

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113015\
 Data File : BF083371.D
 Acq On : 1 Dec 2015 9:50
 Operator : UM/IZ
 Sample : G4221-15
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Dec 01 10:25:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	589145	20.00	ng	0.16
21) Naphthalene-d8	7.85	136	565208	20.00	ng	0.01
38) Acenaphthene-d10	9.58	164	295979	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	565134	20.00	ng	0.00
75) Chrysene-d12	14.76	240	459212	20.00	ng	0.00
86) Perylene-d12	16.82	264	340974	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	1375131	35.02	ng	0.01
7) Phenol-d6	6.22	99	1809637	33.67	ng	0.00
23) Nitrobenzene-d5	7.13	82	1180662	91.83	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	400998	134.96	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1839923	88.59	ng	0.00
78) Terphenyl-d14	13.22	244	1923328	99.88	ng	0.00

Target Compounds

						Qvalue
8) 2-Chlorophenol	6.34	128	553460	12.78	ng	97
9) Benzaldehyde	6.24	77	13726	Below	Cal	# 6
10) Phenol	6.24	94	1068557	16.53	ng	97
12) 1,3-Dichlorobenzene	6.57	146	687917	14.29	ng	99
13) 1,4-Dichlorobenzene	6.57	146	687917	13.83	ng	99
18) Hexachloroethane	7.06	117	448515	25.95	ng	98
19) n-Nitroso-di-n-propylamine	7.13	70	157115	4.09	ng	# 82
24) Nitrobenzene	7.15	77	1890281	137.67	ng	93
25) Isophorone	7.39	82	3844793	154.37	ng	98
26) 2-Nitrophenol	7.39	139	61568	10.98	ng	# 65
29) 2,4-Dichlorophenol	7.72	162	689107	76.26	ng	86
30) 1,2,4-Trichlorobenzene	7.79	180	1162086	118.15	ng	98
31) Naphthalene	7.87	128	3972003	129.52	ng	97
33) 4-Chloroaniline	7.87	127	585641	44.30	ng	# 33
34) Hexachlorobutadiene	7.98	225	776438	139.03	ng	100
35) Caprolactam	8.42	113	37547	13.15	ng	# 6
36) 4-Chloro-3-methylphenol	8.42	107	1311524	129.40	ng	88
37) 2-Methylnaphthalene	8.56	142	1925332	93.94	ng	97
42) 2,4,6-Trichlorophenol	8.84	196	482340	73.29	ng	98
43) 2,4,5-Trichlorophenol	8.88	196	640051	93.86	ng	# 90
47) 2-Nitroaniline	9.33	65	42161	5.38	ng	# 1
48) Acenaphthylene	9.45	152	2569132	81.43	ng	98
49) Dimethylphthalate	9.34	163	3778482	157.09	ng	# 98
50) 2,6-Dinitrotoluene	9.33	165	44804	8.72	ng	# 1
51) Acenaphthene	9.62	154	1011863	54.53	ng	98
52) 3-Nitroaniline	9.80	138	70643	11.73	ng	# 4
54) Dibenzofuran	9.80	168	3779899	139.00	ng	96
55) 4-Nitrophenol	9.76	139	473206	125.65	ng	# 84
56) 2,4-Dinitrotoluene	9.58	165	38571	5.92	ng	# 6
57) Fluorene	10.14	166	2750131	128.07	ng	100
59) Diethylphthalate	10.04	149	3087513	134.67	ng	95
61) 4-Nitroaniline	10.14	138	30938	5.14	ng	# 21
66) 4-Bromophenyl-phenylether	10.64	248	529561	85.66	ng	92
70) Phenanthrene	11.16	178	2605649	77.91	ng	96

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 Misc :
 ALS Vial : 46 Sample Multiplier: 1

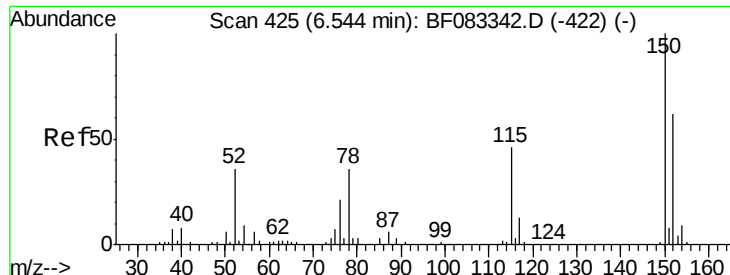
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Dec 01 10:25:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

71) Anthracene	11.16	178	2605649	77.39	ng	97
72) Carbazole	11.41	167	714809	23.63	ng	98
73) Di-n-butylphthalate	11.86	149	1608715	44.87	ng	100
74) Fluoranthene	12.67	202	2726912	78.66	ng	98
80) Benzo(a)anthracene	14.75	228	2558151	90.93	ng	99
82) Chrysene	14.81	228	2272815	83.62	ng	100
83) Bis(2-ethylhexyl)phthalate	14.88	149	2009245	110.10	ng	100
84) Di-n-octyl phthalate	15.85	149	2727402	100.36	ng	99
85) Indeno(1,2,3-cd)pyrene	18.24	276	499454	25.23	ng	# 70
87) Benzo(b)fluoranthene	16.32	252	1868586	85.41	ng	97
88) Benzo(k)fluoranthene	16.32	252	1868784	90.46	ng	99
90) Dibenzo(a,h)anthracene	18.24	278	2135954	130.44	ng	98

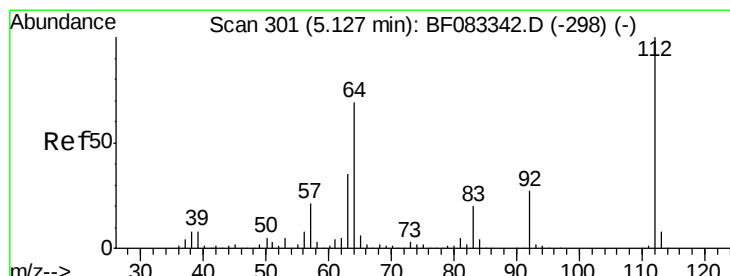
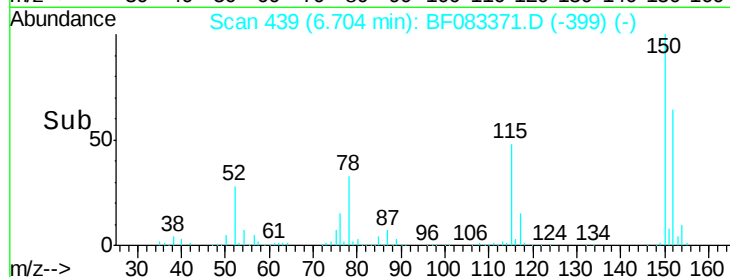
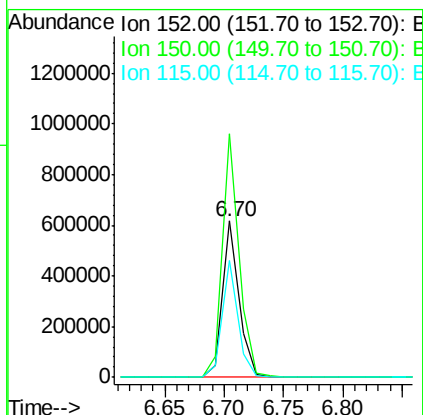
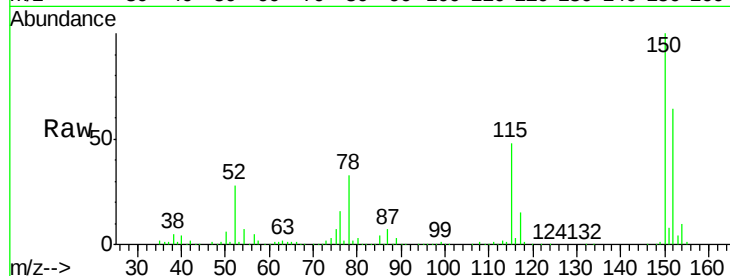
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 439
 Delta R.T. 0.16 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

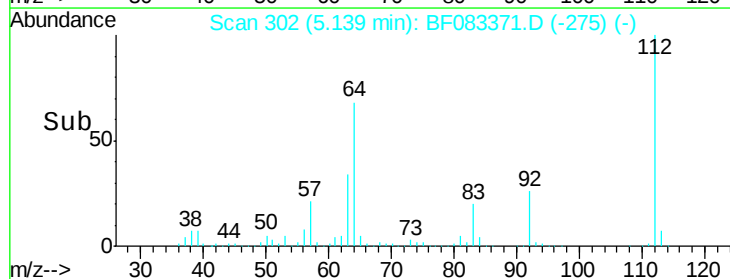
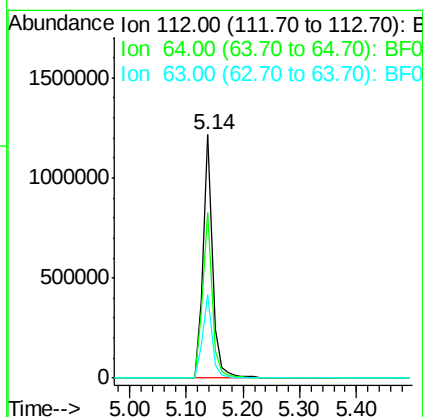
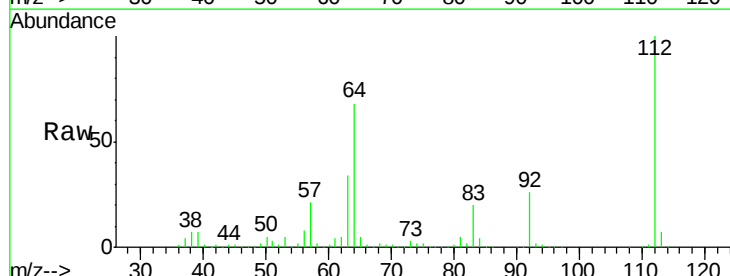
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

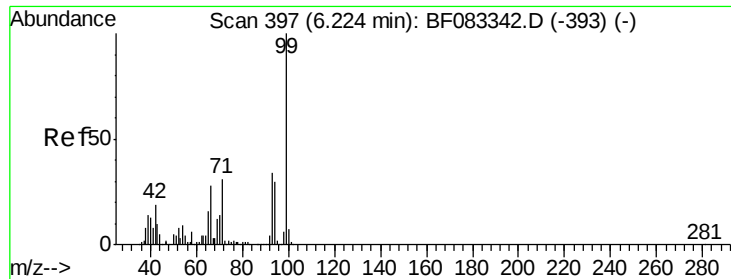
Tgt Ion:152 Resp: 589145
 Ion Ratio Lower Upper
 152 100
 150 156.0 129.8 194.8
 115 74.8 59.2 88.8



#5
 2-Fluorophenol
 Concen: 35.02 ng
 RT: 5.14 min Scan# 302
 Delta R.T. 0.01 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion:112 Resp: 1375131
 Ion Ratio Lower Upper
 112 100
 64 67.8 55.6 83.4
 63 34.2 28.2 42.2





#7

Phenol-d6

Concen: 33.67 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

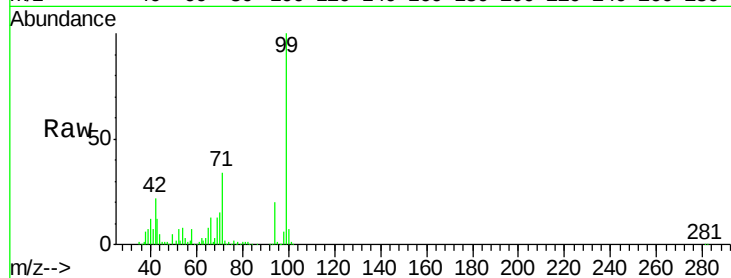
Tgt Ion: 99 Resp: 1809637

Ion Ratio Lower Upper

99 100

42 22.0 14.9 22.3

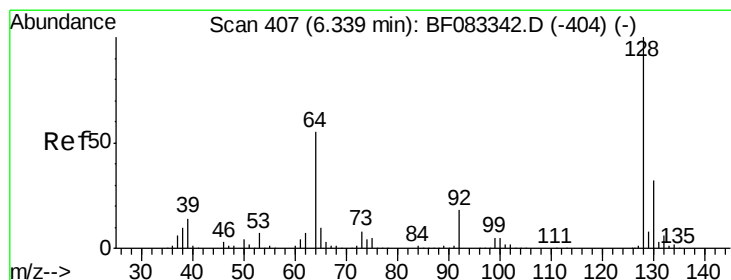
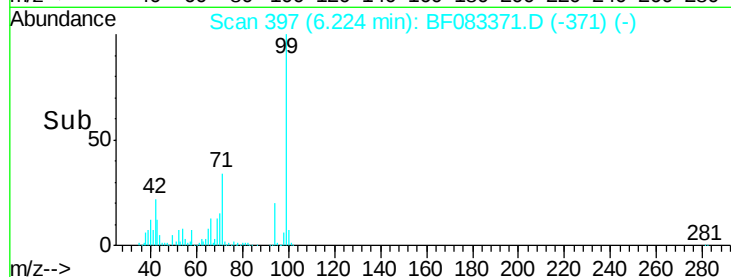
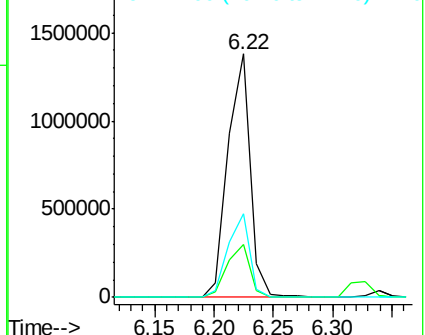
71 34.2 24.7 37.1



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: 12.78 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

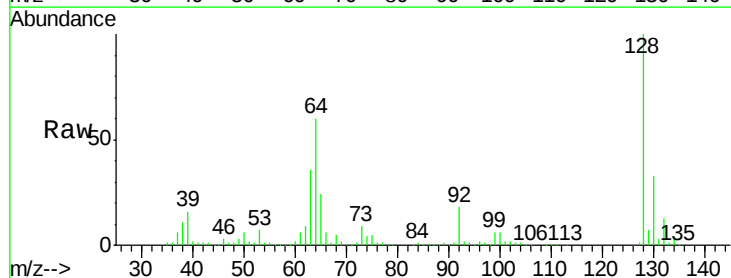
Tgt Ion: 128 Resp: 553460

Ion Ratio Lower Upper

128 100

130 32.6 12.3 52.3

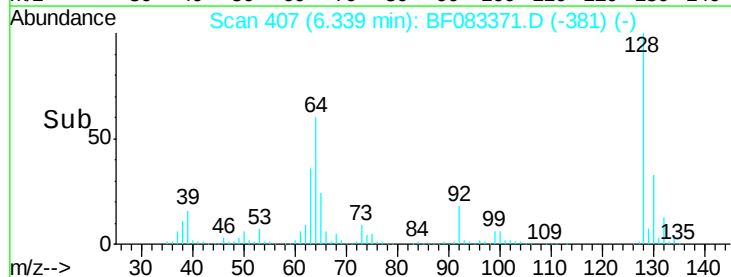
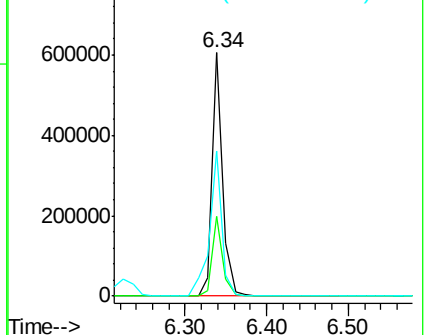
64 59.7 36.4 76.4

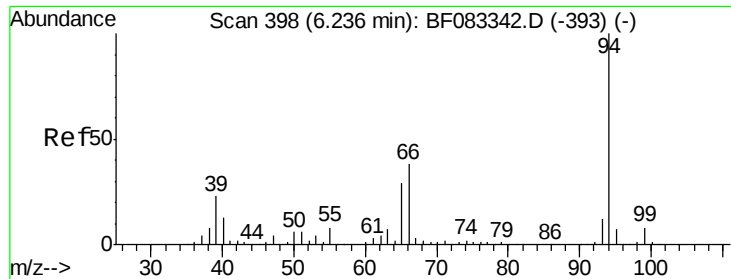


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 16.53 ng

RT: 6.24 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

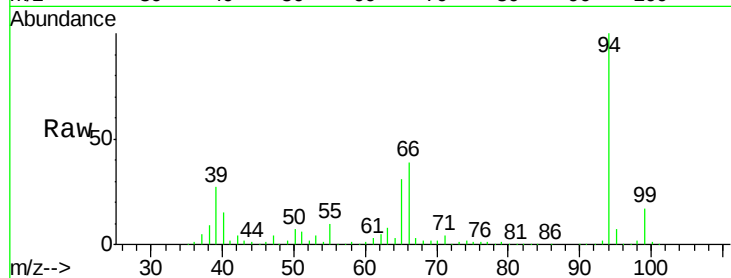
BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion: 94 Resp: 1068557

Ion	Ratio	Lower	Upper
94	100		
65	31.2	9.5	49.5
66	39.2	17.9	57.9

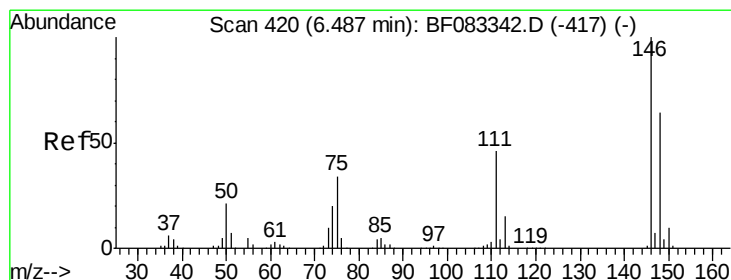
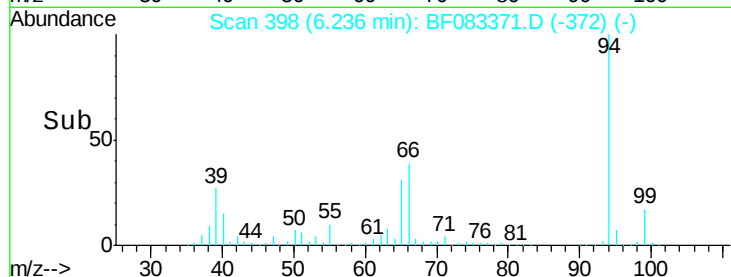
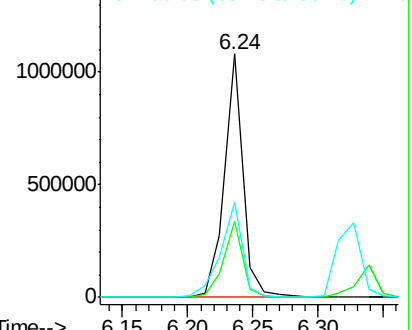


Abundance

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: 14.29 ng

RT: 6.57 min Scan# 427

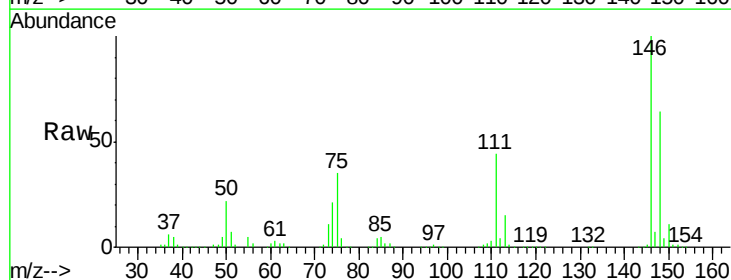
Delta R.T. 0.08 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Tgt Ion: 146 Resp: 687917

