

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
 Data File : BF084845.D
 Acq On : 4 Feb 2016 23:00
 Operator : SJ/IZ
 Sample : H1320-18MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

Quant Time: Feb 05 01:41:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	151577	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	613838	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	263179	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	411820	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	283220	20.00	ng	0.00
86) Perylene-d12	15.21	264	323875	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	1197397	123.04	ng	0.00
7) Phenol-d6	6.34	99	1513140	125.42	ng	0.00
23) Nitrobenzene-d5	7.25	82	936034	85.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	279445	101.79	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	1376660	89.78	ng	-0.01
78) Terphenyl-d14	12.77	244	876194	70.10	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.21	88	147543	34.61	ng	# 74
3) Pyridine	2.88	79	466968	42.05	ng	# 79
4) n-Nitrosodimethylamine	2.82	42	239720	41.73	ng	81
6) Aniline	6.34	93	298692	20.23	ng	# 33
8) 2-Chlorophenol	6.46	128	479005	43.49	ng	98
9) Benzaldehyde	6.21	77	173188	24.31	ng	95
10) Phenol	6.35	94	595399	44.05	ng	88
11) bis(2-Chloroethyl)ether	6.42	93	434511	41.23	ng	85
12) 1,3-Dichlorobenzene	6.61	146	473957	40.73	ng	# 95
13) 1,4-Dichlorobenzene	6.69	146	498605	42.86	ng	95
14) 1,2-Dichlorobenzene	6.84	146	407767	37.63	ng	95
15) Benzyl Alcohol	6.83	79	364920	43.80	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.97	45	700089	39.49	ng	91
17) 2-Methylphenol	6.96	107	382293	43.88	ng	# 92
18) Hexachloroethane	7.18	117	172990	38.61	ng	97
19) n-Nitroso-di-n-propylamine	7.10	70	318963	42.18	ng	# 77
20) 3+4-Methylphenols	7.12	107	485681	44.92	ng	91
22) Acetophenone	7.09	105	638360	39.46	ng	# 97
24) Nitrobenzene	7.26	77	444134	38.06	ng	96
25) Isophorone	7.50	82	836390	39.47	ng	98
26) 2-Nitrophenol	7.58	139	258613	44.94	ng	# 90
27) 2,4-Dimethylphenol	7.63	122	386524	38.61	ng	98
28) bis(2-Chloroethoxy)methane	7.72	93	506968	40.33	ng	99
29) 2,4-Dichlorophenol	7.84	162	355841	41.55	ng	92
30) 1,2,4-Trichlorobenzene	7.90	180	373356	38.59	ng	96
31) Naphthalene	7.98	128	1481508	48.12	ng	100
32) Benzoic acid	7.63	122	386524	60.37	ng	# 19
33) 4-Chloroaniline	8.04	127	133035	10.45	ng	95
34) Hexachlorobutadiene	8.11	225	224980	40.33	ng	99
35) Caprolactam	8.41	113	109512	41.48	ng	# 47
36) 4-Chloro-3-methylphenol	8.53	107	379511	38.84	ng	90
37) 2-Methylnaphthalene	8.68	142	862290	44.75	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	340252	40.71	ng	99
40) Hexachlorocyclopentadiene	8.83	237	90880	32.94	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.96	196	216216	40.15	ng	97
43) 2,4,5-Trichlorophenol	9.00	196	228857	41.83	ng #	82
45) 1,1'-Biphenyl	9.14	154	936377	39.83	ng	98
46) 2-Chloronaphthalene	9.16	162	711109	41.08	ng	94
47) 2-Nitroaniline	9.26	65	227146	41.44	ng	95
48) Acenaphthylene	9.57	152	1154619	43.95	ng	97
49) Dimethylphthalate	9.45	163	960155	47.90	ng #	90
50) 2,6-Dinitrotoluene	9.52	165	181592	41.47	ng	91
51) Acenaphthene	9.74	154	735197	43.02	ng	97
52) 3-Nitroaniline	9.68	138	147833	30.04	ng	89
53) 2,4-Dinitrophenol	9.79	184	2179	6.80	ng #	62
54) Dibenzofuran	9.92	168	959190	45.92	ng	91
55) 4-Nitrophenol	9.86	139	182990	50.60	ng	89
56) 2,4-Dinitrotoluene	9.92	165	233105	41.74	ng #	89
57) Fluorene	10.26	166	770817	44.19	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.04	232	160277	38.48	ng	90
59) Diethylphthalate	10.14	149	758450	38.75	ng	98
60) 4-Chlorophenyl-phenylether	10.26	204	340181	46.69	ng	93
61) 4-Nitroaniline	10.28	138	174915	36.48	ng	93
62) Azobenzene	10.42	77	815225	43.32	ng	88
64) 4,6-Dinitro-2-methylphenol	10.32	198	18818	7.40	ng #	49
65) n-Nitrosodiphenylamine	10.37	169	612744	46.86	ng	99
66) 4-Bromophenyl-phenylether	10.74	248	194522	42.77	ng #	70
67) Hexachlorobenzene	10.81	284	215290	43.44	ng	99
68) Atrazine	10.91	200	171431	41.51	ng	99
69) Pentachlorophenol	11.00	266	101332	43.50	ng	96
70) Phenanthrene	11.22	178	2505287	109.68	ng	96
71) Anthracene	11.28	178	1477998	64.22	ng	100
72) Carbazole	11.43	167	885304	44.11	ng	99
73) Di-n-butylphthalate	11.77	149	1007308	39.42	ng #	96
74) Fluoranthene	12.41	202	3381063	146.25	ng	97
76) Benzidine	12.53	184	226835	23.60	ng	99
77) Pyrene	12.64	202	3100609	142.99	ng	95
79) Butylbenzylphthalate	13.27	149	414797	42.17	ng #	89
80) Benzo(a)anthracene	13.83	228	1892962	107.69	ng	94
81) 3,3'-Dichlorobenzidine	13.79	252	128802	20.69	ng #	94
82) Chrysene	13.86	228	1269388	74.47	ng	96
83) Bis(2-ethylhexyl)phthalate	13.83	149	456739	37.31	ng	98
84) Di-n-octyl phthalate	14.44	149	916294	45.37	ng #	88
85) Indeno(1,2,3-cd)pyrene	16.52	276	1508702	112.45	ng	96
87) Benzo(b)fluoranthene	14.84	252	3480654	159.95	ng #	95
88) Benzo(k)fluoranthene	14.84	252	3480654	193.45	ng	98
89) Benzo(a)pyrene	15.17	252	2003558	108.06	ng #	95
90) Dibenzo(a,h)anthracene	16.52	278	845939	54.20	ng	95
91) Benzo(g,h,i)perylene	16.91	276	1393476	88.63	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.01 min

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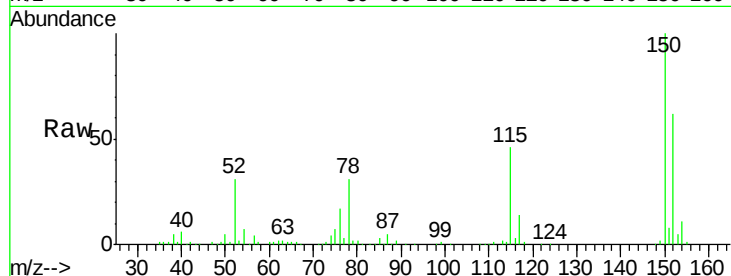
Tgt Ion:152 Resp: 151577

Ion Ratio Lower Upper

152 100

150 161.2 123.0 184.4

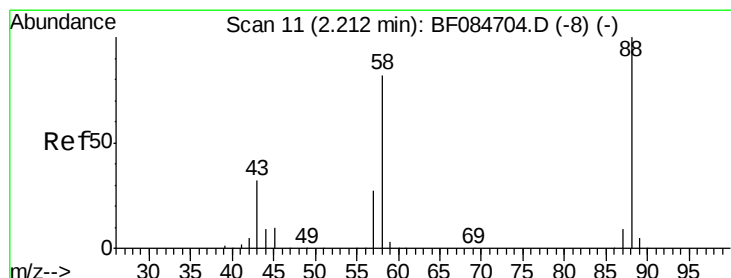
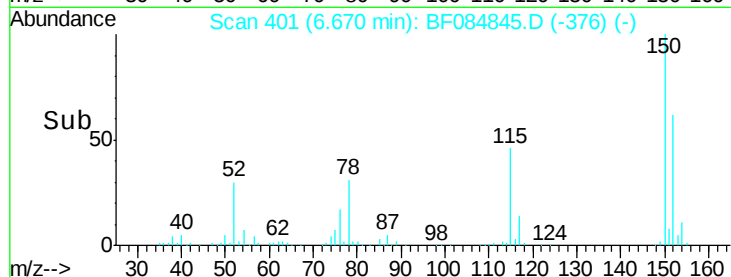
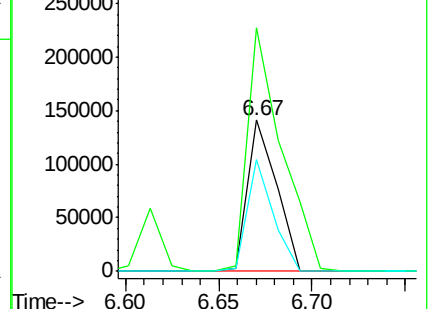
115 73.8 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.61 ng

RT: 2.21 min Scan# 11

Delta R.T. 0.03 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

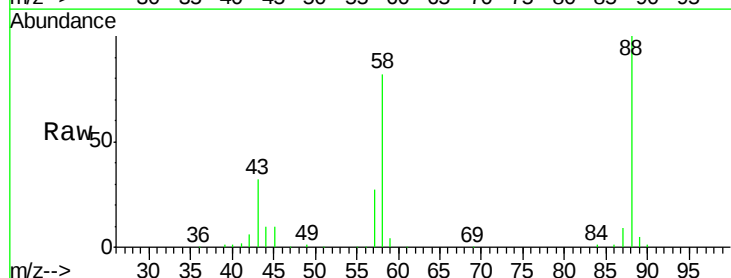
Tgt Ion: 88 Resp: 147543

Ion Ratio Lower Upper

88 100

58 86.6 51.2 76.8#

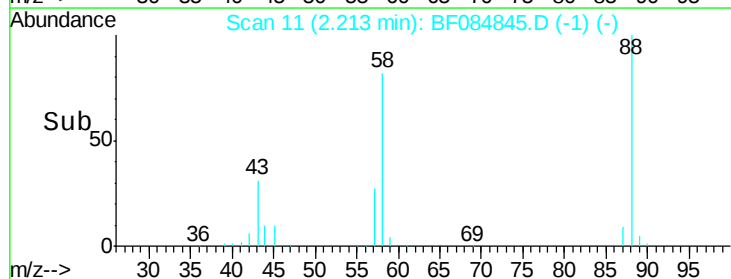
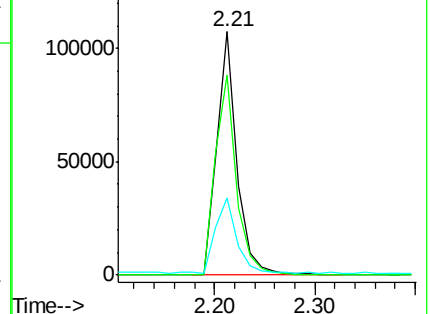
43 33.3 19.5 29.3#

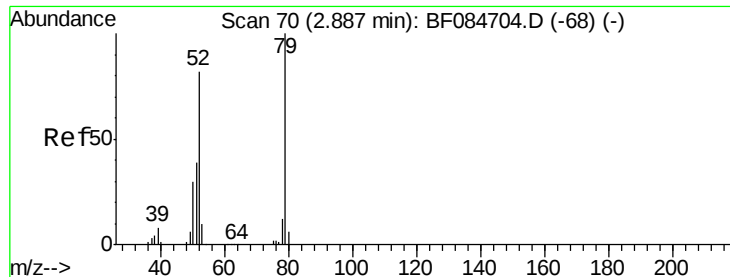


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 42.05 ng

RT: 2.88 min Scan# 69

Delta R.T. 0.03 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

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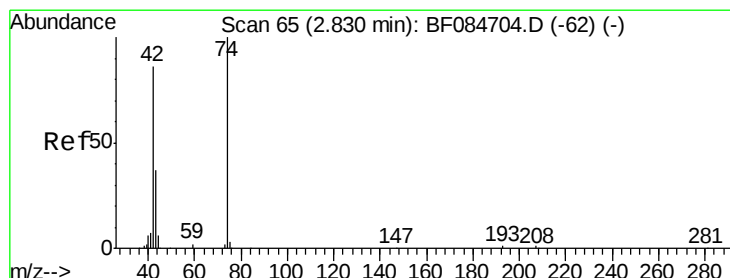
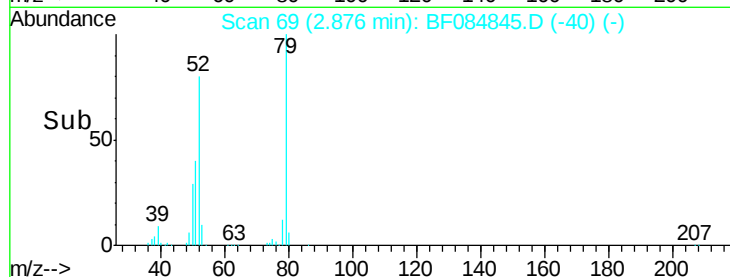
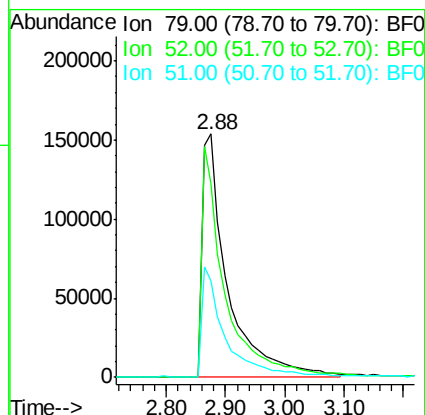
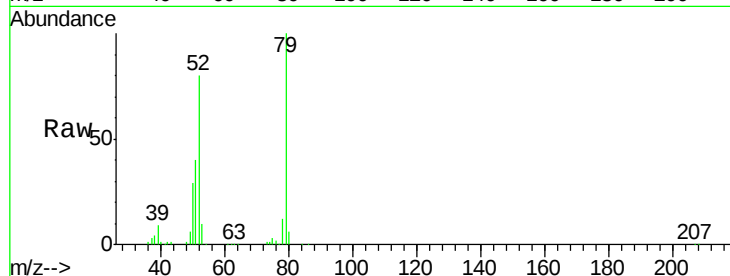
Tgt Ion: 79 Resp: 466968

Ion Ratio Lower Upper

79 100

52 79.7 49.0 73.4#

51 39.8 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 41.73 ng

RT: 2.82 min Scan# 64

Delta R.T. 0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

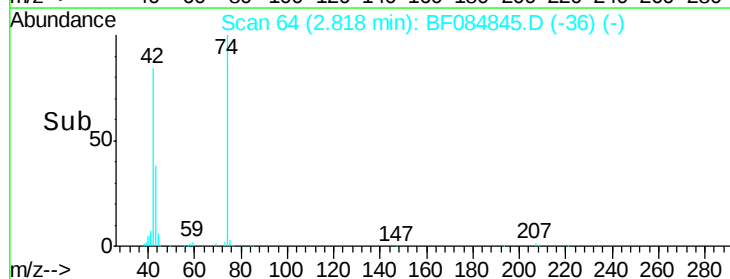
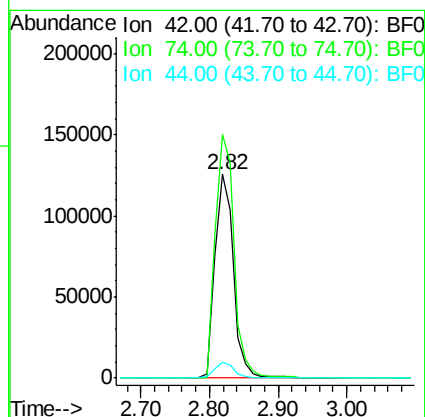
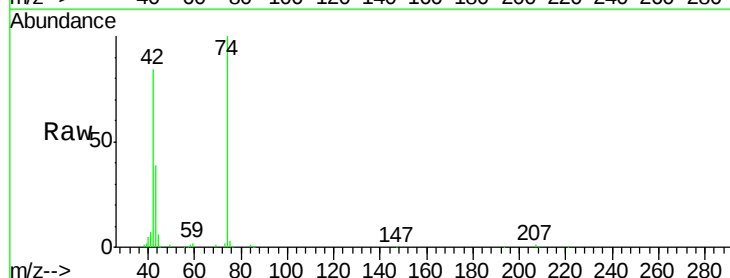
Tgt Ion: 42 Resp: 239720

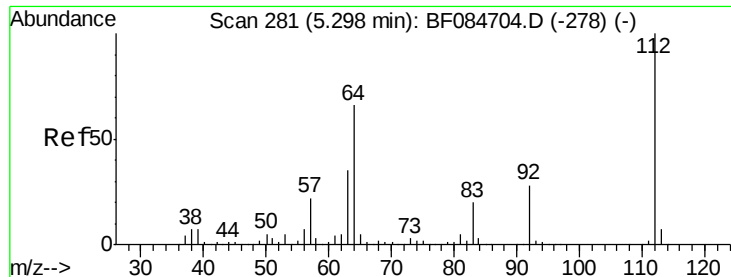
Ion Ratio Lower Upper

42 100

74 119.5 115.7 173.5

44 7.5 5.1 7.7





#5

2-Fluorophenol

Concen: 123.04 ng

RT: 5.28 min Scan# 279

Delta R.T. 0.00 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

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ClientSampleId :

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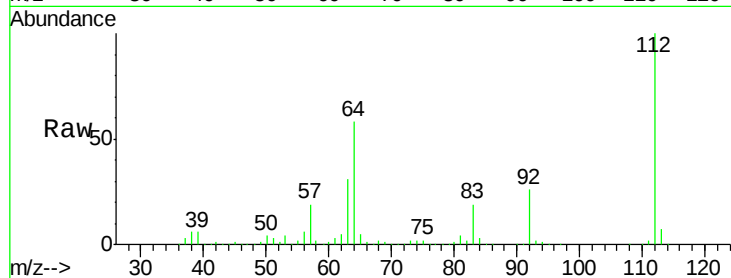
Tgt Ion: 112 Resp: 1197397

Ion Ratio Lower Upper

112 100

64 58.5 36.6 55.0#

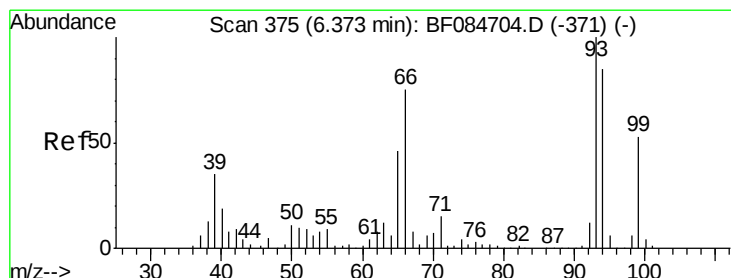
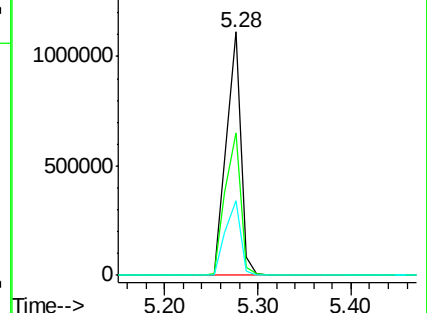
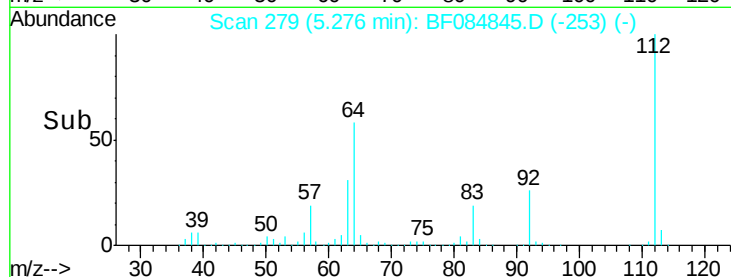
63 30.8 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 20.23 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

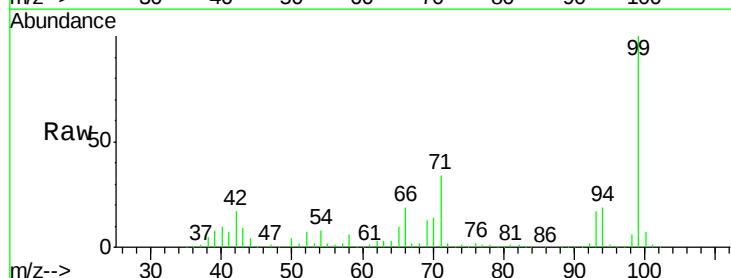
Tgt Ion: 93 Resp: 298692

Ion Ratio Lower Upper

93 100

66 108.7 44.9 67.3#

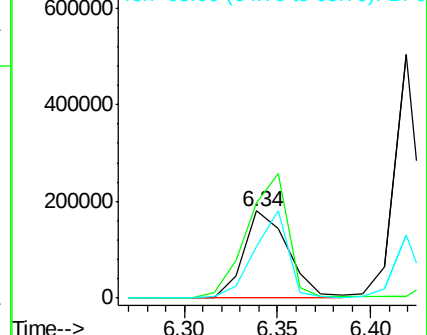
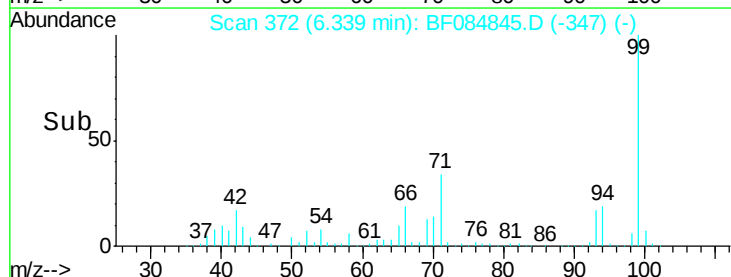
65 60.0 23.7 35.5#

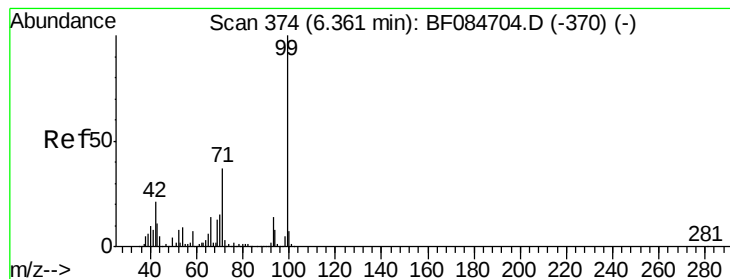


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 125.42 ng

RT: 6.34 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

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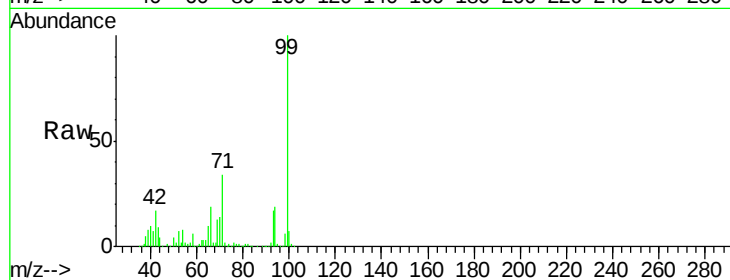
Tgt Ion: 99 Resp: 1513140

Ion Ratio Lower Upper

99 100

42 17.0 12.8 19.2

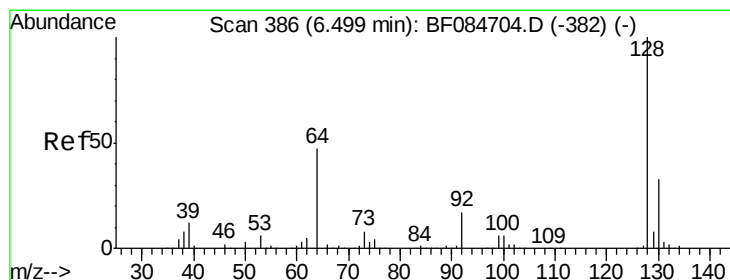
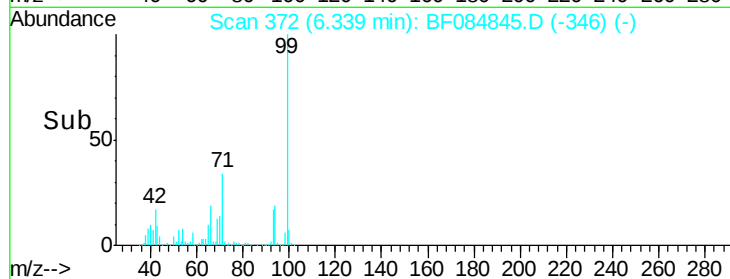
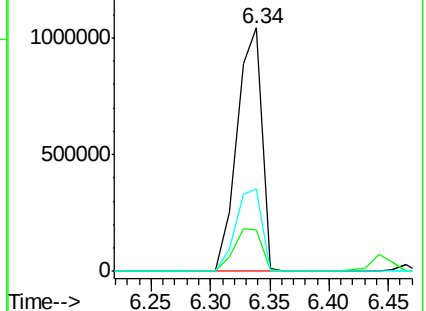
71 33.8 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 43.49 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

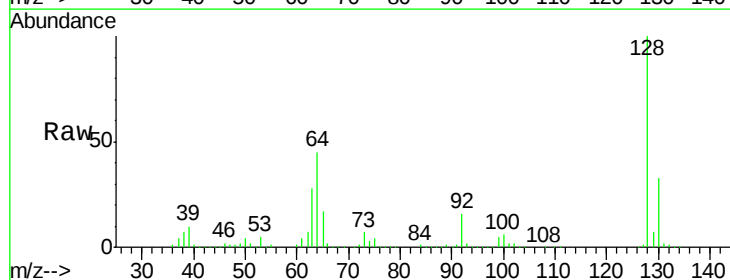
Tgt Ion: 128 Resp: 479005

Ion Ratio Lower Upper

128 100

130 33.5 11.6 51.6

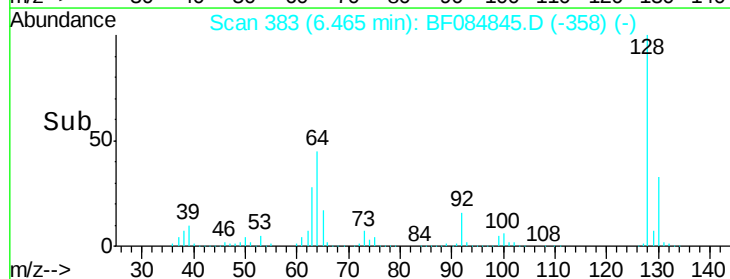
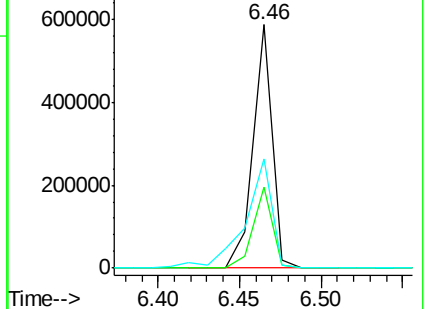
64 44.8 23.8 63.8

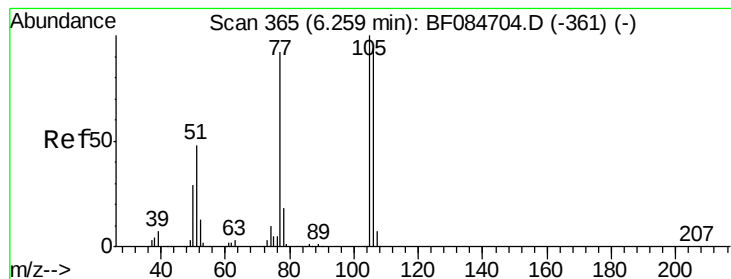


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 24.31 ng

RT: 6.21 min Scan# 361

Delta R.T. -0.02 min

Lab File: BF084845.D

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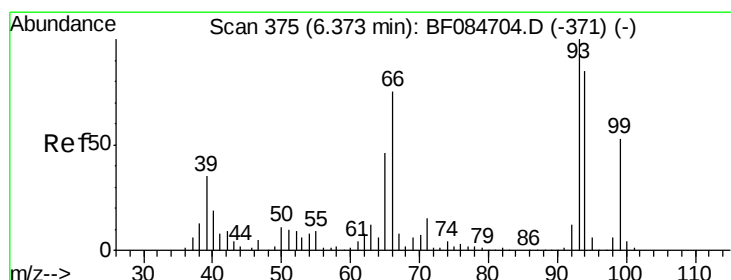
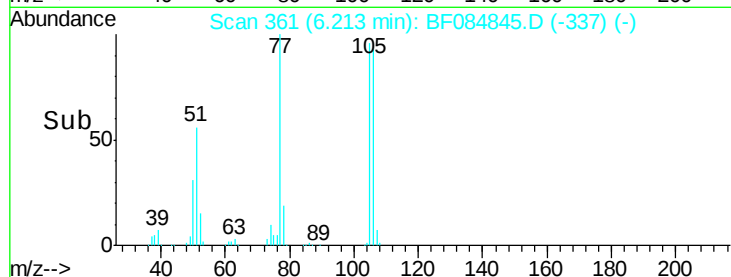
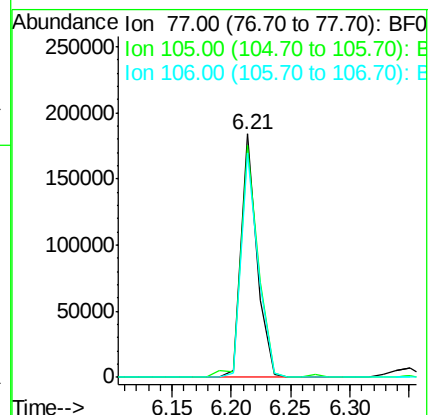
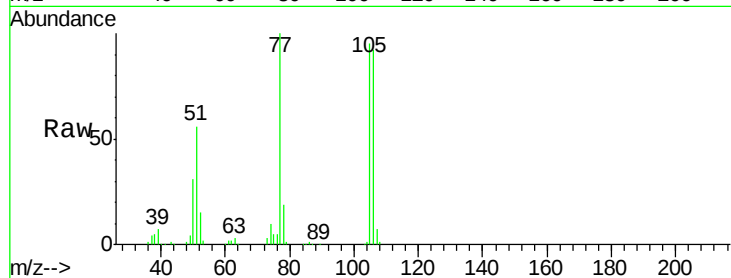
Tgt Ion: 77 Resp: 173188

