

Data Path : S:\HPCHEM1\BNA_F\DATA\BF080415\
 Data File : BF080876.D
 Acq On : 5 Aug 2015 11:40
 Operator : TP/UM
 Sample : G3186-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Quant Time: Aug 05 14:22:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 05 01:46:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	52757	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	184246	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	73304	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	112563	20.00	ng	0.00
75) Chrysene-d12	13.96	240	101619	20.00	ng	0.00
86) Perylene-d12	15.38	264	127885	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	458647	131.58	ng	0.01
7) Phenol-d6	6.45	99	550836	120.88	ng	0.00
23) Nitrobenzene-d5	7.39	82	377480	96.55	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	79089	111.88	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	503112	92.42	ng	0.00
78) Terphenyl-d14	12.92	244	270995	48.27	ng	0.00

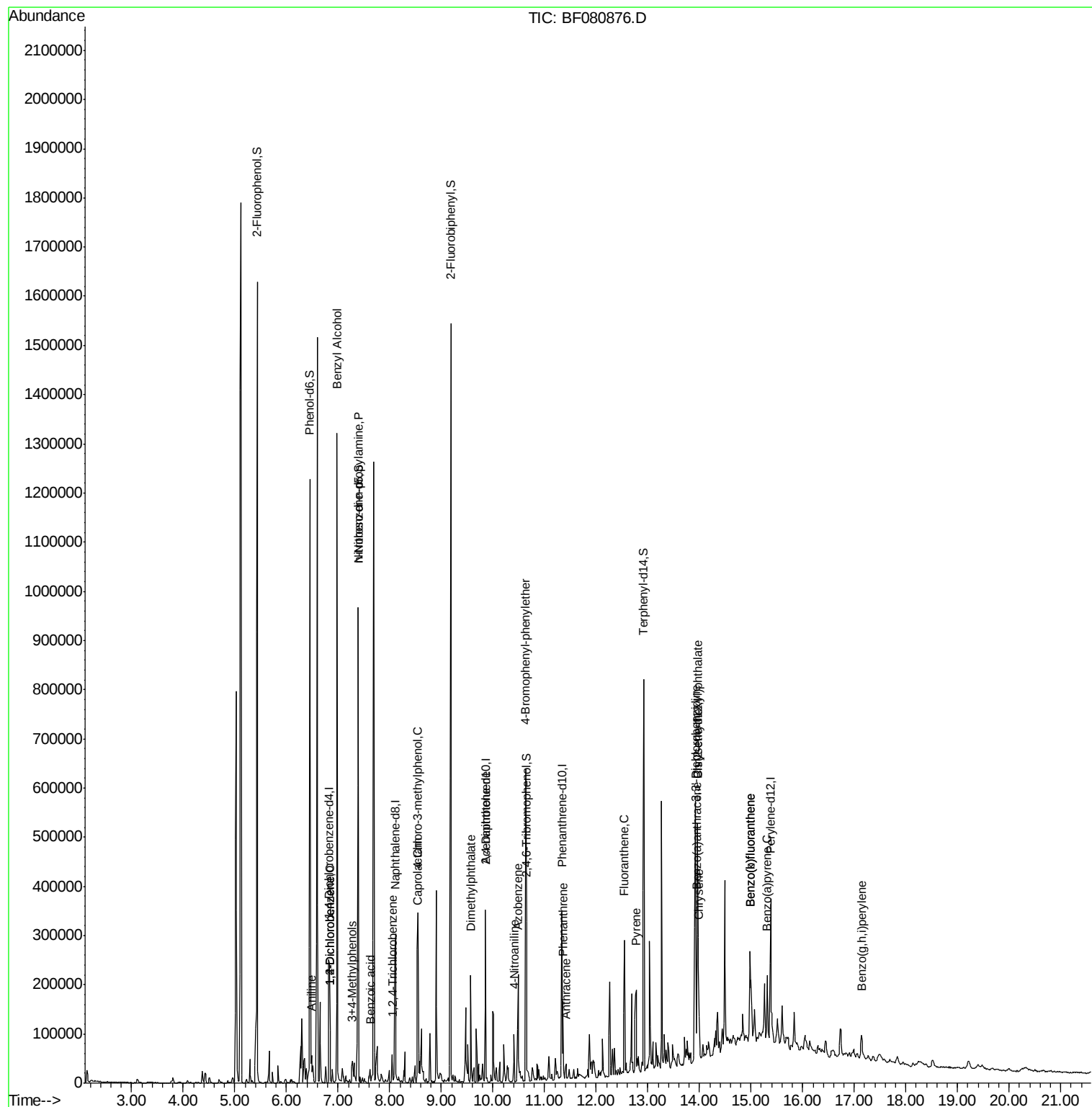
Target Compounds						Qvalue
6) Aniline	6.49	93	25884	3.90	ng	96
13) 1,4-Dichlorobenzene	6.84	146	18905	4.50	ng	99
14) 1,2-Dichlorobenzene	6.84	146	18905	4.77	ng	96
15) Benzyl Alcohol	6.98	79	20821	7.00	ng	# 66
19) n-Nitroso-di-n-propylamine	7.39	70	49203	16.71	ng	# 71
20) 3+4-Methylphenols	7.26	107	10944	2.76	ng	# 27
30) 1,2,4-Trichlorobenzene	8.05	180	12737	4.38	ng	90
32) Benzoic acid	7.62	122	1209	3.20	ng	# 49
35) Caprolactam	8.53	113	5410	7.41	ng	# 3
36) 4-Chloro-3-methylphenol	8.54	107	63431	22.61	ng	96
49) Dimethylphthalate	9.57	163	63448	11.87	ng	99
56) 2,4-Dinitrotoluene	9.86	165	9347	6.62	ng	# 13
61) 4-Nitroaniline	10.41	138	11569	9.39	ng	98
62) Azobenzene	10.49	77	14361	2.32	ng	# 46
66) 4-Bromophenyl-phenylether	10.64	248	4879	3.92	ng	# 1
70) Phenanthrene	11.36	178	51320	7.89	ng	99
71) Anthracene	11.41	178	13119	2.08	ng	97
74) Fluoranthene	12.55	202	116677	18.42	ng	99
77) Pyrene	12.77	202	100034	10.97	ng	98
80) Benzo(a)anthracene	13.95	228	76967	11.32	ng	97
81) 3,3'-Dichlorobenzidine	13.93	252	111407	44.11	ng	# 93
82) Chrysene	13.99	228	60572	8.74	ng	96
83) Bis(2-ethylhexyl)phthalate	13.96	149	20259	4.07	ng	99
87) Benzo(b)fluoranthene	14.98	252	141335	14.77	ng	99
88) Benzo(k)fluoranthene	14.98	252	141112	19.16	ng	# 97
89) Benzo(a)pyrene	15.31	252	68966	8.83	ng	# 93
91) Benzo(g,h,i)perylene	17.14	276	36763	5.61	ng	96

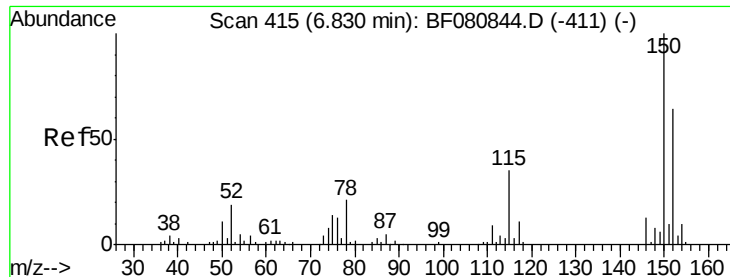
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4

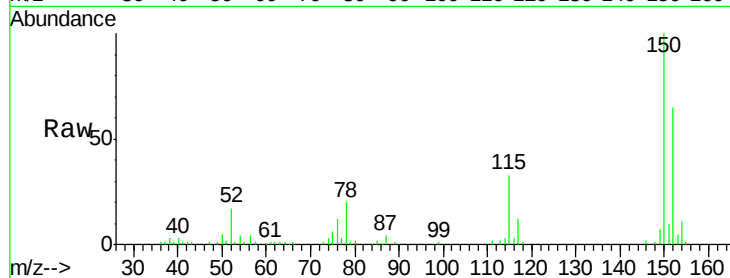
Tgt Ion:152 Resp: 52757

Ion Ratio Lower Upper

152 100

150 153.8 124.6 187.0

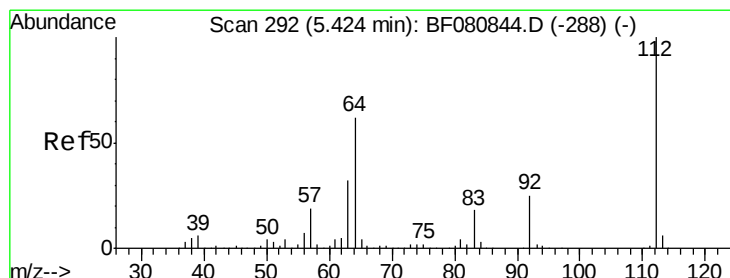
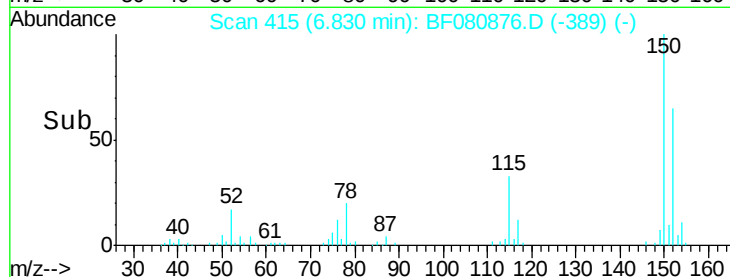
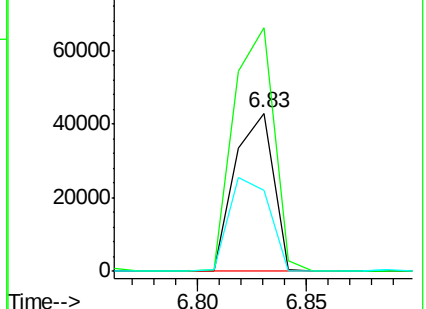
115 51.4 44.2 66.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 131.58 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

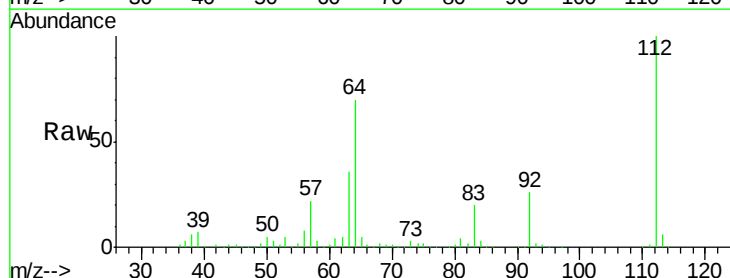
Tgt Ion:112 Resp: 458647

Ion Ratio Lower Upper

112 100

64 70.1 49.5 74.3

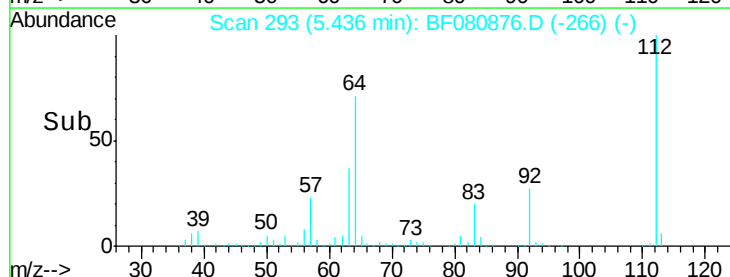
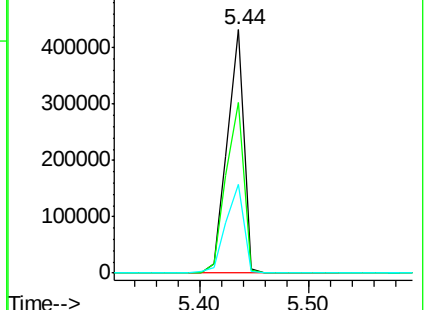
63 36.3 25.3 37.9

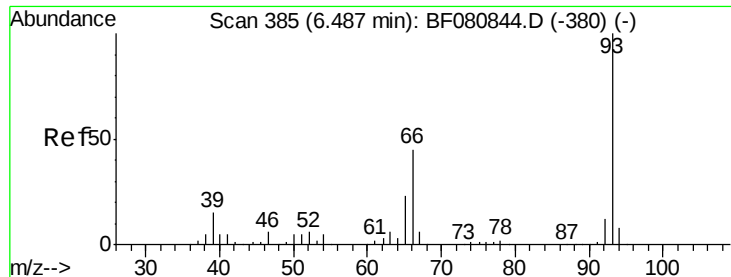


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 3.90 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4