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
75	35.4	27.5	41.3

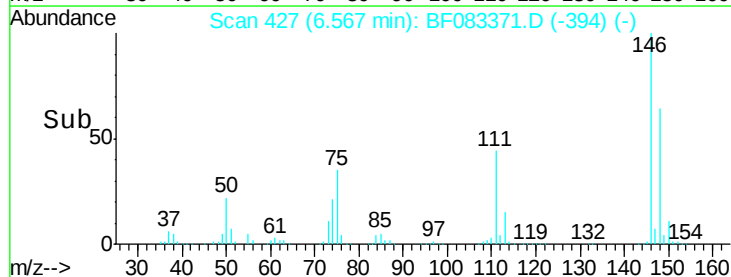
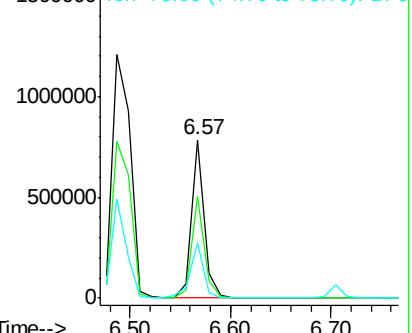


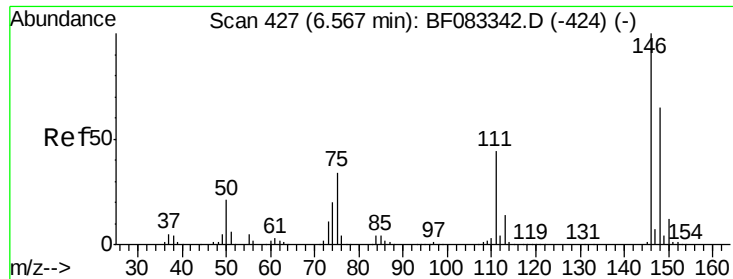
Abundance

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: 13.83 ng

RT: 6.57 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

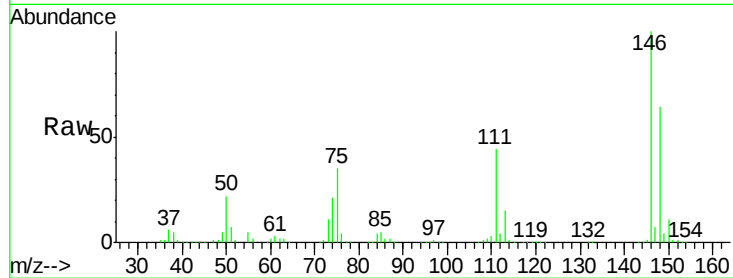
Tgt Ion:146 Resp: 687917

Ion Ratio Lower Upper

146 100

148 64.4 52.1 78.1

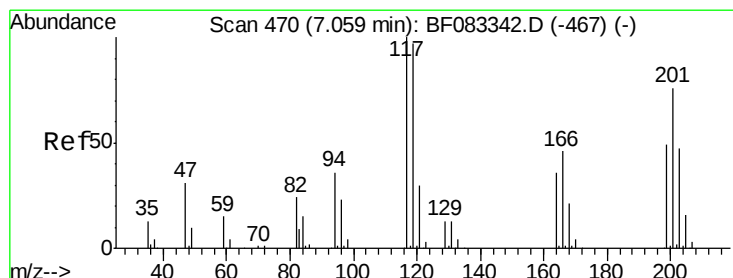
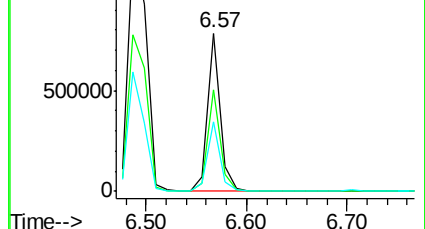
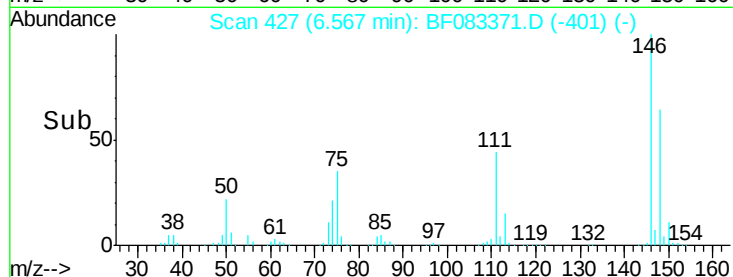
111 44.2 35.4 53.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 25.95 ng

RT: 7.06 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

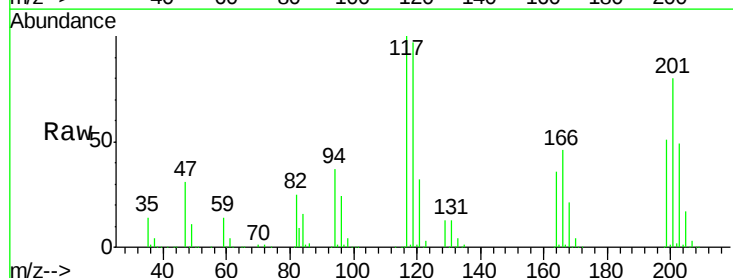
Tgt Ion:117 Resp: 448515

Ion Ratio Lower Upper

117 100

119 96.8 77.3 115.9

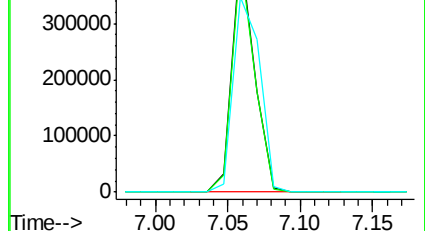
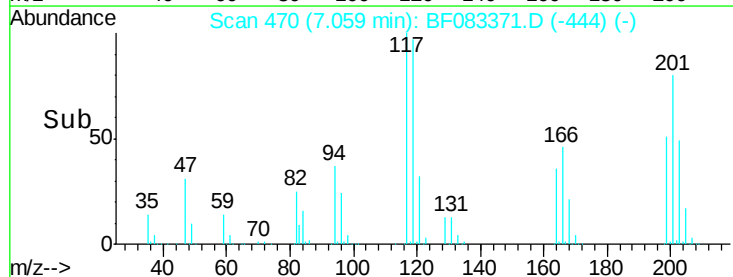
201 79.9 60.6 90.8

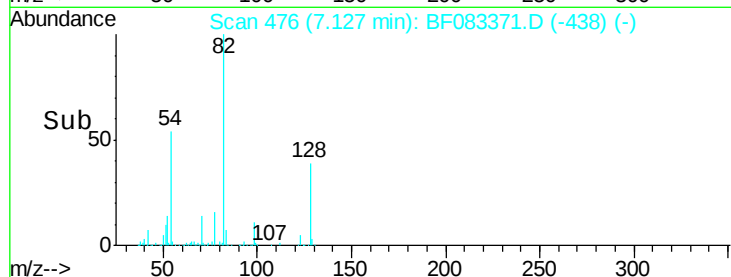
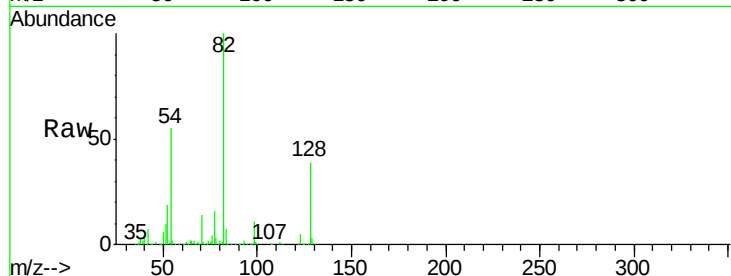
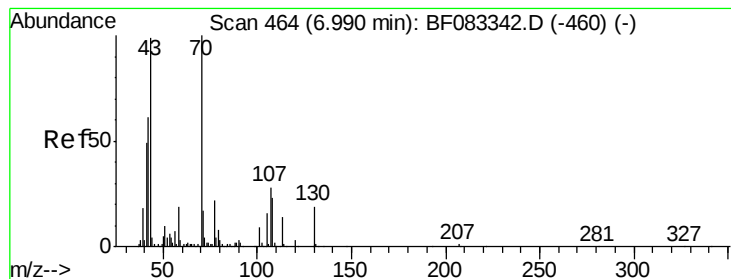


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.09 ng

RT: 7.13 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion: 70 Resp: 157115

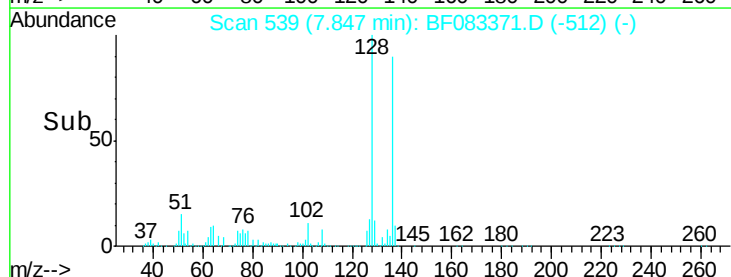
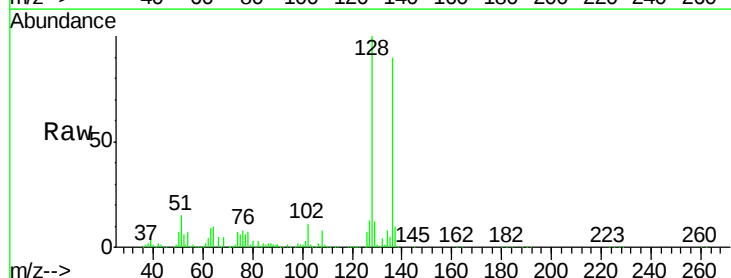
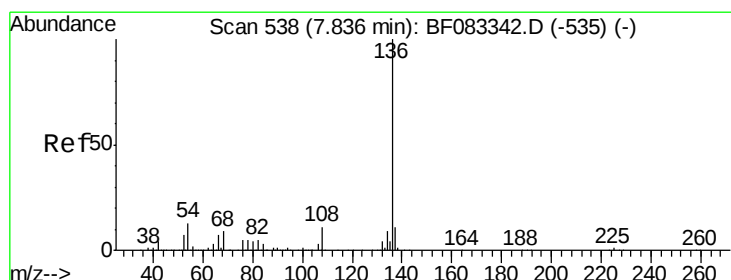
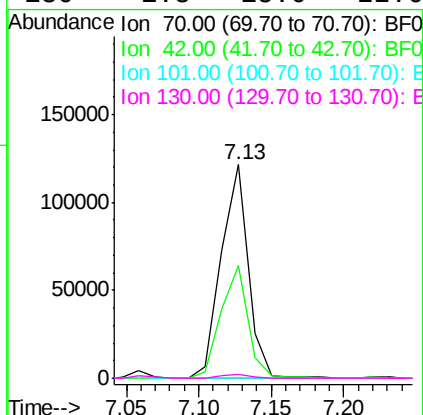
Ion Ratio Lower Upper

70 100

42 53.0 48.8 73.2

101 0.0 7.1 10.7#

130 1.8 15.0 22.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 539

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Tgt Ion: 136 Resp: 565208

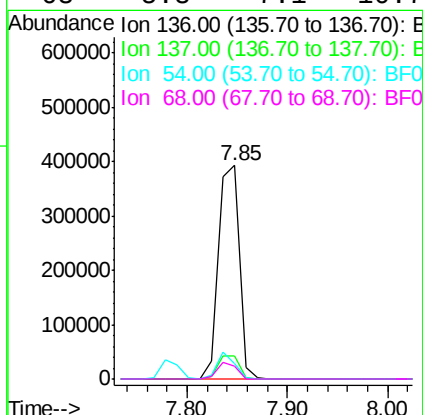
Ion Ratio Lower Upper

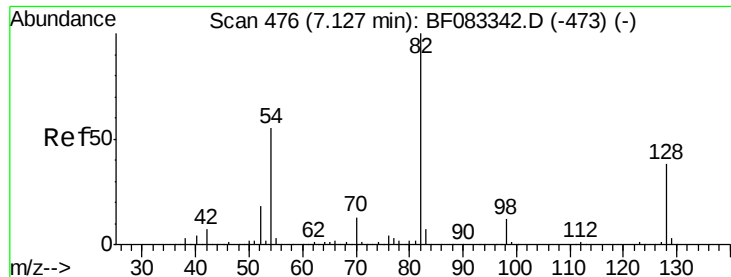
136 100

137 11.0 9.0 13.4

54 7.5 10.1 15.1#

68 5.8 7.1 10.7#

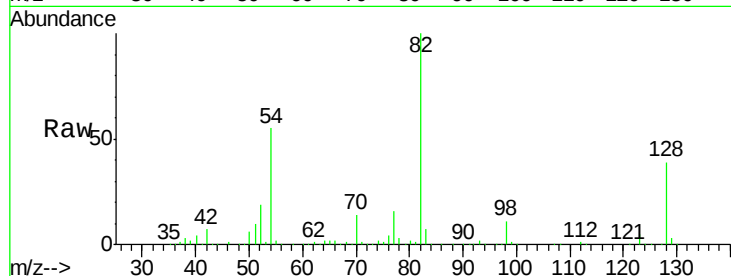




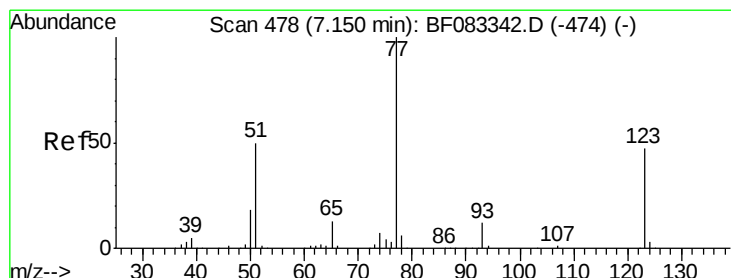
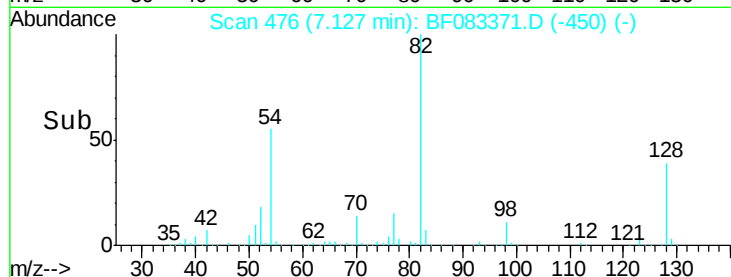
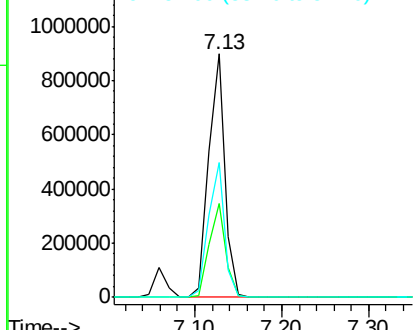
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 Nitrobenzene-d5
 Concen: 91.83 ng
 RT: 7.13 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion: 82 Resp: 1180662
 Ion Ratio Lower Upper
 82 100
 128 38.5 30.6 46.0
 54 55.3 43.8 65.6

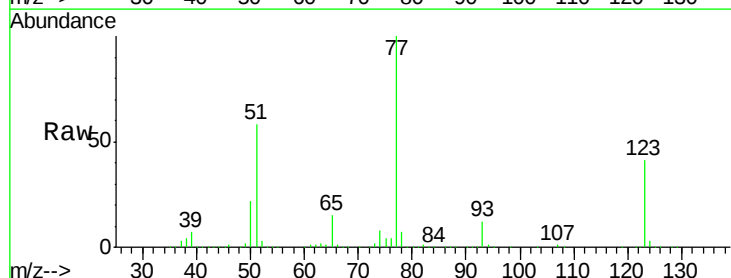


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

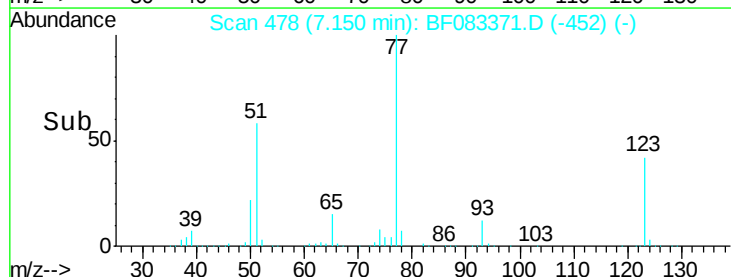
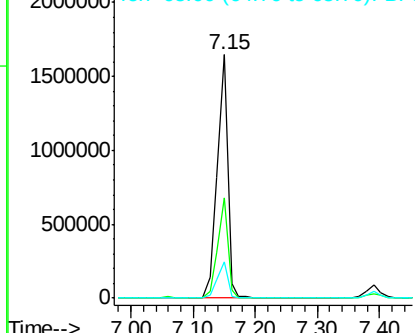


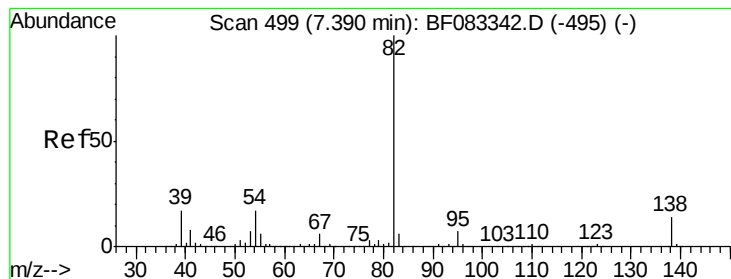
#24
 Nitrobenzene
 Concen: 137.67 ng
 RT: 7.15 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion: 77 Resp: 1890281
 Ion Ratio Lower Upper
 77 100
 123 41.4 37.4 56.0
 65 15.1 10.6 15.8



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





#25

Isophorone

Concen: 154.37 ng

RT: 7.39 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

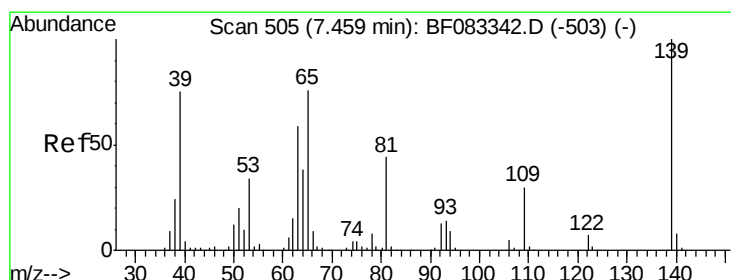
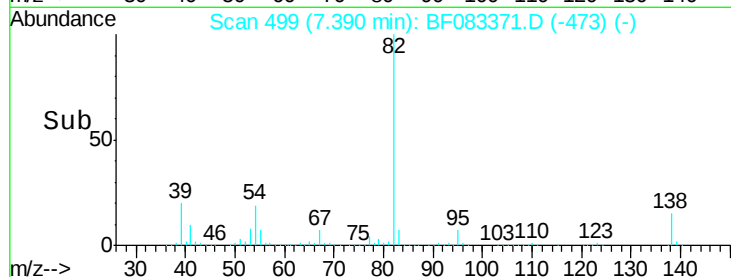
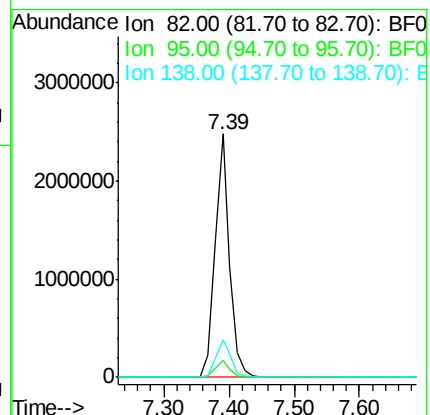
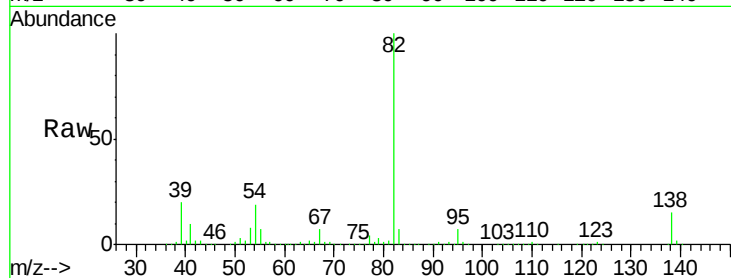
Tgt Ion: 82 Resp: 3844793