Ion Ratio Lower Upper

77 100

105 95.2 83.0 123.0

106 92.1 74.6 114.6



#10

Phenol

Concen: 44.05 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

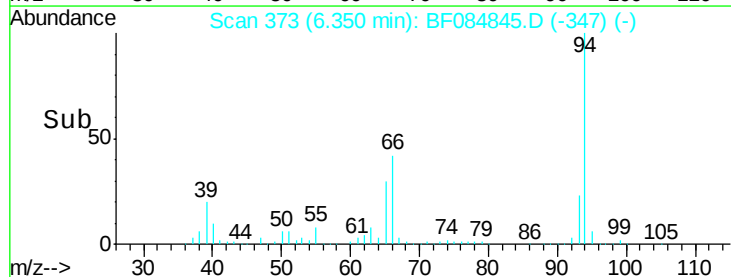
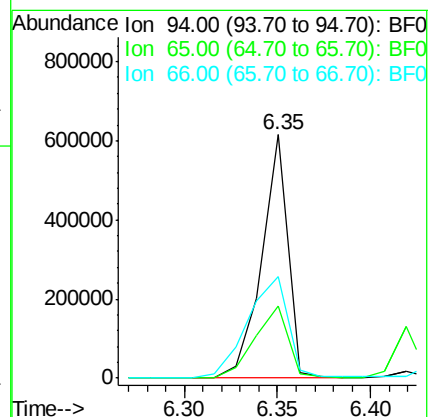
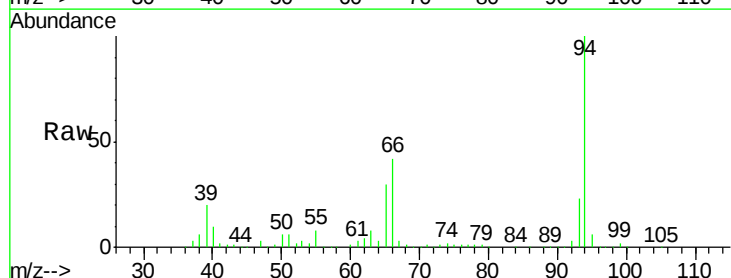
Tgt Ion: 94 Resp: 595399

Ion Ratio Lower Upper

94 100

65 29.5 12.9 52.9

66 41.7 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 41.23 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

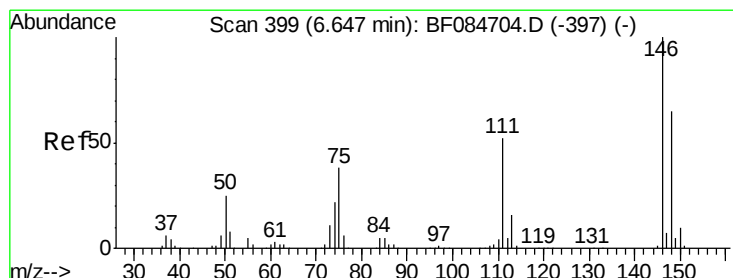
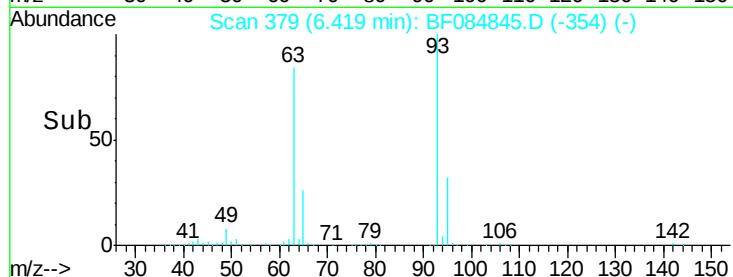
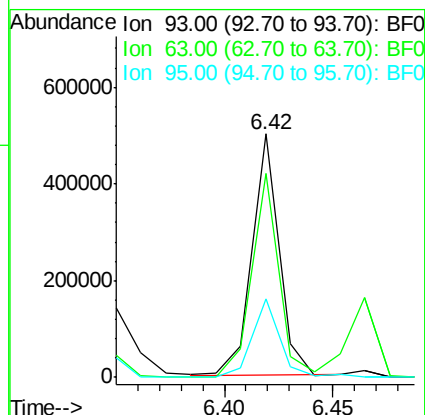
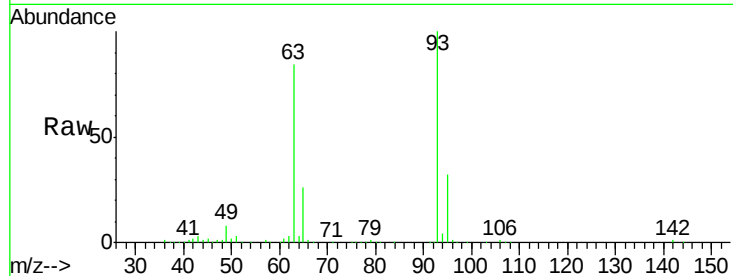
Tgt Ion: 93 Resp: 434511

Ion Ratio Lower Upper

93 100

63 83.6 45.9 85.9

95 32.2 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 40.73 ng

RT: 6.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

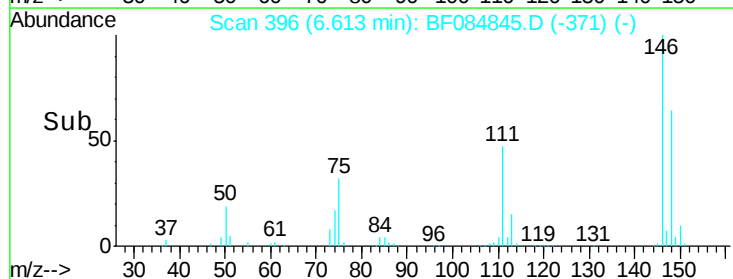
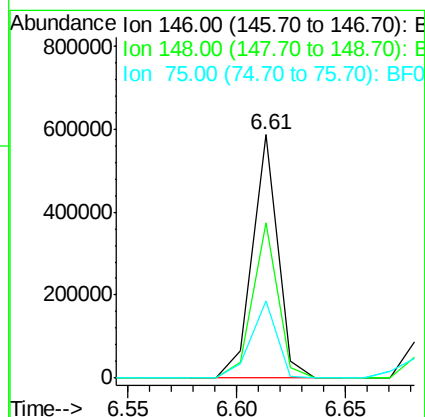
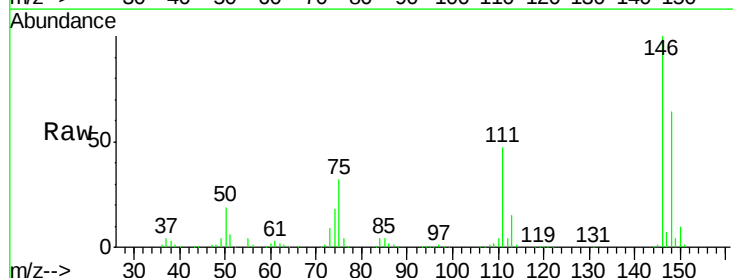
Tgt Ion: 146 Resp: 473957

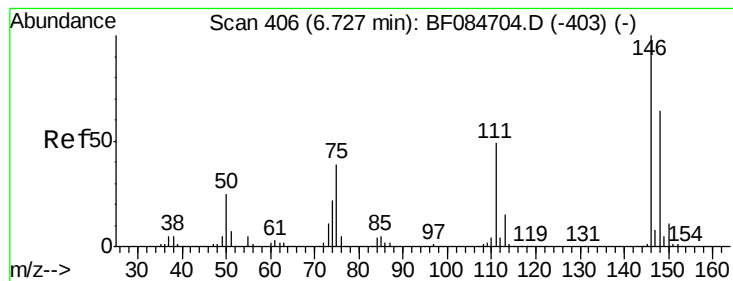
Ion Ratio Lower Upper

146 100

148 63.7 51.9 77.9

75 31.8 20.5 30.7#





#13

1,4-Dichlorobenzene

Concen: 42.86 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

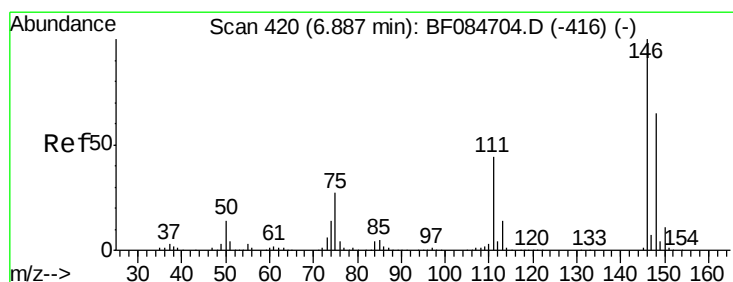
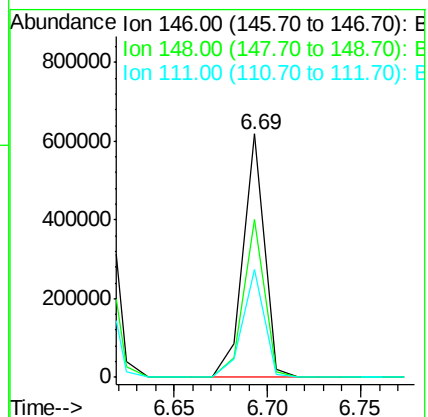
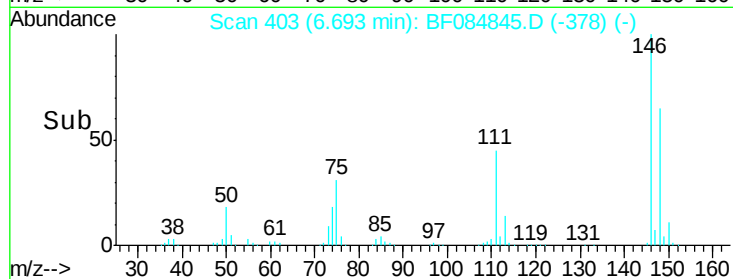
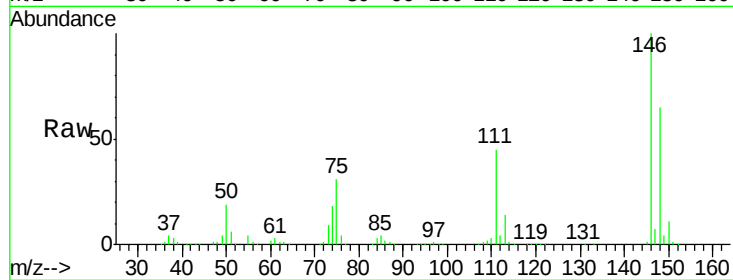
Tgt Ion:146 Resp: 498605

Ion Ratio Lower Upper

146 100

148 64.6 51.9 77.9

111 44.5 41.6 62.4



#14

1,2-Dichlorobenzene

Concen: 37.63 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

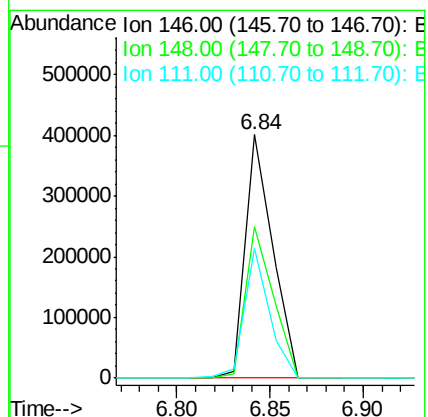
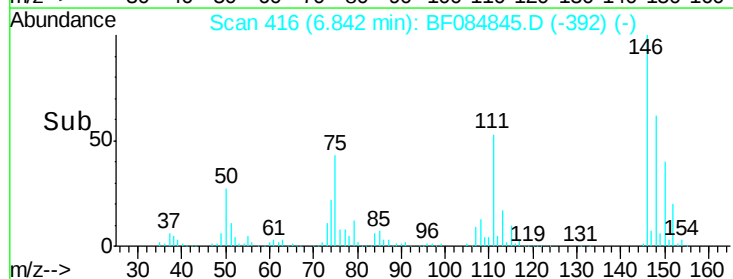
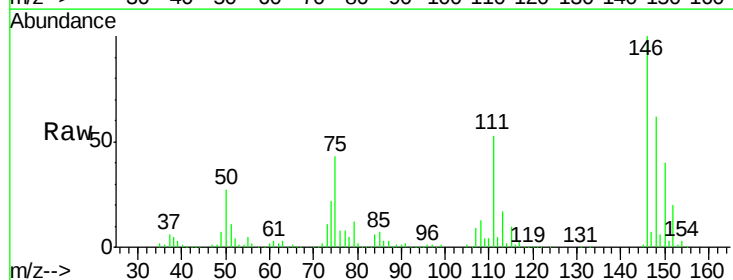
Tgt Ion:146 Resp: 407767

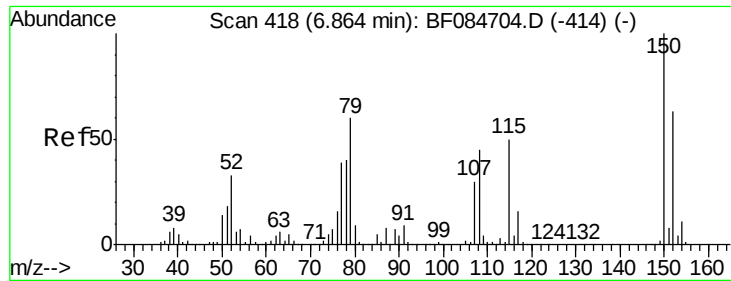
Ion Ratio Lower Upper

146 100

148 62.1 51.6 77.4

111 53.2 38.0 57.0





#15

Benzyl Alcohol

Concen: 43.80 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

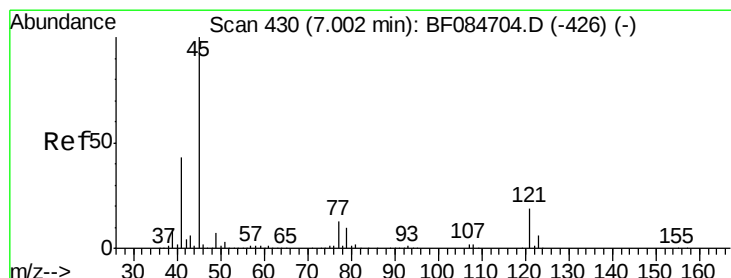
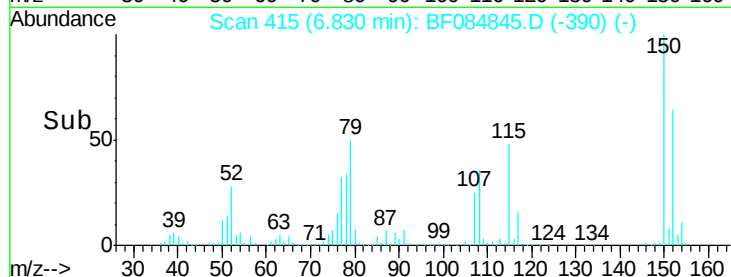
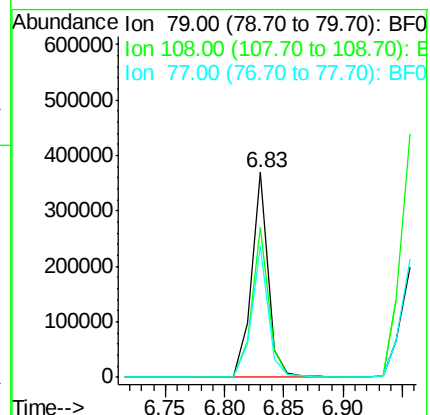
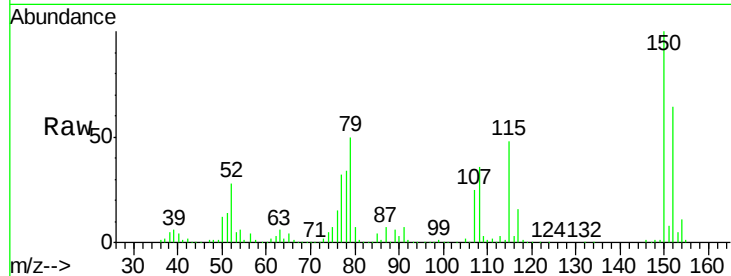
Tgt Ion: 79 Resp: 364920

Ion Ratio Lower Upper

79 100

108 73.2 69.0 103.4

77 64.1 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.49 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

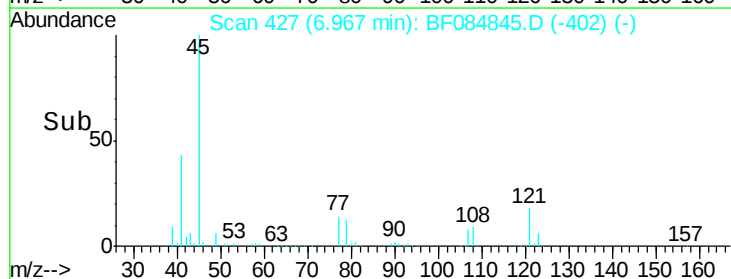
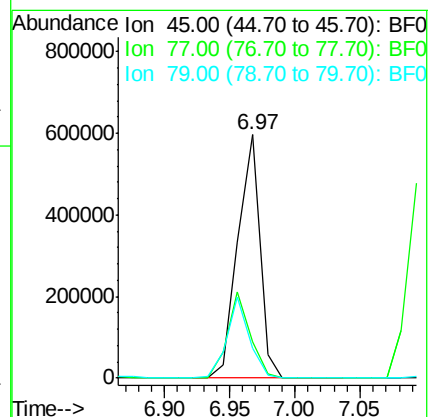
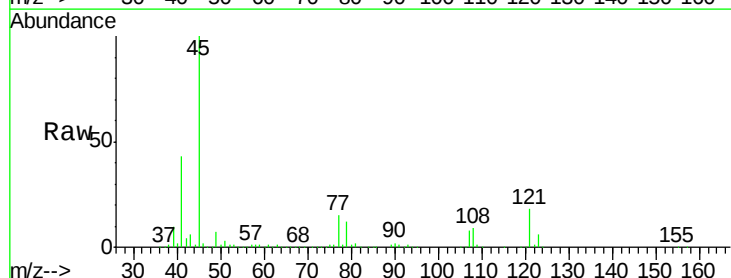
Tgt Ion: 45 Resp: 700089

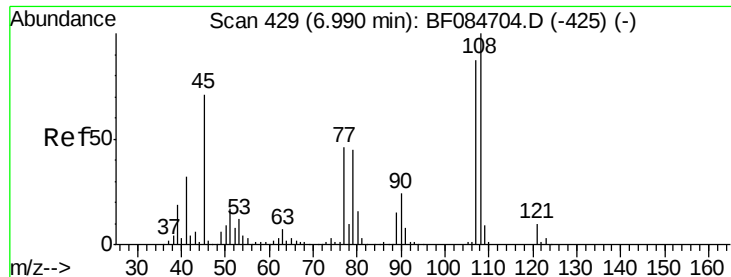
Ion Ratio Lower Upper

45 100

77 14.7 0.0 39.6

79 12.3 0.0 35.0

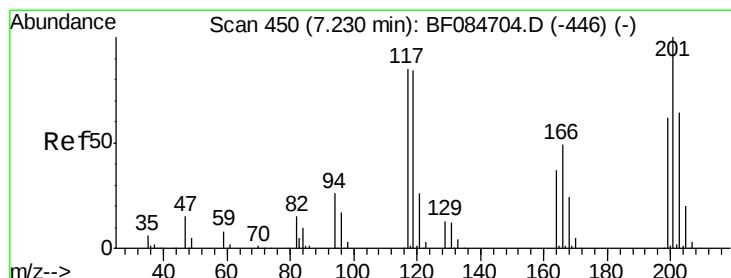
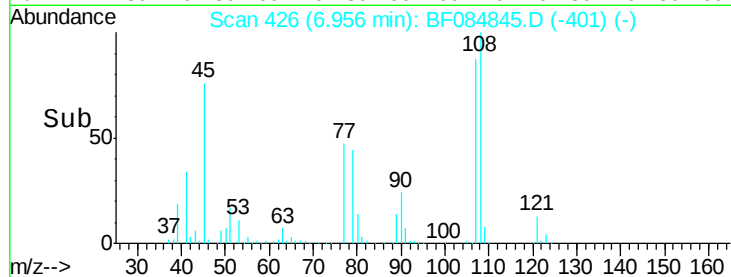
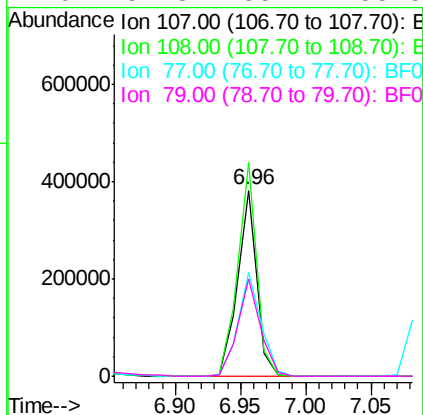
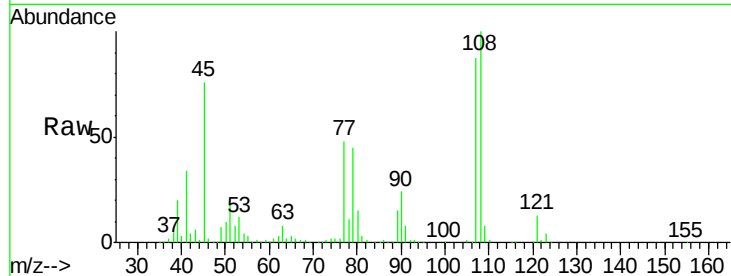




#17
2-Methylphenol
Concen: 43.88 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

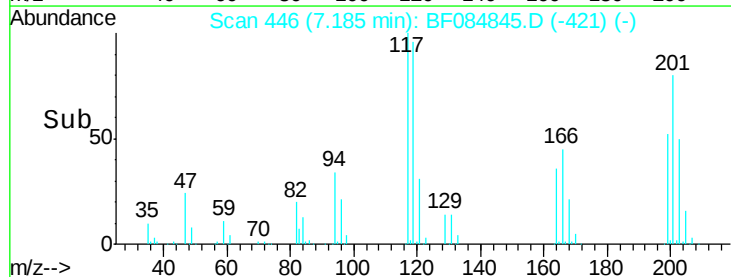
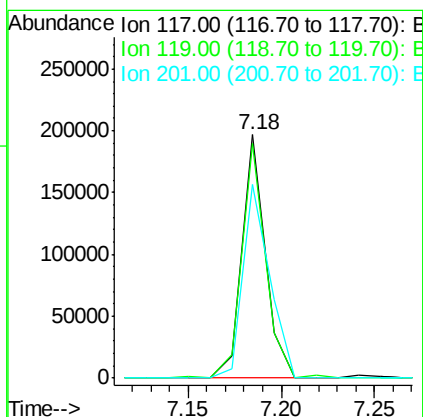
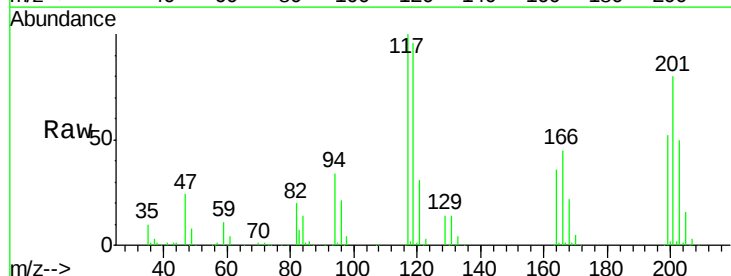
Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

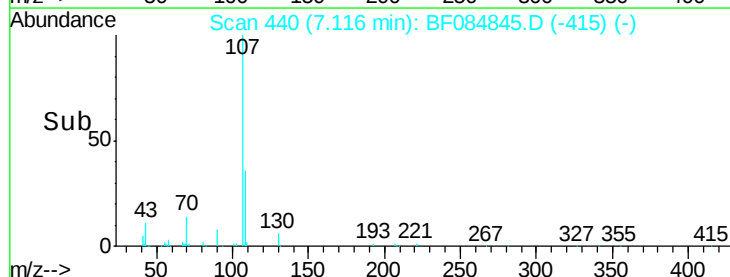
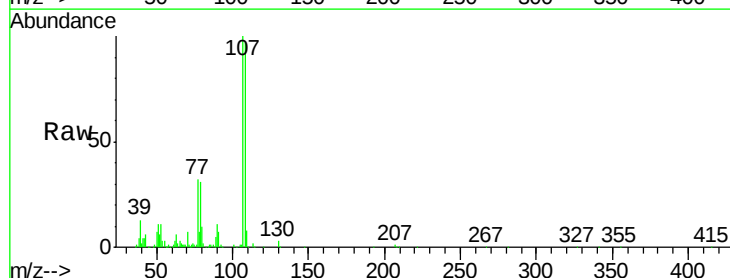
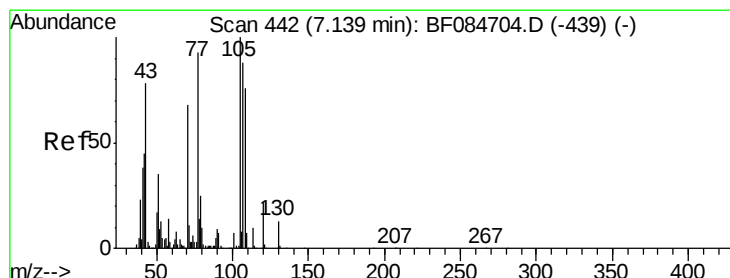
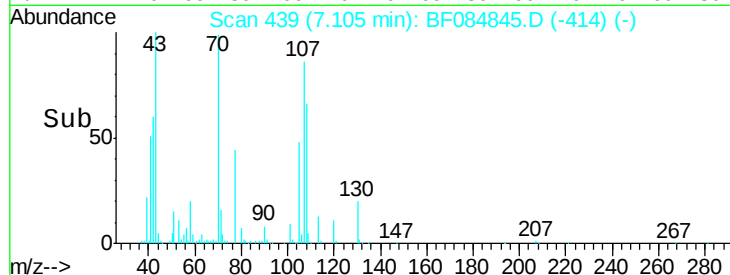
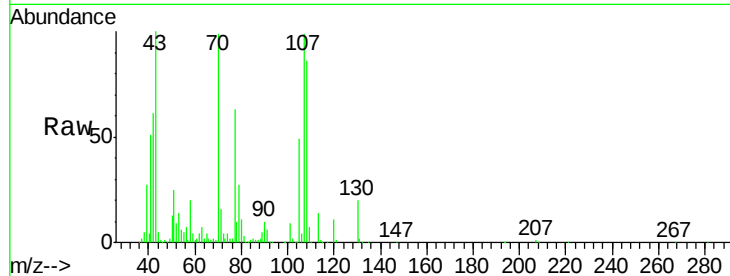
Tgt Ion:107 Resp: 382293
Ion Ratio Lower Upper
107 100
108 115.1 89.8 134.6
77 55.7 35.7 53.5#
79 52.3 35.7 53.5



#18
Hexachloroethane
Concen: 38.61 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion:117 Resp: 172990
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.0
201 79.7 68.6 103.0

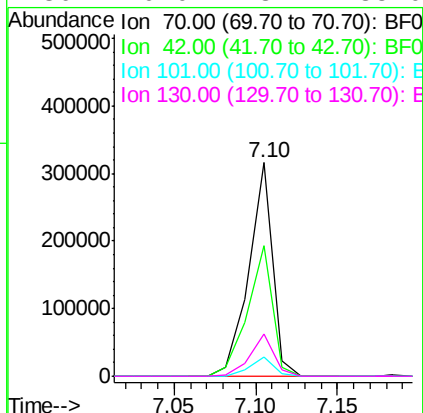




#19
n-Nitroso-di-n-propylamine
Concen: 42.18 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

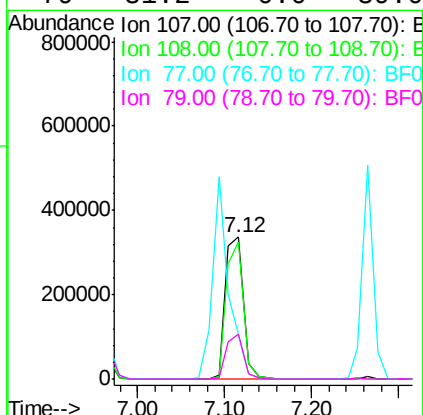
Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	61.4	33.3	49.9#
101	9.0	9.3	13.9#
130	20.0	23.4	35.0#



#20
3+4-Methylphenols
Concen: 44.92 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.5	74.6	114.6
77	32.0	0.7	40.7
79	31.2	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

Tgt Ion:136 Resp: 613838

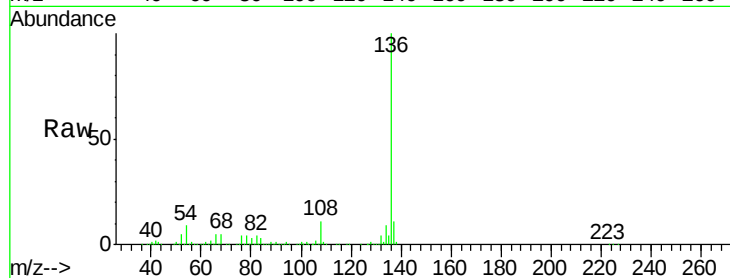
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 9.2 5.8 8.8#

68 5.3 4.2 6.2

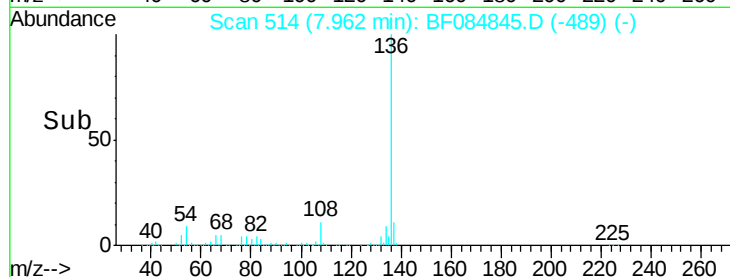


Abundance Ion 136.00 (135.70 to 136.70): E

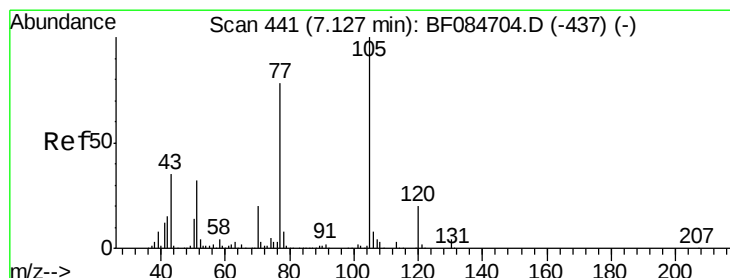
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 39.46 ng

