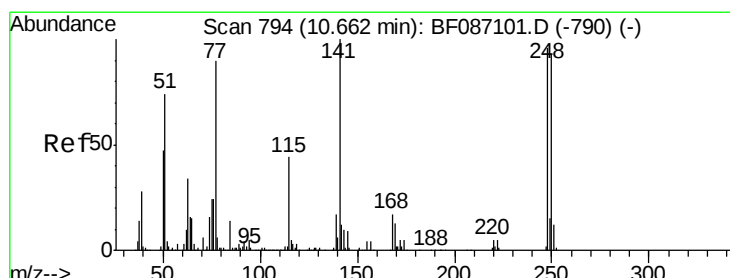
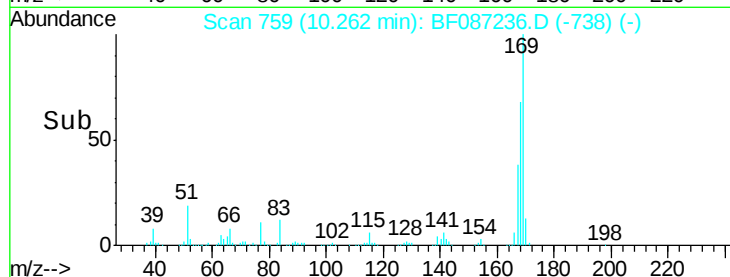
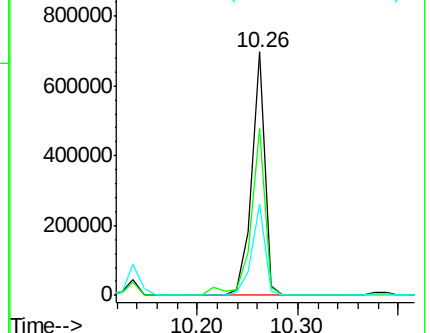
167 37.6 29.5 44.3



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: 32.37 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

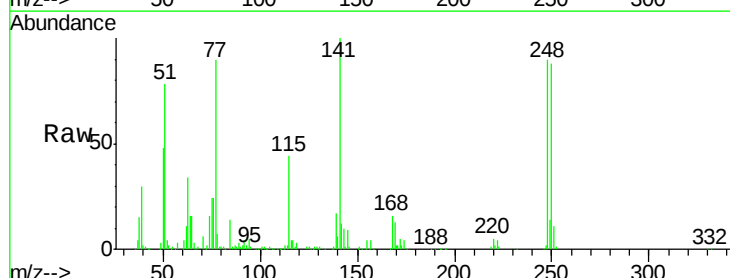
Tgt Ion:248 Resp: 192892

Ion Ratio Lower Upper

248 100

250 97.6 78.6 117.8

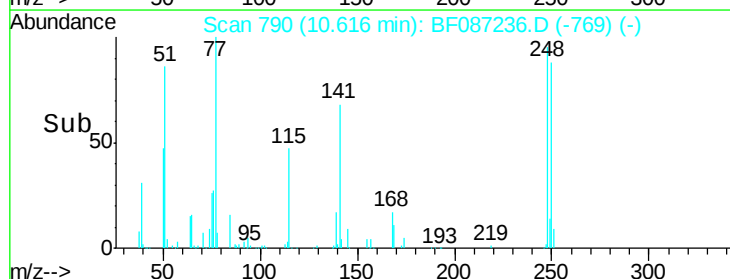
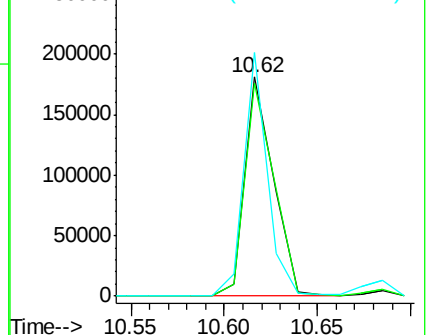
141 111.3 76.0 114.0

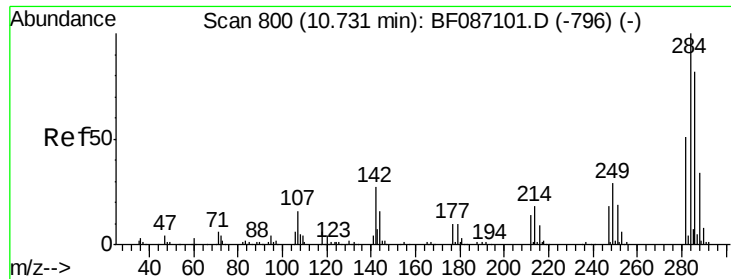


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

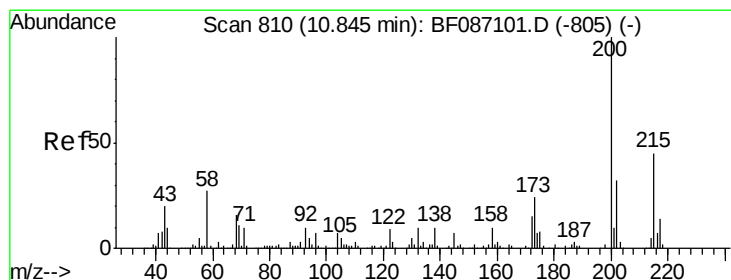
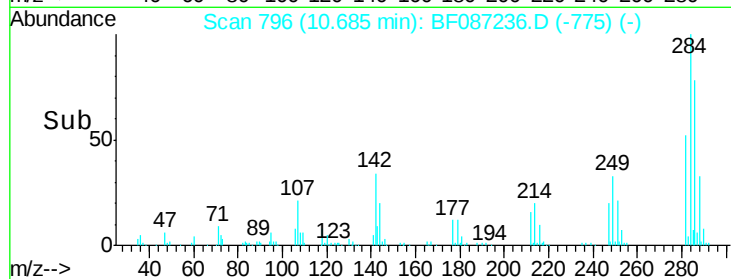
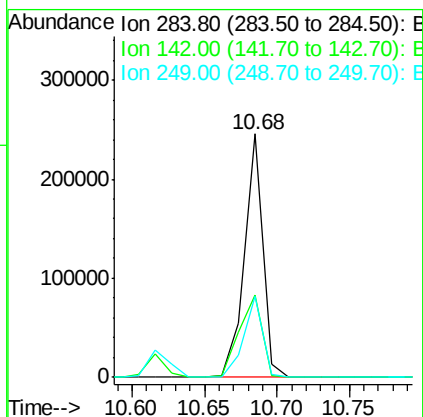
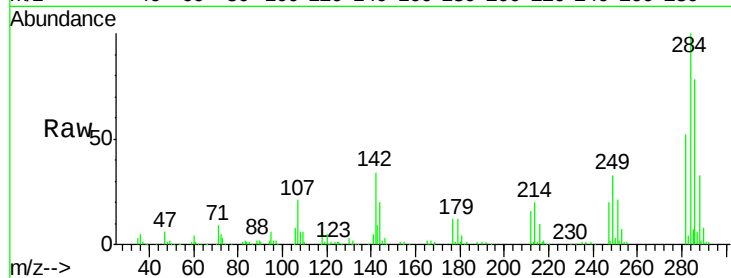




#67
Hexachlorobenzene
Concen: 31.48 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.06 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

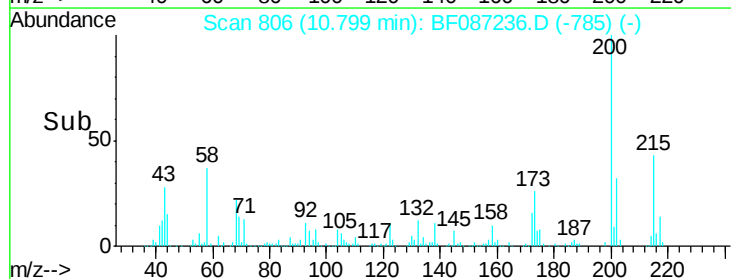
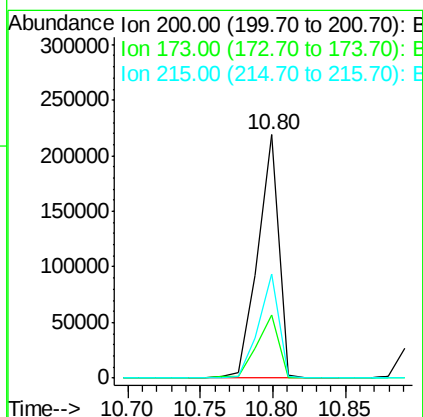
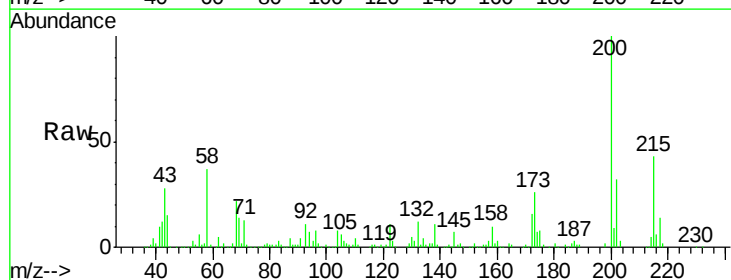
Instrument :
BNA_F
ClientSampleId :
PB90711BS

