

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050515\
 Data File : BF078935.D
 Acq On : 5 May 2015 11:33
 Operator : TP/IZ
 Sample : G2078-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 06 01:10:18 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 00:45:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	68965	20.00	ng	0.00
21) Naphthalene-d8	8.94	136	277431	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	134141	20.00	ng	0.00
63) Phenanthrene-d10	12.96	188	252608	20.00	ng	0.00
75) Chrysene-d12	16.26	240	271782	20.00	ng	-0.01
86) Perylene-d12	18.05	264	290401	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	499766	124.74	ng	0.01
7) Phenol-d6	6.91	99	672030	126.90	ng	0.01
23) Nitrobenzene-d5	8.04	82	375489	77.79	ng	0.00
41) 2,4,6-Tribromophenol	12.09	330	179338	123.58	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	736929	76.54	ng	-0.01
78) Terphenyl-d14	14.95	244	845428	74.47	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.92	93	16561	2.22	ng	# 1
8) 2-Chlorophenol	7.08	128	854333	188.01	ng	95
10) Phenol	6.92	94	847678	137.98	ng	100
11) bis(2-Chloroethyl)ether	7.08	93	18193	4.04	ng	# 1
12) 1,3-Dichlorobenzene	7.28	146	819909	160.53	ng	99
13) 1,4-Dichlorobenzene	7.38	146	411869	78.36	ng	99
15) Benzyl Alcohol	7.54	79	8274	2.10	ng	# 53
18) Hexachloroethane	7.98	117	121069	66.87	ng	# 80
20) 3+4-Methylphenols	7.86	107	176533	36.23	ng	# 40
25) Isophorone	8.38	82	1905733	212.95	ng	# 92
26) 2-Nitrophenol	8.47	139	258333	130.44	ng	94
27) 2,4-Dimethylphenol	8.47	122	16175	4.08	ng	# 9
30) 1,2,4-Trichlorobenzene	8.87	180	753811	194.73	ng	97
31) Naphthalene	8.96	128	1920007	145.24	ng	98
33) 4-Chloroaniline	8.96	127	253326	45.29	ng	# 29
36) 4-Chloro-3-methylphenol	9.62	107	596503	161.16	ng	97
37) 2-Methylnaphthalene	9.82	142	673059	73.47	ng	99
42) 2,4,6-Trichlorophenol	10.17	196	232197	89.40	ng	98
43) 2,4,5-Trichlorophenol	10.20	196	377407	143.73	ng	97
48) Acenaphthylene	10.94	152	1148075	84.06	ng	100
51) Acenaphthene	11.15	154	1319225	161.98	ng	98
57) Fluorene	11.79	166	674085	69.81	ng	100
59) Diethylphthalate	11.67	149	1287811	132.04	ng	97
60) 4-Chlorophenyl-phenylether	11.81	204	749796	175.04	ng	99
61) 4-Nitroaniline	11.79	138	11552	4.76	ng	# 39
66) 4-Bromophenyl-phenylether	12.41	248	401385	152.44	ng	96
69) Pentachlorophenol	12.72	266	163343	91.68	ng	98
70) Phenanthrene	12.98	178	519762	36.78	ng	99
71) Anthracene	13.05	178	1926717	138.97	ng	97
73) Di-n-butylphthalate	13.70	149	1155196	72.90	ng	# 98
74) Fluoranthene	14.47	202	1542338	104.74	ng	98
77) Pyrene	14.74	202	1268328	80.98	ng	98
79) Butylbenzylphthalate	15.58	149	1090104	159.23	ng	# 84
80) Benzo(a)anthracene	16.25	228	1309608	87.99	ng	99

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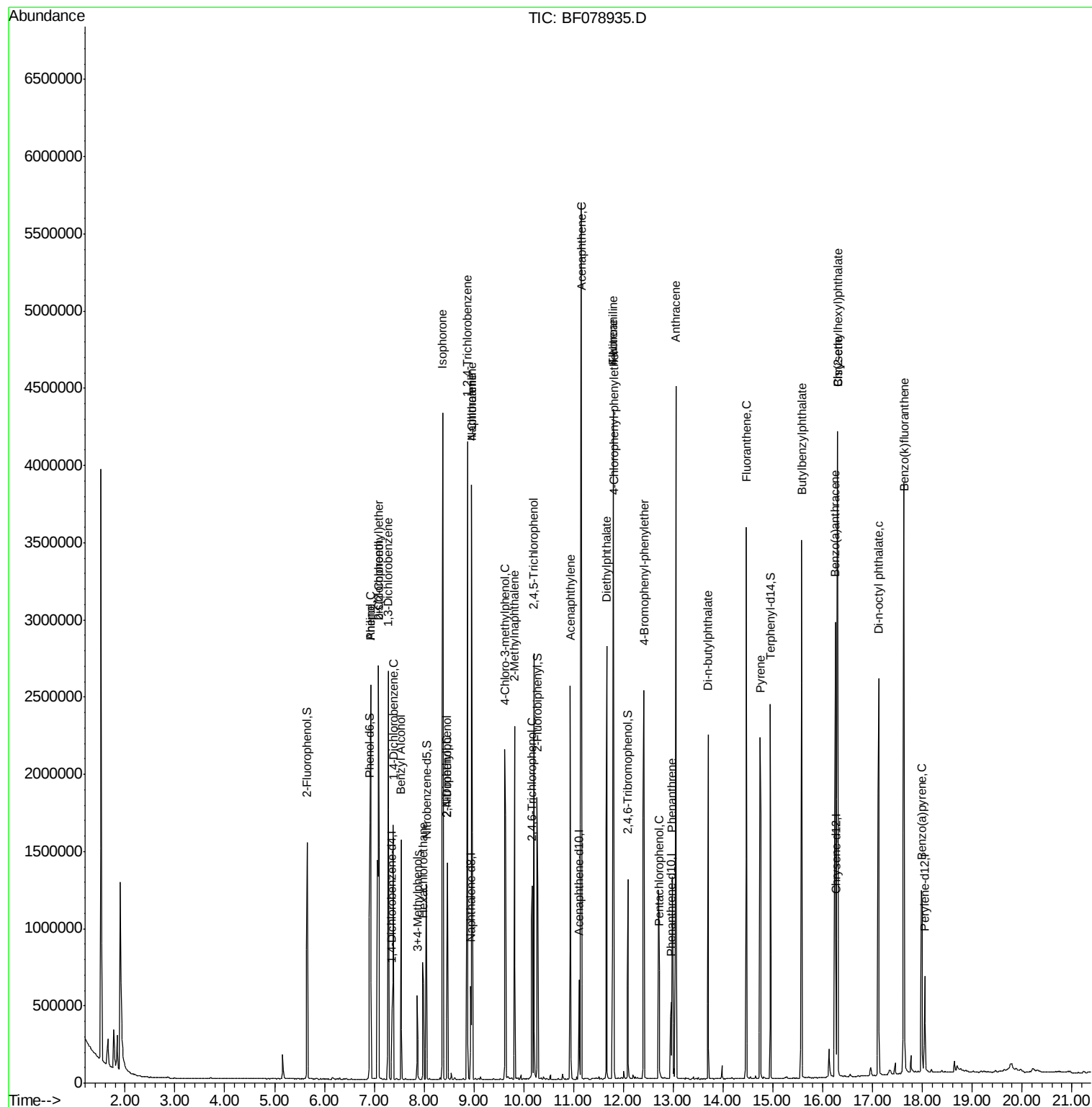
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	16.30	228	577883	40.37	ng	99
83) Bis(2-ethylhexyl)phthalate	16.30	149	986769	95.16	ng #	98
84) Di-n-octyl phthalate	17.12	149	1677606	91.86	ng #	100
88) Benzo(k)fluoranthene	17.63	252	2563530	166.59	ng #	95
89) Benzo(a)pyrene	17.99	252	724366	49.49	ng	99

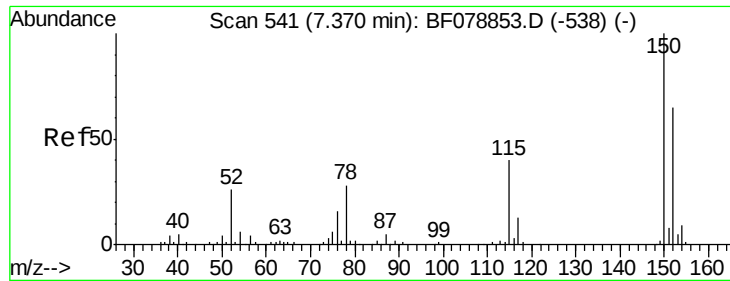
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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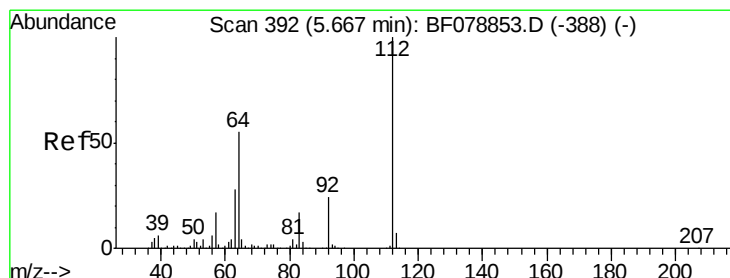
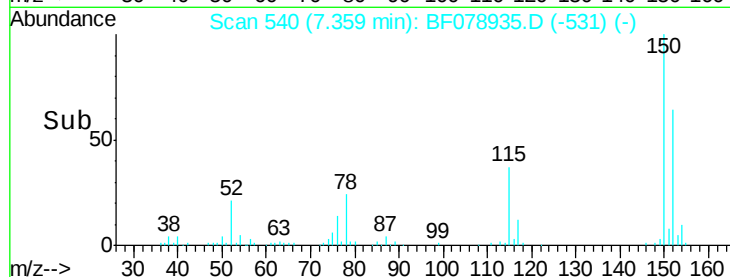
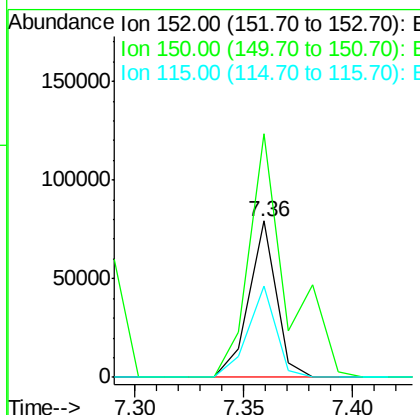
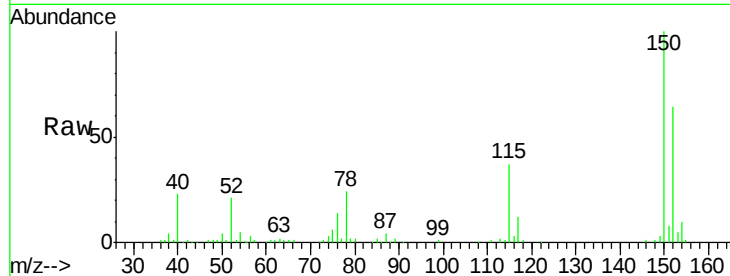




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.36 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

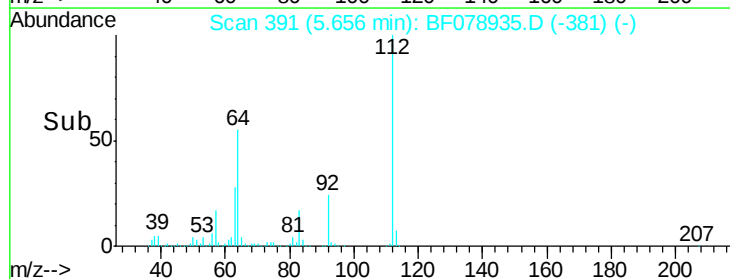
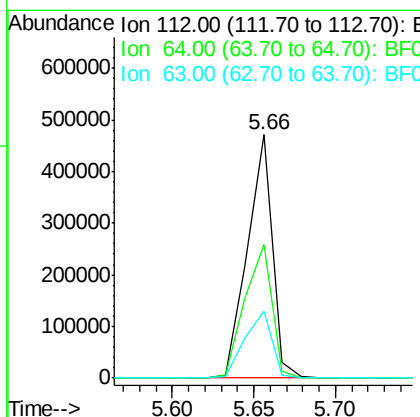
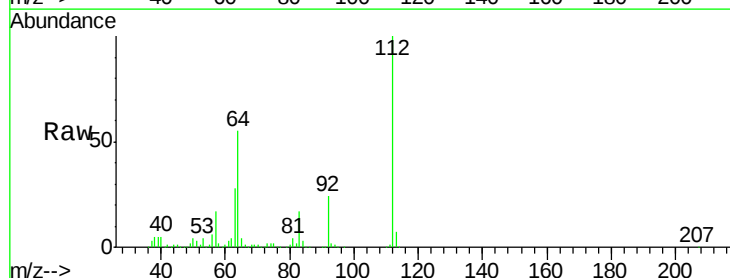
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

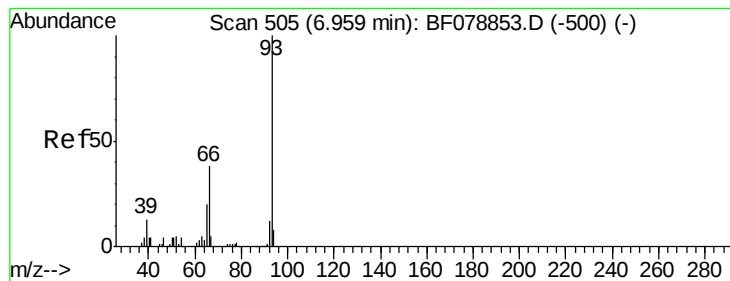
Tgt Ion:152 Resp: 68965
 Ion Ratio Lower Upper
 152 100
 150 156.0 122.0 183.0
 115 58.3 46.3 69.5



#5
 2-Fluorophenol
 Concen: 124.74 ng
 RT: 5.66 min Scan# 391
 Delta R.T. 0.01 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:112 Resp: 499766
 Ion Ratio Lower Upper
 112 100
 64 54.8 53.5 80.3
 63 27.7 27.5 41.3





#6

Aniline

Concen: 2.22 ng

RT: 6.92 min Scan# 502

Delta R.T. -0.02 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

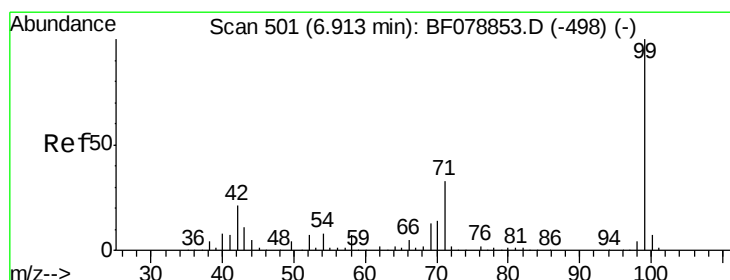
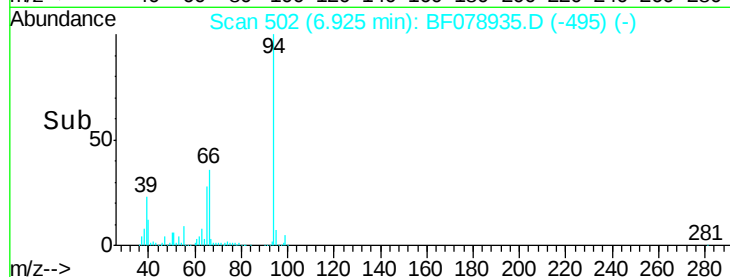
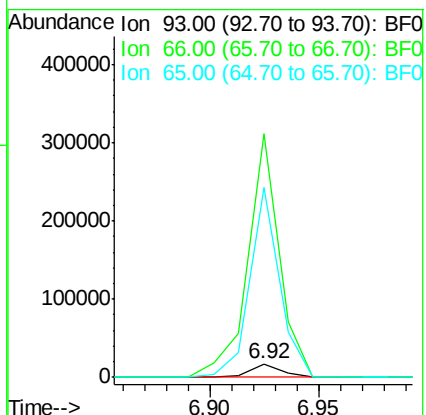
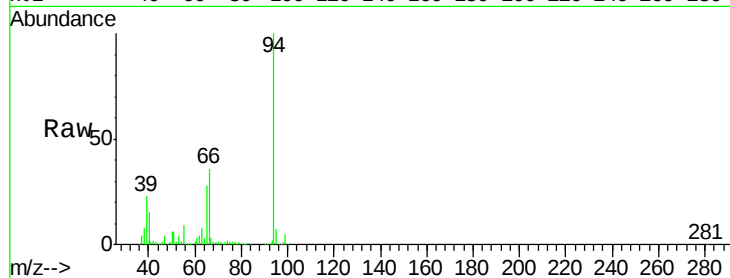
Tgt Ion: 93 Resp: 16561

Ion Ratio Lower Upper

93 100

66 1832.8 29.7 44.5#

65 1425.2 14.6 22.0#



#7

Phenol-d6

Concen: 126.90 ng

RT: 6.91 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

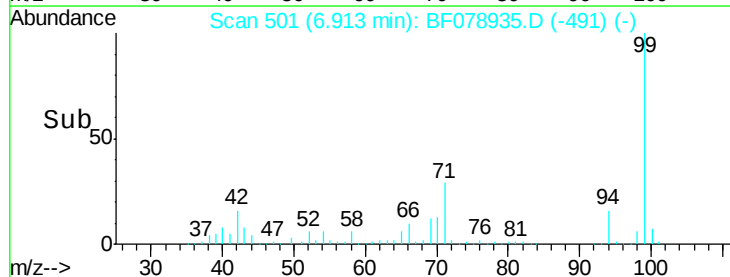
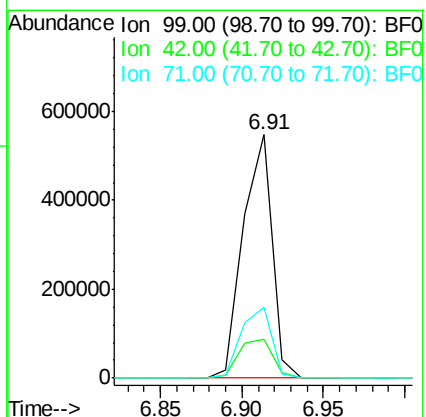
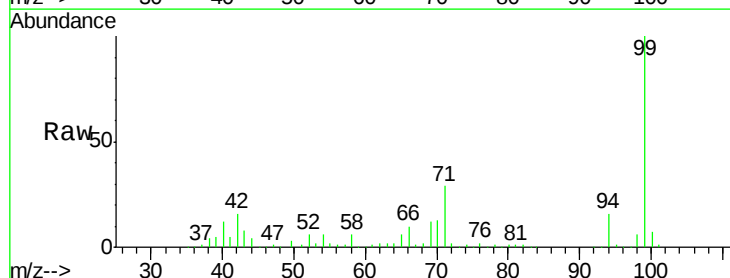
Tgt Ion: 99 Resp: 672030