RT: 7.09 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Tgt Ion:105 Resp: 638360

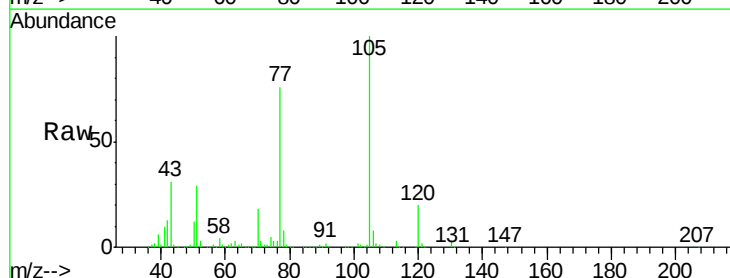
Ion Ratio Lower Upper

105 100

71 3.1 3.7 5.5#

51 29.5 25.1 37.7

120 20.3 16.6 25.0

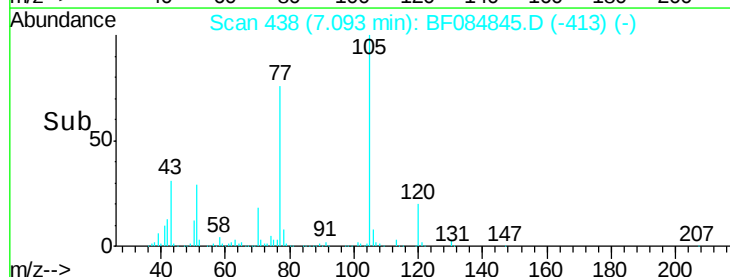


Abundance Ion 105.00 (104.70 to 105.70): E

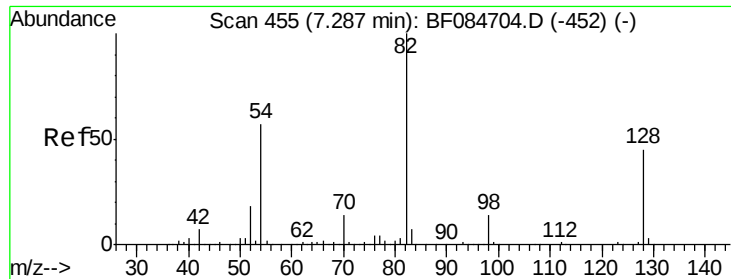
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



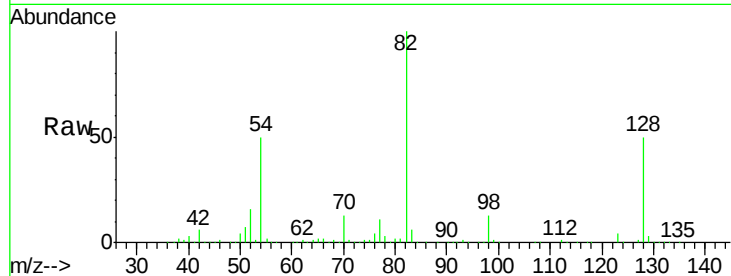
Time-->



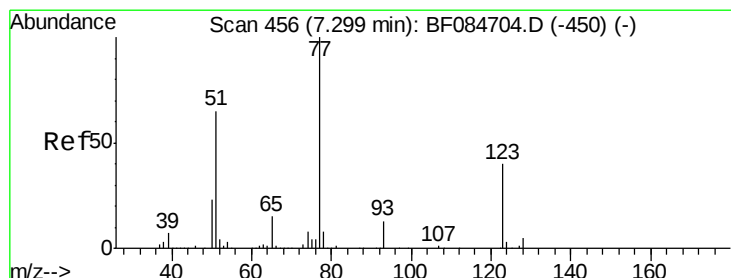
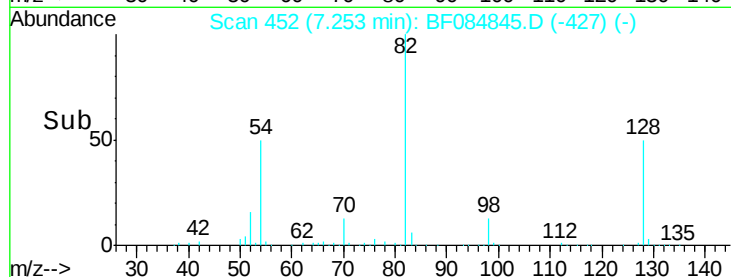
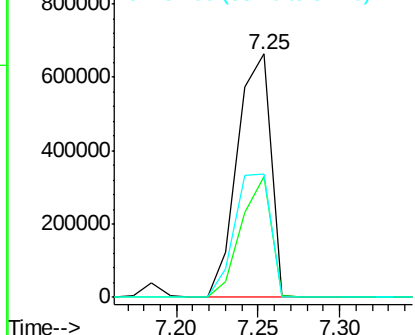
#23
 Nitrobenzene-d5
 Concen: 85.90 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

Tgt Ion: 82 Resp: 936034
 Ion Ratio Lower Upper
 82 100
 128 49.8 34.6 51.8
 54 50.5 38.4 57.6

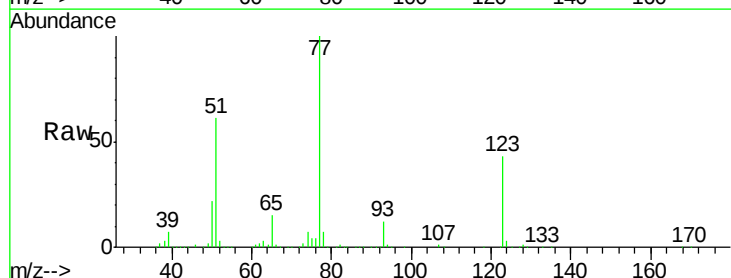


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

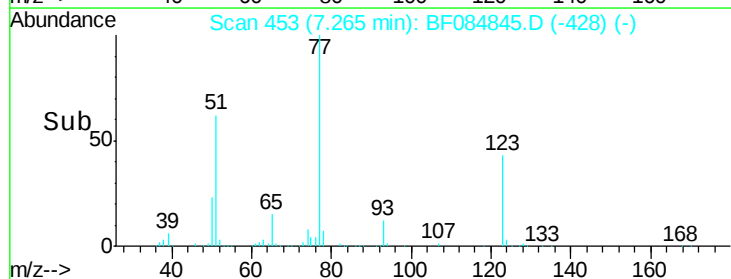
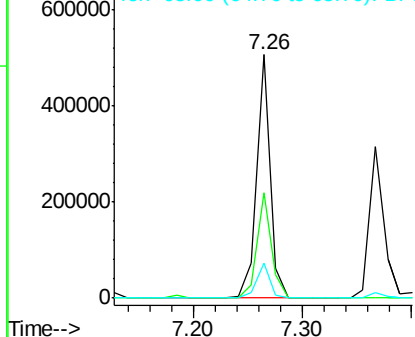


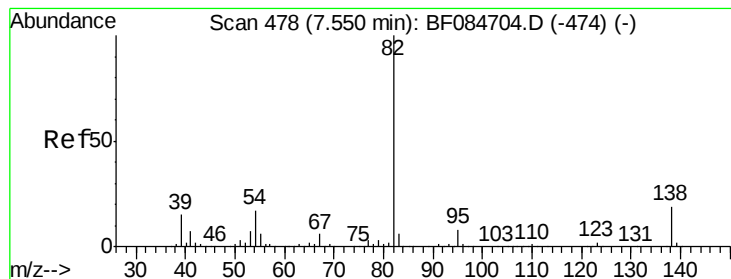
#24
 Nitrobenzene
 Concen: 38.06 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Tgt Ion: 77 Resp: 444134
 Ion Ratio Lower Upper
 77 100
 123 43.4 37.4 56.2
 65 14.5 10.9 16.3



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: 39.47 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

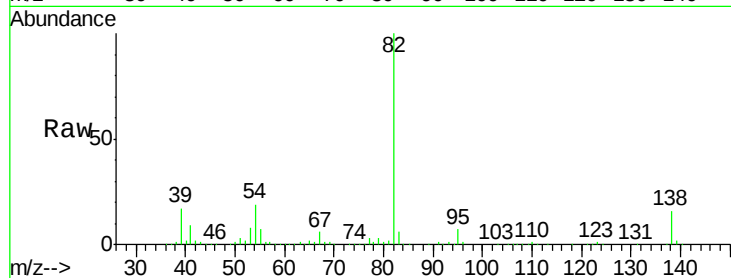
Tgt Ion: 82 Resp: 836390

Ion Ratio Lower Upper

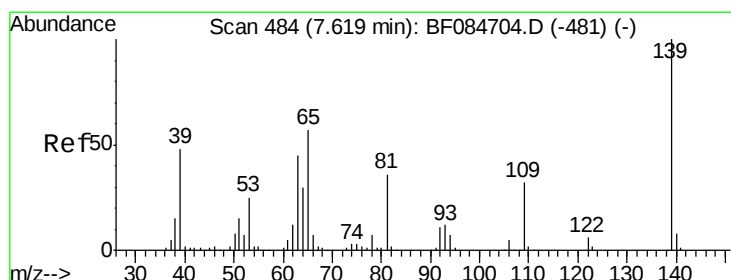
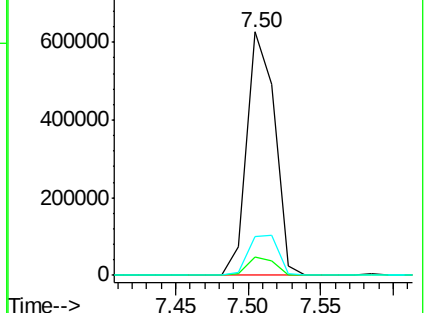
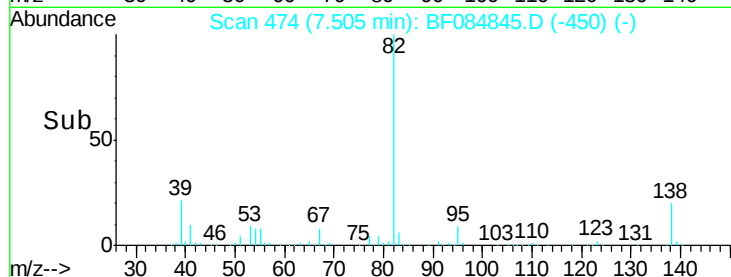
82 100

95 7.5 6.6 10.0

138 15.9 13.6 20.4



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



#26

2-Nitrophenol

Concen: 44.94 ng

RT: 7.58 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

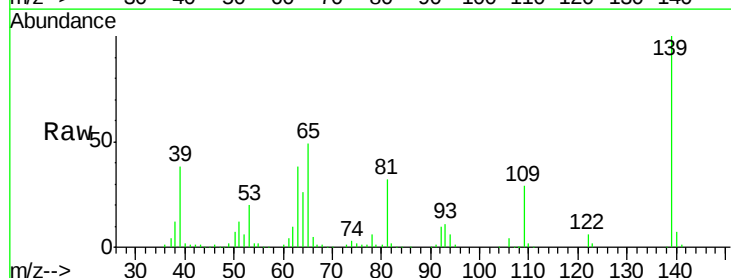
Tgt Ion: 139 Resp: 258613

Ion Ratio Lower Upper

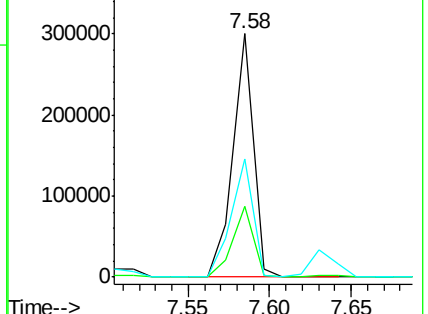
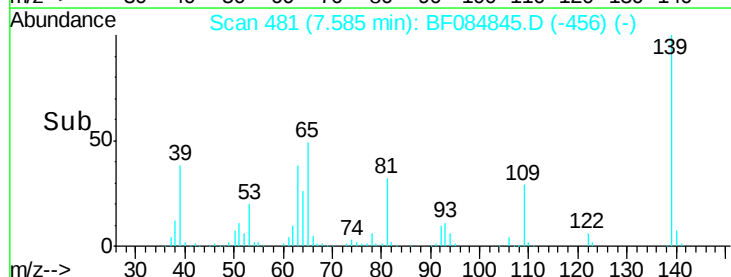
139 100

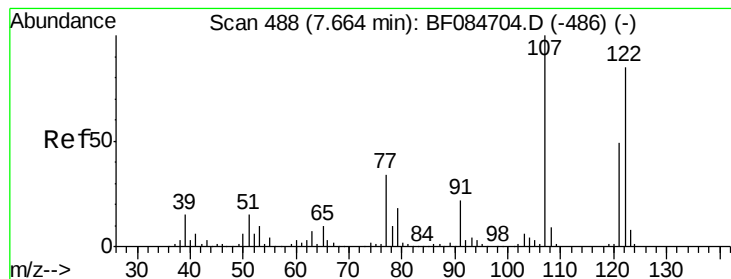
109 29.2 25.4 38.2

65 48.7 32.3 48.5#



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





#27

2,4-Dimethylphenol

Concen: 38.61 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

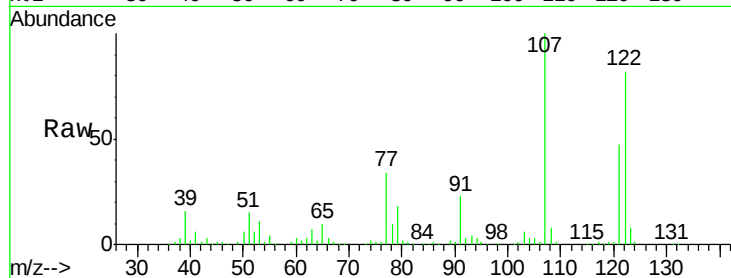
Tgt Ion:122 Resp: 386524

Ion Ratio Lower Upper

122 100

107 121.8 99.1 148.7

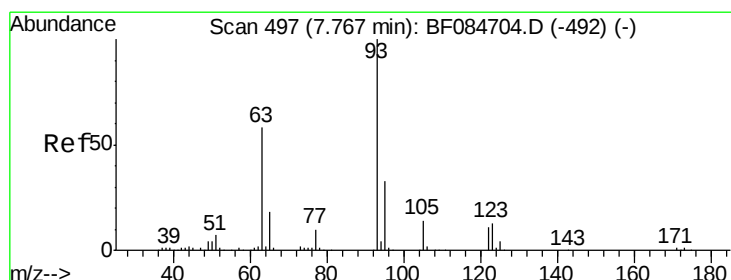
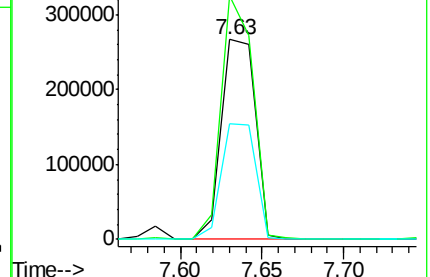
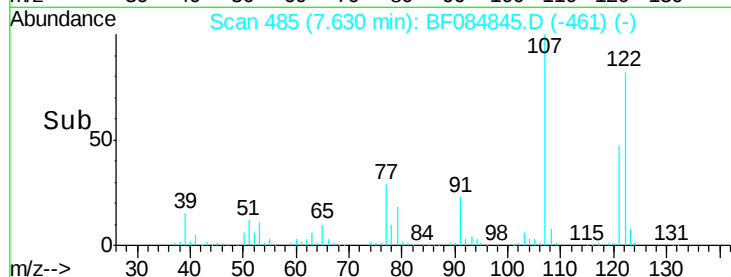
121 57.6 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.33 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

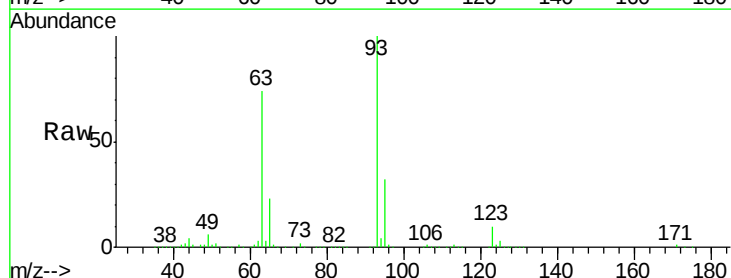
Tgt Ion: 93 Resp: 506968

Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.6

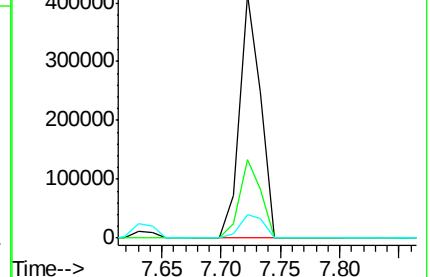
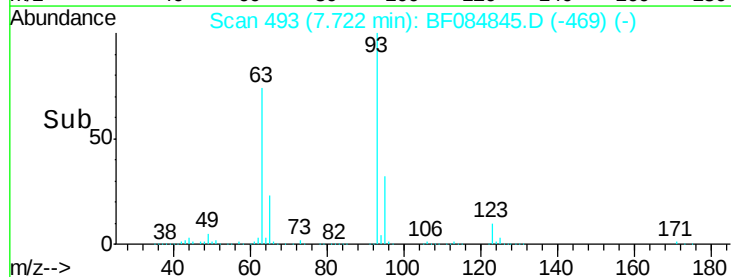
123 9.9 8.6 12.8

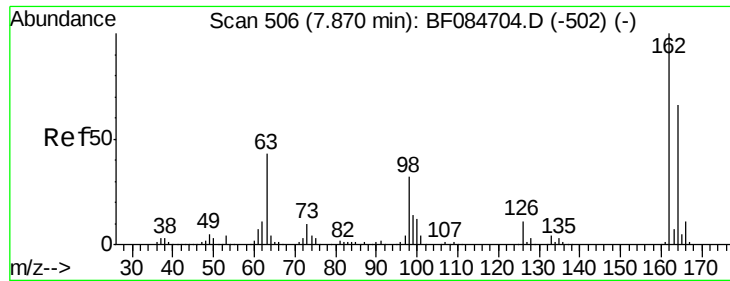


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

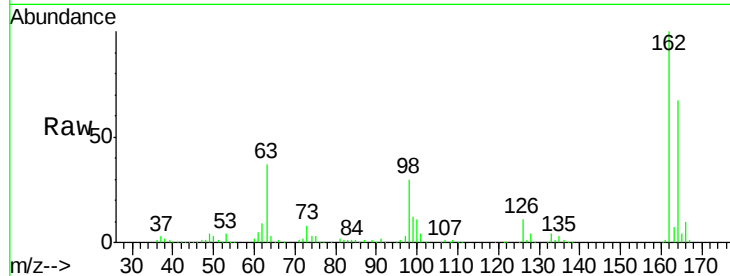




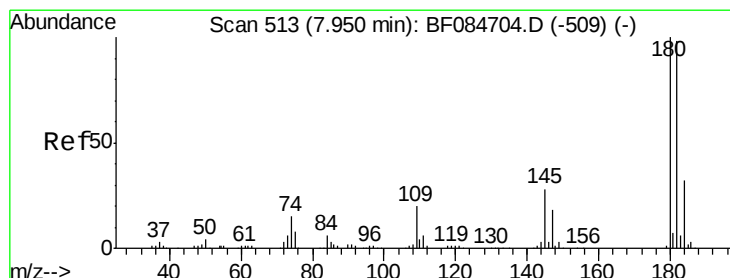
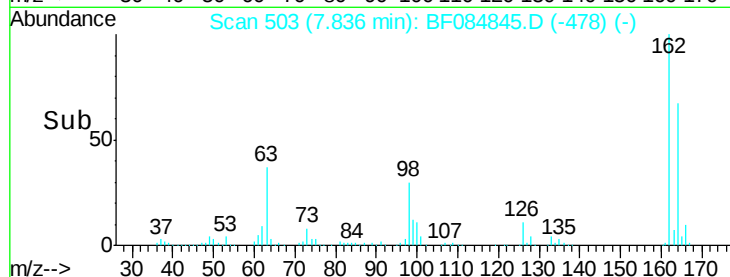
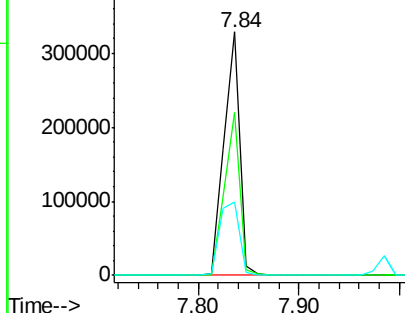
#29
 2,4-Dichlorophenol
 Concen: 41.55 ng
 RT: 7.84 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.7	44.1	84.1
98	29.9	20.2	60.2

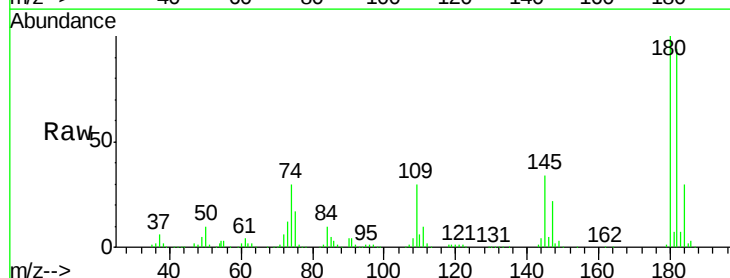


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

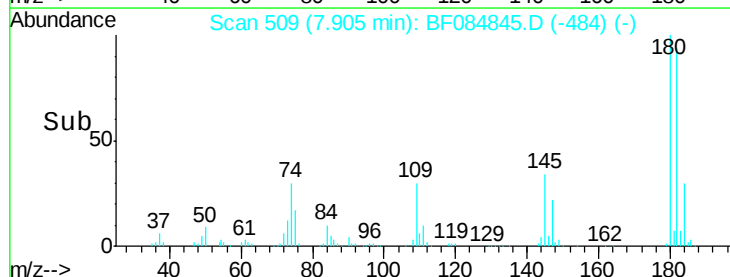
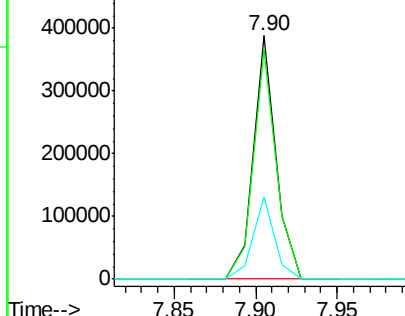


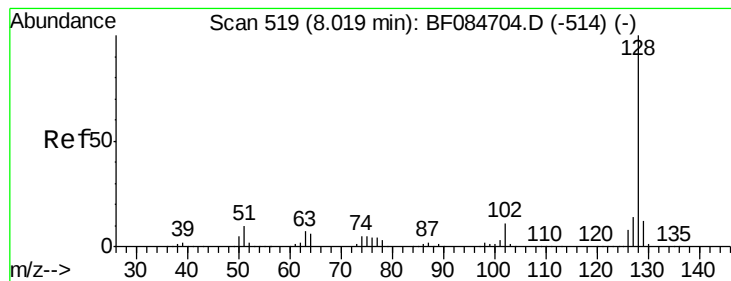
#30
 1,2,4-Trichlorobenzene
 Concen: 38.59 ng
 RT: 7.90 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.4	114.6
145	33.7	31.6	47.4



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





#31

Naphthalene

Concen: 48.12 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

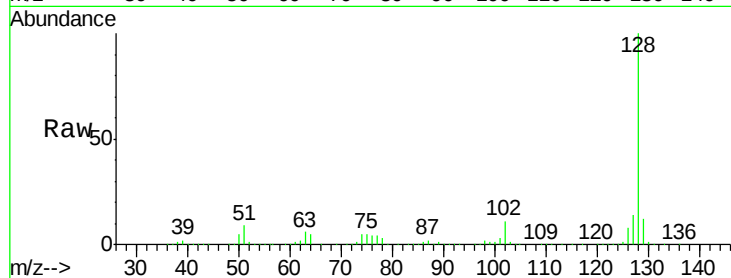
Tgt Ion:128 Resp: 1481508

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

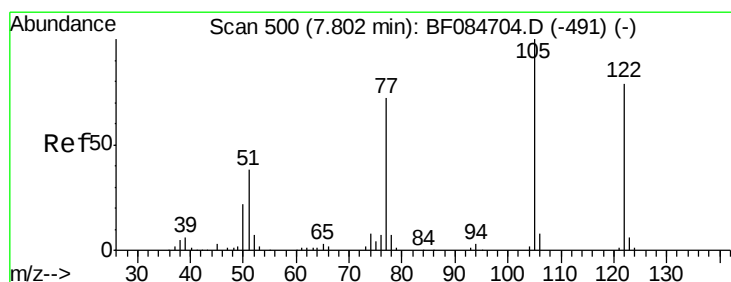
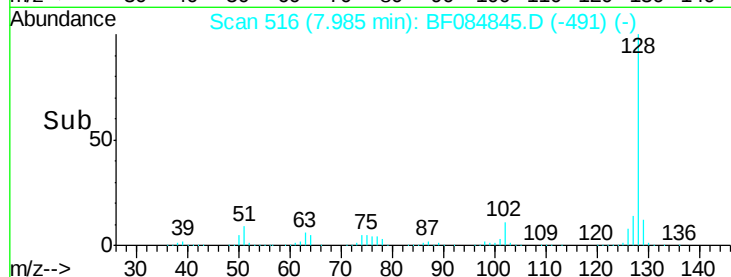
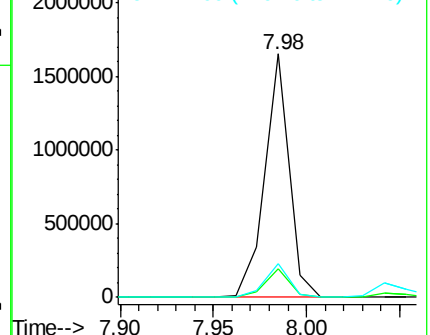
127 13.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 60.37 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.16 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

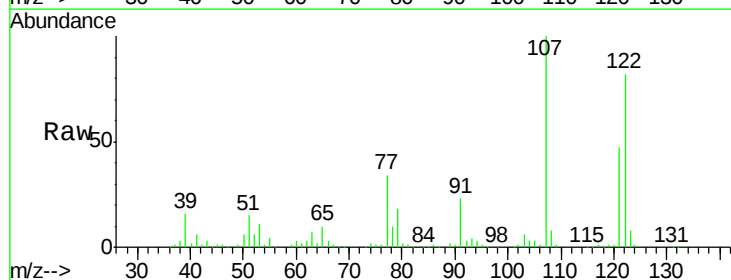
Tgt Ion:122 Resp: 386524

Ion Ratio Lower Upper

122 100

105 4.2 100.3 140.3#

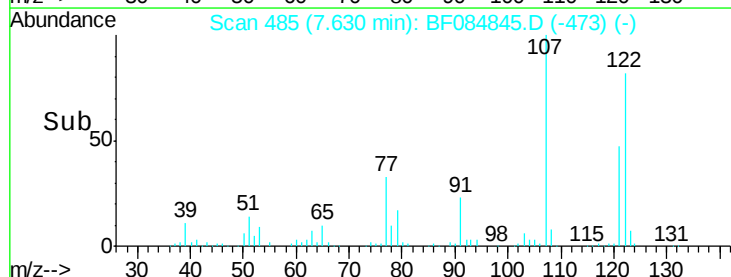
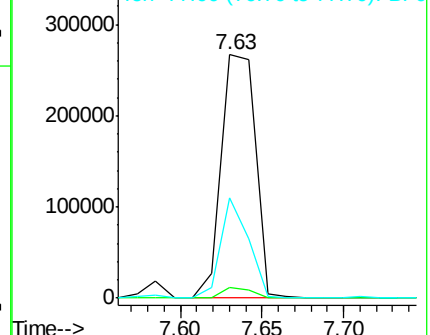
77 41.0 63.5 103.5#

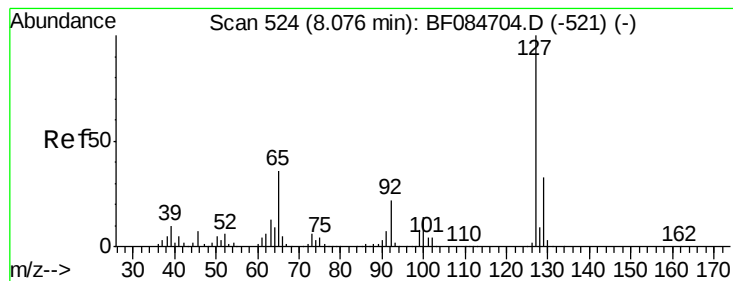


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 10.45 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

Tgt Ion:127 Resp: 133035

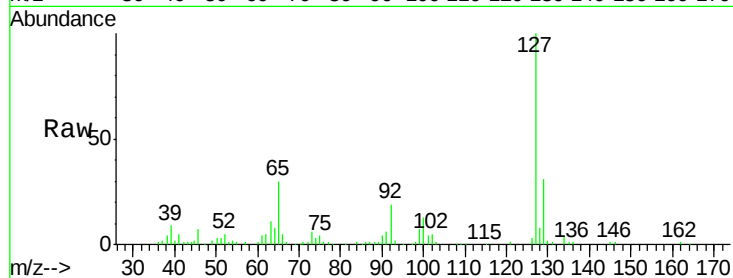
Ion Ratio Lower Upper

127 100

129 31.1 26.5 39.7

65 30.2 27.2 40.8

92 19.0 17.7 26.5

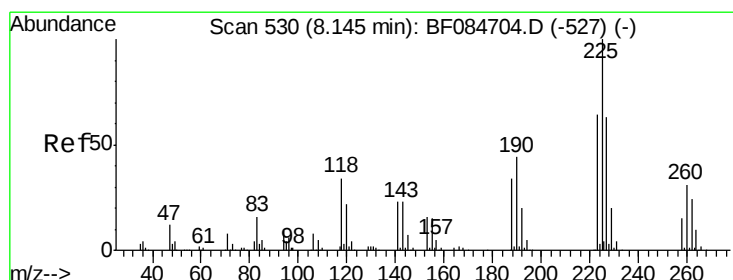
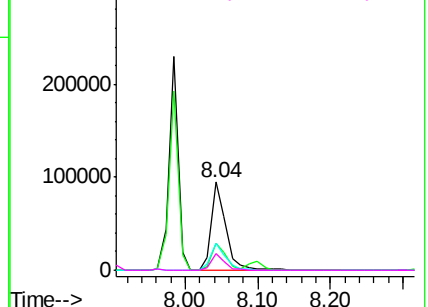
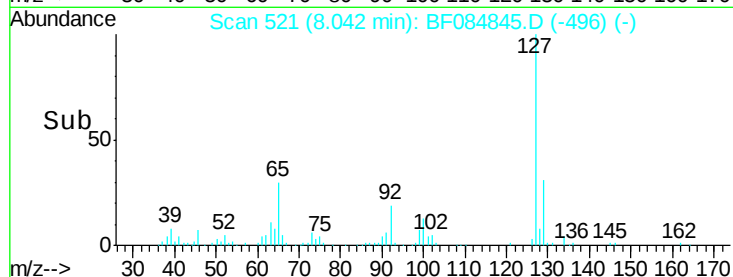


