

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077082.D
 Acq On : 27 Jan 2015 9:59
 Operator : TP/IZ
 Sample : G1160-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC012215-SOIL

Quant Time: Jan 27 13:46:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 23 15:21:24 2015
 Response via : Initial Calibration

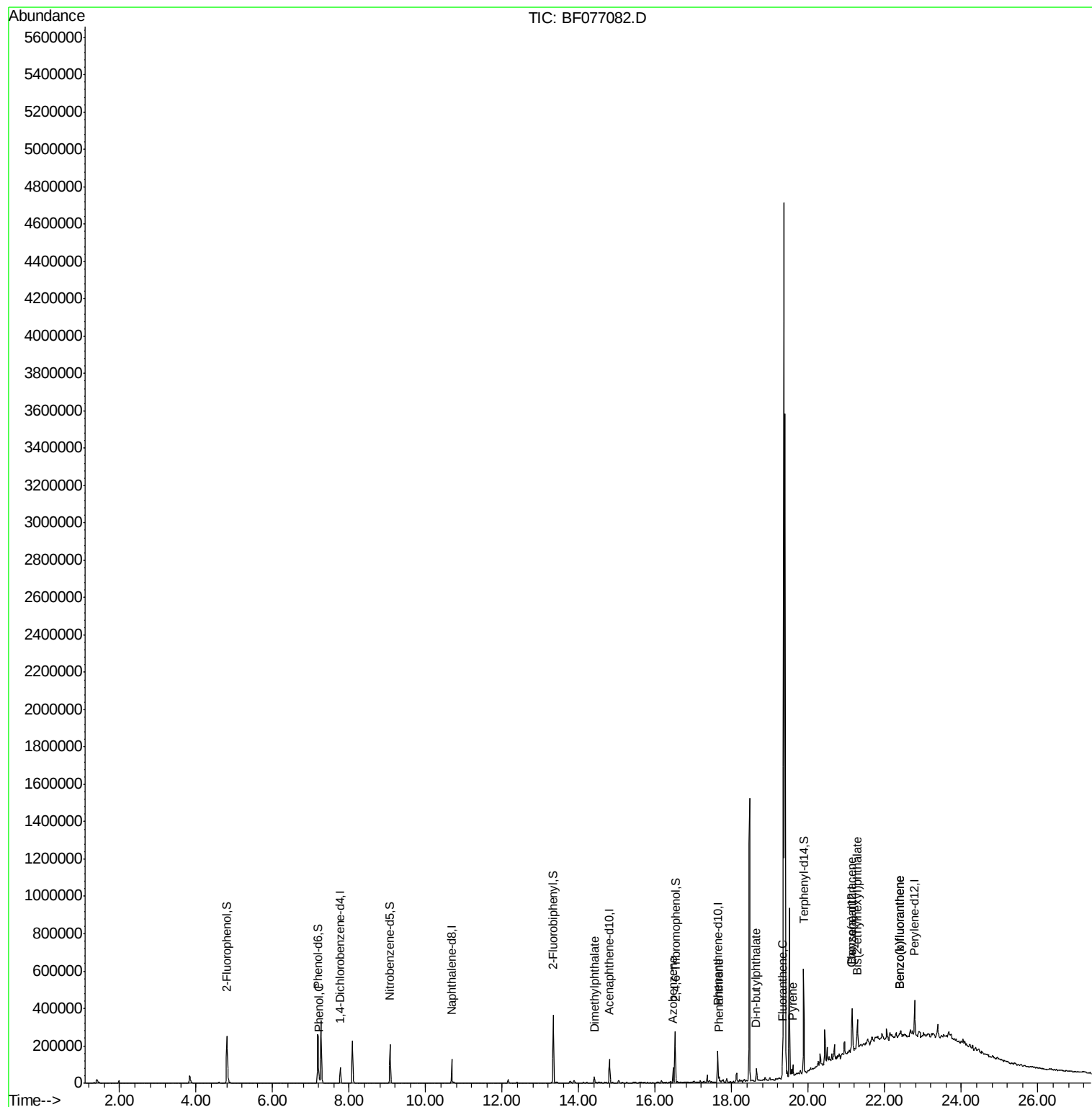
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	24752	20.00	ng	0.00
21) Naphthalene-d8	10.68	136	96505	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	47368	20.00	ng	0.00
63) Phenanthrene-d10	17.64	188	87669	20.00	ng	0.00
75) Chrysene-d12	21.15	240	83787	20.00	ng	0.00
86) Perylene-d12	22.78	264	77557	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.80	112	140206	93.13	ng	0.02
7) Phenol-d6	7.18	99	174080	91.66	ng	0.01
23) Nitrobenzene-d5	9.06	82	110930	63.68	ng	-0.01
41) 2,4,6-Tribromophenol	16.53	330	41758	108.60	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	203271	65.31	ng	-0.01
78) Terphenyl-d14	19.88	244	201747	55.43	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.21	94	5660	2.81	ng	# 71
49) Dimethylphthalate	14.40	163	22692	6.76	ng	# 99
62) Azobenzene	16.47	77	26023	7.36	ng	# 1
70) Phenanthrene	17.67	178	16189	2.96	ng	# 98
73) Di-n-butylphthalate	18.63	149	22633	3.78	ng	# 96
74) Fluoranthene	19.32	202	20895	3.73	ng	# 97
77) Pyrene	19.60	202	22379	3.90	ng	# 92
80) Benzo(a)anthracene	21.13	228	11689	2.22	ng	# 95
83) Bis(2-ethylhexyl)phthalate	21.28	149	49754	13.83	ng	# 99
87) Benzo(b)fluoranthene	22.38	252	16316	3.12	ng	# 65
88) Benzo(k)fluoranthene	22.38	252	16535	3.62	ng	# 65