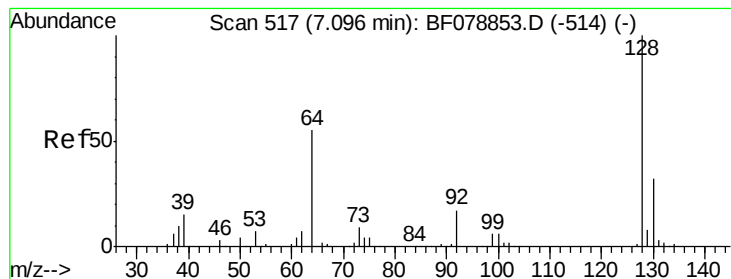
Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

71 29.0 23.4 35.2





#8

2-Chlorophenol

Concen: 188.01 ng

RT: 7.08 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

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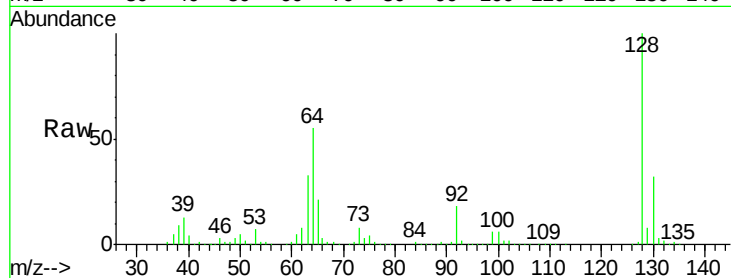
Tgt Ion:128 Resp: 854333

Ion Ratio Lower Upper

128 100

130 32.3 12.1 52.1

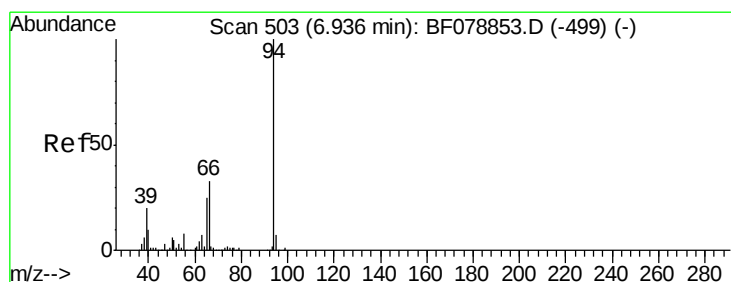
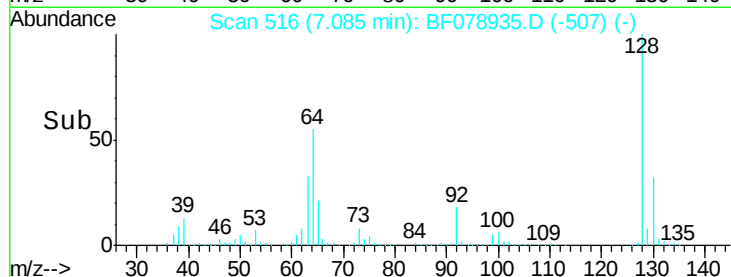
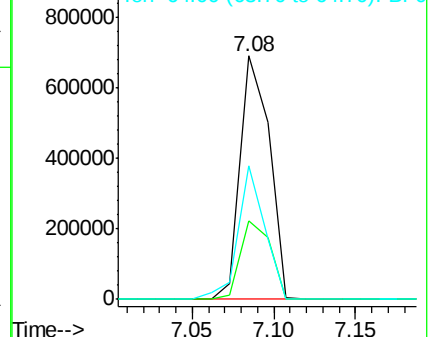
64 54.7 29.6 69.6



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



#10

Phenol

Concen: 137.98 ng

RT: 6.92 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

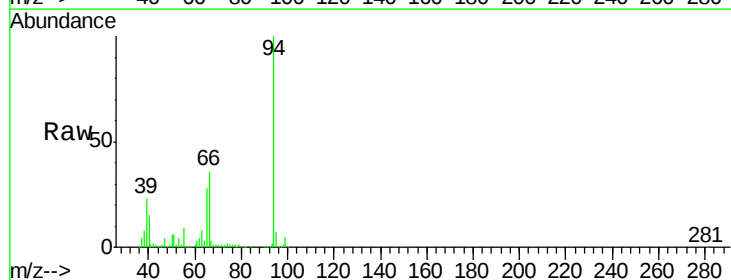
Tgt Ion: 94 Resp: 847678

Ion Ratio Lower Upper

94 100

65 28.1 8.5 48.5

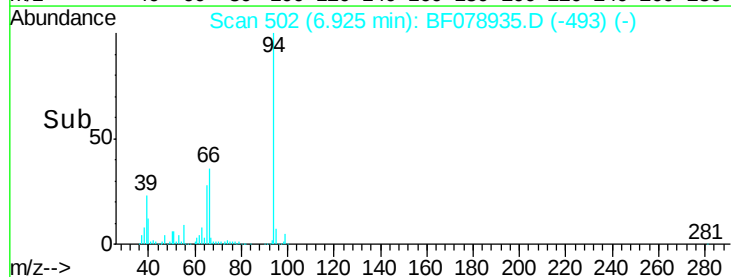
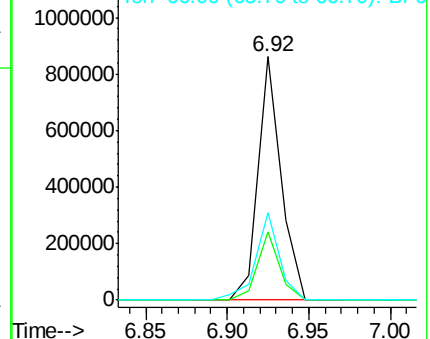
66 36.1 16.0 56.0

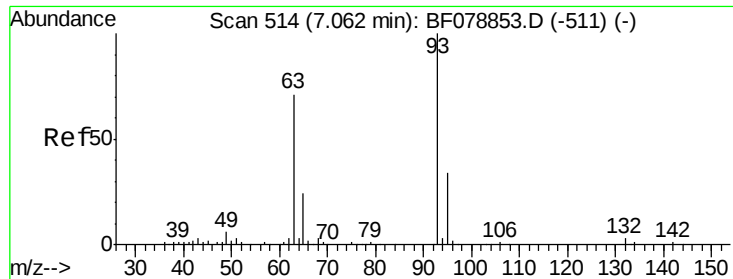


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

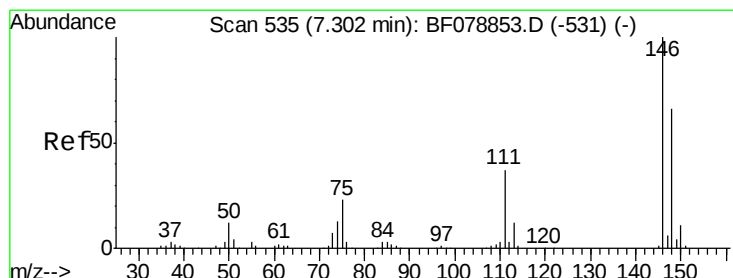
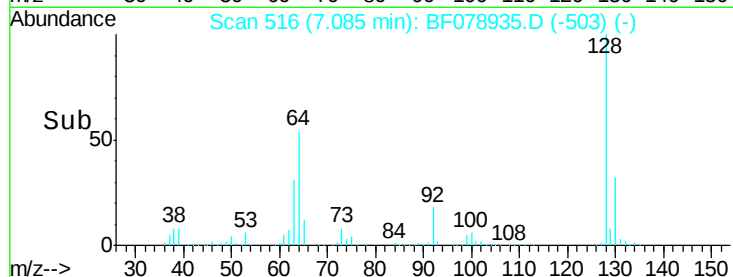
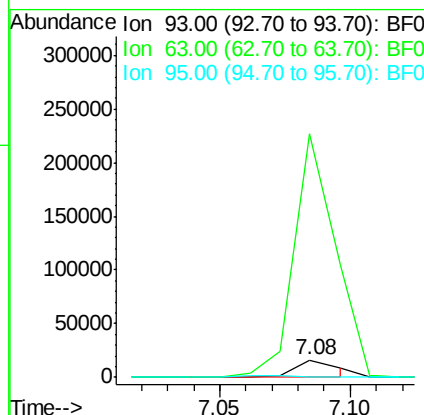
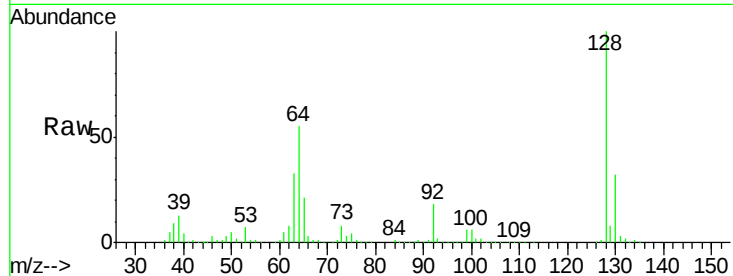




#11
 bis(2-Chloroethyl)ether
 Concen: 4.04 ng
 RT: 7.08 min Scan# 516
 Delta R.T. 0.05 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

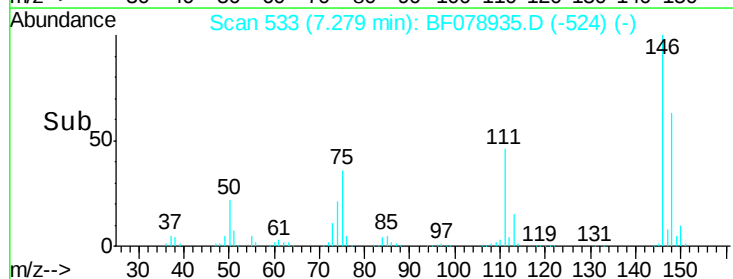
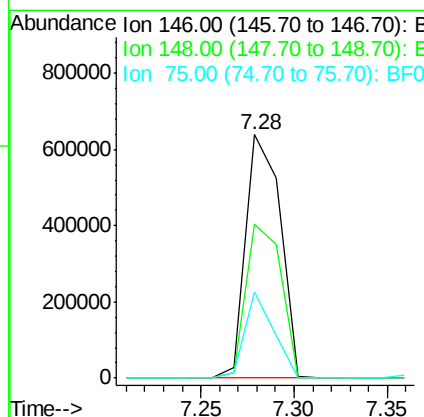
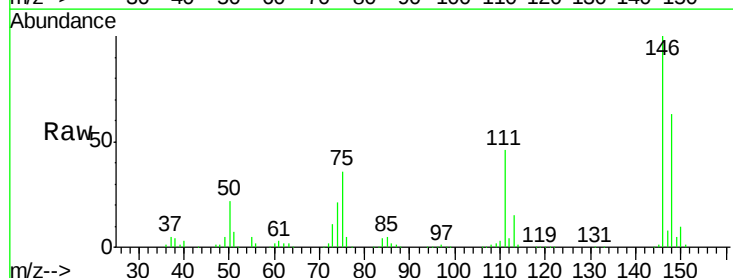
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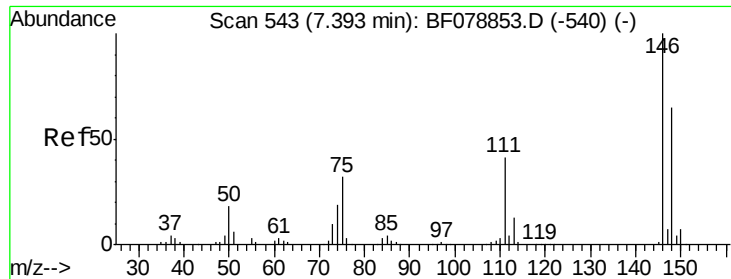
Tgt Ion: 93 Resp: 18193
 Ion Ratio Lower Upper
 93 100
 63 1430.5 64.8 104.8#
 95 6.1 12.4 52.4#



#12
 1,3-Dichlorobenzene
 Concen: 160.53 ng
 RT: 7.28 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion: 146 Resp: 819909
 Ion Ratio Lower Upper
 146 100
 148 63.2 50.2 75.2
 75 35.5 29.2 43.8

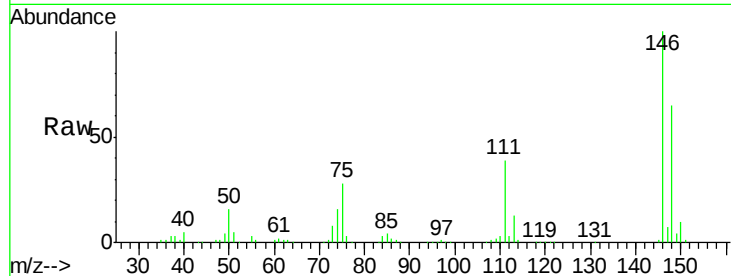




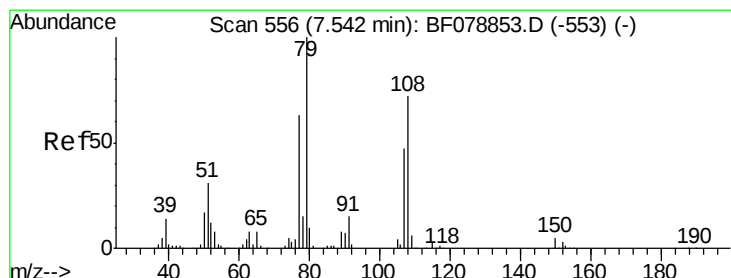
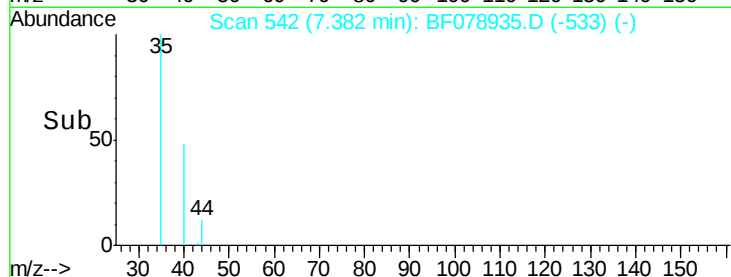
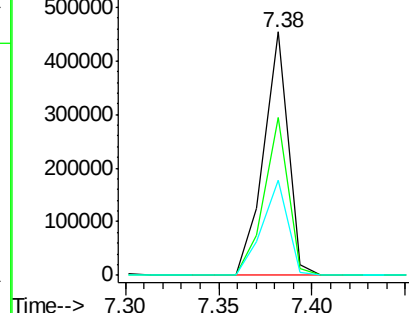
#13
 1,4-Dichlorobenzene
 Concen: 78.36 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:146 Resp: 411869
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.8 79.2
 111 39.3 31.7 47.5

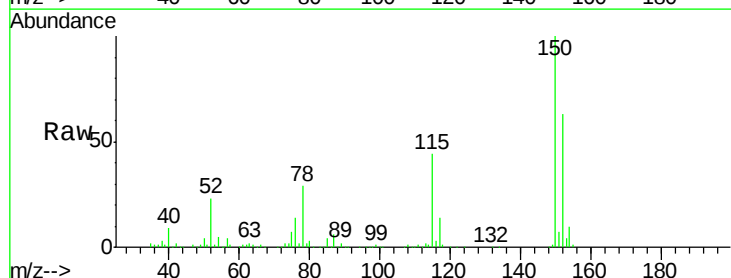


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

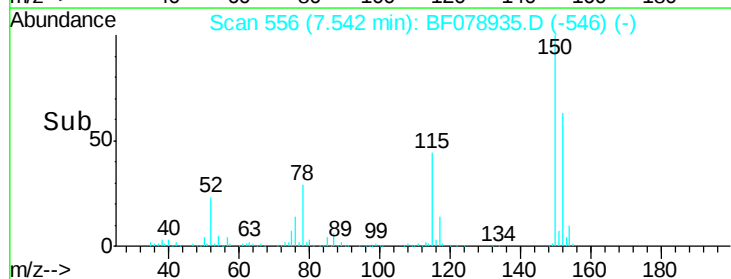
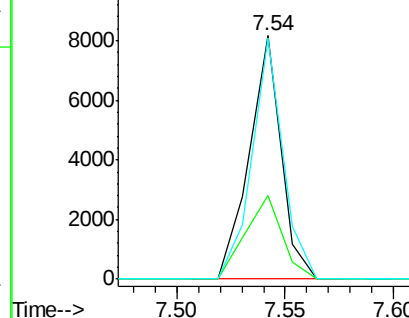


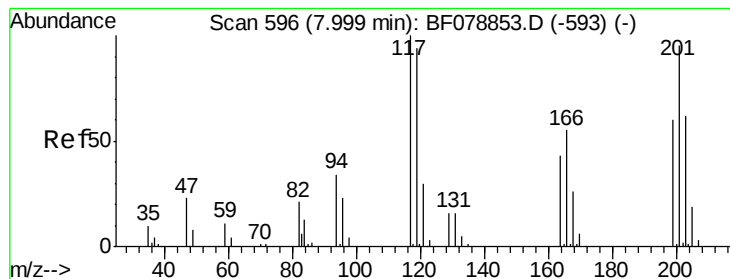
#15
 Benzyl Alcohol
 Concen: 2.10 ng
 RT: 7.54 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion: 79 Resp: 8274
 Ion Ratio Lower Upper
 79 100
 108 34.3 62.5 93.7#
 77 98.8 52.2 78.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 66.87 ng