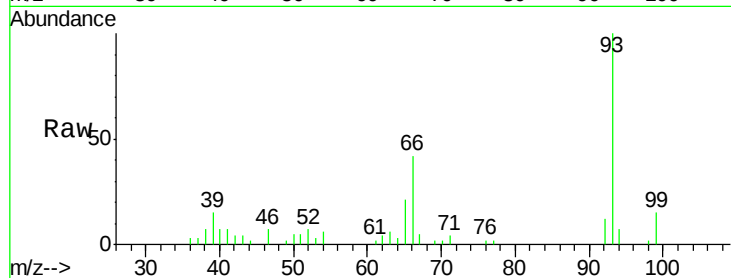
Tgt Ion: 93 Resp: 25884

Ion Ratio Lower Upper

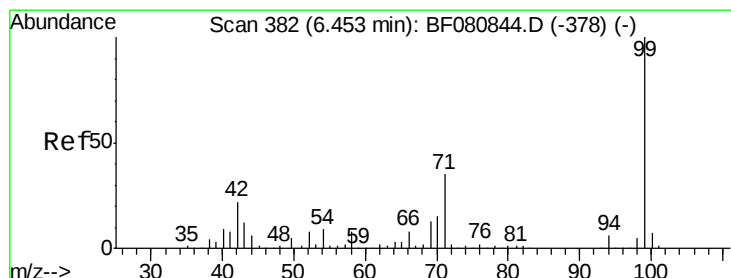
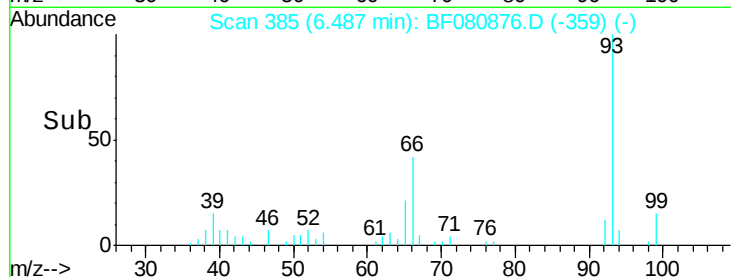
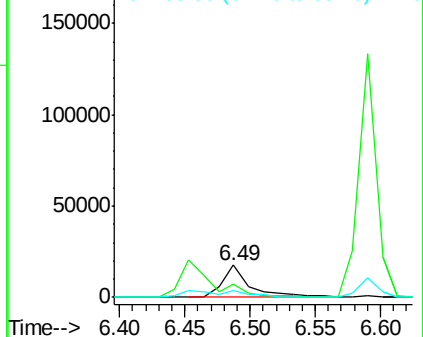
93 100

66 41.7 35.8 53.6

65 21.4 18.2 27.2



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 120.88 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

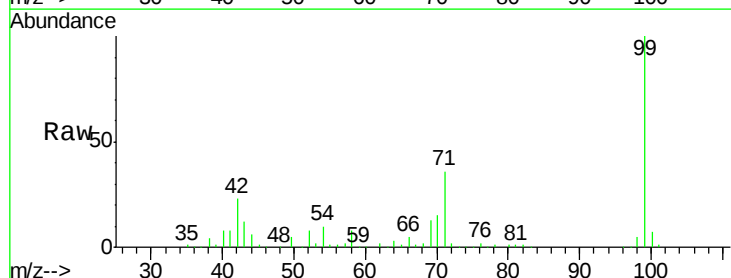
Tgt Ion: 99 Resp: 550836

Ion Ratio Lower Upper

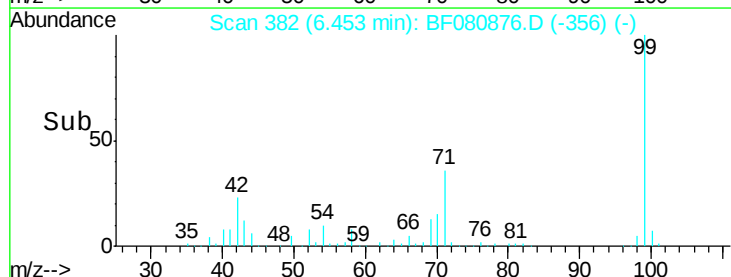
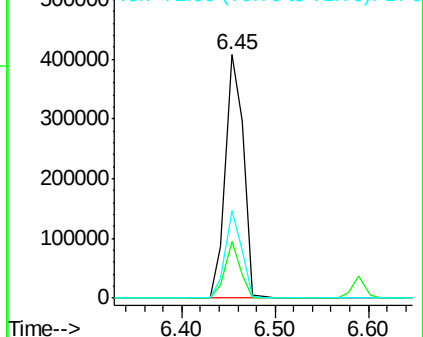
99 100

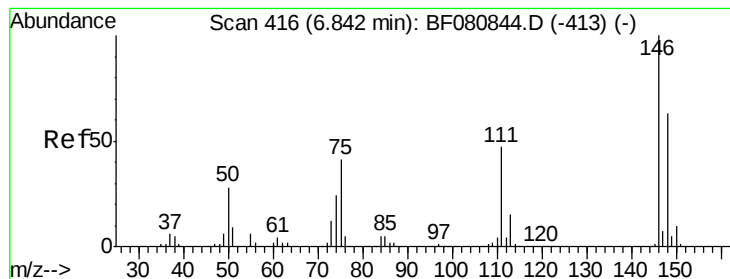
42 23.2 17.9 26.9

71 35.7 28.2 42.4



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

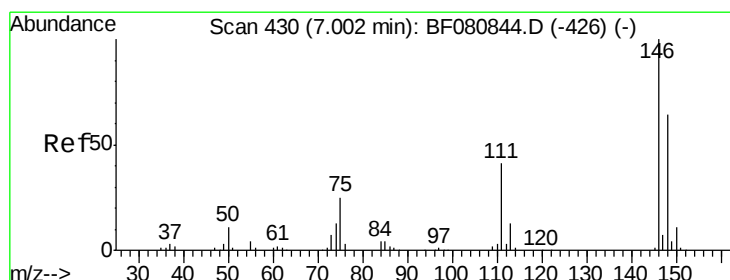
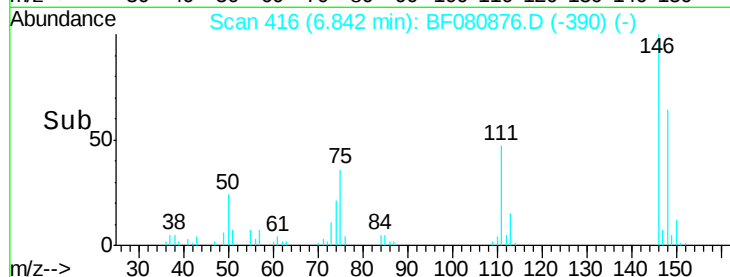
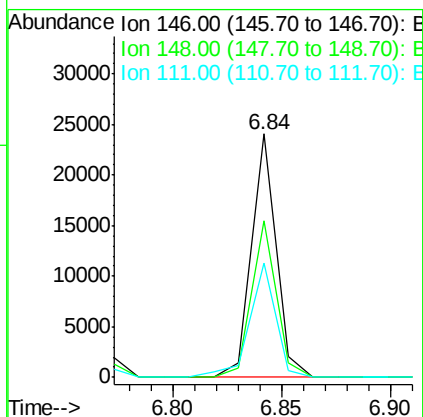
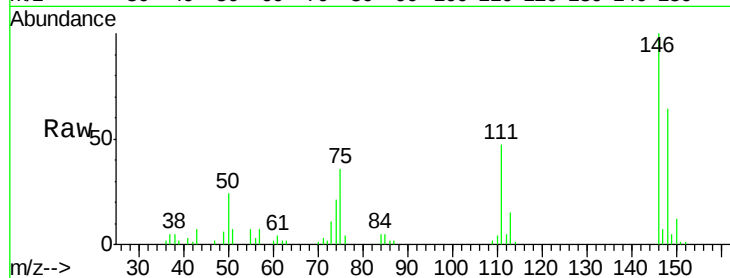




#13
 1,4-Dichlorobenzene
 Concen: 4.50 ng
 RT: 6.84 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

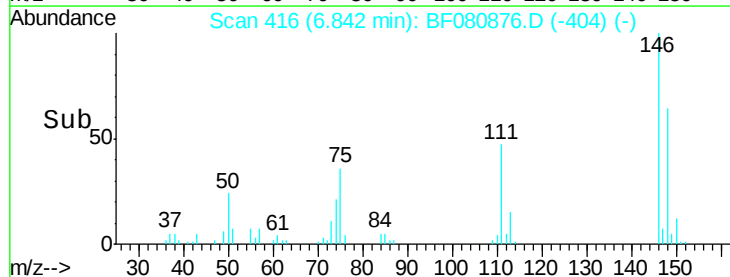
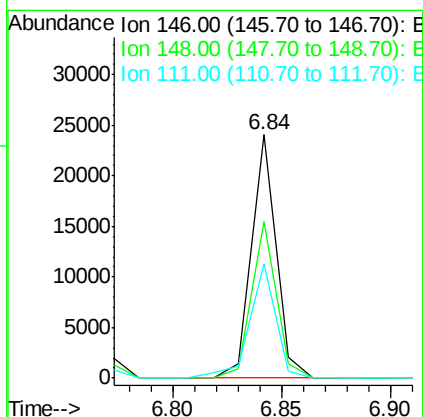
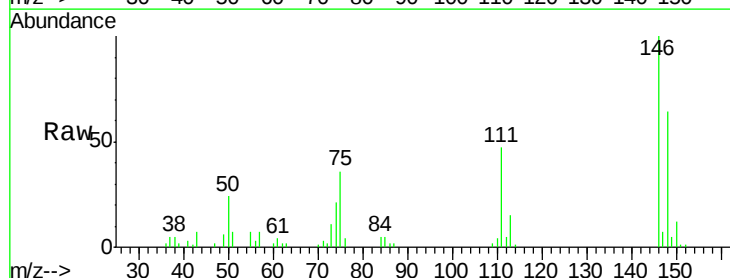
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

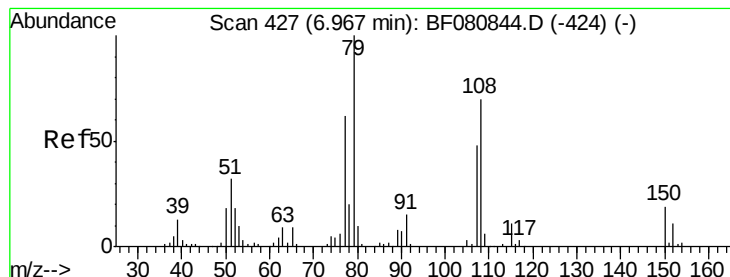
Tgt Ion:146 Resp: 18905
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.5 75.7
 111 47.1 38.0 57.0



#14
 1,2-Dichlorobenzene
 Concen: 4.77 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.16 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion:146 Resp: 18905
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.0 76.6
 111 47.1 32.7 49.1





#15

Benzyl Alcohol

Concen: 7.00 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4

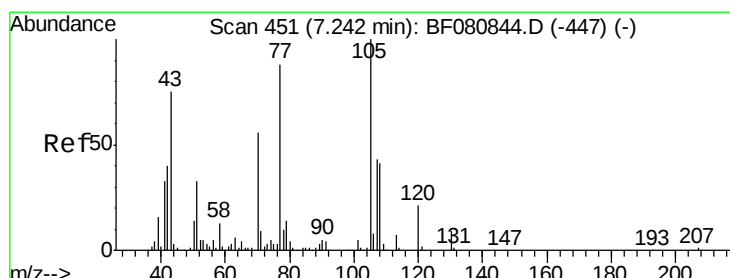
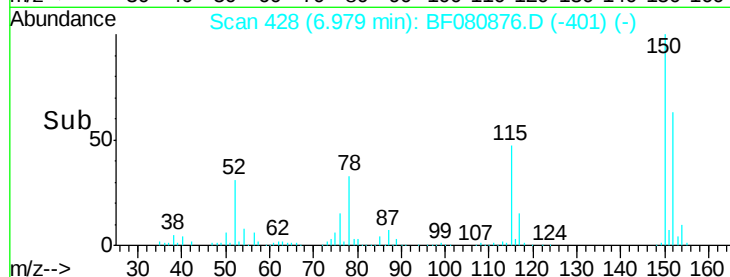
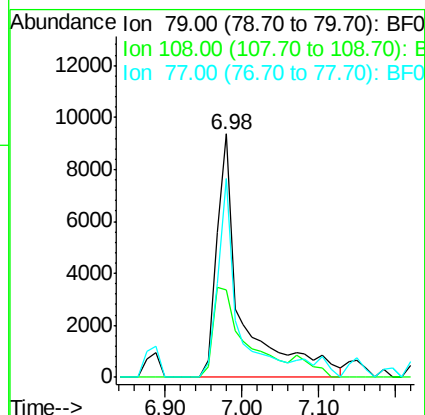
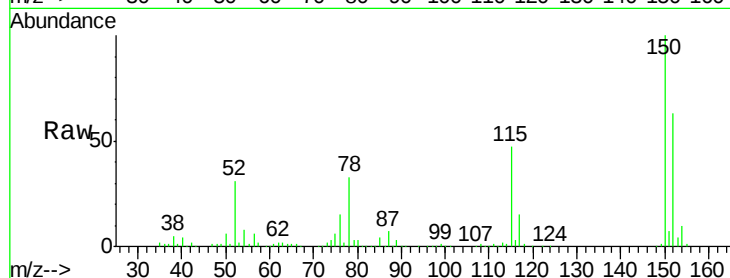
Tgt Ion: 79 Resp: 20821

Ion Ratio Lower Upper

79 100

108 36.1 55.9 83.9#

77 81.7 49.4 74.2#



#19

n-Nitroso-di-n-propylamine

Concen: 16.71 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Tgt Ion: 70 Resp: 49203

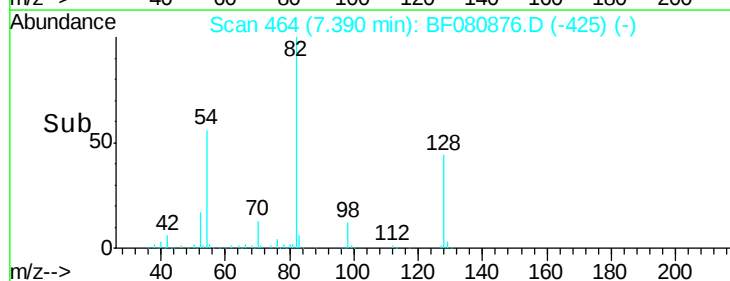
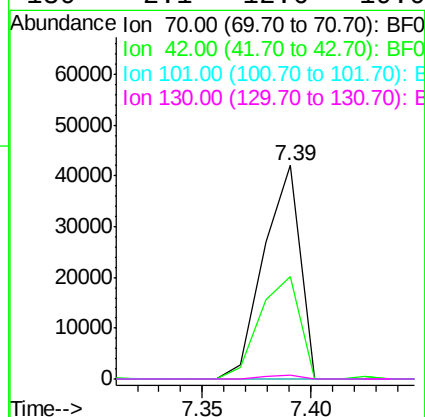
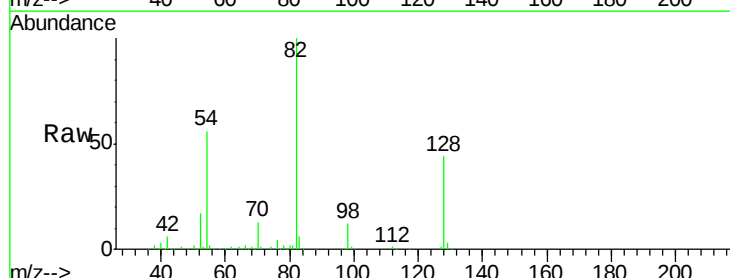
Ion Ratio Lower Upper