Ion Ratio Lower Upper

82 100

95 7.2 5.3 7.9

138 15.4 11.6 17.4



#26

2-Nitrophenol

Concen: 10.98 ng

RT: 7.39 min Scan# 499

Delta R.T. -0.07 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

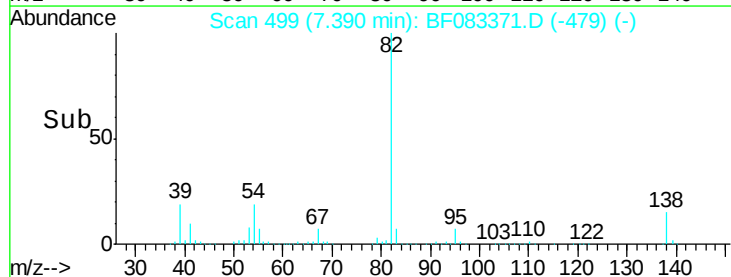
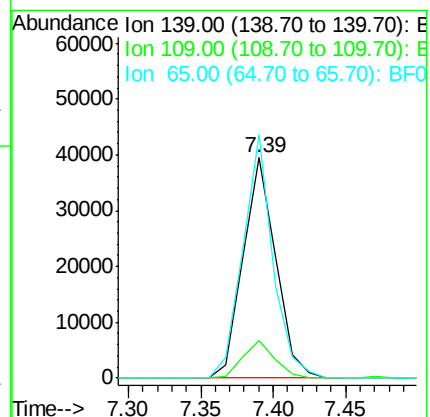
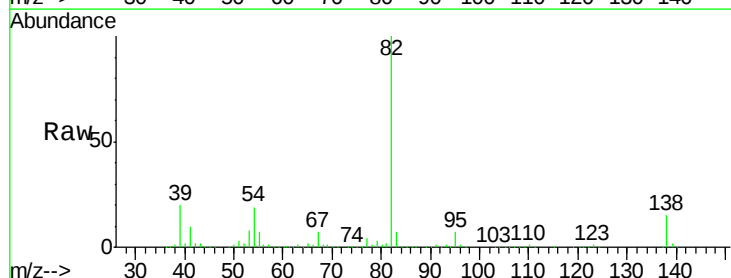
Tgt Ion: 139 Resp: 61568

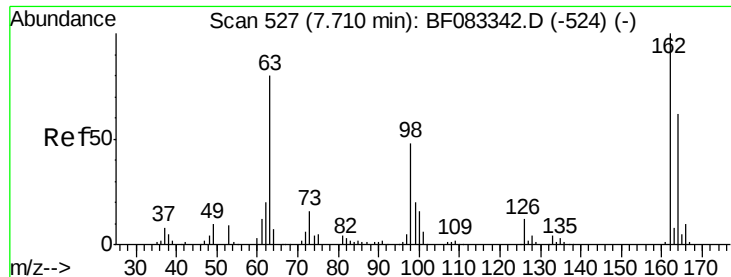
Ion Ratio Lower Upper

139 100

109 17.1 24.2 36.4#

65 110.5 61.0 91.6#

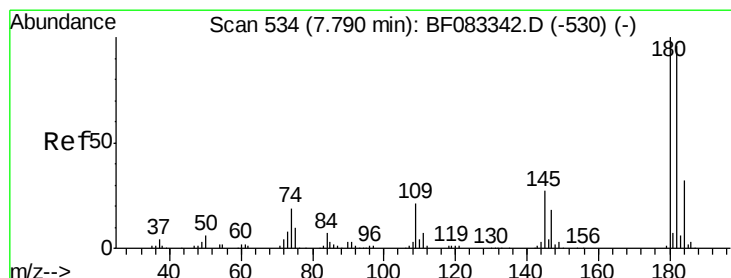
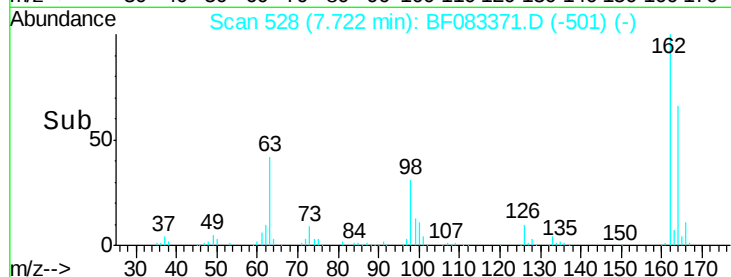
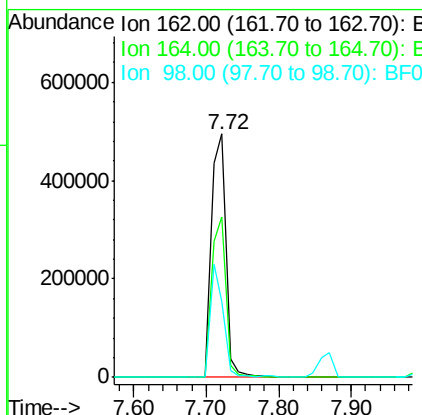
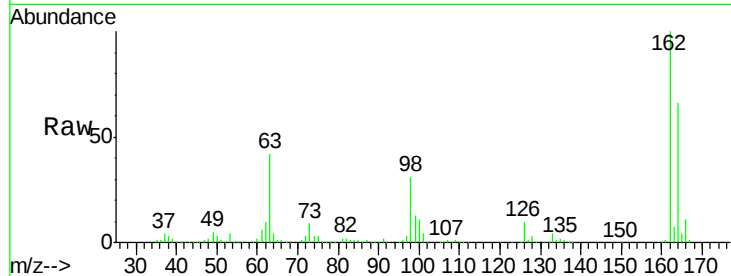




#29
2,4-Dichlorophenol
Concen: 76.26 ng
RT: 7.72 min Scan# 528
Delta R.T. 0.01 min
Lab File: BF083371.D
Acq: 1 Dec 2015 9:50

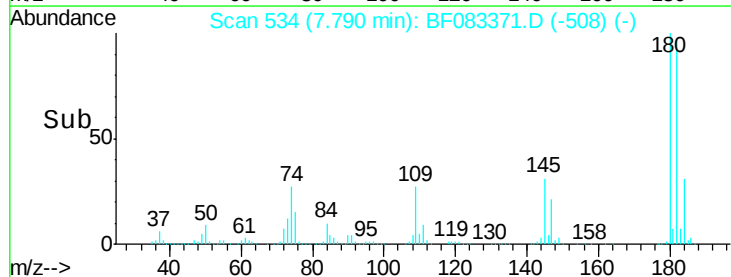
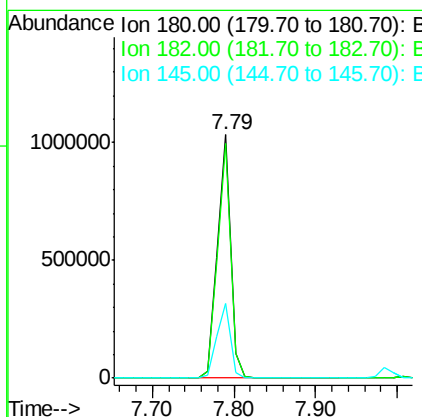
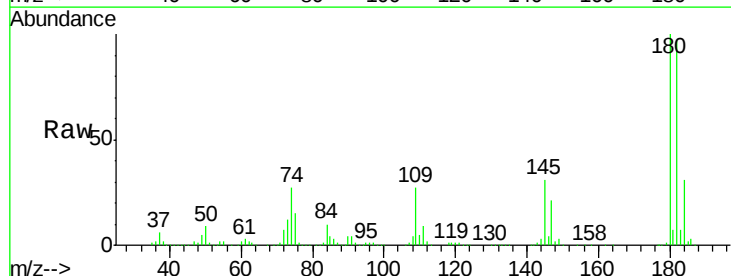
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

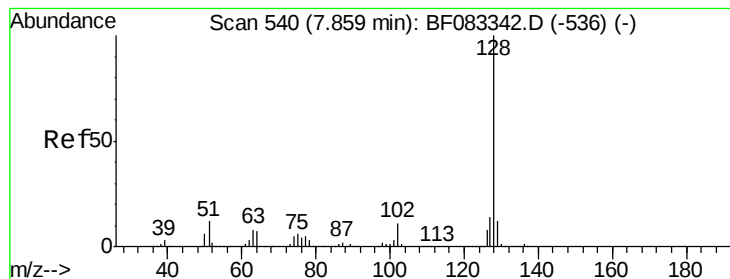
Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.1	41.9	81.9
98	31.1	28.1	68.1



#30
1,2,4-Trichlorobenzene
Concen: 118.15 ng
RT: 7.79 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF083371.D
Acq: 1 Dec 2015 9:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.2	115.8
145	30.9	21.4	32.2





#31

Naphthalene

Concen: 129.52 ng

RT: 7.87 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

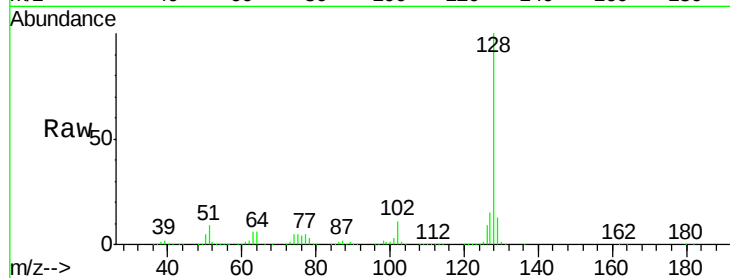
Tgt Ion:128 Resp: 3972003

Ion Ratio Lower Upper

128 100

129 13.0 9.7 14.5

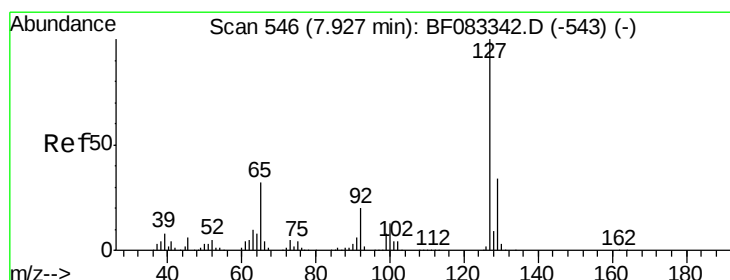
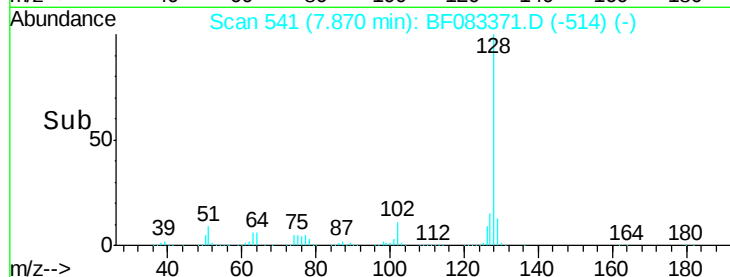
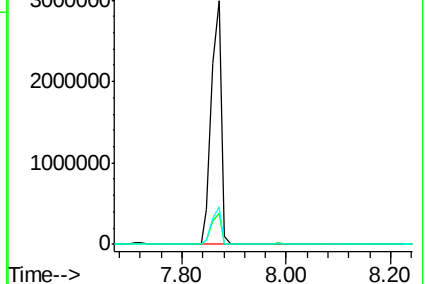
127 15.3 11.0 16.4



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: 44.30 ng

RT: 7.87 min Scan# 541

Delta R.T. -0.06 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Tgt Ion:127 Resp: 585641

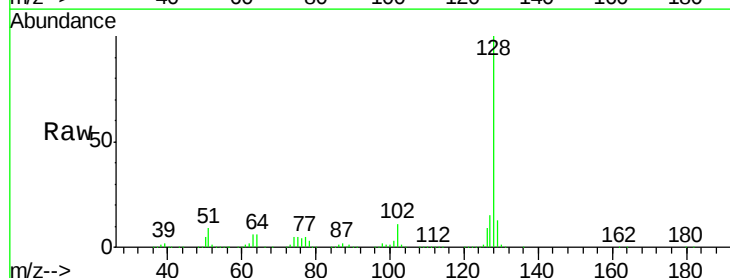
Ion Ratio Lower Upper

127 100

129 84.8 27.0 40.4#

65 0.0 25.9 38.9#

92 0.0 15.8 23.8#

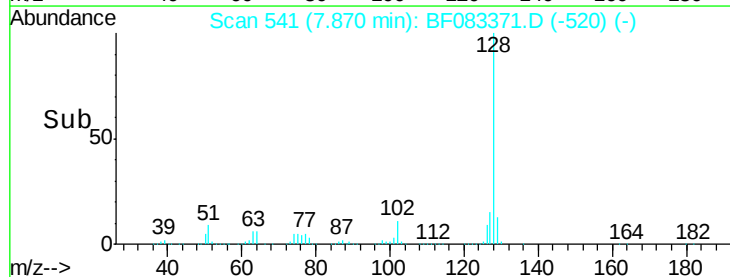
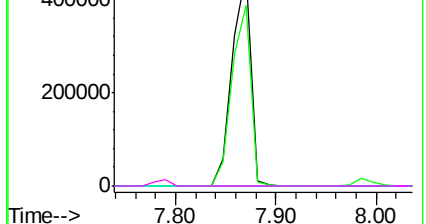


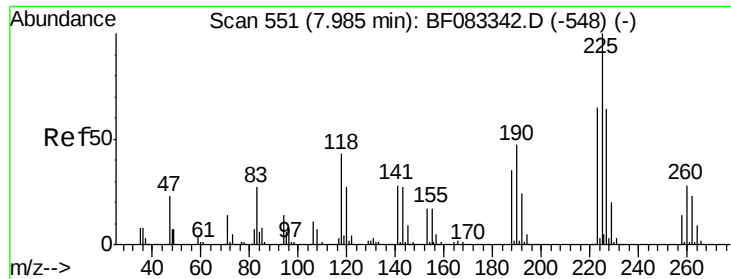
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 139.03 ng

RT: 7.98 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

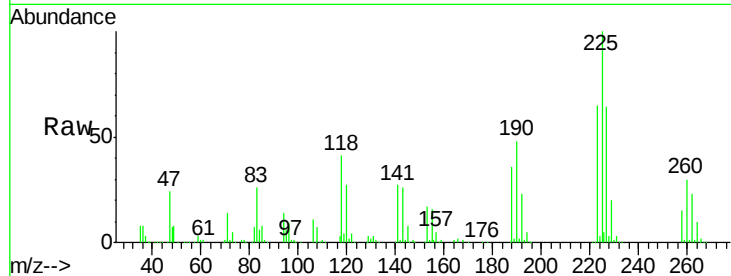
Tgt Ion:225 Resp: 776438

Ion Ratio Lower Upper

225 100

223 64.8 52.0 78.0

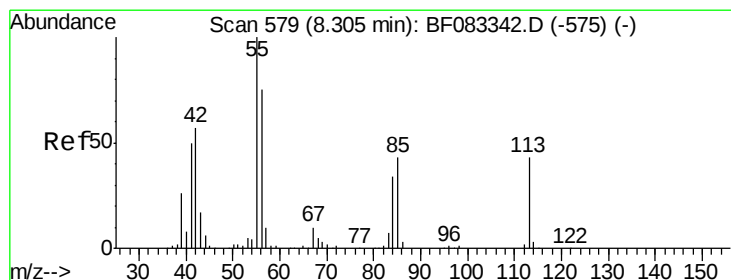
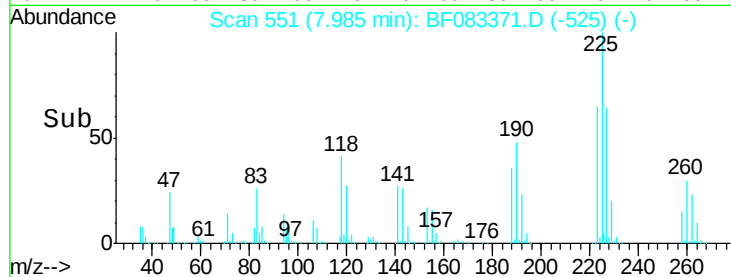
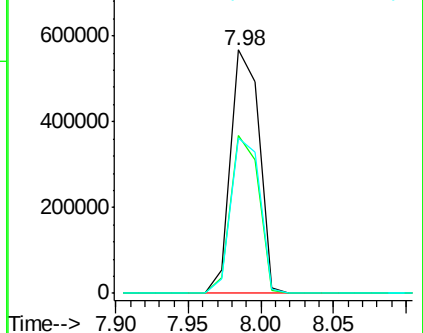
227 63.9 51.1 76.7



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 13.15 ng

RT: 8.42 min Scan# 589

Delta R.T. 0.11 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

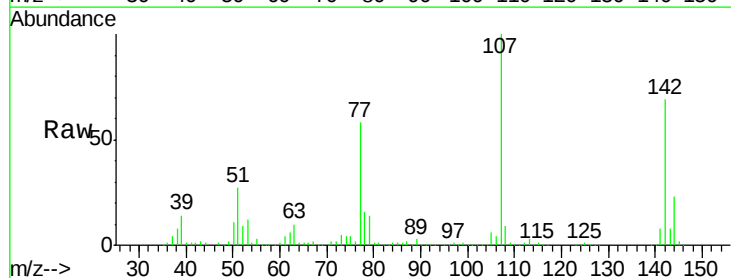
Tgt Ion:113 Resp: 37547

Ion Ratio Lower Upper

113 100

55 105.5 211.6 251.6#

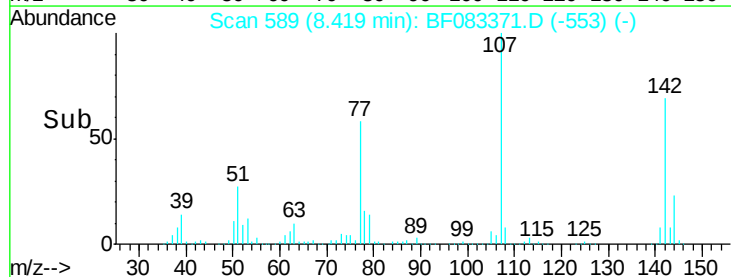
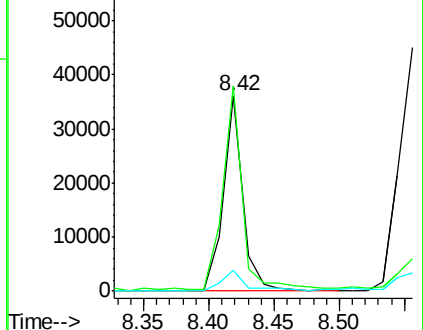
56 10.9 153.0 193.0#

