

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050515\
 Data File : BF078941.D
 Acq On : 5 May 2015 15:33
 Operator : TP/IZ
 Sample : G2078-15DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 06 01:12:27 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	68136	20.00	ng	0.00
21) Naphthalene-d8	8.94	136	291334	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	138131	20.00	ng	0.00
63) Phenanthrene-d10	12.96	188	262685	20.00	ng	0.00
75) Chrysene-d12	16.29	240	289021	20.00	ng	0.01
86) Perylene-d12	18.14	264	310870	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	87054	21.99	ng	0.00
7) Phenol-d6	6.90	99	123677	23.64	ng	0.00
23) Nitrobenzene-d5	8.04	82	65937	13.01	ng	0.00
41) 2,4,6-Tribromophenol	12.09	330	27855	18.64	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	146500	14.78	ng	-0.01
78) Terphenyl-d14	14.95	244	168259	13.94	ng	0.00

Target Compounds				Qvalue		
8) 2-Chlorophenol	7.08	128	170048	37.88	ng	97
10) Phenol	6.91	94	173194	28.53	ng	99
12) 1,3-Dichlorobenzene	7.28	146	161963	32.10	ng	96
13) 1,4-Dichlorobenzene	7.38	146	78550	15.13	ng	98
18) Hexachloroethane	7.98	117	20604	11.52	ng	# 80
20) 3+4-Methylphenols	7.86	107	29909	6.21	ng	# 37
25) Isophorone	8.36	82	374879	39.89	ng	99
26) 2-Nitrophenol	8.47	139	35434	17.04	ng	100
30) 1,2,4-Trichlorobenzene	8.87	180	151125	37.18	ng	97
31) Naphthalene	8.96	128	421312	30.35	ng	98
33) 4-Chloroaniline	8.96	127	49885	8.49	ng	# 33
36) 4-Chloro-3-methylphenol	9.62	107	115363	29.68	ng	95
37) 2-Methylnaphthalene	9.82	142	134308	13.96	ng	98
42) 2,4,6-Trichlorophenol	10.17	196	37929	14.18	ng	98
43) 2,4,5-Trichlorophenol	10.20	196	67731	25.05	ng	97
48) Acenaphthylene	10.94	152	212823	15.13	ng	99
51) Acenaphthene	11.15	154	289769	34.55	ng	98
57) Fluorene	11.79	166	129511	13.02	ng	97
59) Diethylphthalate	11.66	149	229946	22.89	ng	95
60) 4-Chlorophenyl-phenylether	11.81	204	145632	33.02	ng	93
66) 4-Bromophenyl-phenylether	12.41	248	75811	27.69	ng	# 92
69) Pentachlorophenol	12.72	266	21619	17.64	ng	97
70) Phenanthrene	12.98	178	100736	6.85	ng	99
71) Anthracene	13.05	178	434046	30.11	ng	99
73) Di-n-butylphthalate	13.70	149	201468	12.23	ng	97
74) Fluoranthene	14.47	202	310591	20.28	ng	93
77) Pyrene	14.74	202	248693	14.93	ng	98
79) Butylbenzylphthalate	15.58	149	184129	25.29	ng	99
80) Benzo(a)anthracene	16.27	228	248181	15.68	ng	97
82) Chrysene	16.32	228	113422	7.45	ng	97
83) Bis(2-ethylhexyl)phthalate	16.33	149	172576	15.65	ng	98
84) Di-n-octyl phthalate	17.18	149	275533	14.19	ng	# 100
87) Benzo(b)fluoranthene	17.69	252	534797	31.43	ng	# 97
88) Benzo(k)fluoranthene	17.69	252	544123	33.03	ng	# 96

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Misc :
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QLast Update : Wed May 06 00:45:00 2015
Response via : Initial Calibration

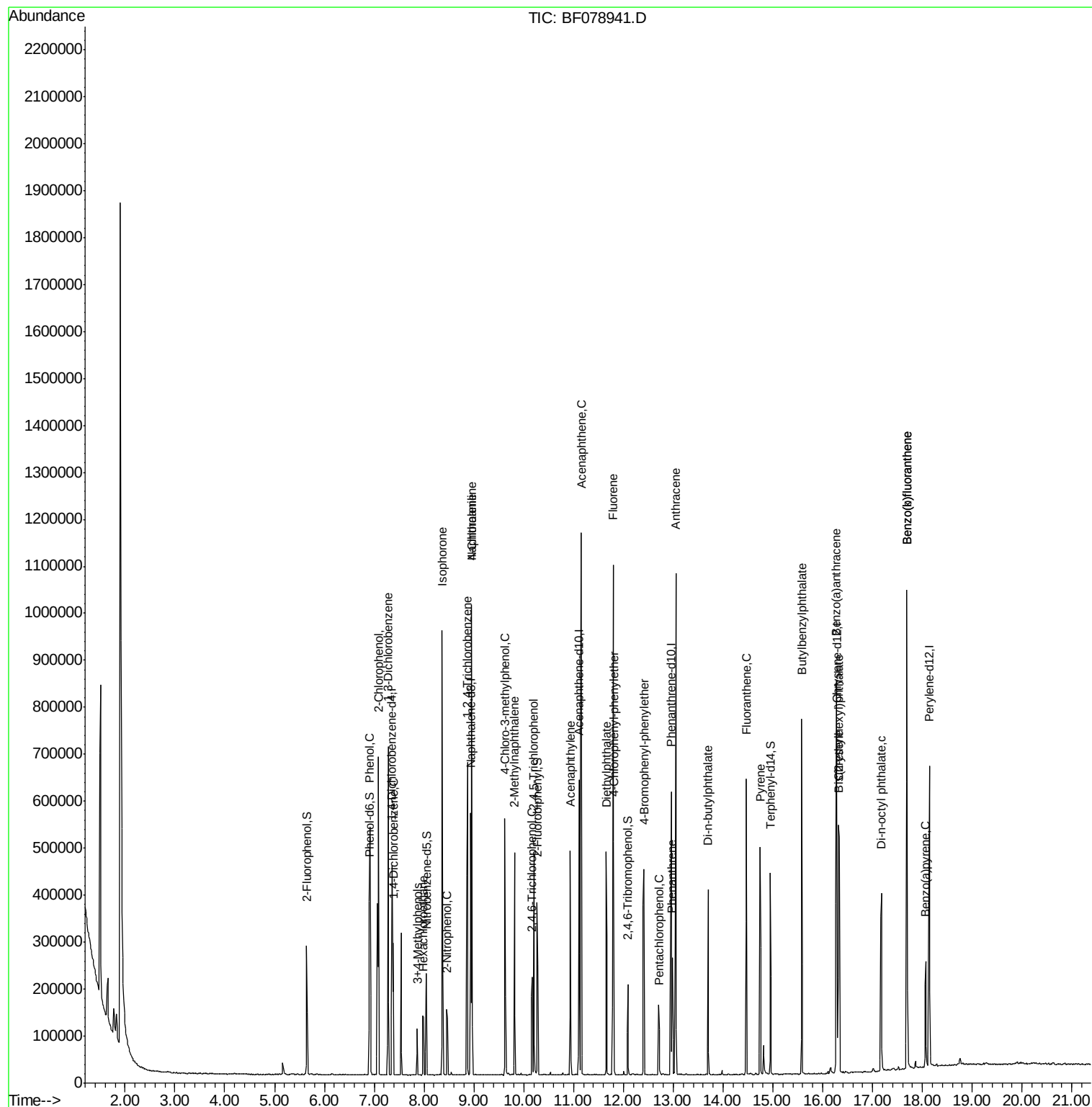
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	18.07	252	134849	8.61	ng	99

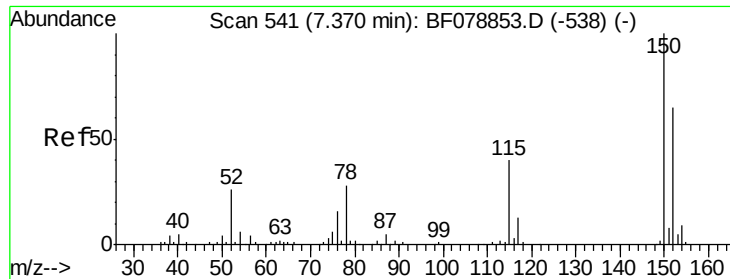
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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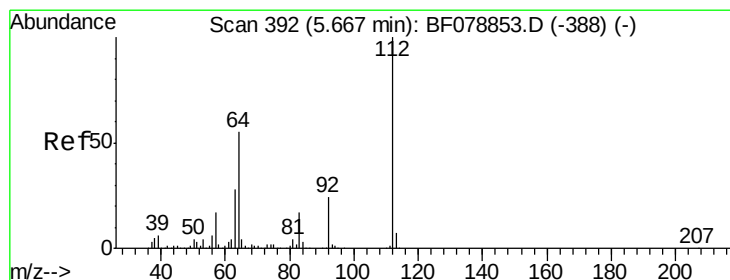
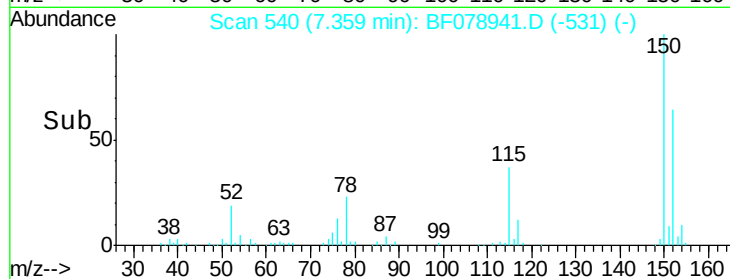
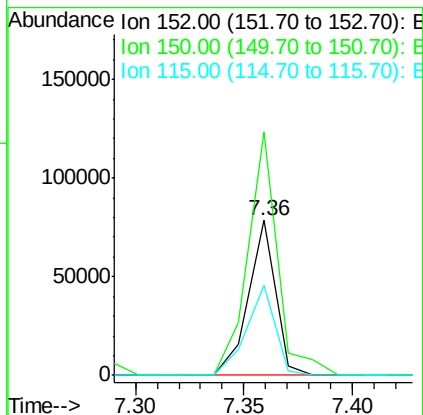
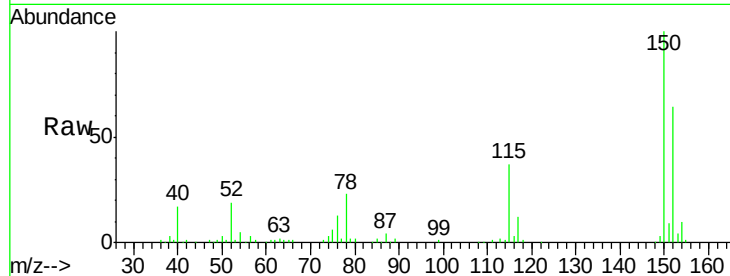


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.36 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

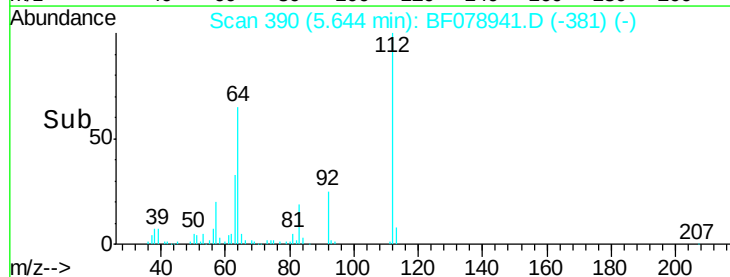
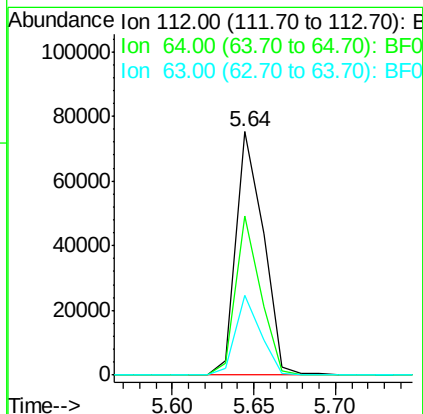
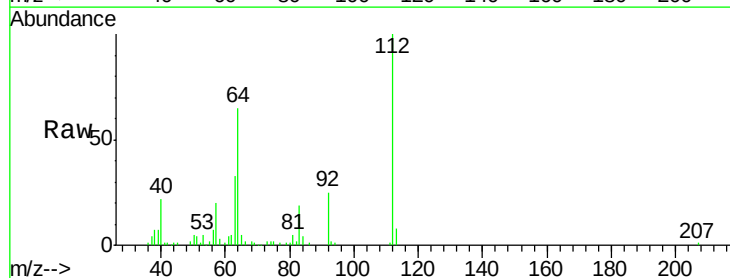
Tgt Ion:152 Resp: 68136
Ion Ratio Lower Upper
152 100
150 156.9 122.0 183.0
115 58.3 46.3 69.5

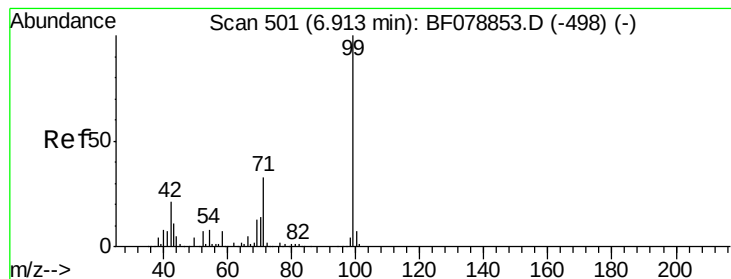


#5

2-Fluorophenol
Concen: 21.99 ng
RT: 5.64 min Scan# 390
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

Tgt Ion:112 Resp: 87054
Ion Ratio Lower Upper
112 100
64 65.5 53.5 80.3
63 32.7 27.5 41.3





#7

Phenol-d6

Concen: 23.64 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

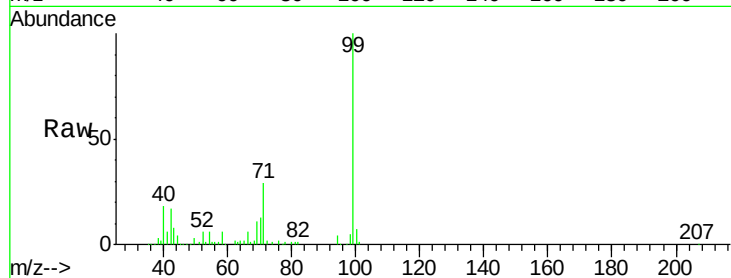
Tgt Ion: 99 Resp: 123677

Ion Ratio Lower Upper

99 100

42 16.8 12.8 19.2

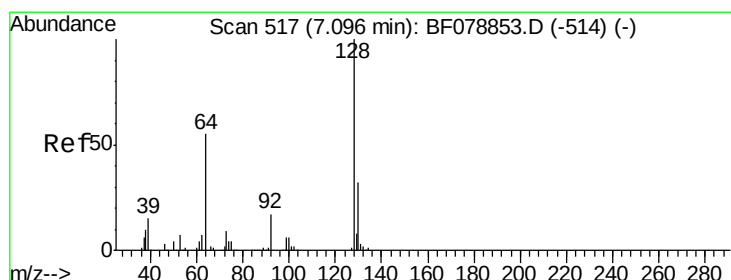
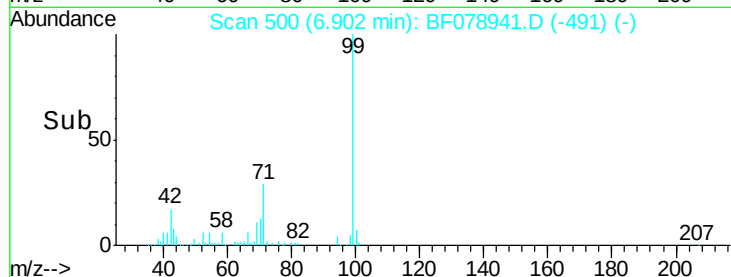
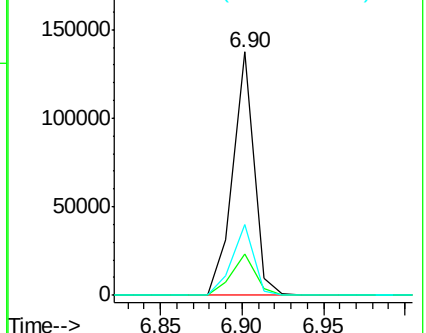
71 29.0 23.4 35.2