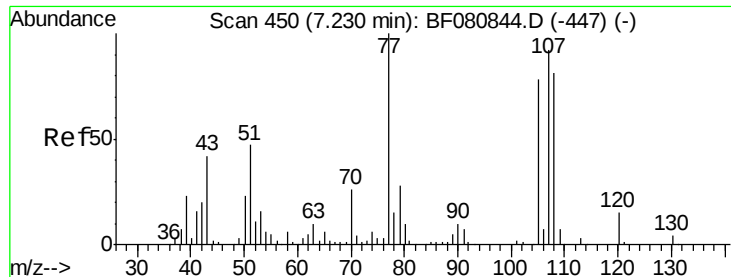
70 100

42 47.9 57.8 86.8#

101 0.0 6.7 10.1#

130 2.1 12.6 19.0#

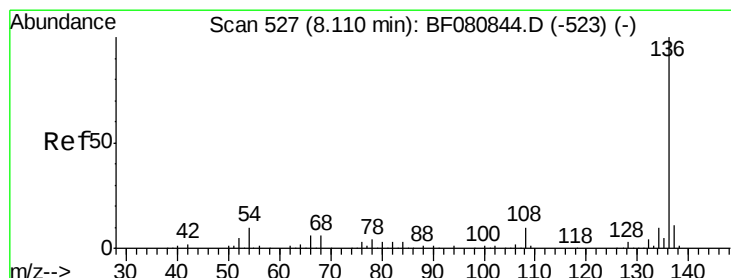
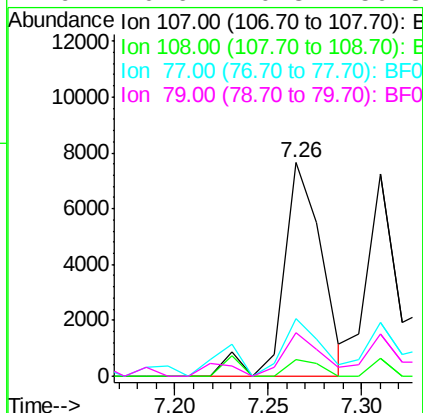
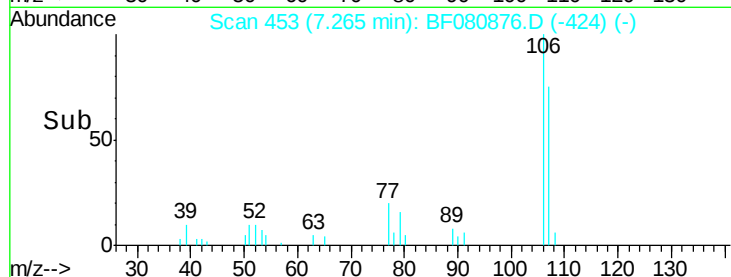
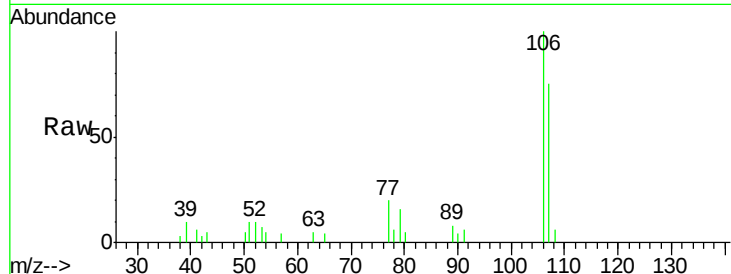




#20
 3+4-Methylphenols
 Concen: 2.76 ng
 RT: 7.26 min Scan# 453
 Delta R.T. 0.03 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

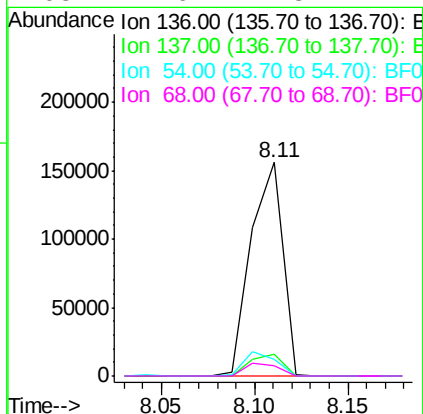
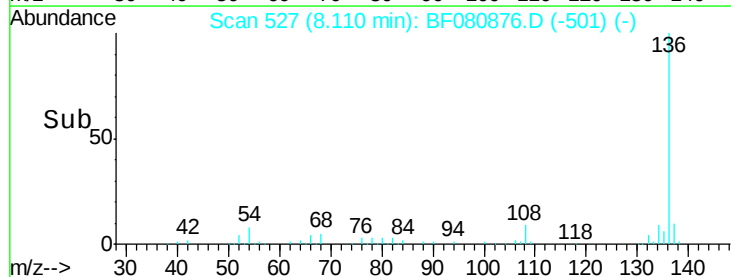
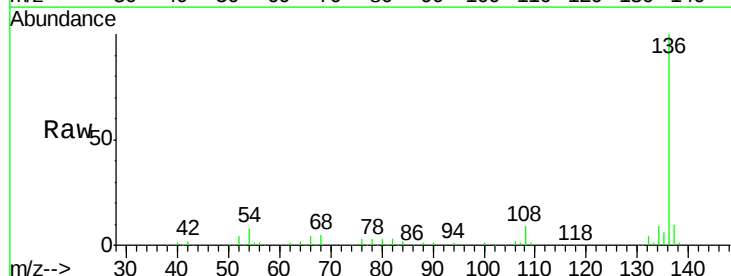
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

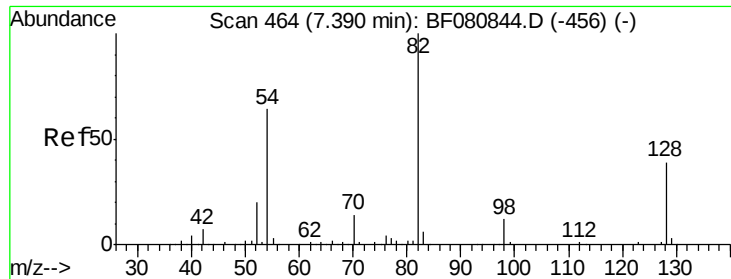
Tgt Ion:107 Resp: 10944
 Ion Ratio Lower Upper
 107 100
 108 7.7 68.2 108.2#
 77 26.7 88.5 128.5#
 79 20.6 10.3 50.3



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.11 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion:136 Resp: 184246
 Ion Ratio Lower Upper
 136 100
 137 10.3 8.6 13.0
 54 7.9 8.3 12.5#
 68 4.6 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 96.55 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4

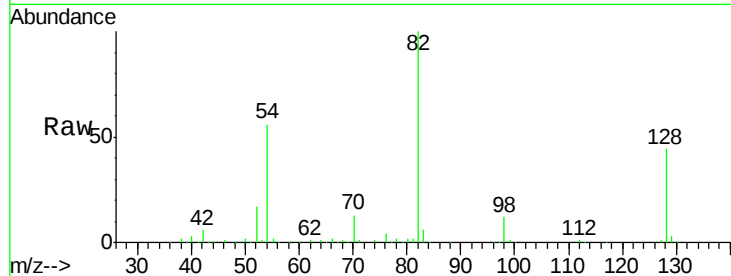
Tgt Ion: 82 Resp: 377480

Ion Ratio Lower Upper

82 100

128 44.0 31.0 46.4

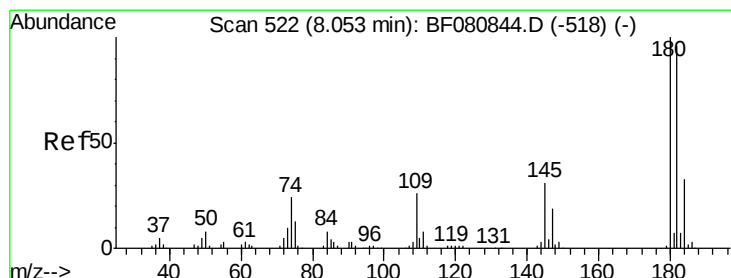
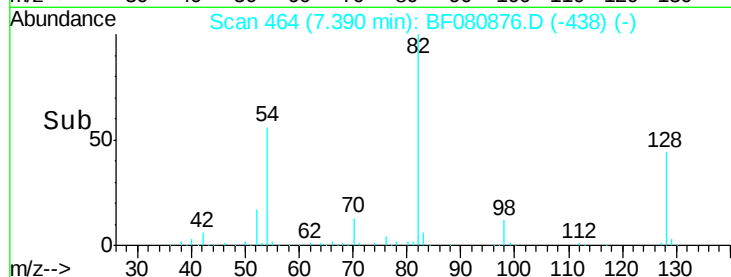
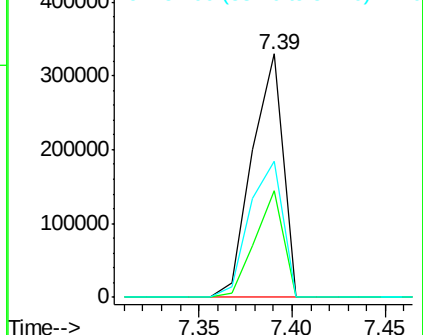
54 56.0 51.0 76.6



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



#30

1,2,4-Trichlorobenzene

Concen: 4.38 ng

RT: 8.05 min Scan# 522

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

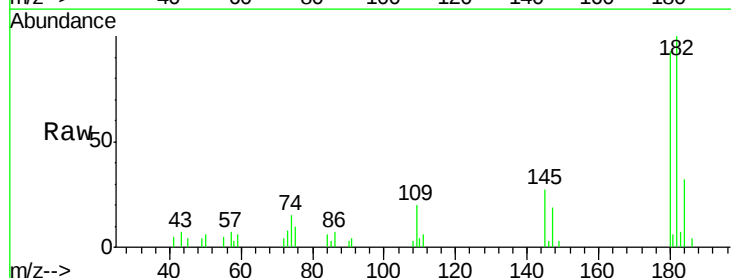
Tgt Ion: 180 Resp: 12737

Ion Ratio Lower Upper

180 100

182 107.7 77.0 115.4

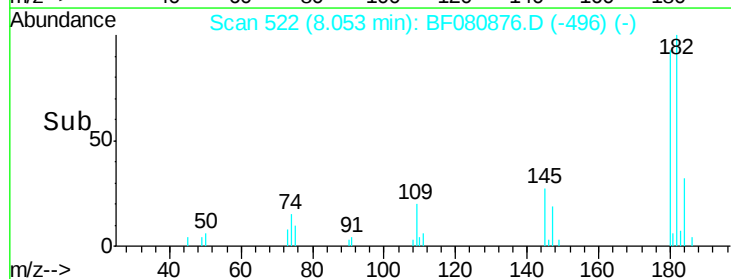
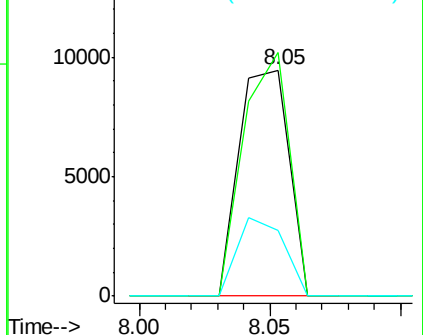
145 28.9 25.1 37.7

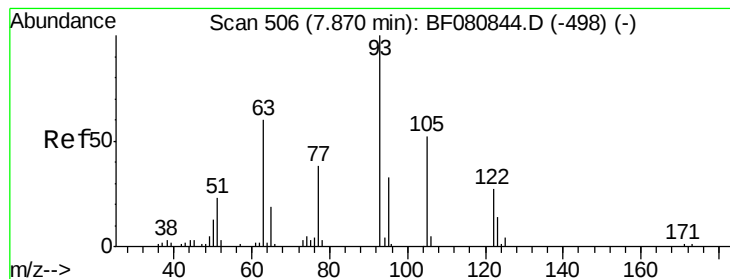


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#32

Benzoic acid

Concen: 3.20 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.25 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampled :