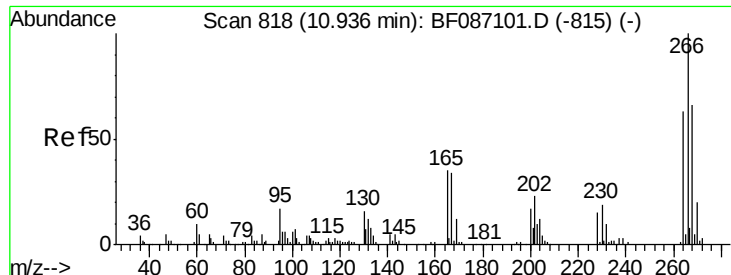
Tgt Ion: 284 Resp: 217485
Ion Ratio Lower Upper
284 100
142 33.8 16.7 25.1#
249 33.1 21.3 31.9#



#68
Atrazine
Concen: 37.01 ng
RT: 10.80 min Scan# 806
Delta R.T. -0.06 min
Lab File: BF087236.D
Acq: 20 May 2016 20:55

Tgt Ion: 200 Resp: 220163
Ion Ratio Lower Upper
200 100
173 25.8 8.5 48.5
215 42.7 27.2 67.2

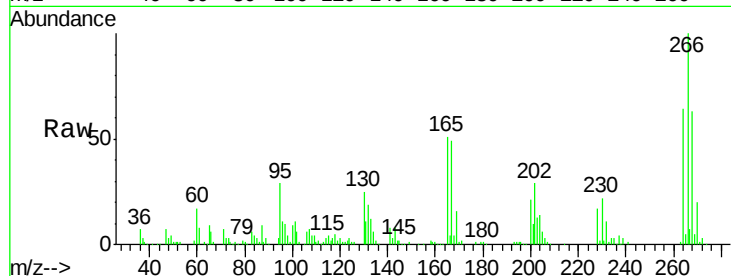




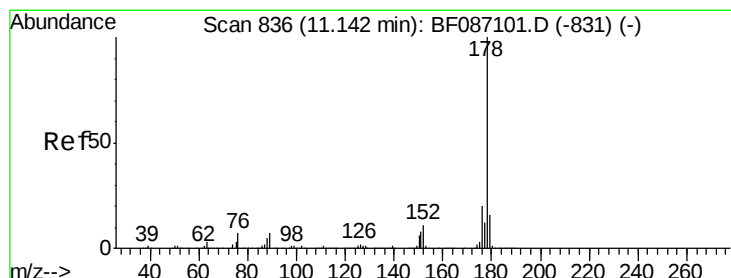
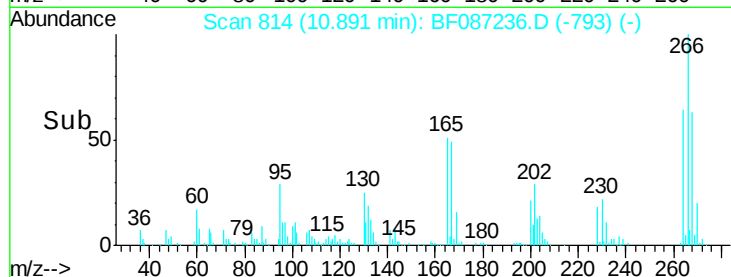
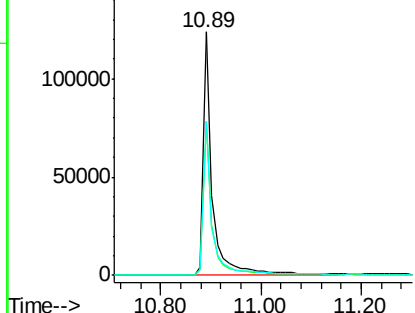
#69
 Pentachlorophenol
 Concen: 61.69 ng
 RT: 10.89 min Scan# 814
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

Tgt Ion:266 Resp: 160131
 Ion Ratio Lower Upper
 266 100
 268 63.1 51.5 77.3
 264 63.5 52.9 79.3

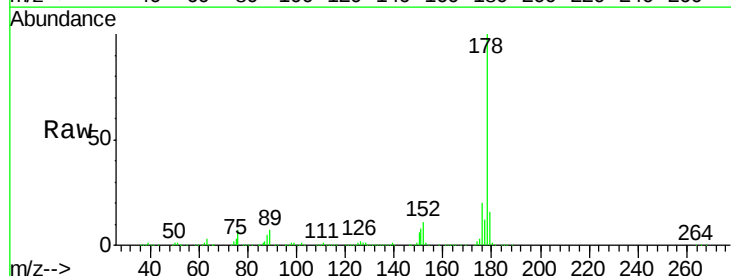


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

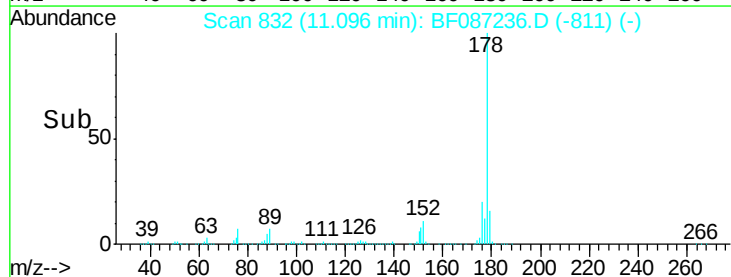
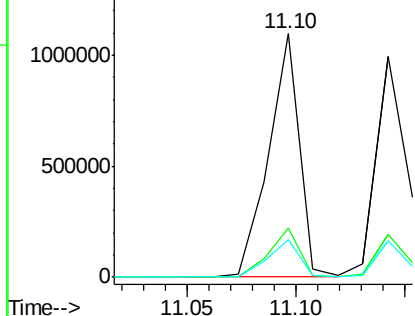


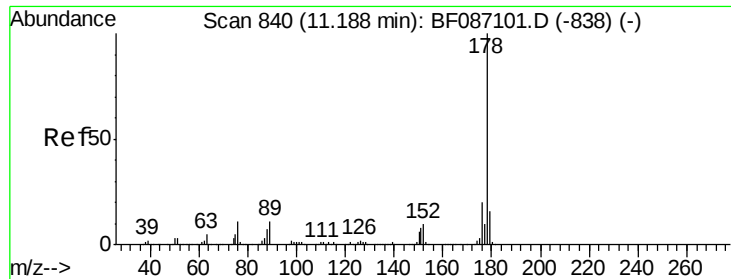
#70
 Phenanthrene
 Concen: 34.47 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion:178 Resp: 1083272
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.0 24.0
 179 15.6 12.6 18.8



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

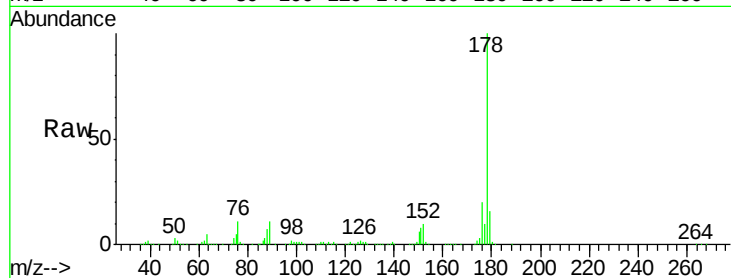




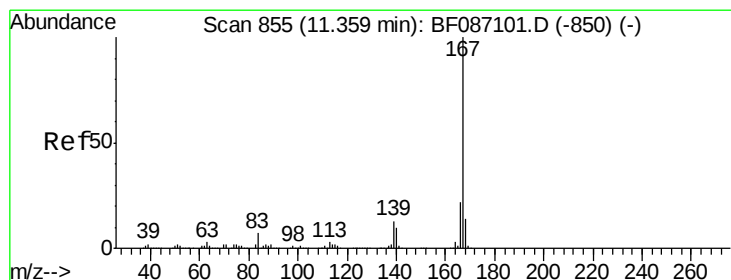
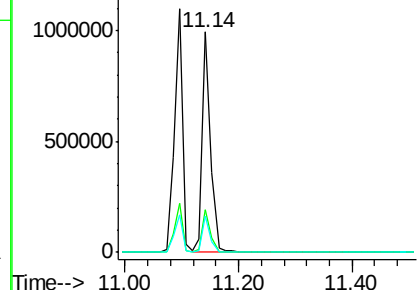
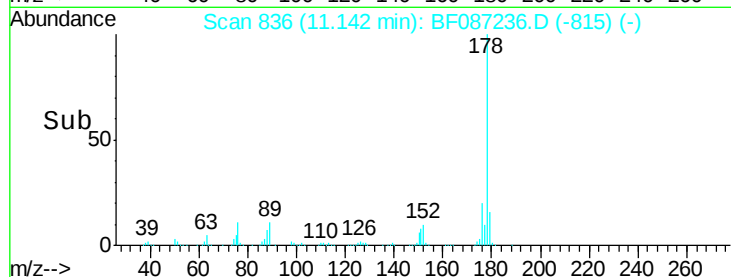
#71
 Anthracene
 Concen: 31.50 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