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: 37.88 ng

RT: 7.08 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

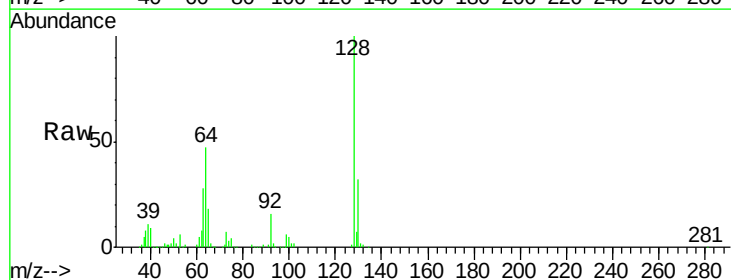
Tgt Ion: 128 Resp: 170048

Ion Ratio Lower Upper

128 100

130 32.5 12.1 52.1

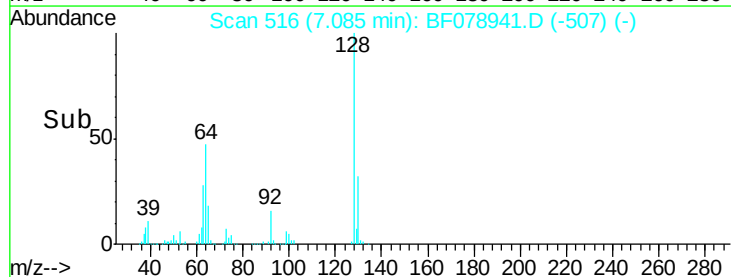
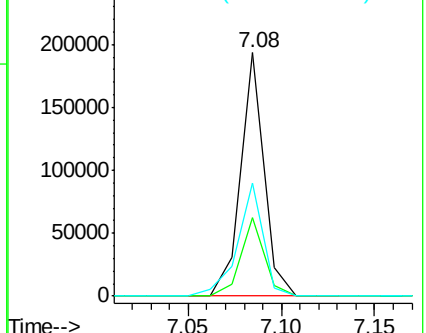
64 46.6 29.6 69.6

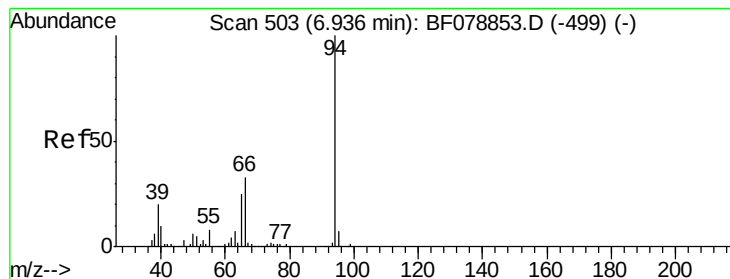


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 28.53 ng

RT: 6.91 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

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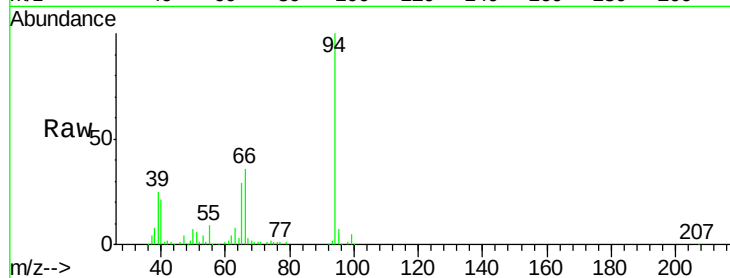
Tgt Ion: 94 Resp: 173194

Ion Ratio Lower Upper

94 100

65 29.3 8.5 48.5

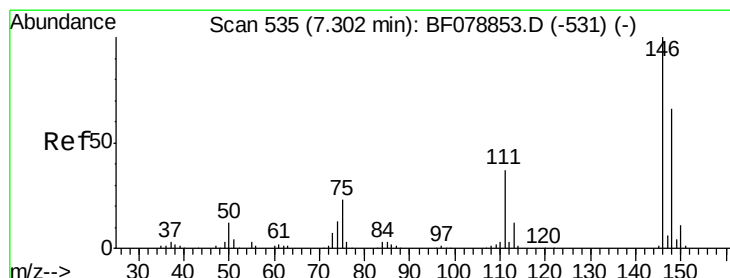
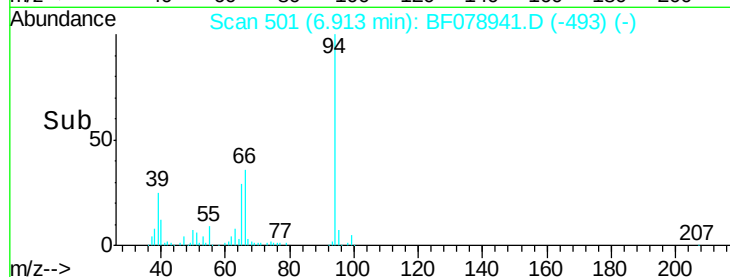
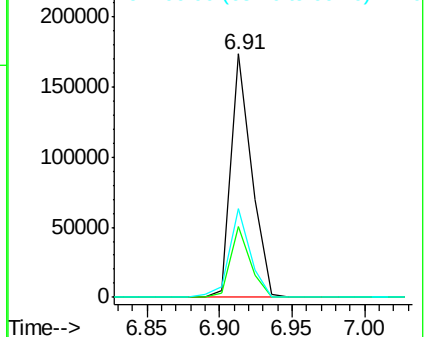
66 36.3 16.0 56.0



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



#12

1,3-Dichlorobenzene

Concen: 32.10 ng

RT: 7.28 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

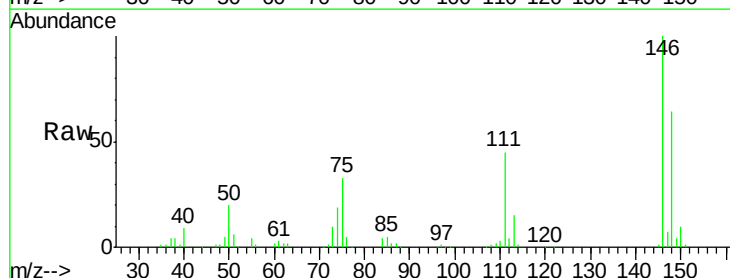
Tgt Ion: 146 Resp: 161963

Ion Ratio Lower Upper

146 100

148 64.3 50.2 75.2

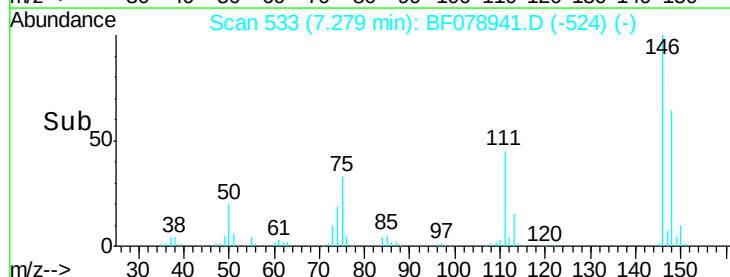
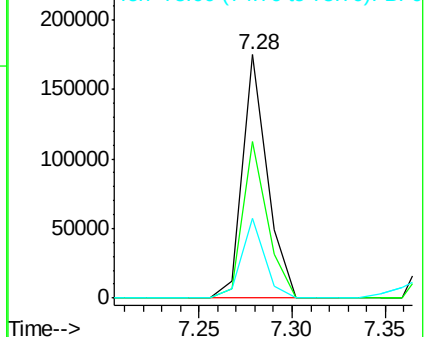
75 32.9 29.2 43.8

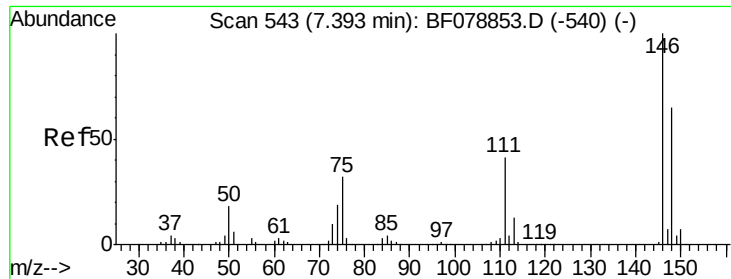


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

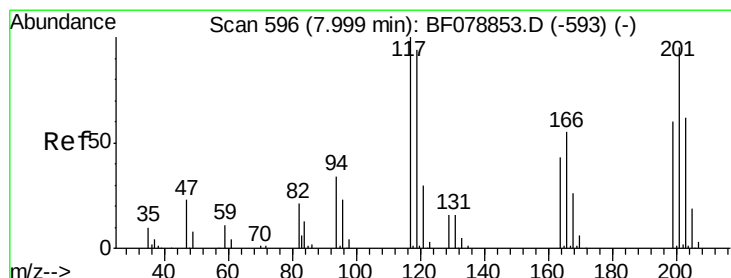
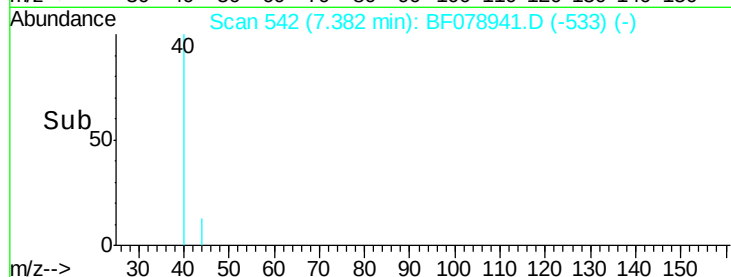
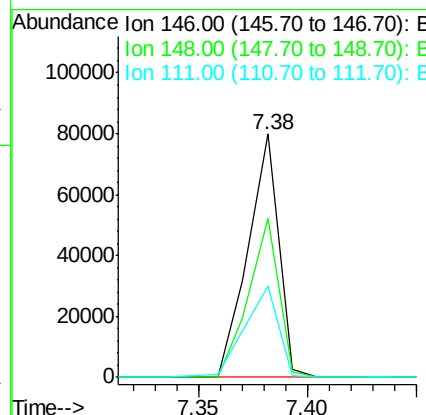
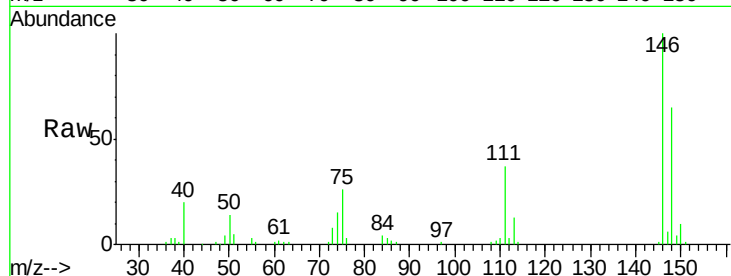




#13
 1,4-Dichlorobenzene
 Concen: 15.13 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

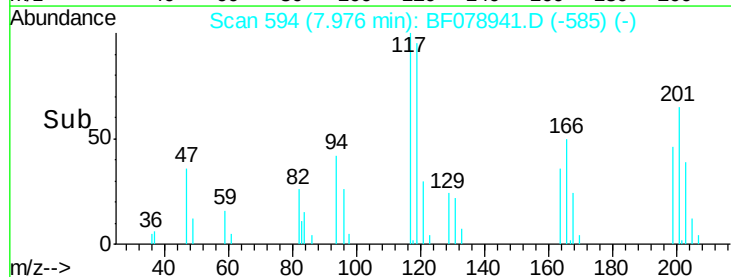
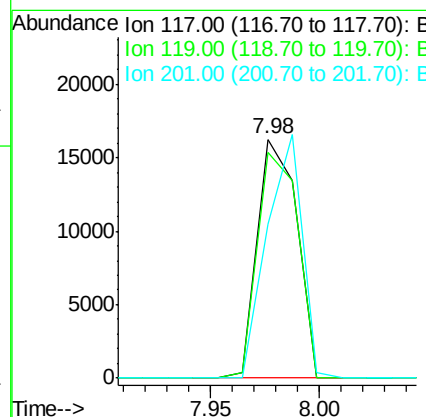
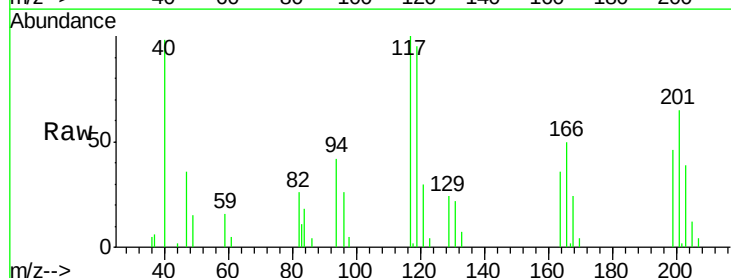
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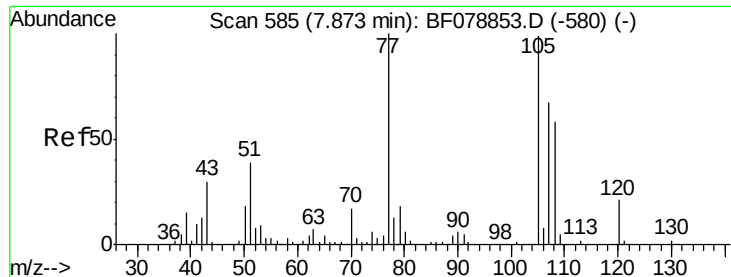
Tgt Ion:146 Resp: 78550
 Ion Ratio Lower Upper
 146 100
 148 65.3 52.8 79.2
 111 37.3 31.7 47.5



#18
 Hexachloroethane
 Concen: 11.52 ng
 RT: 7.98 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Tgt Ion:117 Resp: 20604
 Ion Ratio Lower Upper
 117 100
 119 94.9 75.4 113.0
 201 64.8 83.2 124.8#

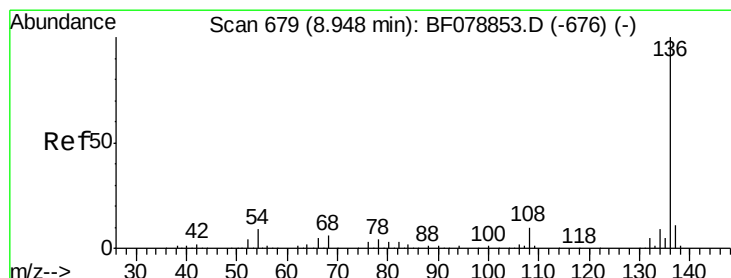
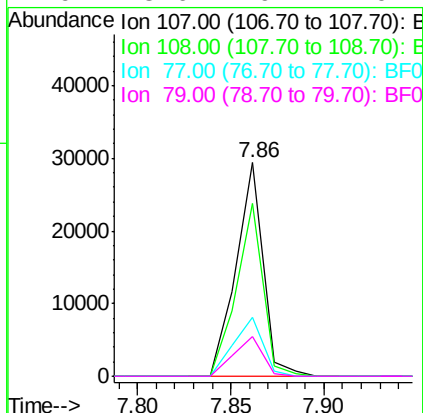
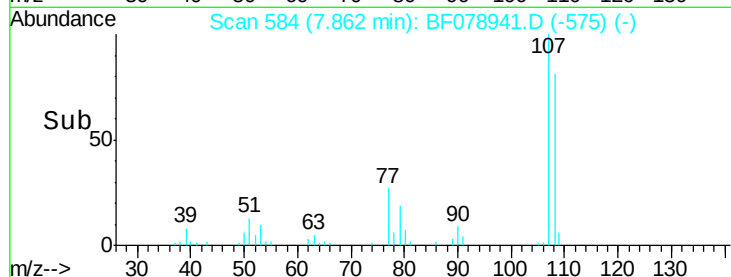
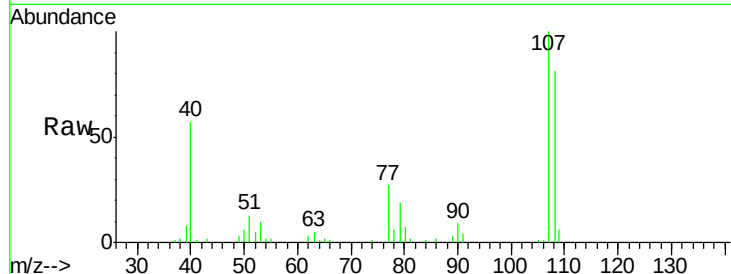




#20
3+4-Methylphenols
Concen: 6.21 ng
RT: 7.86 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