RT: 7.98 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

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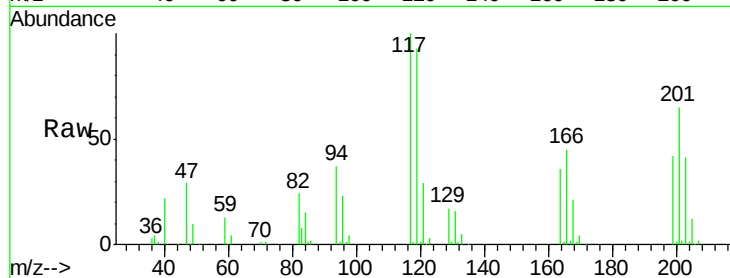
Tgt Ion:117 Resp: 121069

Ion Ratio Lower Upper

117 100

119 93.2 75.4 113.0

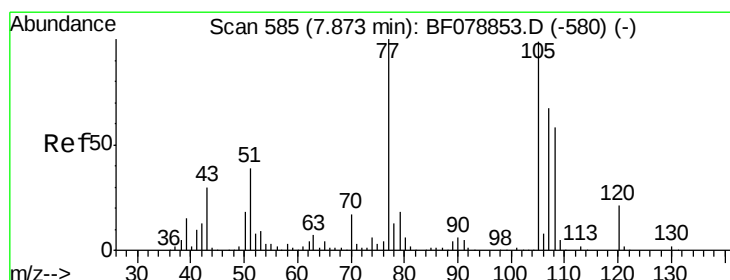
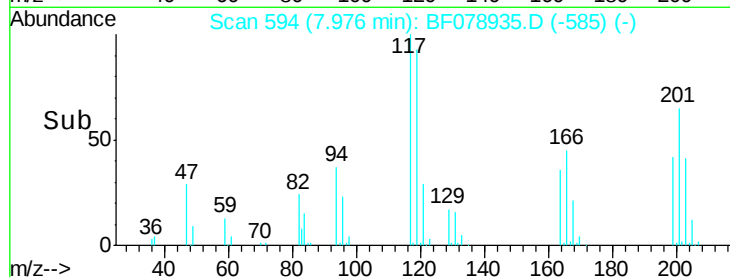
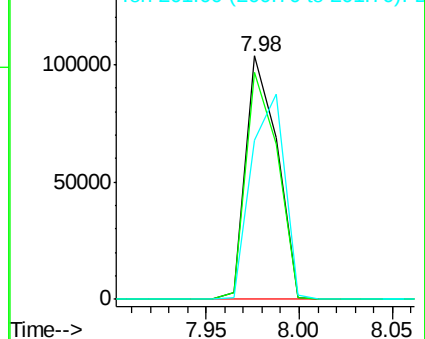
201 65.3 83.2 124.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#20

3+4-Methylphenols

Concen: 36.23 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Tgt Ion:107 Resp: 176533

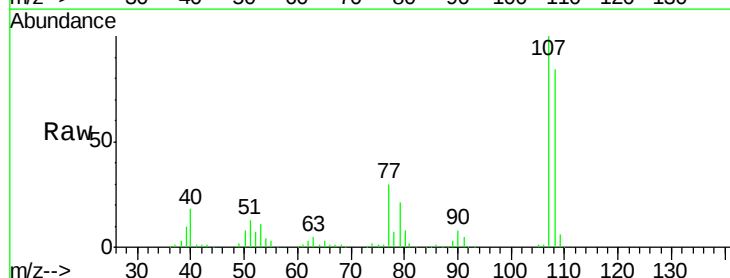
Ion Ratio Lower Upper

107 100

108 83.7 76.9 116.9

77 29.8 136.8 176.8#

79 21.2 9.7 49.7

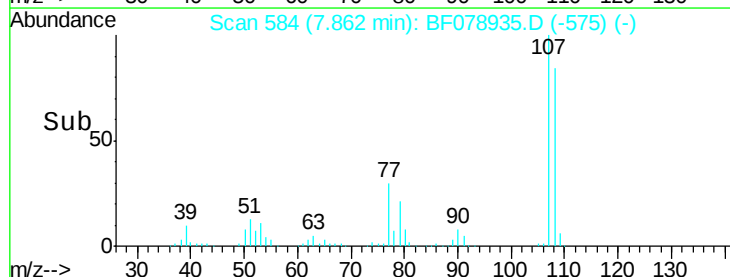
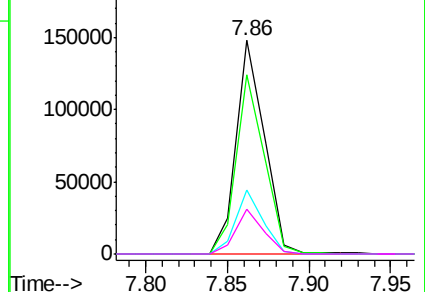


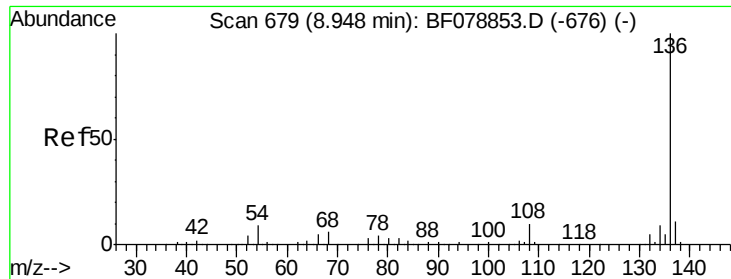
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

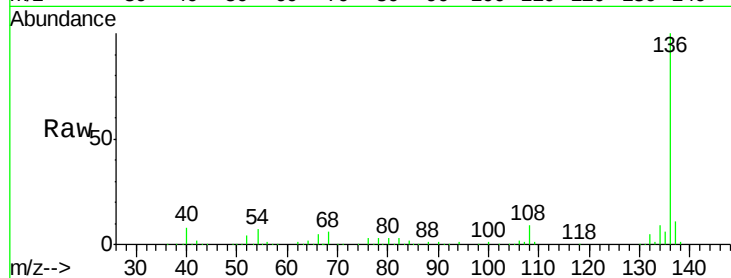




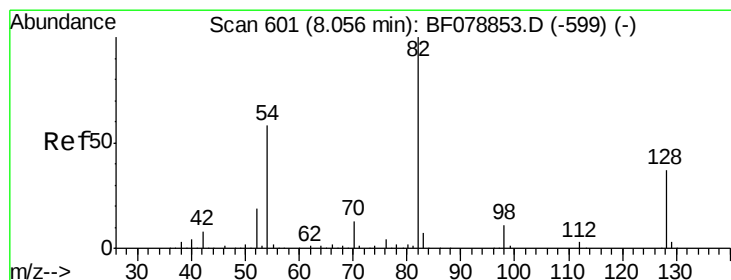
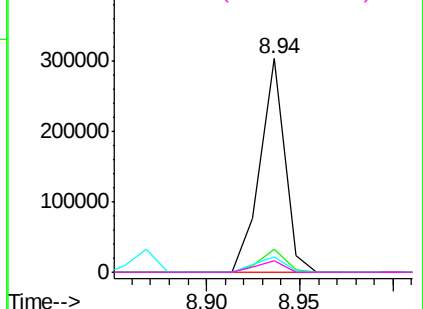
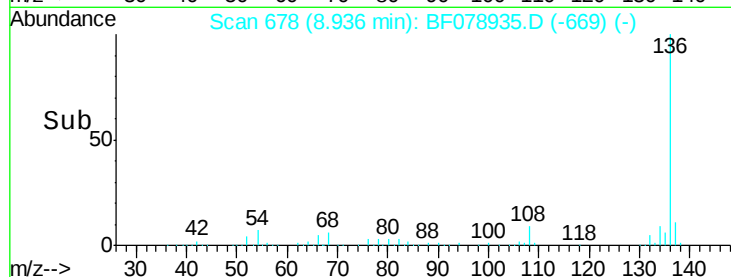
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.94 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:	136	Resp:	277431
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.2	5.8	8.8
68	5.5	4.2	6.4

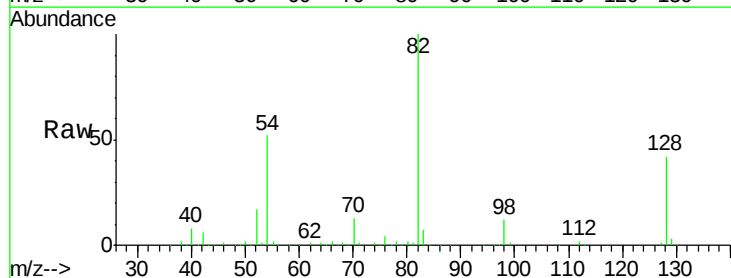


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

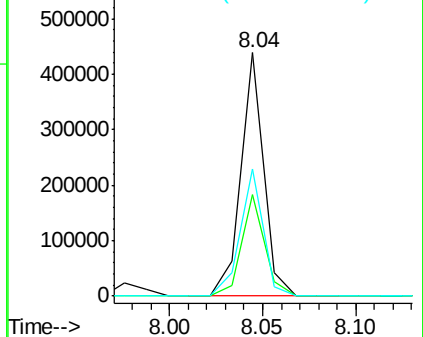
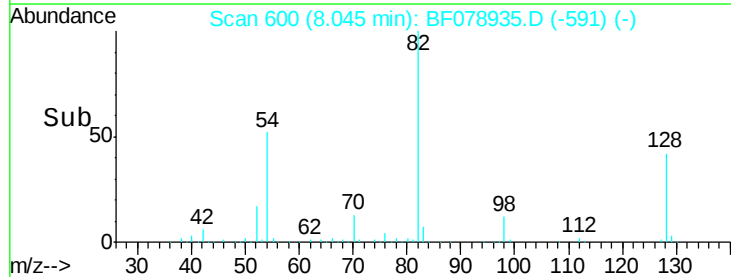


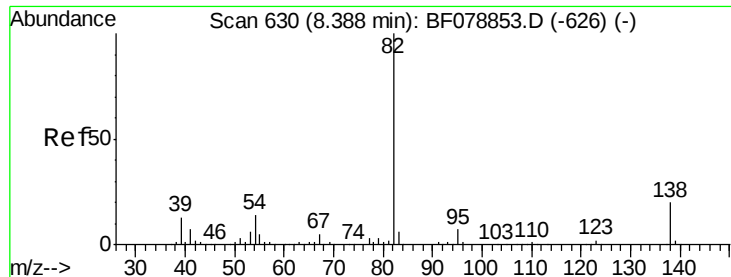
#23
Nitrobenzene-d5
Concen: 77.79 ng
RT: 8.04 min Scan# 600
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion:	82	Resp:	375489
Ion	Ratio	Lower	Upper
82	100		
128	41.9	30.0	45.0
54	52.3	46.4	69.6



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





#25

Isophorone

Concen: 212.95 ng

RT: 8.38 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

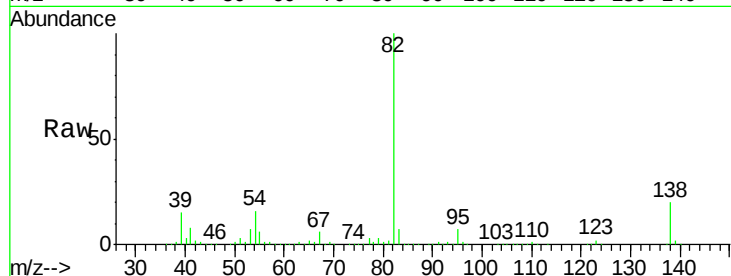
Tgt Ion: 82 Resp: 1905733

Ion Ratio Lower Upper

82 100

95 7.2 5.3 7.9

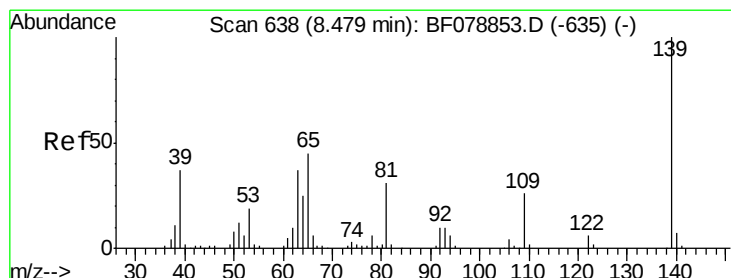
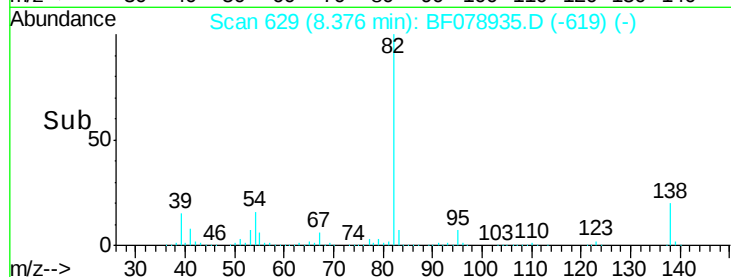
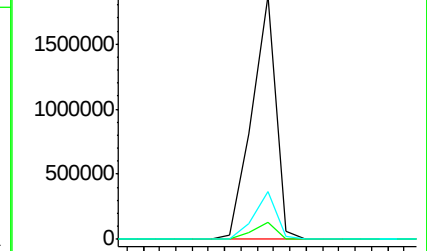
138 19.6 12.0 18.0#



Abundance Ion 82.00 (81.70 to 82.70): BF078853.D (-626) (-)

Ion 95.00 (94.70 to 95.70): BF078853.D (-626) (-)

Ion 138.00 (137.70 to 138.70): BF078853.D (-626) (-)



#26

2-Nitrophenol

Concen: 130.44 ng

RT: 8.47 min Scan# 637

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

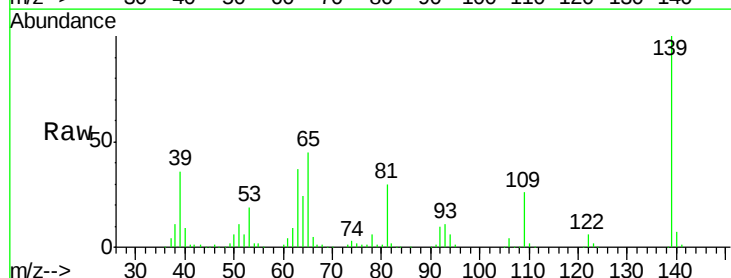
Tgt Ion: 139 Resp: 258333

Ion Ratio Lower Upper

139 100

109 26.3 21.0 31.4

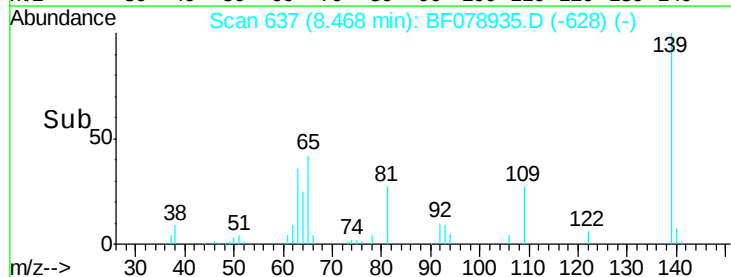
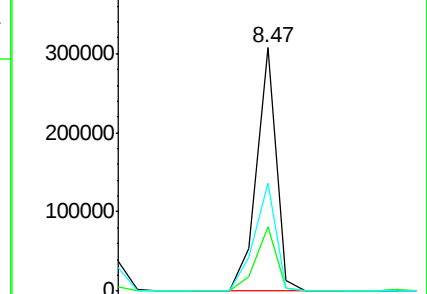
65 44.5 30.5 45.7

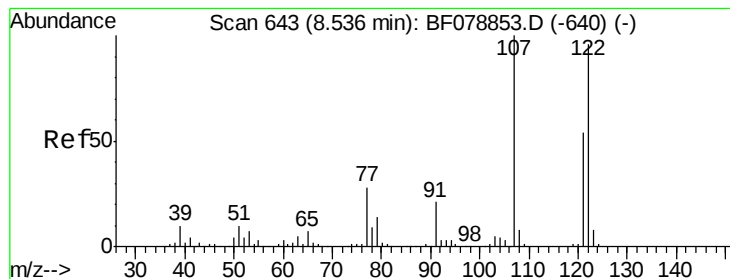


Abundance Ion 139.00 (138.70 to 139.70): BF078853.D (-635) (-)

Ion 109.00 (108.70 to 109.70): BF078853.D (-635) (-)

Ion 65.00 (64.70 to 65.70): BF078853.D (-635) (-)

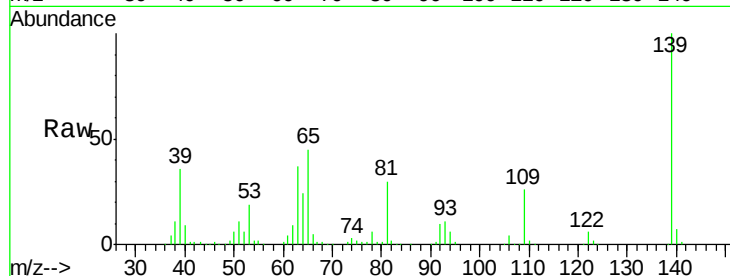




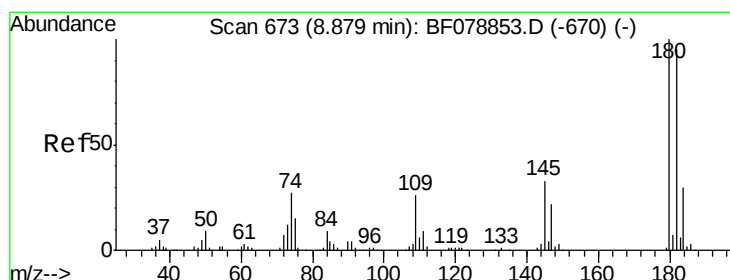
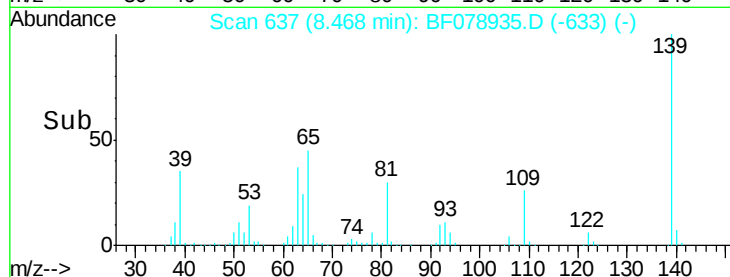
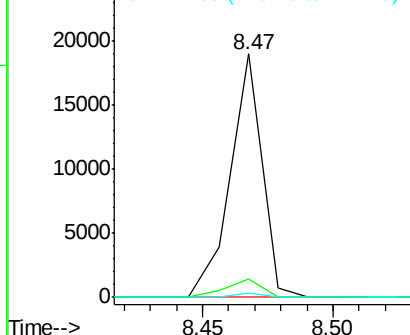
#27
 2,4-Dimethylphenol
 Concen: 4.08 ng
 RT: 8.47 min Scan# 637
 Delta R.T. -0.06 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:122 Resp: 16175
 Ion Ratio Lower Upper
 122 100
 107 7.6 90.6 135.8#
 121 1.7 45.4 68.2#