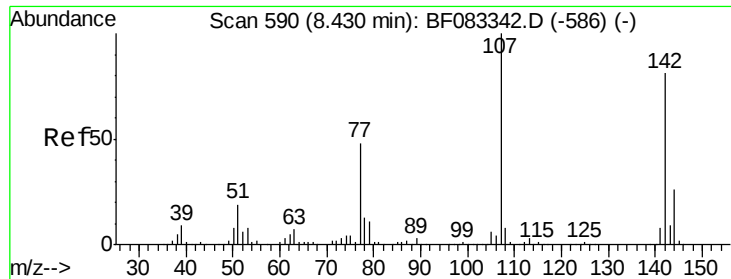


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

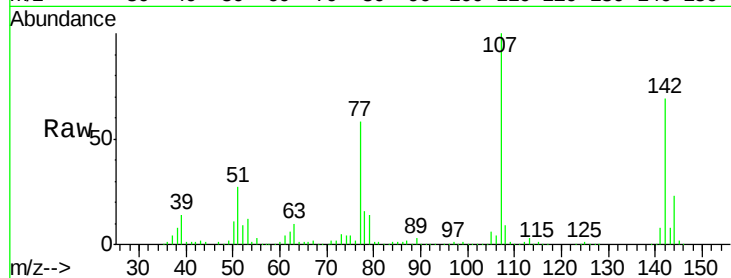




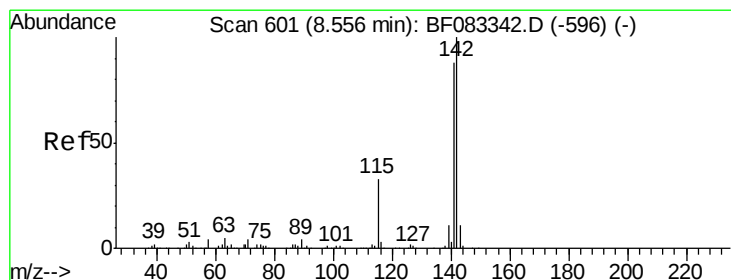
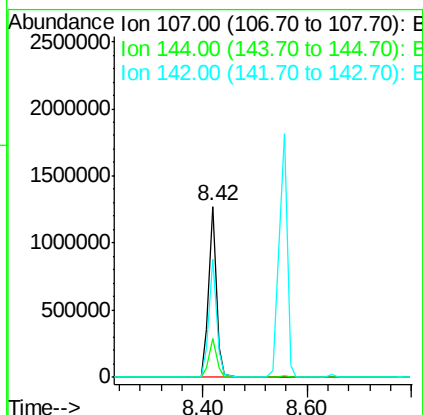
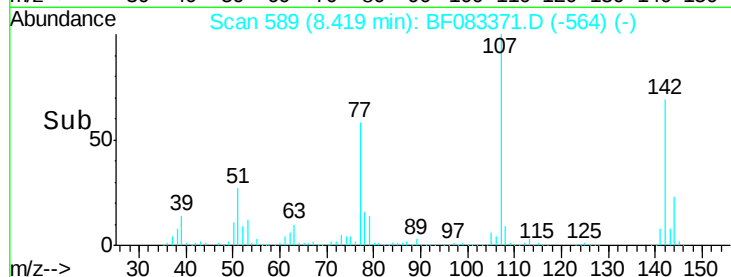
#36
 4-Chloro-3-methylphenol
 Concen: 129.40 ng
 RT: 8.42 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:107 Resp: 1311524
 Ion Ratio Lower Upper
 107 100
 144 22.7 21.1 31.7
 142 69.3 65.1 97.7

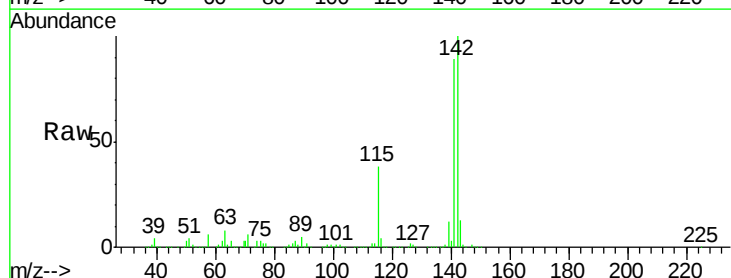


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

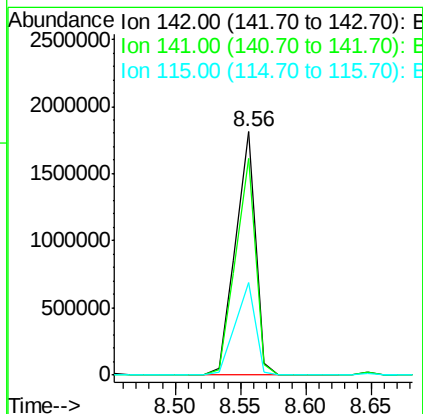
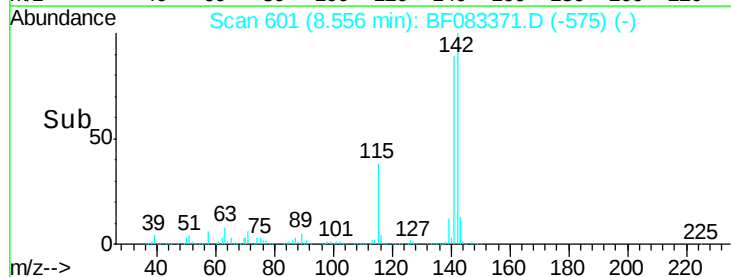


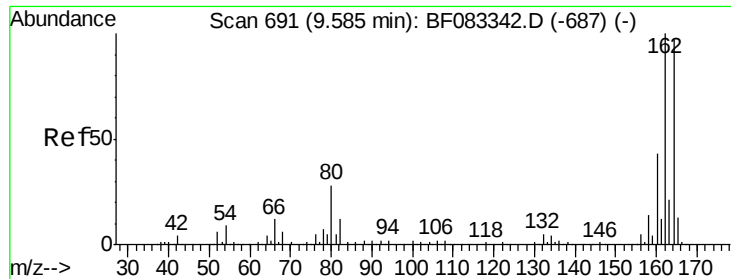
#37
 2-Methylnaphthalene
 Concen: 93.94 ng
 RT: 8.56 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion:142 Resp: 1925332
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.6 105.8
 115 37.9 26.2 39.2



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

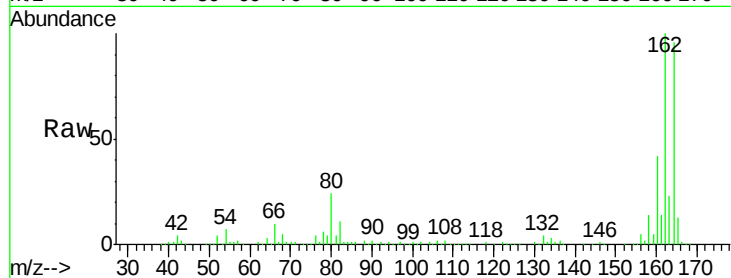




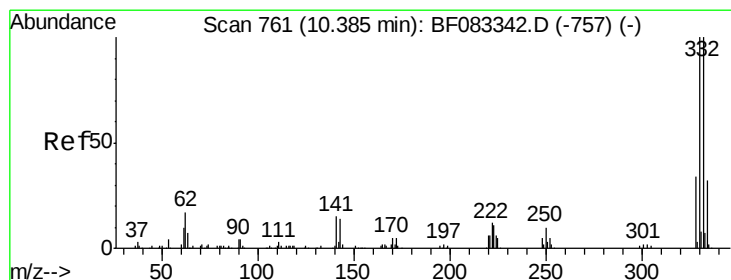
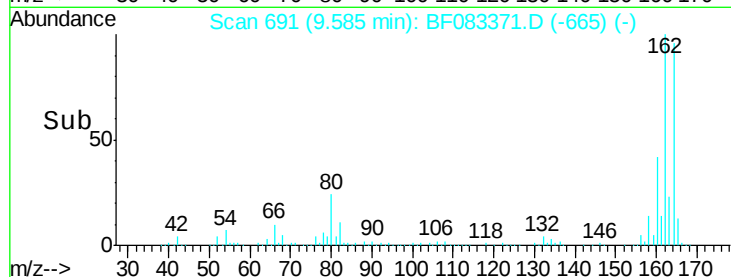
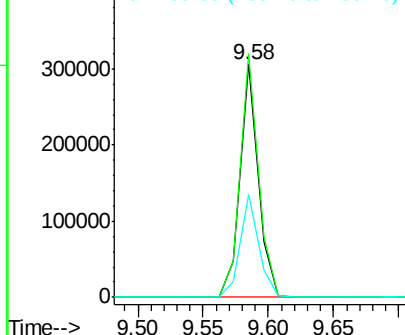
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:164 Resp: 295979
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.6 123.8
 160 43.8 35.3 52.9

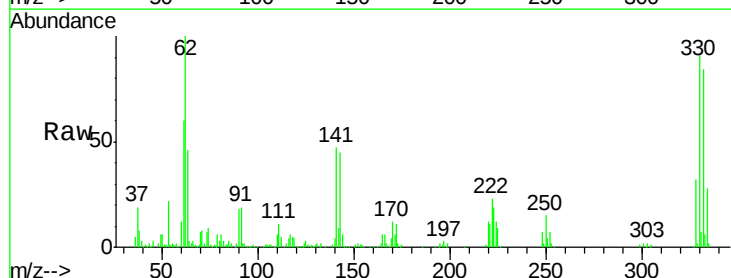


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

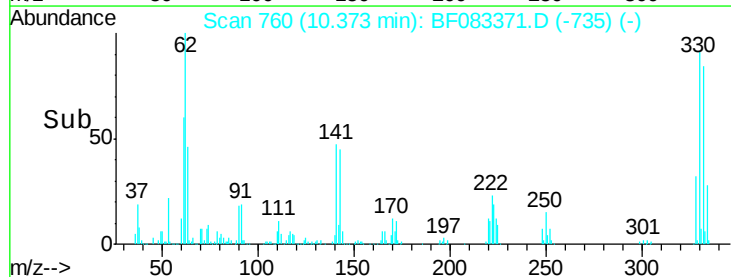
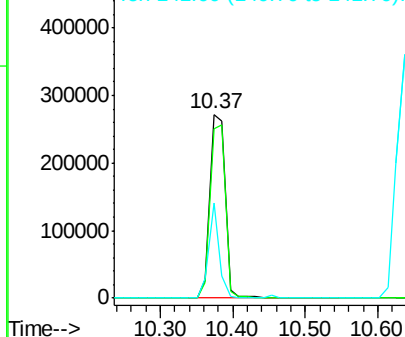


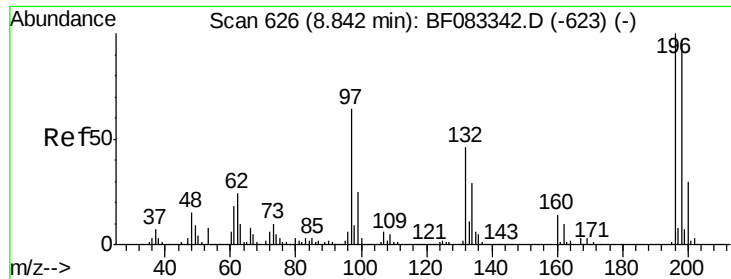
#41
 2,4,6-Tribromophenol
 Concen: 134.96 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion:330 Resp: 400998
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.8 116.6
 141 35.6 29.4 44.0



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

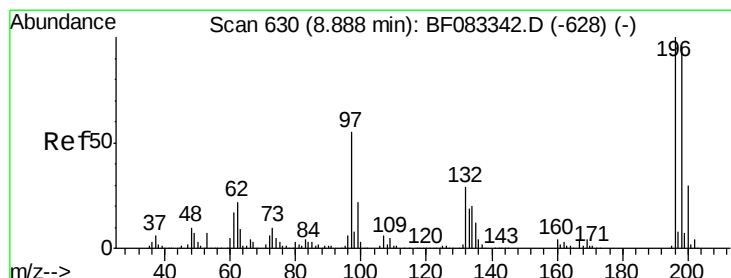
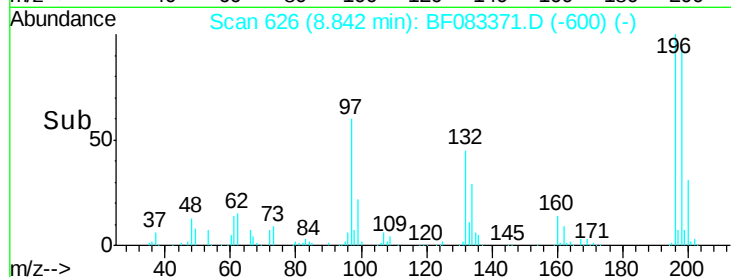
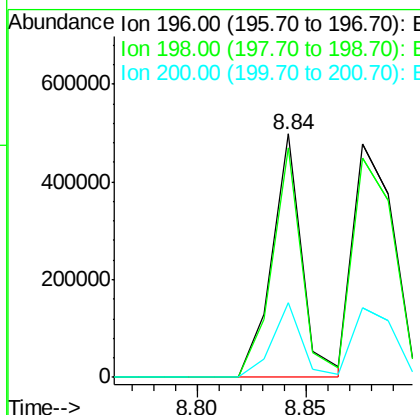
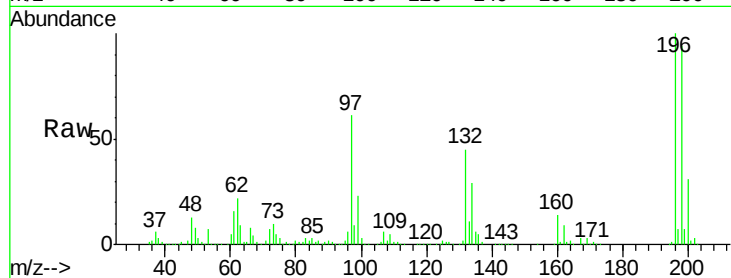




#42
 2,4,6-Trichlorophenol
 Concen: 73.29 ng
 RT: 8.84 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

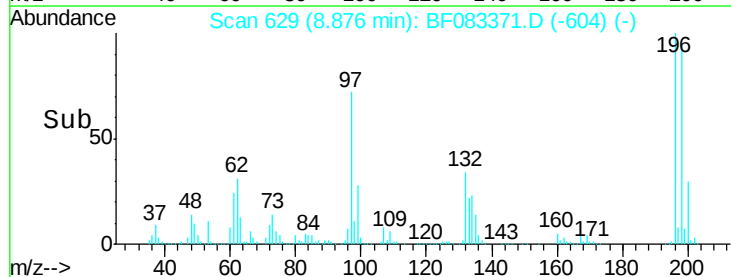
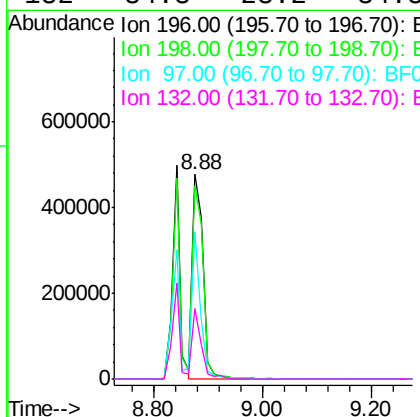
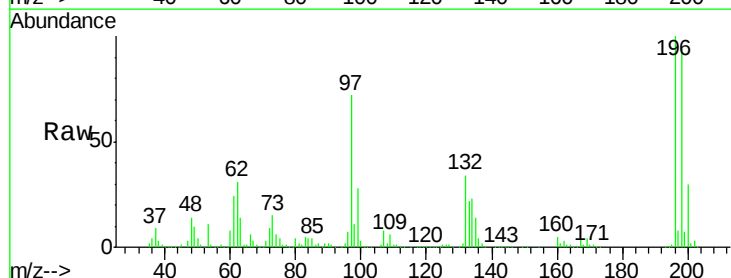
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

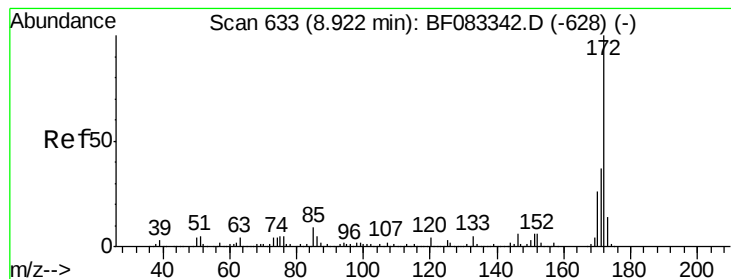
Tgt Ion:196 Resp: 482340
 Ion Ratio Lower Upper
 196 100
 198 94.1 77.2 115.8
 200 30.6 24.2 36.4



#43
 2,4,5-Trichlorophenol
 Concen: 93.86 ng
 RT: 8.88 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion:196 Resp: 640051
 Ion Ratio Lower Upper
 196 100
 198 94.3 77.2 115.8
 97 72.2 44.4 66.6#
 132 34.3 23.2 34.8

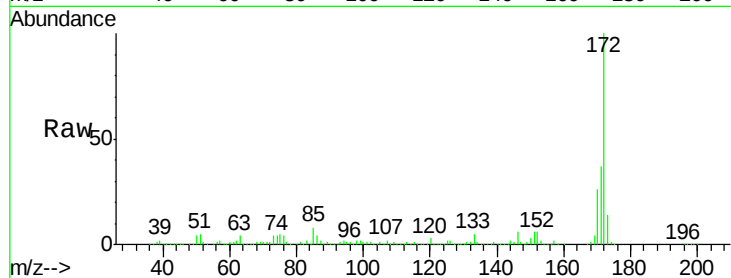




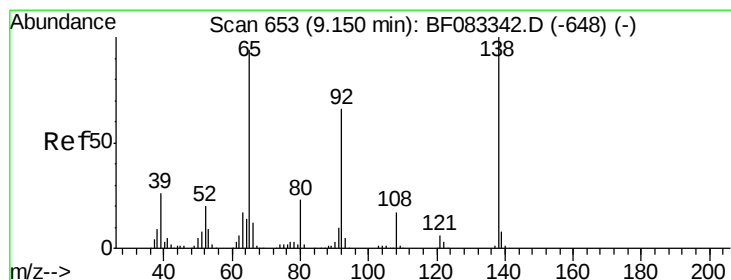
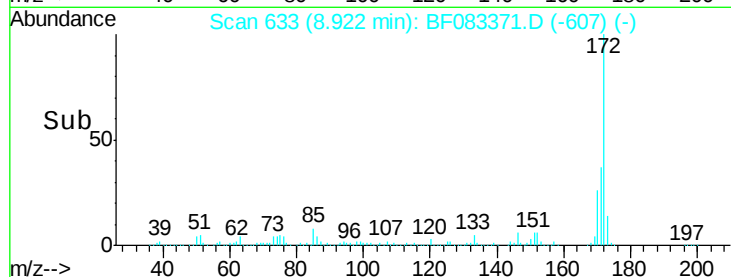
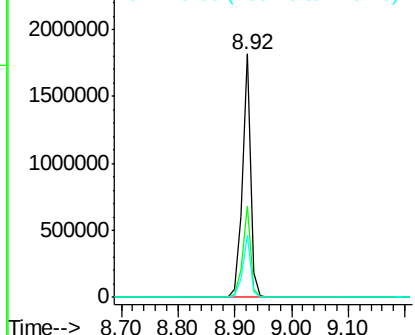
#44
 2-Fluorobiphenyl
 Concen: 88.59 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion: 172 Resp: 1839923
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.4 44.0
 170 25.5 20.4 30.6

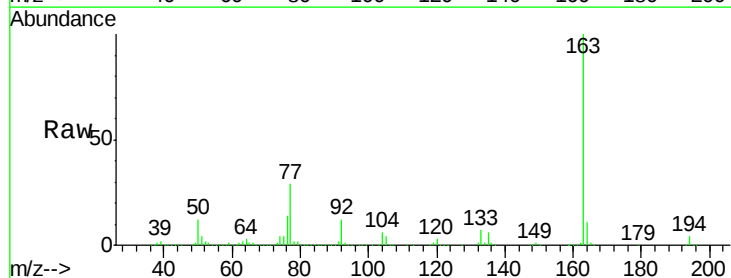


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

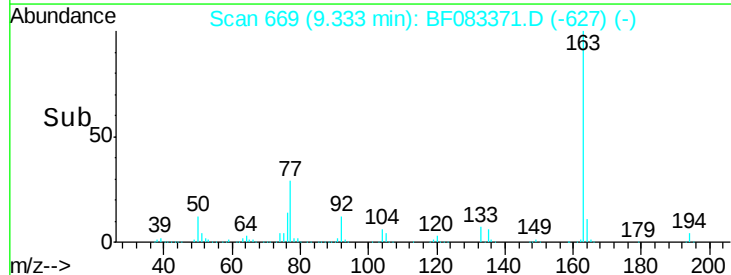
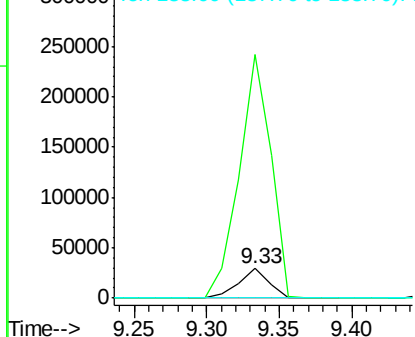