SOIL-4

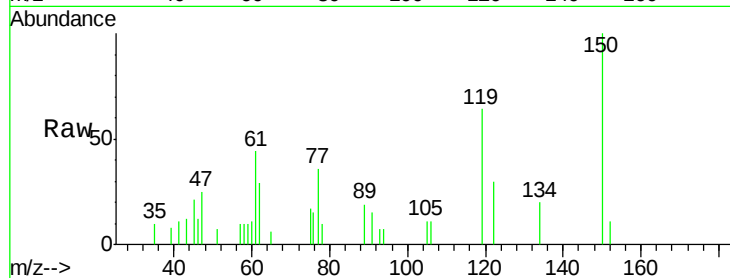
Tgt Ion:122 Resp: 1209

Ion Ratio Lower Upper

122 100

105 38.0 110.1 150.1#

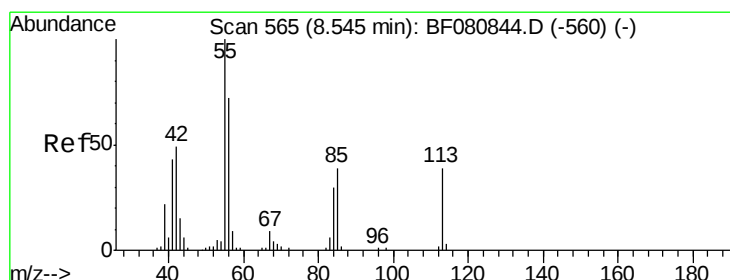
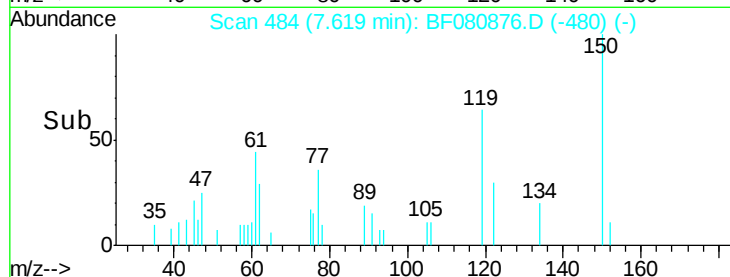
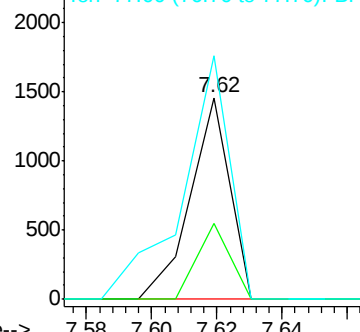
77 120.9 83.6 123.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 7.41 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

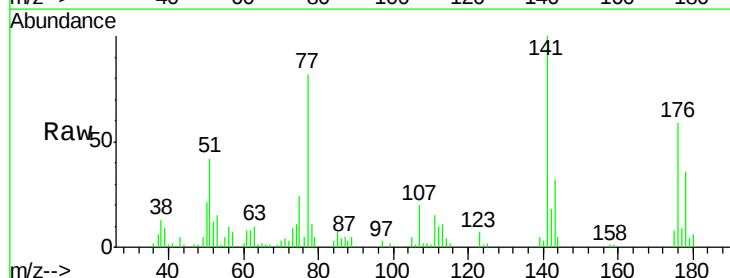
Tgt Ion:113 Resp: 5410

Ion Ratio Lower Upper

113 100

55 47.7 236.2 276.2#

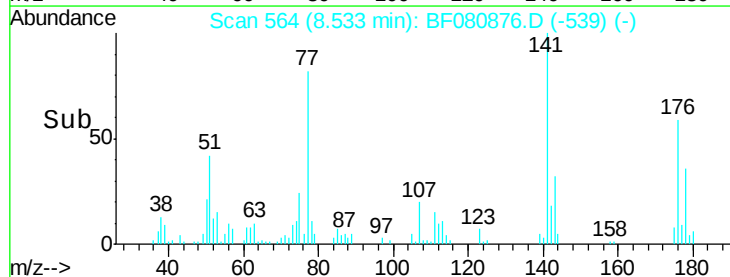
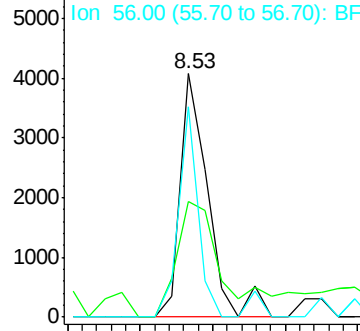
56 86.6 165.2 205.2#

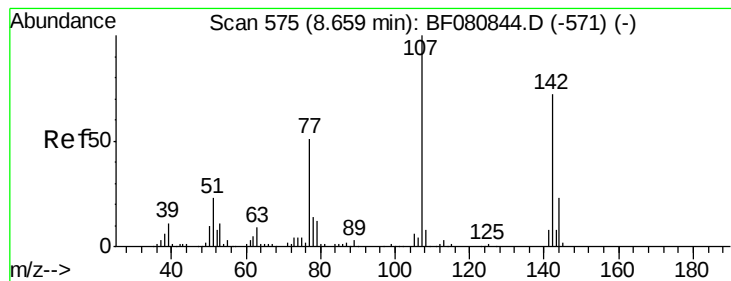


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

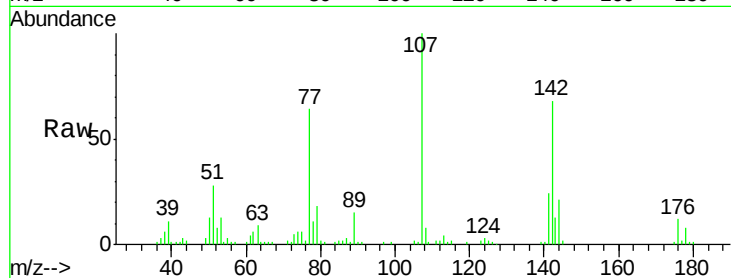




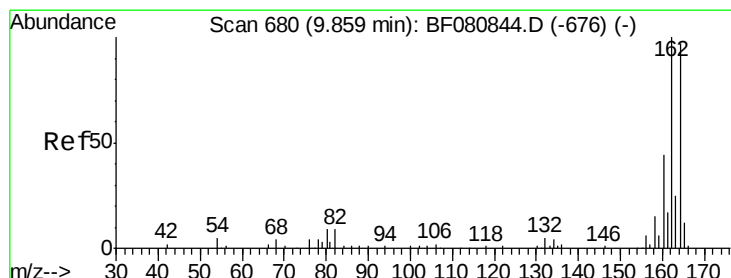
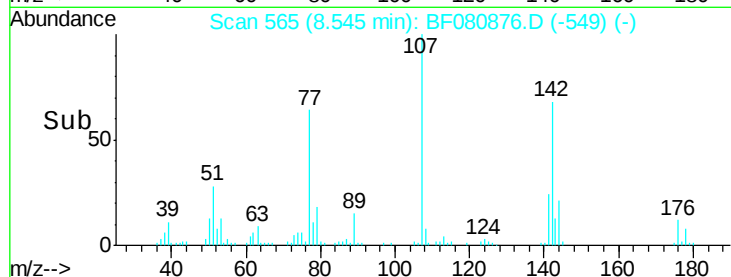
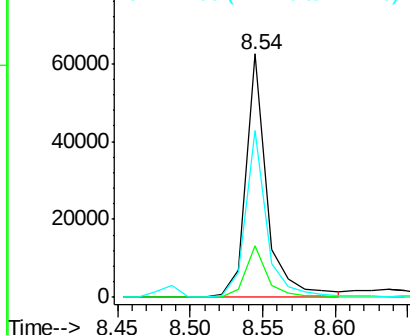
#36
 4-Chloro-3-methylphenol
 Concen: 22.61 ng
 RT: 8.54 min Scan# 565
 Delta R.T. -0.11 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion:107 Resp: 63431
 Ion Ratio Lower Upper
 107 100
 144 21.4 18.3 27.5
 142 68.4 57.8 86.8

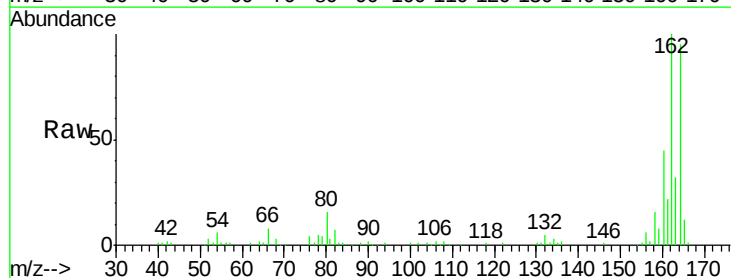


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

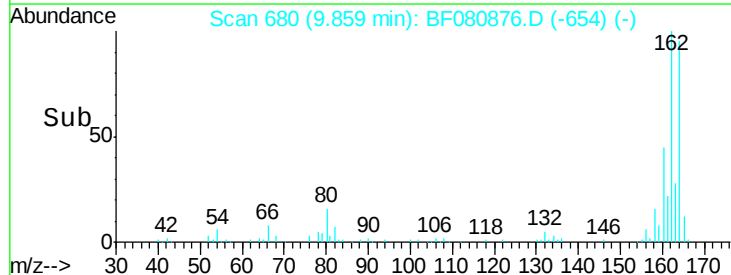
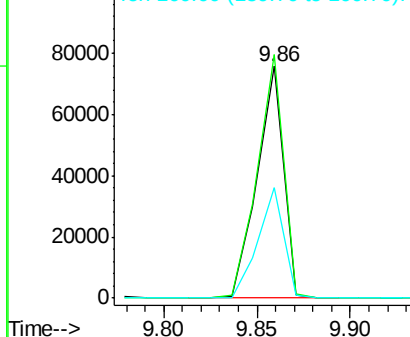


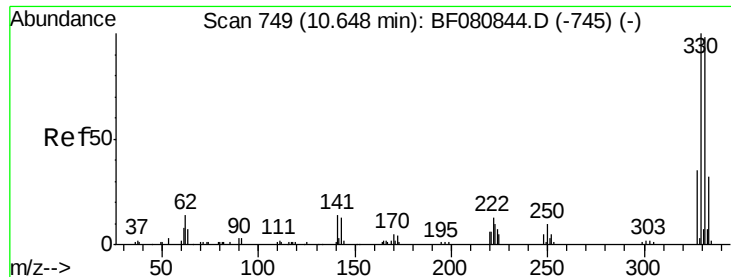
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion:164 Resp: 73304
 Ion Ratio Lower Upper
 164 100
 162 105.1 82.9 124.3
 160 47.7 36.6 54.8



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

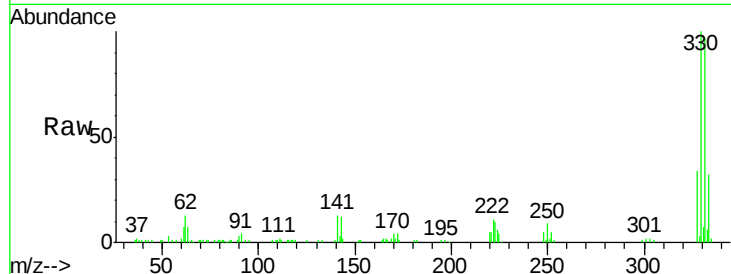




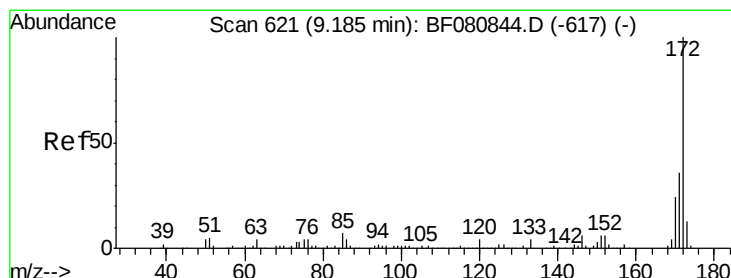
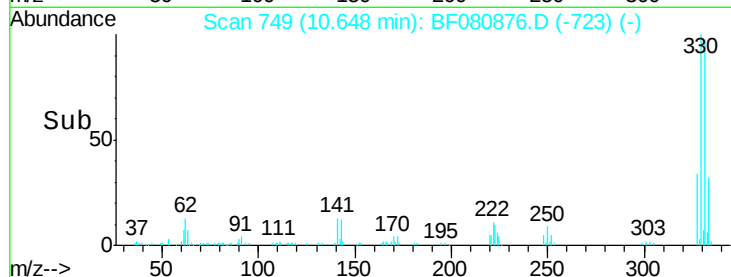
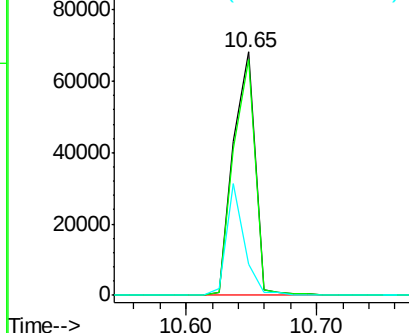
#41
 2,4,6-Tribromophenol
 Concen: 111.88 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion:330 Resp: 79089
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.8 116.8
 141 38.1 28.4 42.6

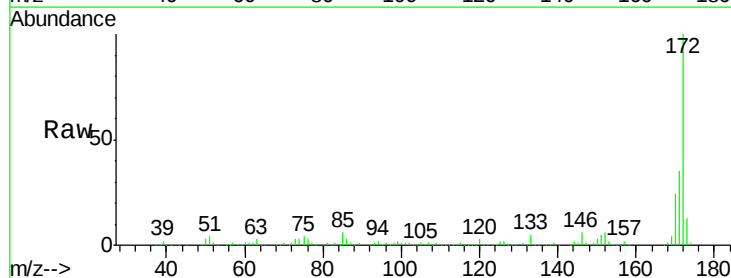


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

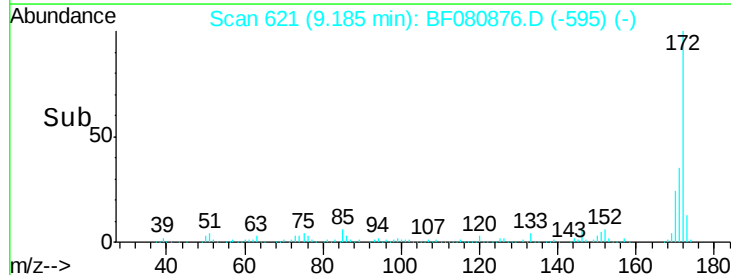
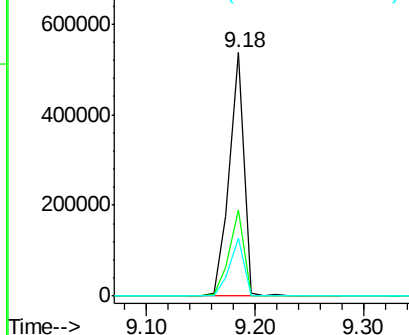