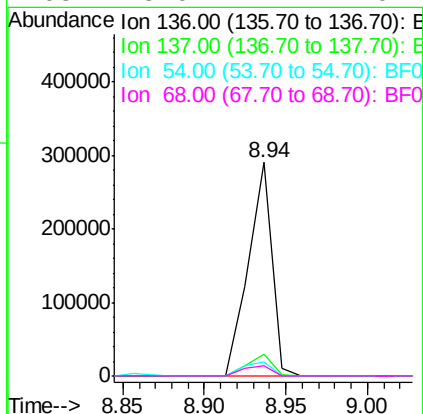
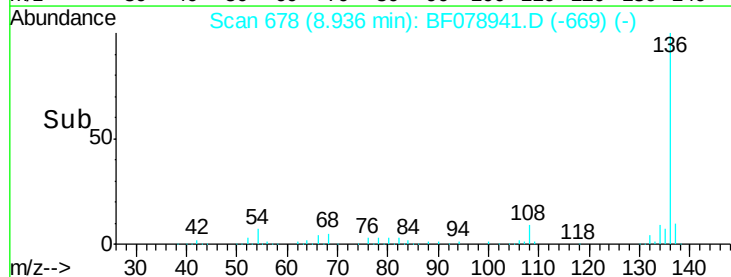
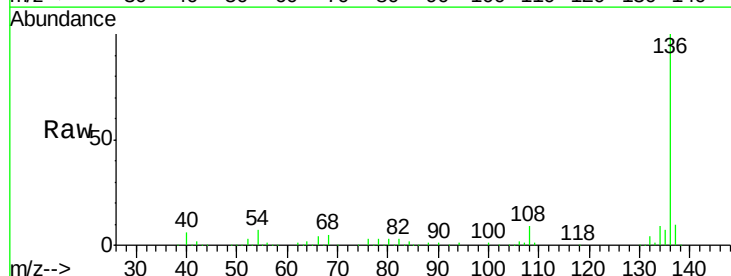
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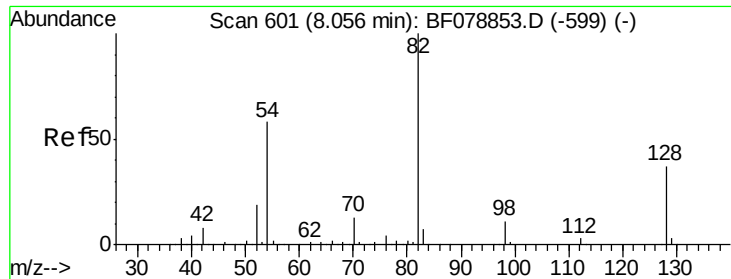
Tgt Ion:	107	Resp:	29909
Ion	Ratio	Lower	Upper
107	100		
108	81.1	76.9	116.9
77	27.5	136.8	176.8#
79	18.6	9.7	49.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.94 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

Tgt Ion:	136	Resp:	291334
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	6.5	5.8	8.8
68	5.0	4.2	6.4

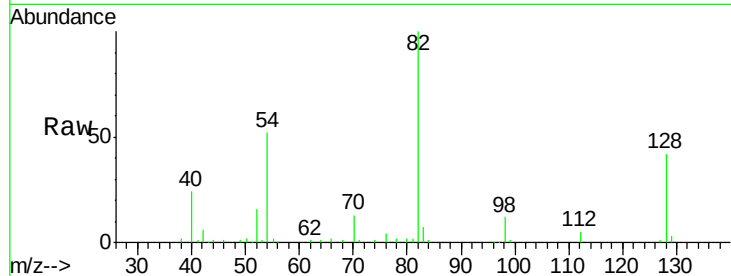




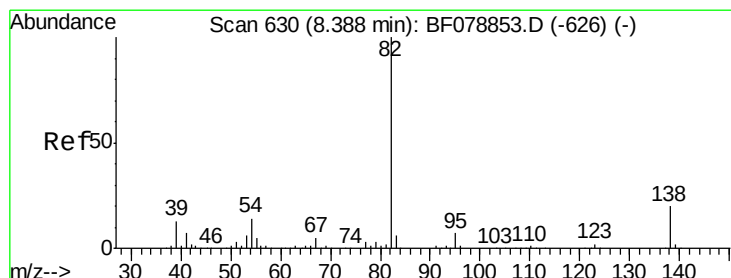
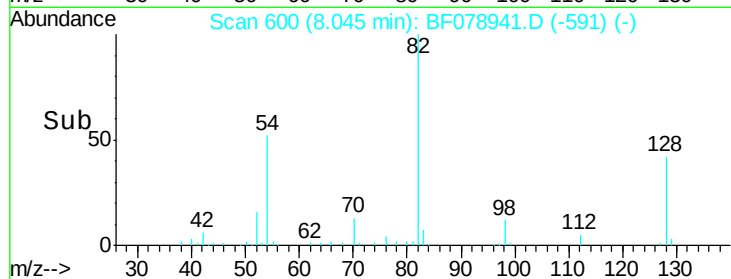
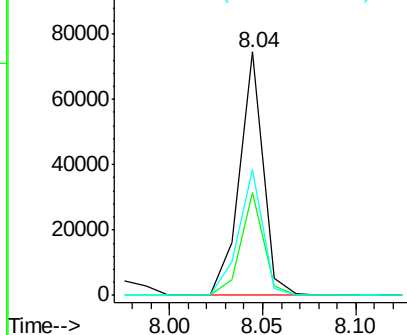
#23
 Nitrobenzene-d5
 Concen: 13.01 ng
 RT: 8.04 min Scan# 600
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.2	30.0	45.0
54	51.7	46.4	69.6

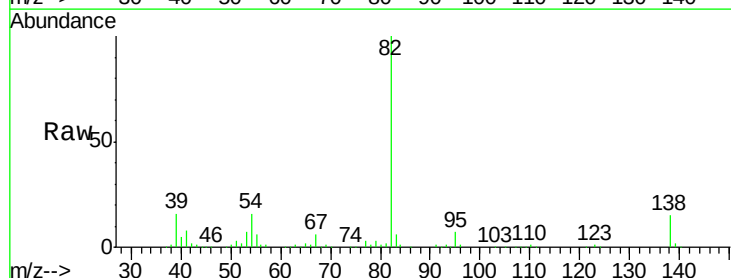


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

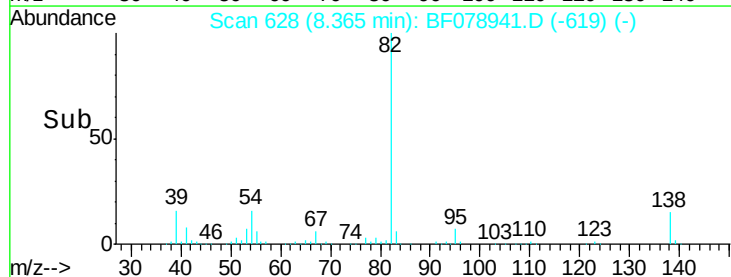
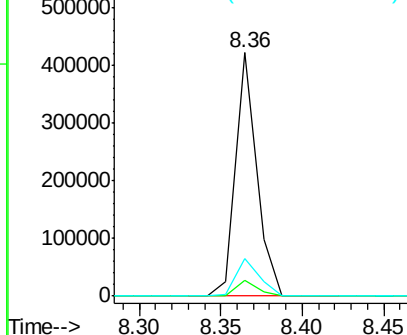


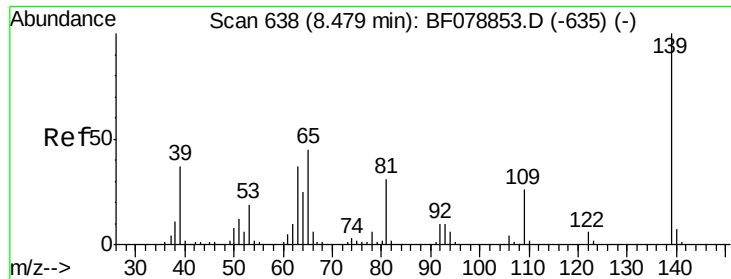
#25
 Isophorone
 Concen: 39.89 ng
 RT: 8.36 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.3	7.9
138	15.3	12.0	18.0



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

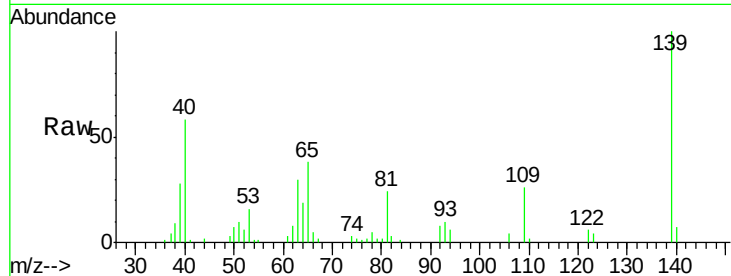




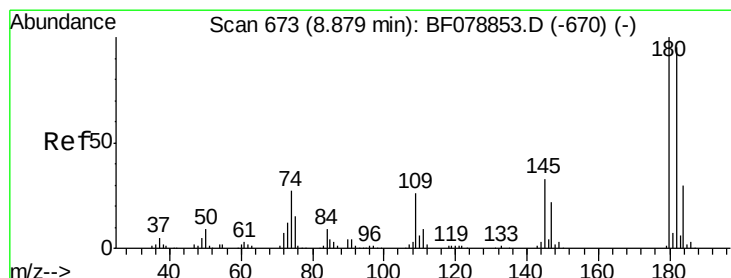
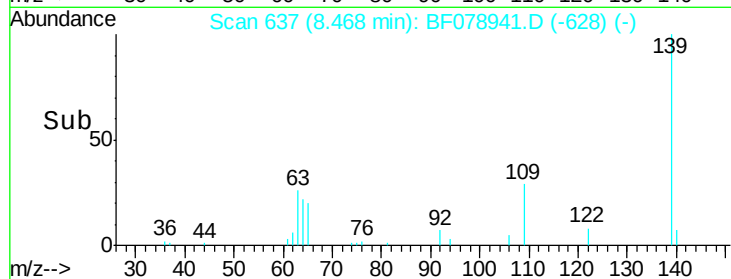
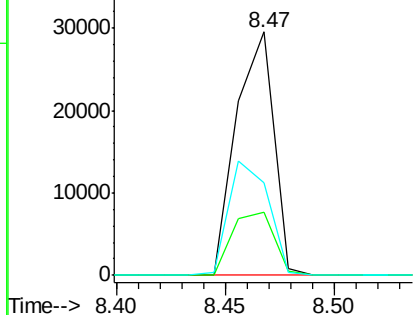
#26
 2-Nitrophenol
 Concen: 17.04 ng
 RT: 8.47 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Tgt Ion:139 Resp: 35434
 Ion Ratio Lower Upper
 139 100
 109 25.9 21.0 31.4
 65 38.1 30.5 45.7

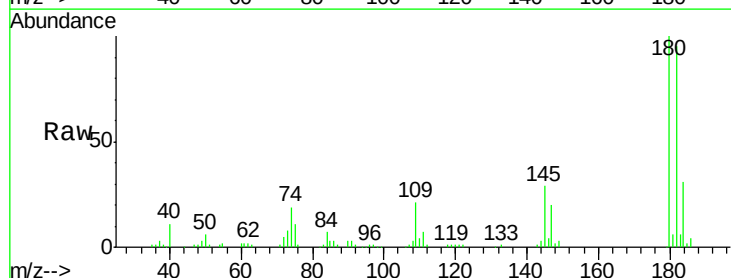


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): E

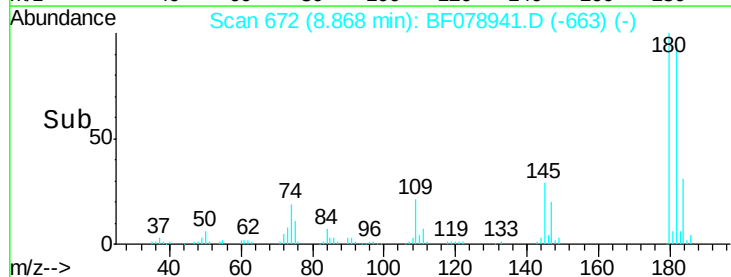
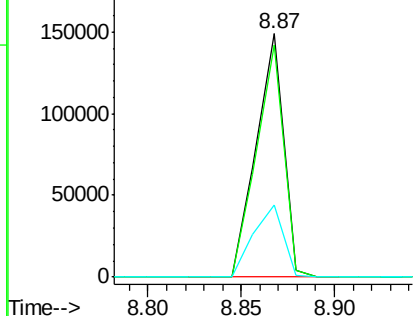


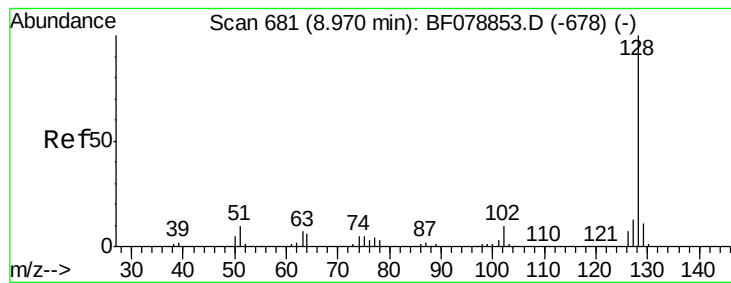
#30
 1,2,4-Trichlorobenzene
 Concen: 37.18 ng
 RT: 8.87 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Tgt Ion:180 Resp: 151125
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.9 118.3
 145 29.4 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: 30.35 ng

RT: 8.96 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

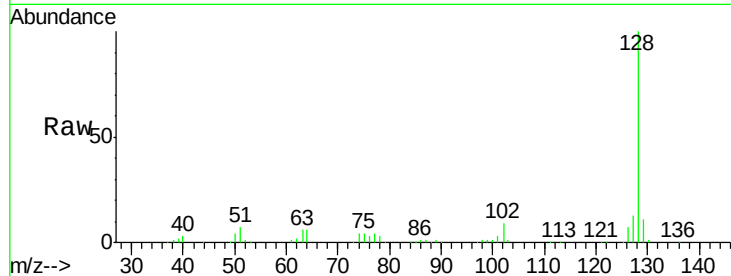
Tgt Ion:128 Resp: 421312

Ion Ratio Lower Upper

128 100

129 10.8 9.3 13.9

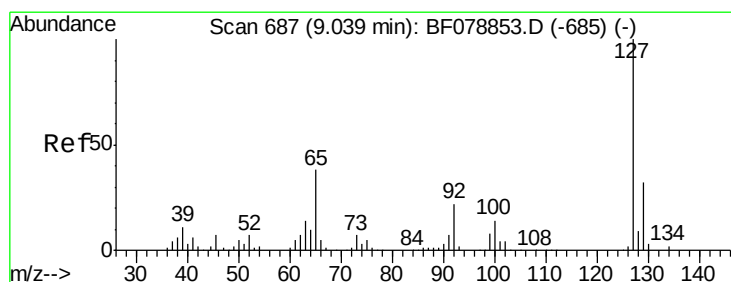
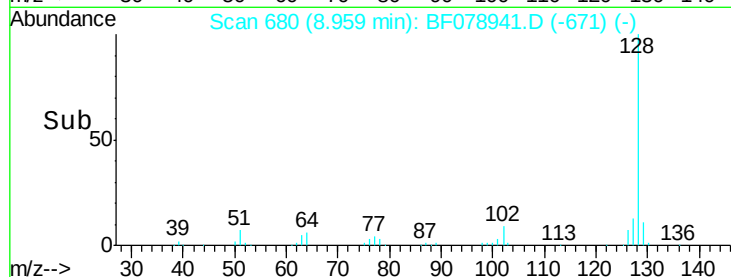
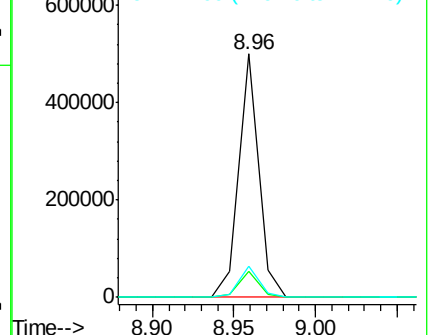
127 13.0 10.7 16.1



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: 8.49 ng

RT: 8.96 min Scan# 680

Delta R.T. -0.07 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Tgt Ion:127 Resp: 49885

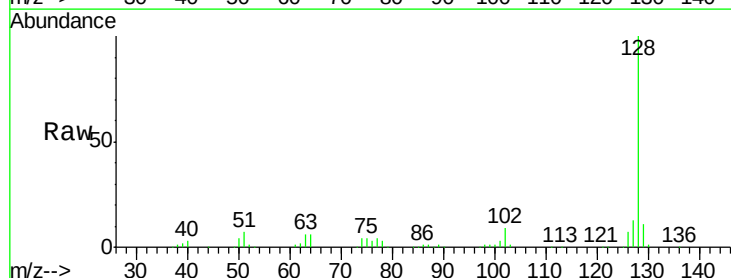
Ion Ratio Lower Upper

127 100

129 82.9 25.8 38.8#

65 0.0 25.8 38.6#

92 0.0 15.5 23.3#

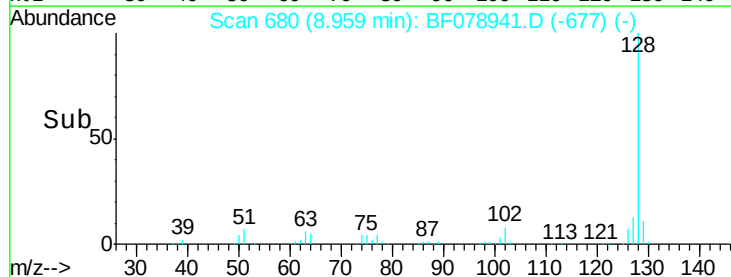
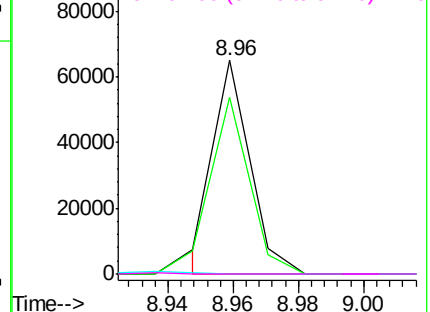