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 40.33 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

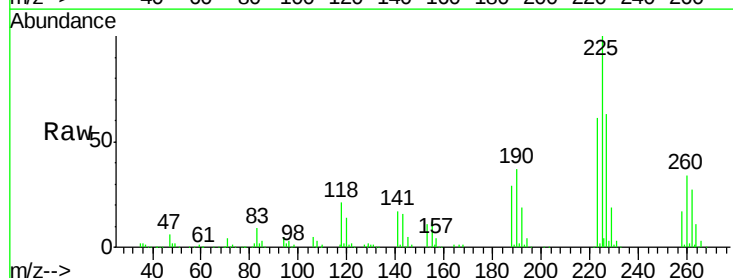
Tgt Ion:225 Resp: 224980

Ion Ratio Lower Upper

225 100

223 60.8 49.4 74.0

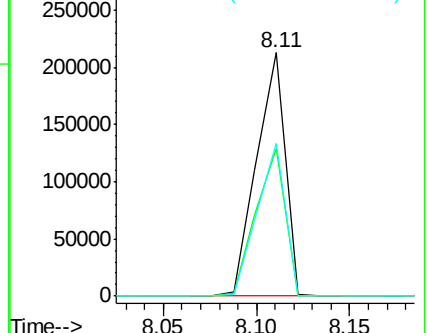
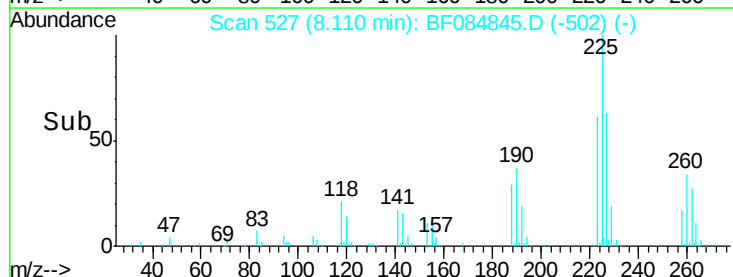
227 62.8 50.8 76.2

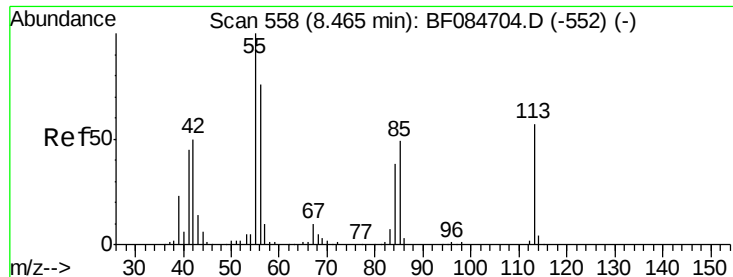


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

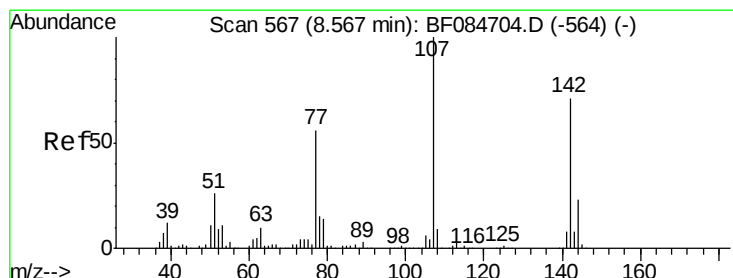
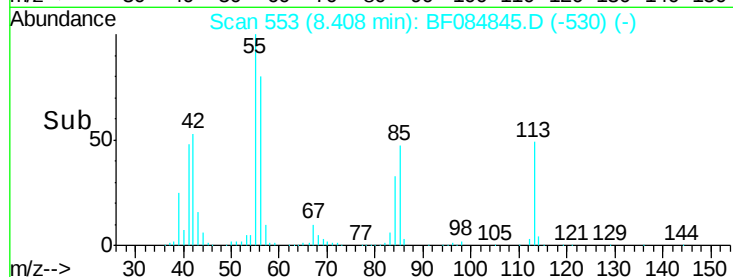
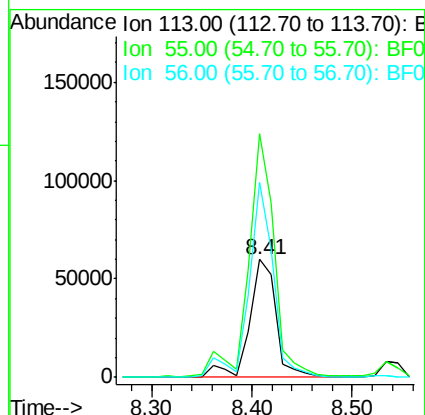
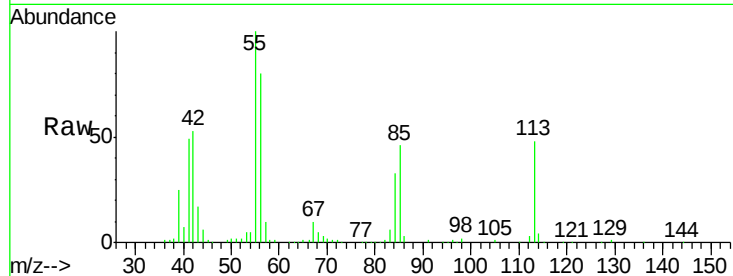




#35
 Caprolactam
 Concen: 41.48 ng
 RT: 8.41 min Scan# 553
 Delta R.T. -0.03 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

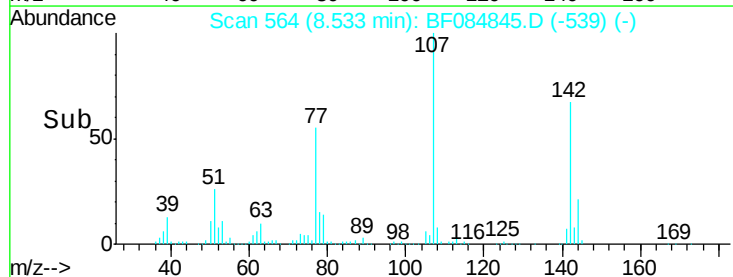
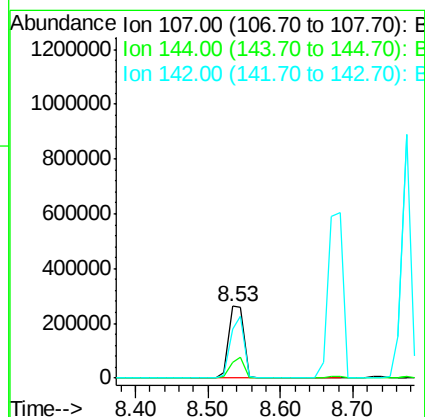
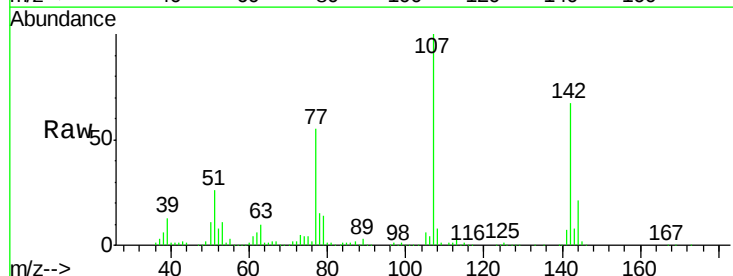
Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

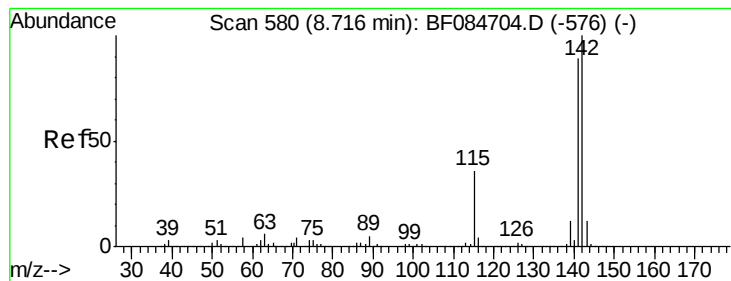
Tgt Ion:113 Resp: 109512
 Ion Ratio Lower Upper
 113 100
 55 206.5 116.9 156.9#
 56 165.2 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 38.84 ng
 RT: 8.53 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Tgt Ion:107 Resp: 379511
 Ion Ratio Lower Upper
 107 100
 144 21.0 19.7 29.5
 142 67.3 61.8 92.6





#37

2-Methylnaphthalene

Concen: 44.75 ng

RT: 8.68 min Scan# 577

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

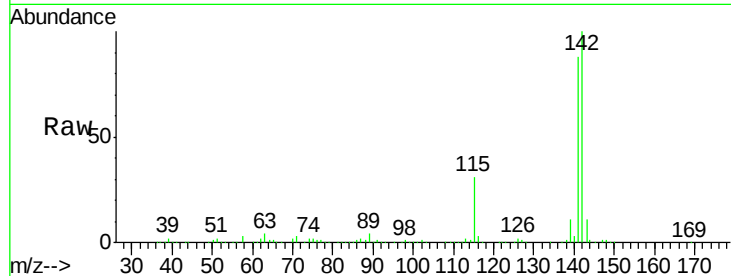
Tgt Ion:142 Resp: 862290

Ion Ratio Lower Upper

142 100

141 88.1 72.4 108.6

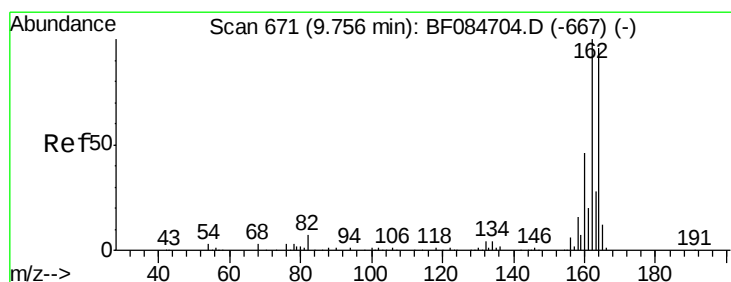
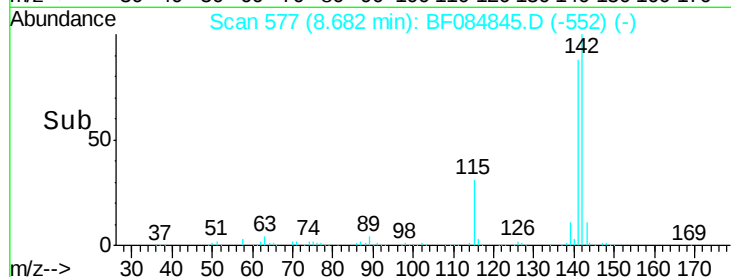
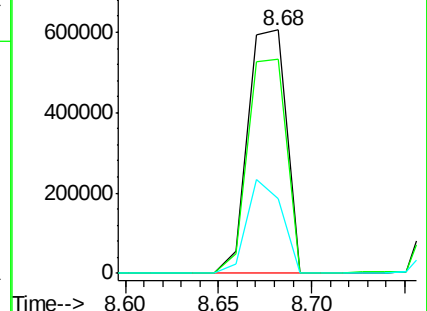
115 30.7 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

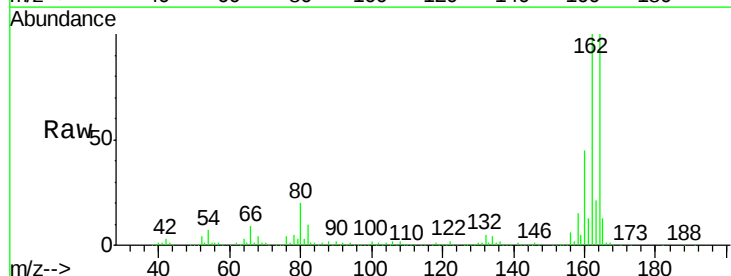
Tgt Ion:164 Resp: 263179

Ion Ratio Lower Upper

164 100

162 100.0 85.1 127.7

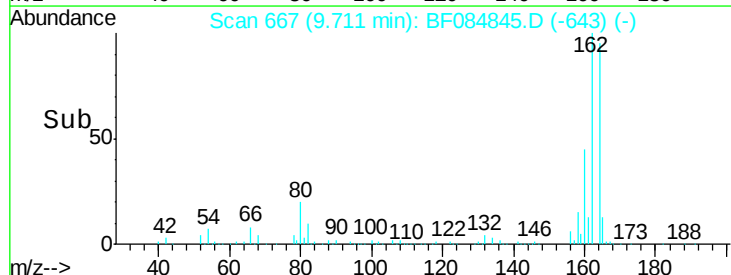
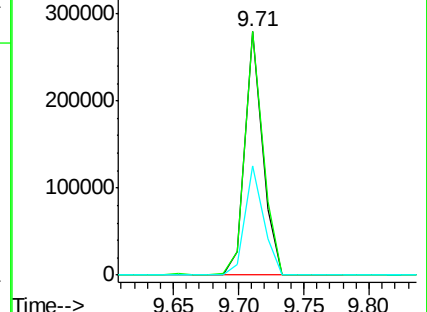
160 44.8 37.5 56.3

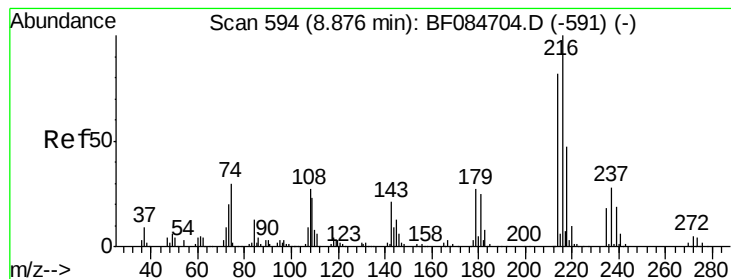


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.71 ng

RT: 8.84 min Scan# 591

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

Tgt Ion:216 Resp: 340252

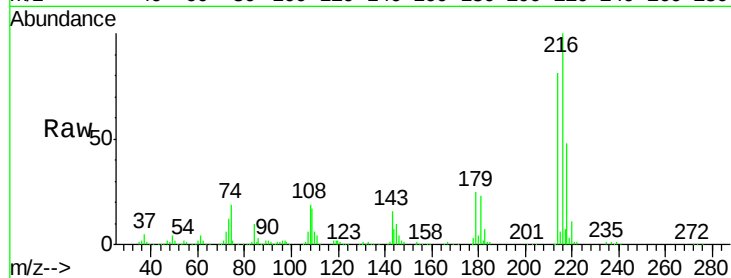
Ion Ratio Lower Upper

216 100

214 80.4 64.2 96.2

179 24.3 18.7 28.1

108 21.1 16.8 25.2

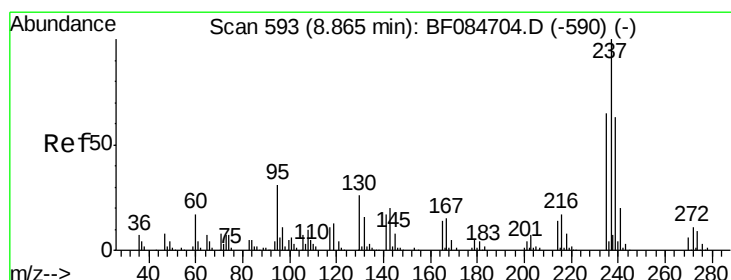
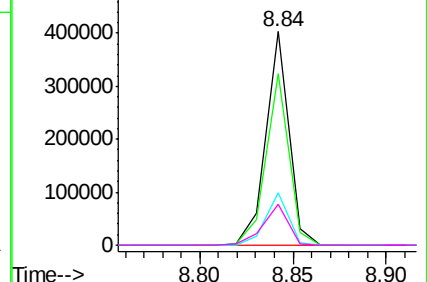
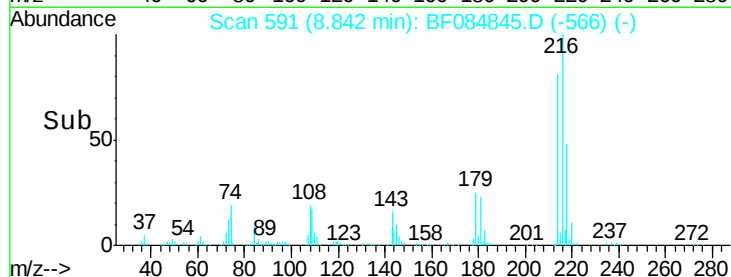


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 32.94 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

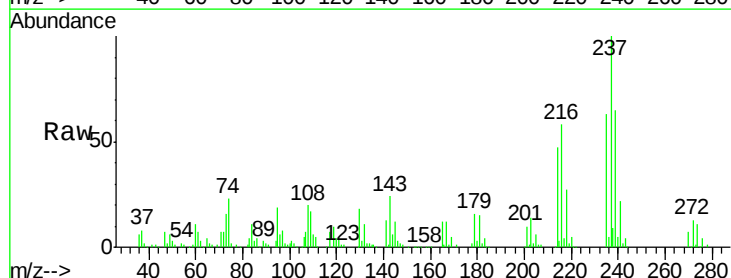
Tgt Ion:237 Resp: 90880

Ion Ratio Lower Upper

237 100

235 62.9 43.1 83.1

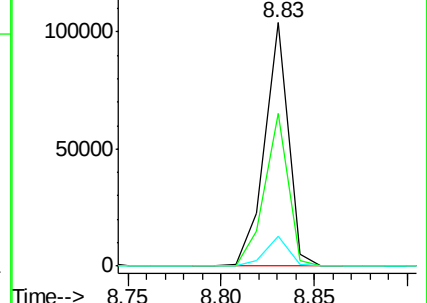
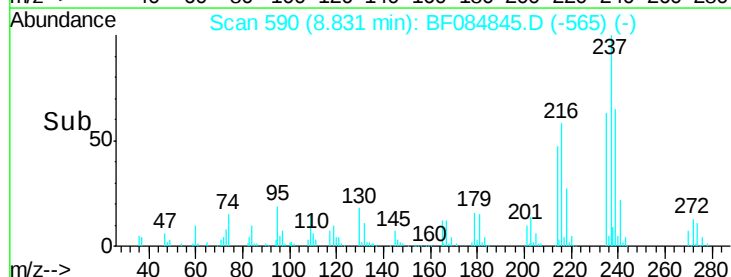
272 12.5 0.0 35.1

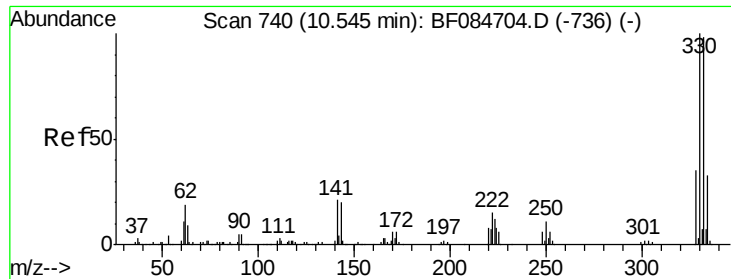


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

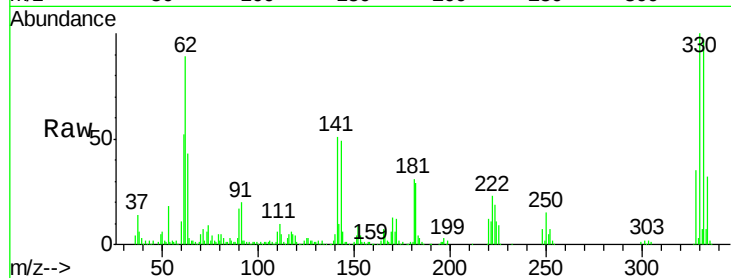




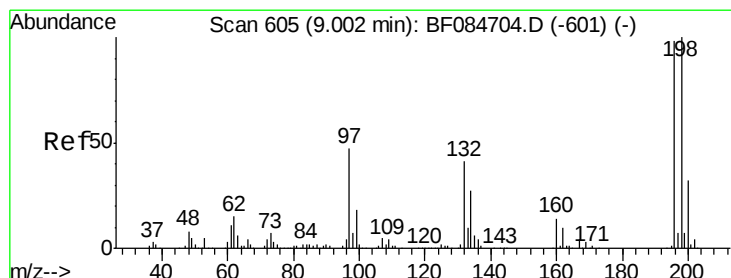
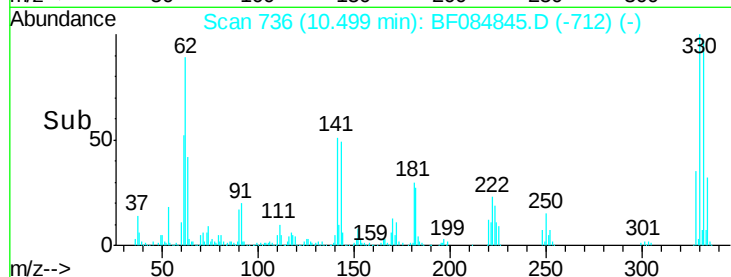
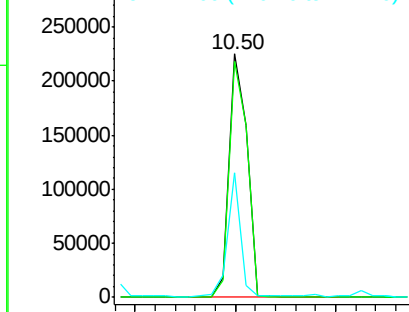
#41
 2,4,6-Tribromophenol
 Concen: 101.79 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

Tgt Ion:330 Resp: 279445
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 114.8
 141 36.9 27.8 41.6

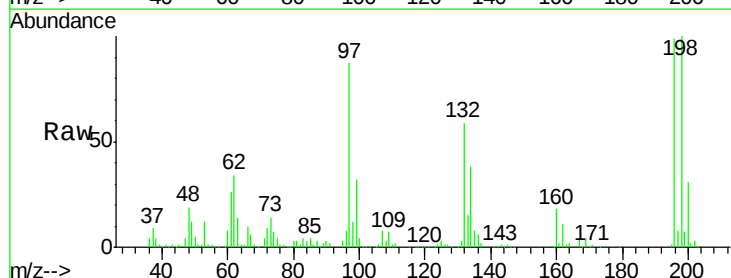


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

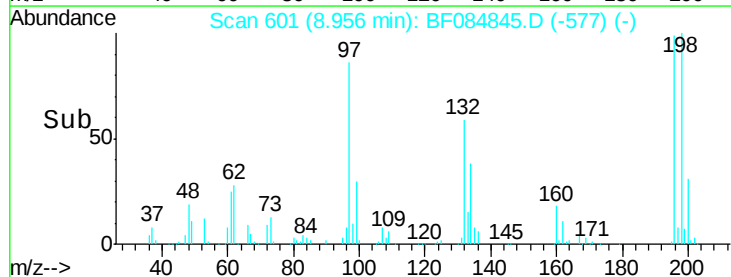
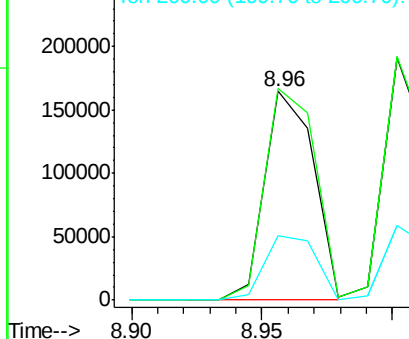


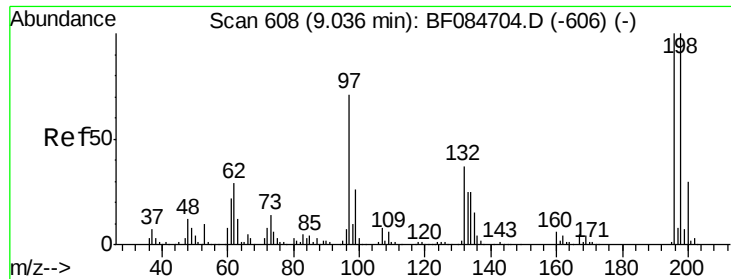
#42
 2,4,6-Trichlorophenol
 Concen: 40.15 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Tgt Ion:196 Resp: 216216
 Ion Ratio Lower Upper
 196 100
 198 101.1 77.7 116.5
 200 30.9 24.6 37.0



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

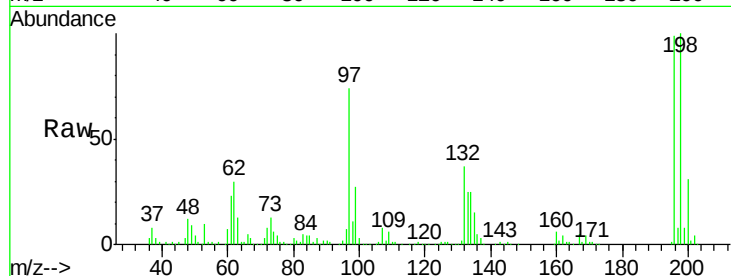




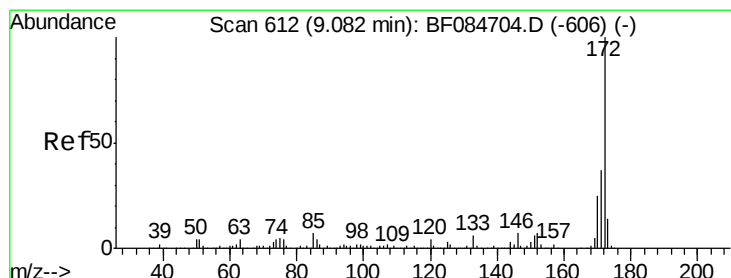
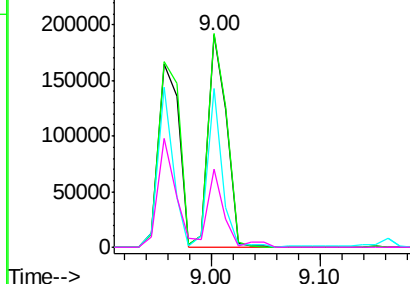
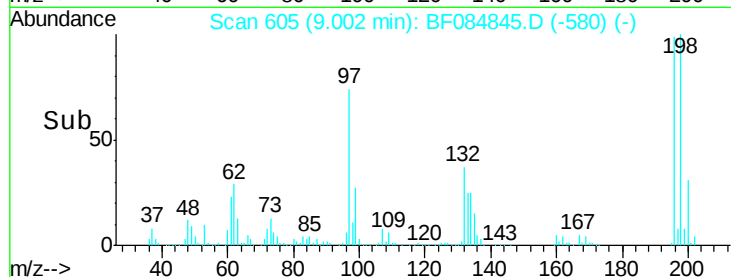
#43
 2,4,5-Trichlorophenol
 Concen: 41.83 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.6	79.0	118.6
97	74.6	33.0	49.6
132	36.9	21.1	31.7

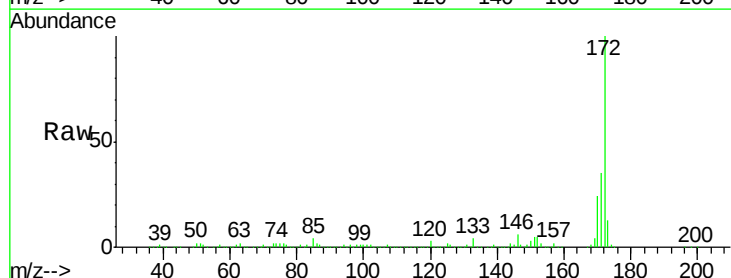


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

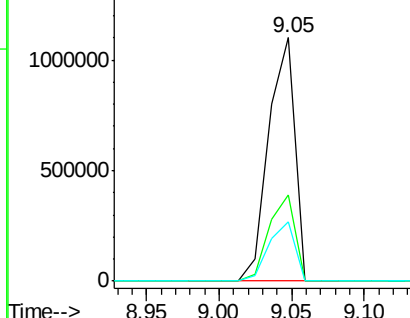
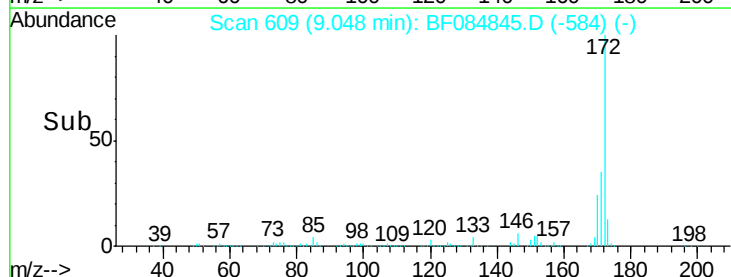


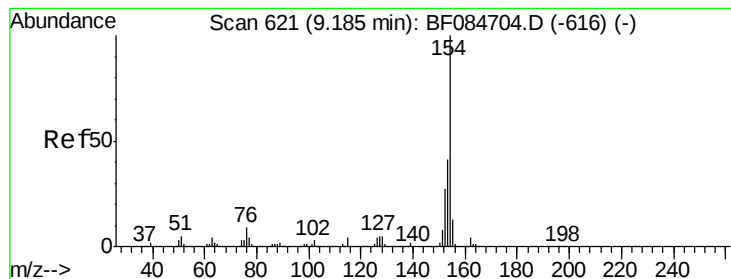
#44
 2-Fluorobiphenyl
 Concen: 89.78 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	24.2	18.6	27.8