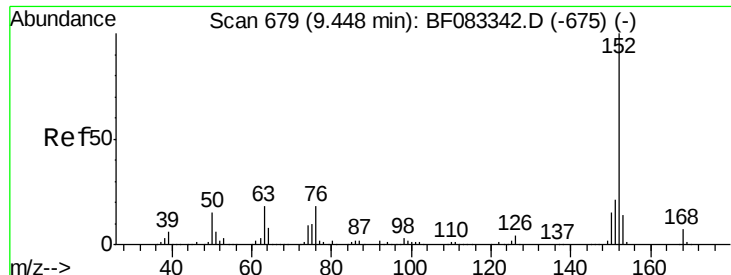
#47
 2-Nitroaniline
 Concen: 5.38 ng
 RT: 9.33 min Scan# 669
 Delta R.T. 0.18 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion: 65 Resp: 42161
 Ion Ratio Lower Upper
 65 100
 92 829.2 56.2 84.4#
 138 0.0 85.4 128.0#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 81.43 ng

RT: 9.45 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

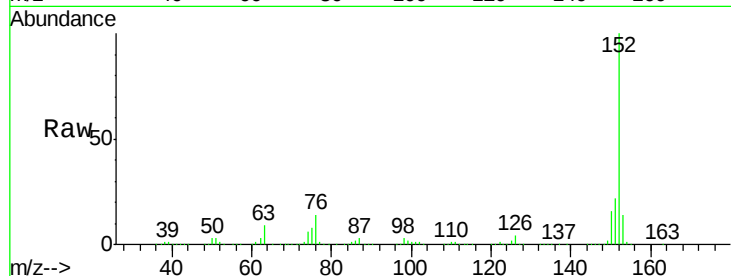
Tgt Ion:152 Resp: 2569132

Ion Ratio Lower Upper

152 100

151 22.1 16.7 25.1

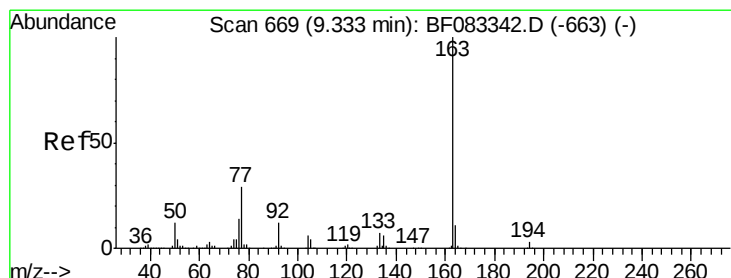
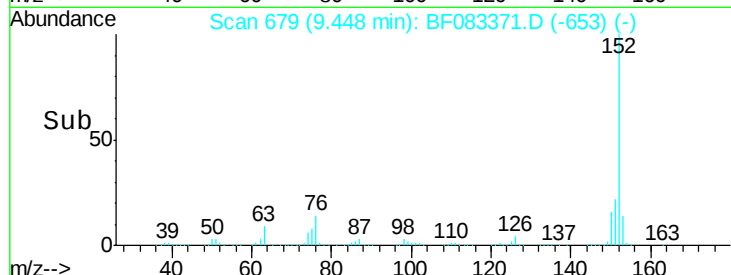
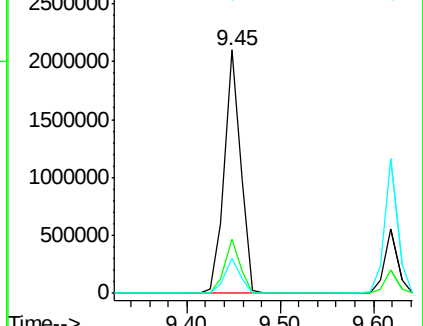
153 14.5 11.2 16.8



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



#49

Dimethylphthalate

Concen: 157.09 ng

RT: 9.34 min Scan# 670

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

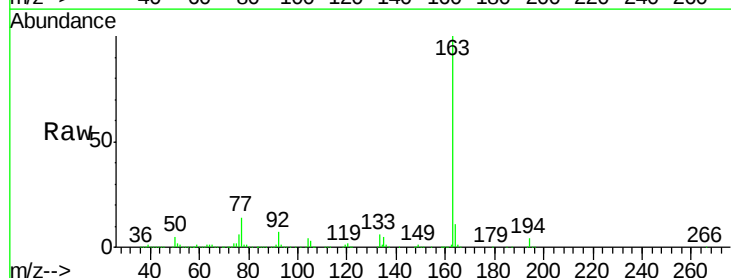
Tgt Ion:163 Resp: 3778482

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

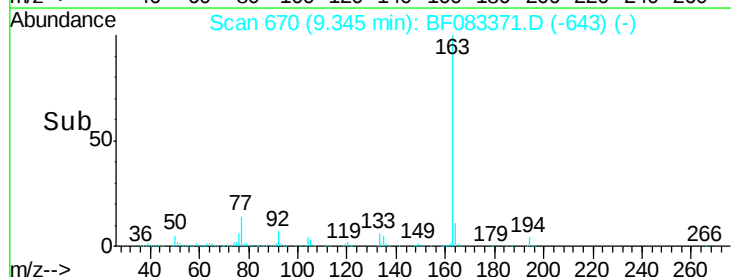
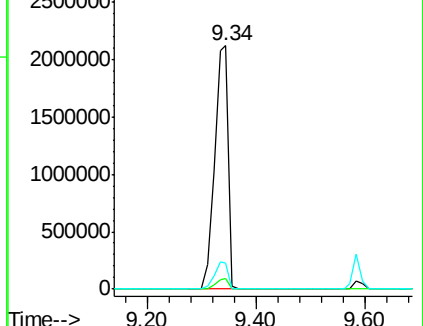
164 10.6 8.8 13.2

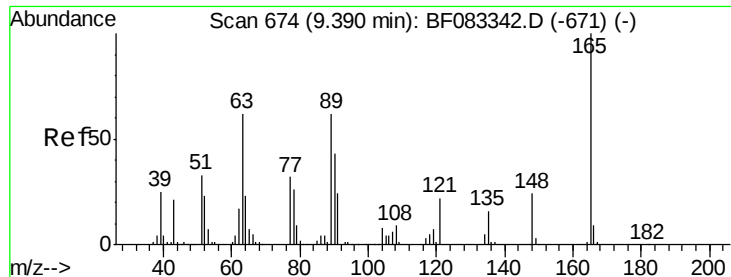


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

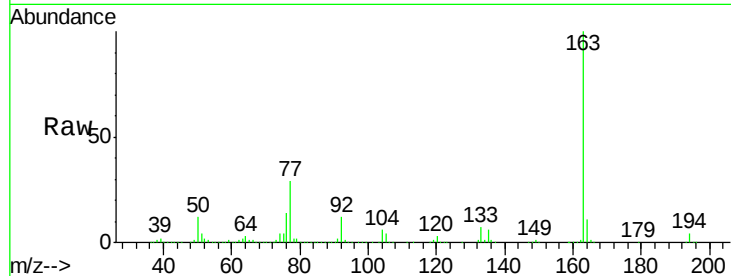




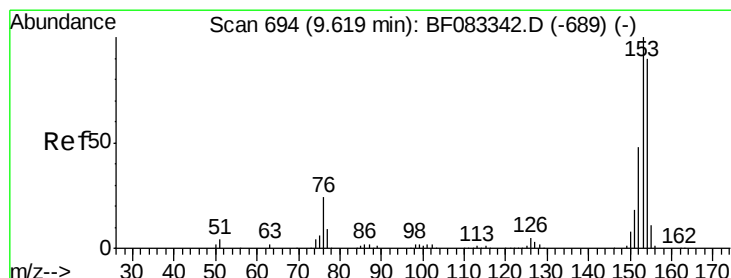
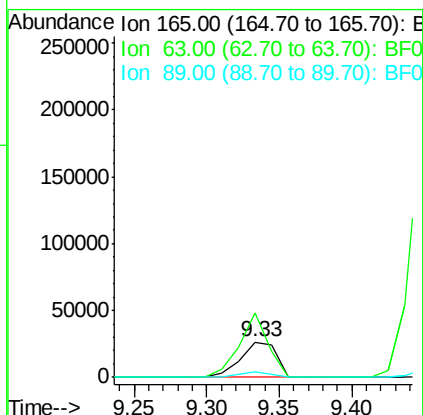
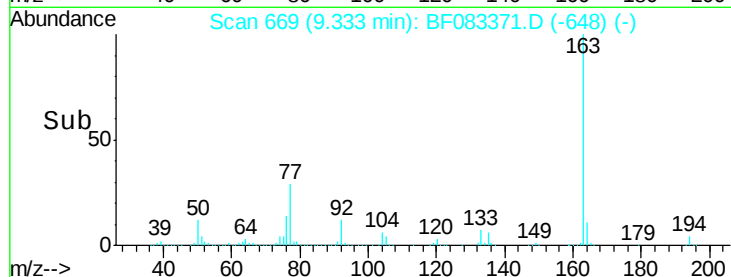
#50
2,6-Dinitrotoluene
Concen: 8.72 ng
RT: 9.33 min Scan# 669
Delta R.T. -0.06 min
Lab File: BF083371.D
Acq: 1 Dec 2015 9:50

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:165 Resp: 44804
Ion Ratio Lower Upper
165 100
63 182.4 56.0 84.0#
89 14.5 49.8 74.8#

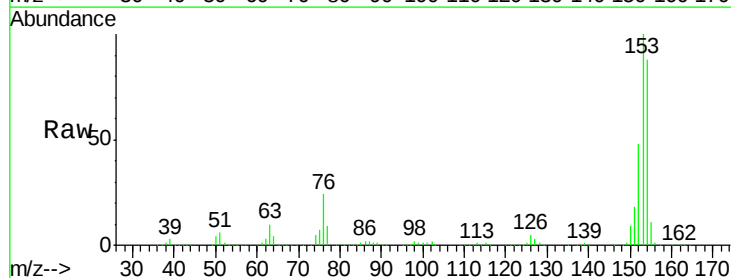


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

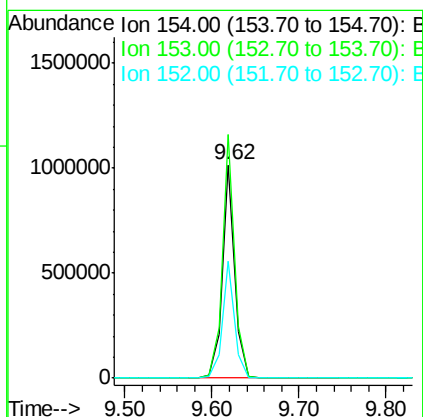
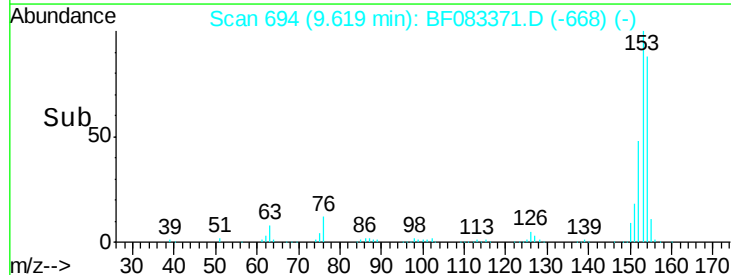


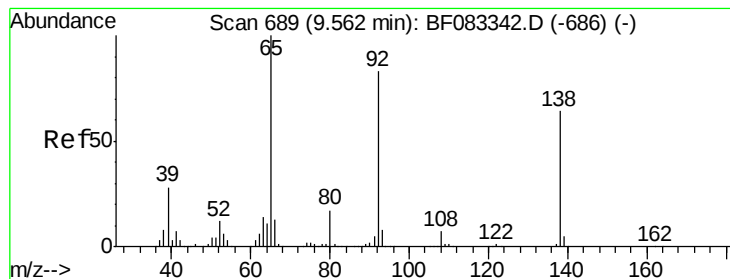
#51
Acenaphthene
Concen: 54.53 ng
RT: 9.62 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF083371.D
Acq: 1 Dec 2015 9:50

Tgt Ion:154 Resp: 1011863
Ion Ratio Lower Upper
154 100
153 114.2 89.3 133.9
152 54.7 42.5 63.7



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





#52

3-Nitroaniline

Concen: 11.73 ng

RT: 9.80 min Scan# 710

Delta R.T. 0.24 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

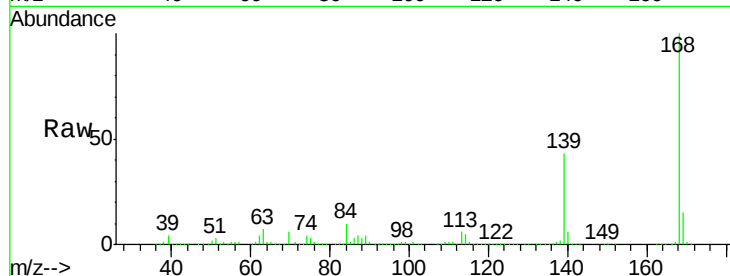
Tgt Ion:138 Resp: 70643

Ion Ratio Lower Upper

138 100

108 2.9 8.4 12.6#

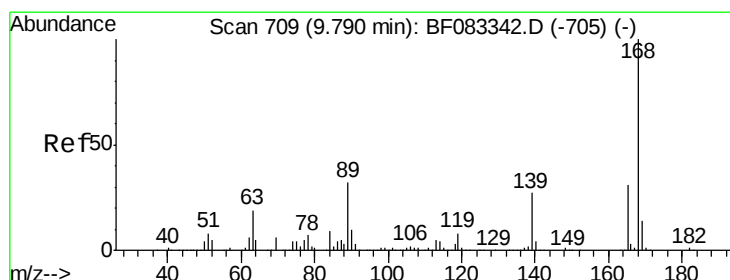
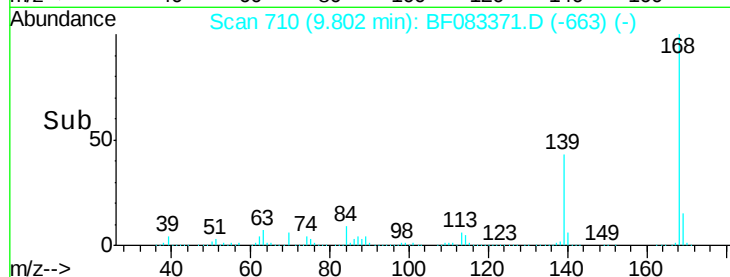
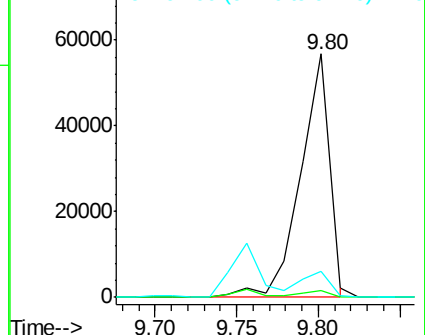
92 10.9 104.2 156.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#54

Dibenzofuran

Concen: 139.00 ng

RT: 9.80 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

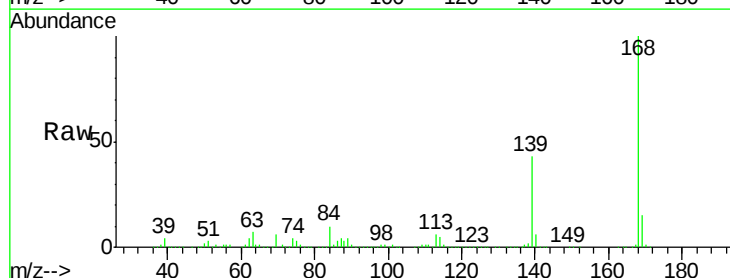
Tgt Ion:168 Resp: 3779899

Ion Ratio Lower Upper

168 100

139 43.1 32.7 49.1

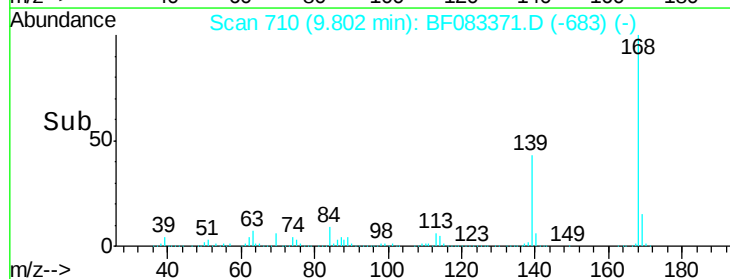
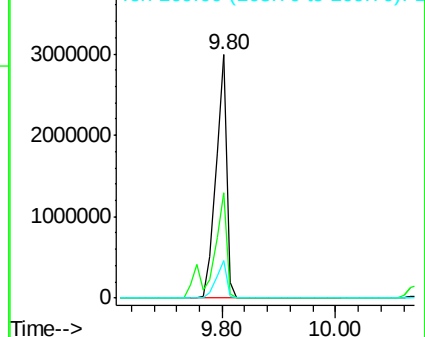
169 15.5 11.1 16.7

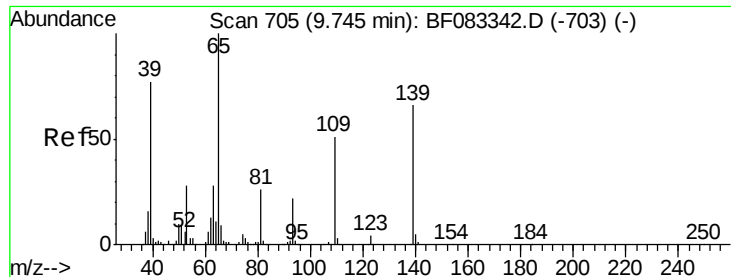


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 125.65 ng

RT: 9.76 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

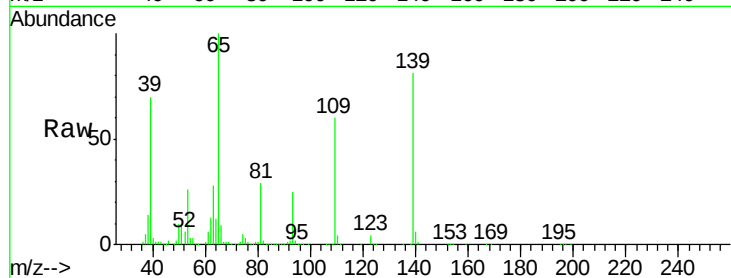
Tgt Ion:139 Resp: 473206

Ion Ratio Lower Upper

139 100

109 74.2 57.4 97.4

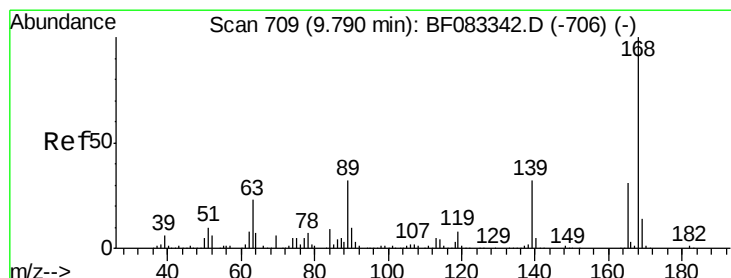
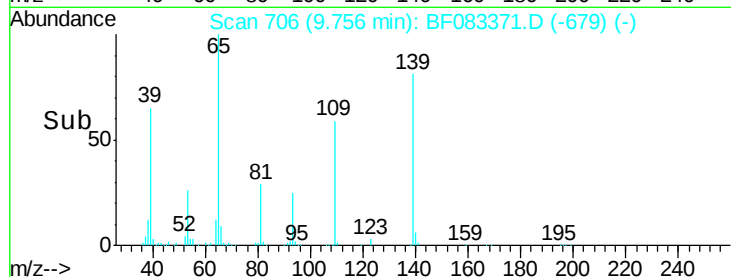
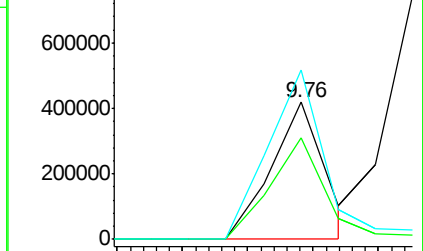
65 123.3 131.6 171.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.92 ng