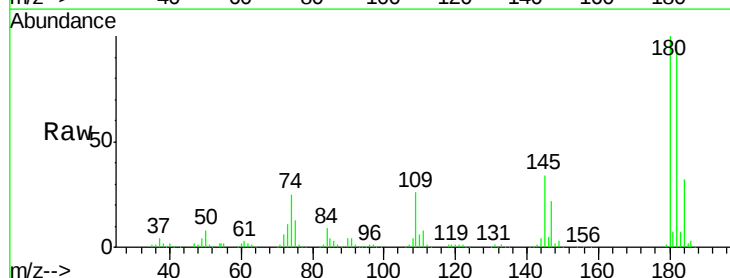


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

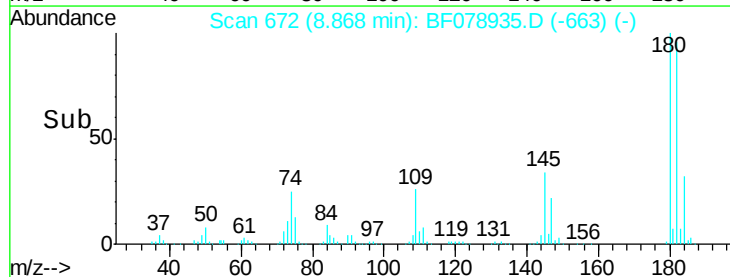
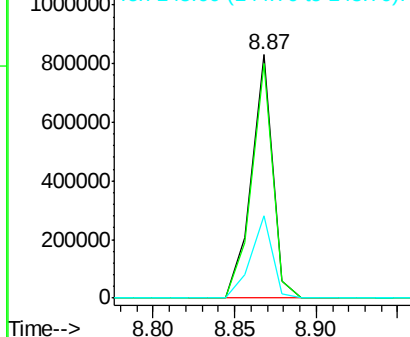


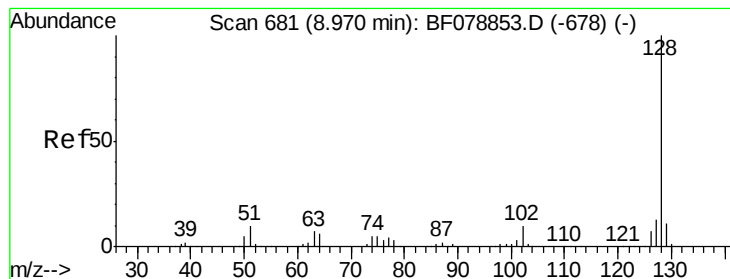
#30
 1,2,4-Trichlorobenzene
 Concen: 194.73 ng
 RT: 8.87 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:180 Resp: 753811
 Ion Ratio Lower Upper
 180 100
 182 96.3 78.9 118.3
 145 33.9 24.2 36.4



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: 145.24 ng

RT: 8.96 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

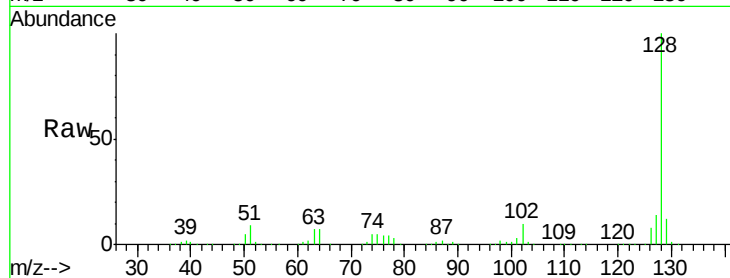
Tgt Ion:128 Resp: 1920007

Ion Ratio Lower Upper

128 100

129 12.5 9.3 13.9

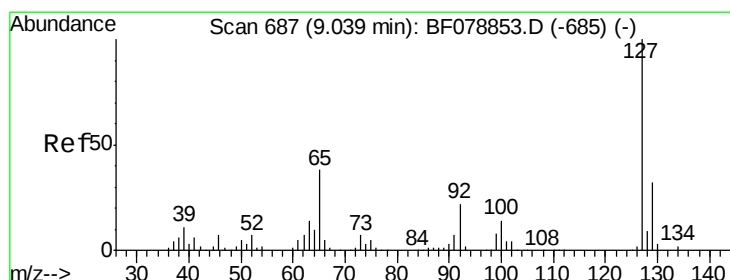
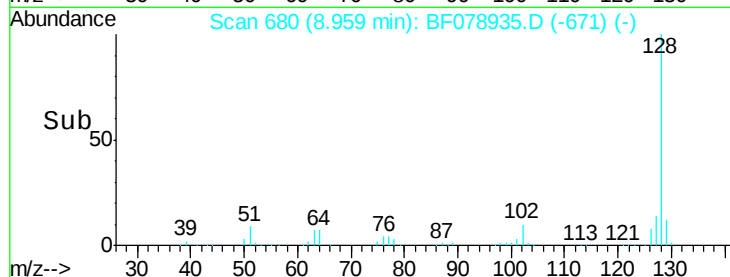
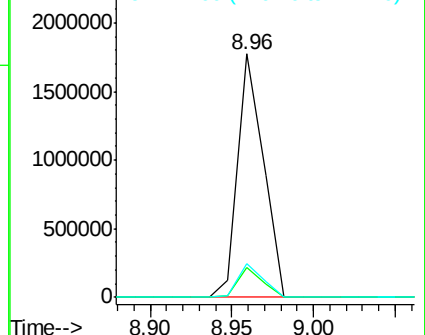
127 14.1 10.7 16.1



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



#33

4-Chloroaniline

Concen: 45.29 ng

RT: 8.96 min Scan# 680

Delta R.T. -0.07 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Tgt Ion:127 Resp: 253326

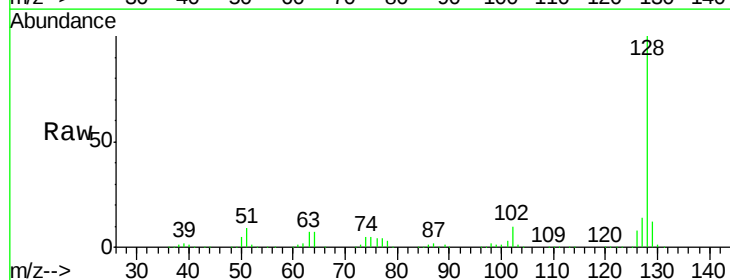
Ion Ratio Lower Upper

127 100

129 88.6 25.8 38.8#

65 0.0 25.8 38.6#

92 0.0 15.5 23.3#

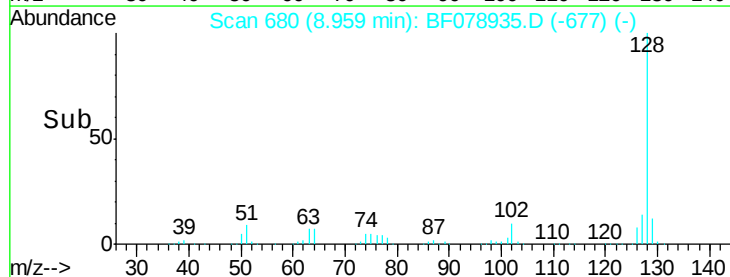
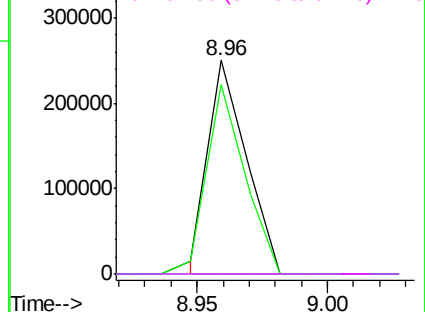


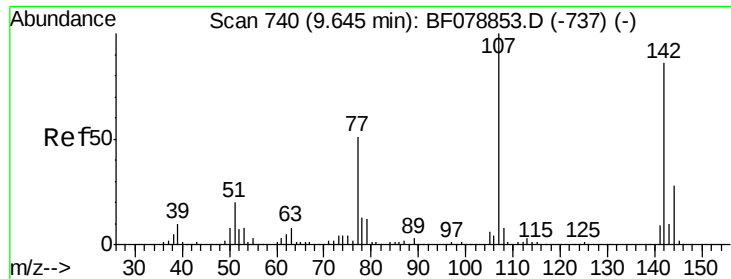
Abundance Ion 127.00 (126.70 to 127.70): E

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

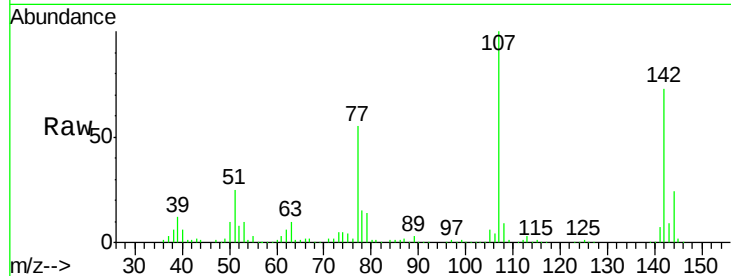




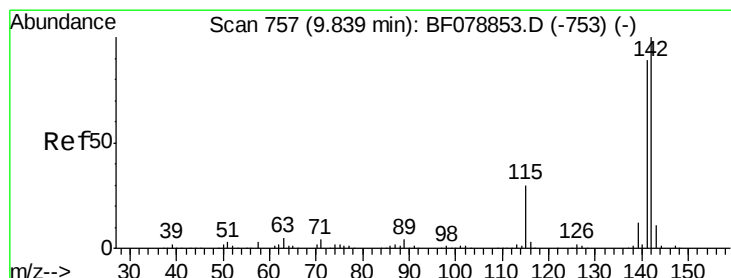
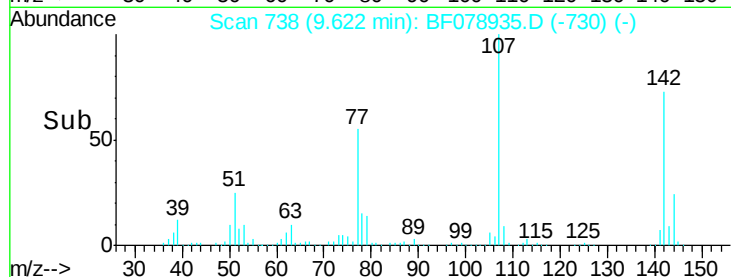
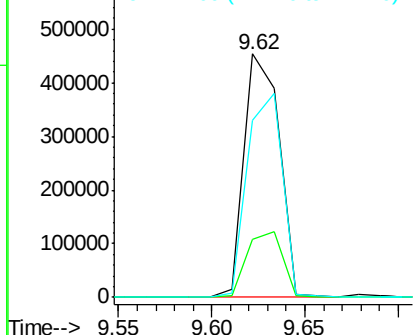
#36
 4-Chloro-3-methylphenol
 Concen: 161.16 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:107 Resp: 596503
 Ion Ratio Lower Upper
 107 100
 144 24.0 19.8 29.6
 142 72.7 60.6 91.0

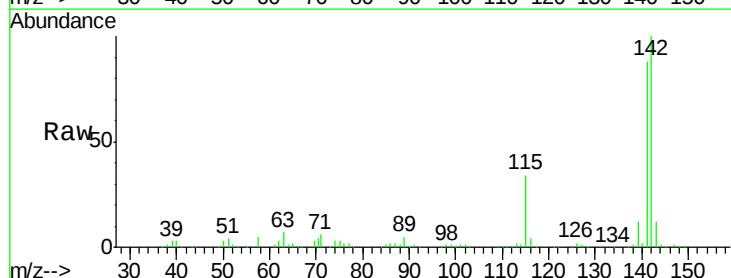


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

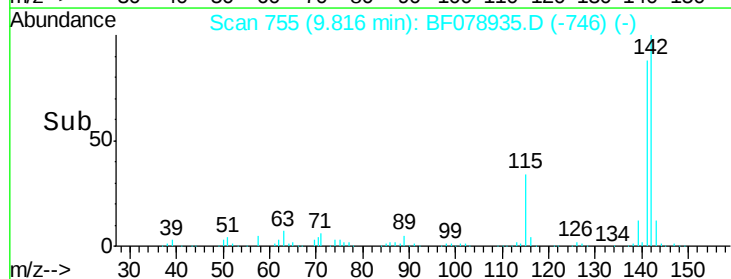
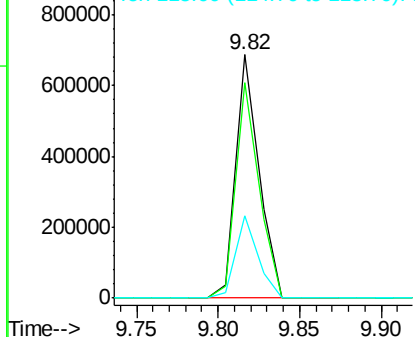


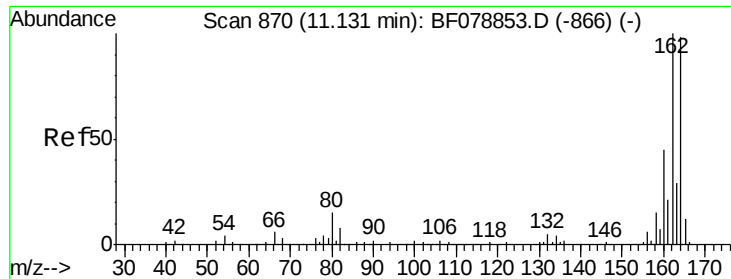
#37
 2-Methylnaphthalene
 Concen: 73.47 ng
 RT: 9.82 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:142 Resp: 673059
 Ion Ratio Lower Upper
 142 100
 141 88.3 70.9 106.3
 115 33.6 28.5 42.7



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

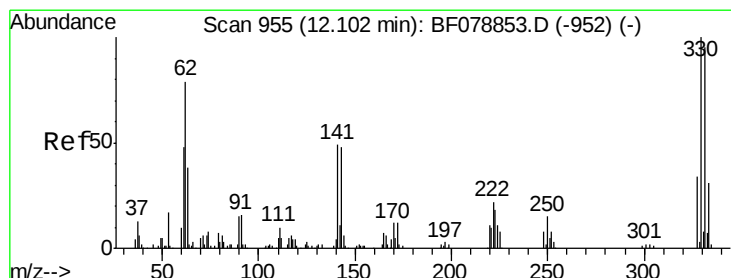
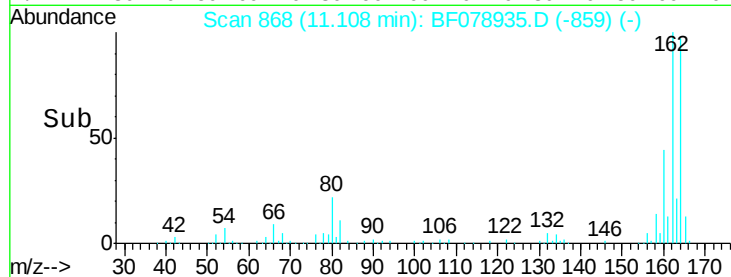
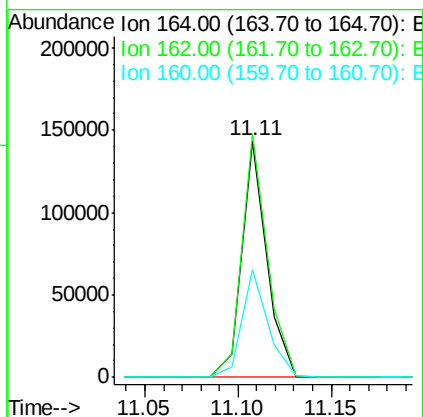
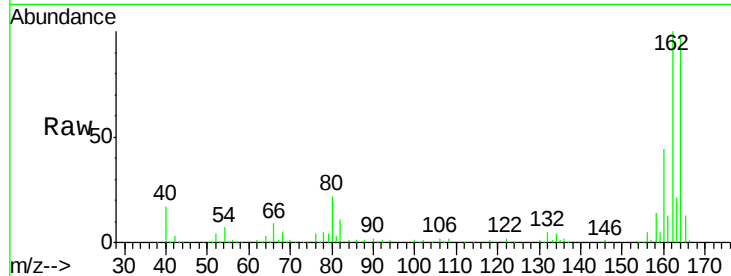




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

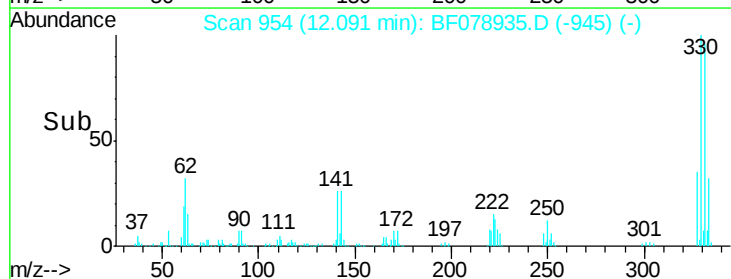
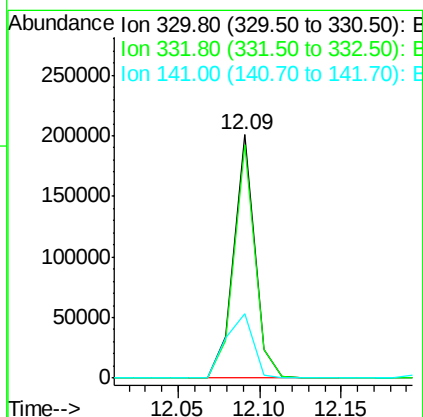
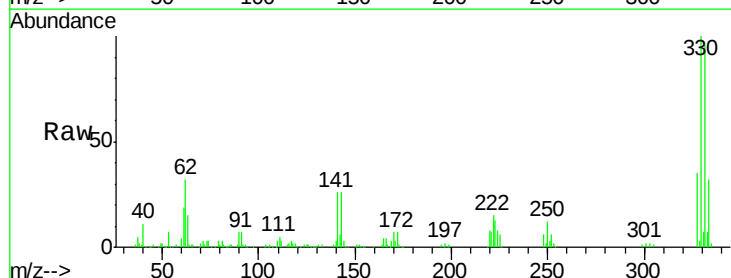
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