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: 39.83 ng

RT: 9.14 min Scan# 617

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

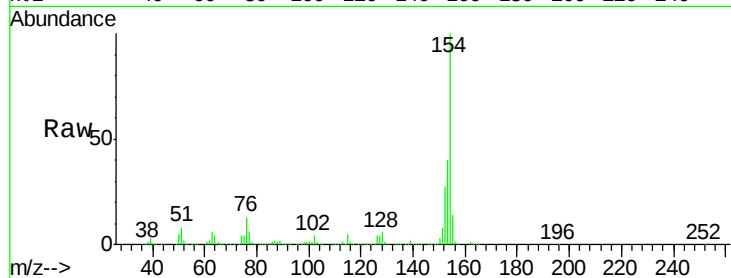
Tgt Ion:154 Resp: 936377

Ion Ratio Lower Upper

154 100

153 40.2 21.6 61.6

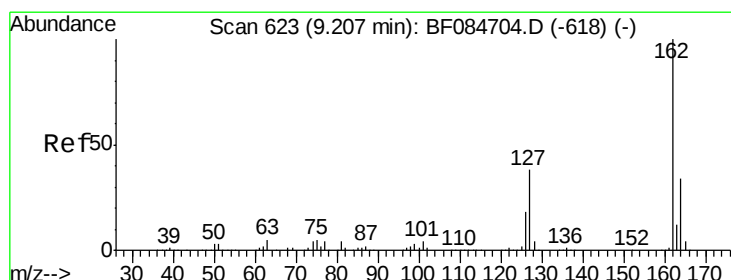
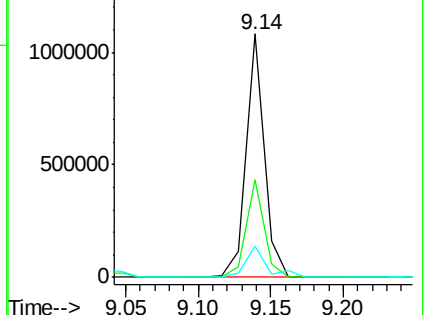
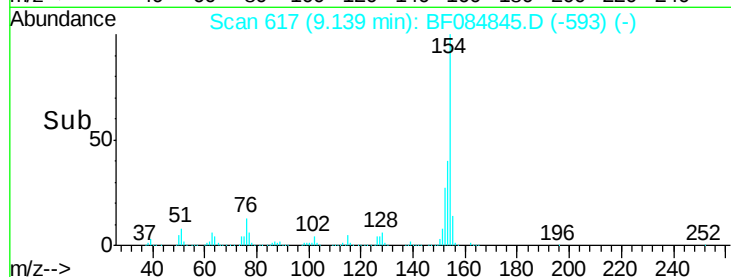
76 13.0 0.0 32.7



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: 41.08 ng

RT: 9.16 min Scan# 619

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

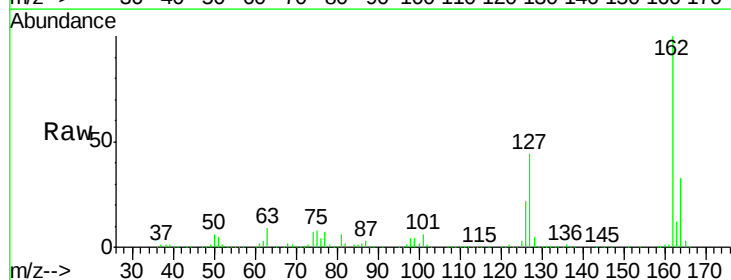
Tgt Ion:162 Resp: 711109

Ion Ratio Lower Upper

162 100

127 44.1 40.2 60.4

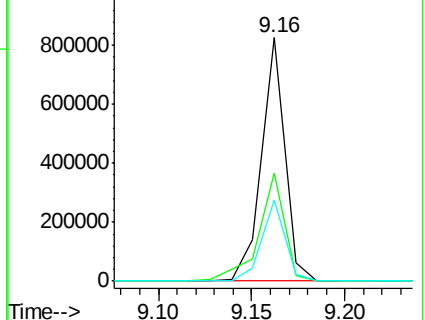
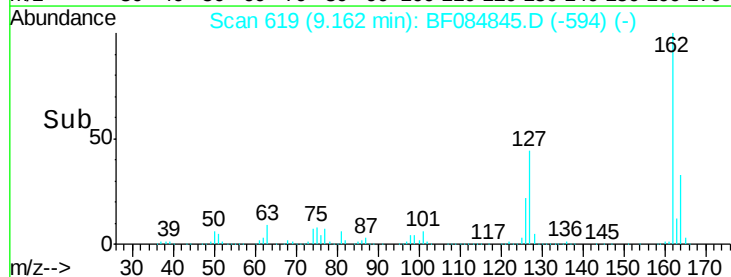
164 33.1 25.7 38.5

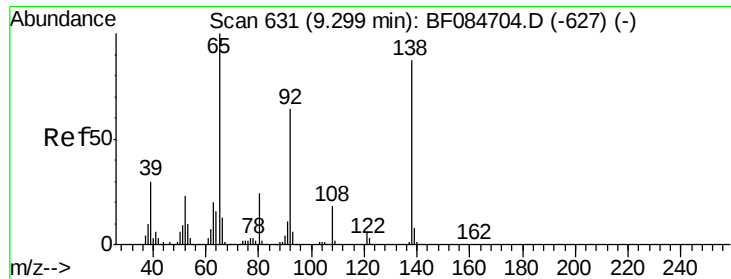


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

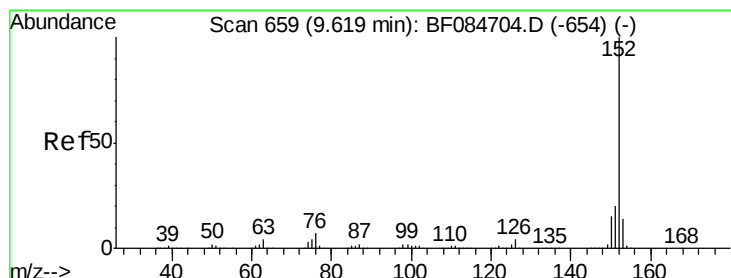
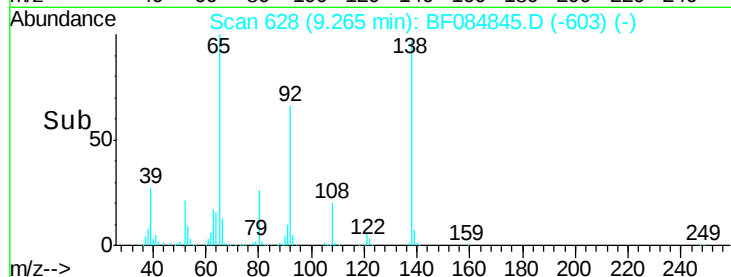
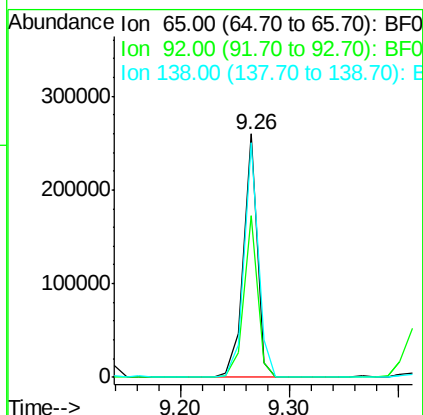
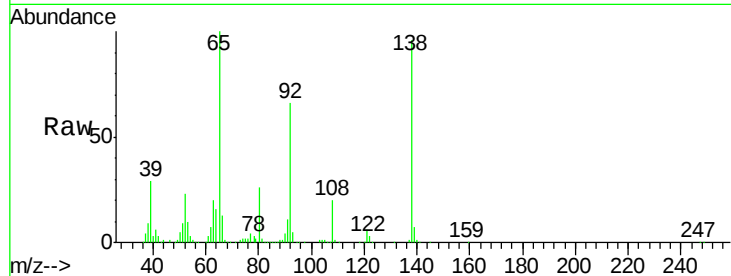




#47
2-Nitroaniline
Concen: 41.44 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

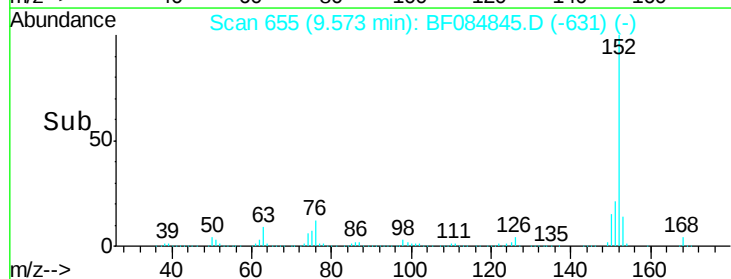
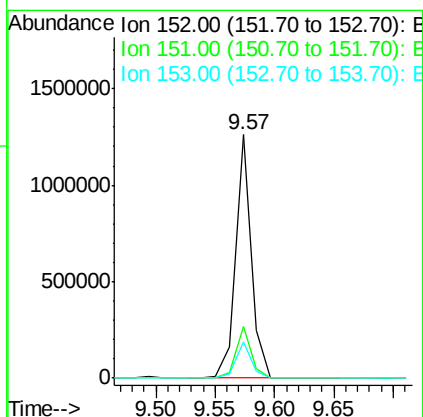
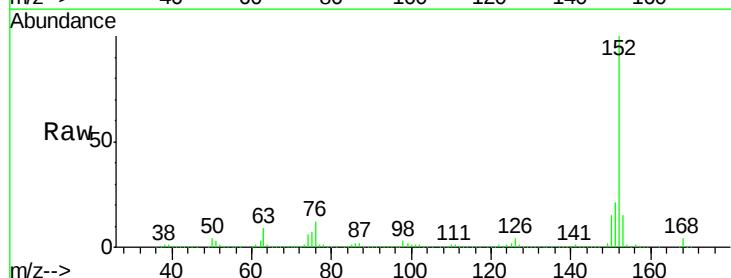
Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

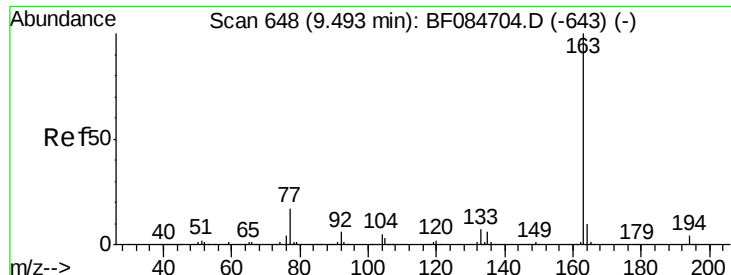
Tgt Ion: 65 Resp: 227146
Ion Ratio Lower Upper
65 100
92 66.2 53.4 80.2
138 96.3 71.1 106.7



#48
Acenaphthylene
Concen: 43.95 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion: 152 Resp: 1154619
Ion Ratio Lower Upper
152 100
151 21.1 16.3 24.5
153 14.7 10.4 15.6

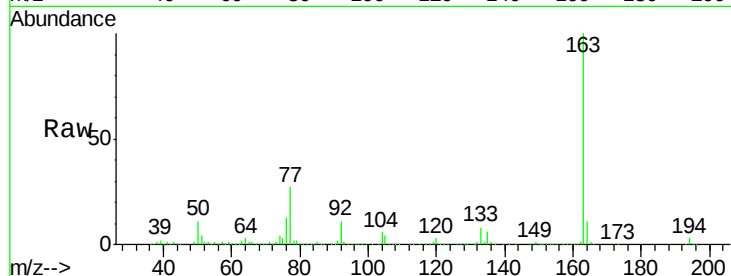




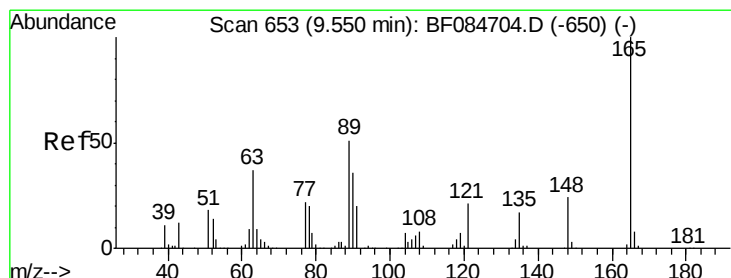
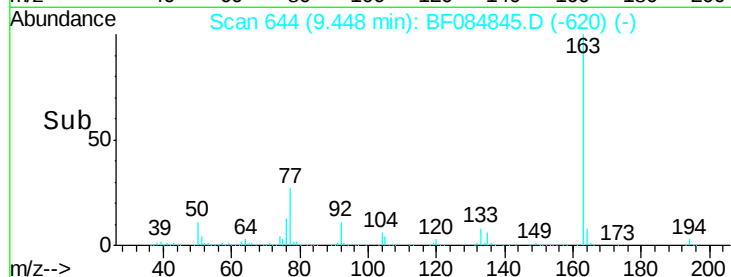
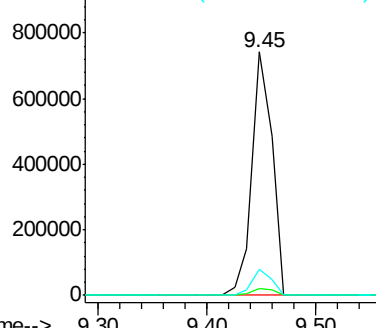
#49
Dimethylphthalate
Concen: 47.90 ng
RT: 9.45 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

Tgt Ion:163 Resp: 960155
Ion Ratio Lower Upper
163 100
194 2.9 8.0 12.0#
164 10.5 8.0 12.0

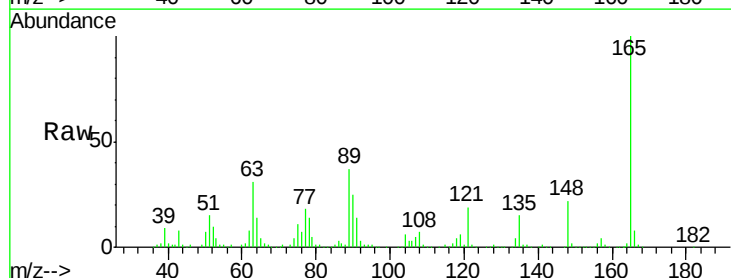


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

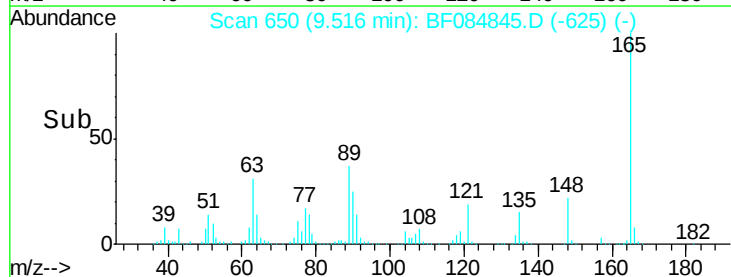
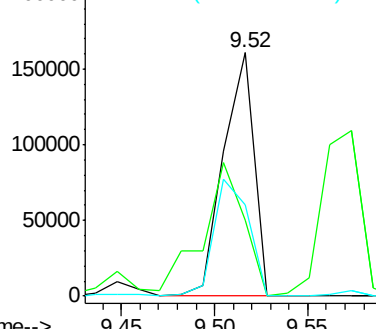


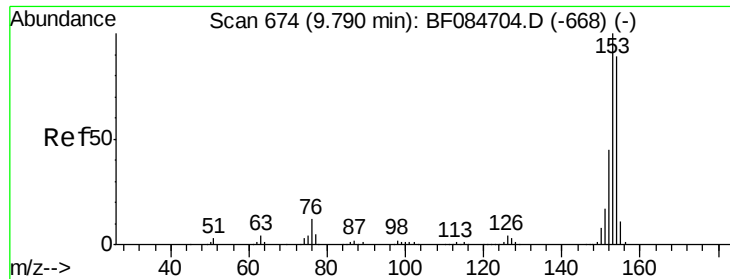
#50
2,6-Dinitrotoluene
Concen: 41.47 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion:165 Resp: 181592
Ion Ratio Lower Upper
165 100
63 31.4 28.8 43.2
89 37.3 35.1 52.7



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: 43.02 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

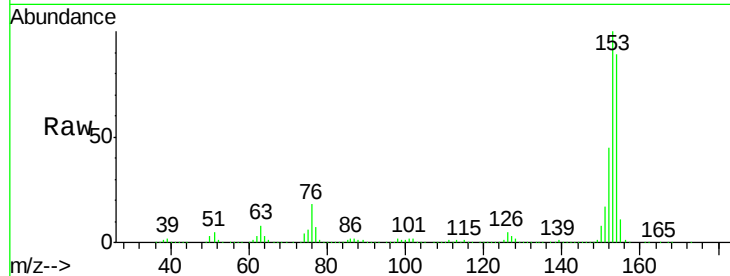
Tgt Ion:154 Resp: 735197

Ion Ratio Lower Upper

154 100

153 112.3 91.5 137.3

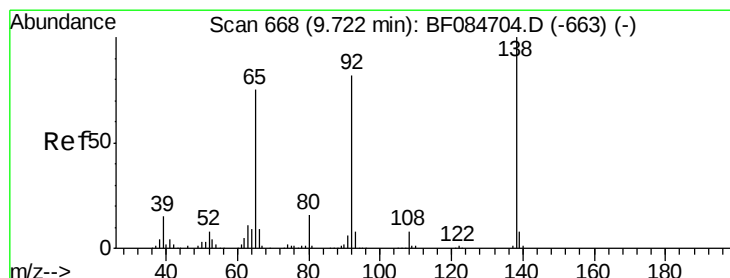
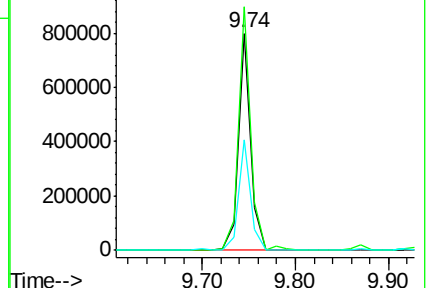
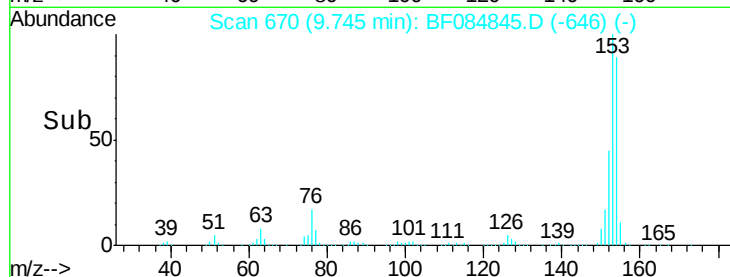
152 50.7 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.04 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

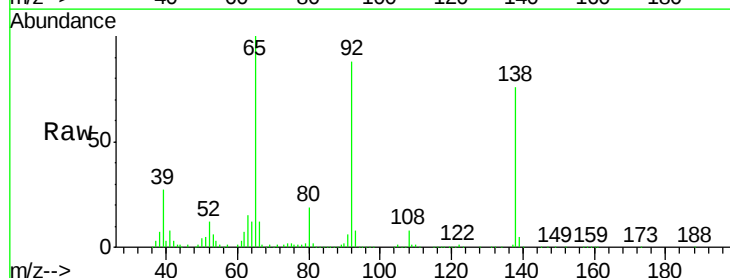
Tgt Ion:138 Resp: 147833

Ion Ratio Lower Upper

138 100

108 10.7 10.5 15.7

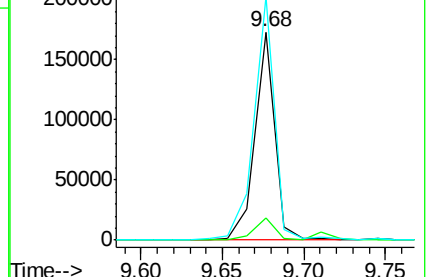
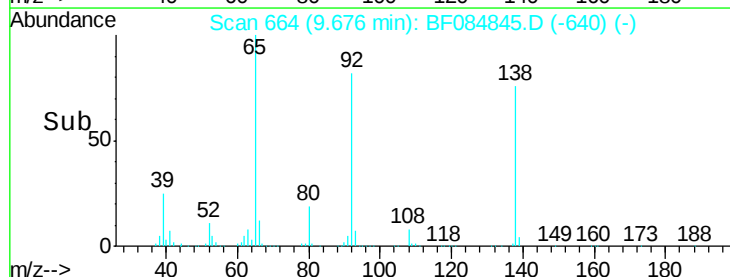
92 116.9 103.9 155.9

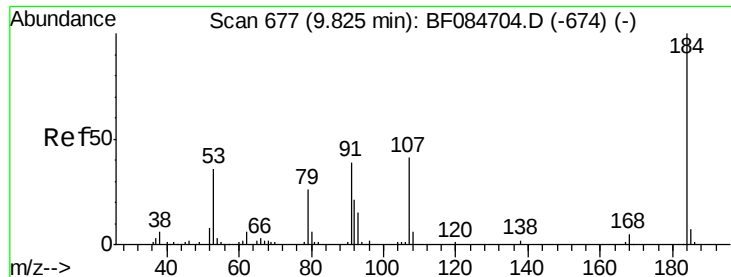


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

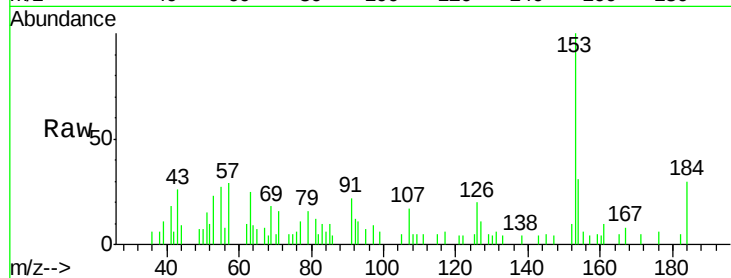




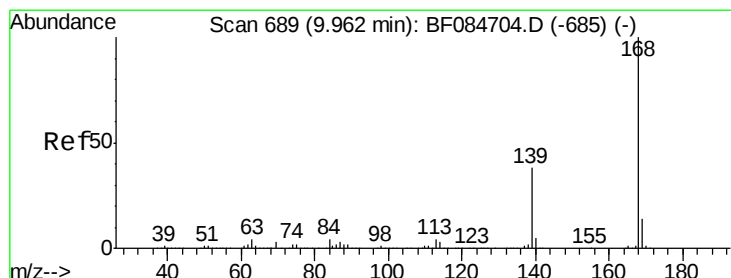
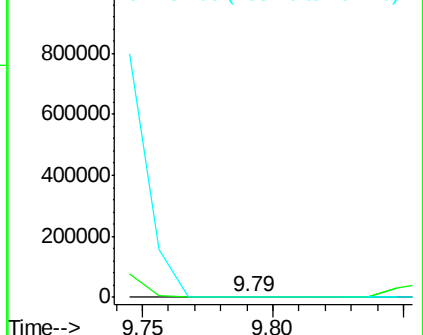
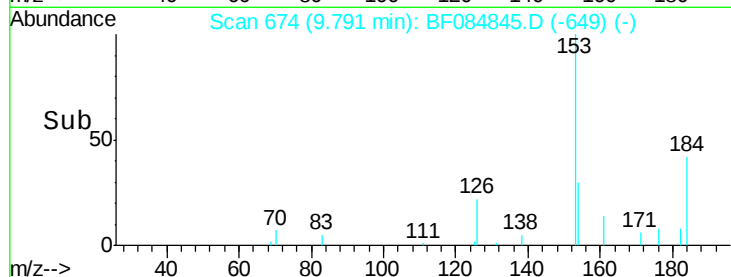
#53
2,4-Dinitrophenol
Concen: 6.80 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

Tgt Ion:184 Resp: 2179
Ion Ratio Lower Upper
184 100
63 84.8 43.1 64.7#
154 104.5 60.5 90.7#

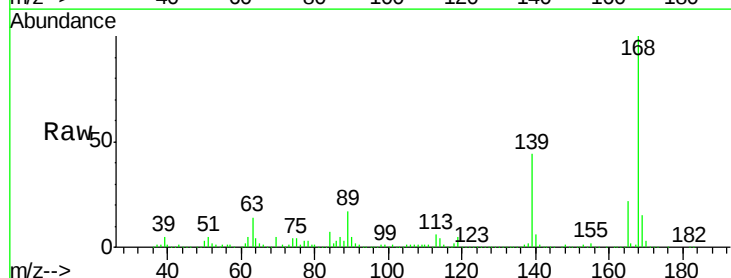


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

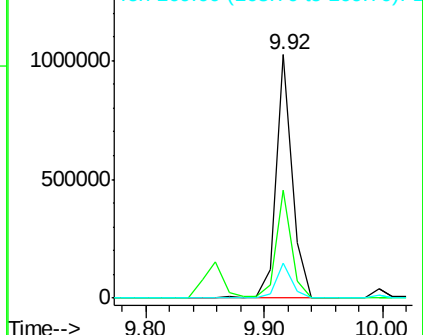
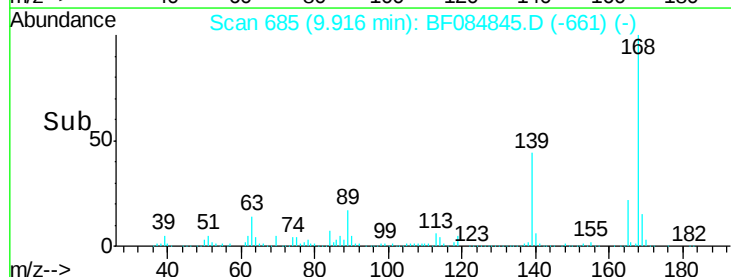


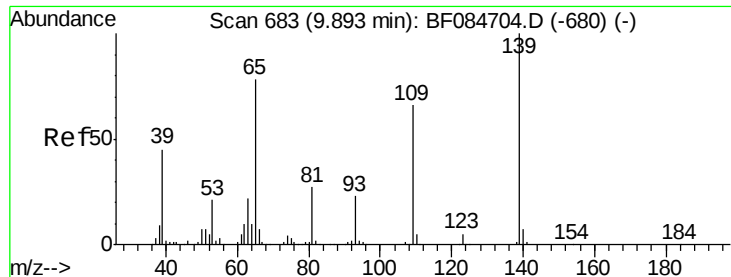
#54
Dibenzofuran
Concen: 45.92 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.02 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion:168 Resp: 959190
Ion Ratio Lower Upper
168 100
139 44.5 30.5 45.7
169 14.6 10.4 15.6



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

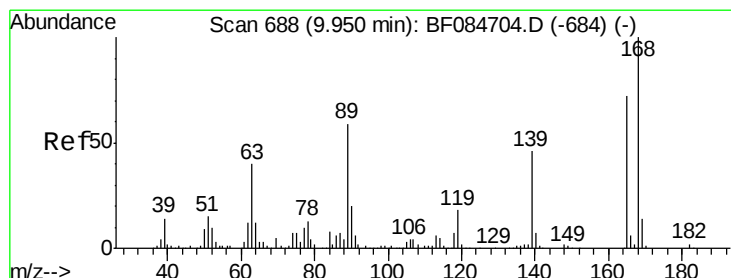
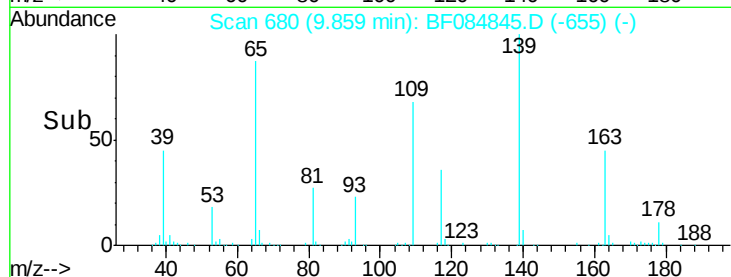
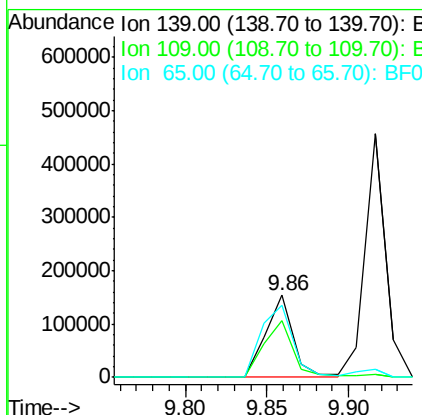
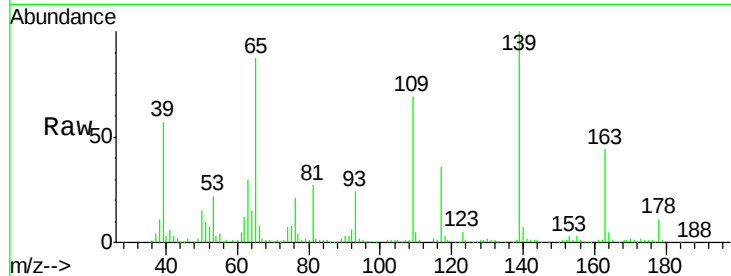




#55
4-Nitrophenol
Concen: 50.60 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

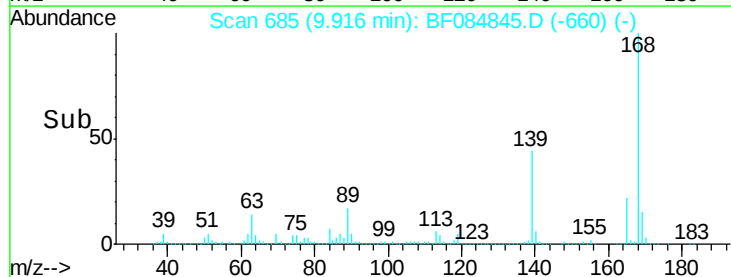
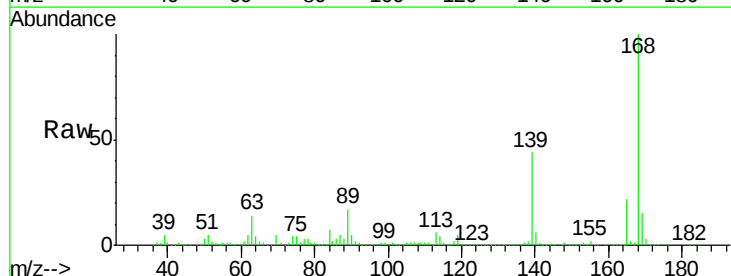
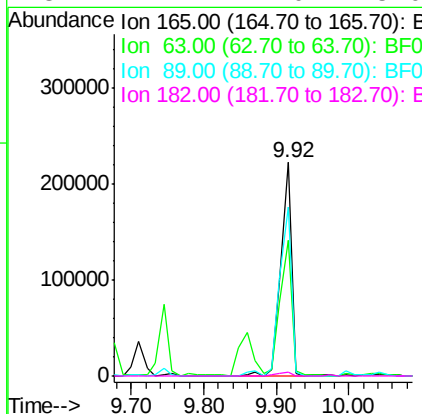
Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