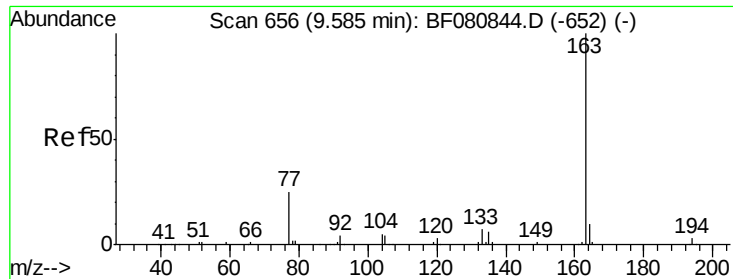
#44
 2-Fluorobiphenyl
 Concen: 92.42 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion:172 Resp: 503112
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.9 43.3
 170 24.0 19.4 29.2



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

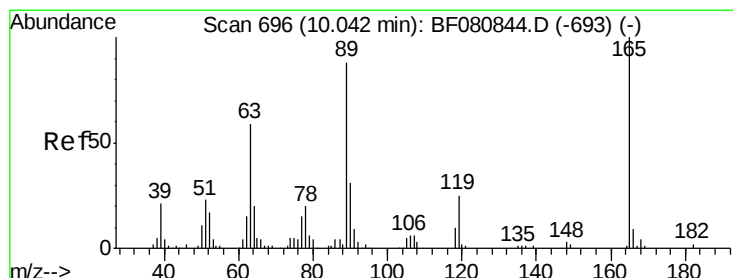
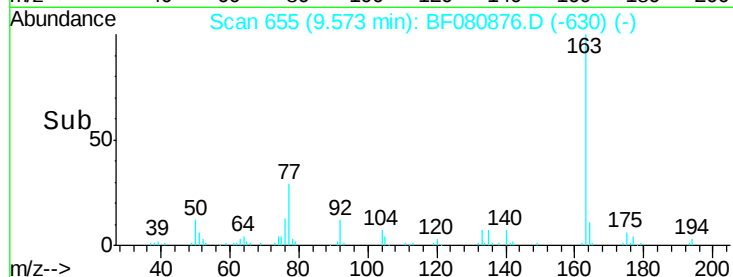
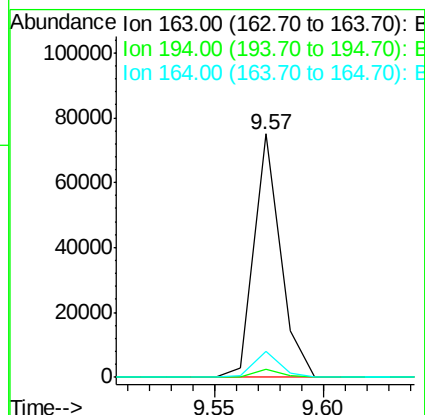
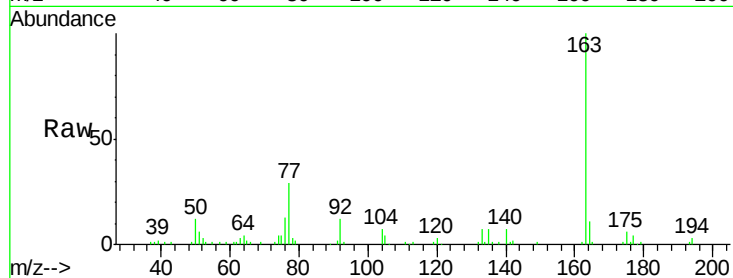




#49
Dimethylphthalate
Concen: 11.87 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

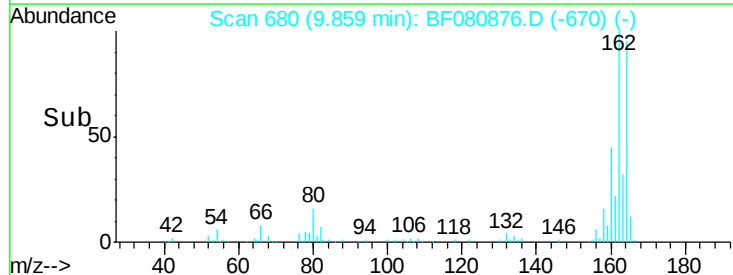
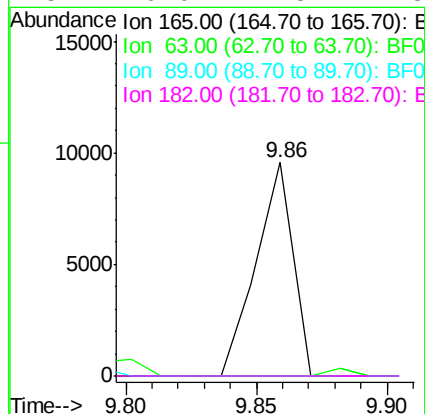
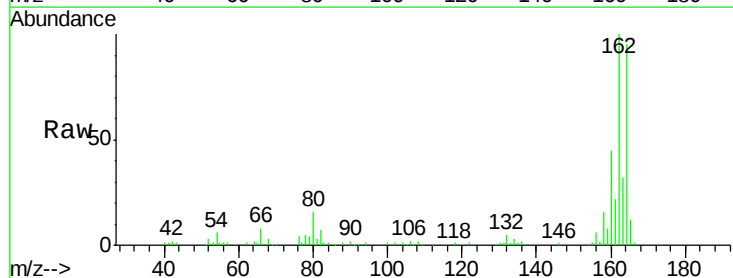
Instrument :
BNA_F
ClientSampleId :
SOIL-4

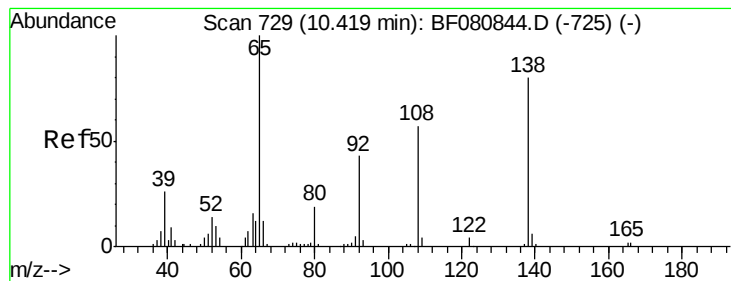
Tgt Ion:163 Resp: 63448
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.7 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.62 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.18 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion:165 Resp: 9347
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 70.2 105.2#
182 0.0 1.5 2.3#





#61

4-Nitroaniline

Concen: 9.39 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4

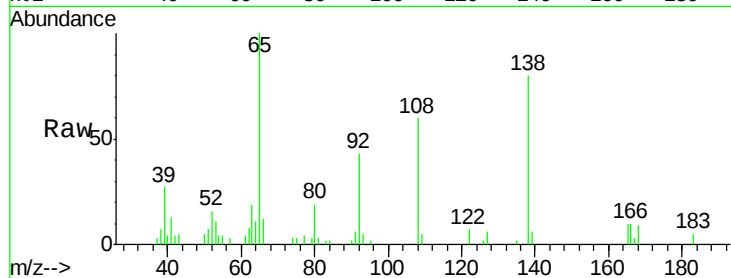
Tgt Ion:138 Resp: 11569

Ion Ratio Lower Upper

138 100

92 54.2 33.5 73.5

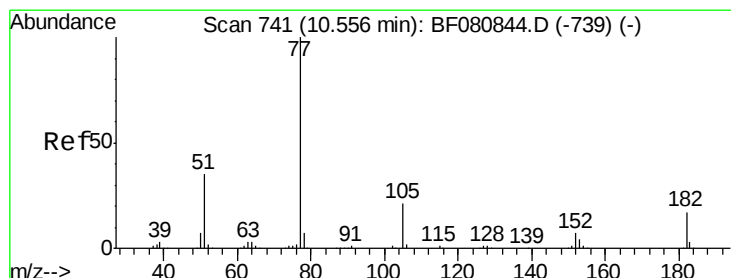
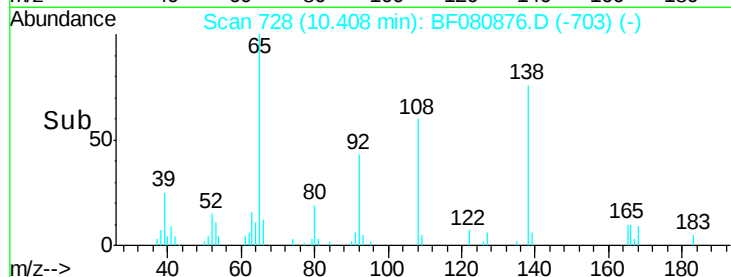
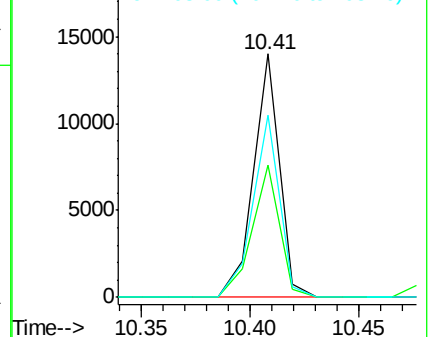
108 75.0 52.3 92.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 2.32 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.07 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Tgt Ion: 77 Resp: 14361

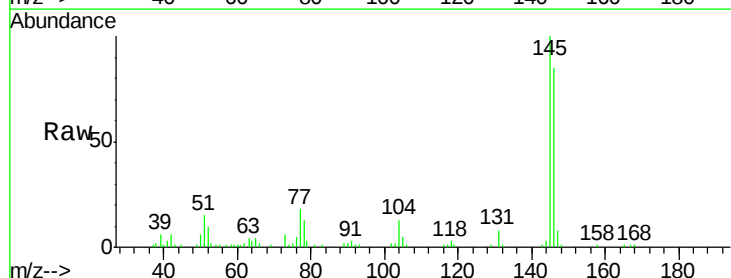
Ion Ratio Lower Upper

77 100

182 0.0 0.0 37.0

105 27.8 1.3 41.3

51 84.6 14.6 54.6#

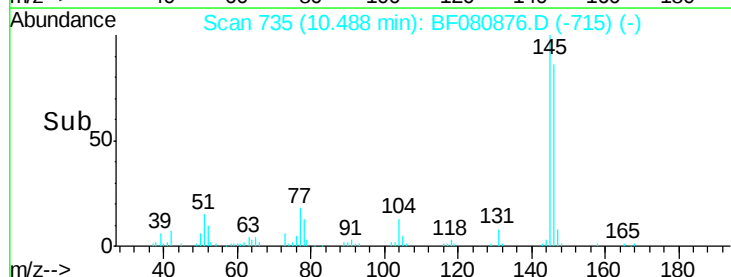
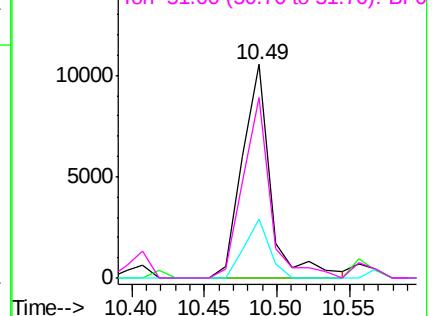


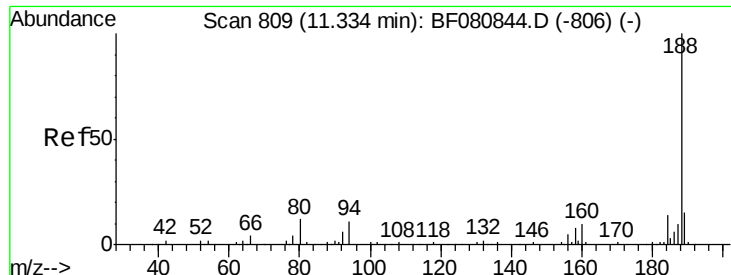
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

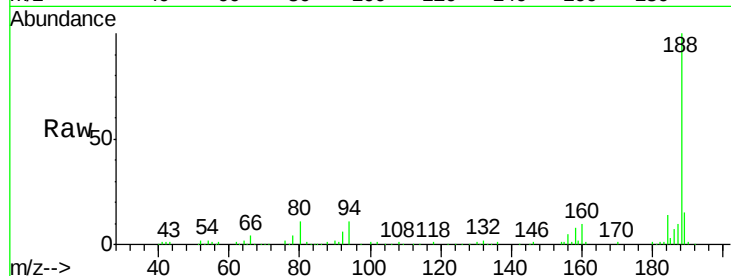




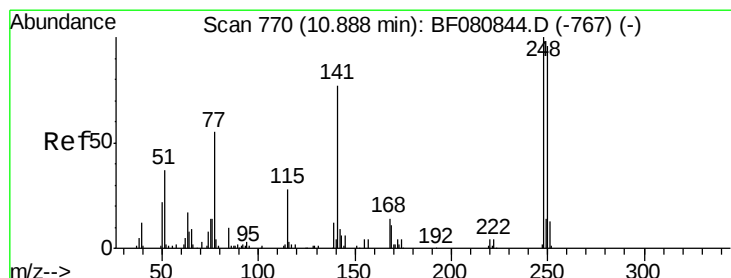
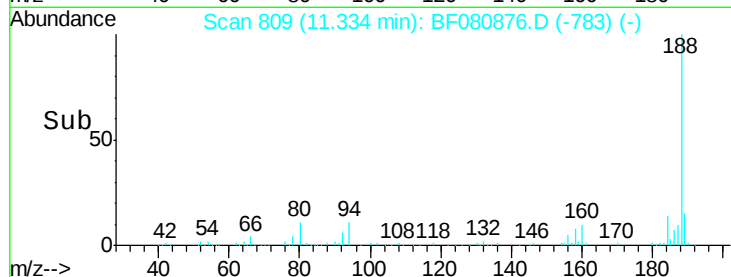
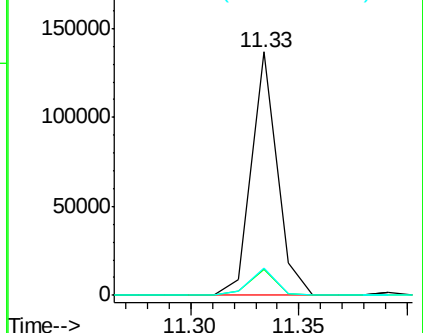
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion:188 Resp: 112563
Ion Ratio Lower Upper
188 100
94 10.6 8.6 12.8
80 11.1 9.3 13.9