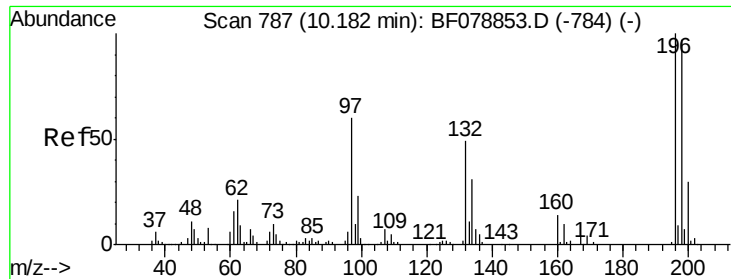
Tgt Ion:164 Resp: 134141
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.7 124.1
 160 45.6 35.8 53.8



#41
 2,4,6-Tribromophenol
 Concen: 123.58 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:330 Resp: 179338
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 34.3 0.0 0.0#

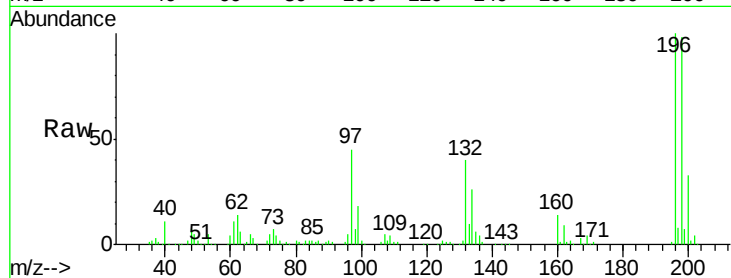




#42
 2,4,6-Trichlorophenol
 Concen: 89.40 ng
 RT: 10.17 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Instrument :
 BNA_F
 ClientSampled :
 PT-BNA-SOIL

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.5	80.5	120.7
200	33.0	24.9	37.3

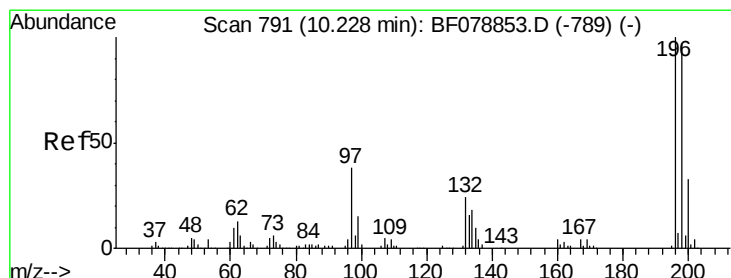
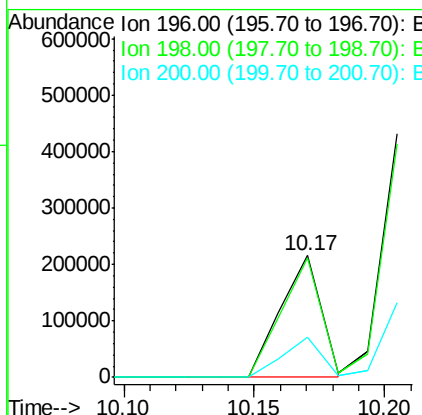
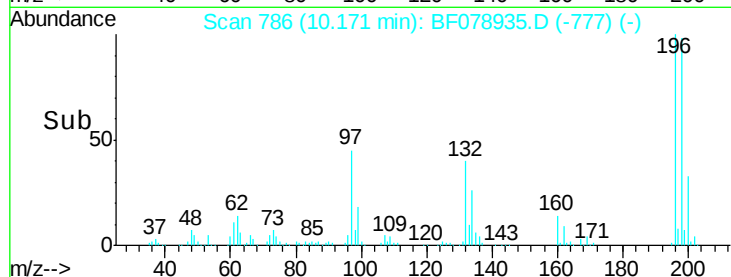


Abundance

Ion 196.00 (195.70 to 196.70): E

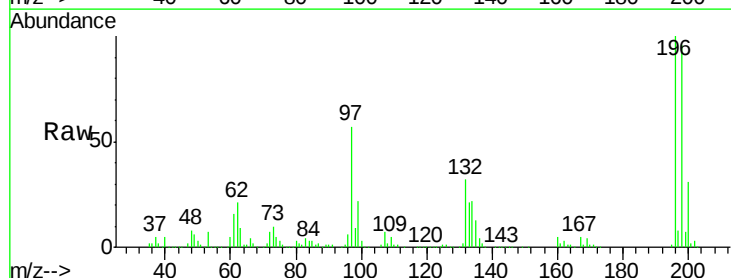
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43
 2,4,5-Trichlorophenol
 Concen: 143.73 ng
 RT: 10.20 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.8	79.8	119.6
97	56.6	46.0	69.0
132	32.5	26.6	40.0



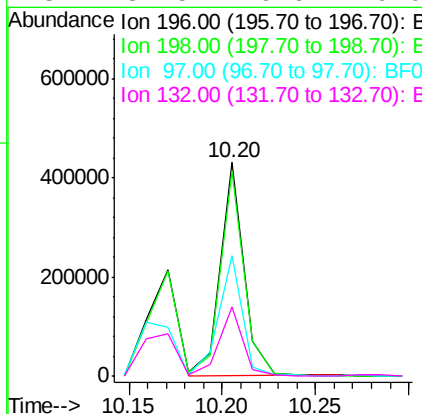
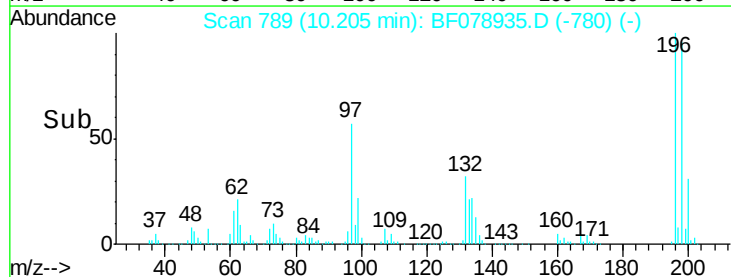
Abundance

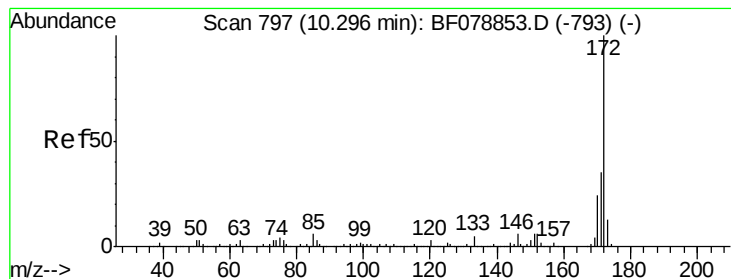
Ion 196.00 (195.70 to 196.70): E

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: 76.54 ng

RT: 10.27 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

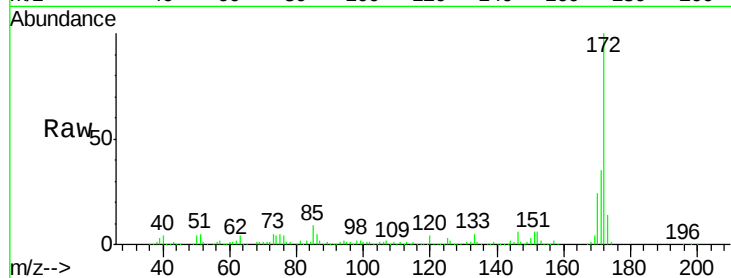
Tgt Ion:172 Resp: 736929

Ion Ratio Lower Upper

172 100

171 35.5 27.9 41.9

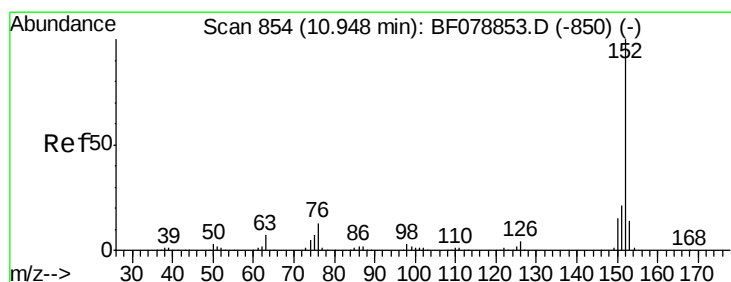
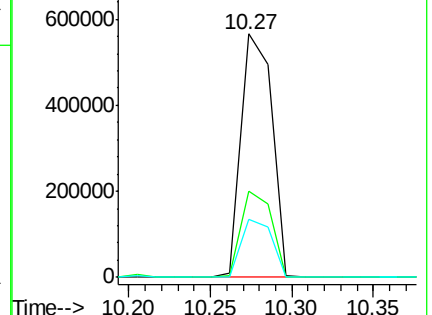
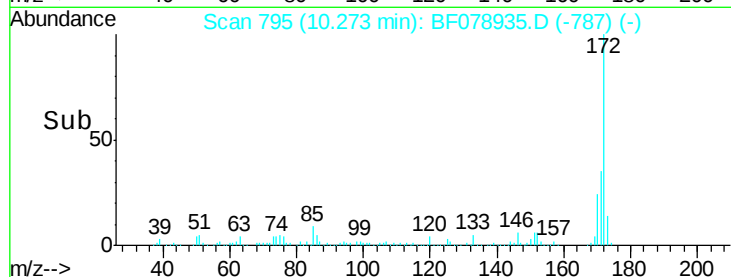
170 23.8 19.4 29.0



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



#48

Acenaphthylene

Concen: 84.06 ng

RT: 10.94 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

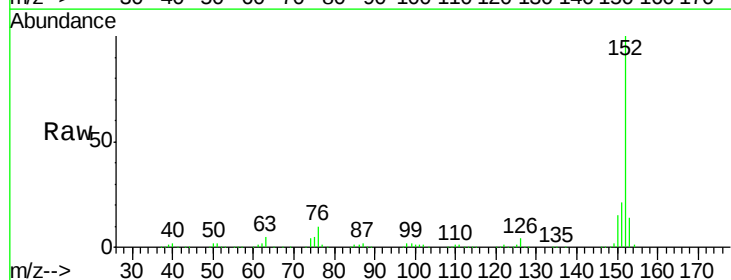
Tgt Ion:152 Resp: 1148075

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

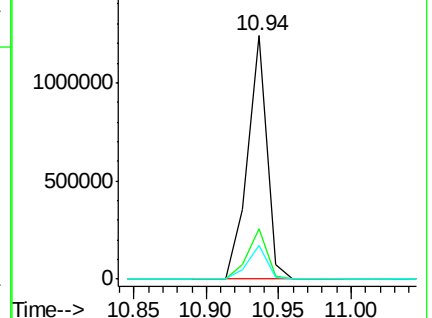
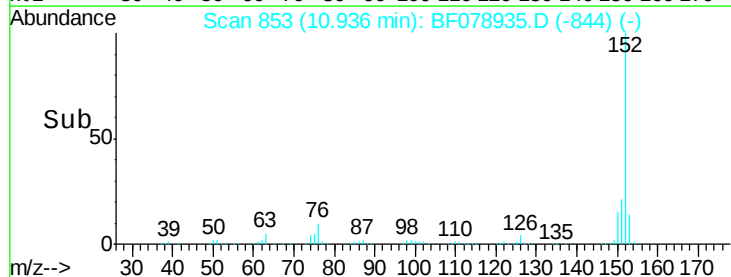
153 13.7 10.9 16.3

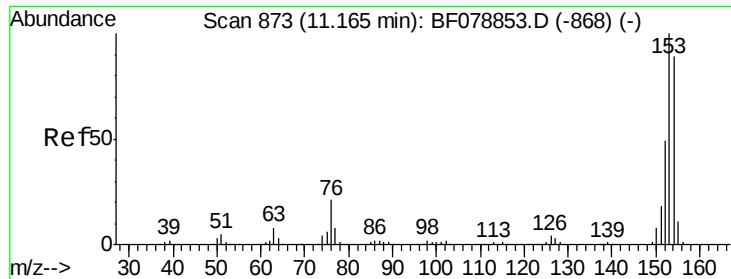


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 161.98 ng

RT: 11.15 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

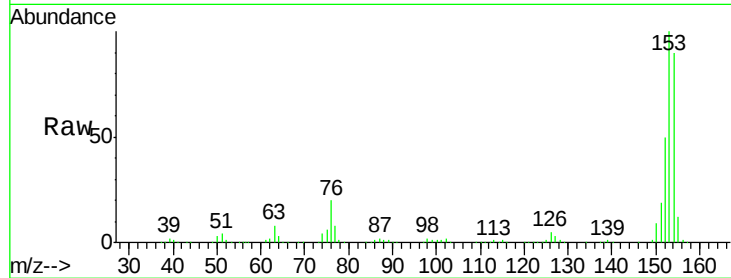
Tgt Ion:154 Resp: 1319225

Ion Ratio Lower Upper

154 100

153 110.8 91.5 137.3

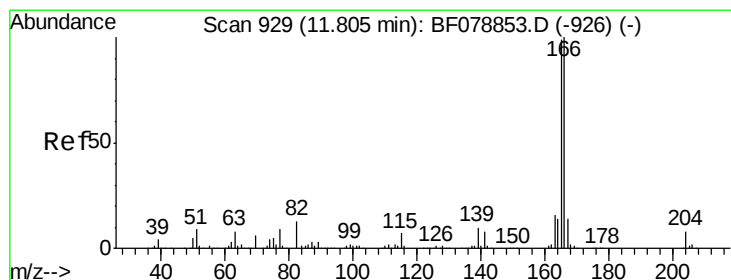
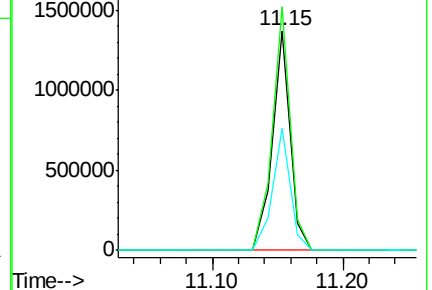
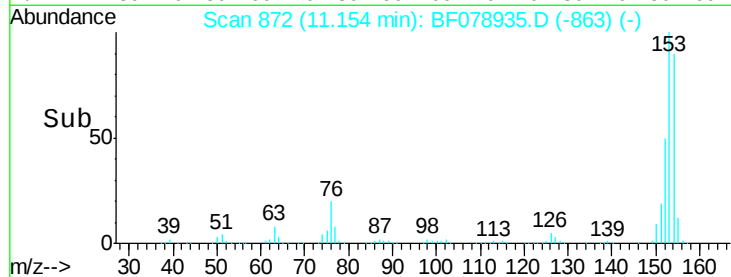
152 55.6 44.2 66.4



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



#57

Fluorene

Concen: 69.81 ng

RT: 11.79 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

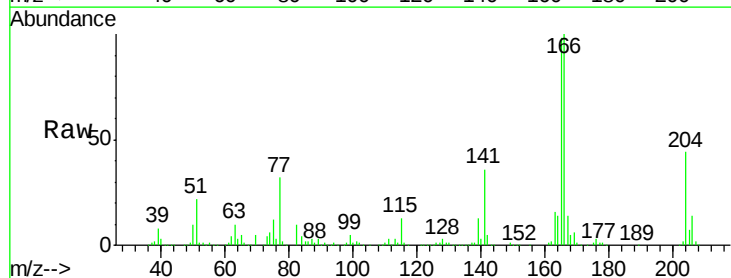
Tgt Ion:166 Resp: 674085

Ion Ratio Lower Upper

166 100

165 98.0 78.5 117.7

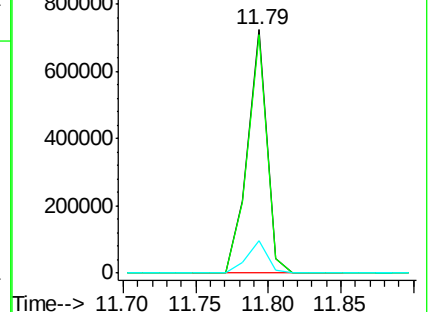
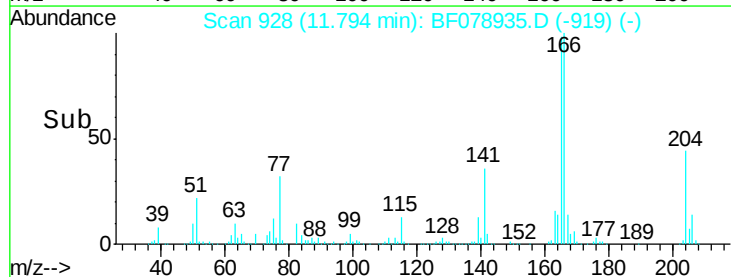
167 13.5 11.0 16.6