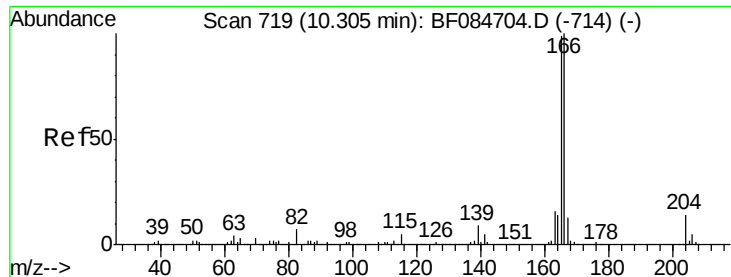
Tgt Ion:139 Resp: 182990
Ion Ratio Lower Upper
139 100
109 69.1 58.5 98.5
65 87.1 57.6 97.6



#56
2,4-Dinitrotoluene
Concen: 41.74 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion:165 Resp: 233105
Ion Ratio Lower Upper
165 100
63 63.8 36.7 55.1#
89 79.0 61.9 92.9
182 2.1 2.0 3.0

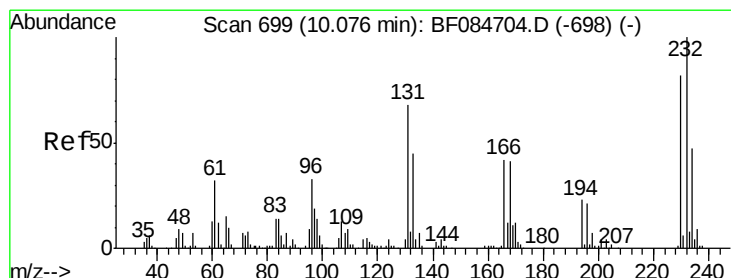
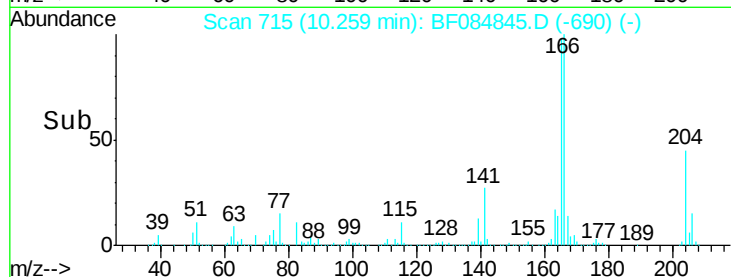
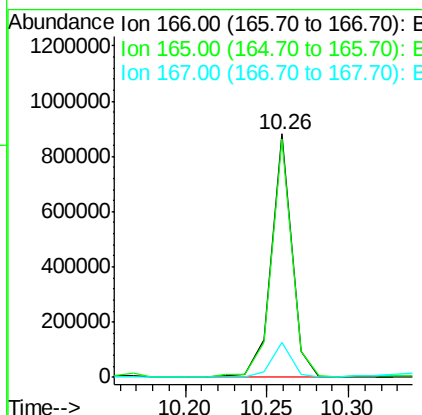
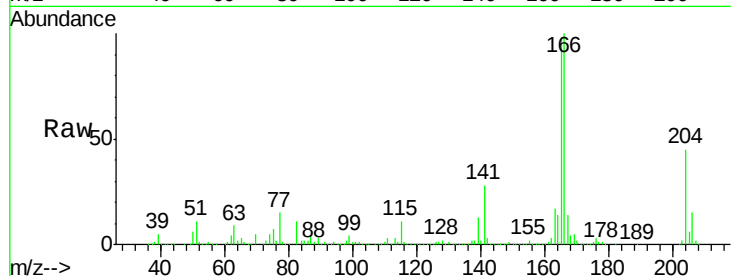




#57
Fluorene
 Concen: 44.19 ng
 RT: 10.26 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

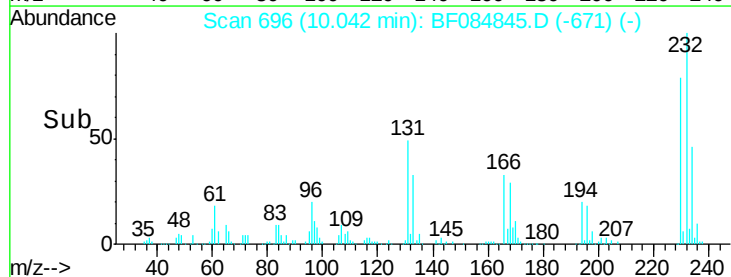
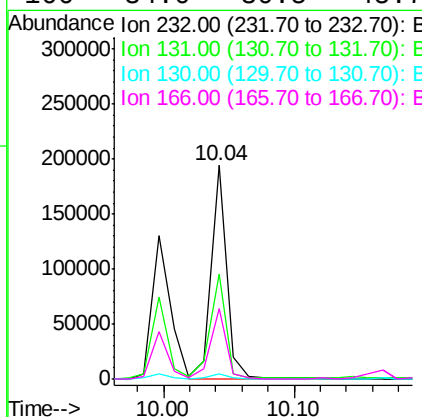
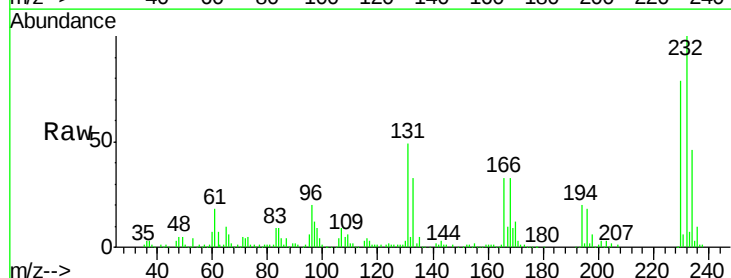
Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

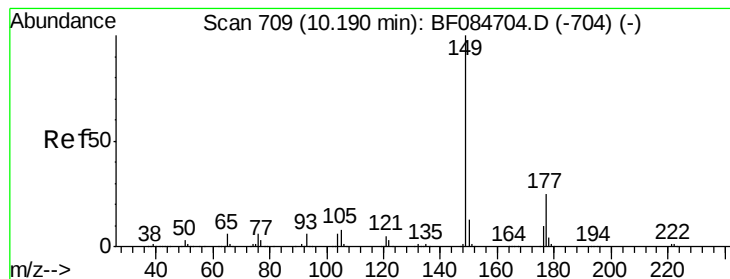
Tgt Ion:166 Resp: 770817
 Ion Ratio Lower Upper
 166 100
 165 98.1 79.1 118.7
 167 14.3 10.4 15.6



#58
2,3,4,6-Tetrachlorophenol
 Concen: 38.48 ng
 RT: 10.04 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Tgt Ion:232 Resp: 160277
 Ion Ratio Lower Upper
 232 100
 131 50.1 47.0 70.6
 130 2.8 2.0 3.0
 166 34.0 30.5 45.7





#59

Diethylphthalate

Concen: 38.75 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

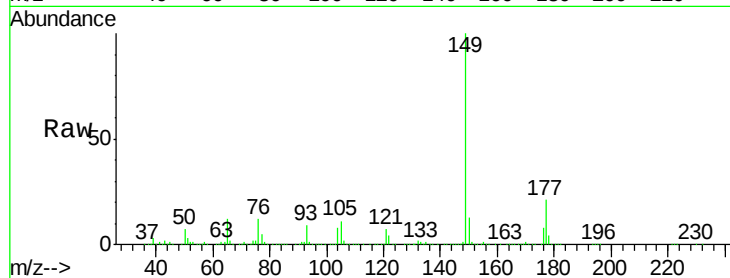
Tgt Ion:149 Resp: 758450

Ion Ratio Lower Upper

149 100

177 20.9 17.3 25.9

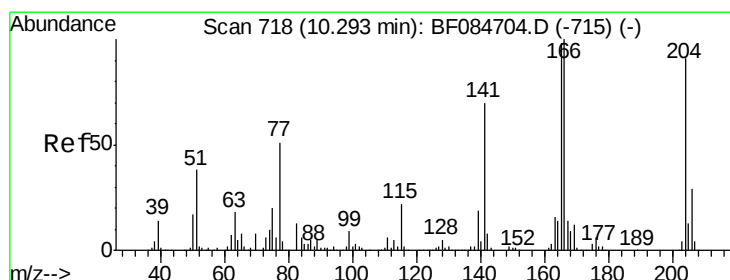
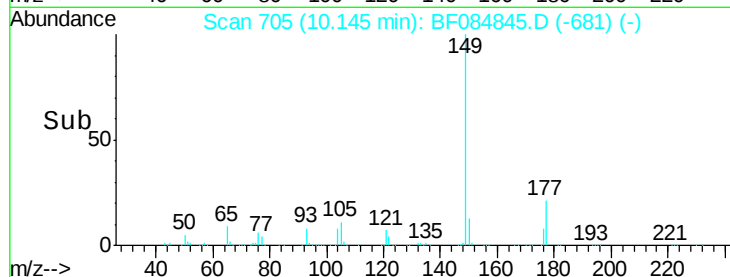
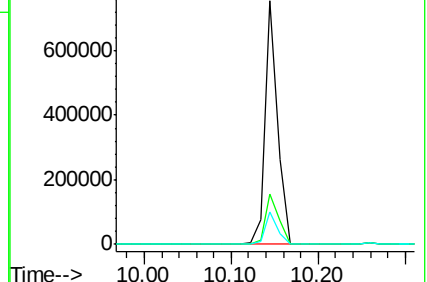
150 13.1 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.69 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

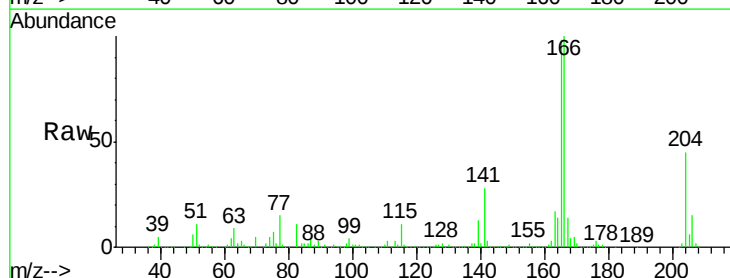
Tgt Ion:204 Resp: 340181

Ion Ratio Lower Upper

204 100

206 33.2 25.7 38.5

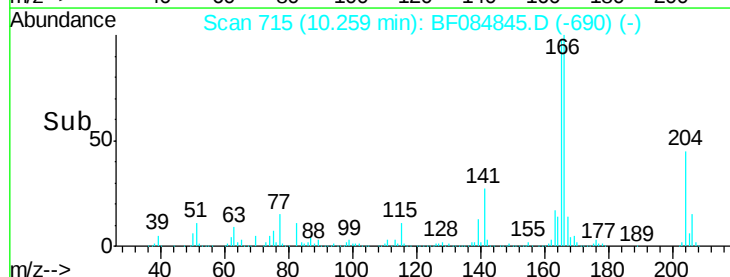
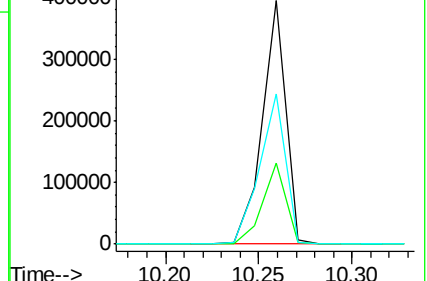
141 61.4 55.1 82.7

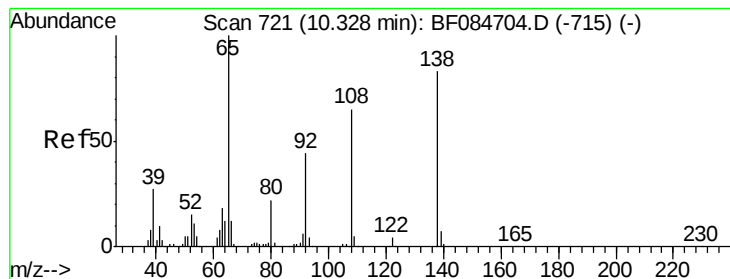


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.48 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

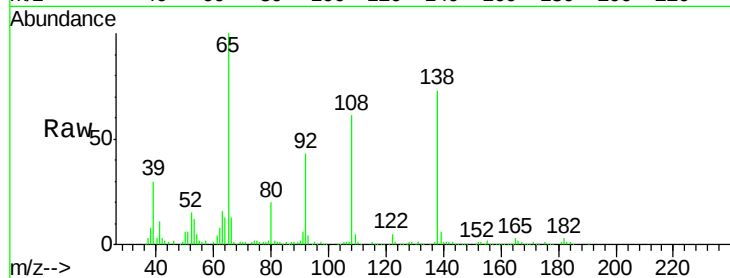
Tgt Ion:138 Resp: 174915

Ion Ratio Lower Upper

138 100

92 59.0 32.6 72.6

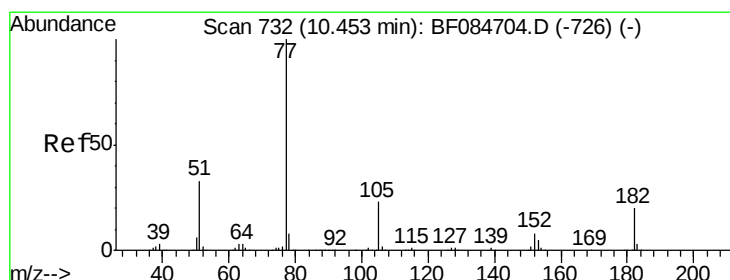
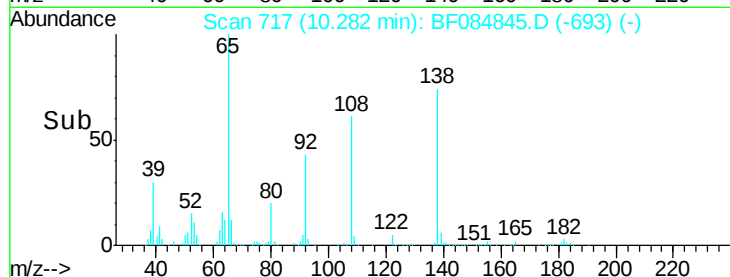
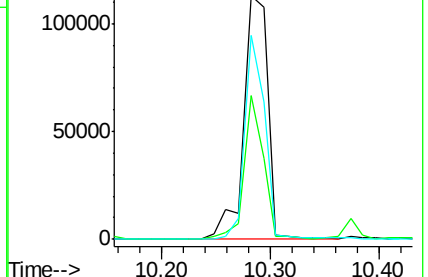
108 83.5 68.6 108.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 43.32 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Tgt Ion: 77 Resp: 815225

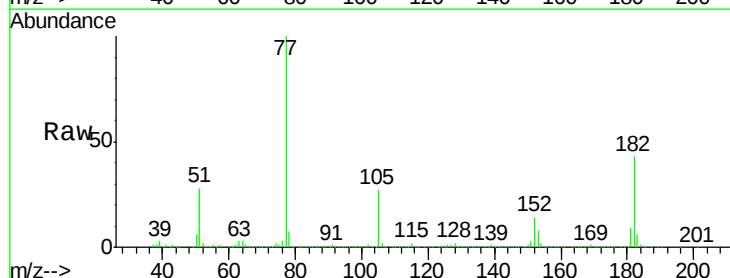
Ion Ratio Lower Upper

77 100

182 42.9 8.3 48.3

105 27.1 4.6 44.6

51 27.6 6.2 46.2

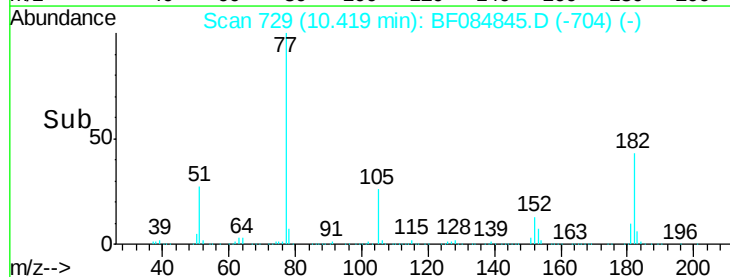
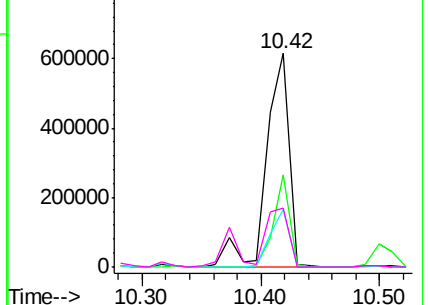


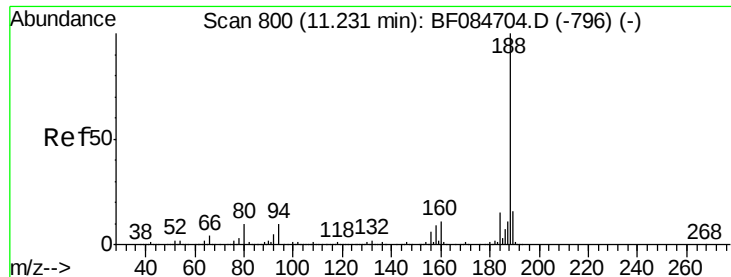
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

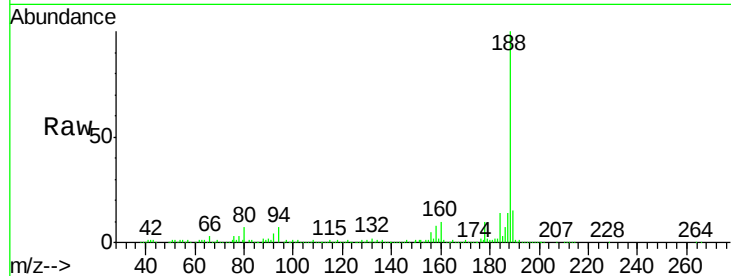




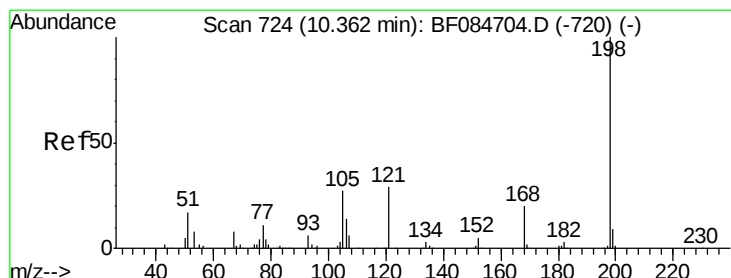
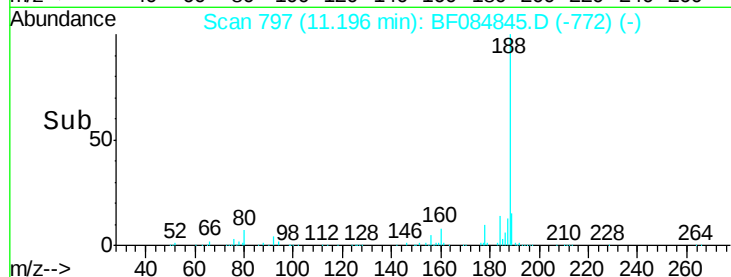
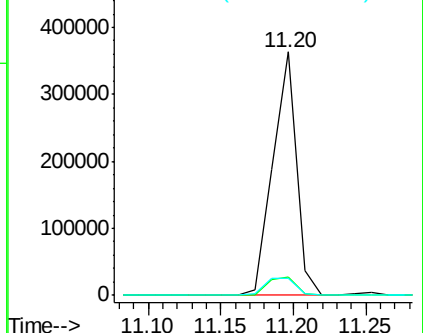
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

Tgt Ion:188 Resp: 411820
Ion Ratio Lower Upper
188 100
94 7.4 9.0 13.4#
80 7.2 9.6 14.4#

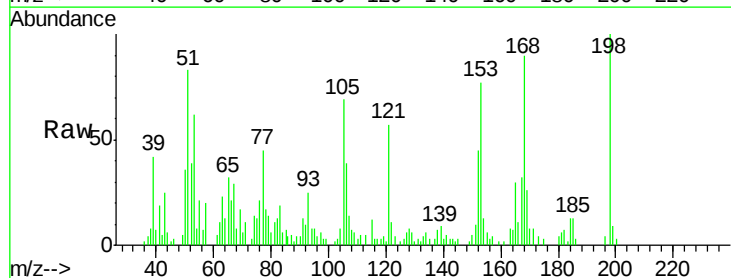


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

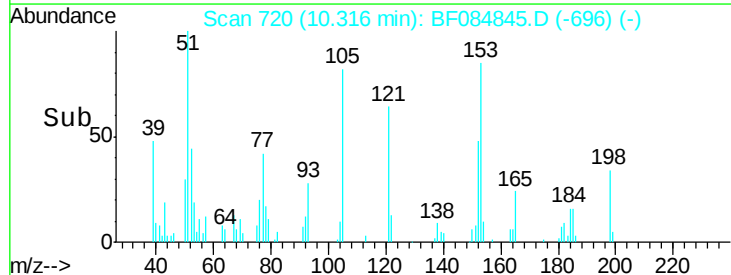
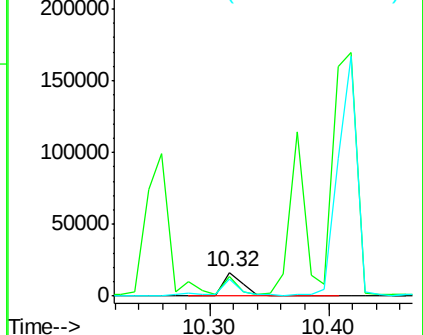


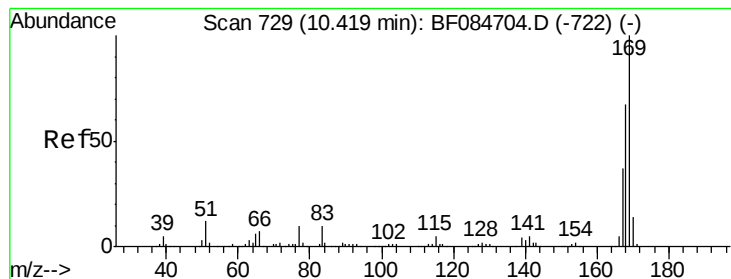
#64
4,6-Dinitro-2-methylphenol
Concen: 7.40 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.02 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion:198 Resp: 18818
Ion Ratio Lower Upper
198 100
51 82.8 18.9 58.9#
105 68.8 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 46.86 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

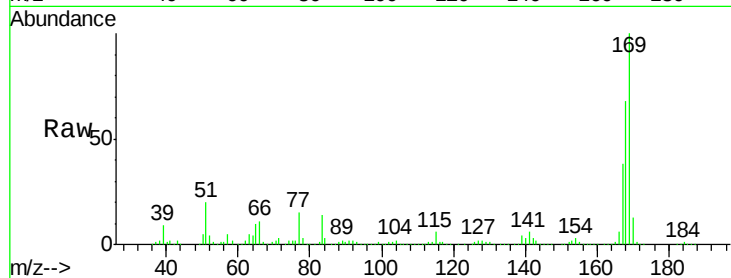
Tgt Ion:169 Resp: 612744

Ion Ratio Lower Upper

169 100

168 68.1 55.1 82.7

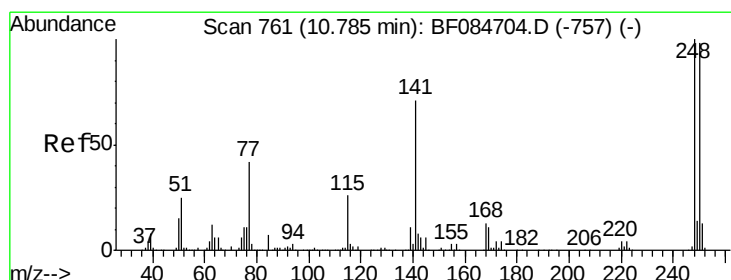
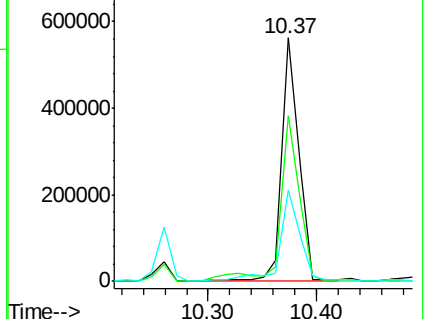
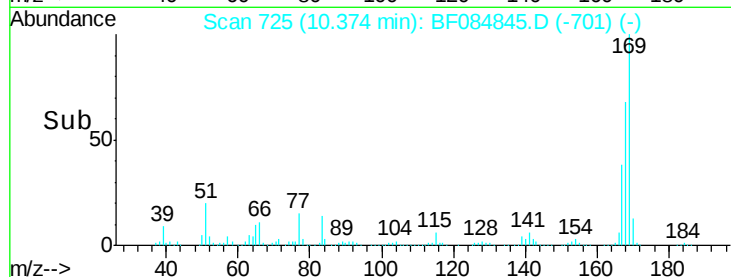
167 37.7 30.0 45.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 42.77 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

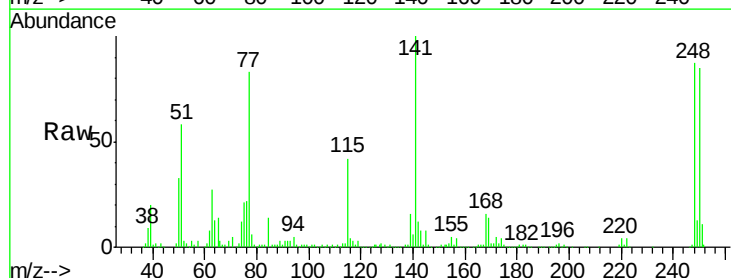
Tgt Ion:248 Resp: 194522

Ion Ratio Lower Upper

248 100

250 97.7 78.4 117.6

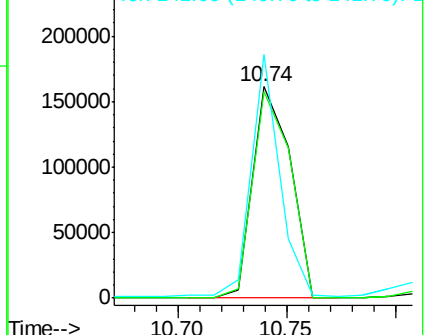
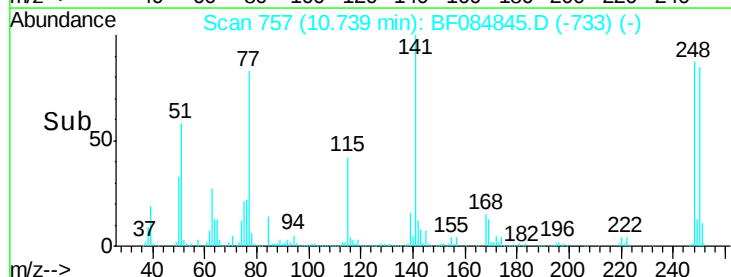
141 115.2 44.0 66.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

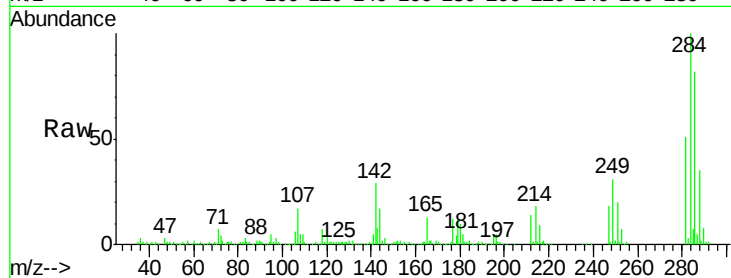




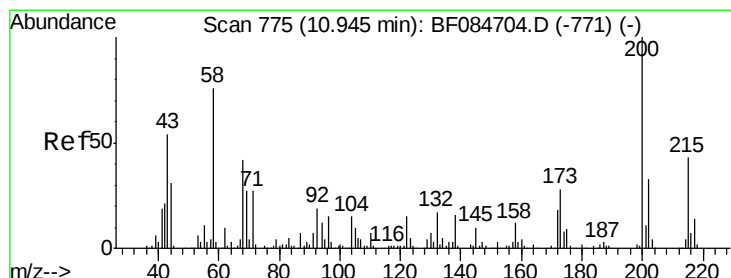
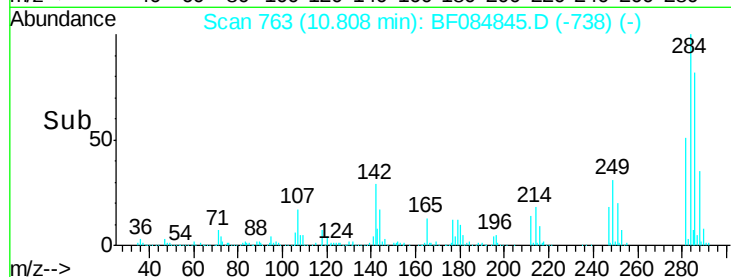
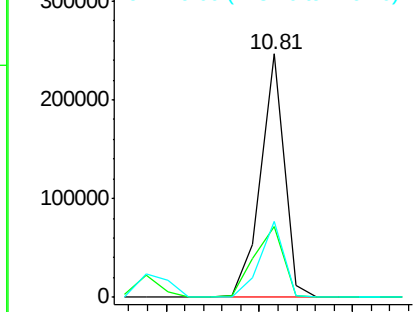
#67
Hexachlorobenzene
Concen: 43.44 ng
RT: 10.81 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

Tgt Ion: 284 Resp: 215290
Ion Ratio Lower Upper
284 100
142 29.1 22.2 33.4
249 31.0 24.6 37.0