Tgt Ion:178 Resp: 1001270
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 16.2 12.7 19.1

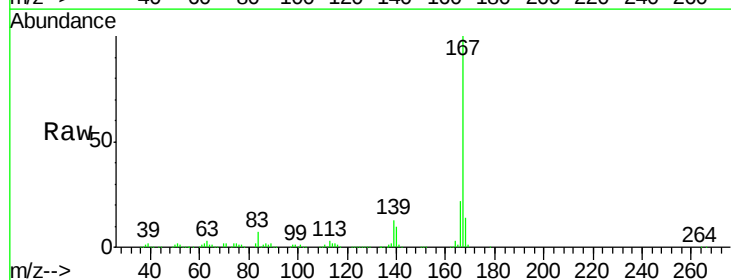


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

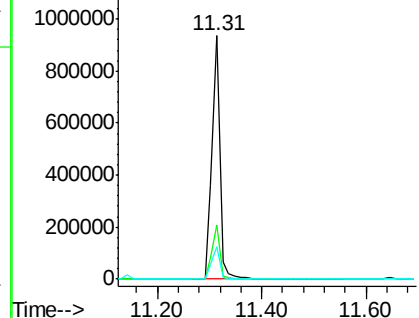
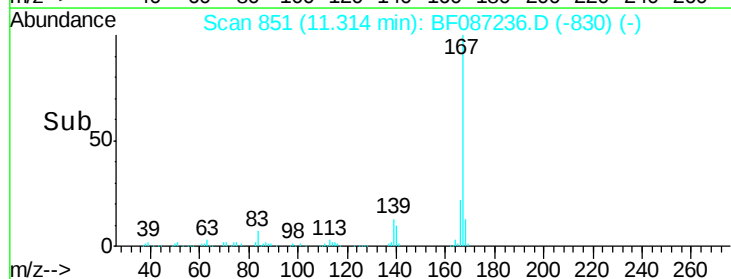


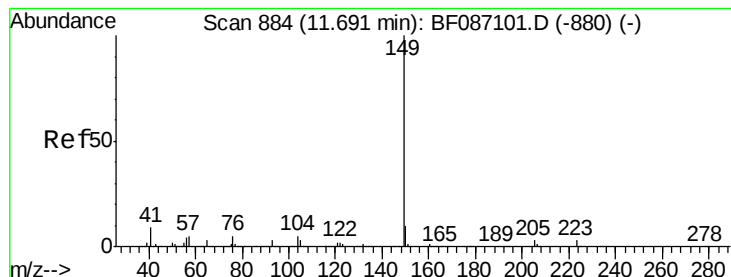
#72
 Carbazole
 Concen: 33.54 ng
 RT: 11.31 min Scan# 851
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion:167 Resp: 974047
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.5 10.8 16.2



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: 37.28 ng

RT: 11.64 min Scan# 880

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

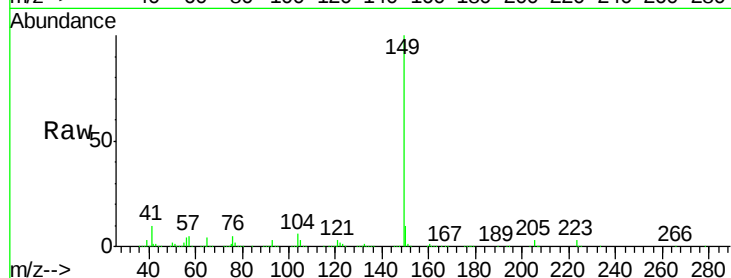
Tgt Ion:149 Resp: 1243573

Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

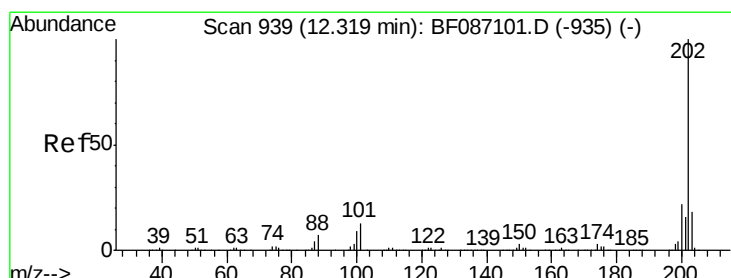
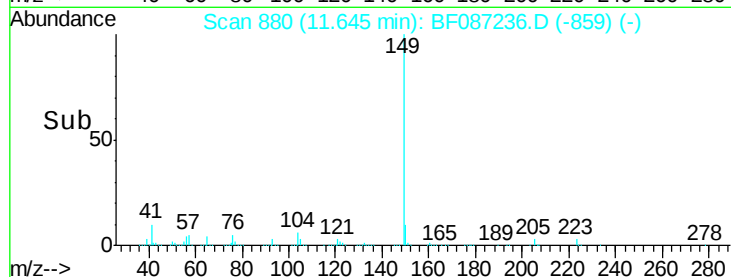
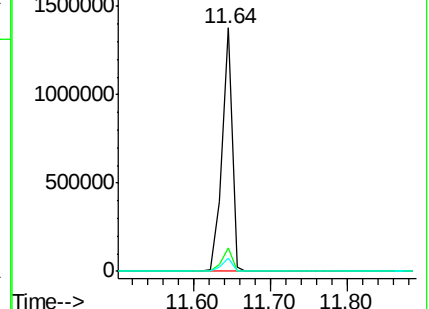
104 5.6 3.8 5.6



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: 32.74 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

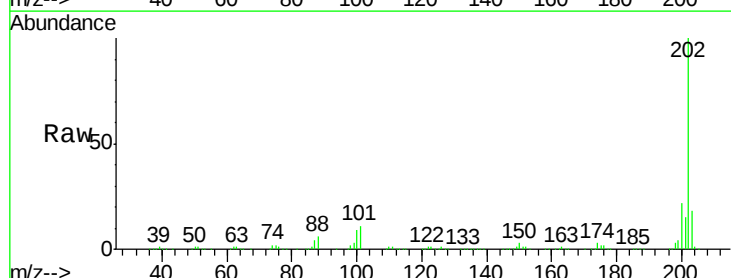
Tgt Ion:202 Resp: 1030947

Ion Ratio Lower Upper

202 100

101 11.4 0.0 35.4

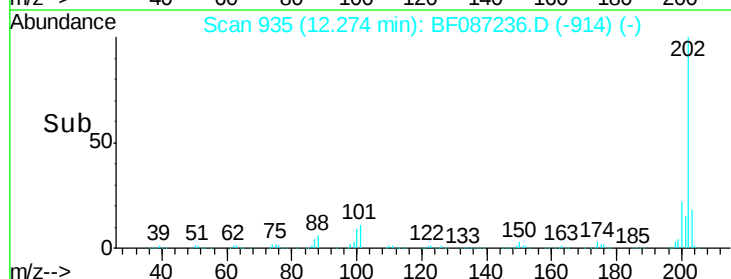
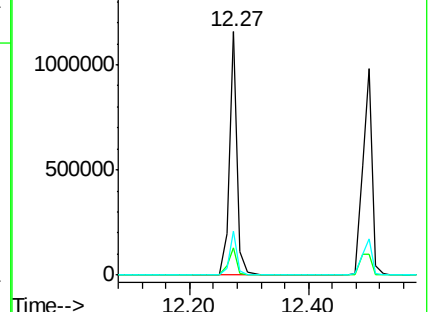
203 17.9 0.0 38.1