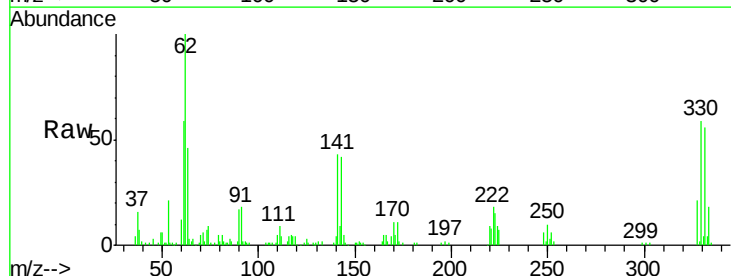


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

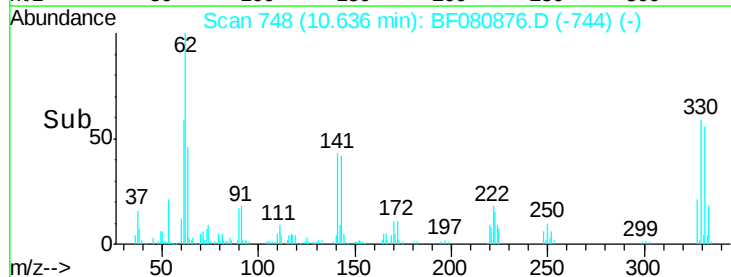
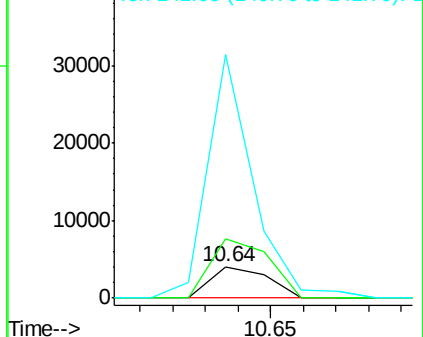


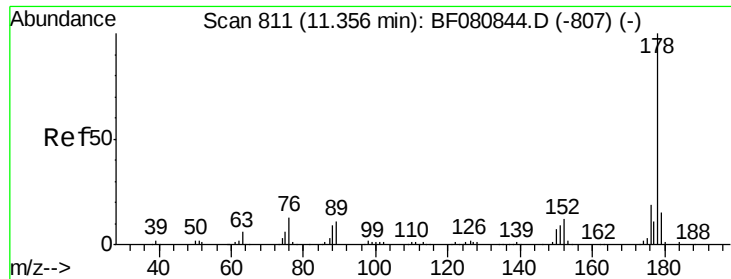
#66
4-Bromophenyl-phenylether
Concen: 3.92 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.25 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion:248 Resp: 4879
Ion Ratio Lower Upper
248 100
250 189.8 77.2 115.8#
141 778.6 61.4 92.0#



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

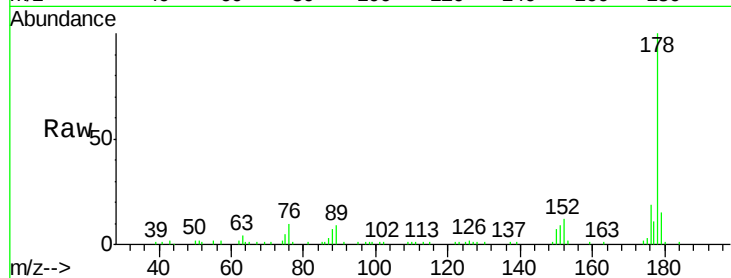




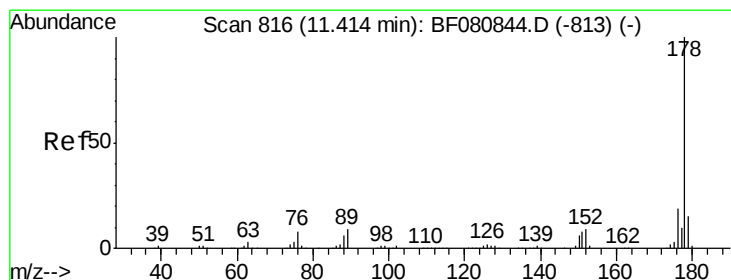
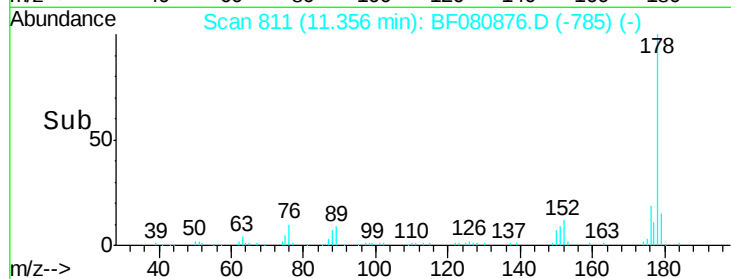
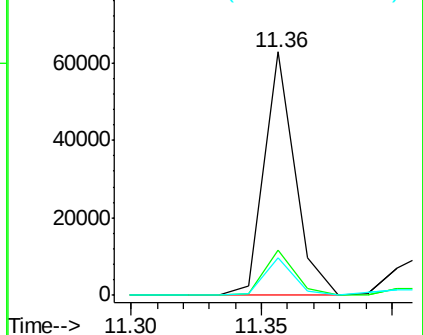
#70
 Phenanthrene
 Concen: 7.89 ng
 RT: 11.36 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion:178 Resp: 51320
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.3 22.9
 179 15.3 12.3 18.5

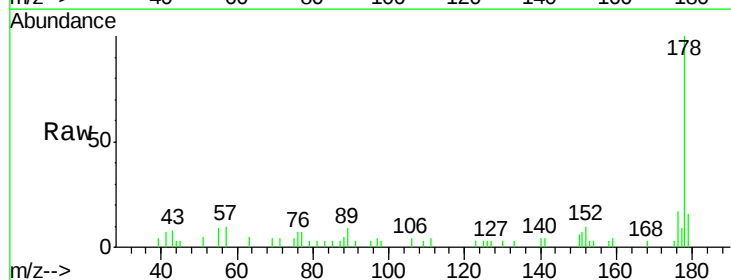


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

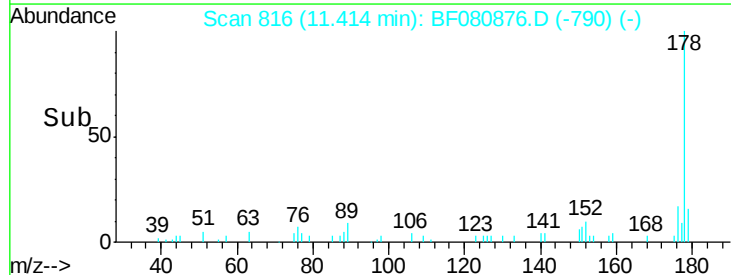
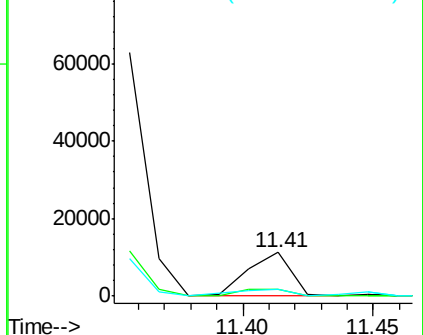


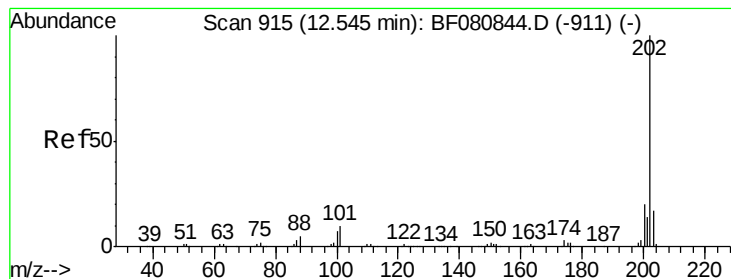
#71
 Anthracene
 Concen: 2.08 ng
 RT: 11.41 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion:178 Resp: 13119
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.4 23.2
 179 15.8 12.2 18.4



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





#74

Fluoranthene

Concen: 18.42 ng

RT: 12.55 min Scan# 915

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4

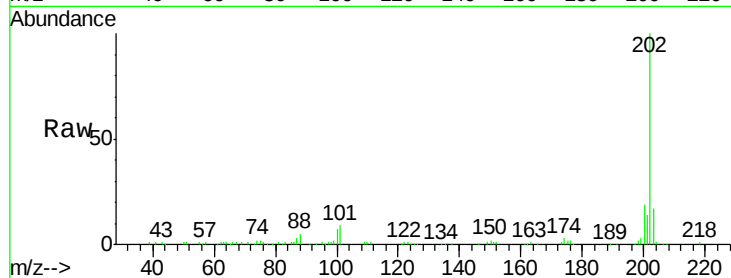
Tgt Ion: 202 Resp: 116677

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.9

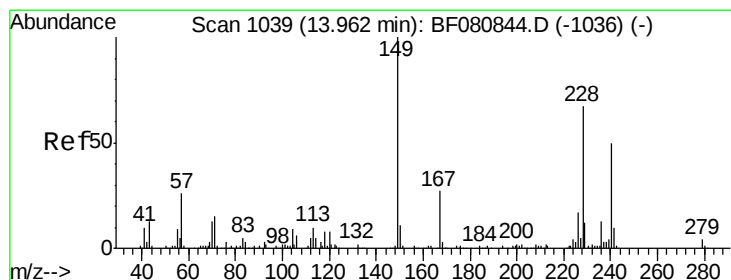
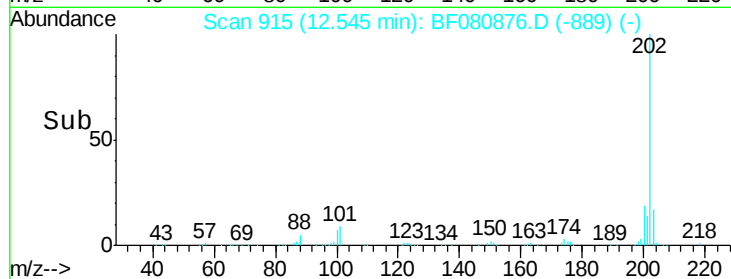
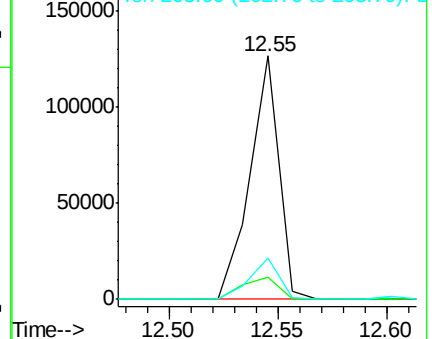
203 17.2 0.0 37.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

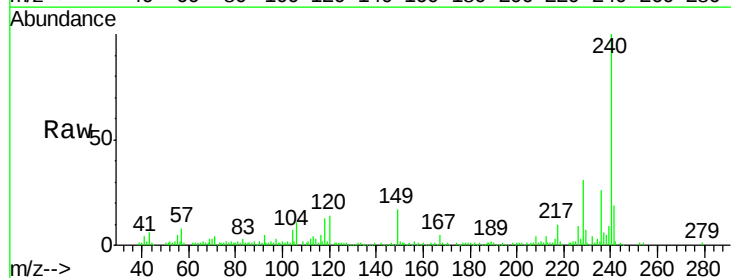
Tgt Ion: 240 Resp: 101619

Ion Ratio Lower Upper

240 100

120 14.5 13.0 19.6

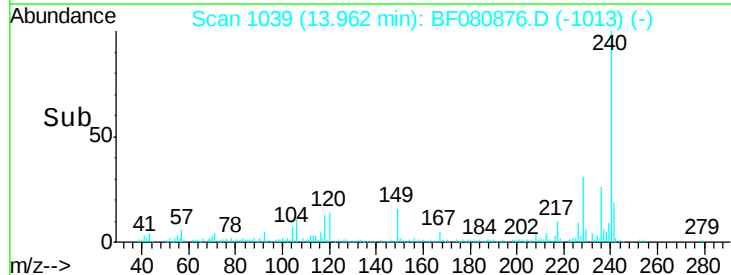
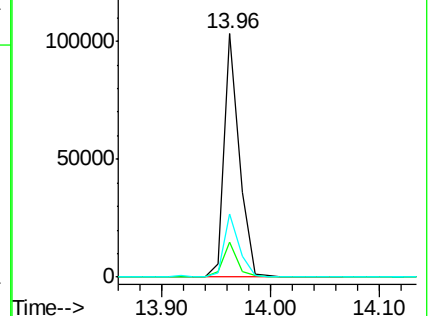
236 25.8 20.7 31.1