RT: 9.58 min Scan# 691

Delta R.T. -0.21 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Tgt Ion:165 Resp: 38571

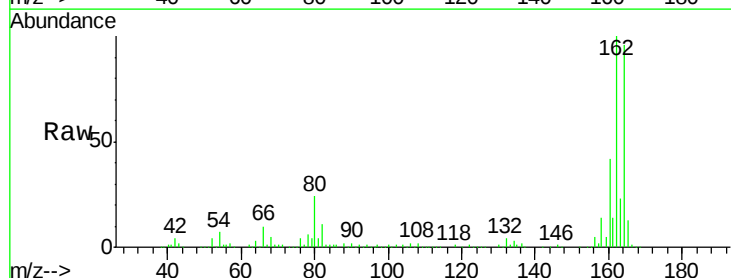
Ion Ratio Lower Upper

165 100

63 1.9 65.4 98.0#

89 1.9 81.2 121.8#

182 0.0 1.8 2.8#

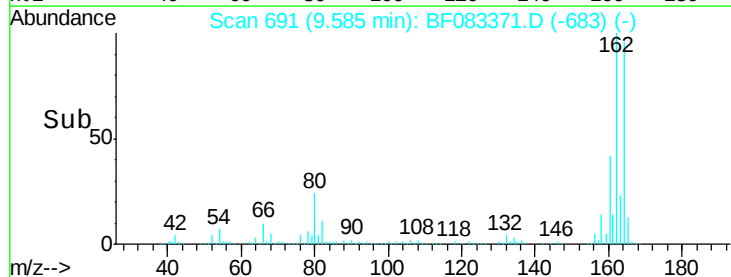
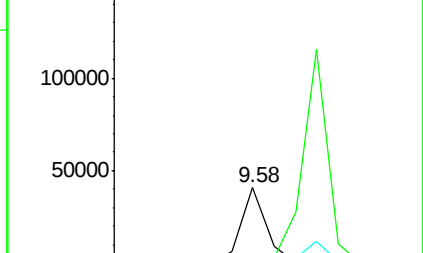


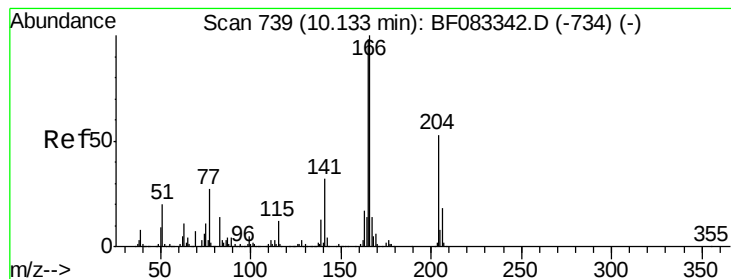
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 128.07 ng

RT: 10.14 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

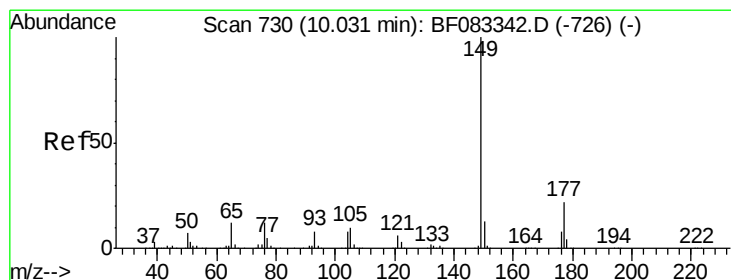
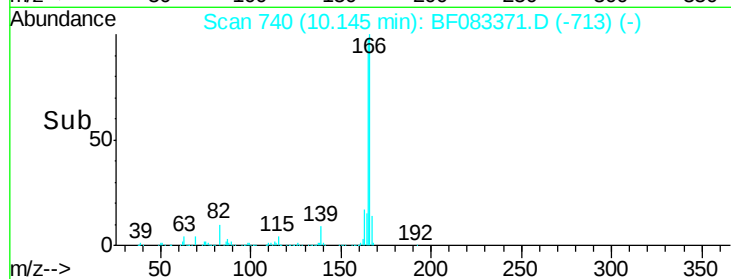
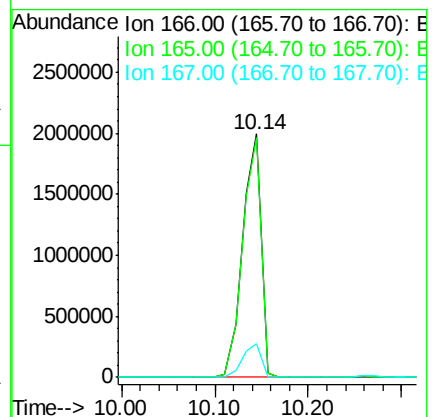
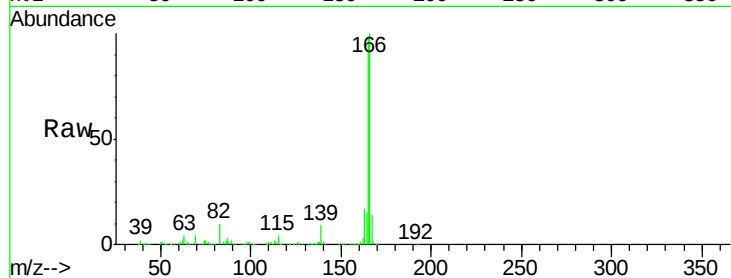
Tgt Ion:166 Resp: 2750131

Ion Ratio Lower Upper

166 100

165 98.3 78.3 117.5

167 14.0 11.1 16.7



#59

Diethylphthalate

Concen: 134.67 ng

RT: 10.04 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

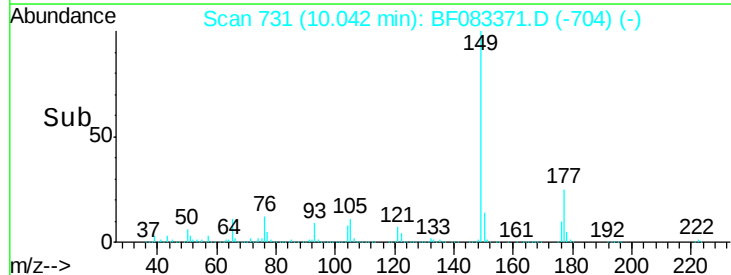
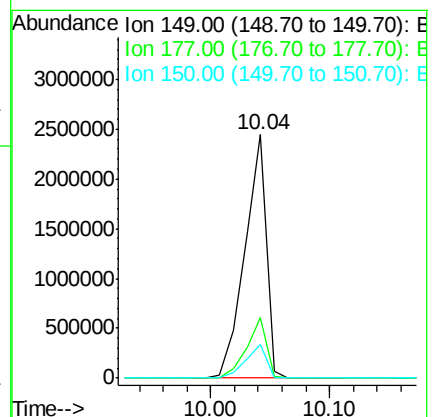
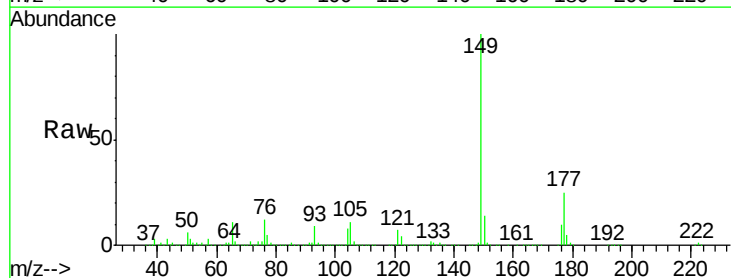
Tgt Ion:149 Resp: 3087513

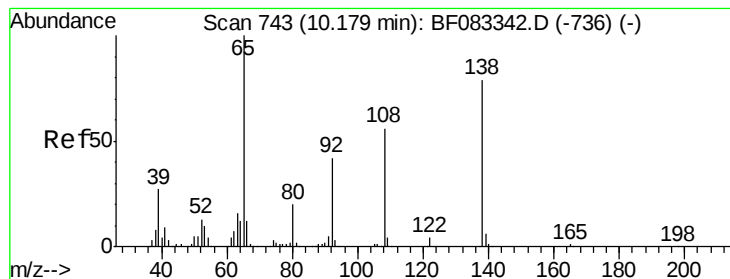
Ion Ratio Lower Upper

149 100

177 24.8 17.4 26.2

150 13.9 10.4 15.6





#61

4-Nitroaniline

Concen: 5.14 ng

RT: 10.14 min Scan# 740

Delta R.T. -0.03 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

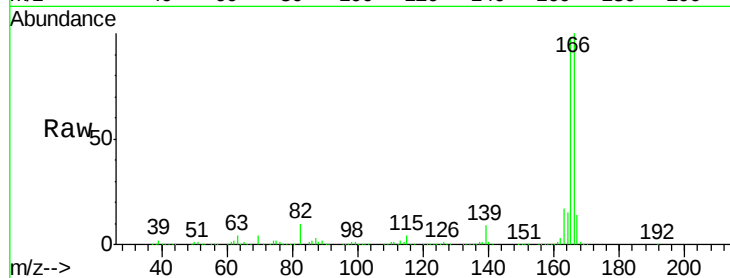
Tgt Ion:138 Resp: 30938

Ion Ratio Lower Upper

138 100

92 0.0 33.6 73.6#

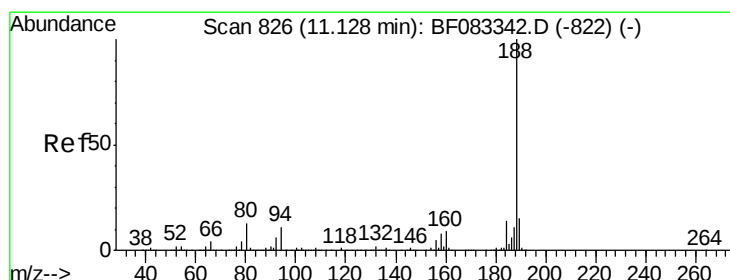
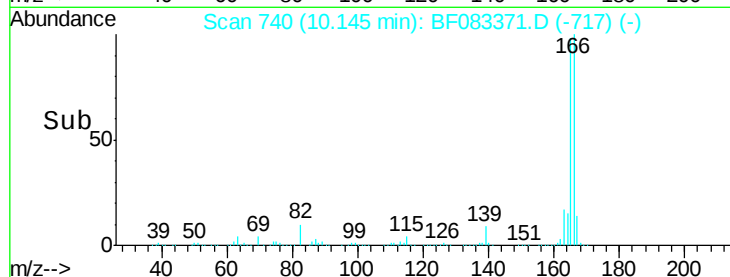
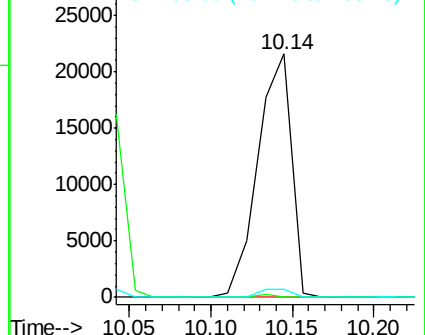
108 3.2 51.0 91.0#



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: 11.13 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

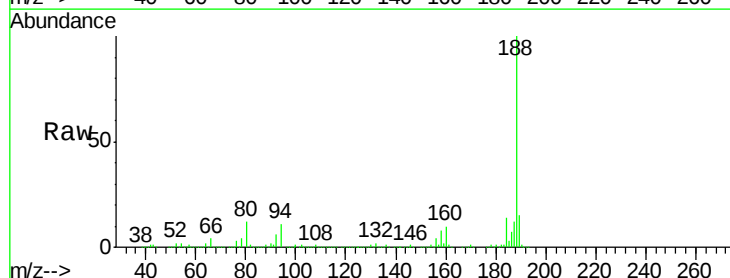
Tgt Ion:188 Resp: 565134

Ion Ratio Lower Upper

188 100

94 10.7 8.7 13.1

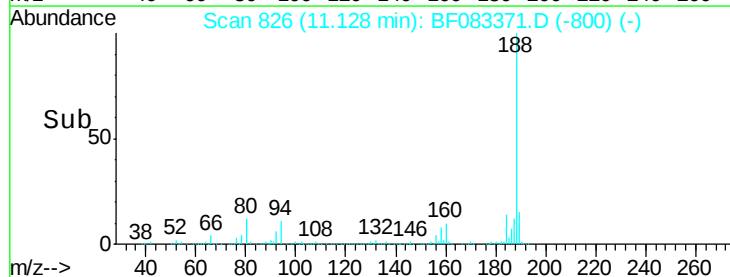
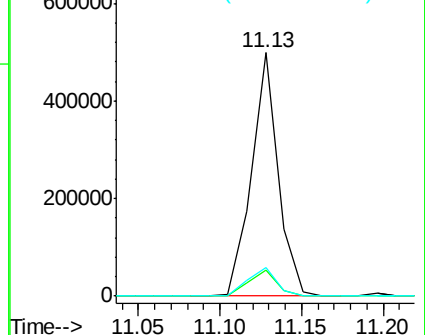
80 11.9 10.3 15.5

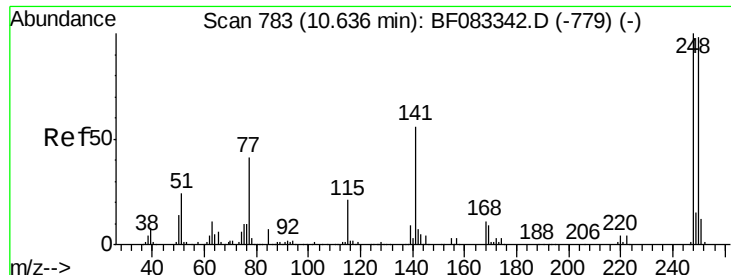


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

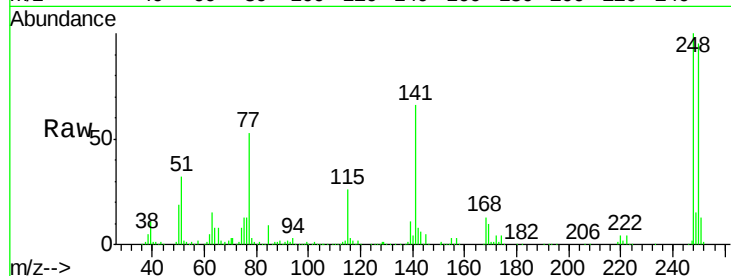




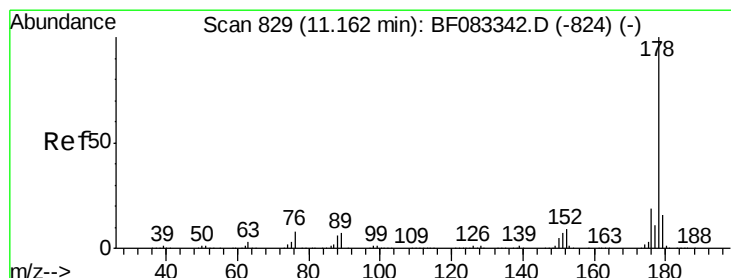
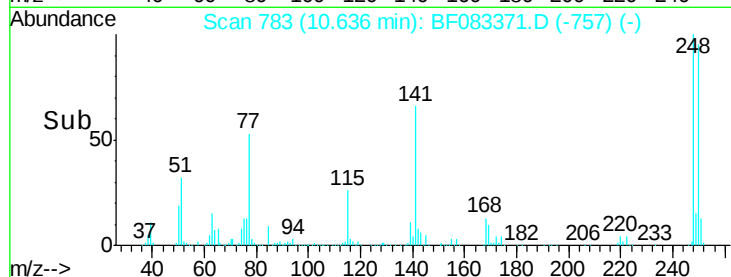
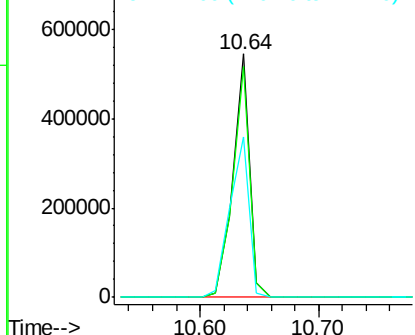
#66
 4-Bromophenyl-phenylether
 Concen: 85.66 ng
 RT: 10.64 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion: 248 Resp: 529561
 Ion Ratio Lower Upper
 248 100
 250 94.8 78.6 118.0
 141 66.1 44.4 66.6

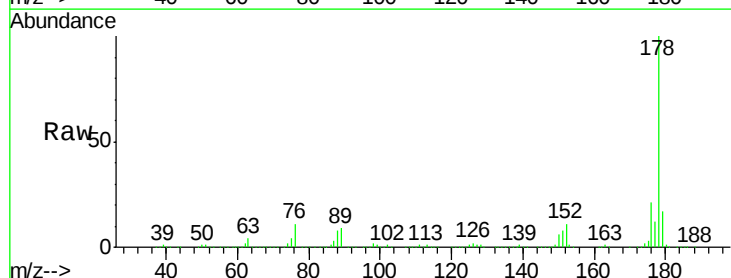


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

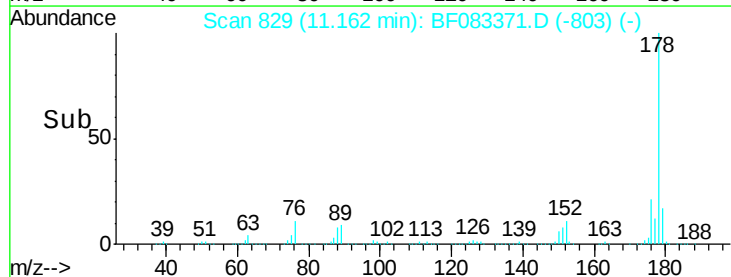
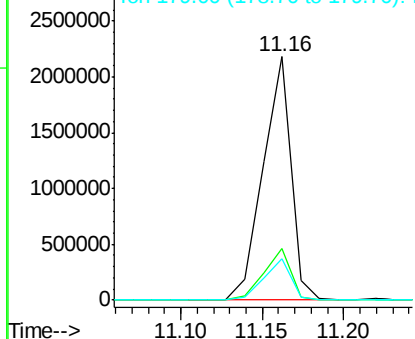


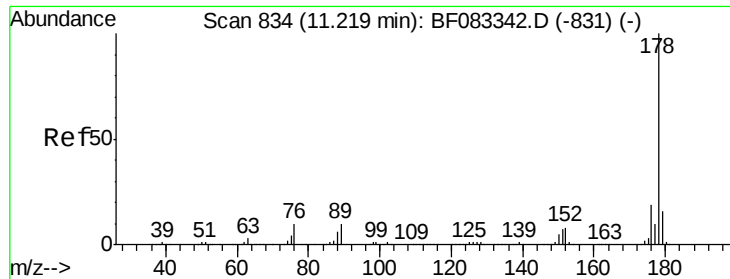
#70
 Phenanthrene
 Concen: 77.91 ng
 RT: 11.16 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion: 178 Resp: 2605649
 Ion Ratio Lower Upper
 178 100
 176 21.4 15.3 22.9
 179 16.8 12.4 18.6