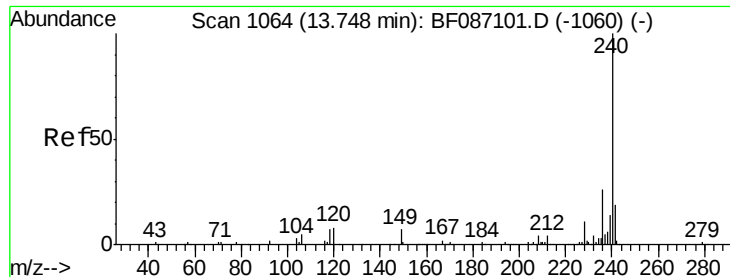


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

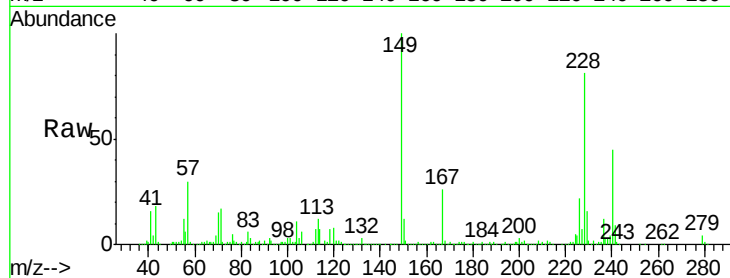
Tgt Ion:240 Resp: 394374

Ion Ratio Lower Upper

240 100

120 17.7 11.2 16.8#

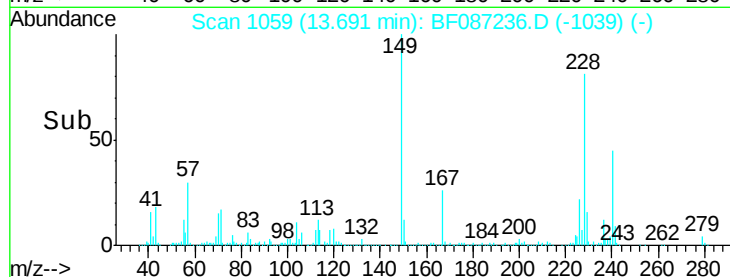
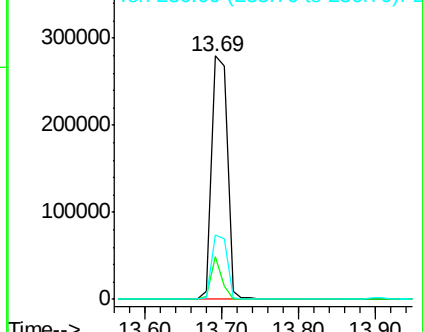
236 26.6 21.2 31.8



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: 18.67 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

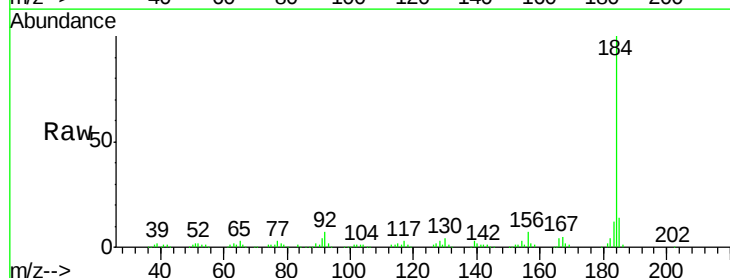
Tgt Ion:184 Resp: 240851

Ion Ratio Lower Upper

184 100

185 14.3 13.6 20.4

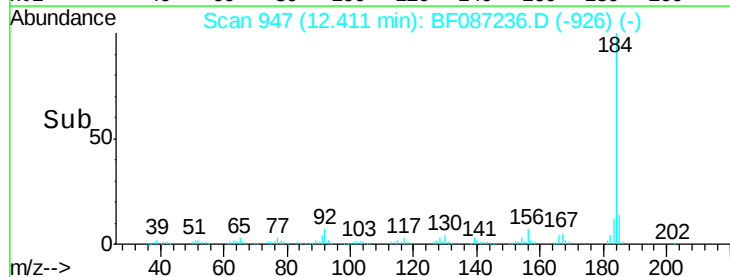
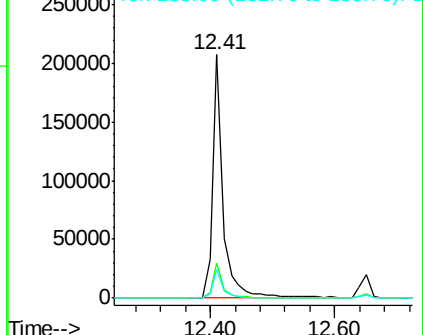
183 11.7 9.8 14.6

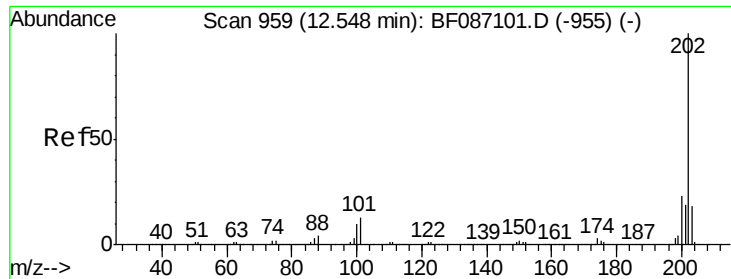


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 37.60 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

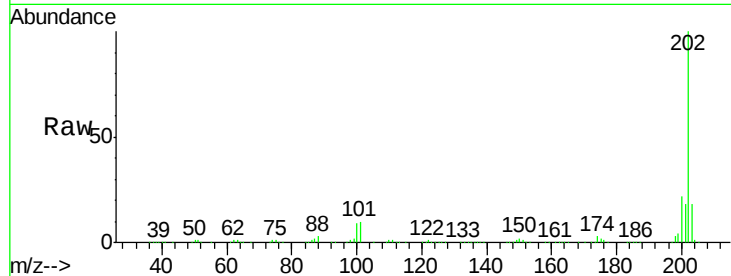
Tgt Ion:202 Resp: 1071289

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

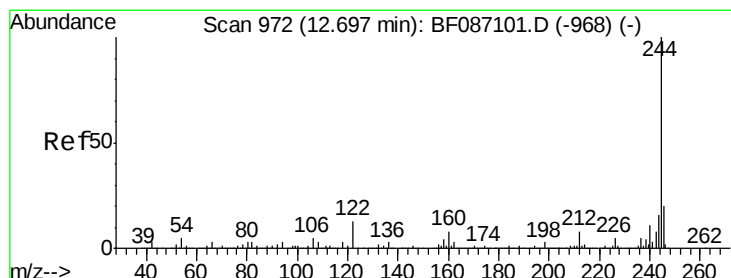
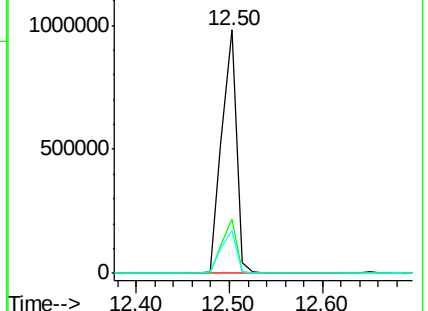
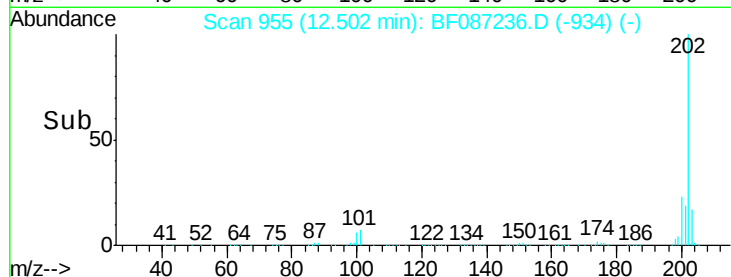
203 17.5 14.2 21.4



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: 73.02 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