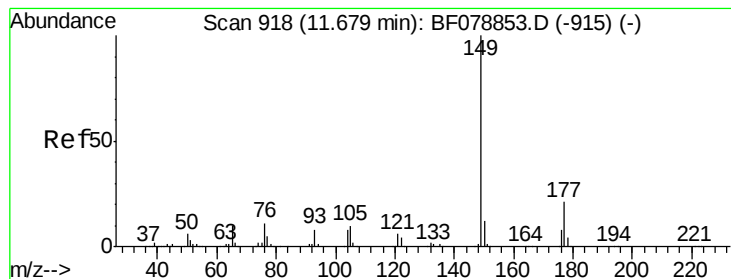


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 132.04 ng

RT: 11.67 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

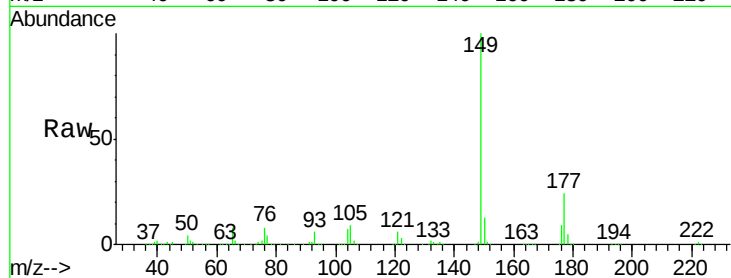
Tgt Ion:149 Resp: 1287811

Ion Ratio Lower Upper

149 100

177 23.6 17.5 26.3

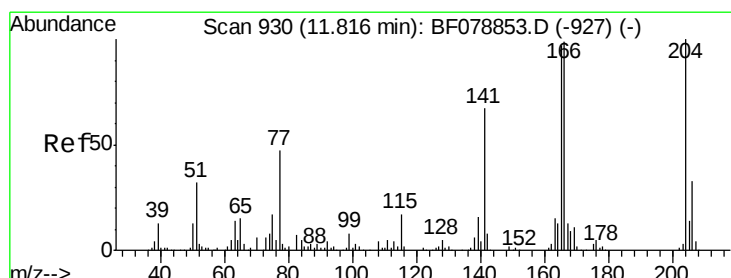
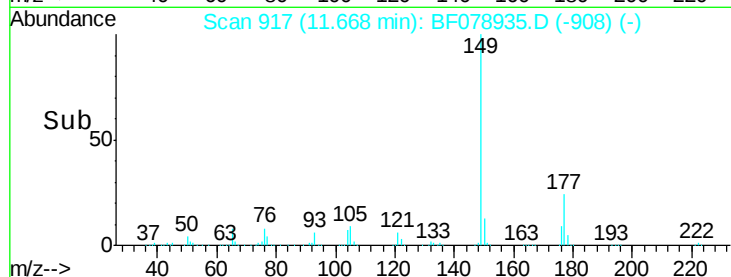
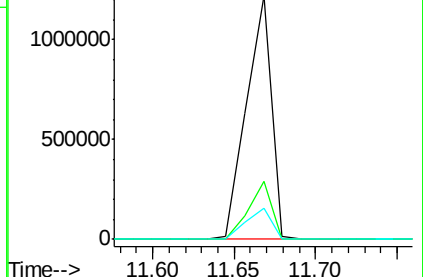
150 13.0 9.6 14.4



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: 175.04 ng

RT: 11.81 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

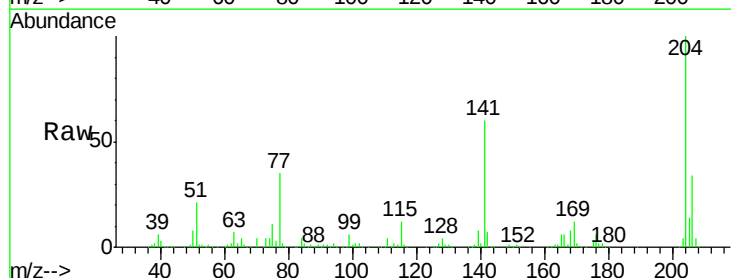
Tgt Ion:204 Resp: 749796

Ion Ratio Lower Upper

204 100

206 33.8 26.9 40.3

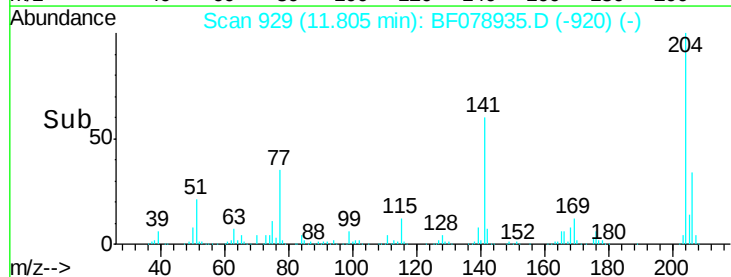
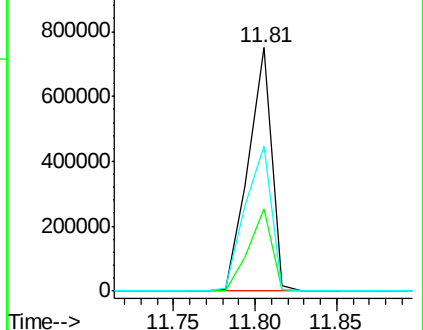
141 59.8 48.3 72.5

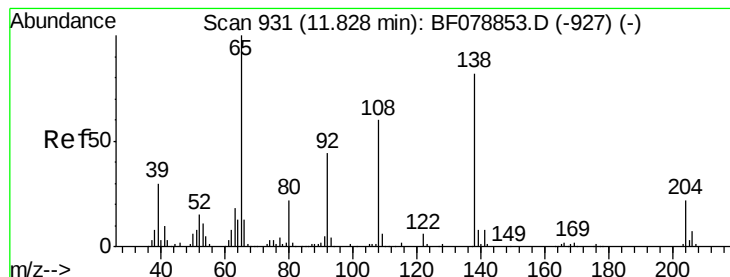


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 4.76 ng

RT: 11.79 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

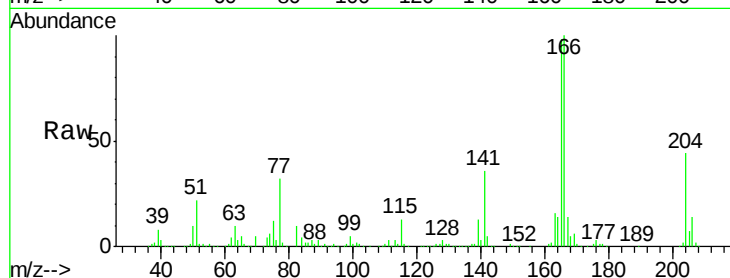
Tgt Ion:138 Resp: 11552

Ion Ratio Lower Upper

138 100

92 29.5 28.0 68.0

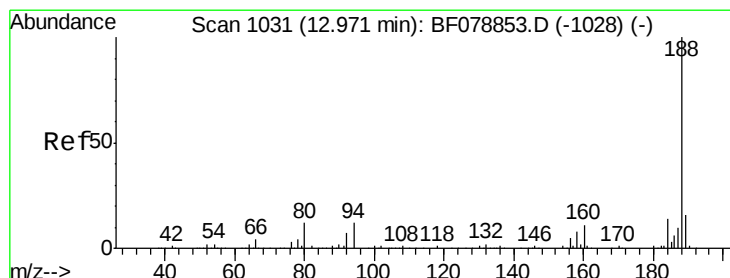
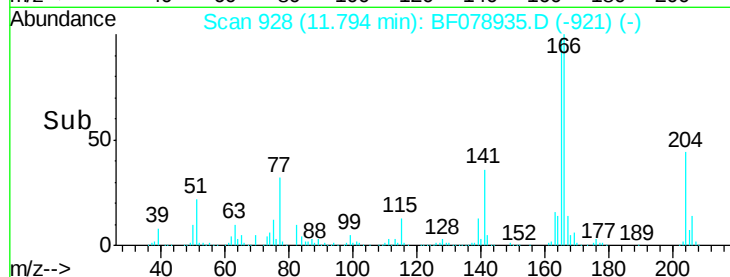
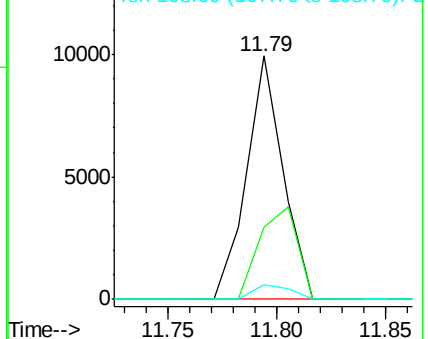
108 6.0 56.3 96.3#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.96 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

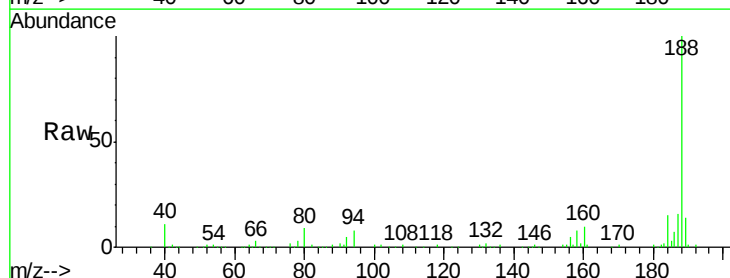
Tgt Ion:188 Resp: 252608

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

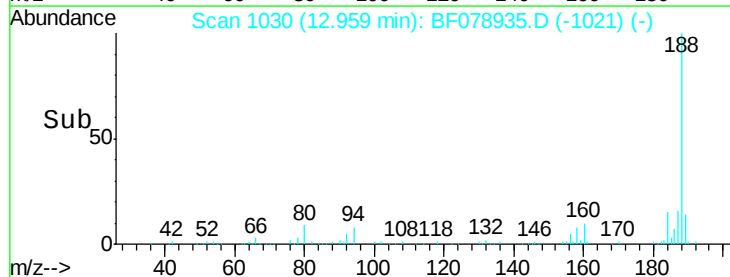
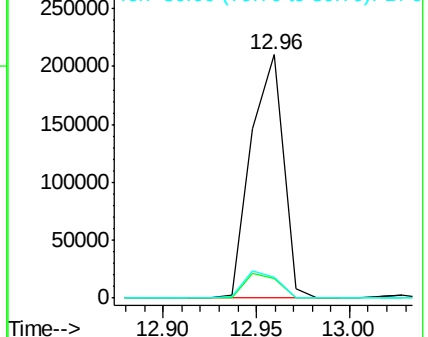
80 8.6 8.9 13.3#

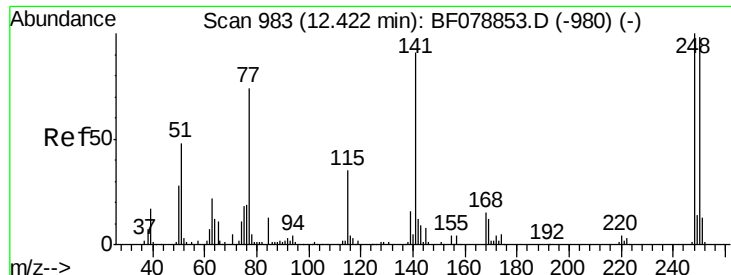


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

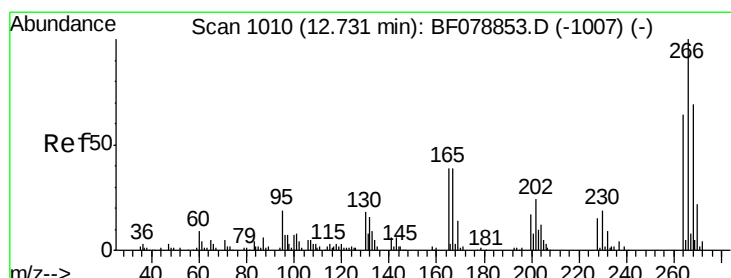
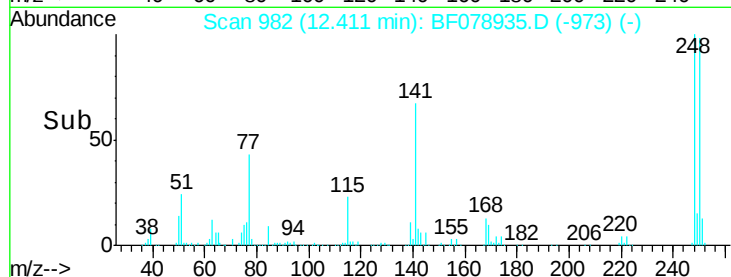
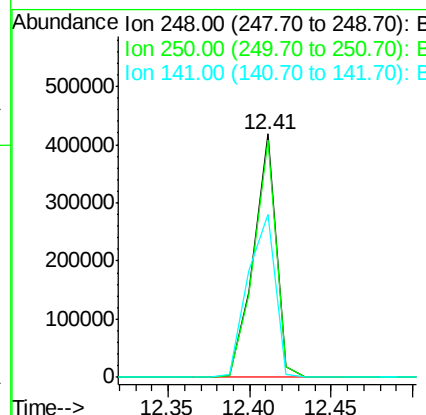
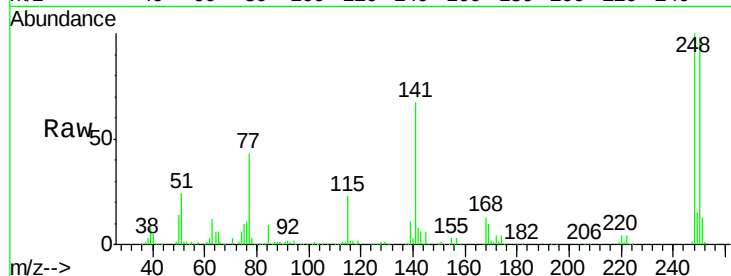




#66
 4-Bromophenyl-phenylether
 Concen: 152.44 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

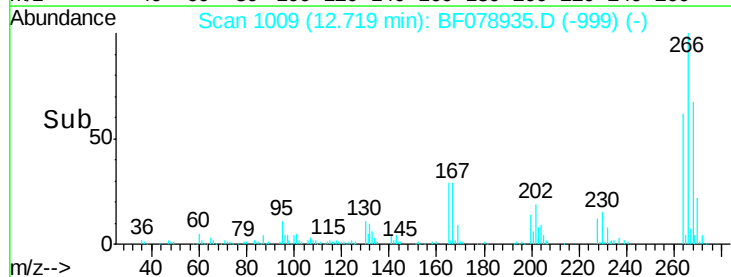
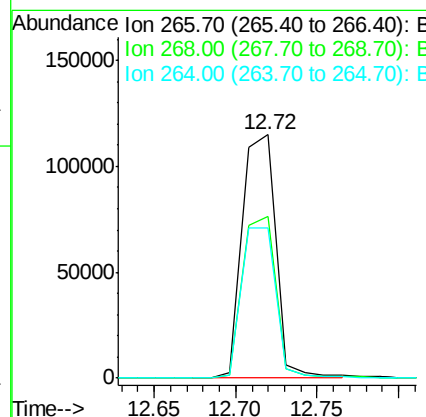
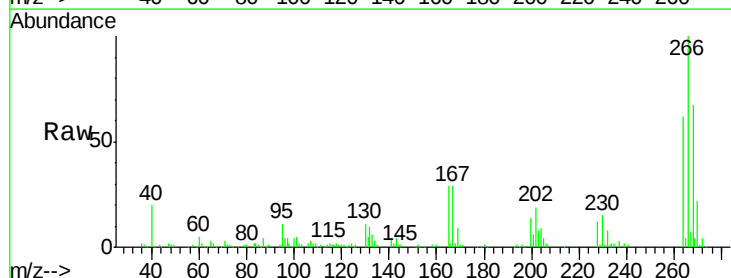
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

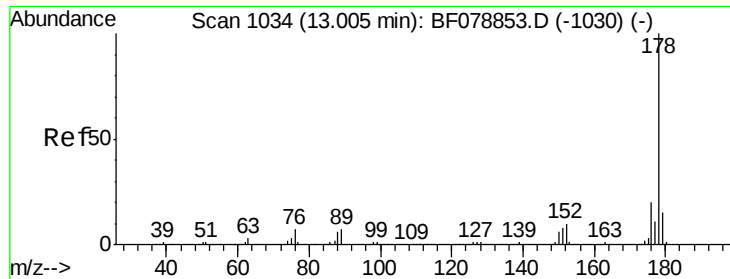
Tgt Ion:248 Resp: 401385
 Ion Ratio Lower Upper
 248 100
 250 97.6 77.1 115.7
 141 67.2 58.8 88.2



#69
 Pentachlorophenol
 Concen: 91.68 ng
 RT: 12.72 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:266 Resp: 163343
 Ion Ratio Lower Upper
 266 100
 268 66.6 55.0 82.6
 264 61.5 48.2 72.2

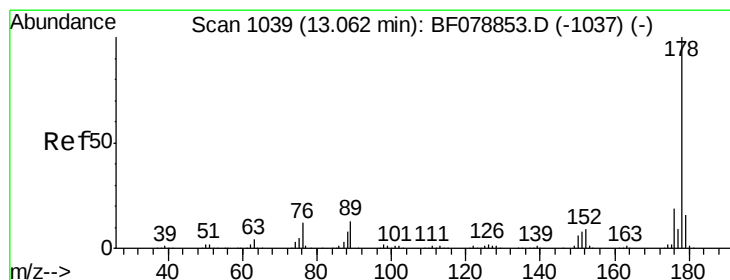
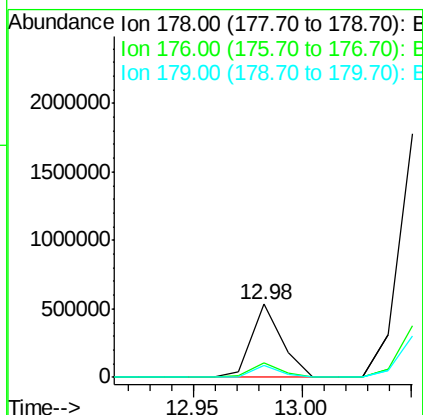
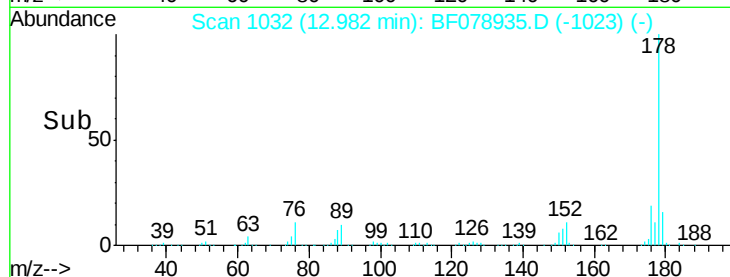
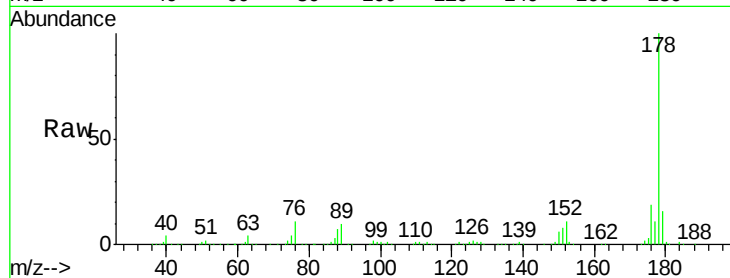