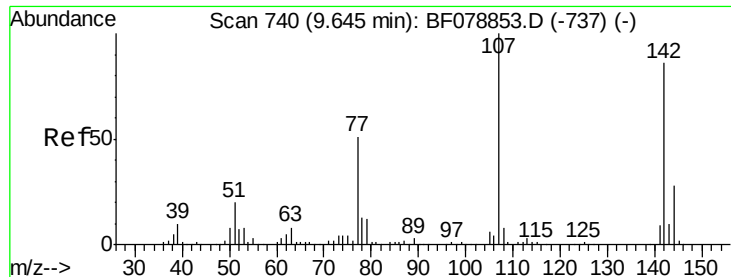
Abundance Ion 127.00 (126.70 to 127.70): E

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

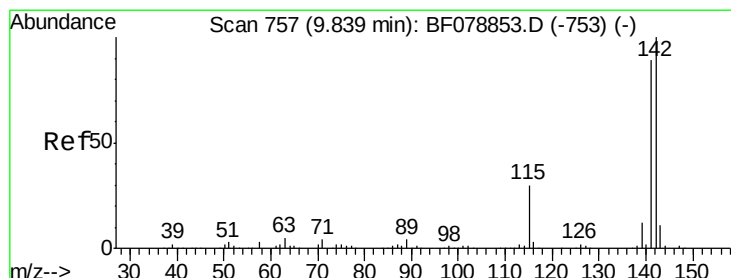
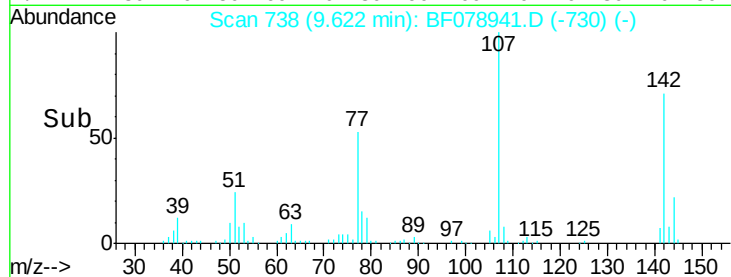
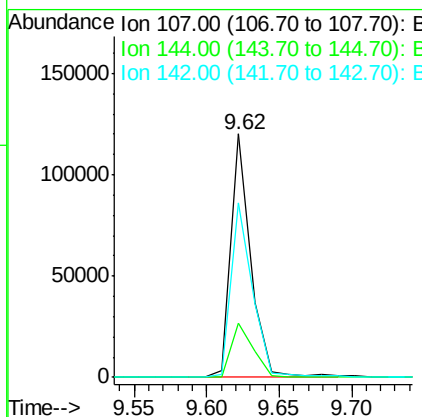
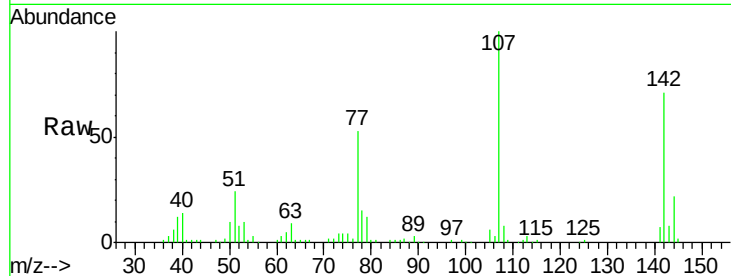




#36
 4-Chloro-3-methylphenol
 Concen: 29.68 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

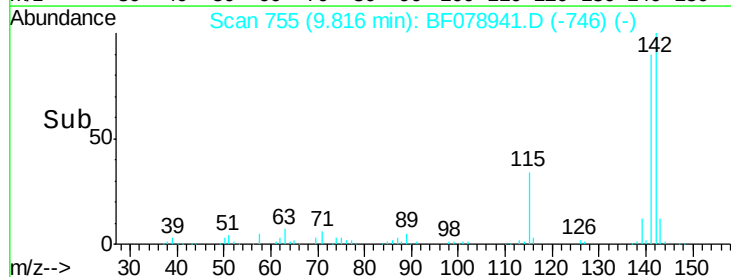
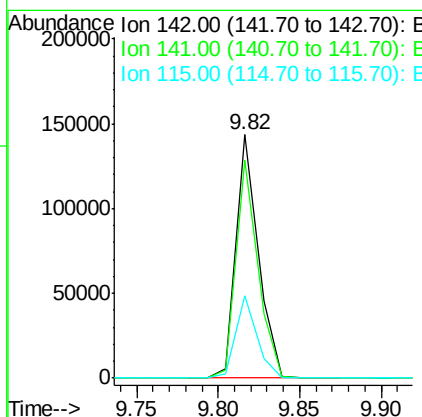
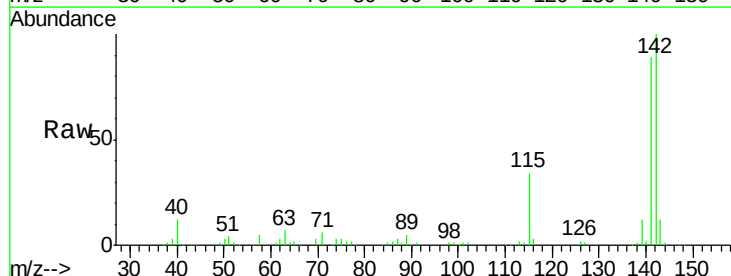
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

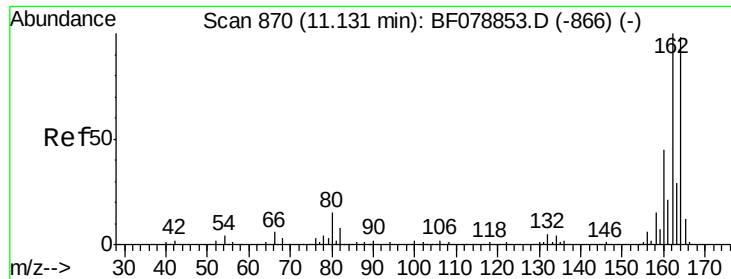
Tgt Ion:107 Resp: 115363
 Ion Ratio Lower Upper
 107 100
 144 22.1 19.8 29.6
 142 71.5 60.6 91.0



#37
 2-Methylnaphthalene
 Concen: 13.96 ng
 RT: 9.82 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Tgt Ion:142 Resp: 134308
 Ion Ratio Lower Upper
 142 100
 141 89.4 70.9 106.3
 115 33.6 28.5 42.7

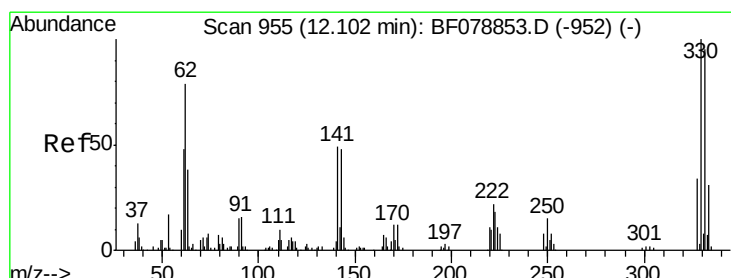
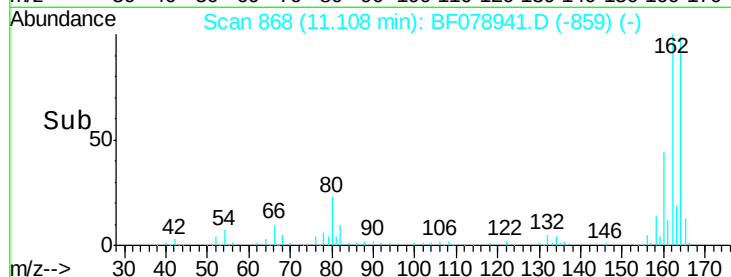
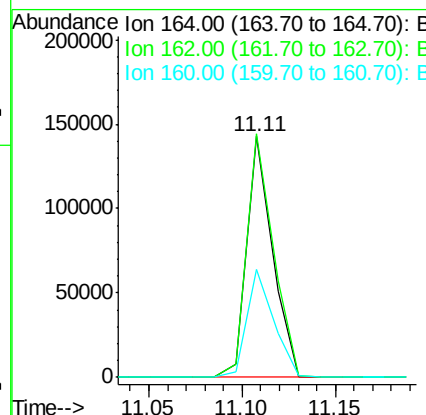
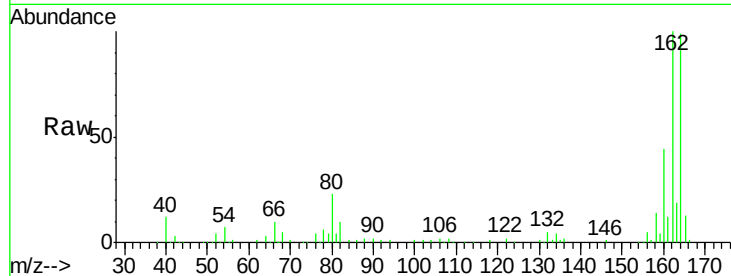




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

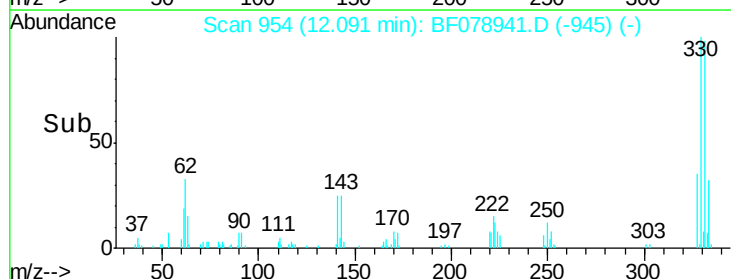
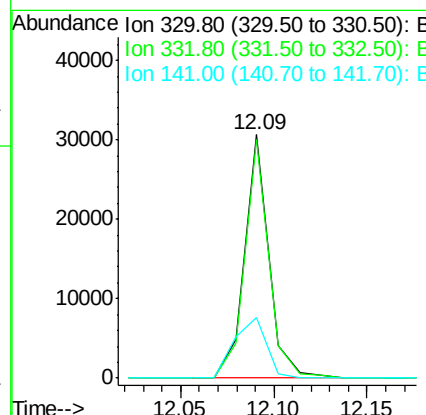
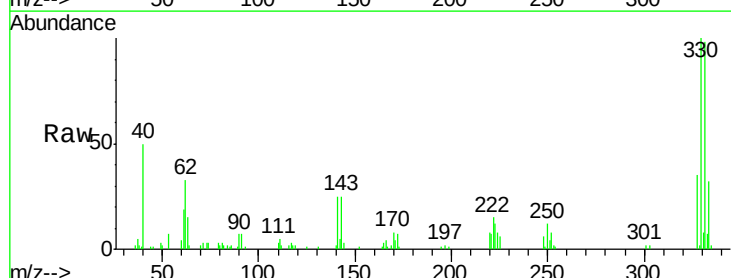
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

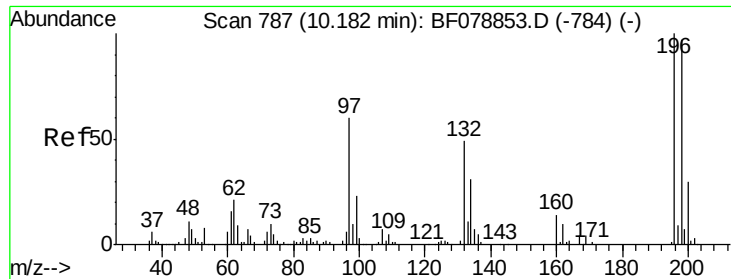
Tgt Ion:164 Resp: 138131
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.7 124.1
 160 44.8 35.8 53.8



#41
 2,4,6-Tribromophenol
 Concen: 18.64 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Tgt Ion:330 Resp: 27855
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 32.8 0.0 0.0#

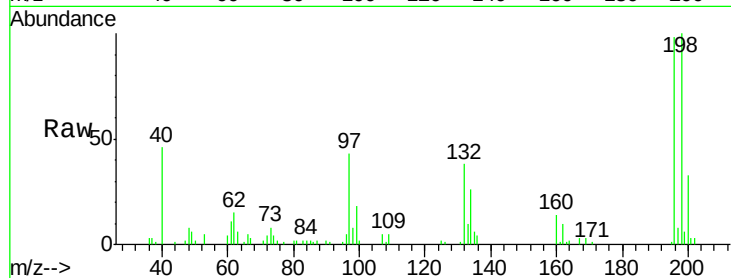




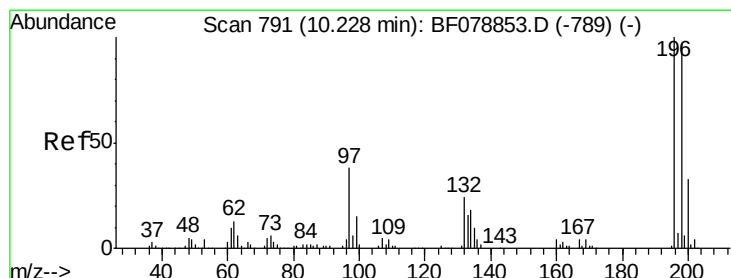
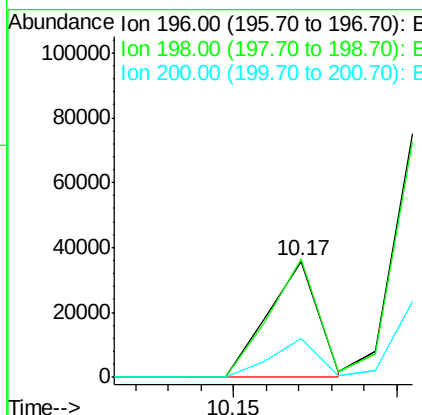
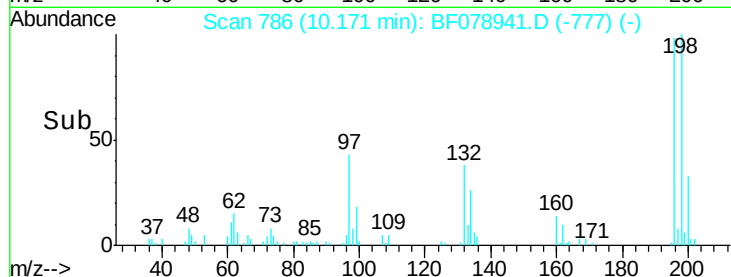
#42
 2,4,6-Trichlorophenol
 Concen: 14.18 ng
 RT: 10.17 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Instrument :
 BNA_F
 ClientSampleID :
 PT-BNA-SOILD

Tgt Ion:196 Resp: 37929
 Ion Ratio Lower Upper
 196 100
 198 102.0 80.5 120.7
 200 33.4 24.9 37.3

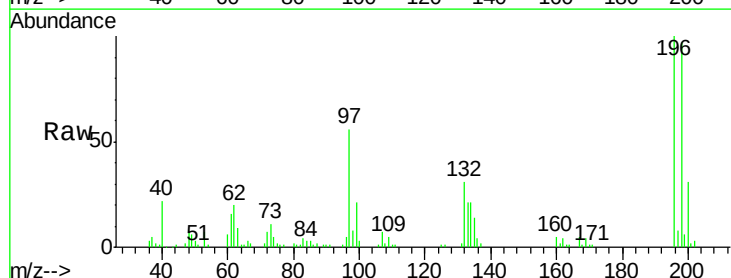


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

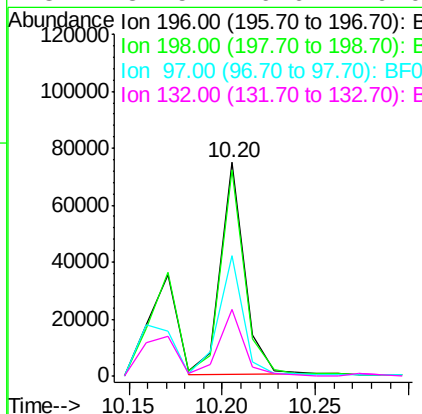
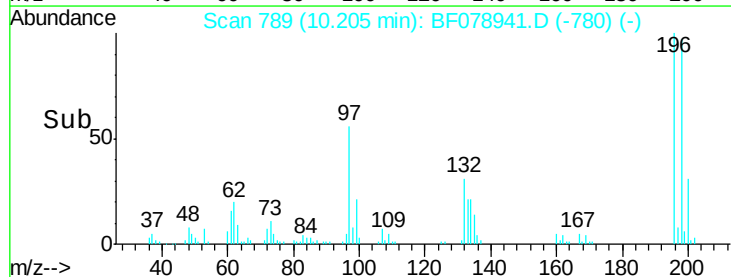