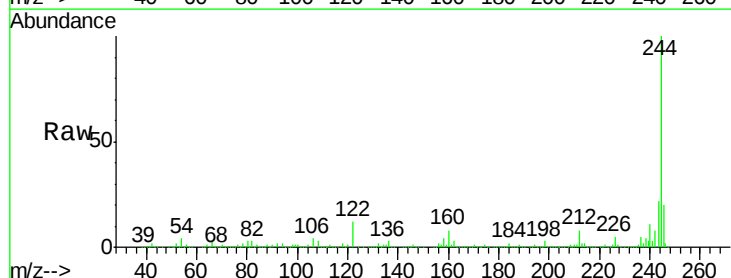
Tgt Ion:244 Resp: 1273053

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

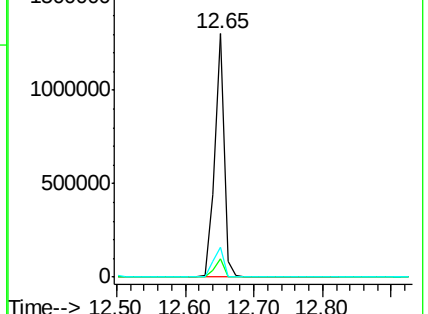
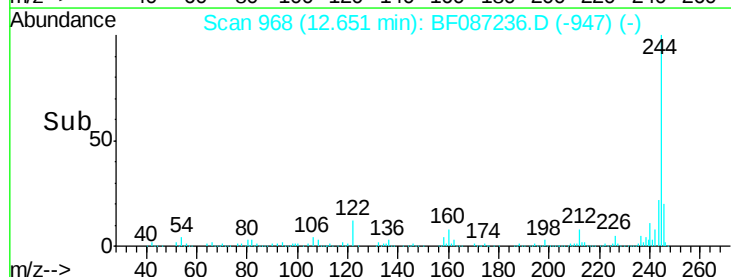
122 12.0 12.0 18.0



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: 42.42 ng

RT: 13.13 min Scan# 1010

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

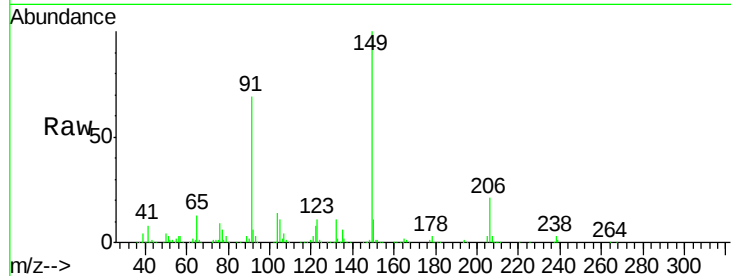
Tgt Ion:149 Resp: 510203

Ion Ratio Lower Upper

149 100

91 68.9 48.0 72.0

206 20.8 15.8 23.6



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

13.13

600000

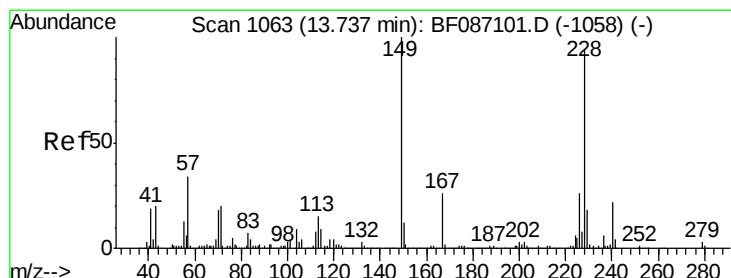
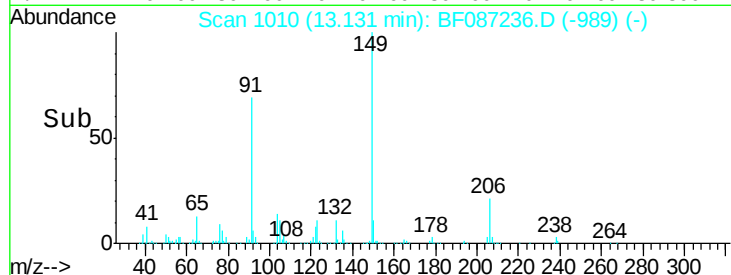
400000

200000

0

13.10 13.20

Time-->



#80

Benzo(a)anthracene

Concen: 34.31 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

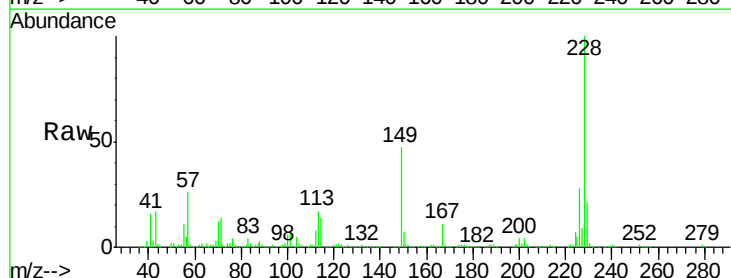
Tgt Ion:228 Resp: 782303

Ion Ratio Lower Upper

228 100

226 28.0 22.5 33.7

229 20.5 16.6 25.0



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

1000000

800000

600000

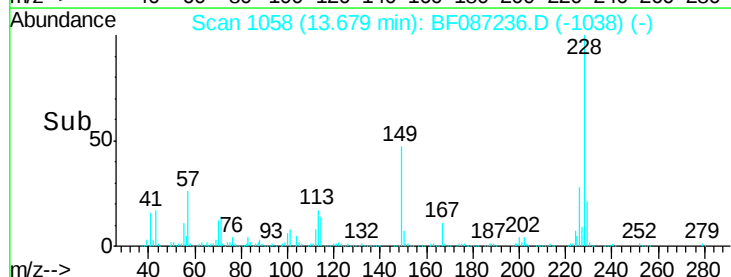
400000

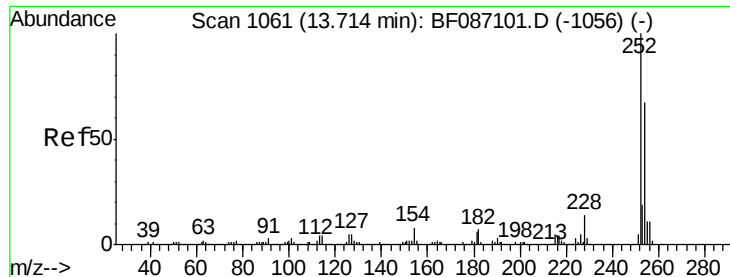
200000

0

13.60 13.65 13.70

Time-->

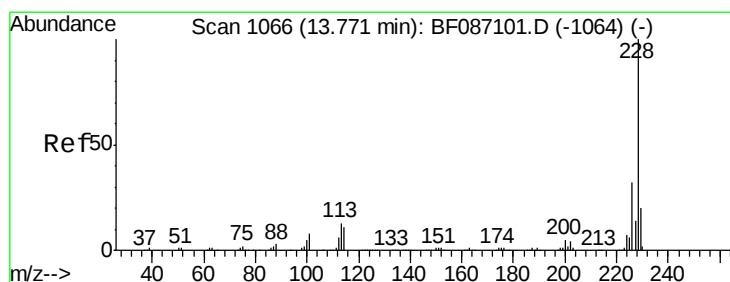
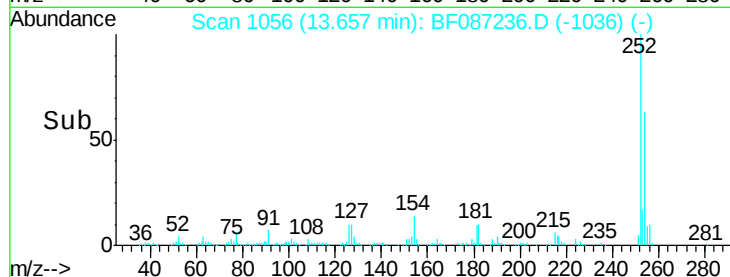
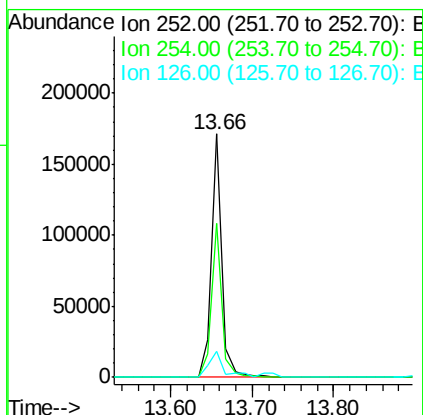
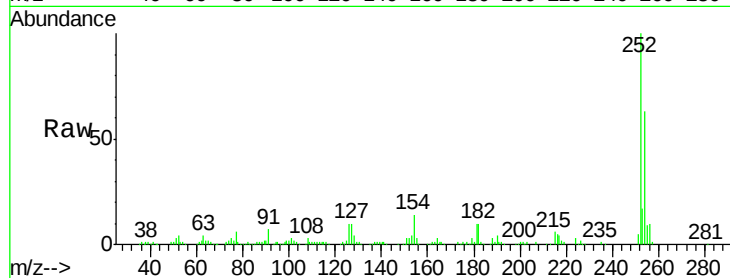