#70
Phenanthrene
Concen: 36.78 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

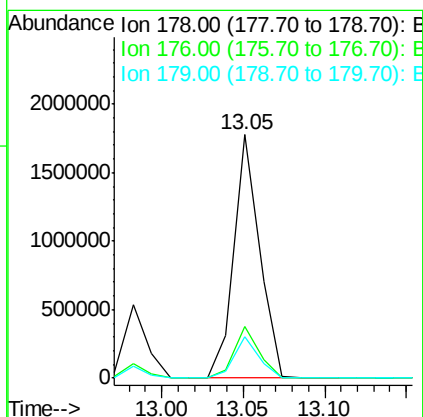
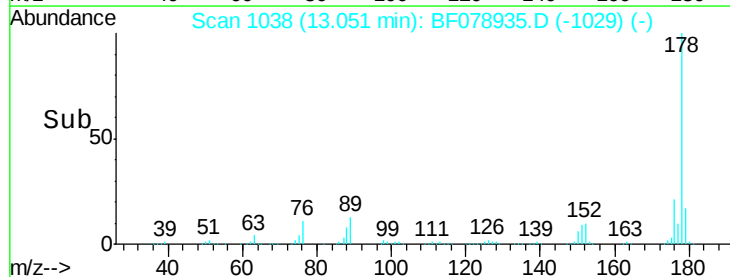
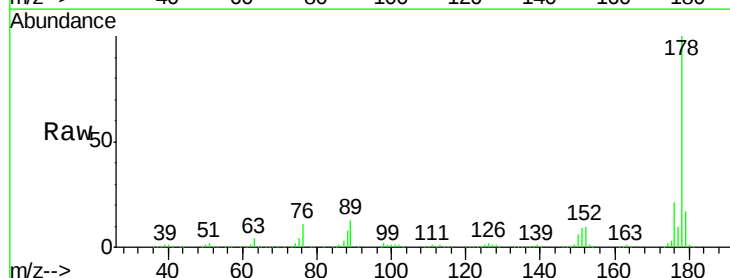
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

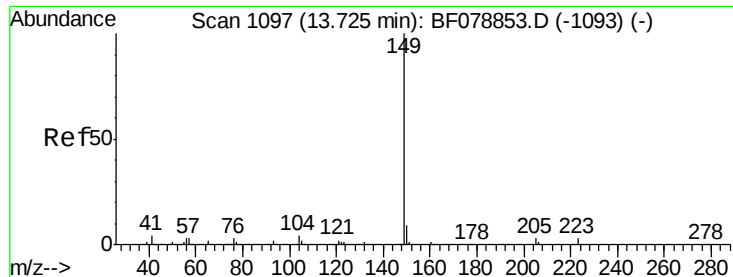
Tgt Ion:178 Resp: 519762
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.8 12.5 18.7



#71
Anthracene
Concen: 138.97 ng
RT: 13.05 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion:178 Resp: 1926717
Ion Ratio Lower Upper
178 100
176 21.0 15.5 23.3
179 17.1 12.7 19.1





#73

Di-n-butylphthalate

Concen: 72.90 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

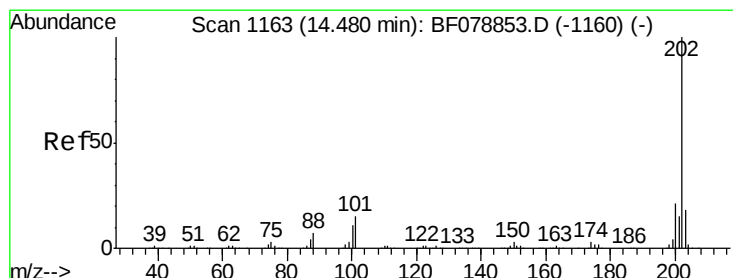
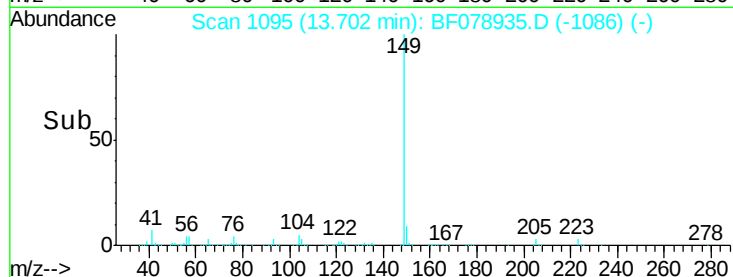
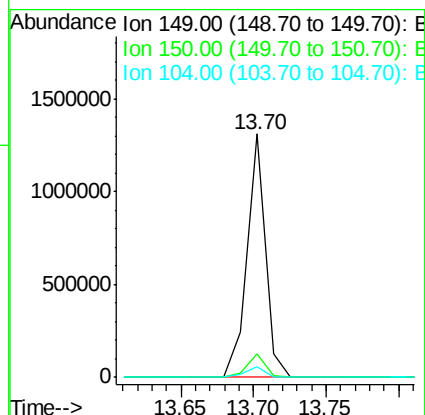
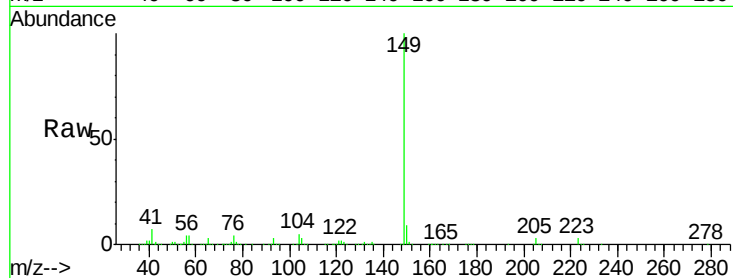
Tgt Ion:149 Resp: 1155196

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

104 4.6 4.6 7.0#



#74

Fluoranthene

Concen: 104.74 ng

RT: 14.47 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

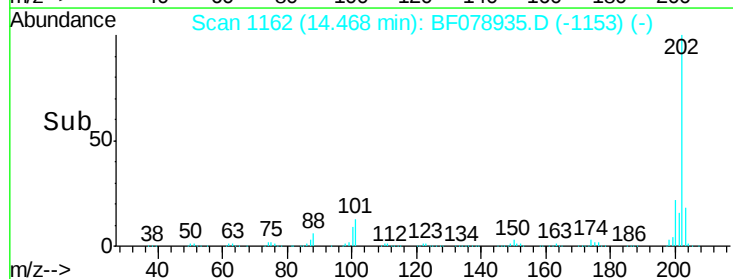
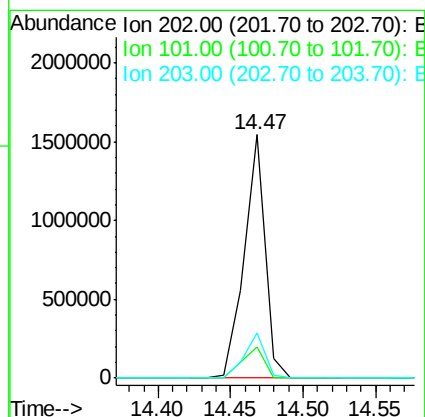
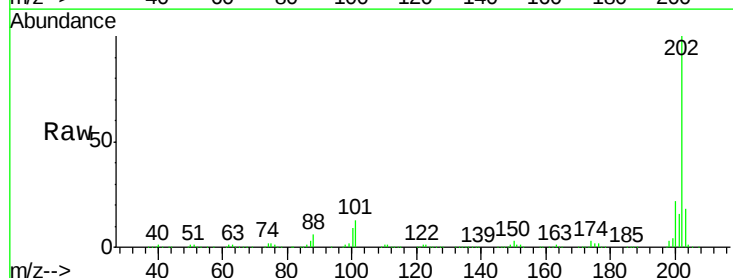
Tgt Ion:202 Resp: 1542338

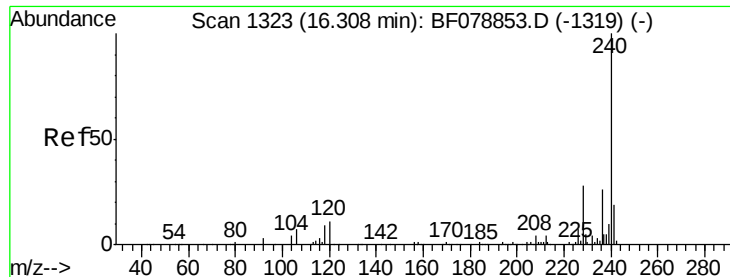
Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.6

203 18.4 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

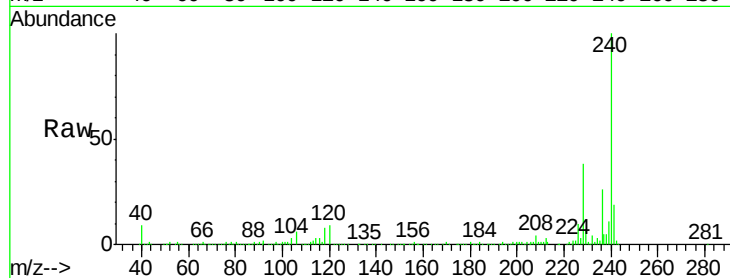
Tgt Ion:240 Resp: 271782

Ion Ratio Lower Upper

240 100

120 9.4 9.7 14.5#

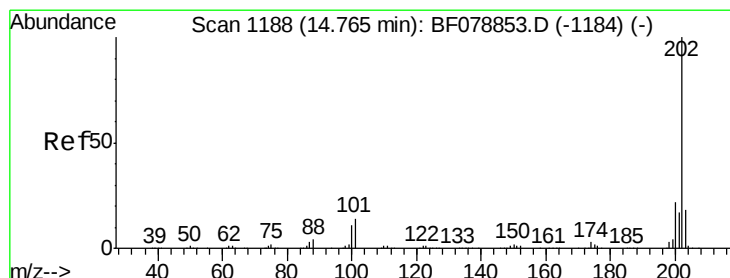
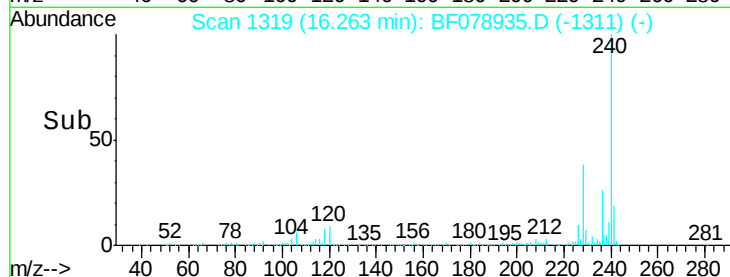
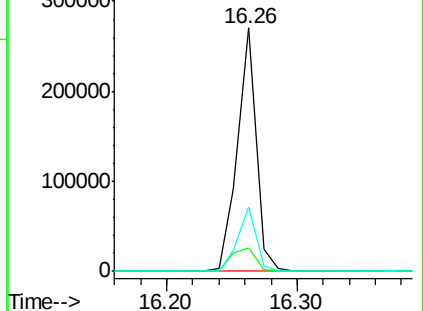
236 26.3 20.2 30.4



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



#77

Pyrene

Concen: 80.98 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

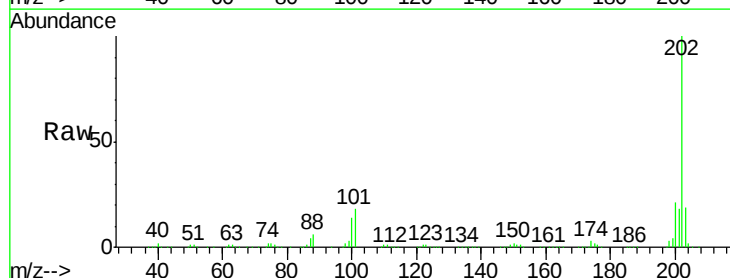
Tgt Ion:202 Resp: 1268328

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

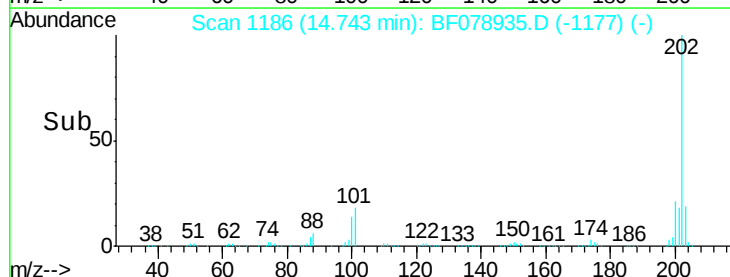
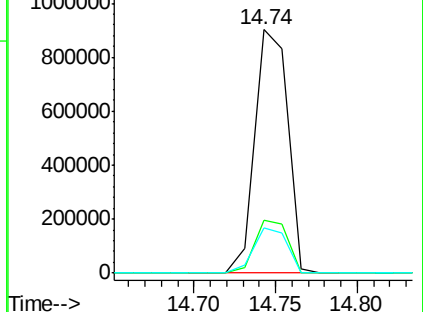
203 18.8 13.9 20.9

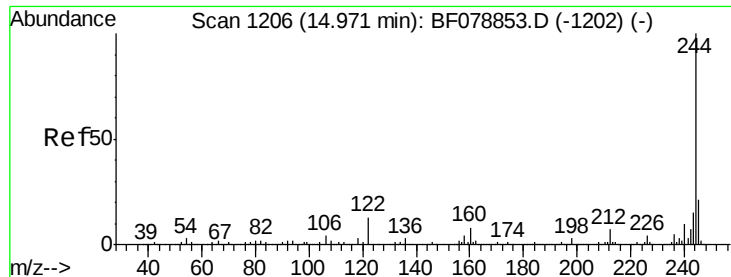


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

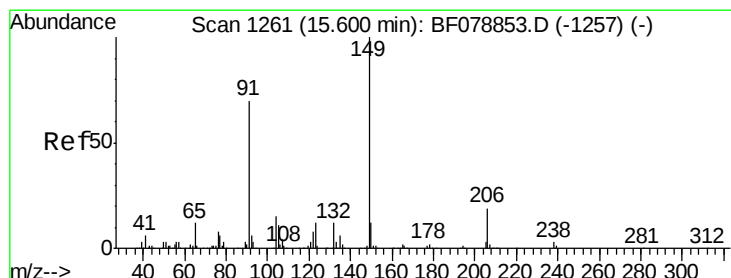
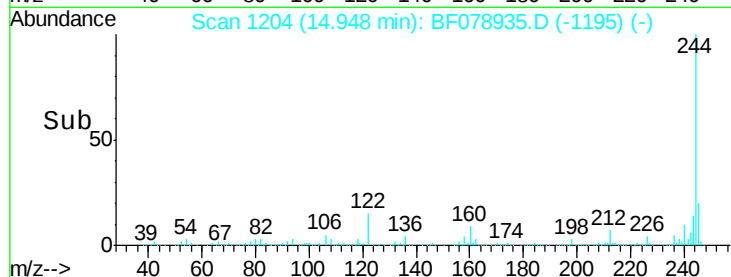
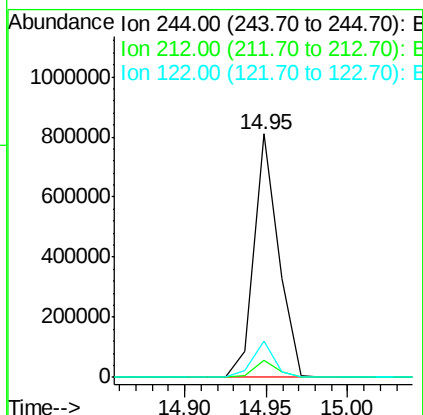
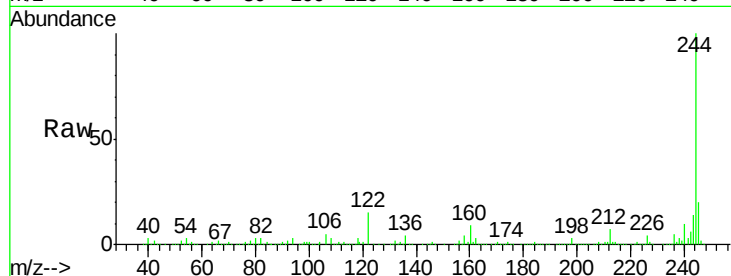




#78
 Terphenyl-d14
 Concen: 74.47 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

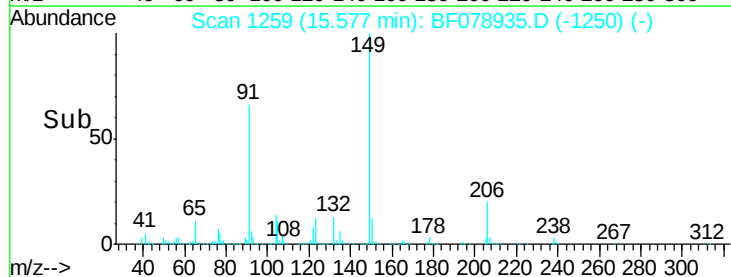
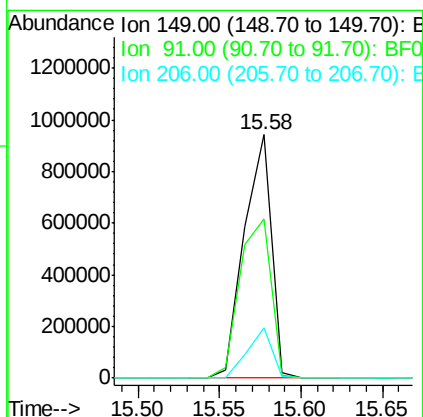
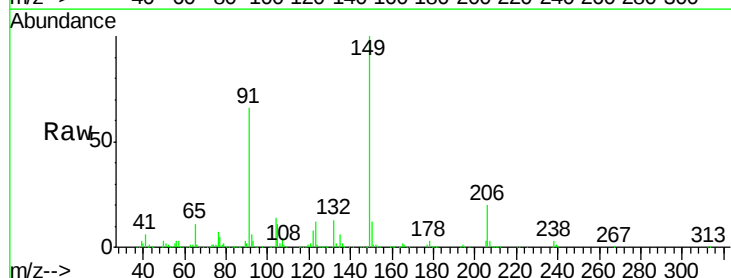
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