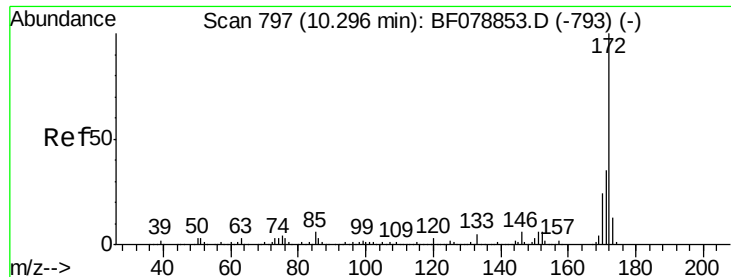
#43
 2,4,5-Trichlorophenol
 Concen: 25.05 ng
 RT: 10.20 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Tgt Ion:196 Resp: 67731
 Ion Ratio Lower Upper
 196 100
 198 96.7 79.8 119.6
 97 56.3 46.0 69.0
 132 31.5 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

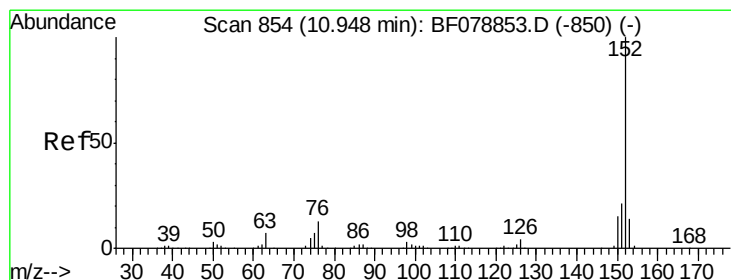
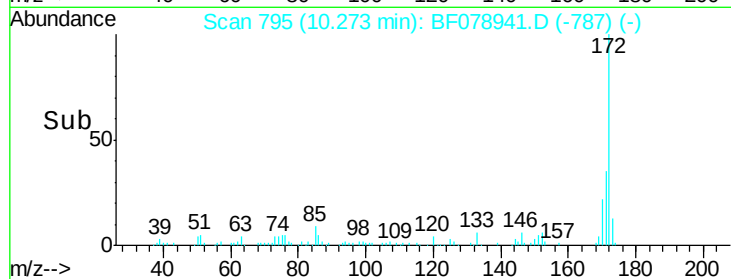
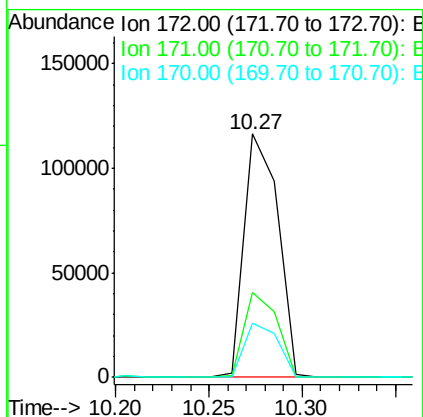
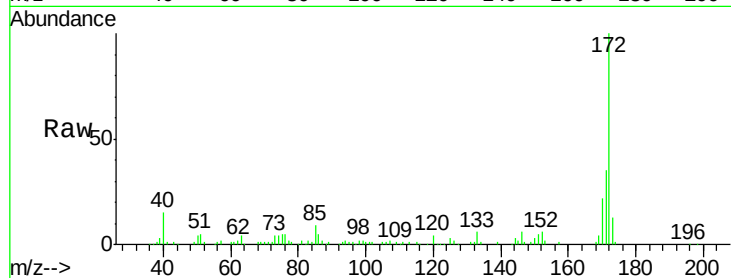




#44
2-Fluorobiphenyl
Concen: 14.78 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

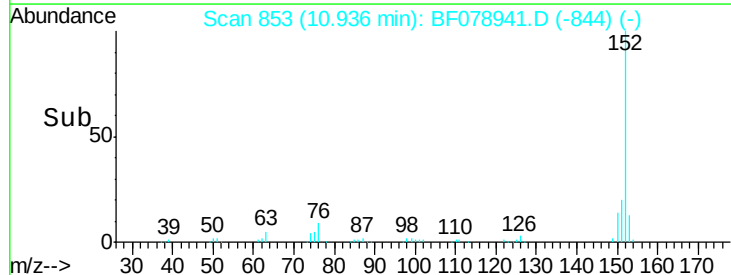
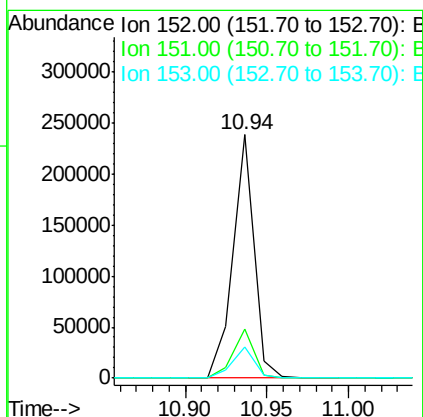
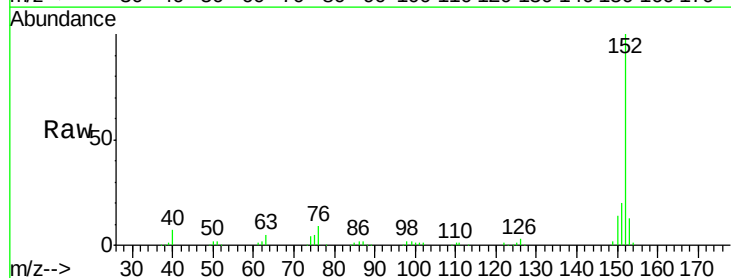
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

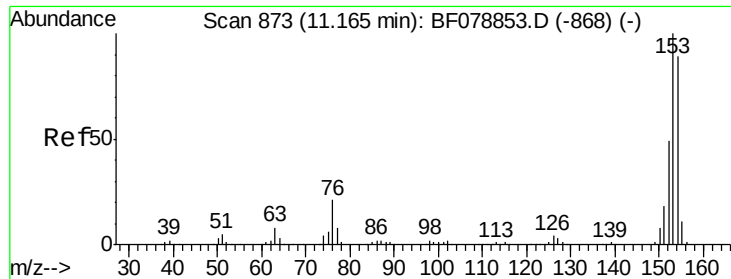
Tgt Ion:172 Resp: 146500
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 22.3 19.4 29.0



#48
Acenaphthylene
Concen: 15.13 ng
RT: 10.94 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

Tgt Ion:152 Resp: 212823
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 12.7 10.9 16.3





#51

Acenaphthene

Concen: 34.55 ng

RT: 11.15 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

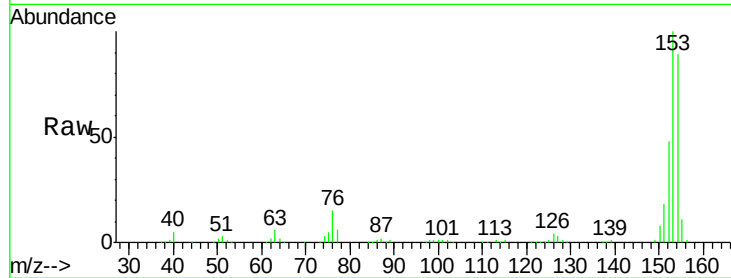
Tgt Ion:154 Resp: 289769

Ion Ratio Lower Upper

154 100

153 112.3 91.5 137.3

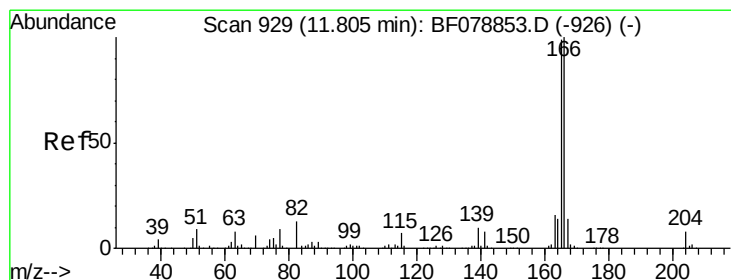
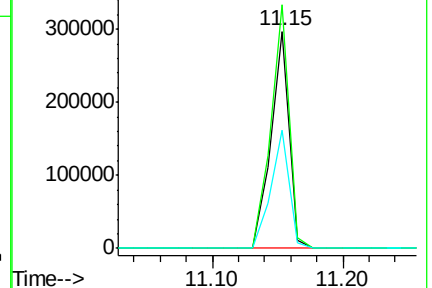
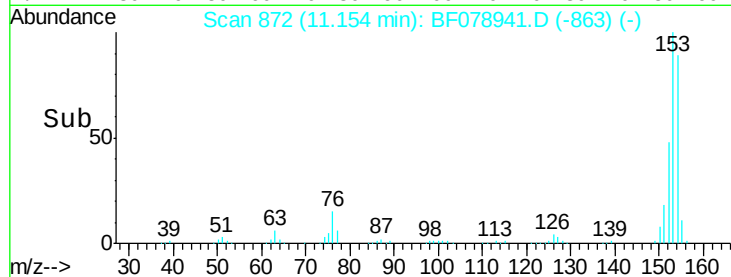
152 54.3 44.2 66.4



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: 13.02 ng

RT: 11.79 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

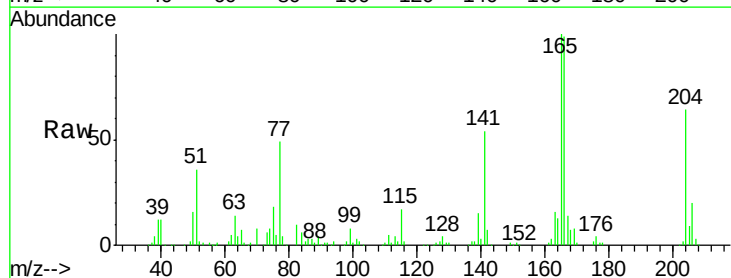
Tgt Ion:166 Resp: 129511

Ion Ratio Lower Upper

166 100

165 101.2 78.5 117.7

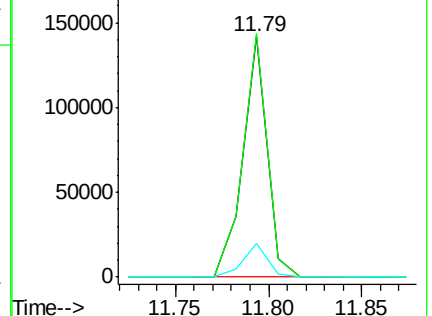
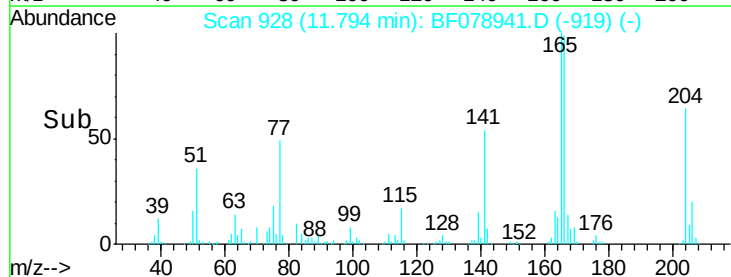
167 13.8 11.0 16.6

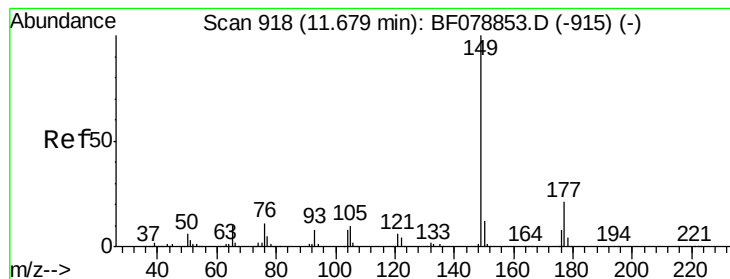


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 22.89 ng

RT: 11.66 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

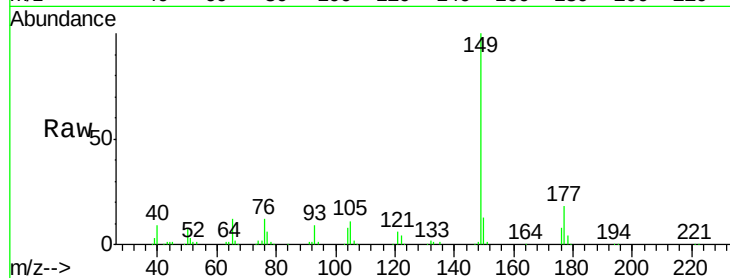
Tgt Ion:149 Resp: 229946

Ion Ratio Lower Upper

149 100

177 18.4 17.5 26.3

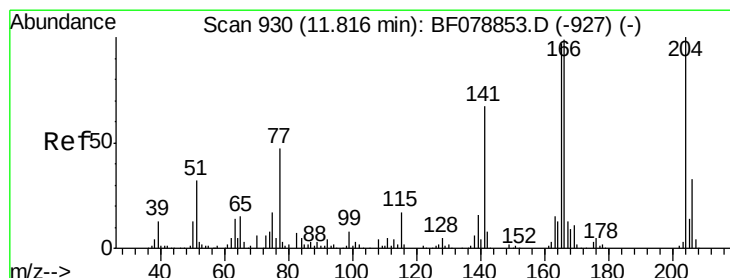
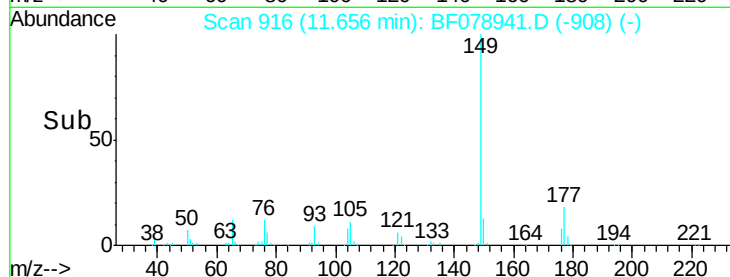
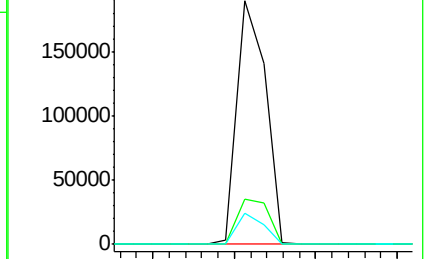
150 12.7 9.6 14.4



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: 33.02 ng

RT: 11.81 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

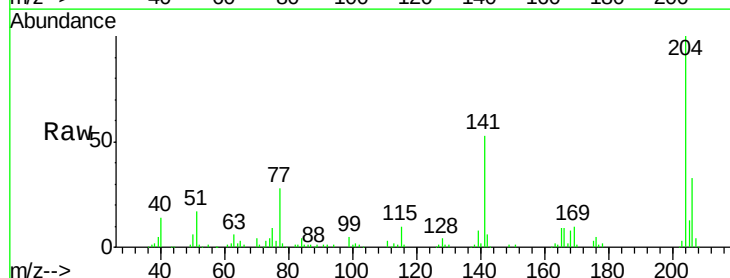
Tgt Ion:204 Resp: 145632

Ion Ratio Lower Upper

204 100

206 33.0 26.9 40.3

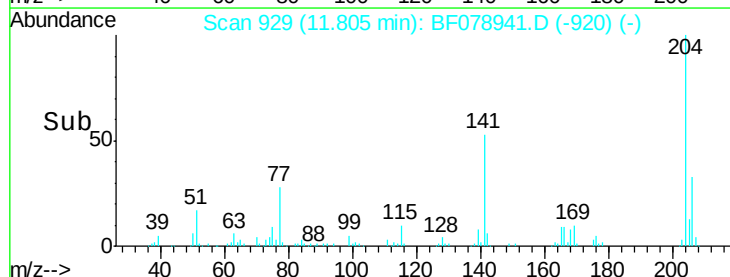
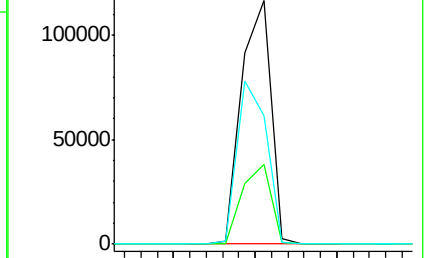
141 52.7 48.3 72.5