#81
 3,3'-Dichlorobenzidine
 Concen: 10.78 ng
 RT: 13.66 min Scan# 1056
 Delta R.T. -0.07 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

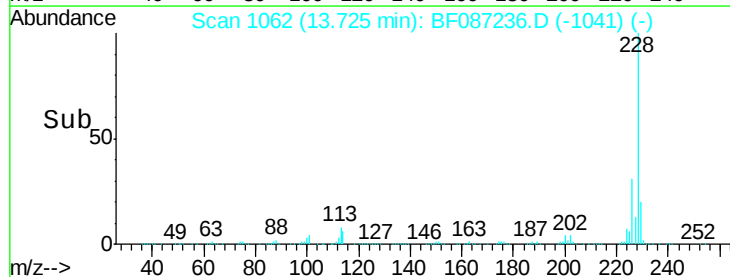
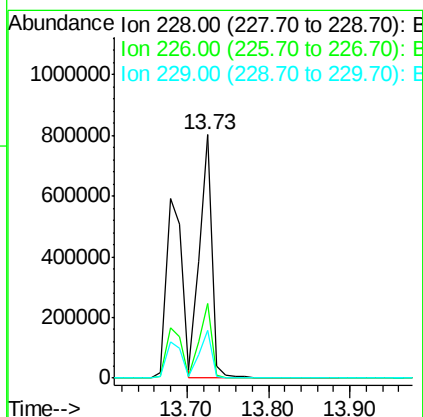
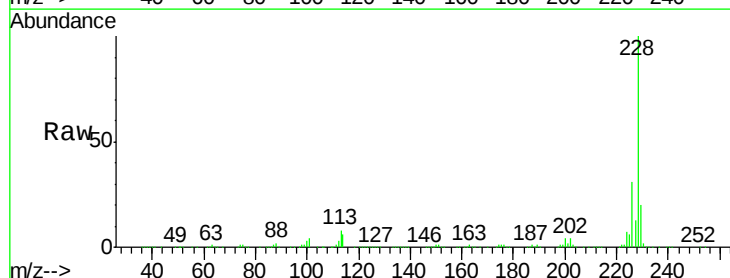
Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

Tgt Ion:252 Resp: 156365
 Ion Ratio Lower Upper
 252 100
 254 63.2 50.7 76.1
 126 10.5 12.7 19.1#



#82
 Chrysene
 Concen: 38.91 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. -0.06 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion:228 Resp: 858479
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.4 36.6
 229 19.6 15.8 23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.40 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

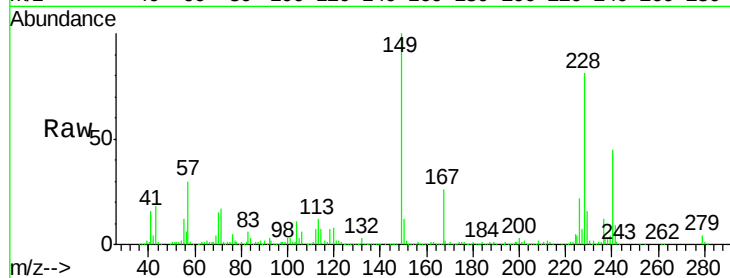
Tgt Ion:149 Resp: 635251

Ion Ratio Lower Upper

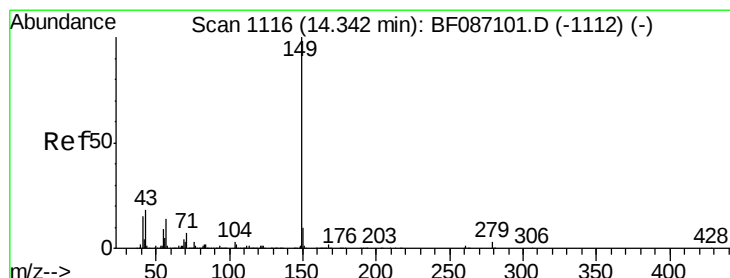
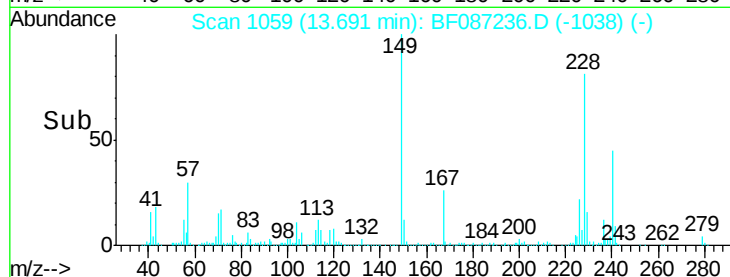
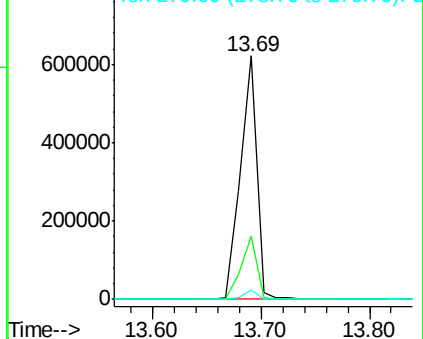
149 100

167 26.2 21.8 32.6

279 3.7 2.6 4.0



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: 42.11 ng

RT: 14.30 min Scan# 1112

Delta R.T. -0.06 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

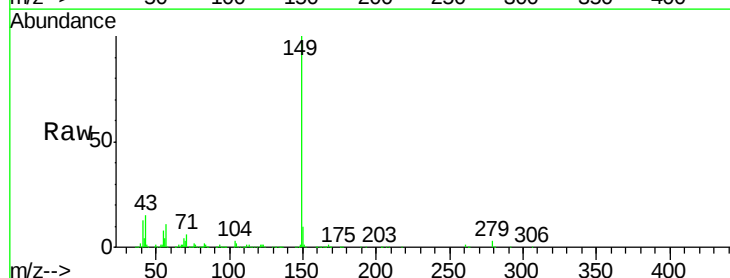
Tgt Ion:149 Resp: 1061898

Ion Ratio Lower Upper

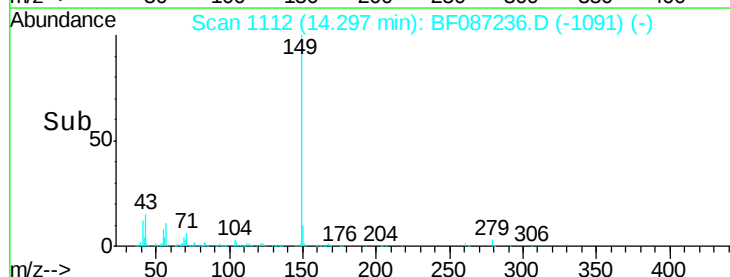
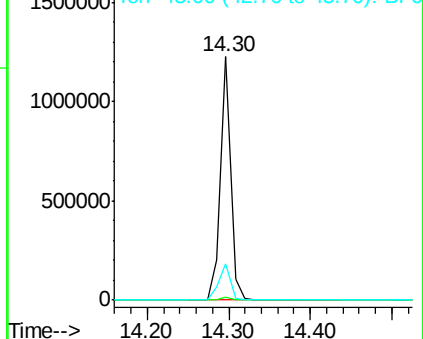
149 100