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

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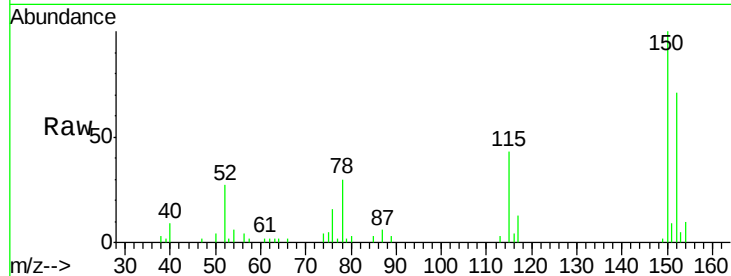




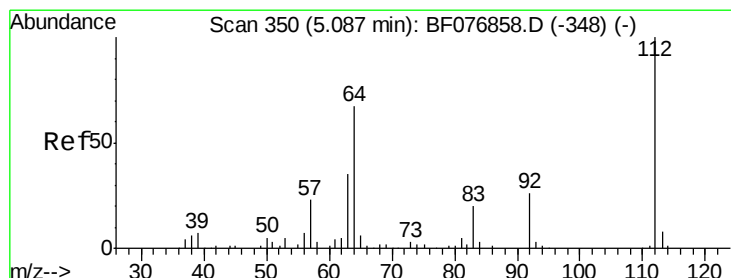
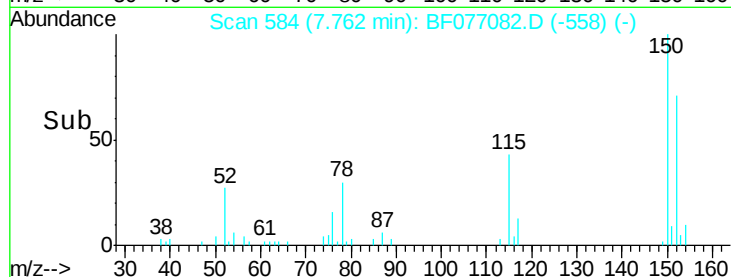
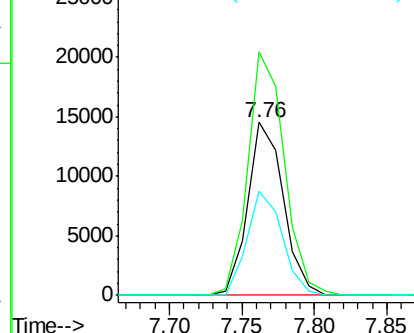
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.76 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: BF077082.D
 Acq: 27 Jan 2015 9:59