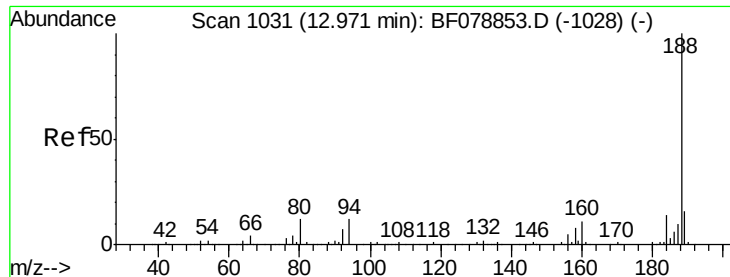


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

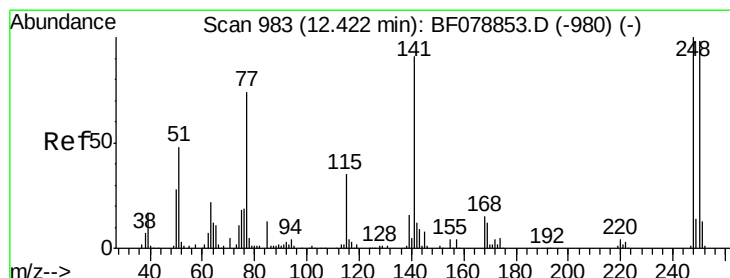
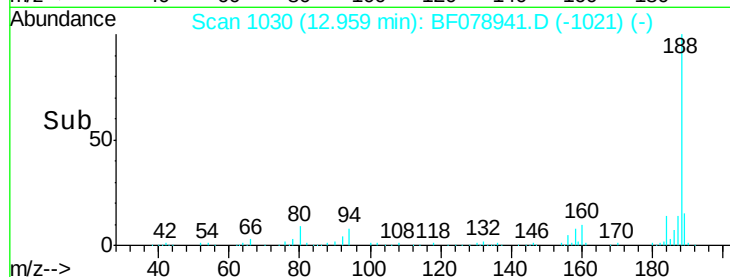
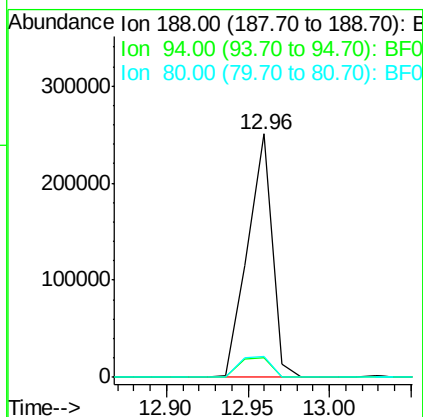
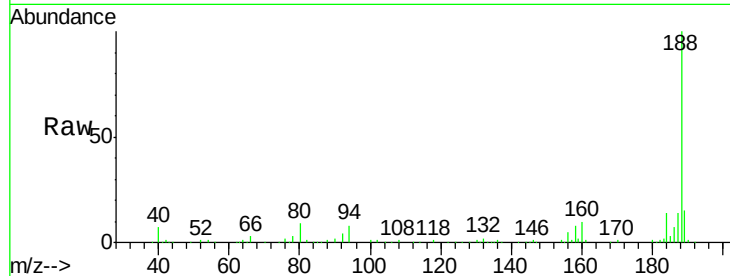




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.96 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

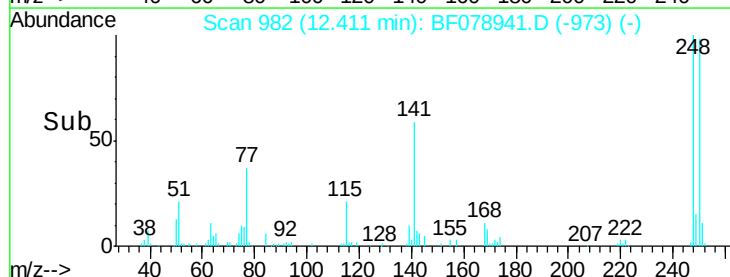
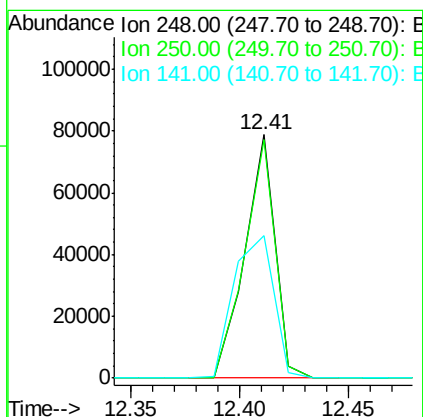
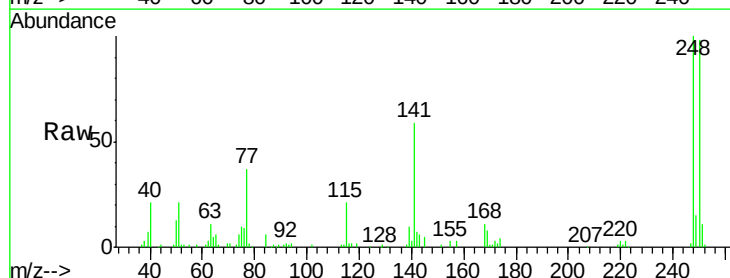
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

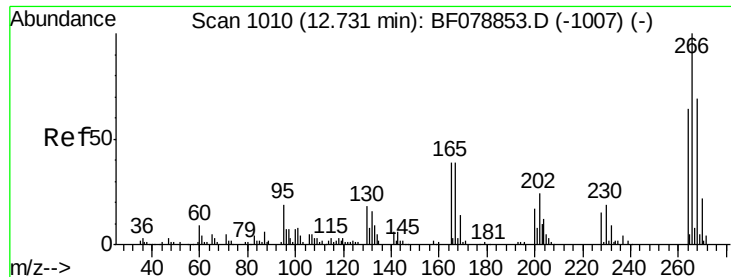
Tgt Ion:188 Resp: 262685
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.2
80 8.8 8.9 13.3#



#66
4-Bromophenyl-phenylether
Concen: 27.69 ng
RT: 12.41 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

Tgt Ion:248 Resp: 75811
Ion Ratio Lower Upper
248 100
250 97.9 77.1 115.7
141 58.7 58.8 88.2#

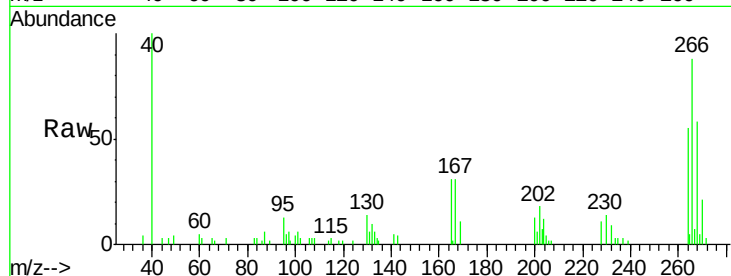




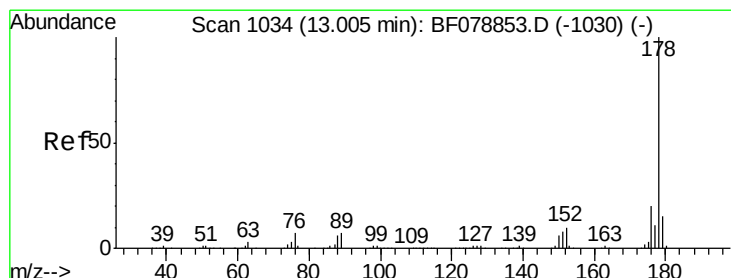
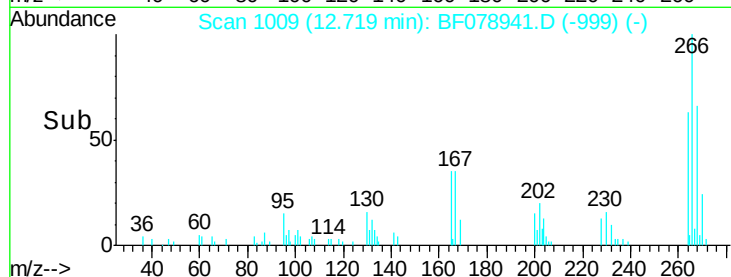
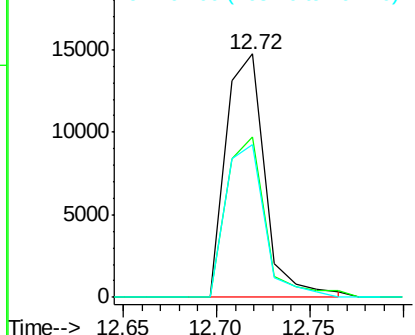
#69
 Pentachlorophenol
 Concen: 17.64 ng
 RT: 12.72 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Tgt Ion: 266 Resp: 21619
 Ion Ratio Lower Upper
 266 100
 268 65.9 55.0 82.6
 264 62.8 48.2 72.2

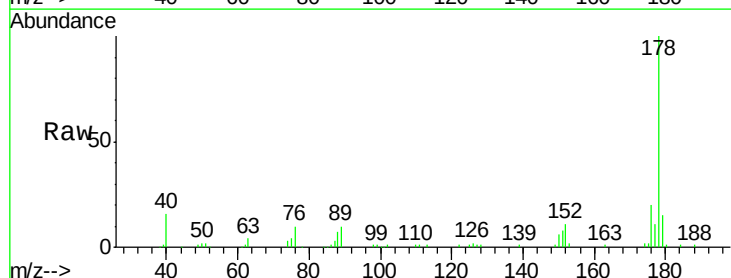


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

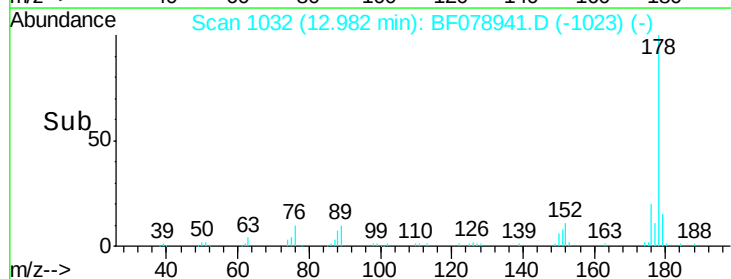
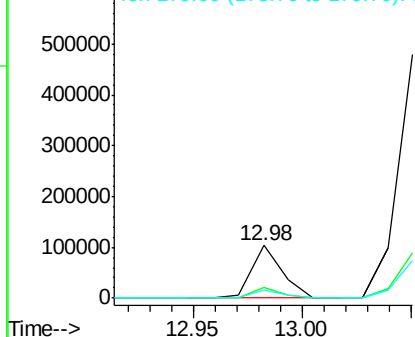


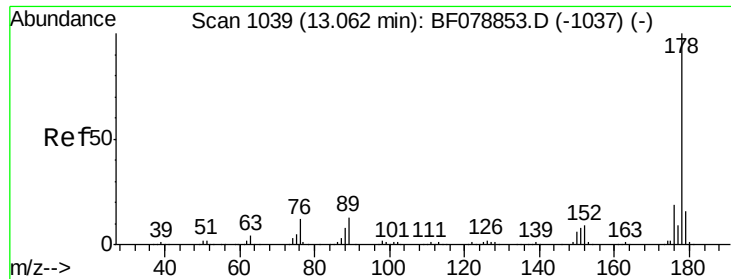
#70
 Phenanthrene
 Concen: 6.85 ng
 RT: 12.98 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Tgt Ion: 178 Resp: 100736
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.3 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

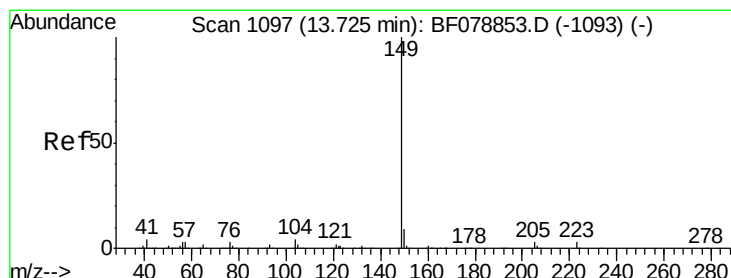
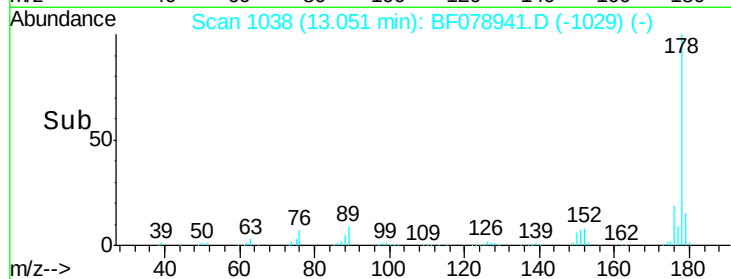
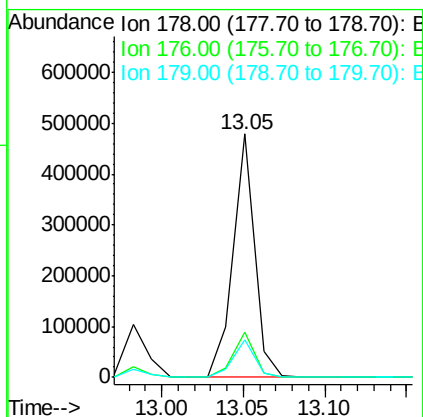
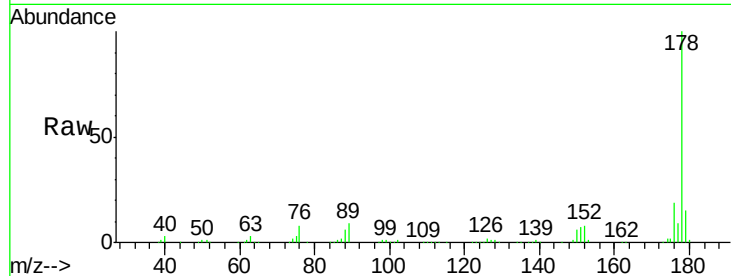




#71
 Anthracene
 Concen: 30.11 ng
 RT: 13.05 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

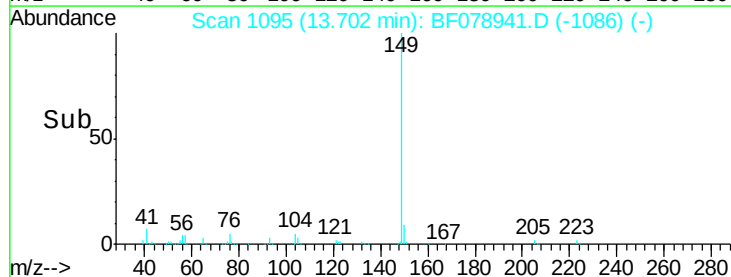
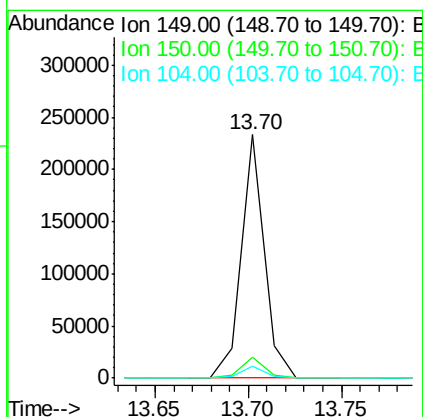
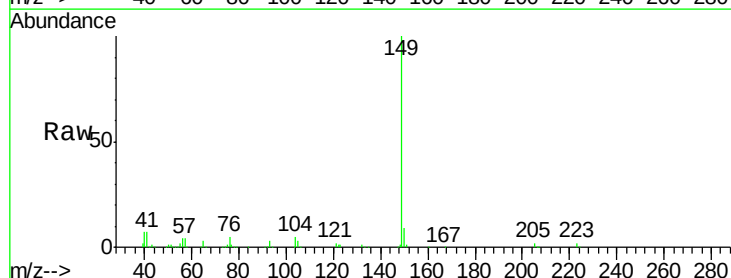
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

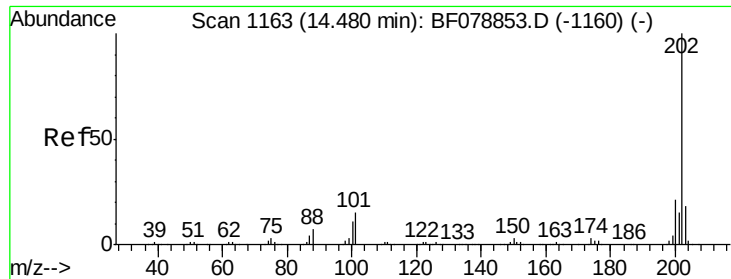
Tgt Ion:178 Resp: 434046
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 15.5 12.7 19.1