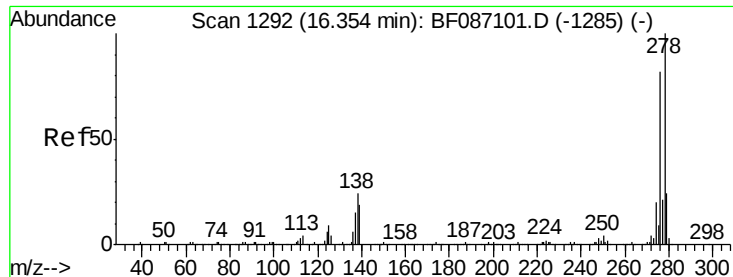
167 1.5 1.2 1.8

43 16.6 8.2 12.4#



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

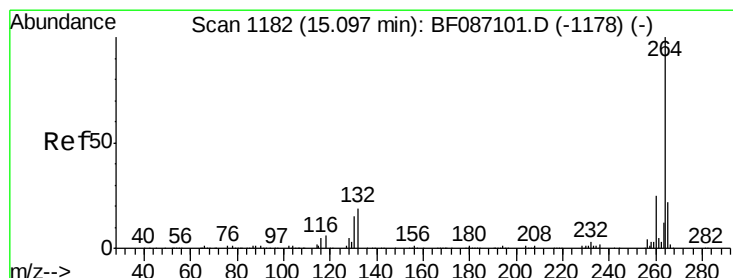
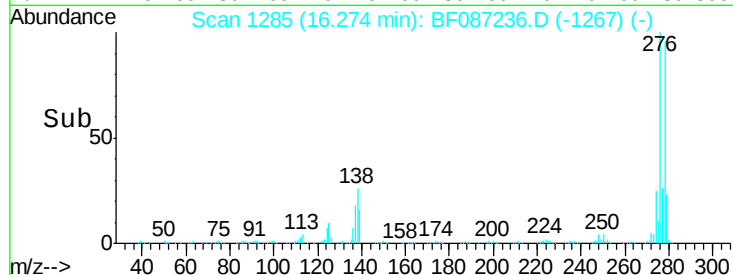
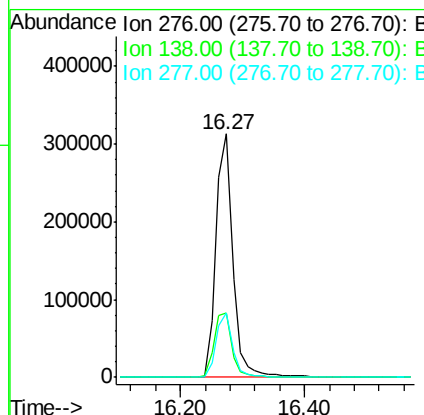
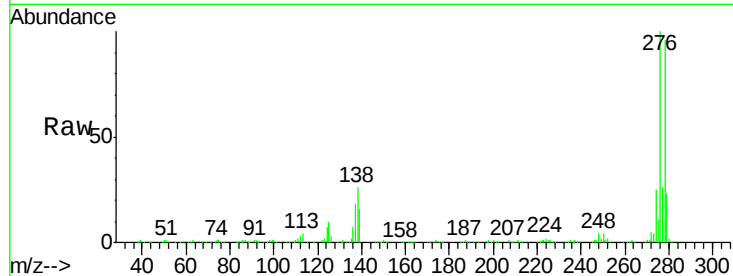




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 30.15 ng
 RT: 16.27 min Scan# 1285
 Delta R.T. -0.09 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

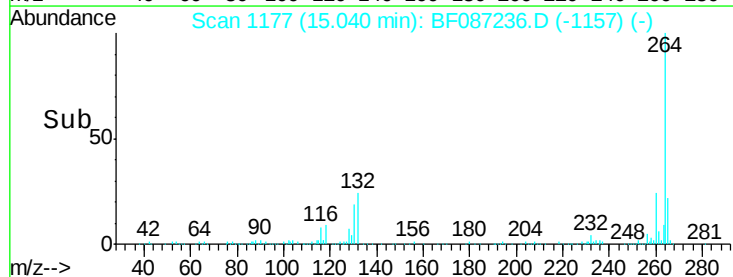
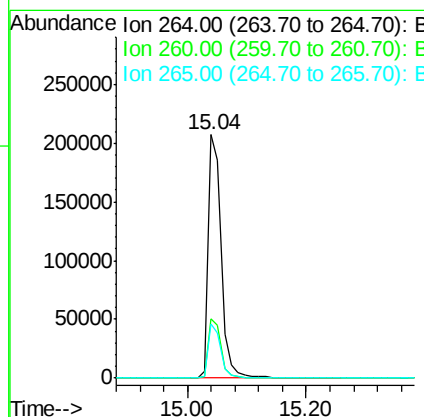
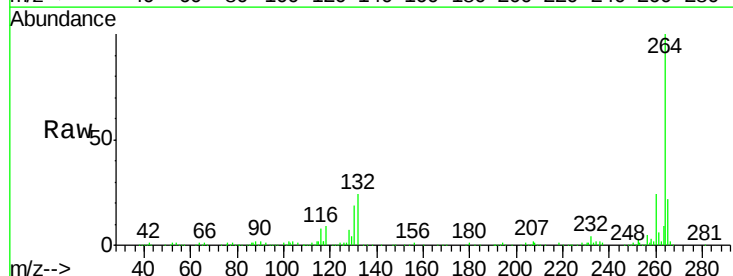
Instrument :
 BNA_F
 ClientSampleId :
 PB90711BS

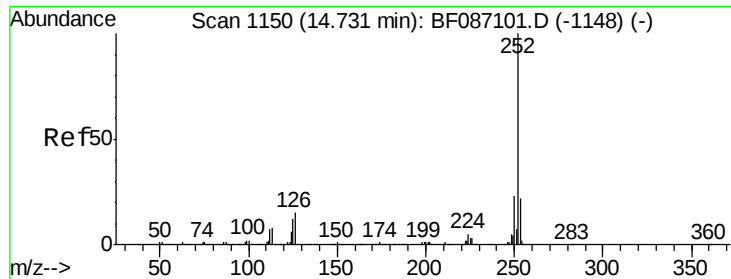
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.6	38.4
277	25.8	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. -0.07 min
 Lab File: BF087236.D
 Acq: 20 May 2016 20:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 62.09 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.06 min

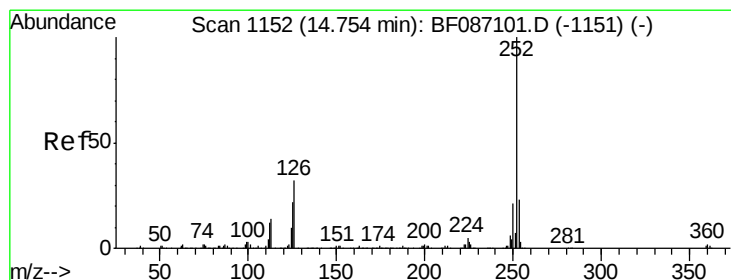
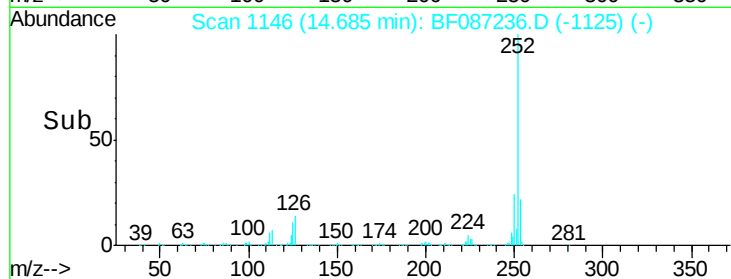
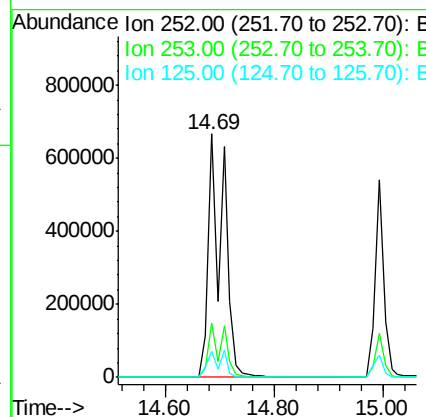
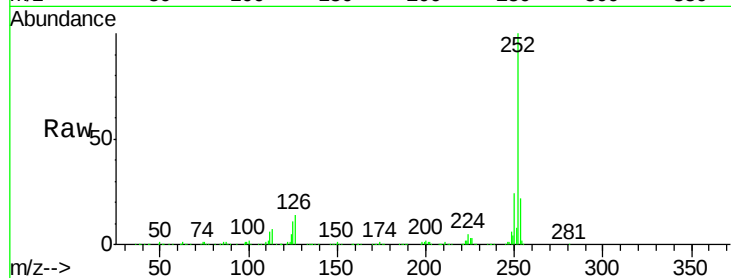
Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :
BNA_F
ClientSampleId :
PB90711BS