Instrument :
 BNA_F
 ClientSampleId :
 WC012215-SOIL

Tgt Ion:152 Resp: 24752
 Ion Ratio Lower Upper
 152 100
 150 140.6 121.7 182.5
 115 59.9 47.0 70.6

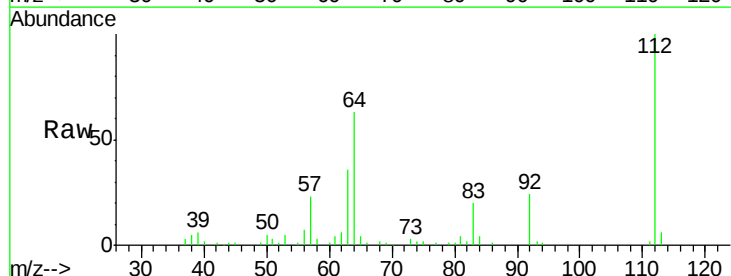


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

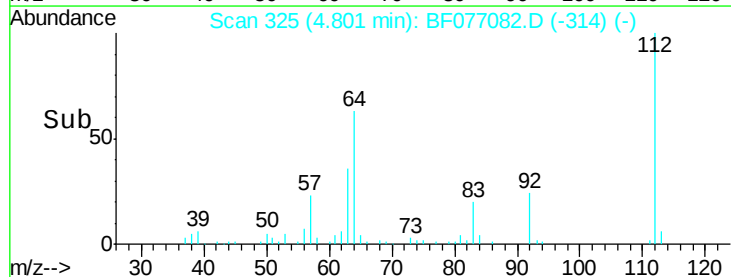
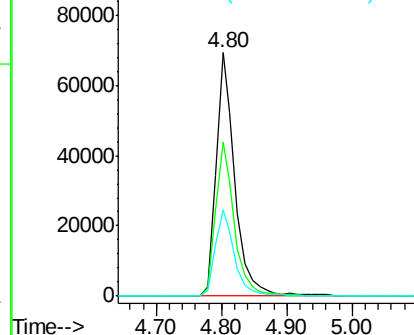


#5
 2-Fluorophenol
 Concen: 93.13 ng
 RT: 4.80 min Scan# 325
 Delta R.T. 0.02 min
 Lab File: BF077082.D
 Acq: 27 Jan 2015 9:59

Tgt Ion:112 Resp: 140206
 Ion Ratio Lower Upper
 112 100
 64 63.4 54.2 81.4
 63 35.5 28.4 42.6



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





#7

Phenol-d6

Concen: 91.66 ng

RT: 7.18 min Scan# 533

Delta R.T. 0.01 min

Lab File: BF077082.D

Acq: 27 Jan 2015 9:59

Instrument :

BNA_F

ClientSampleId :