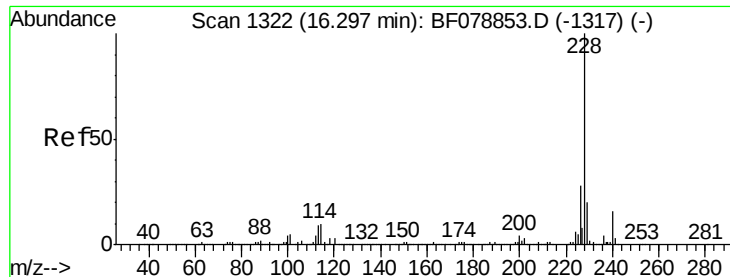
Tgt Ion:244 Resp: 845428
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 14.8 10.3 15.5



#79
 Butylbenzylphthalate
 Concen: 159.23 ng
 RT: 15.58 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:149 Resp: 1090104
 Ion Ratio Lower Upper
 149 100
 91 65.6 64.6 97.0
 206 20.5 12.2 18.4#





#80

Benzo(a)anthracene

Concen: 87.99 ng

RT: 16.25 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

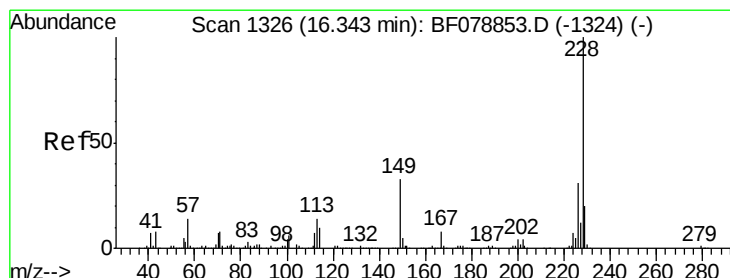
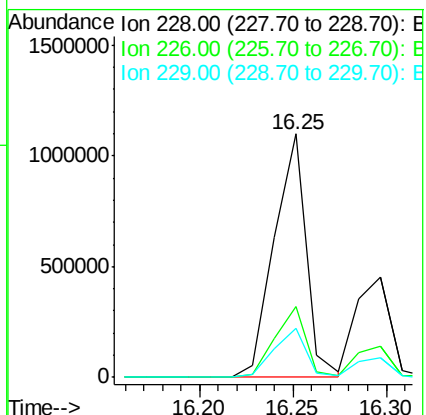
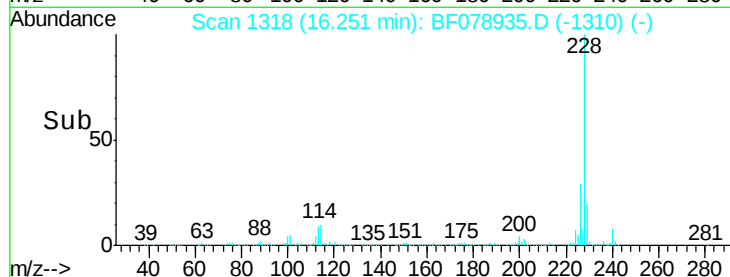
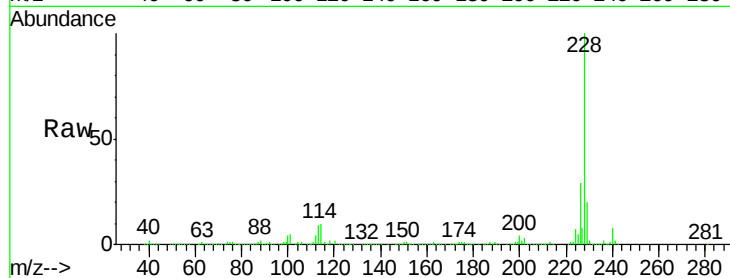
Tgt Ion:228 Resp: 1309608

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

229 20.4 15.9 23.9



#82

Chrysene

Concen: 40.37 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

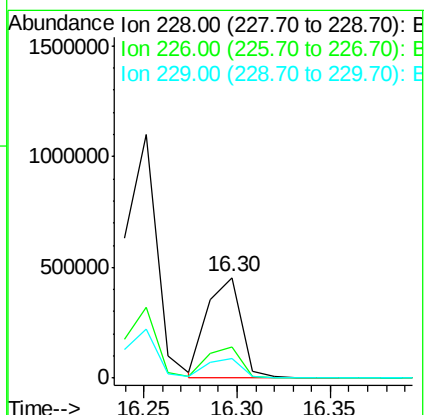
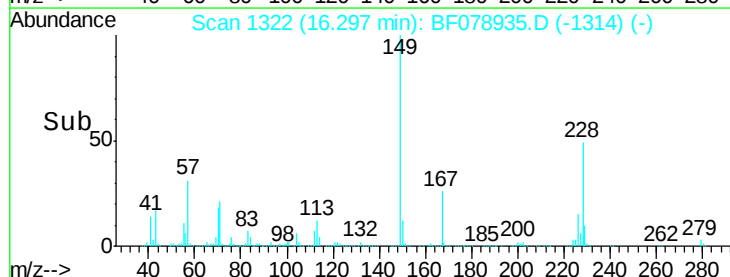
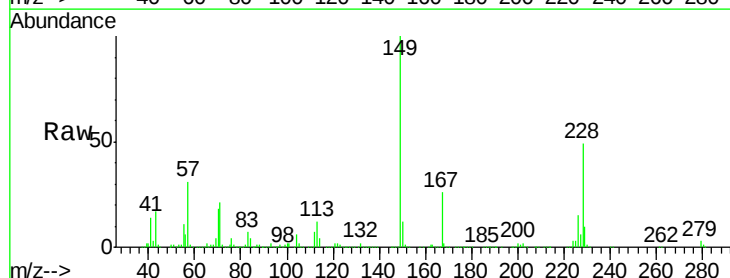
Tgt Ion:228 Resp: 577883

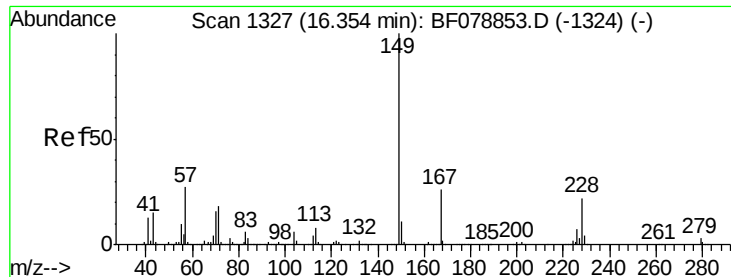
Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 19.5 16.0 24.0

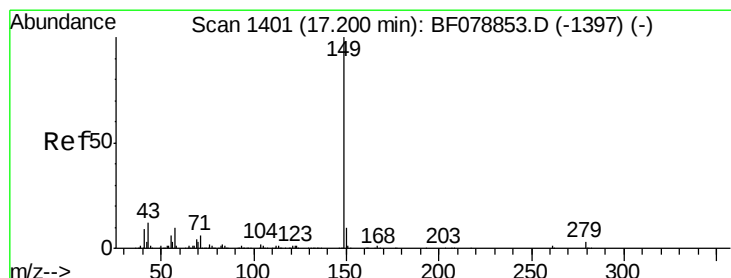
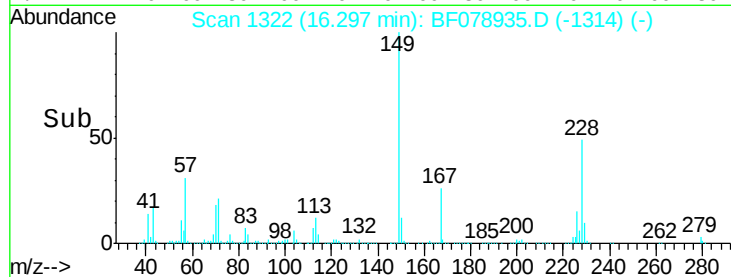
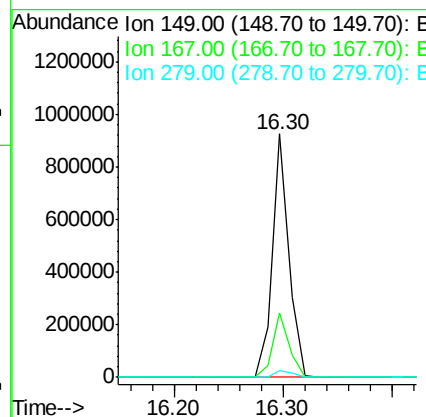
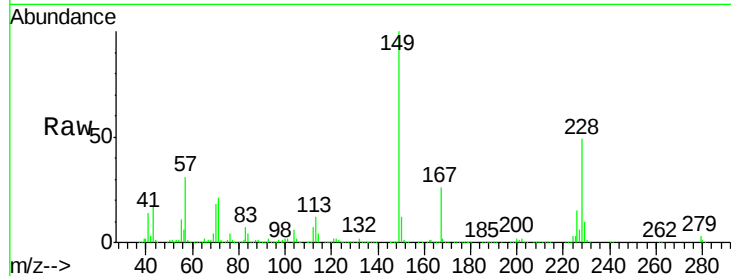




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 95.16 ng
 RT: 16.30 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

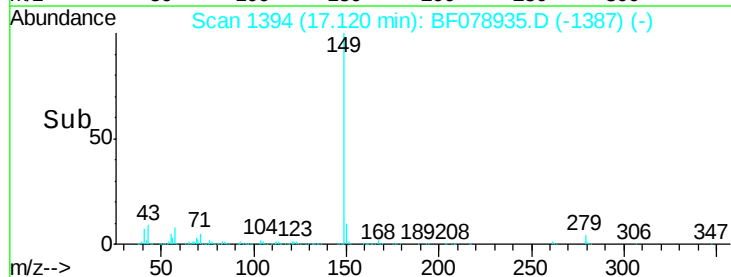
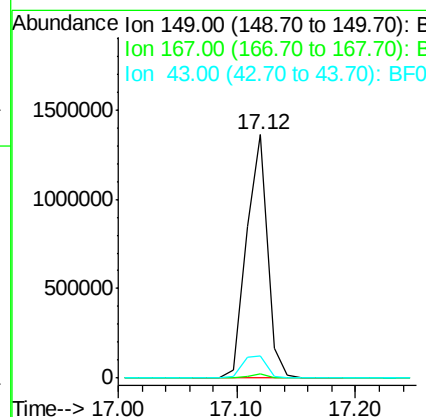
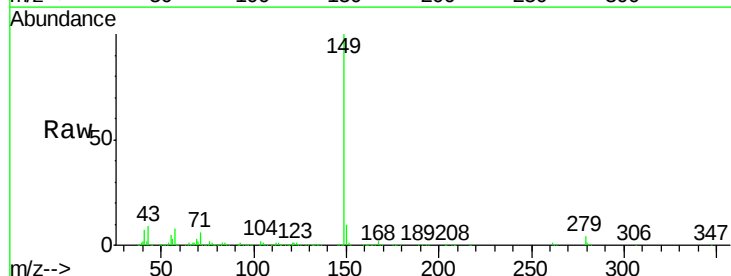
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

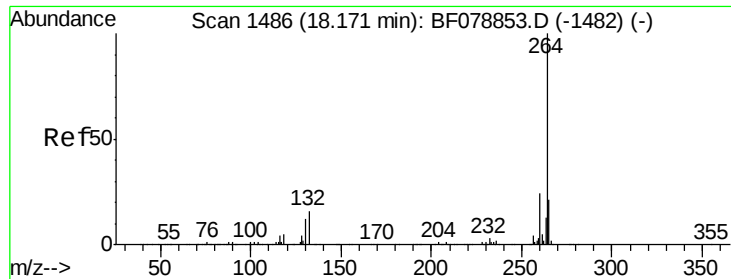
Tgt Ion:149 Resp: 986769
 Ion Ratio Lower Upper
 149 100
 167 26.4 21.8 32.8
 279 2.8 2.9 4.3#



#84
 Di-n-octyl phthalate
 Concen: 91.86 ng
 RT: 17.12 min Scan# 1394
 Delta R.T. -0.02 min
 Lab File: BF078935.D
 Acq: 5 May 2015 11:33

Tgt Ion:149 Resp: 1677606
 Ion Ratio Lower Upper
 149 100
 167 1.6 0.0 0.0#
 43 10.9 0.0 0.0#

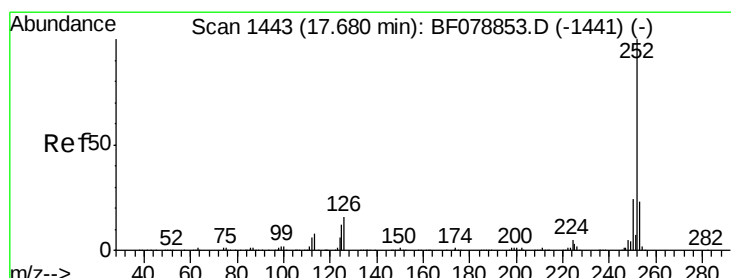
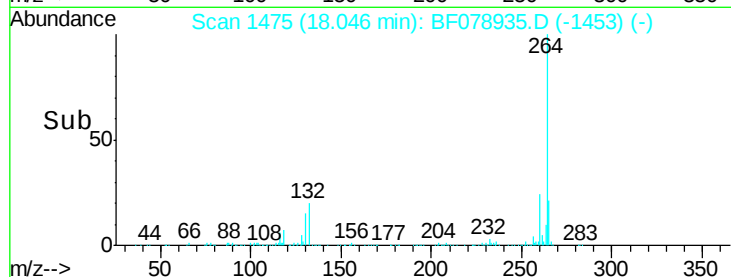
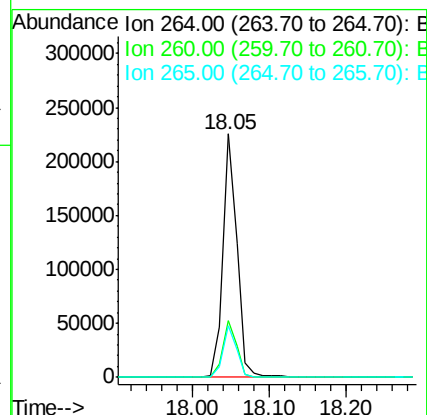
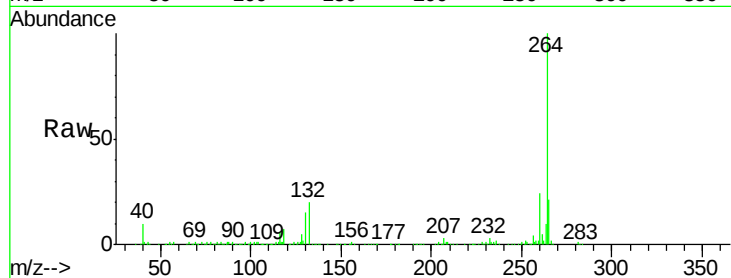




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.05 min Scan# 1475
Delta R.T. -0.05 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

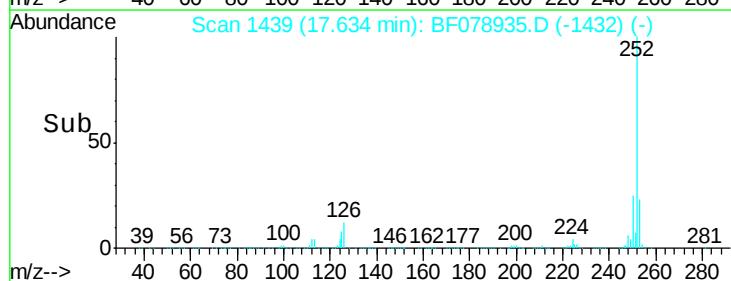
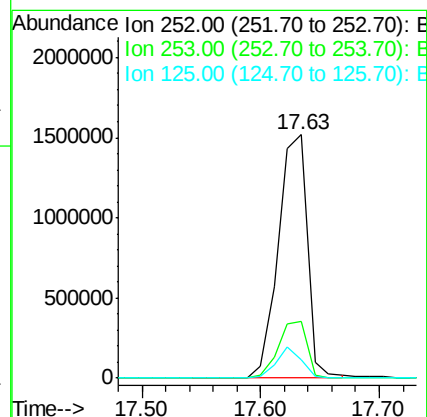
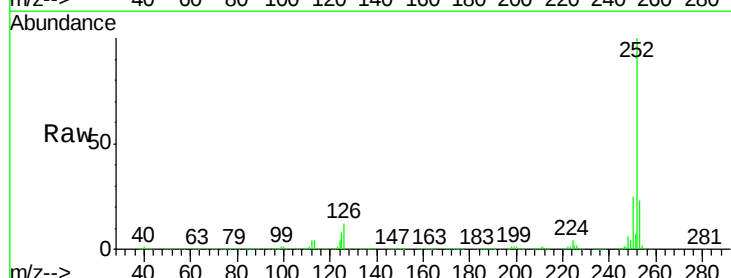
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

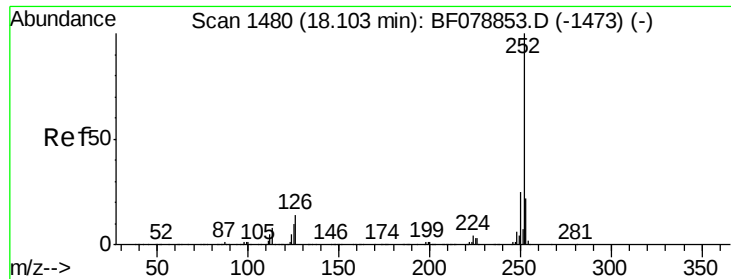
Tgt Ion: 264 Resp: 290401
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.1 18.3 27.5



#88
Benzo(k)fluoranthene
Concen: 166.59 ng
RT: 17.63 min Scan# 1439
Delta R.T. -0.02 min
Lab File: BF078935.D
Acq: 5 May 2015 11:33

Tgt Ion: 252 Resp: 2563530
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 7.5 10.0 15.0#





#89

Benzo(a)pyrene

Concen: 49.49 ng

RT: 17.99 min Scan# 1470

Delta R.T. -0.03 min

Lab File: BF078935.D

Acq: 5 May 2015 11:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion:252 Resp: 724366

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 8.1 7.0 10.6