Tgt Ion:252 Resp: 1306968

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.6	11.4	17.0



#88

Benzo(k)fluoranthene

Concen: 83.46 ng

RT: 14.69 min Scan# 1146

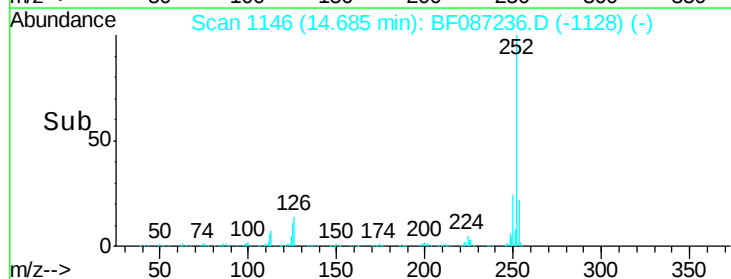
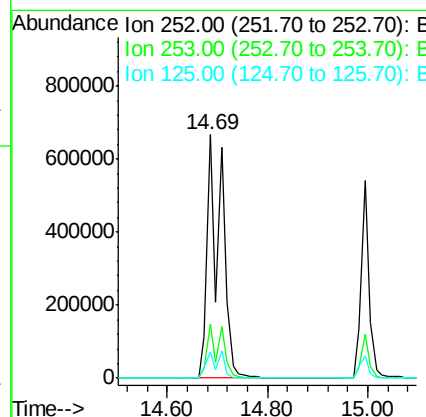
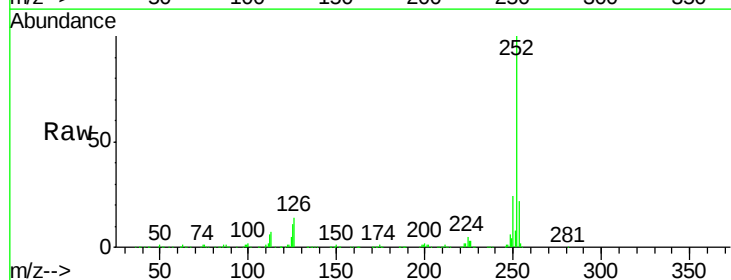
Delta R.T. -0.09 min

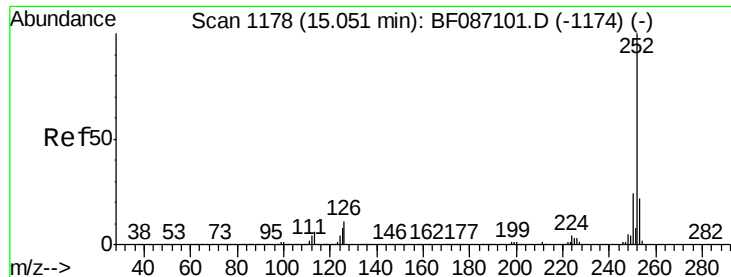
Lab File: BF087236.D

Acq: 20 May 2016 20:55

Tgt Ion:252 Resp: 1307743

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.6	9.1	13.7





#89

Benzo(a)pyrene

Concen: 34.25 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.07 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

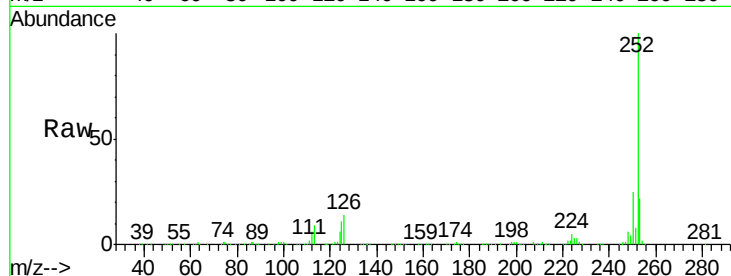
Tgt Ion:252 Resp: 602571

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

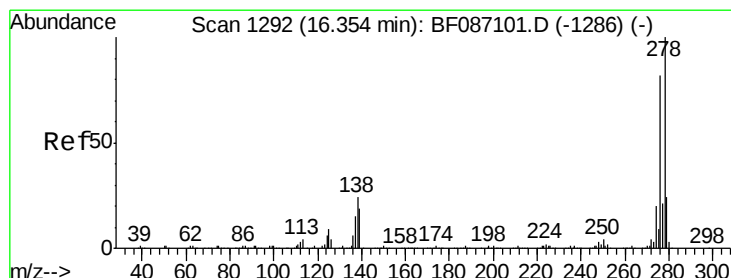
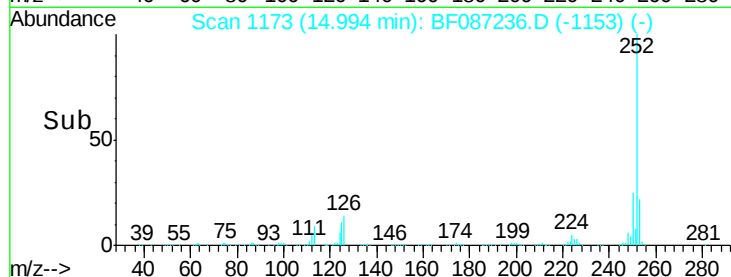
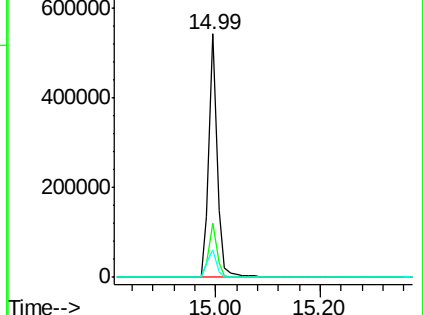
125 11.4 9.0 13.6



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: 34.09 ng

RT: 16.27 min Scan# 1285

Delta R.T. -0.10 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

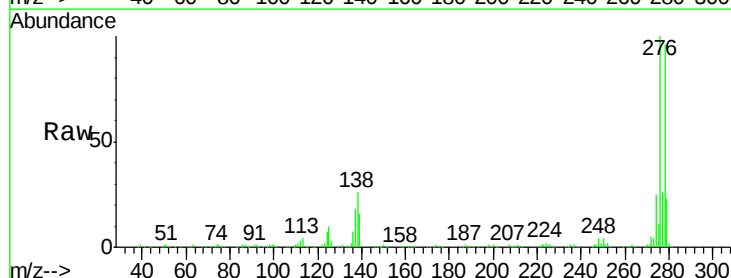
Tgt Ion:278 Resp: 504978

Ion Ratio Lower Upper

278 100

139 17.1 16.6 24.8

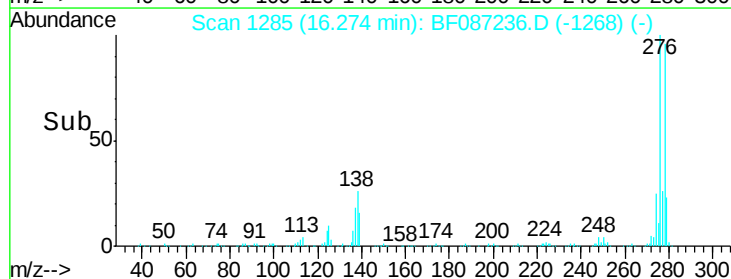
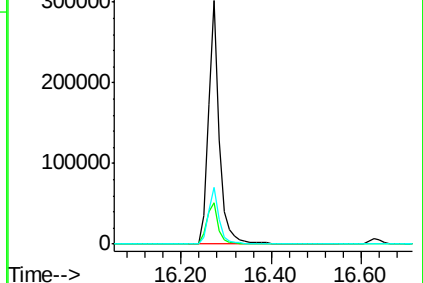
279 23.4 19.6 29.4

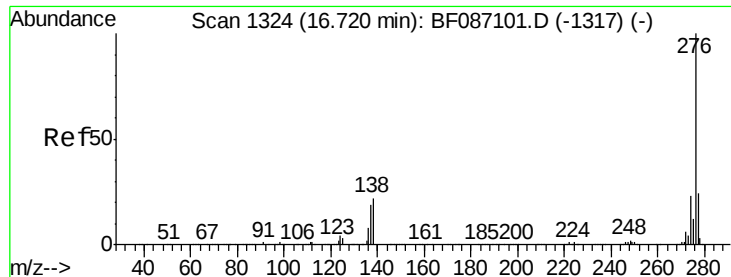


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 33.80 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.11 min

Lab File: BF087236.D

Acq: 20 May 2016 20:55

Instrument :

BNA_F

ClientSampleId :

PB90711BS

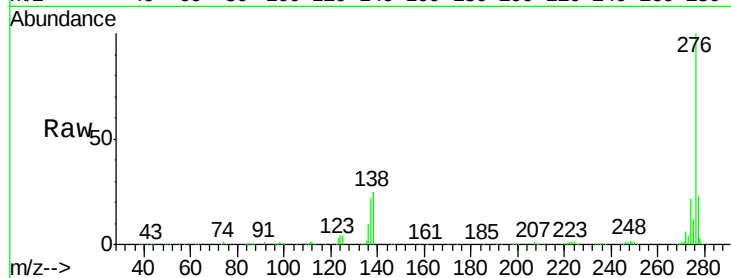
Tgt Ion: 276 Resp: 505669

Ion Ratio Lower Upper

276 100

277 23.1 19.6 29.4

138 25.1 23.6 35.4



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