WC012215-SOIL

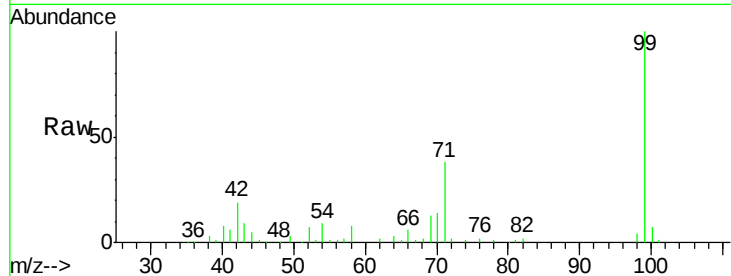
Tgt Ion: 99 Resp: 174080

Ion Ratio Lower Upper

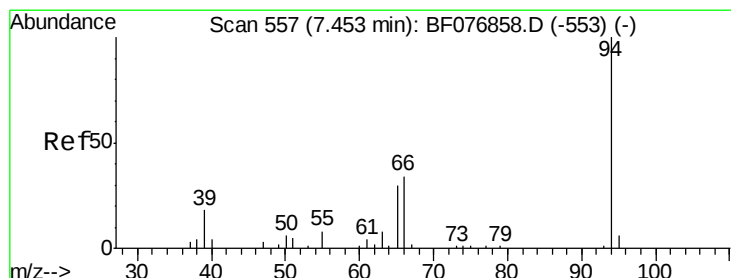
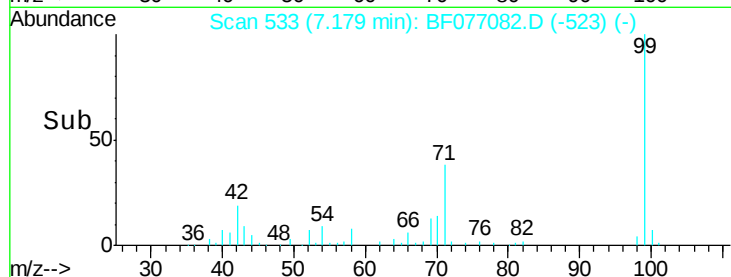
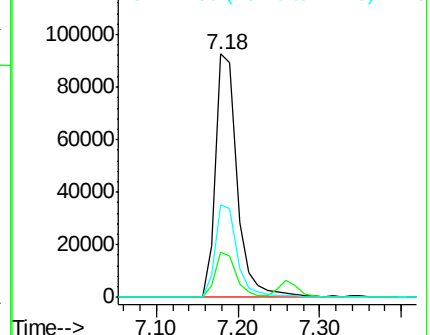
99 100

42 18.5 15.0 22.4

71 38.3 30.5 45.7



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



#10

Phenol

Concen: 2.81 ng

RT: 7.21 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF077082.D

Acq: 27 Jan 2015 9:59

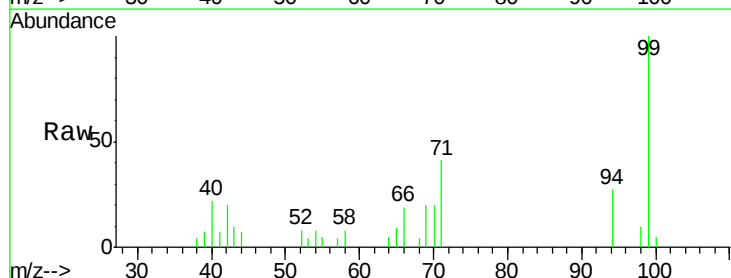
Tgt Ion: 94 Resp: 5660

Ion Ratio Lower Upper

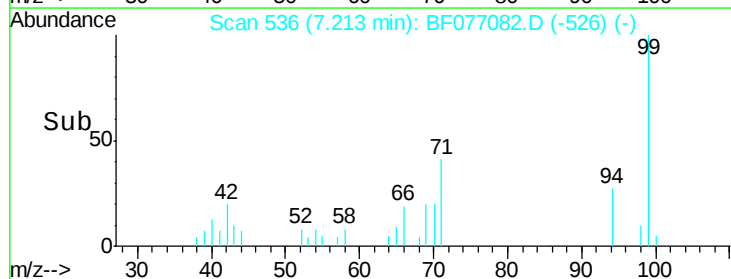
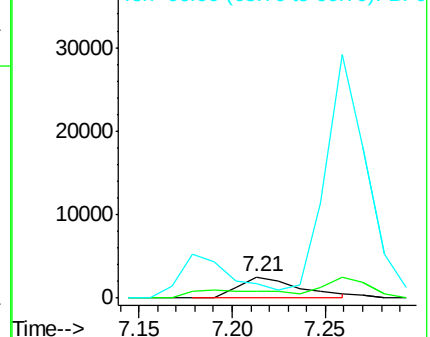
94 100