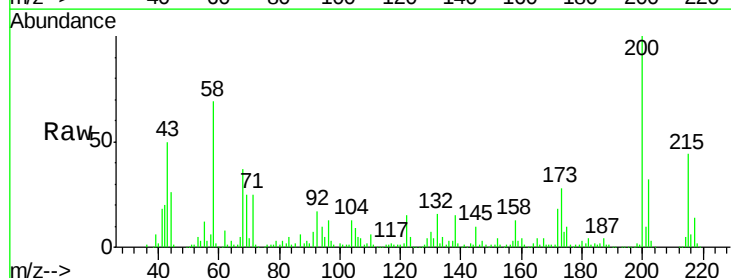


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

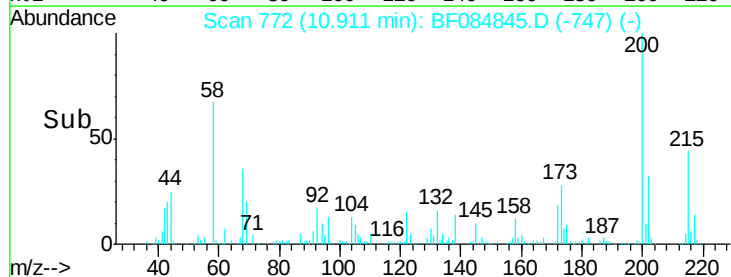
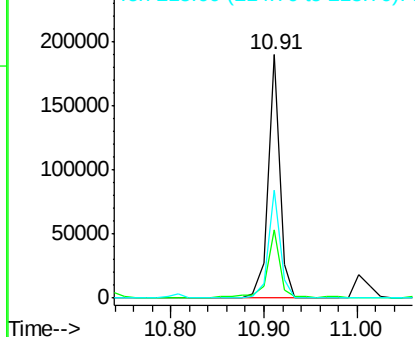


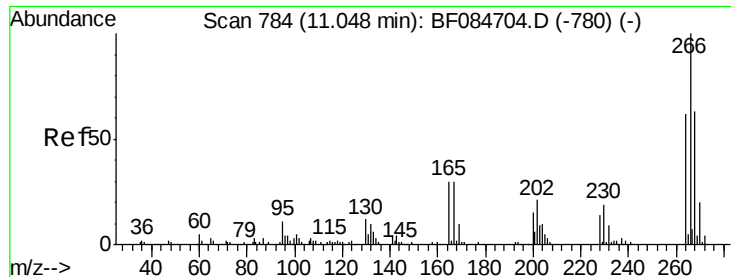
#68
Atrazine
Concen: 41.51 ng
RT: 10.91 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion: 200 Resp: 171431
Ion Ratio Lower Upper
200 100
173 28.0 9.5 49.5
215 44.1 23.8 63.8



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

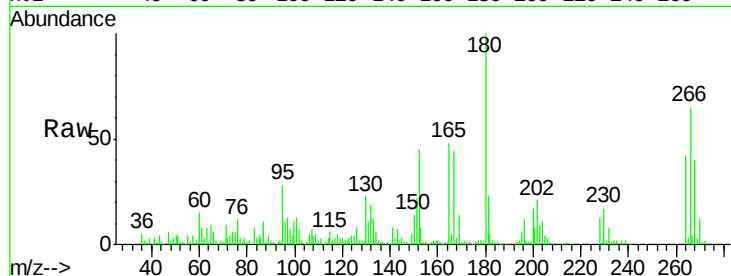




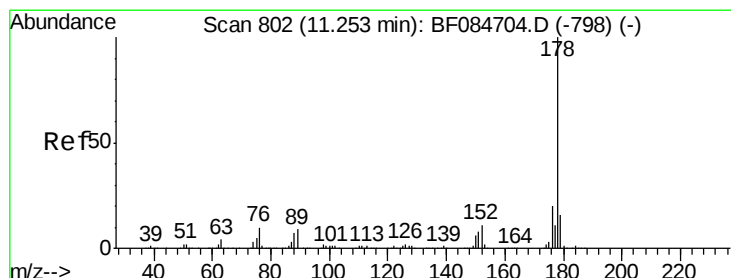
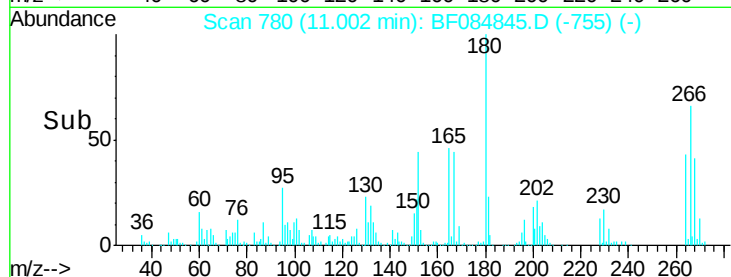
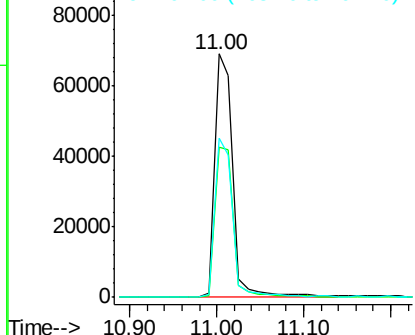
#69
 Pentachlorophenol
 Concen: 43.50 ng
 RT: 11.00 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

Tgt Ion:266 Resp: 101332
 Ion Ratio Lower Upper
 266 100
 268 61.9 52.4 78.6
 264 65.2 50.2 75.2

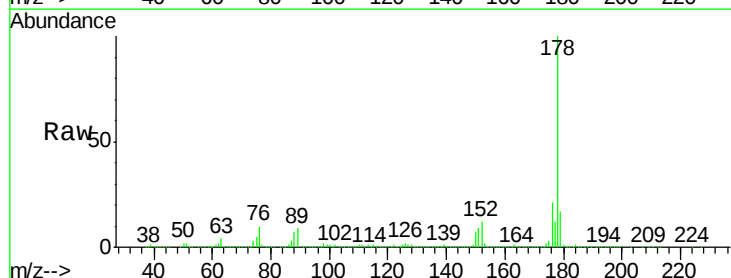


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

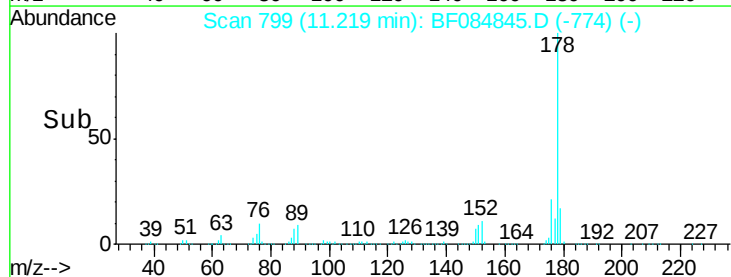
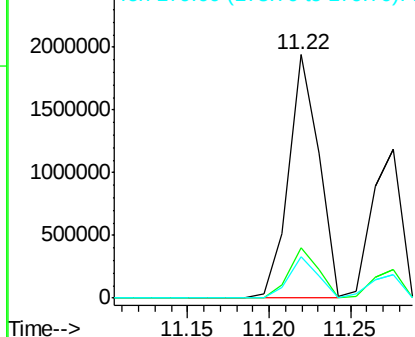


#70
 Phenanthrene
 Concen: 109.68 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Tgt Ion:178 Resp: 2505287
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.3 22.9
 179 16.8 12.0 18.0



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





#71

Anthracene

Concen: 64.22 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

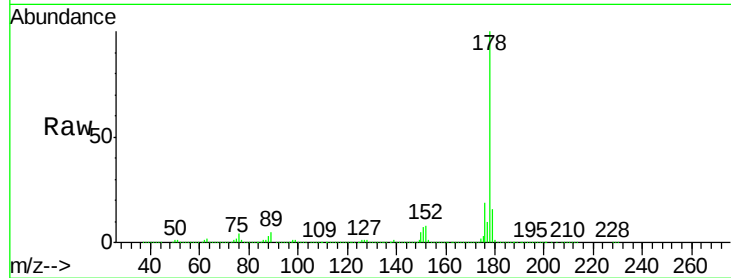
Tgt Ion:178 Resp: 1477998

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

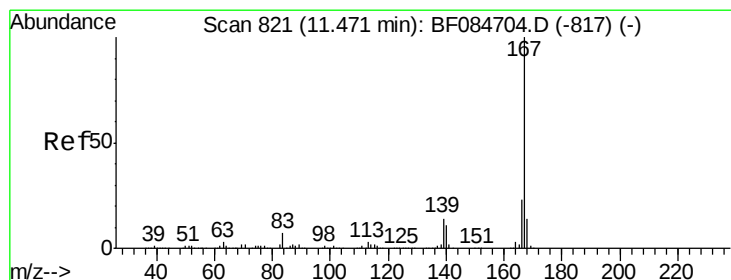
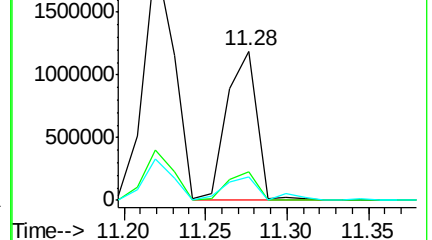
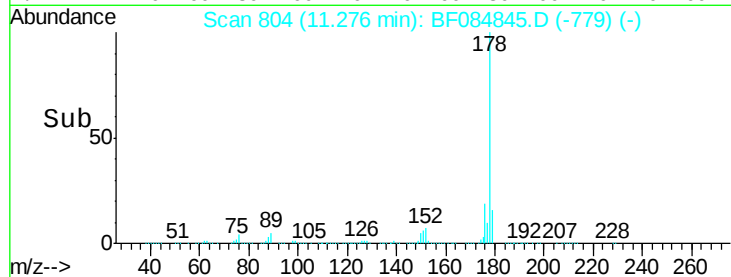
179 15.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 44.11 ng

RT: 11.43 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

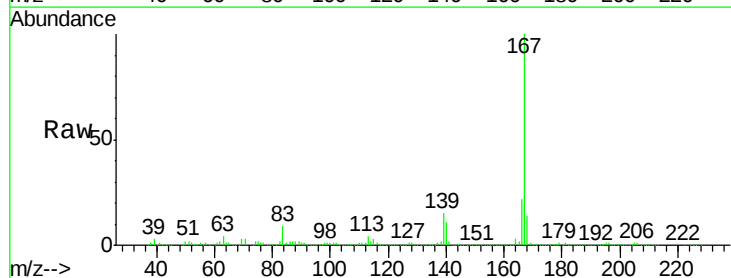
Tgt Ion:167 Resp: 885304

Ion Ratio Lower Upper

167 100

166 21.9 17.6 26.4

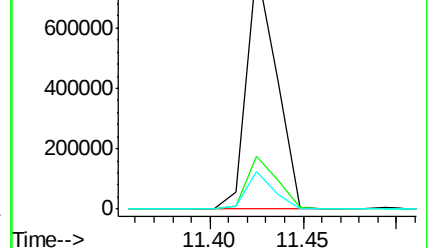
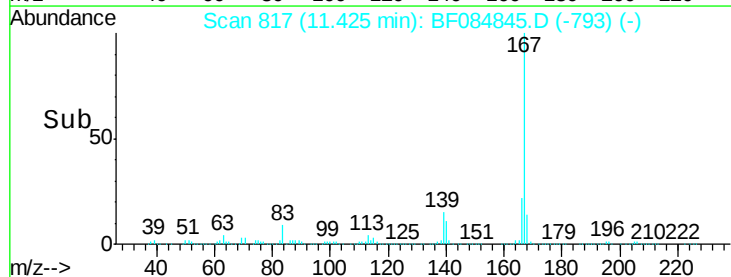
139 15.4 11.8 17.8

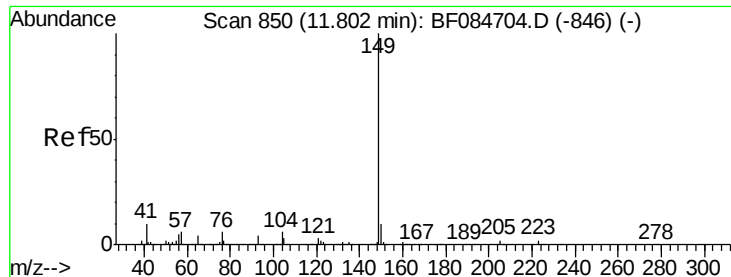


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 39.42 ng

RT: 11.77 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

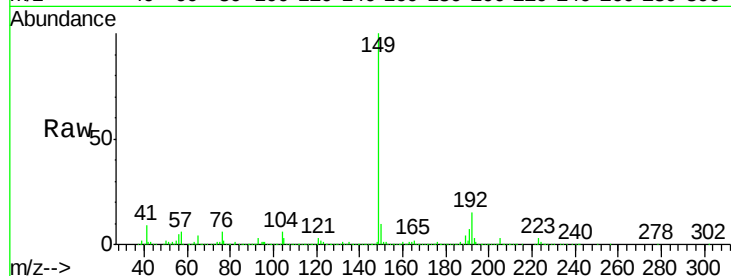
Tgt Ion:149 Resp: 1007308

Ion Ratio Lower Upper

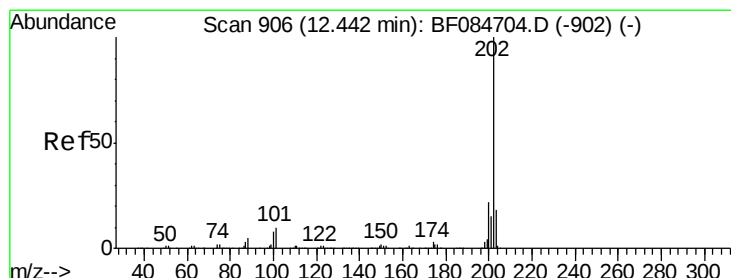
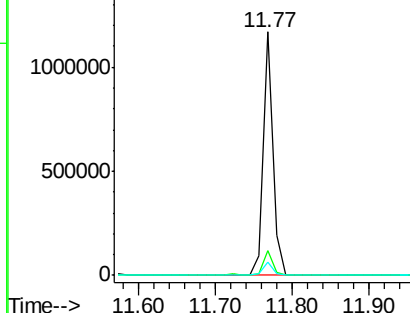
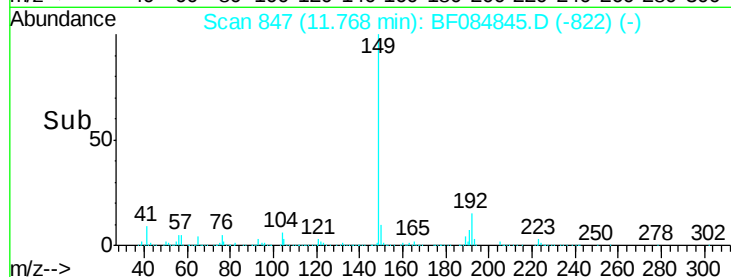
149 100

150 10.0 7.1 10.7

104 5.7 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 146.25 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

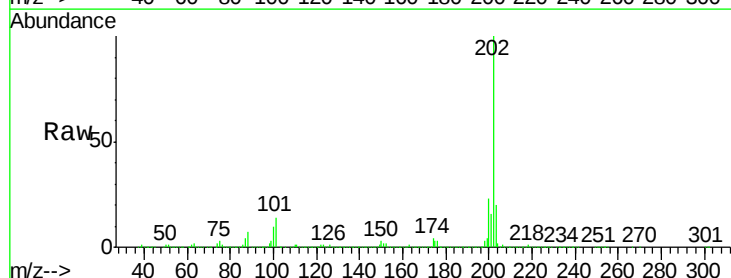
Tgt Ion:202 Resp: 3381063

Ion Ratio Lower Upper

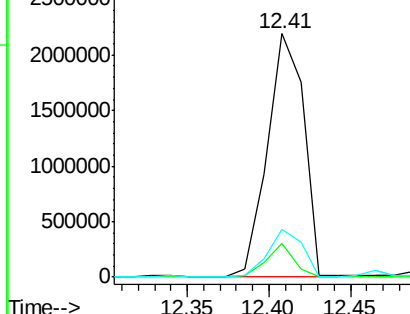
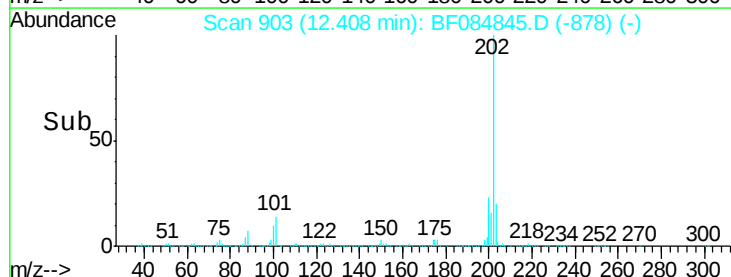
202 100

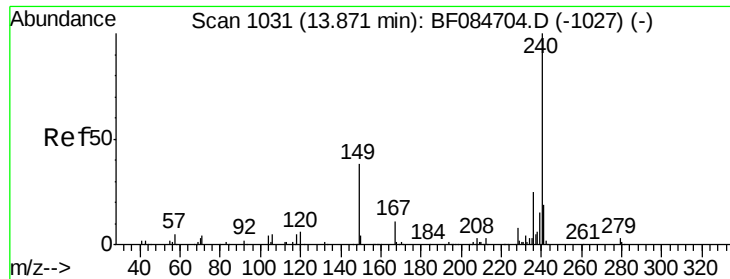
101 13.7 0.0 32.8

203 19.6 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

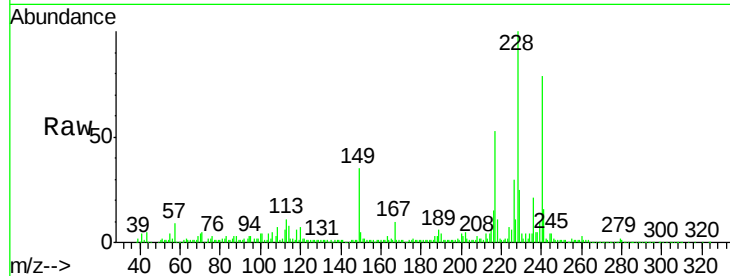
Instrument :

BNA_F

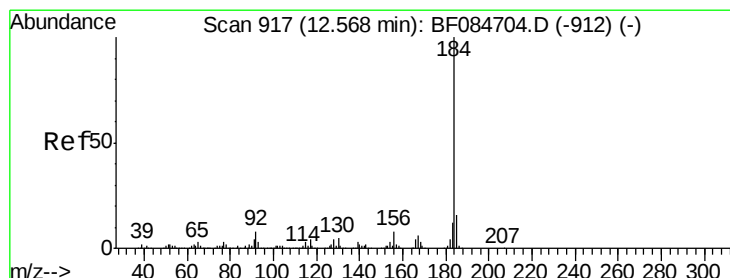
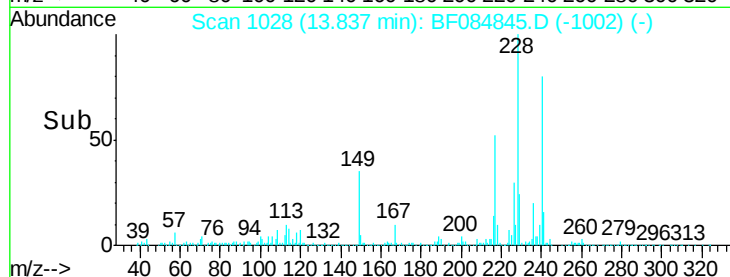
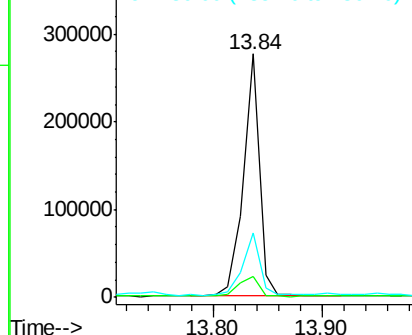
ClientSampleId :

S4-B019(11-13)MS

Tgt Ion:240 Resp: 283220
 Ion Ratio Lower Upper
 240 100
 120 8.8 9.5 14.3#
 236 26.4 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 23.60 ng

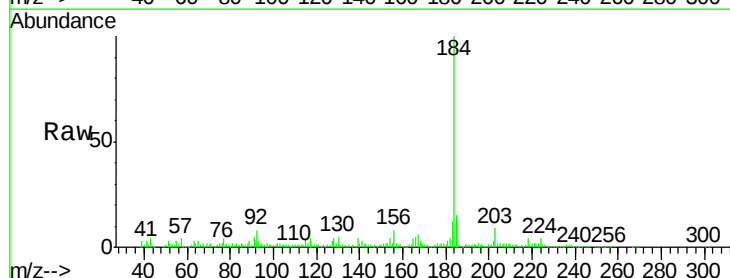
RT: 12.53 min Scan# 914

Delta R.T. -0.01 min

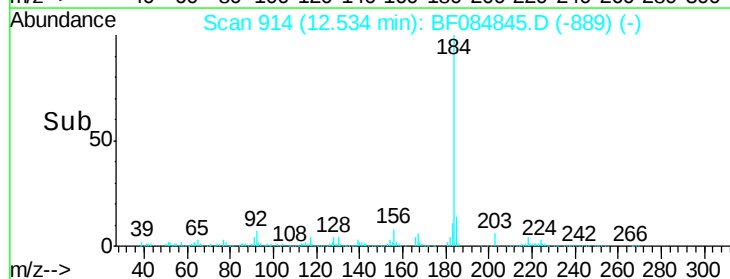
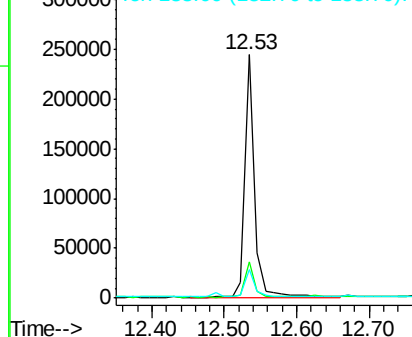
Lab File: BF084845.D

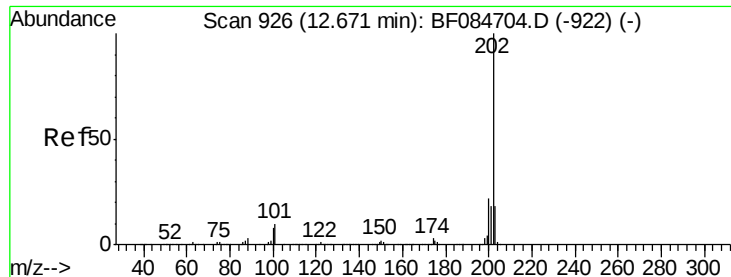
Acq: 4 Feb 2016 23:00

Tgt Ion:184 Resp: 226835
 Ion Ratio Lower Upper
 184 100
 185 14.8 12.2 18.2
 183 11.9 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 142.99 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

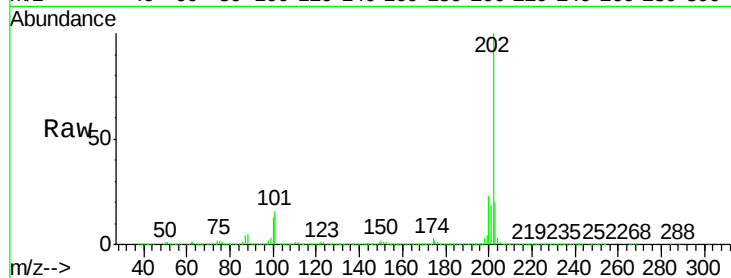
Tgt Ion:202 Resp: 3100609

Ion Ratio Lower Upper

202 100

200 23.3 17.2 25.8

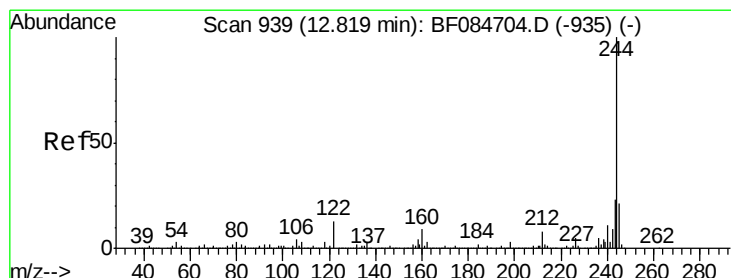
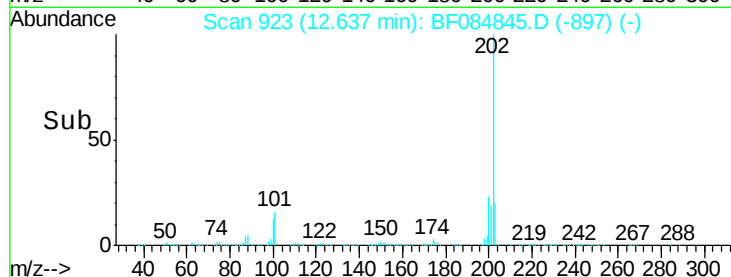
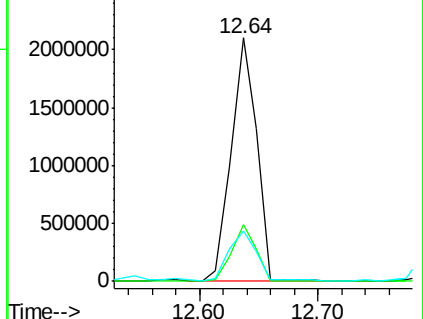
203 20.4 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.10 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

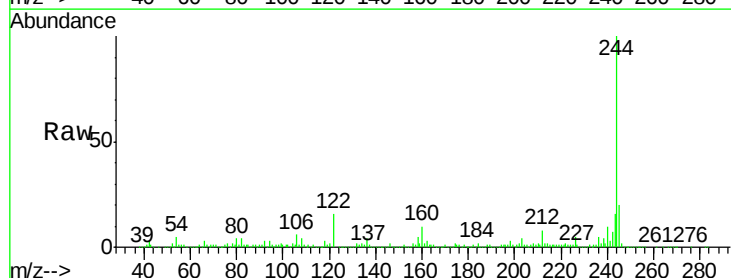
Tgt Ion:244 Resp: 876194

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

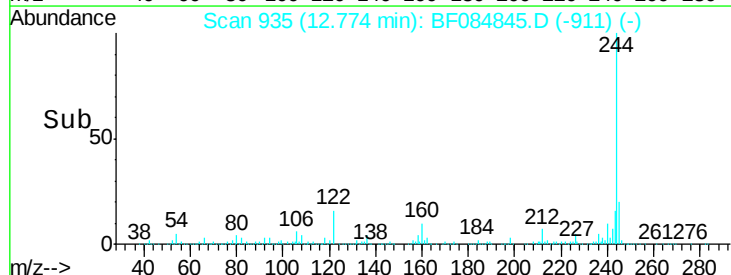
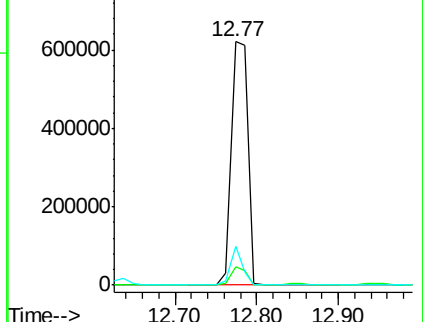
122 16.0 7.4 11.0#

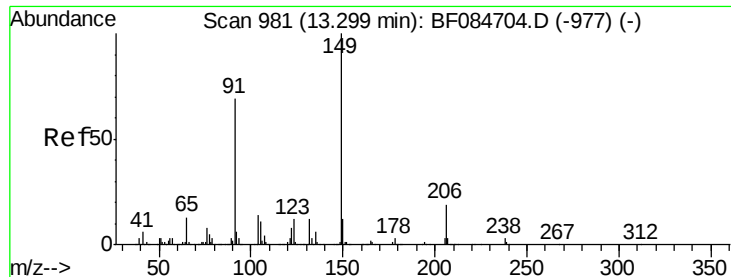


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

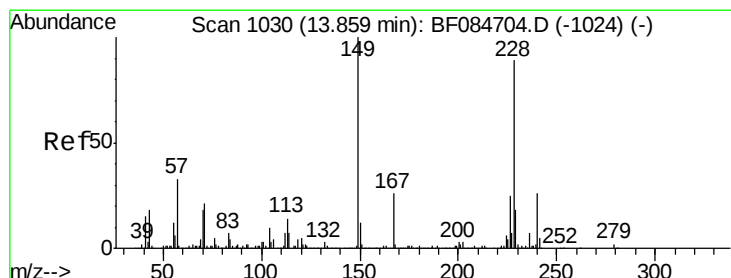
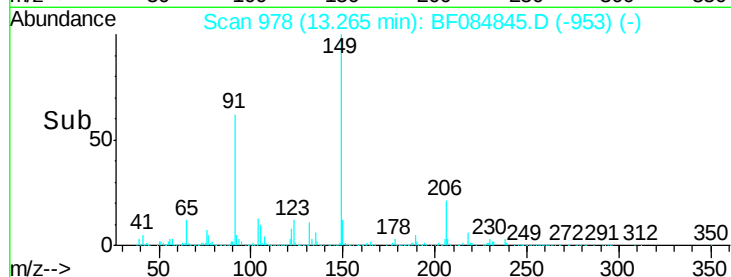
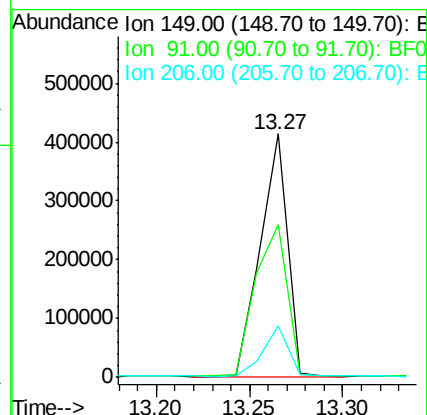
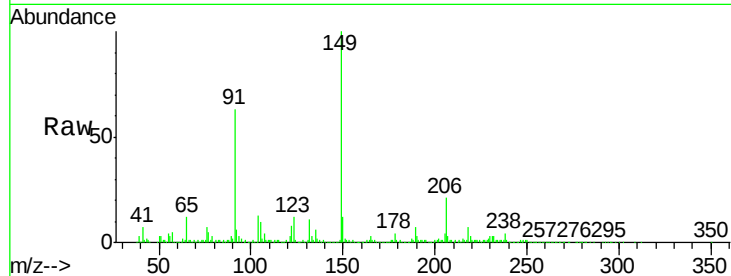




#79
Butylbenzylphthalate
Concen: 42.17 ng
RT: 13.27 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