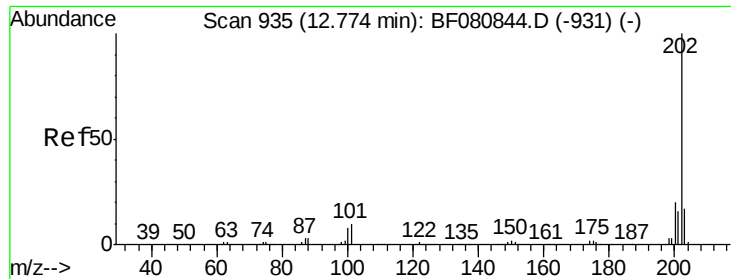


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

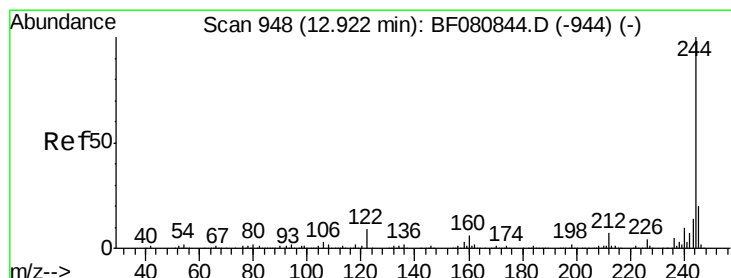
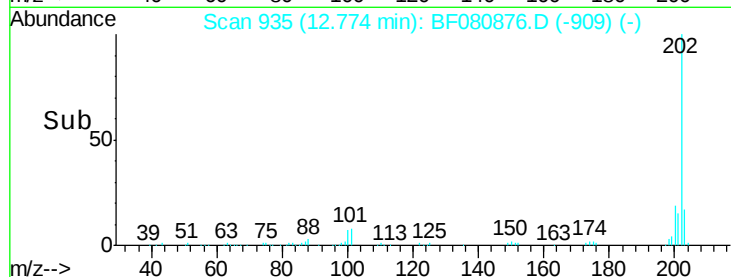
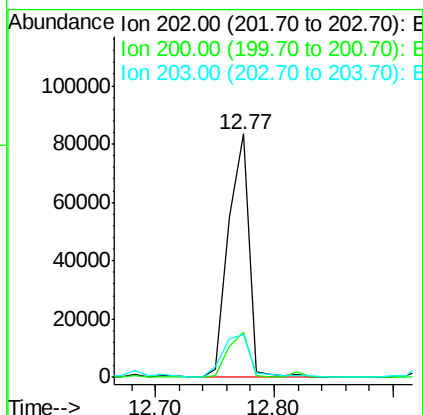
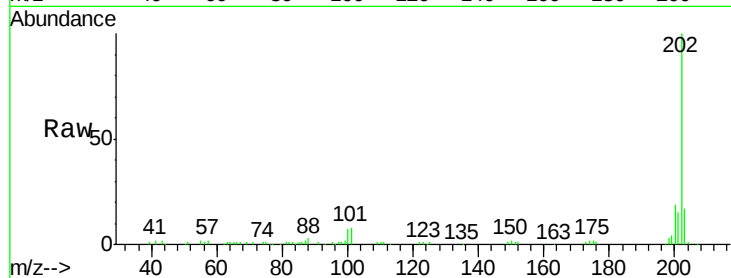




#77
 Pyrene
 Concen: 10.97 ng
 RT: 12.77 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

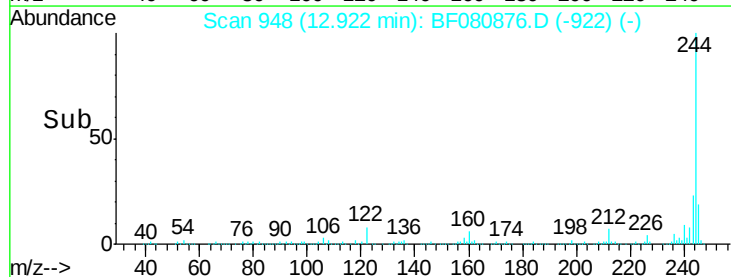
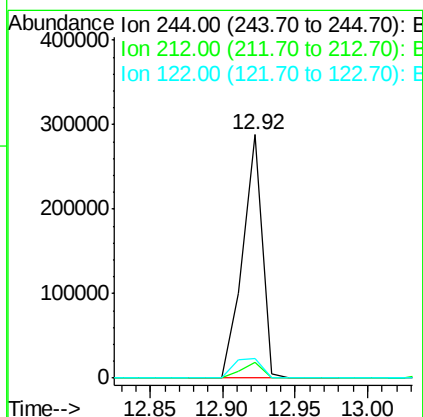
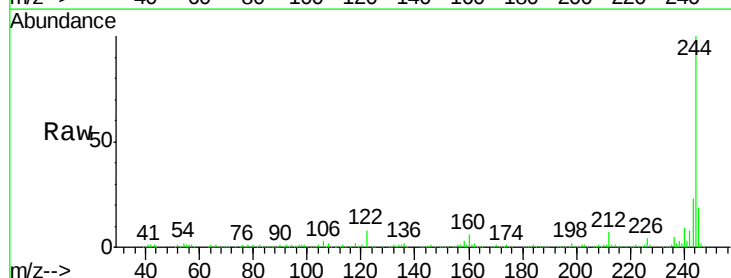
Instrument :
 BNA_F
 ClientSampled :
 SOIL-4

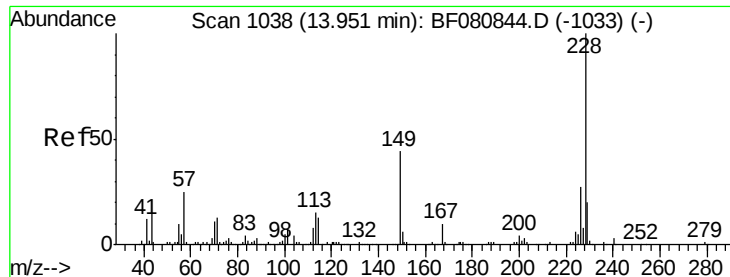
Tgt Ion: 202 Resp: 100034
 Ion Ratio Lower Upper
 202 100
 200 18.5 16.1 24.1
 203 17.3 13.6 20.4



#78
 Terphenyl-d14
 Concen: 48.27 ng
 RT: 12.92 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion: 244 Resp: 270995
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 8.0 7.1 10.7

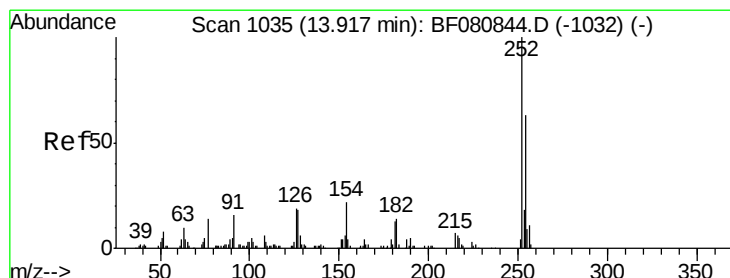
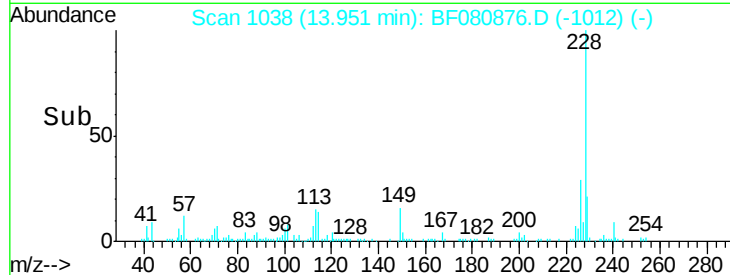
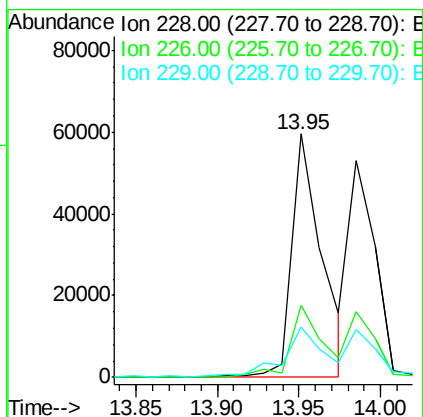
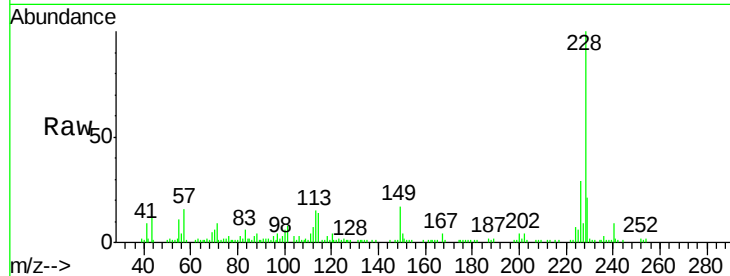




#80
Benzo(a)anthracene
Concen: 11.32 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

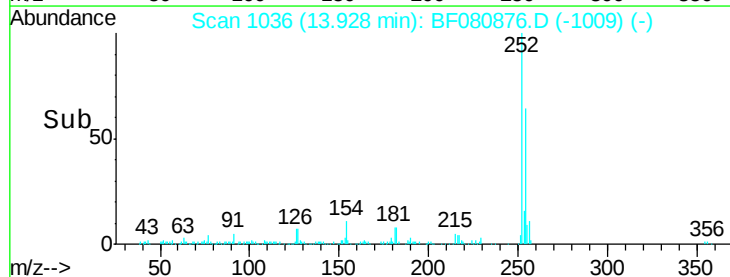
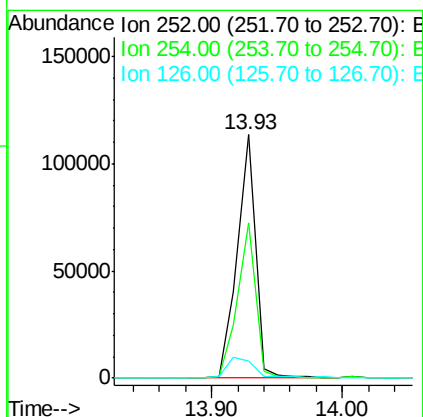
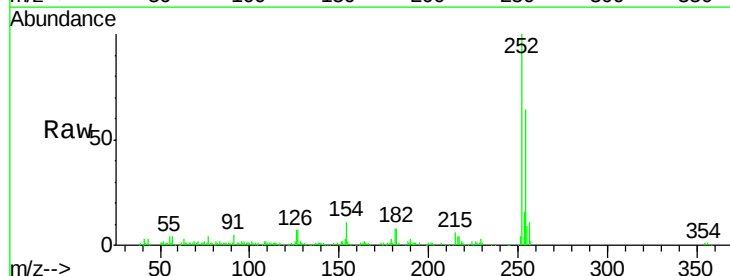
Instrument :
BNA_F
ClientSampleId :
SOIL-4

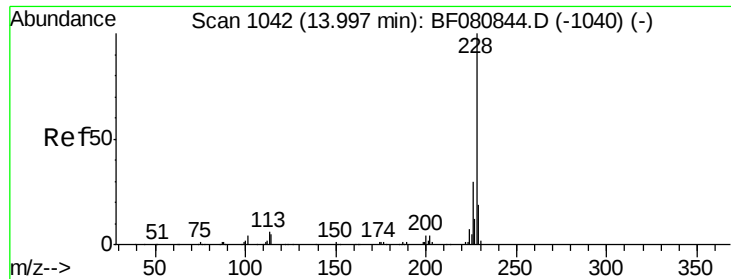
Tgt Ion: 228 Resp: 76967
Ion Ratio Lower Upper
228 100
226 29.4 21.5 32.3
229 20.8 16.2 24.2



#81
3,3'-Dichlorobenzidine
Concen: 44.11 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion: 252 Resp: 111407
Ion Ratio Lower Upper
252 100
254 63.7 50.3 75.5
126 7.1 15.1 22.7#





#82

Chrysene

Concen: 8.74 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4

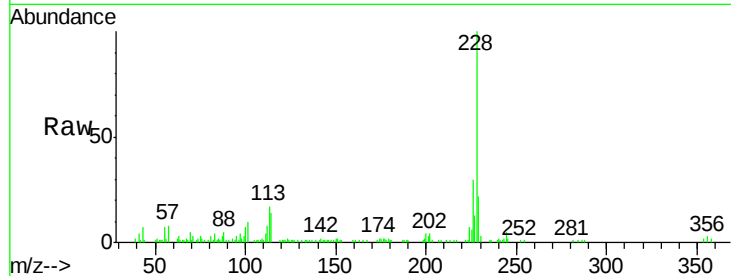
Tgt Ion:228 Resp: 60572

Ion Ratio Lower Upper

228 100

226 30.3 23.6 35.4

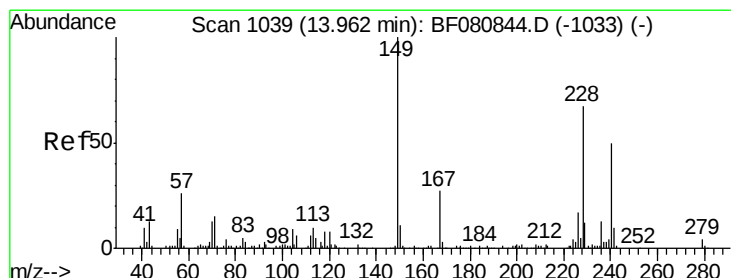
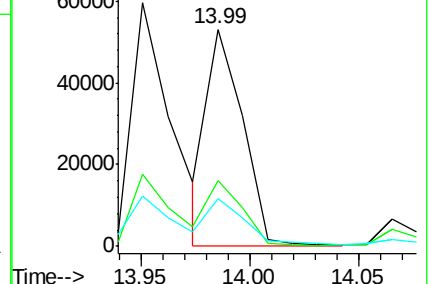
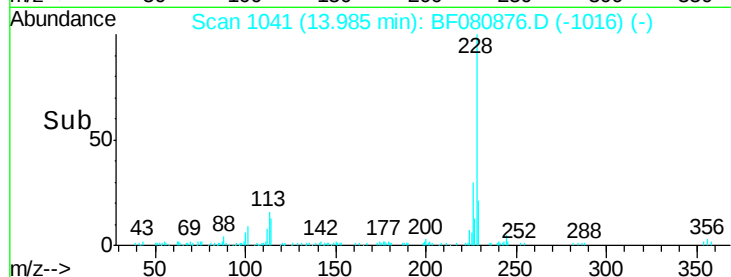
229 22.2 15.1 22.7



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: 4.07 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