65 32.3 11.3 51.3

66 70.1 19.5 59.5#



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

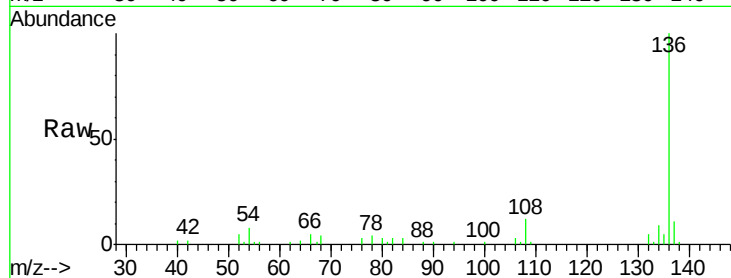




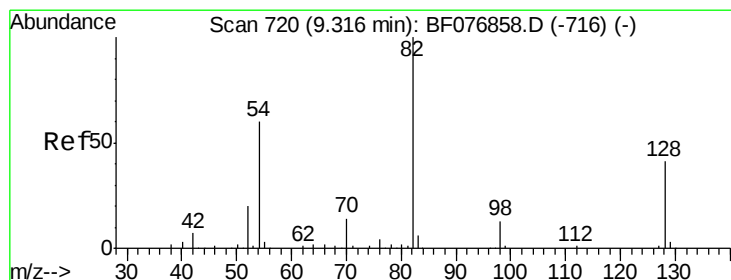
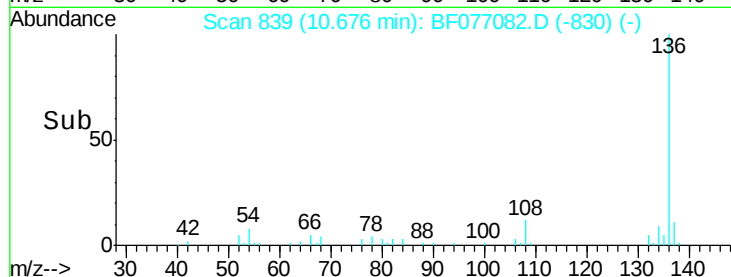
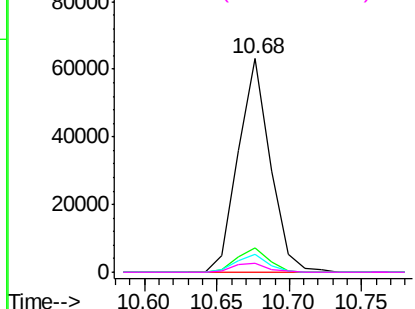
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.68 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF077082.D
Acq: 27 Jan 2015 9:59

Instrument :
BNA_F
ClientSampleId :
WC012215-SOIL

Tgt Ion:	136	Resp:	96505
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.1	12.1
54	8.3	7.0	10.4
68	4.3	3.7	5.5