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

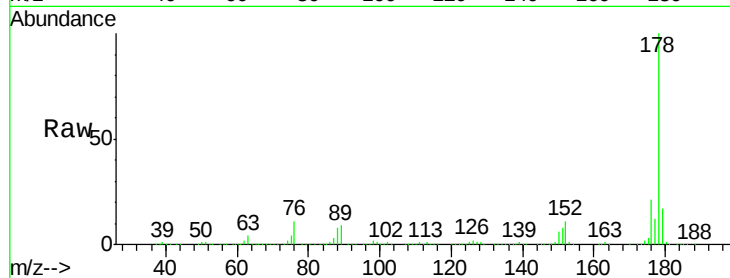




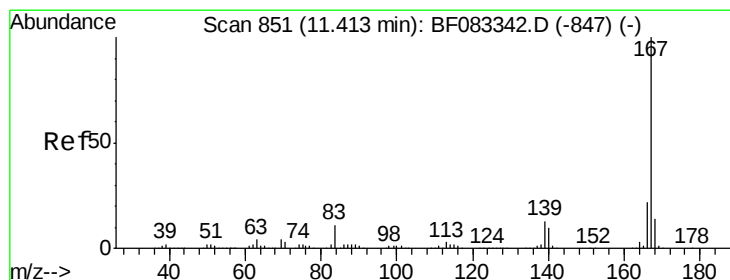
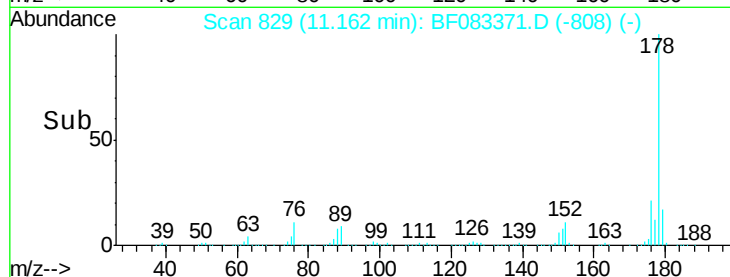
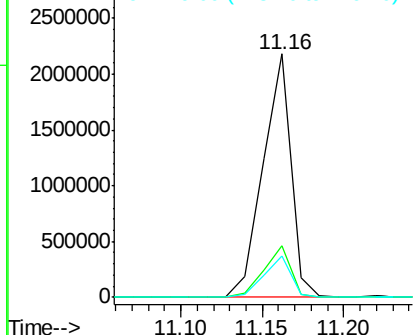
#71
 Anthracene
 Concen: 77.39 ng
 RT: 11.16 min Scan# 829
 Delta R.T. -0.06 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:178 Resp: 2605649
 Ion Ratio Lower Upper
 178 100
 176 21.4 15.6 23.4
 179 16.8 12.8 19.2

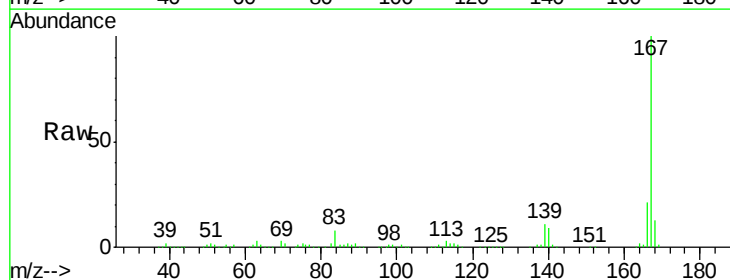


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

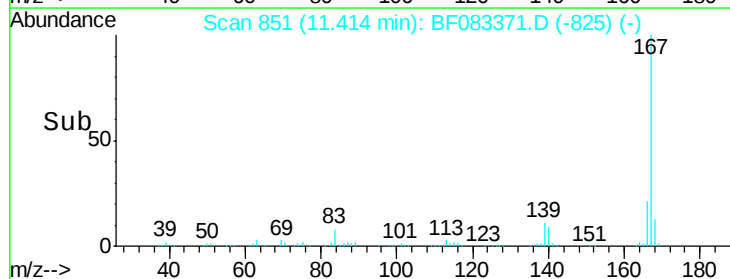
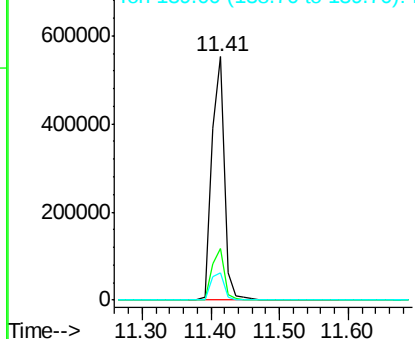


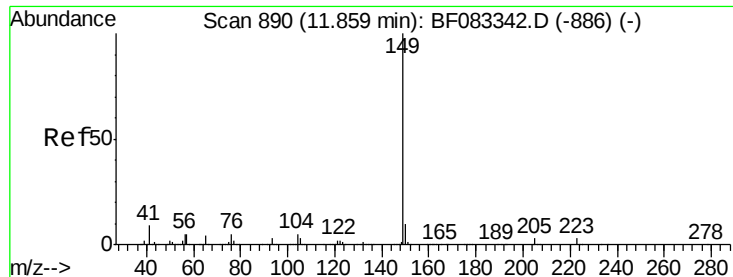
#72
 Carbazole
 Concen: 23.63 ng
 RT: 11.41 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion:167 Resp: 714809
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 11.4 10.5 15.7



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

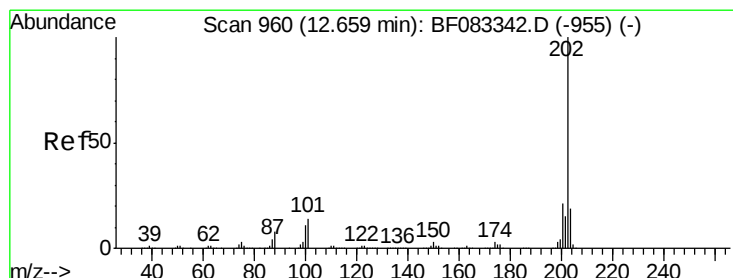
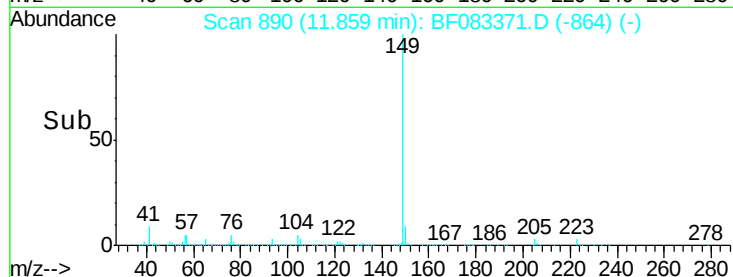
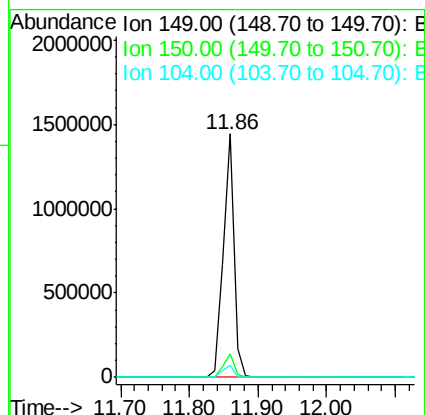
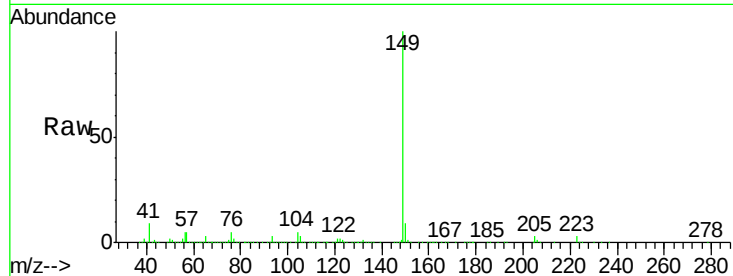




#73
Di-n-butylphthalate
Concen: 44.87 ng
RT: 11.86 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF083371.D
Acq: 1 Dec 2015 9:50

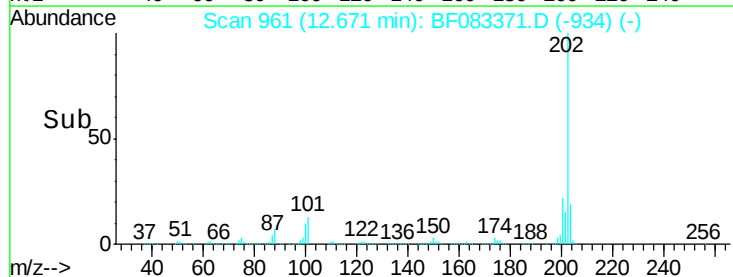
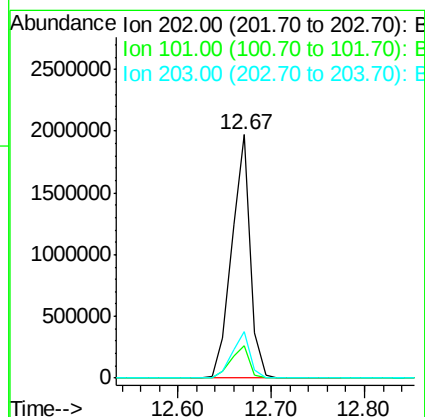
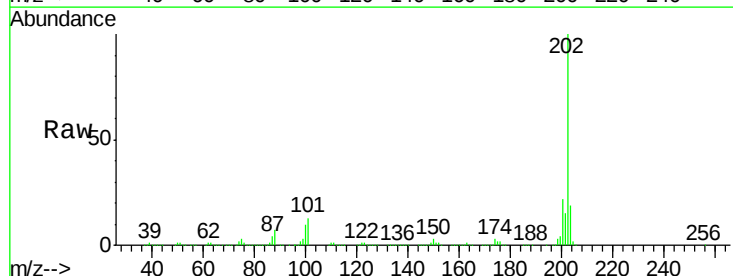
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

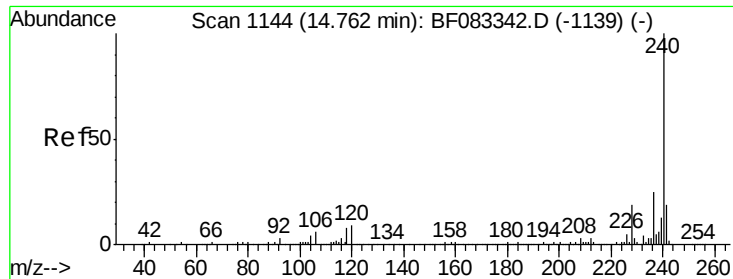
Tgt Ion:149 Resp: 1608715
Ion Ratio Lower Upper
149 100
150 9.4 7.7 11.5
104 4.9 4.0 6.0



#74
Fluoranthene
Concen: 78.66 ng
RT: 12.67 min Scan# 961
Delta R.T. 0.01 min
Lab File: BF083371.D
Acq: 1 Dec 2015 9:50

Tgt Ion:202 Resp: 2726912
Ion Ratio Lower Upper
202 100
101 13.1 0.0 34.5
203 19.2 0.0 38.7

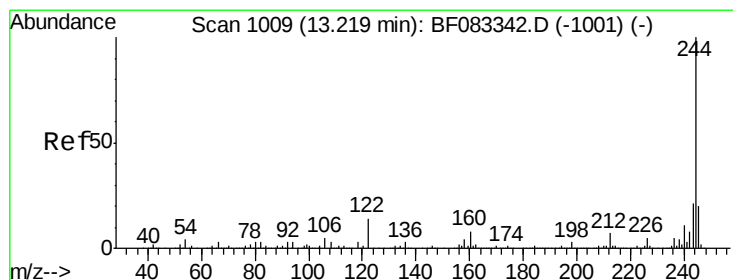
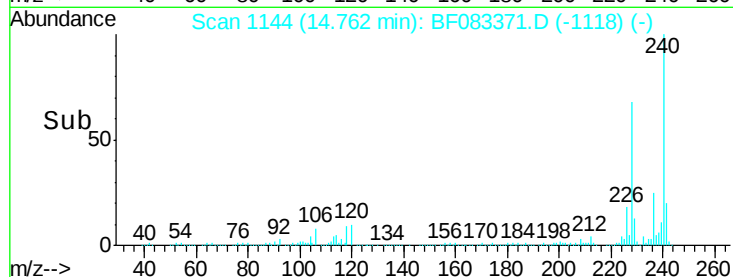
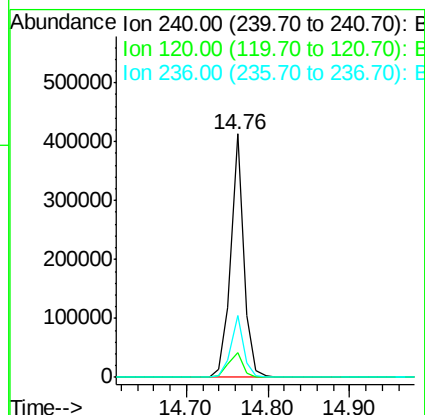
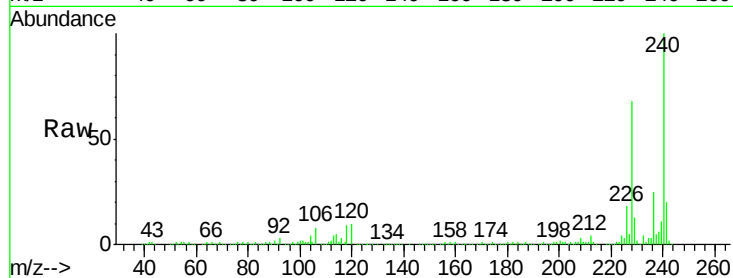




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.76 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

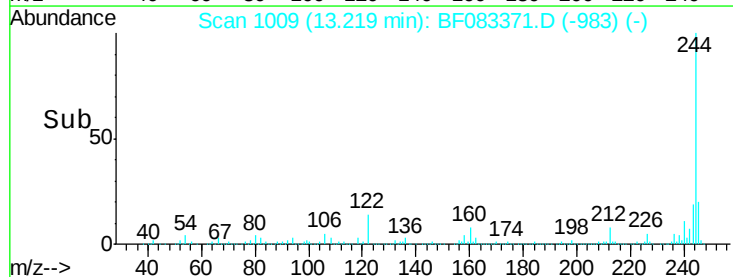
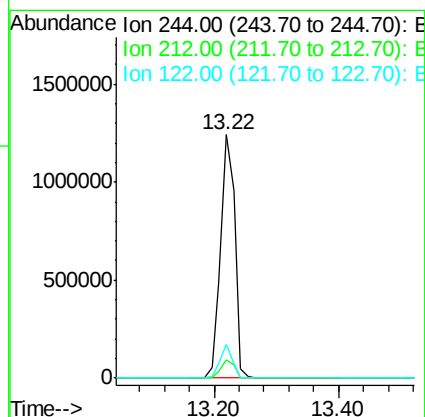
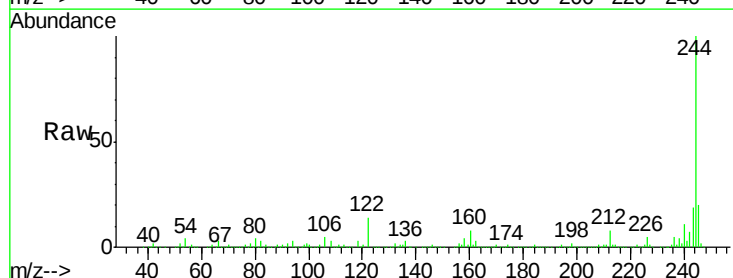
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

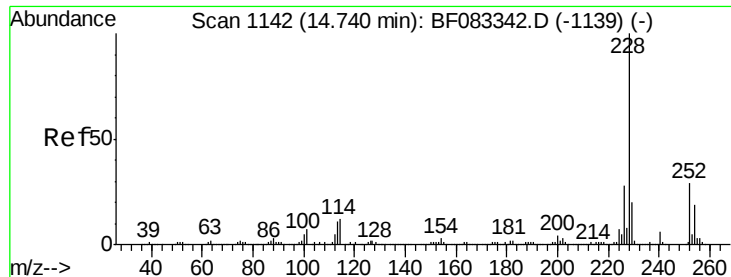
Tgt Ion:240 Resp: 459212
 Ion Ratio Lower Upper
 240 100
 120 10.3 6.9 10.3
 236 25.4 19.8 29.6



#78
 Terphenyl-d14
 Concen: 99.88 ng
 RT: 13.22 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion:244 Resp: 1923328
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.8 8.8
 122 13.9 11.0 16.4





#80

Benzo(a)anthracene

Concen: 90.93 ng

RT: 14.75 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

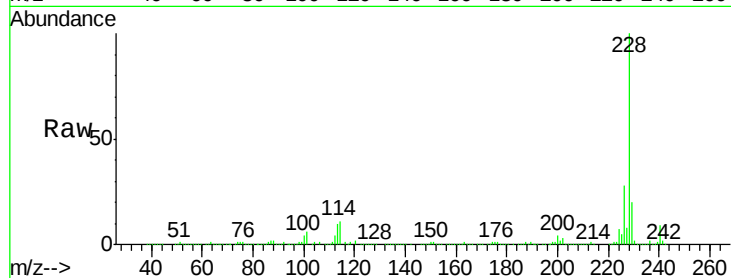
Tgt Ion:228 Resp: 2558151

Ion Ratio Lower Upper

228 100

226 28.3 22.2 33.4

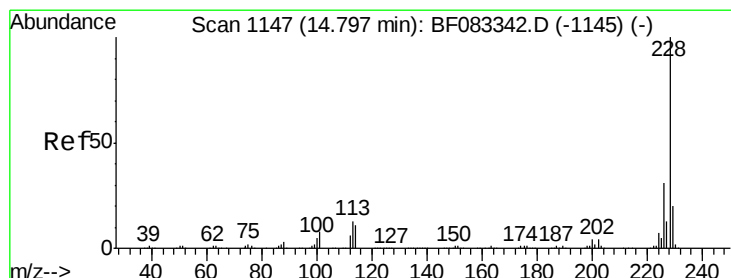
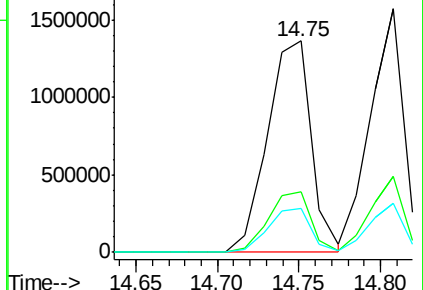
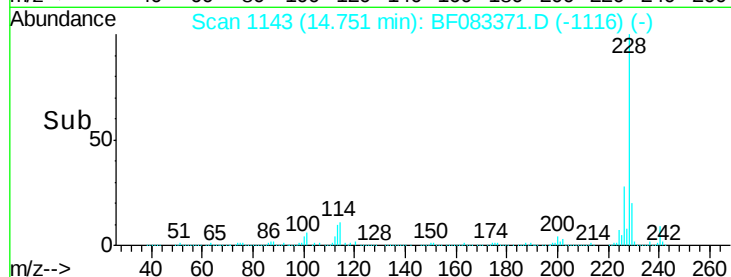
229 20.5 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 83.62 ng