#73
 Di-n-butylphthalate
 Concen: 12.23 ng
 RT: 13.70 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: BF078941.D
 Acq: 5 May 2015 15:33

Tgt Ion:149 Resp: 201468
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.7 11.5
 104 4.8 4.6 7.0

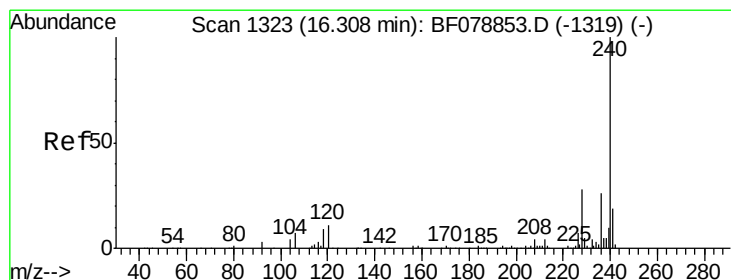
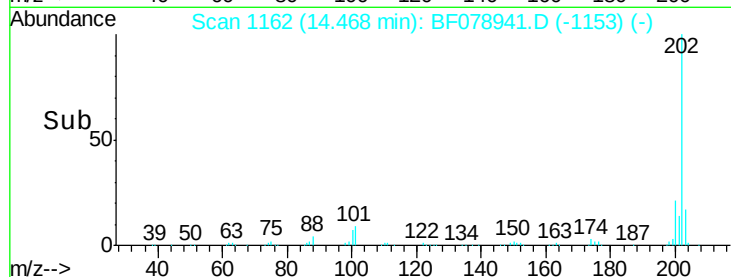
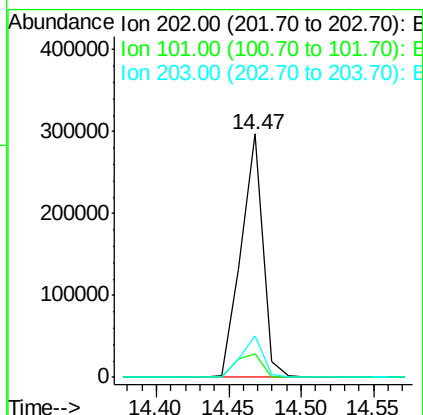
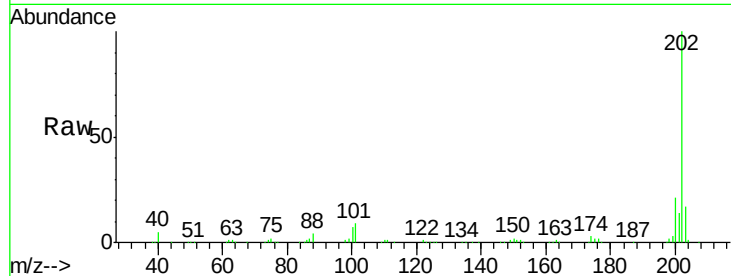




#74
Fluoranthene
Concen: 20.28 ng
RT: 14.47 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

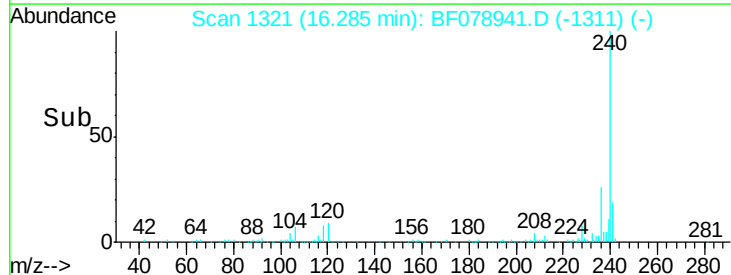
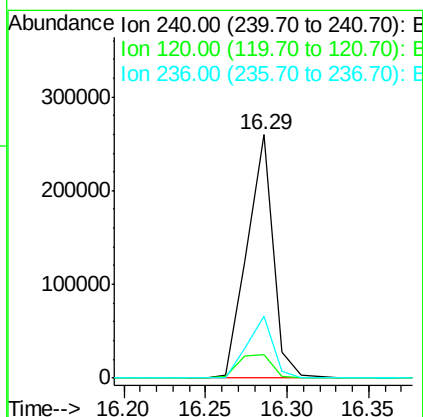
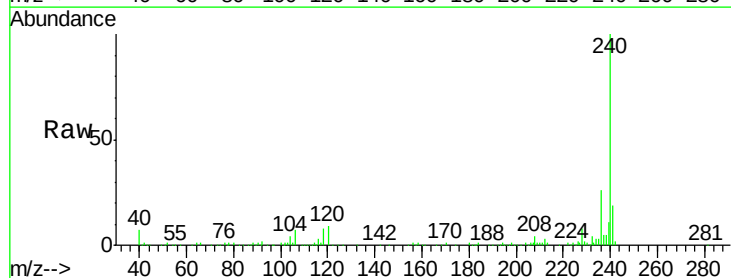
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

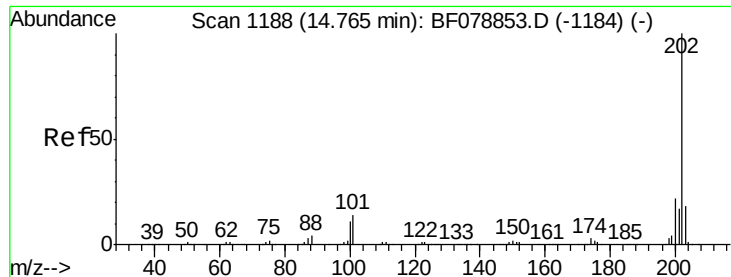
Tgt Ion:	202	Resp:	310591
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	34.6
203	16.9	0.0	38.4



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.29 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

Tgt Ion:	240	Resp:	289021
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.7	14.5#
236	25.6	20.2	30.4





#77

Pyrene

Concen: 14.93 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

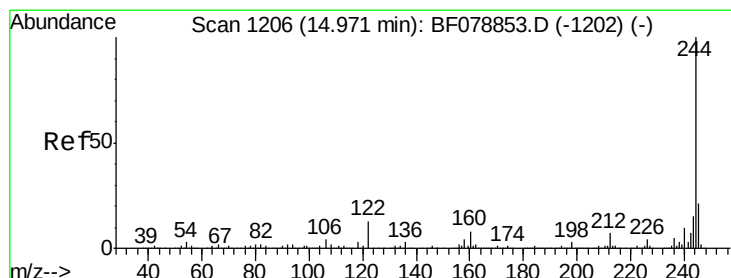
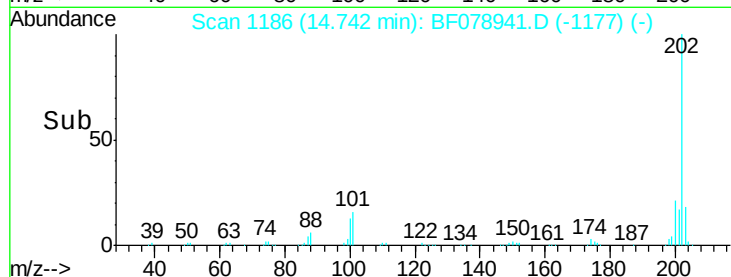
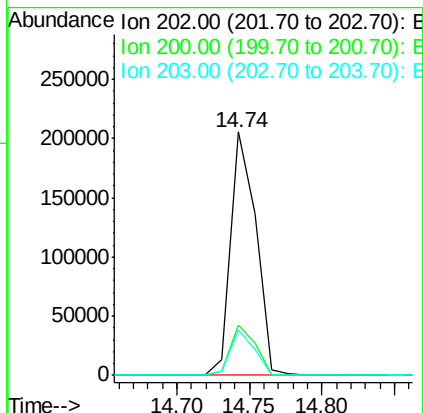
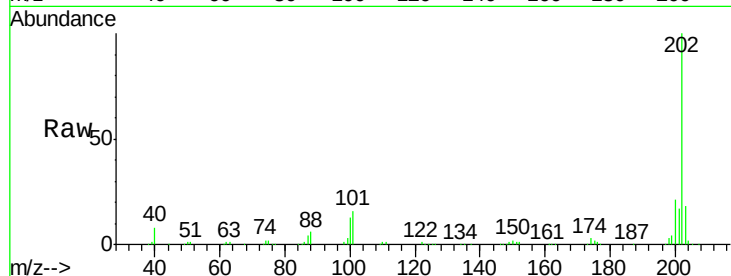
Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

Tgt Ion:	202	Resp:	248693
Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.5	26.3
203	18.3	13.9	20.9



#78

Terphenyl-d14

Concen: 13.94 ng

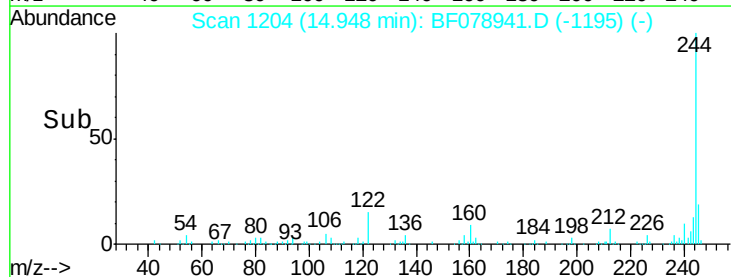
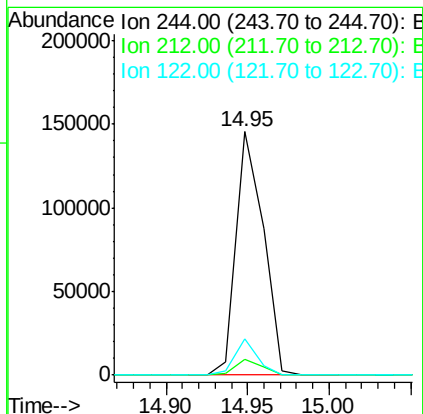
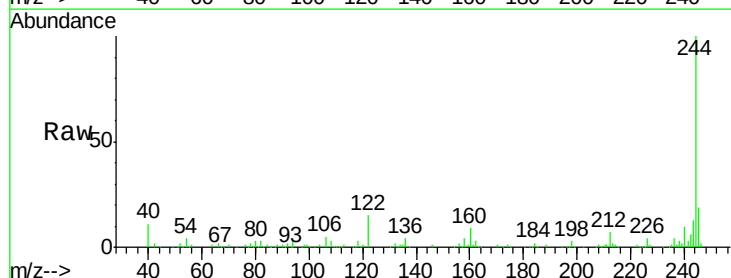
RT: 14.95 min Scan# 1204

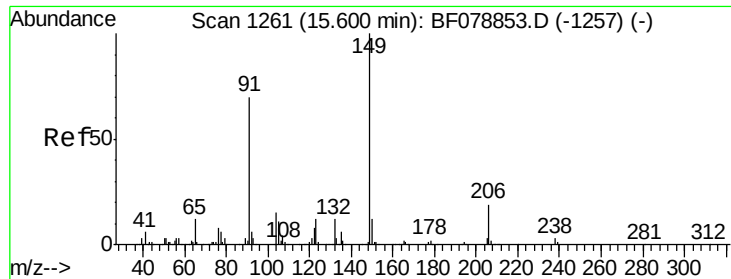
Delta R.T. -0.00 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Tgt Ion:	244	Resp:	168259
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	14.7	10.3	15.5

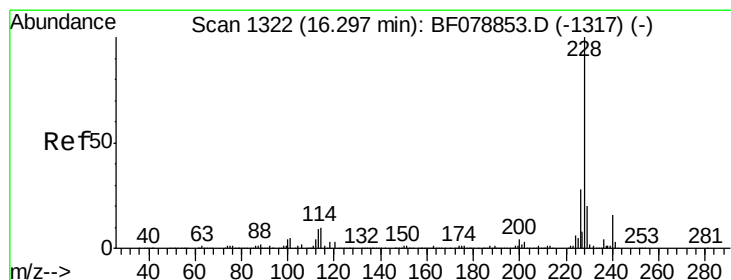
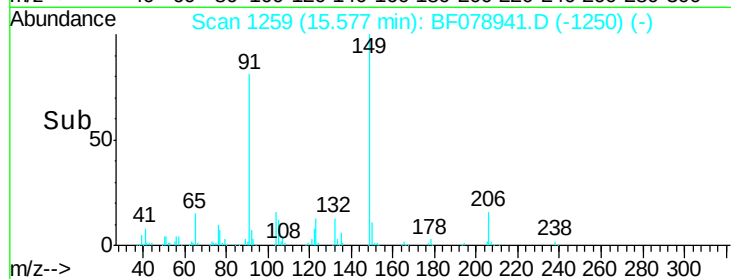
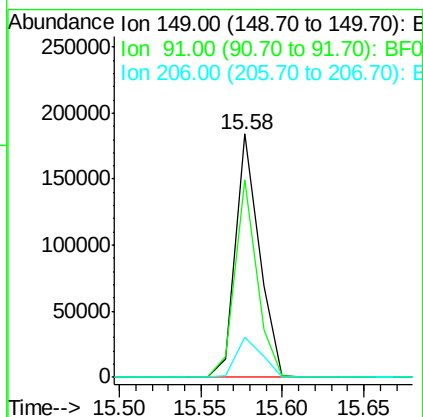
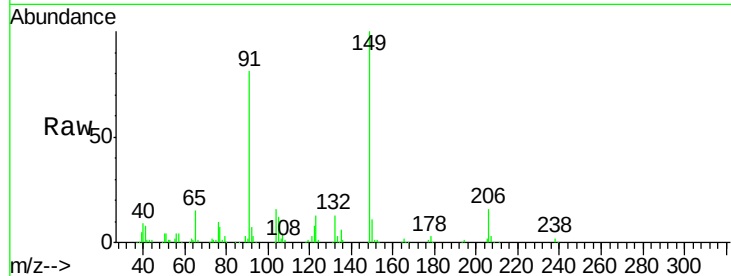




#79
Butylbenzylphthalate
Concen: 25.29 ng
RT: 15.58 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

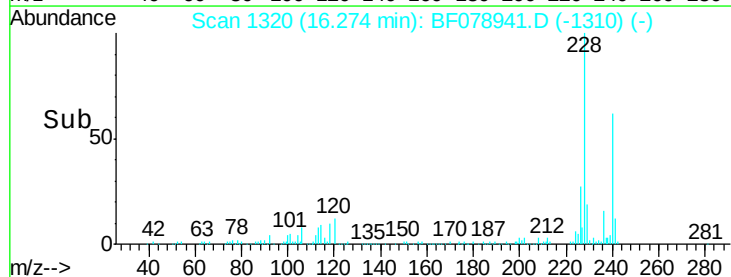
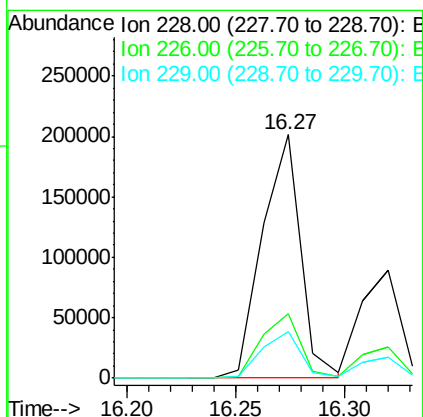
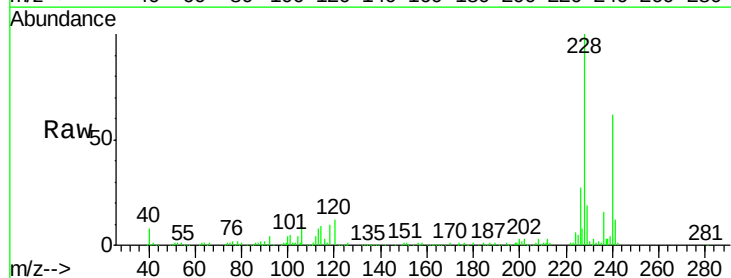
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

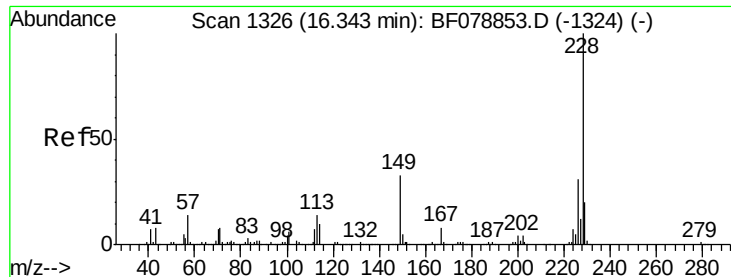
Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.0	64.6	97.0
206	16.5	12.2	18.4



#80
Benzo(a)anthracene
Concen: 15.68 ng
RT: 16.27 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF078941.D
Acq: 5 May 2015 15:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	18.9	15.9	23.9