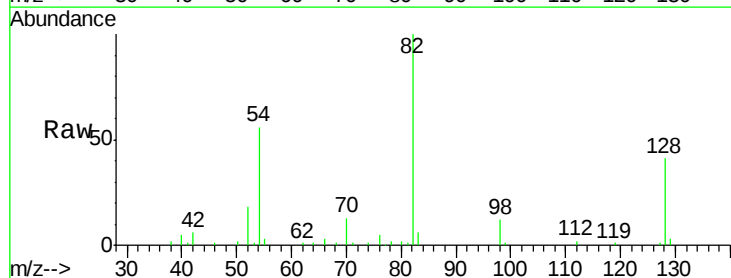


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

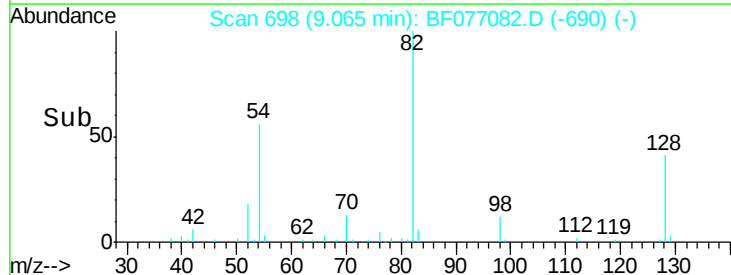
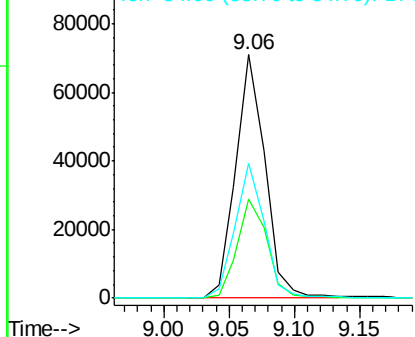


#23
Nitrobenzene-d5
Concen: 63.68 ng
RT: 9.06 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF077082.D
Acq: 27 Jan 2015 9:59

Tgt Ion:	82	Resp:	110930
Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.1	49.7
54	55.6	48.3	72.5



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BF077082.D

Acq: 27 Jan 2015 9:59

Instrument :

BNA_F

ClientSampleId :

WC012215-SOIL

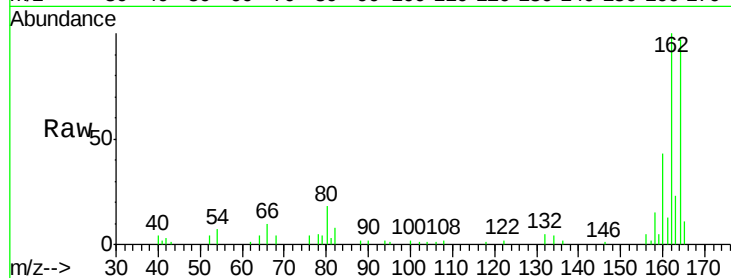
Tgt Ion:164 Resp: 47368

Ion Ratio Lower Upper

164 100

162 103.3 82.4 123.6

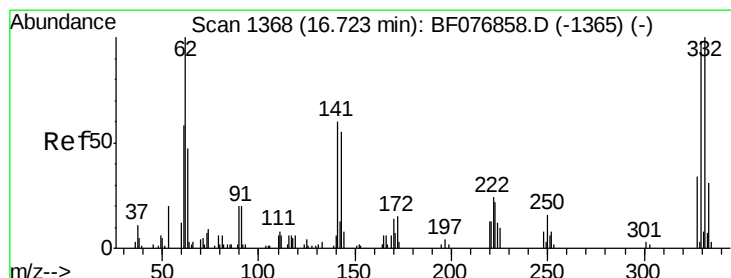
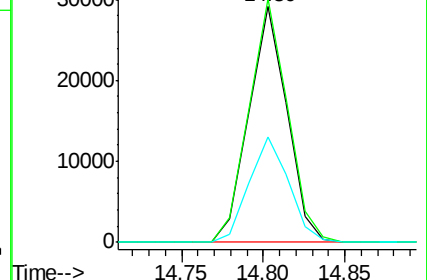
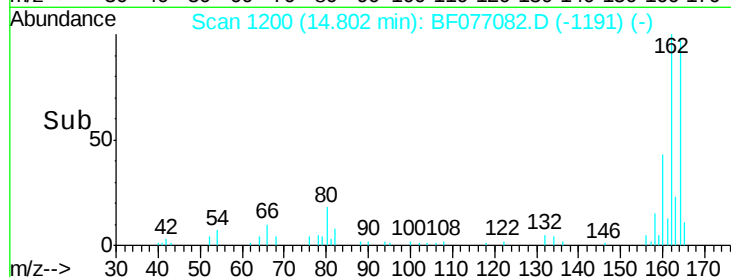
160 44.8 34.8 52.2