RT: 14.81 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

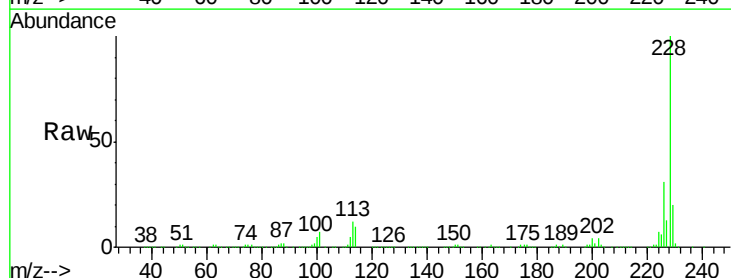
Tgt Ion:228 Resp: 2272815

Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

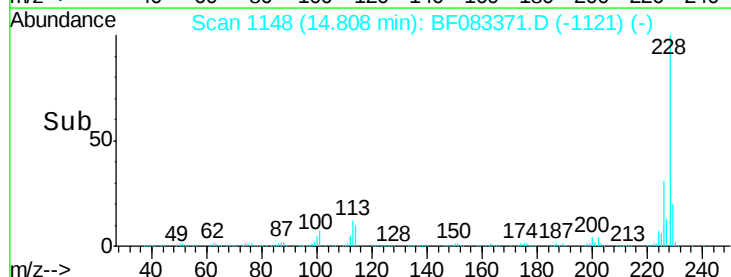
229 20.3 16.2 24.2



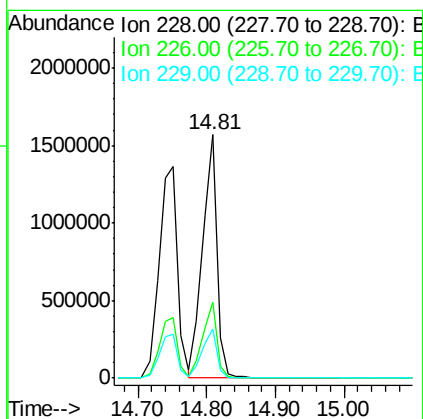
Abundance Ion 228.00 (227.70 to 228.70): E

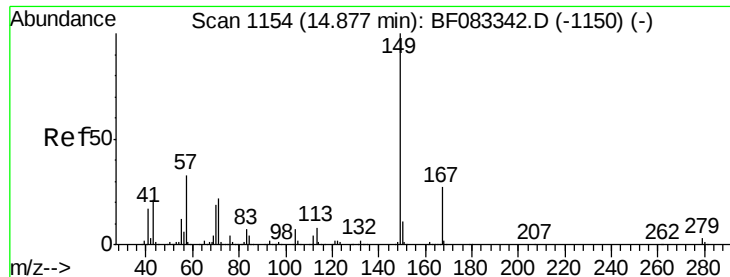
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#83

Bis(2-ethylhexyl)phthalate

Concen: 110.10 ng

RT: 14.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

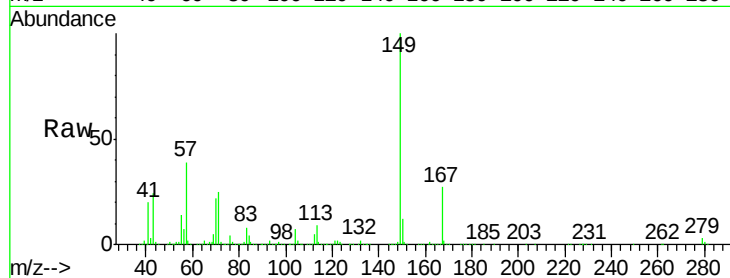
Tgt Ion:149 Resp: 2009245

Ion Ratio Lower Upper

149 100

167 26.8 21.5 32.3

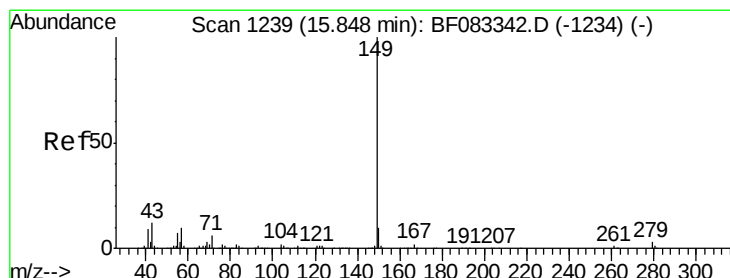
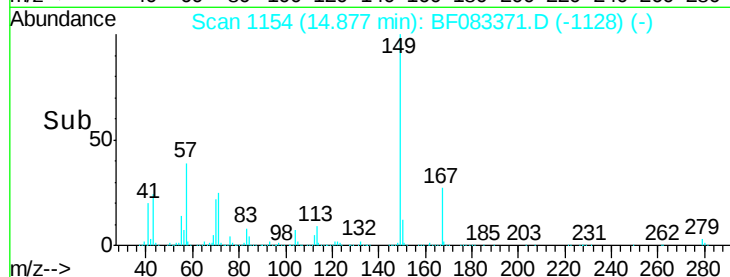
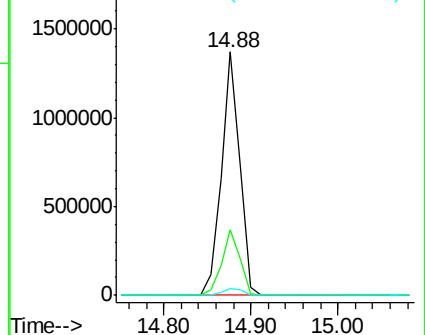
279 2.7 2.6 3.8



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: 100.36 ng

RT: 15.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

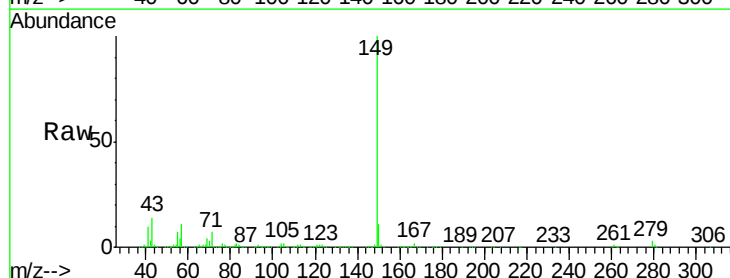
Tgt Ion:149 Resp: 2727402

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

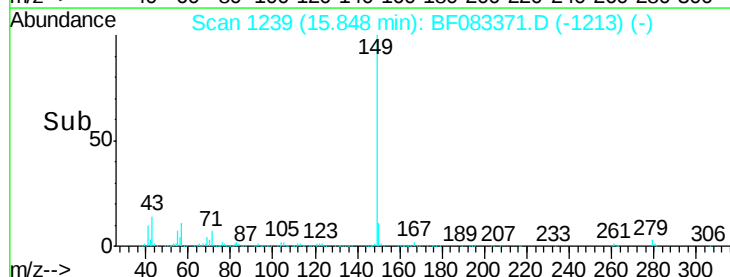
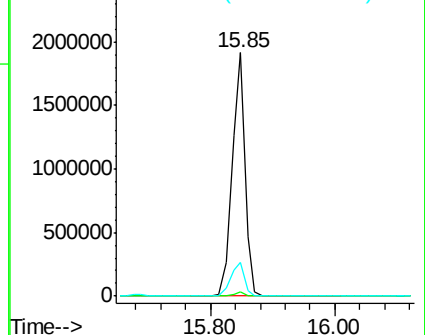
43 14.5 11.0 16.6

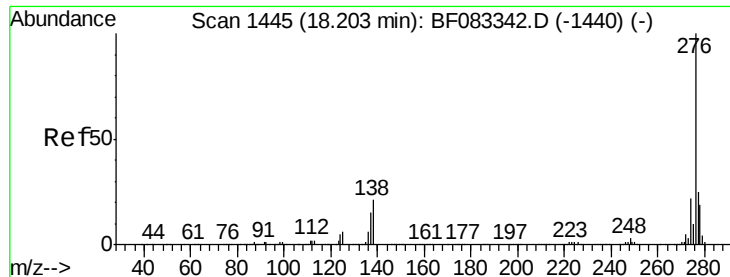


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

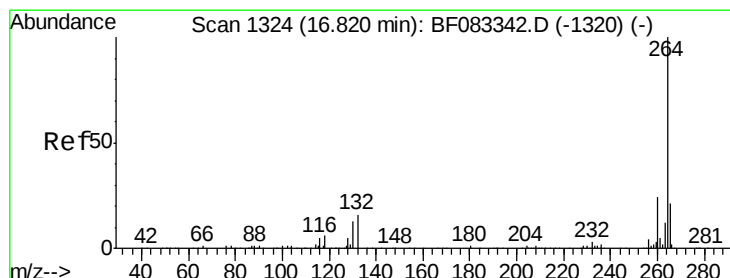
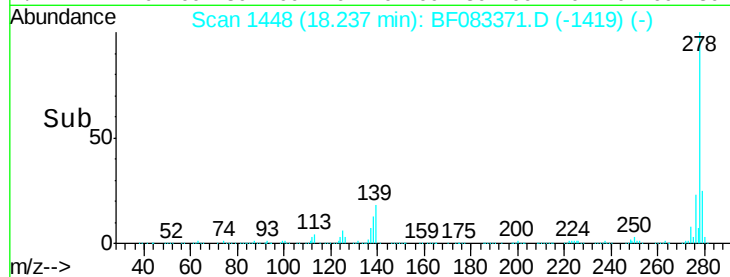
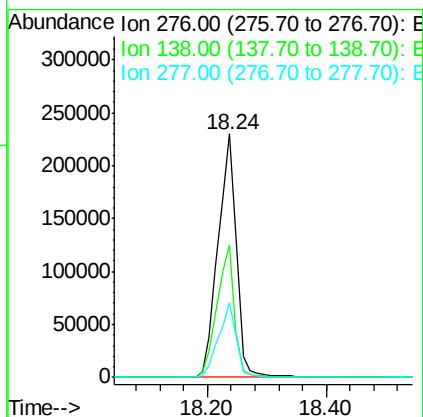
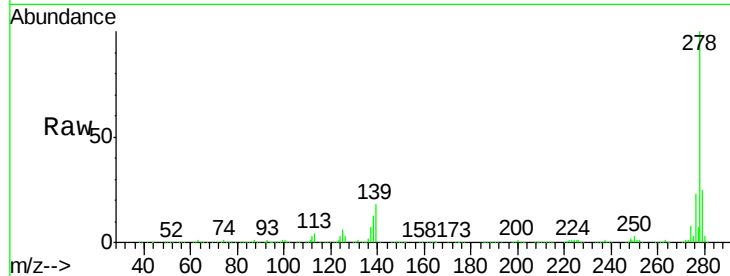




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 25.23 ng
 RT: 18.24 min Scan# 1448
 Delta R.T. 0.03 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

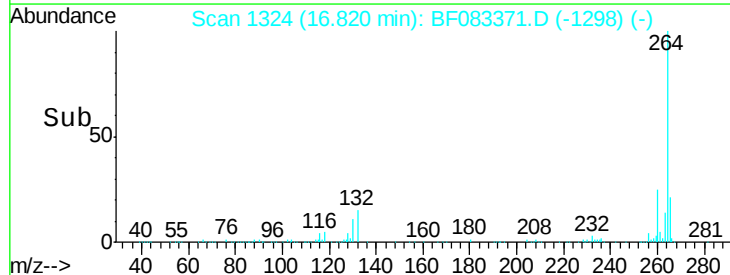
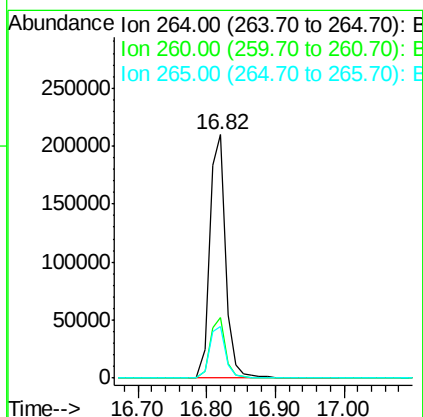
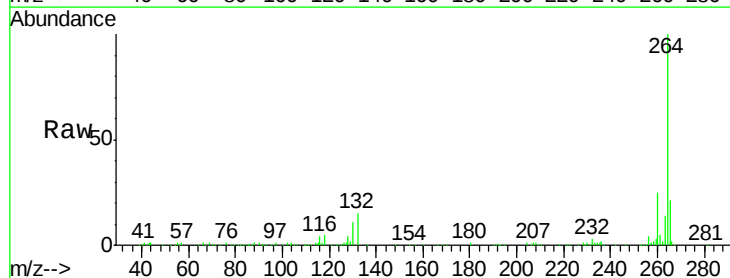
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

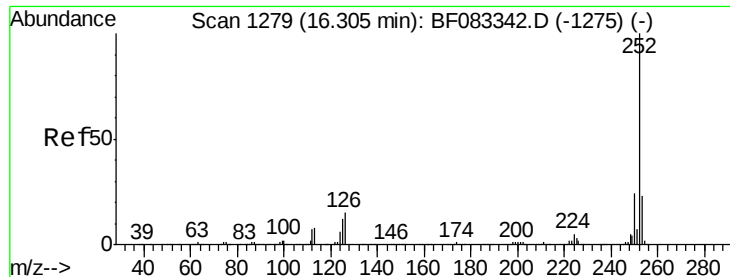
Tgt Ion: 276 Resp: 499454
 Ion Ratio Lower Upper
 276 100
 138 51.7 21.2 31.8#
 277 29.5 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.82 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF083371.D
 Acq: 1 Dec 2015 9:50

Tgt Ion: 264 Resp: 340974
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.0 28.4
 265 21.1 16.8 25.2

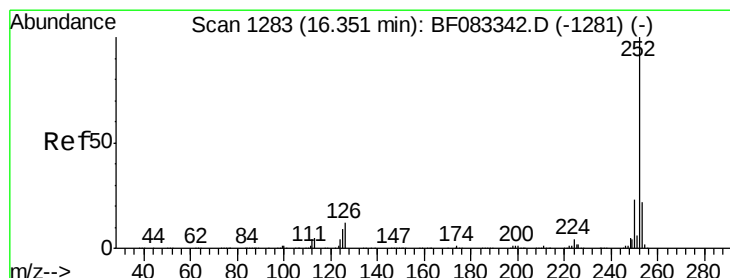
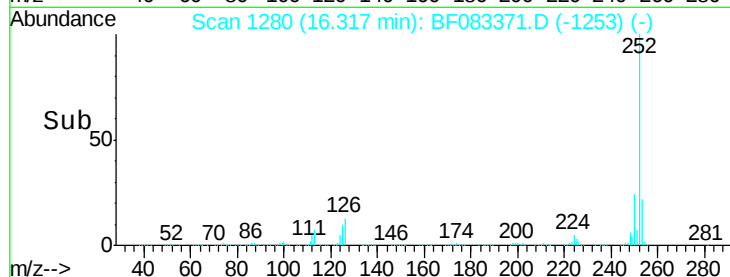
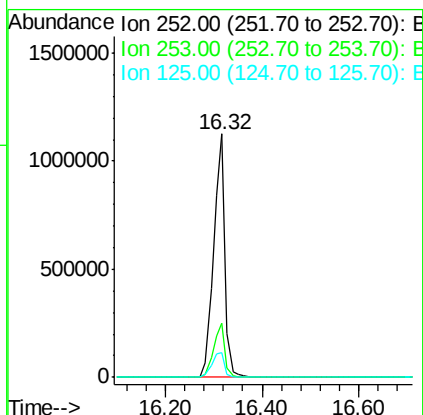
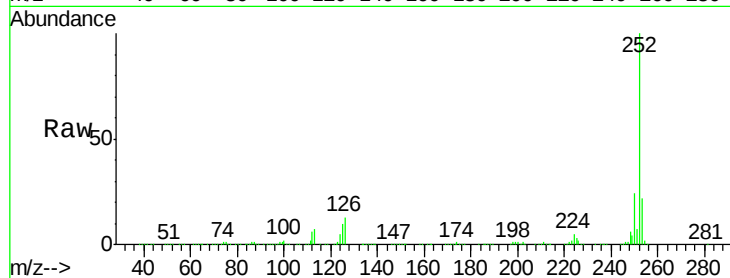




#87
Benzo(b)fluoranthene
Concen: 85.41 ng
RT: 16.32 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF083371.D
Acq: 1 Dec 2015 9:50

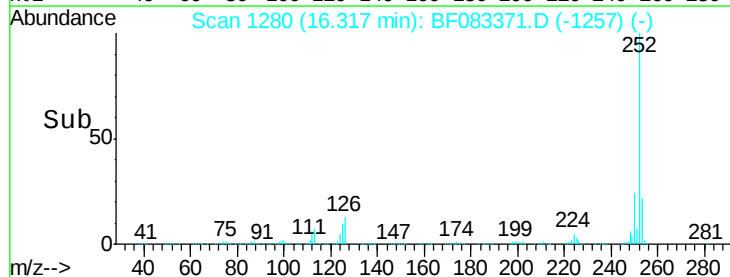
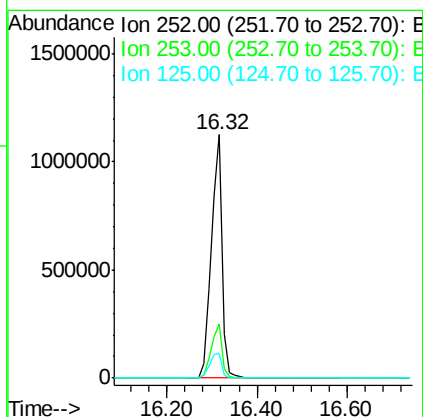
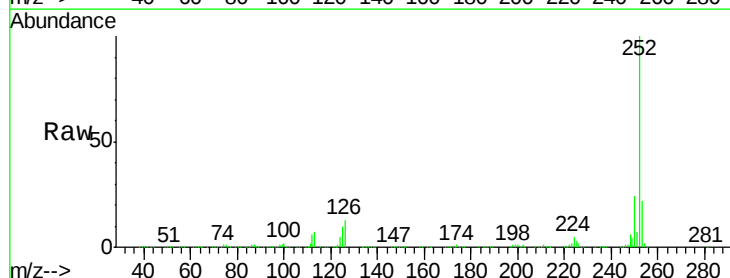
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

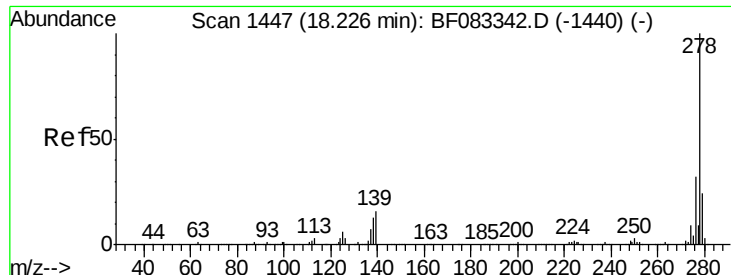
Tgt Ion:252 Resp: 1868586
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 10.0 9.6 14.4



#88
Benzo(k)fluoranthene
Concen: 90.46 ng
RT: 16.32 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF083371.D
Acq: 1 Dec 2015 9:50

Tgt Ion:252 Resp: 1868784
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 10.0 7.5 11.3





#90

Dibenzo(a,h)anthracene

Concen: 130.44 ng

RT: 18.24 min Scan# 1448

Delta R.T. 0.01 min

Lab File: BF083371.D

Acq: 1 Dec 2015 9:50

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

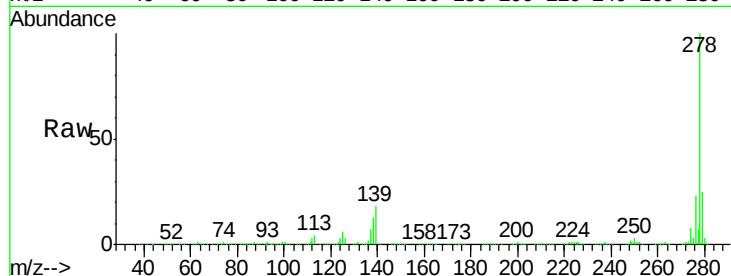
Tgt Ion:278 Resp: 2135954

Ion Ratio Lower Upper

278 100

139 18.1 13.1 19.7

279 24.6 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