#82

Chrysene

Concen: 7.45 ng

RT: 16.32 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

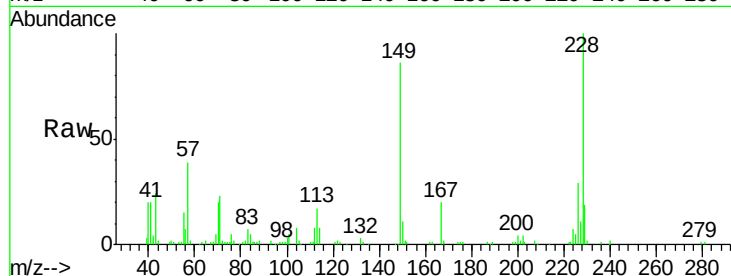
Tgt Ion:228 Resp: 113422

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

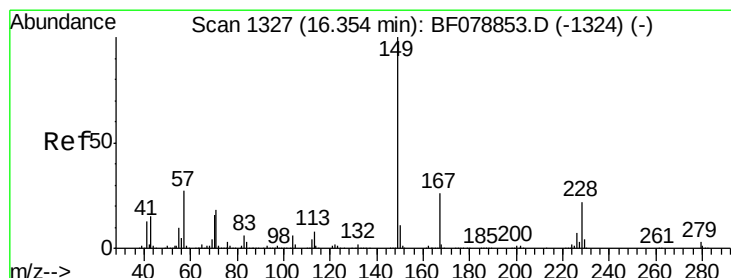
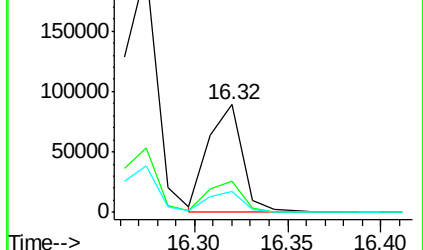
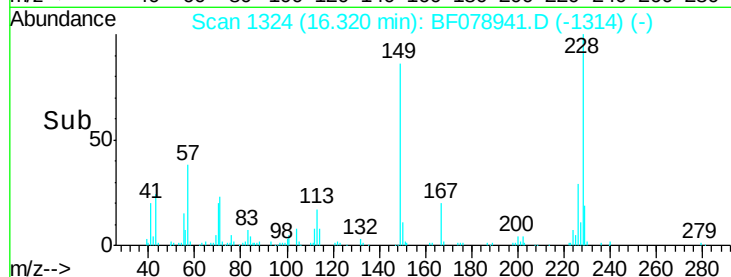
229 19.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 15.65 ng

RT: 16.33 min Scan# 1325

Delta R.T. 0.02 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

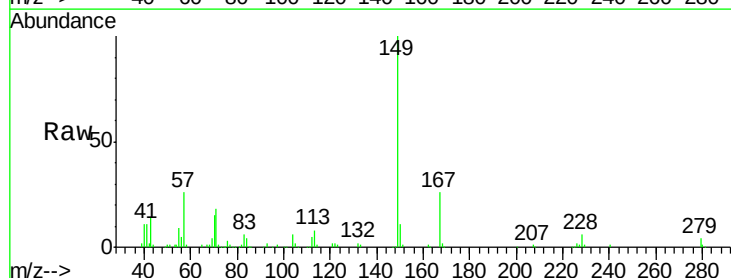
Tgt Ion:149 Resp: 172576

Ion Ratio Lower Upper

149 100

167 25.9 21.8 32.8

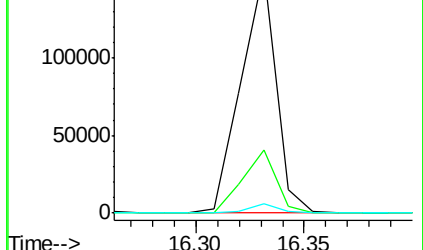
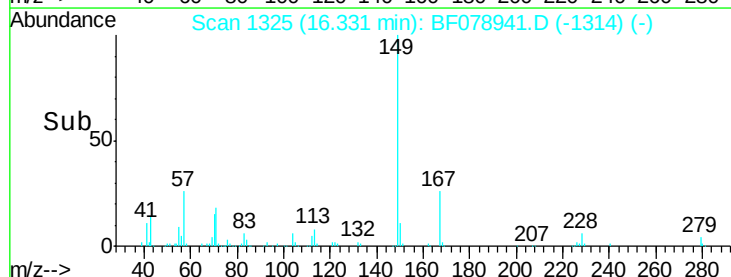
279 3.6 2.9 4.3

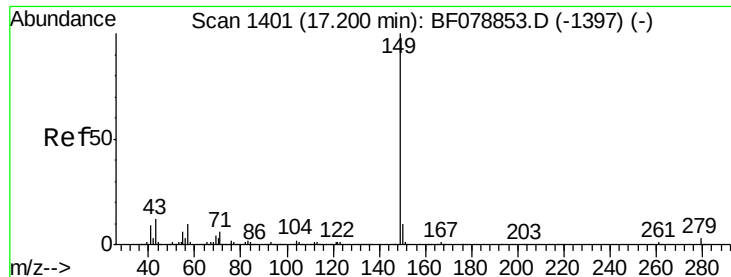


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 14.19 ng

RT: 17.18 min Scan# 1399

Delta R.T. 0.03 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

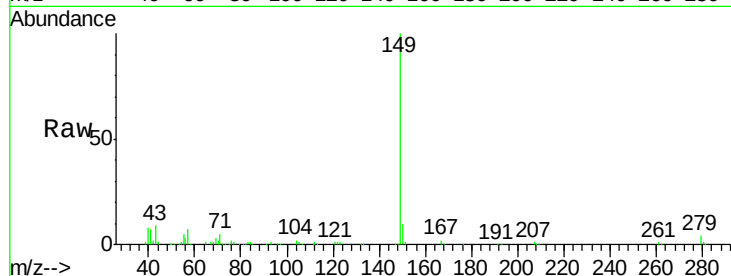
Tgt Ion:149 Resp: 275533

Ion Ratio Lower Upper

149 100

167 1.4 0.0 0.0#

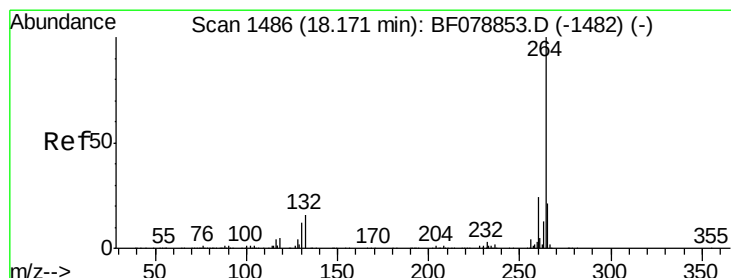
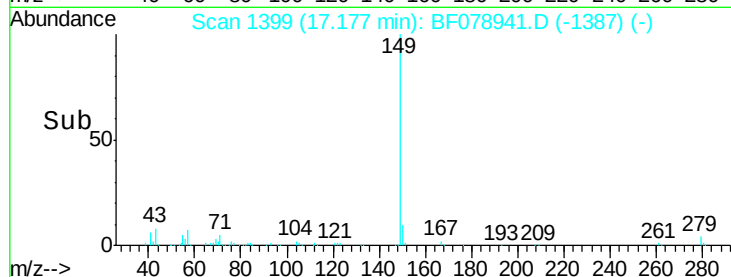
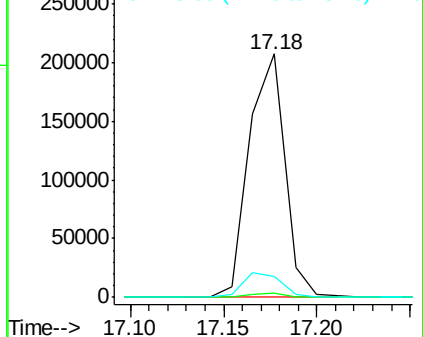
43 11.8 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.14 min Scan# 1483

Delta R.T. 0.05 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

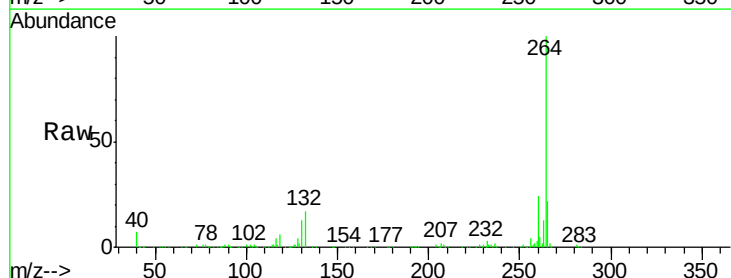
Tgt Ion:264 Resp: 310870

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

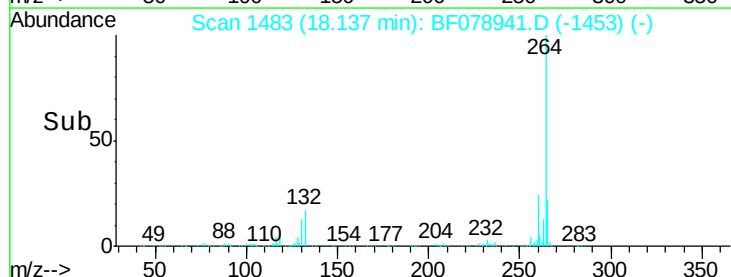
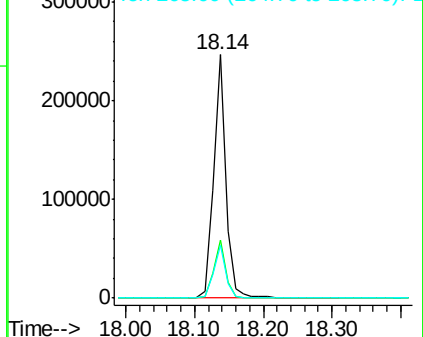
265 21.7 18.3 27.5

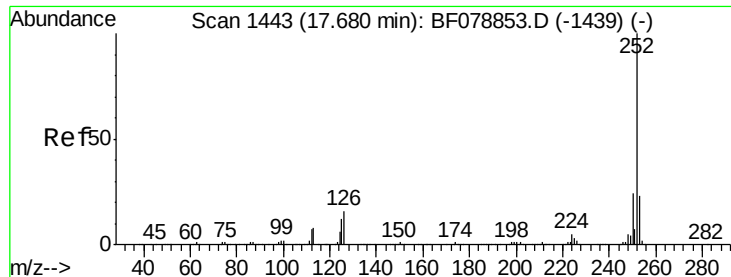


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 31.43 ng

RT: 17.69 min Scan# 1444

Delta R.T. 0.08 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Instrument :

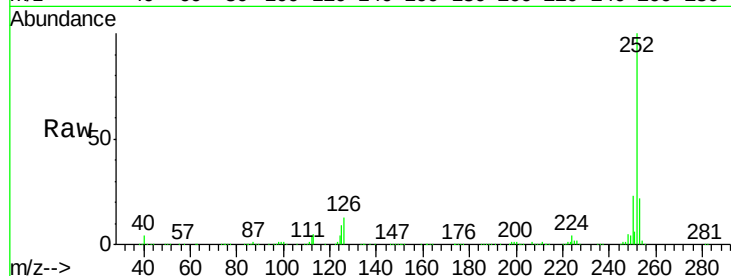
BNA_F

ClientSampleId :

PT-BNA-SOILDL

Tgt Ion:252 Resp: 534797

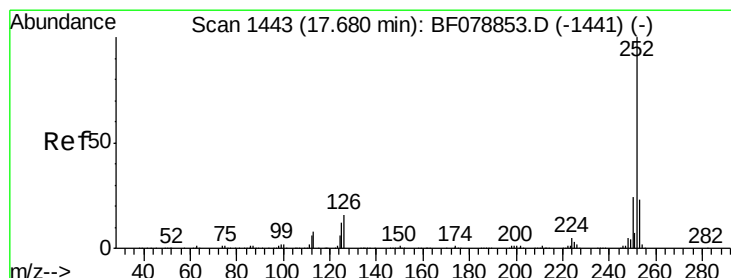
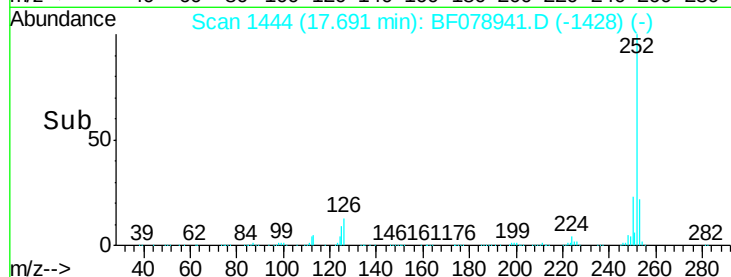
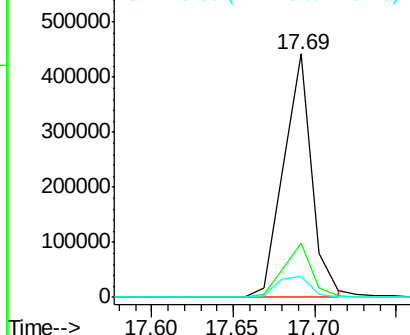
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	8.7	9.5	14.3#



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



#88

Benzo(k)fluoranthene

Concen: 33.03 ng

RT: 17.69 min Scan# 1444

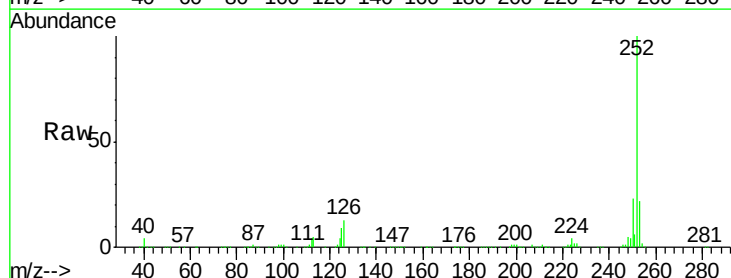
Delta R.T. 0.03 min

Lab File: BF078941.D

Acq: 5 May 2015 15:33

Tgt Ion:252 Resp: 544123

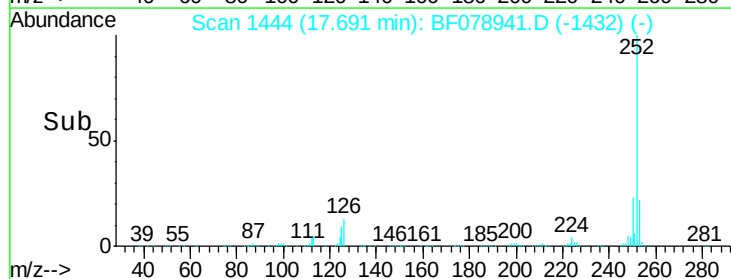
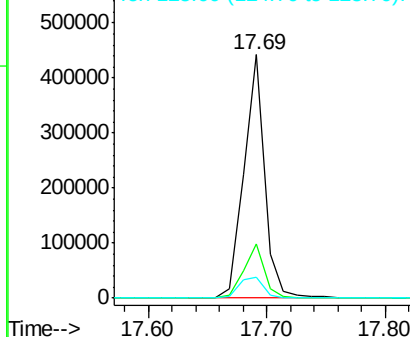
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	8.7	10.0	15.0#

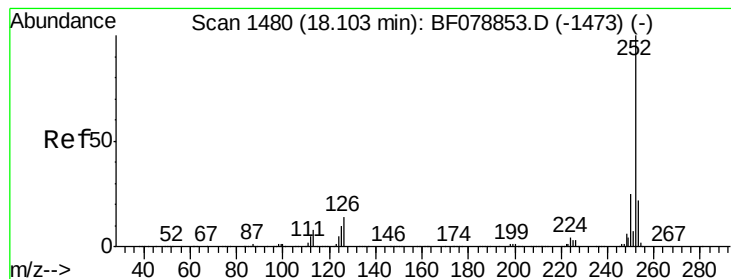


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.61 ng

RT: 18.07 min Scan# 1477

Delta R.T. 0.05 min

Lab File: BF078941.D

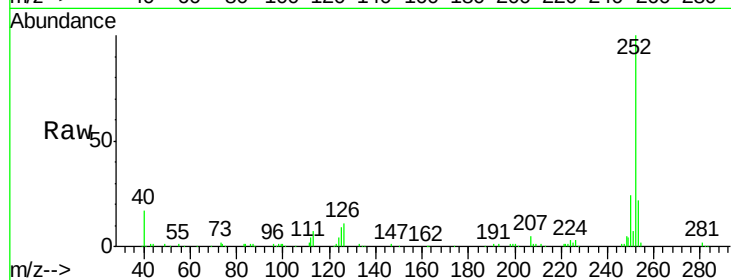
Acq: 5 May 2015 15:33

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL



Tgt Ion:	252	Resp:	134849
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	9.2	7.0	10.6