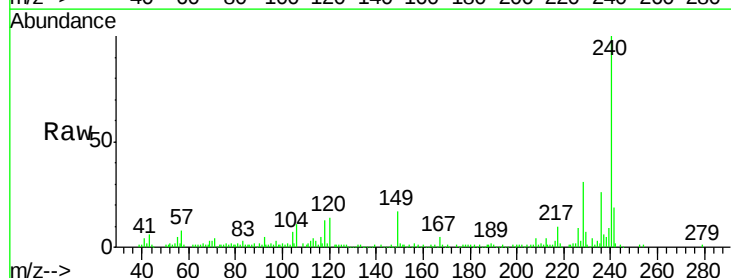
Tgt Ion:149 Resp: 20259

Ion Ratio Lower Upper

149 100

167 27.7 21.8 32.8

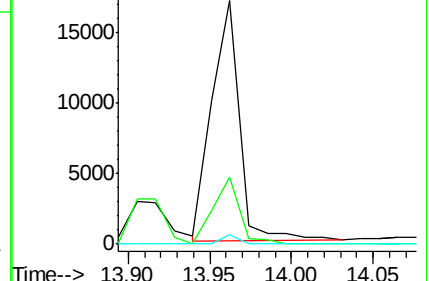
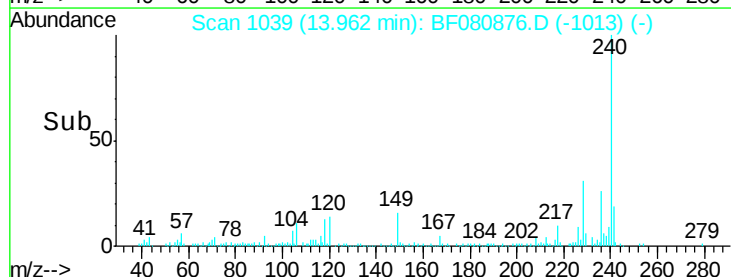
279 4.1 3.0 4.4

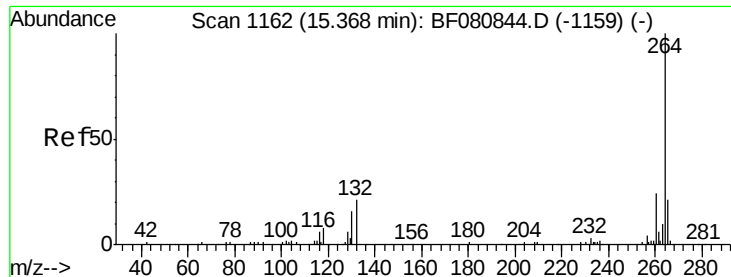


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



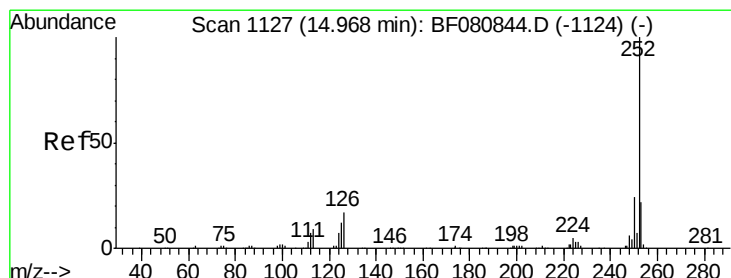
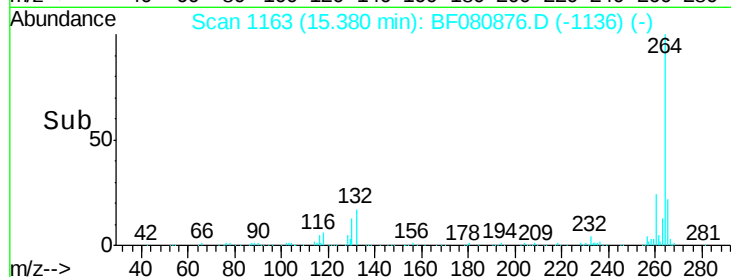
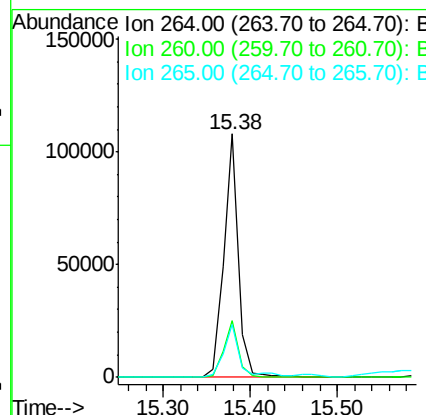
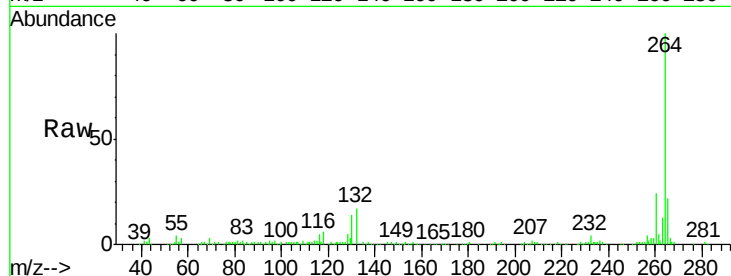


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampled :
SOIL-4

Tgt Ion: 264 Resp: 127885

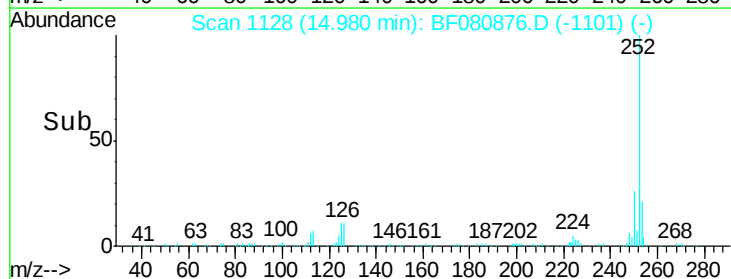
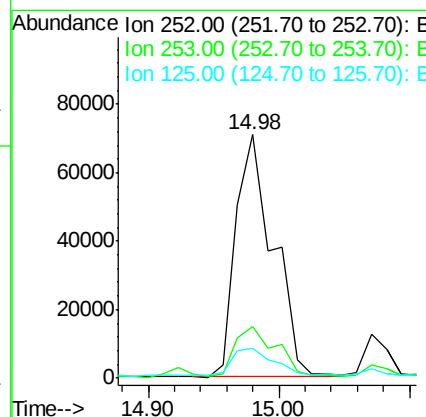
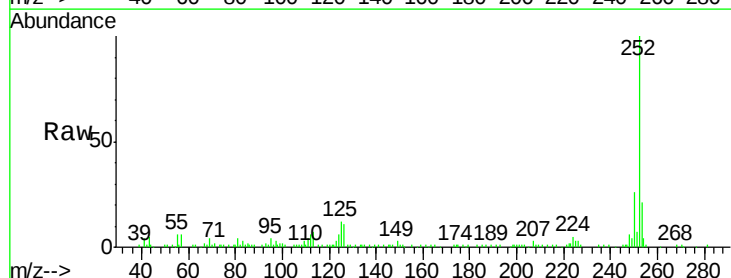
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.9	16.8	25.2

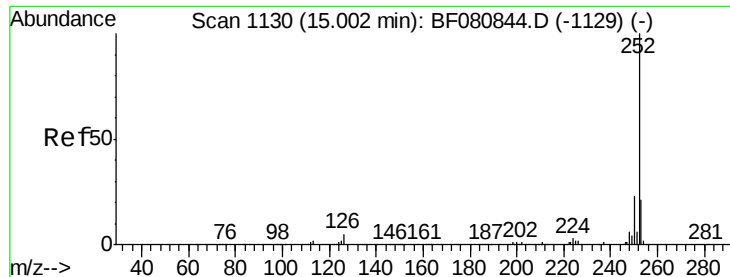


#87
Benzo(b)fluoranthene
Concen: 14.77 ng
RT: 14.98 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion: 252 Resp: 141335

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	12.1	9.8	14.8

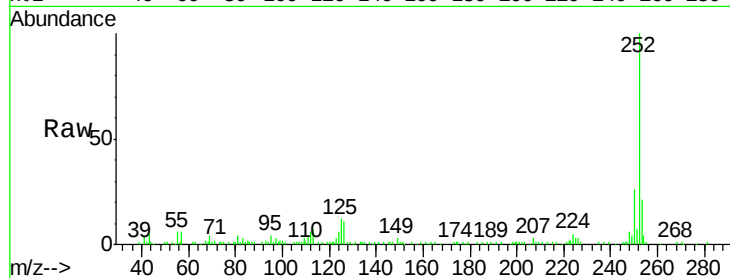




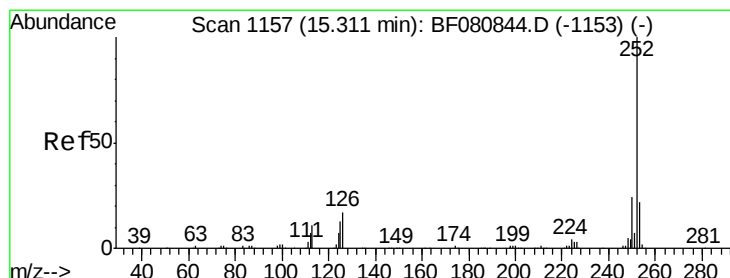
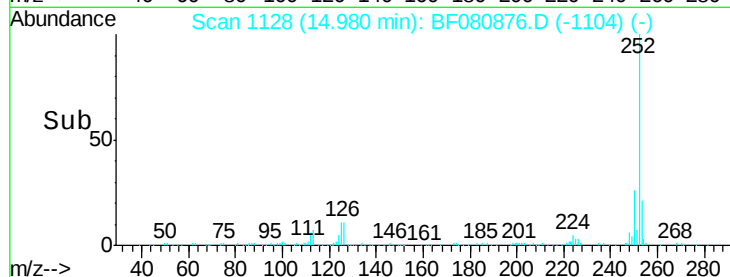
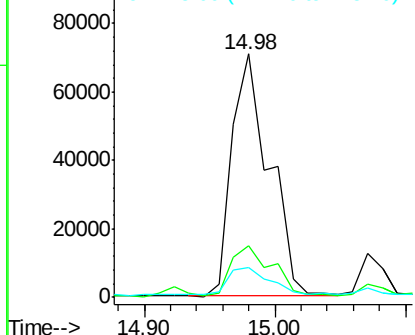
#88
Benzo(k)fluoranthene
Concen: 19.16 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.02 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampled :
SOIL-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	16.9	25.3
125	12.1	7.0	10.6

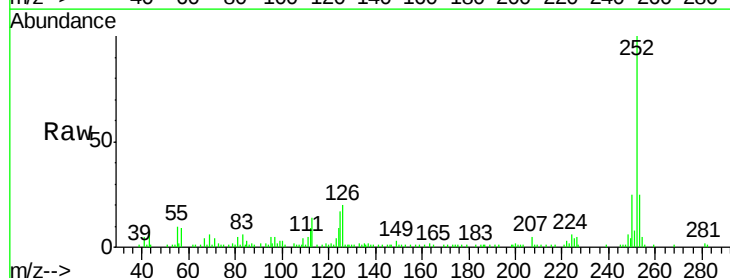


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

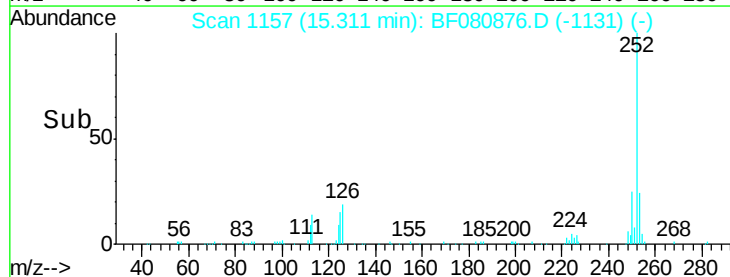
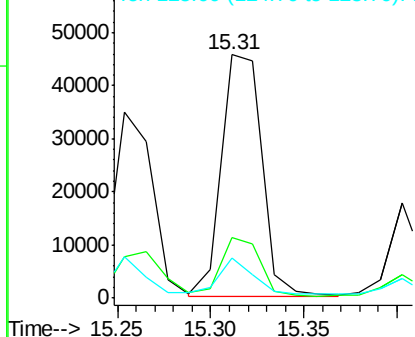


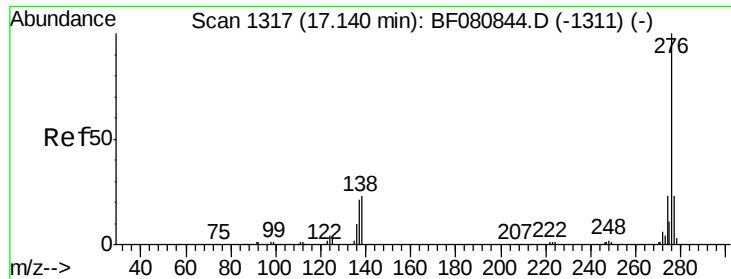
#89
Benzo(a)pyrene
Concen: 8.83 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.0
125	16.6	10.6	16.0



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





#91

Benzo(g,h,i)perylene

Concen: 5.61 ng

RT: 17.14 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4

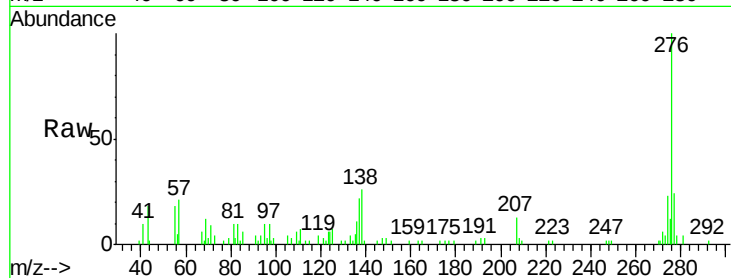
Tgt Ion: 276 Resp: 36763

Ion Ratio Lower Upper

276 100

277 24.3 18.6 27.8

138 26.1 18.8 28.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