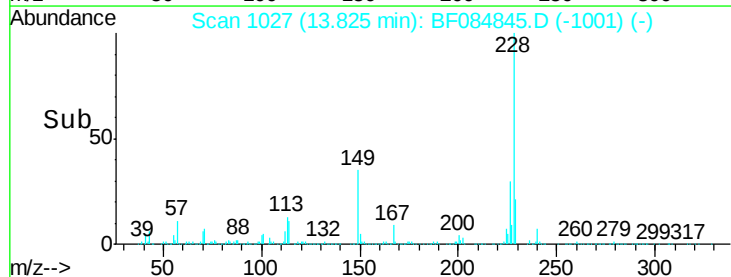
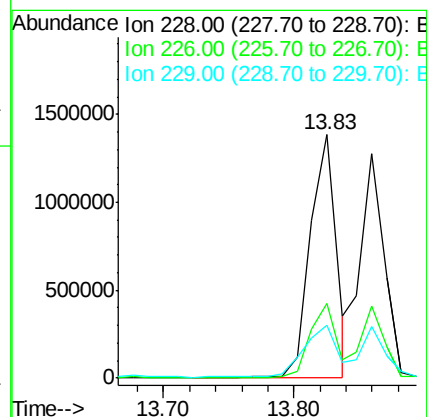
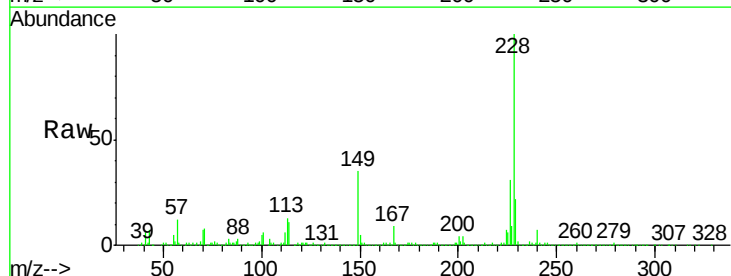
Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

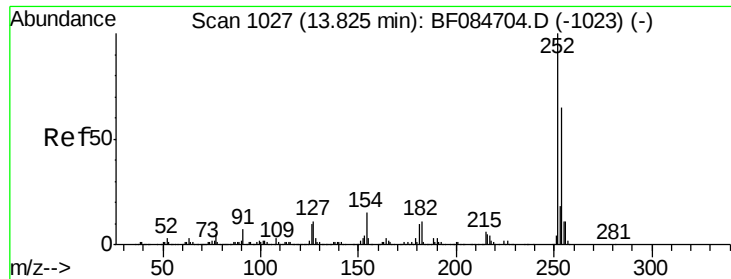
Tgt Ion:149 Resp: 414797
Ion Ratio Lower Upper
149 100
91 62.9 57.6 86.4
206 21.2 13.2 19.8#



#80
Benzo(a)anthracene
Concen: 107.69 ng
RT: 13.83 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion:228 Resp: 1892962
Ion Ratio Lower Upper
228 100
226 30.9 21.8 32.6
229 21.9 15.8 23.8





#81

3,3'-Dichlorobenzidine

Concen: 20.69 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

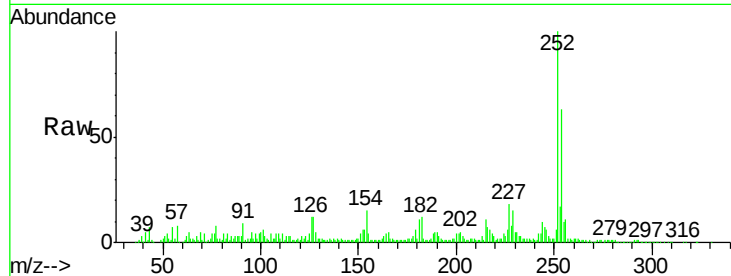
Instrument :

BNA_F

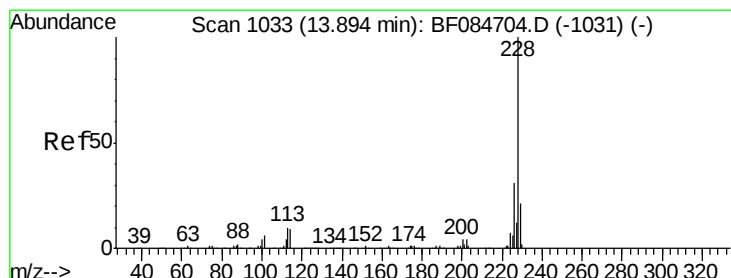
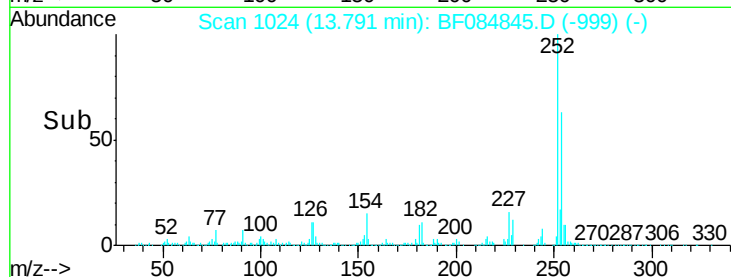
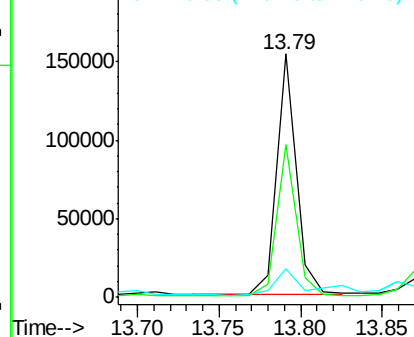
ClientSampleId :

S4-B019(11-13)MS

Tgt Ion:	252	Resp:	128802
Ion	Ratio	Lower	Upper
252	100		
254	62.9	53.5	80.3
126	11.8	4.9	7.3#



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



#82

Chrysene

Concen: 74.47 ng

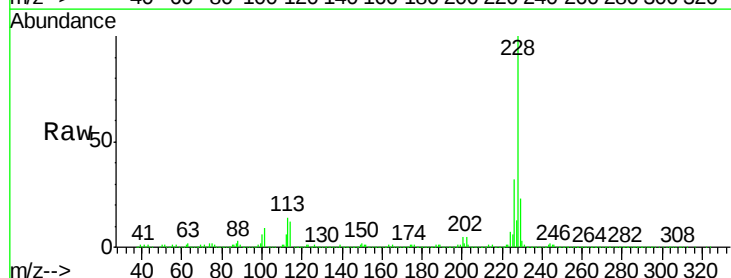
RT: 13.86 min Scan# 1030

Delta R.T. 0.00 min

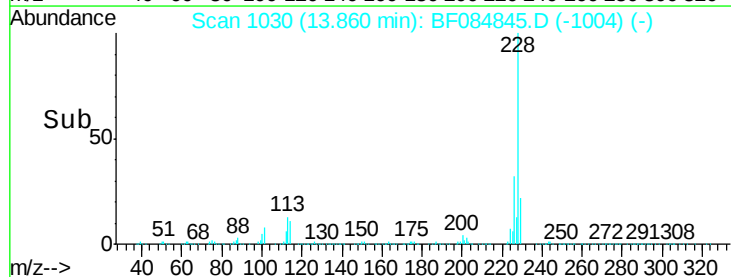
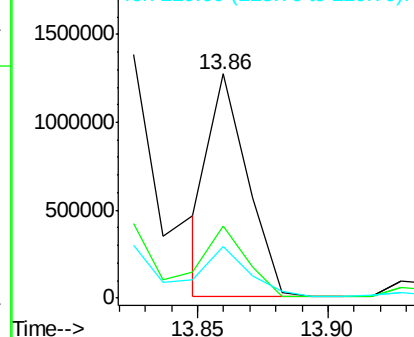
Lab File: BF084845.D

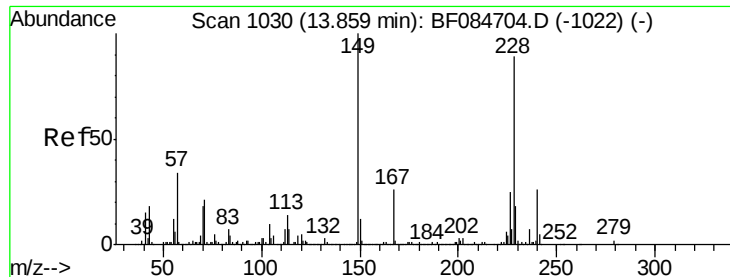
Acq: 4 Feb 2016 23:00

Tgt Ion:	228	Resp:	1269388
Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.3	36.5
229	22.9	16.1	24.1



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

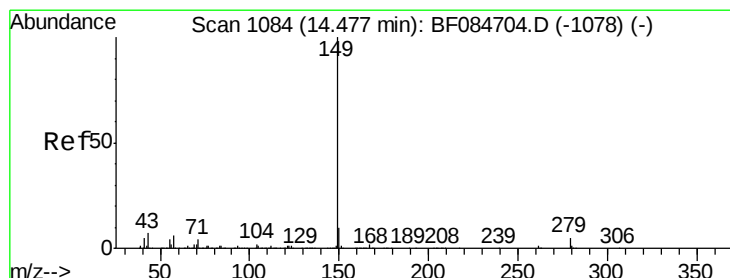
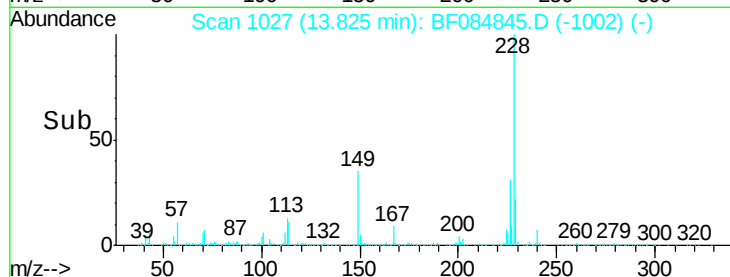
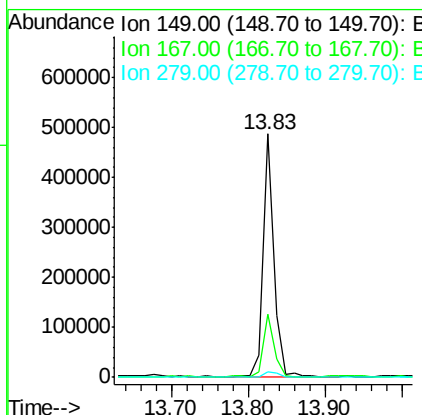
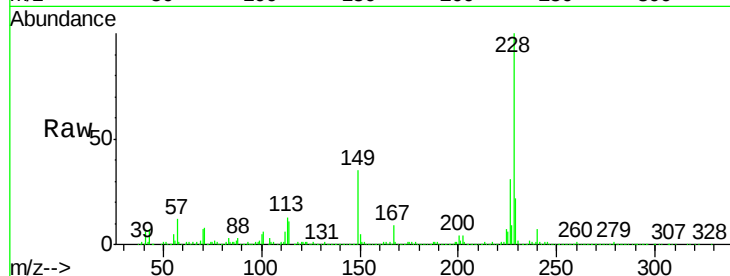




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.31 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

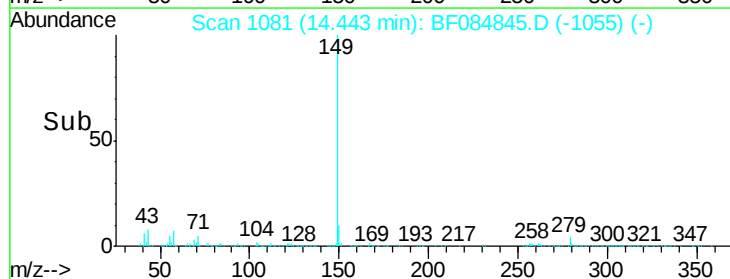
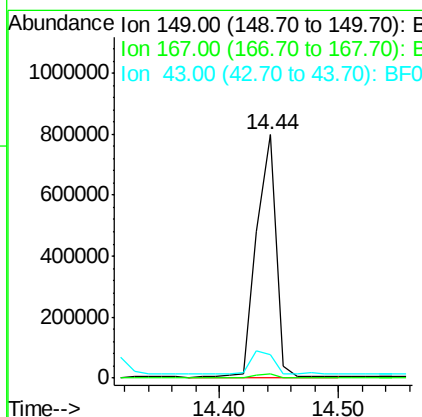
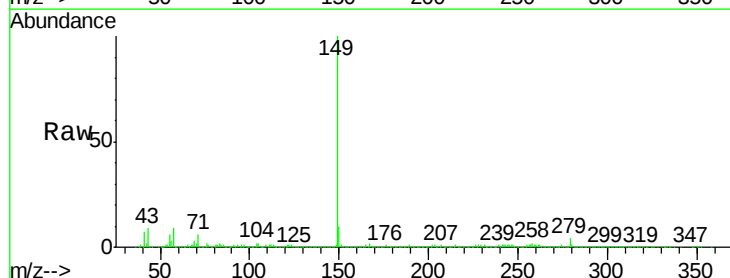
Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MS

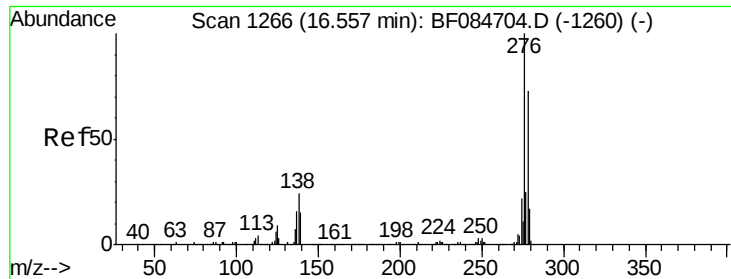
Tgt Ion:149 Resp: 456739
 Ion Ratio Lower Upper
 149 100
 167 25.9 19.7 29.5
 279 2.4 1.8 2.6



#84
 Di-n-octyl phthalate
 Concen: 45.37 ng
 RT: 14.44 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: BF084845.D
 Acq: 4 Feb 2016 23:00

Tgt Ion:149 Resp: 916294
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.2 1.8
 43 11.8 5.6 8.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 112.45 ng

RT: 16.52 min Scan# 1263

Delta R.T. 0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

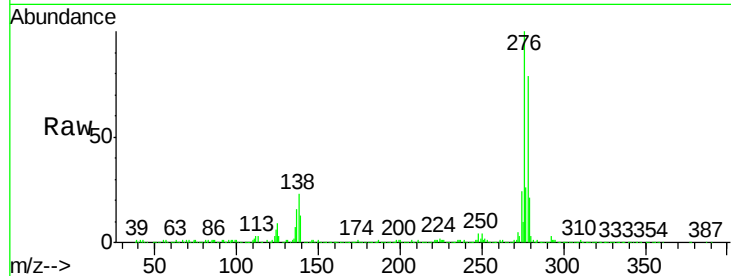
Tgt Ion:276 Resp: 1508702

Ion Ratio Lower Upper

276 100

138 22.4 20.6 30.8

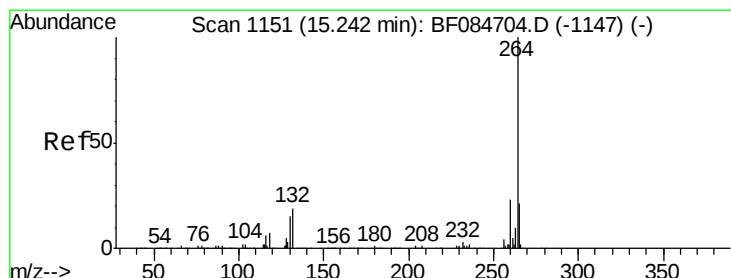
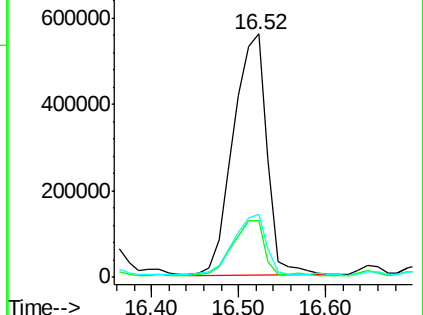
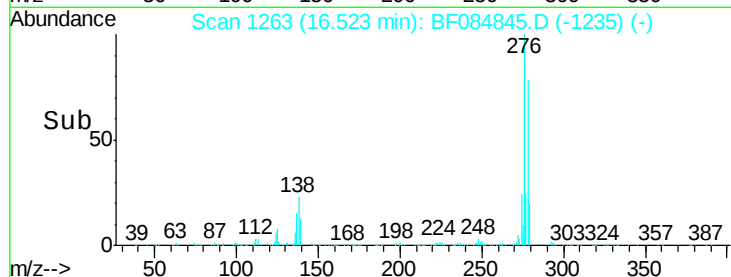
277 24.2 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

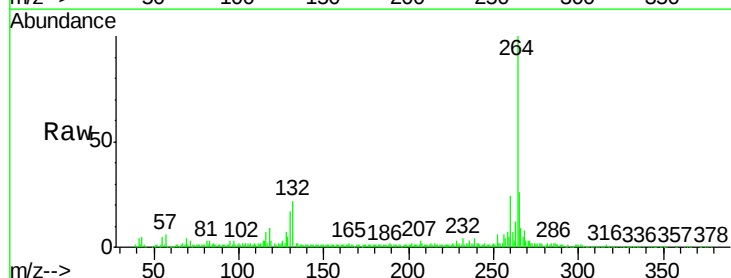
Tgt Ion:264 Resp: 323875

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

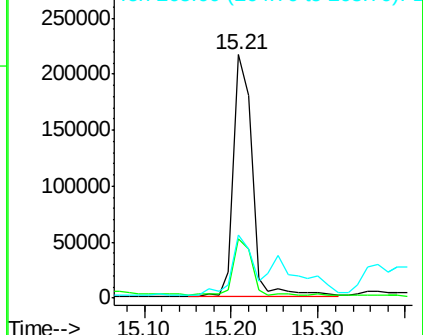
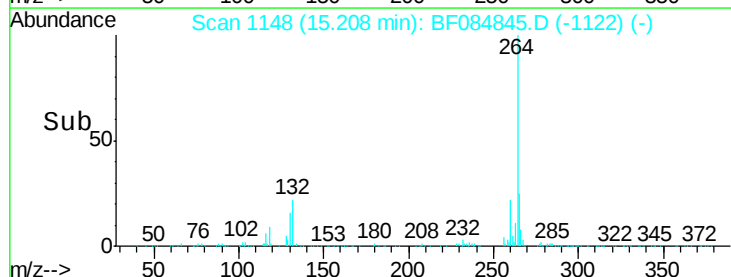
265 25.8 17.8 26.6

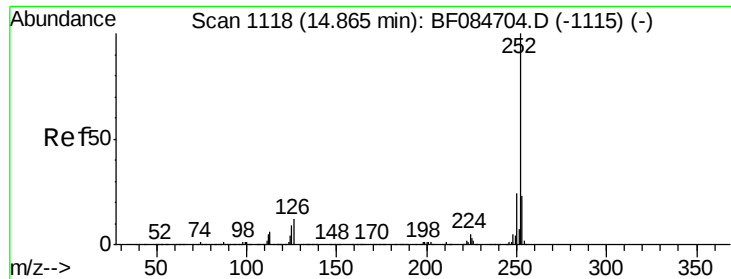


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

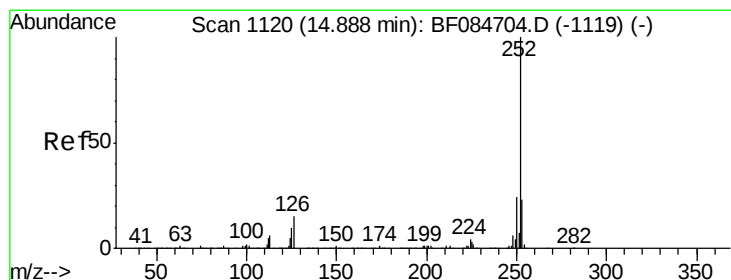
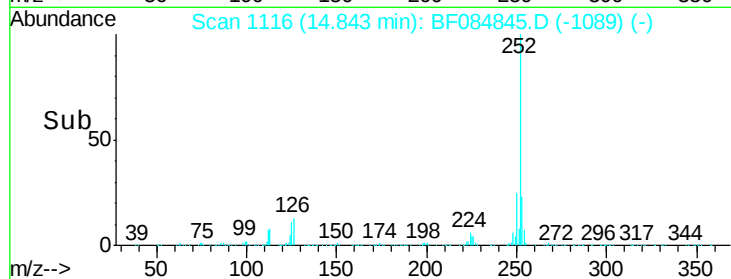
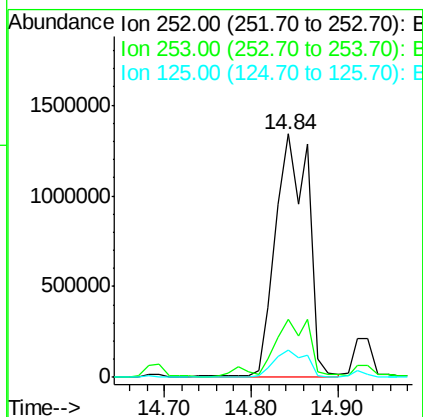
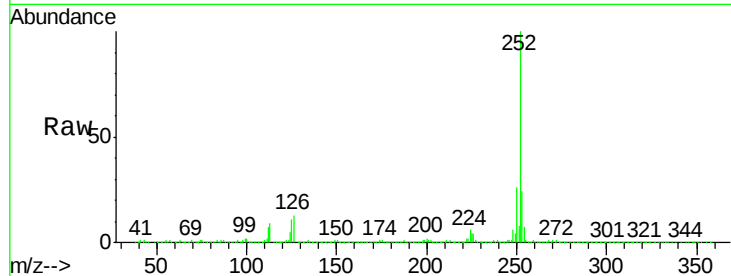




#87
Benzo(b)fluoranthene
Concen: 159.95 ng
RT: 14.84 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

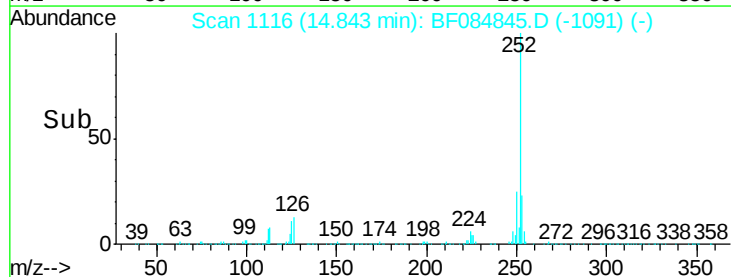
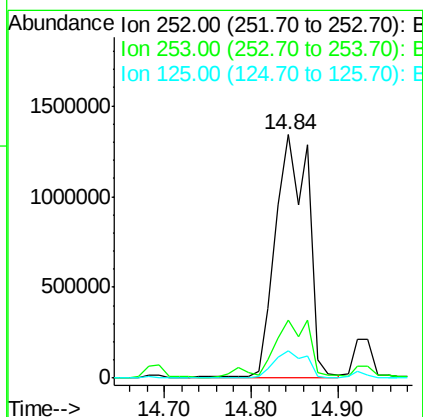
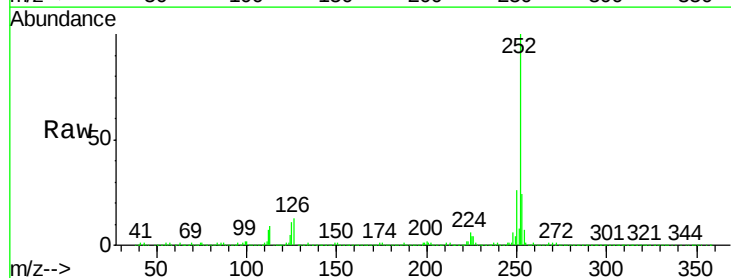
Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MS

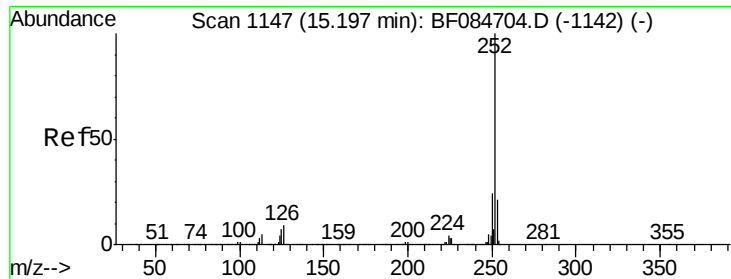
Tgt Ion:252 Resp: 3480654
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 11.1 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 193.45 ng
RT: 14.84 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF084845.D
Acq: 4 Feb 2016 23:00

Tgt Ion:252 Resp: 3480654
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 11.1 9.0 13.6





#89

Benzo(a)pyrene

Concen: 108.06 ng

RT: 15.17 min Scan# 1145

Delta R.T. 0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

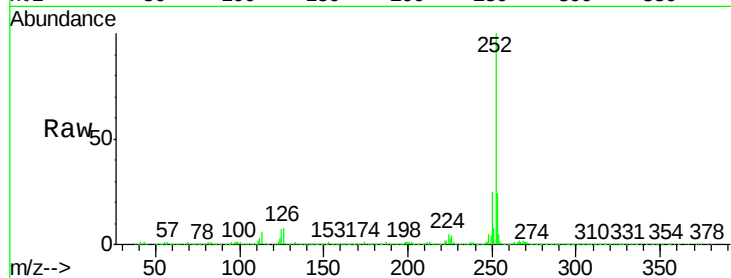
Tgt Ion:252 Resp: 2003558

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

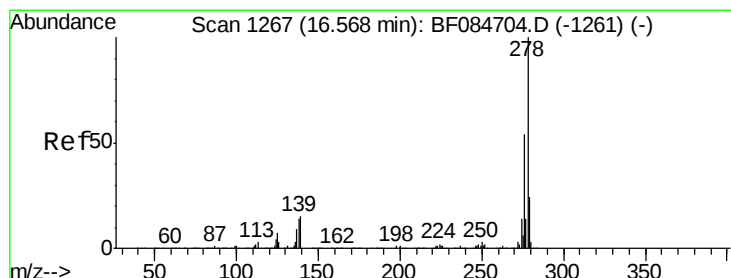
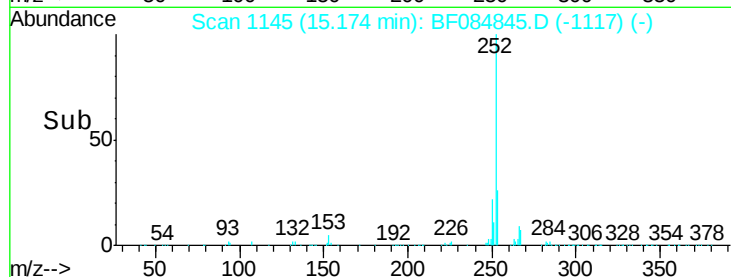
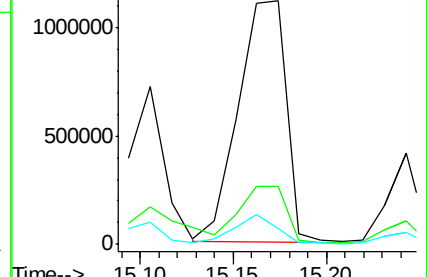
125 6.6 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 54.20 ng

RT: 16.52 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

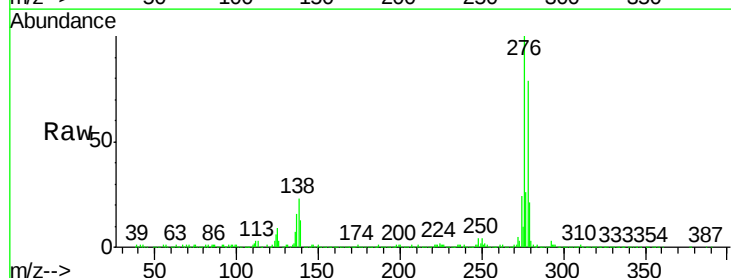
Tgt Ion:278 Resp: 845939

Ion Ratio Lower Upper

278 100

139 16.6 15.0 22.4

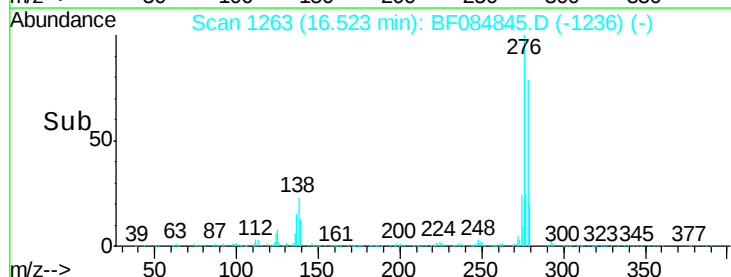
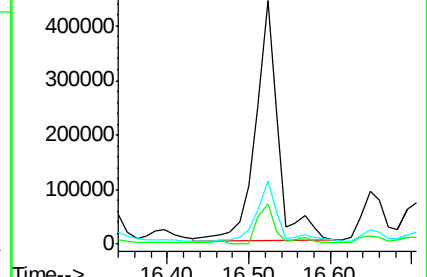
279 25.9 18.9 28.3

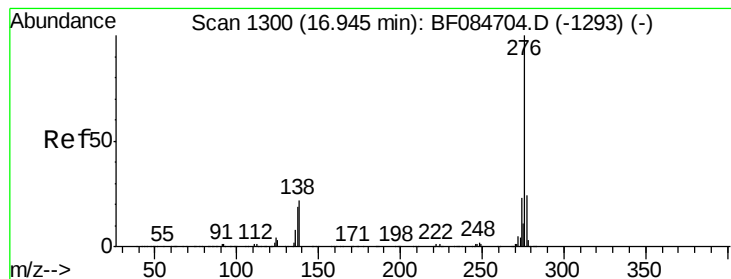


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 88.63 ng

RT: 16.91 min Scan# 1297

Delta R.T. 0.02 min

Lab File: BF084845.D

Acq: 4 Feb 2016 23:00

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MS

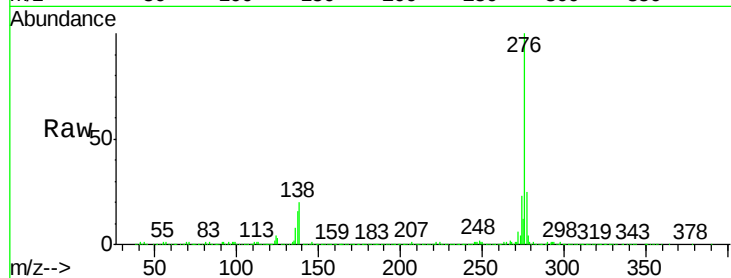
Tgt Ion:276 Resp: 1393476

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 20.3 17.8 26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