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: 108.60 ng

RT: 16.53 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BF077082.D

Acq: 27 Jan 2015 9:59

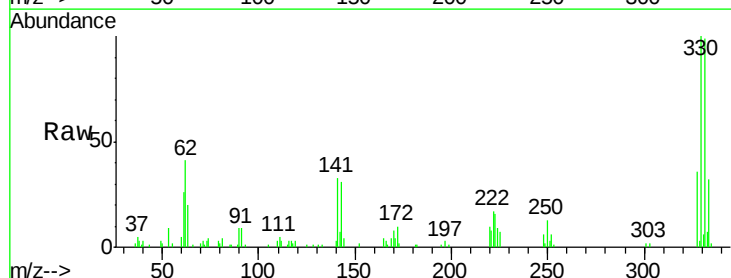
Tgt Ion:330 Resp: 41758

Ion Ratio Lower Upper

330 100

332 94.4 77.8 116.6

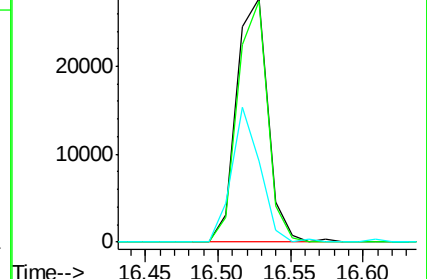
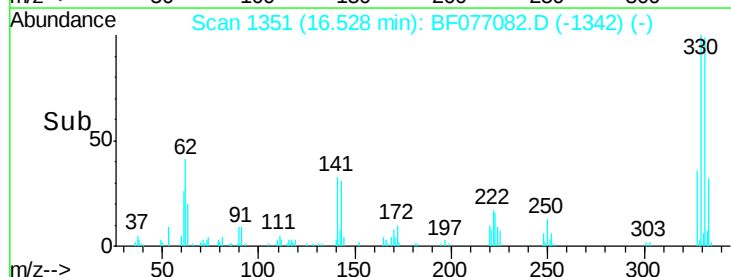
141 50.2 38.5 57.7

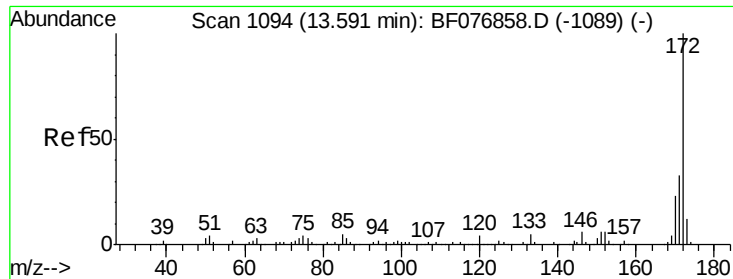


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

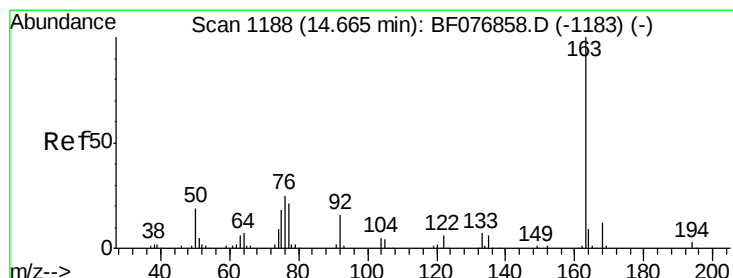
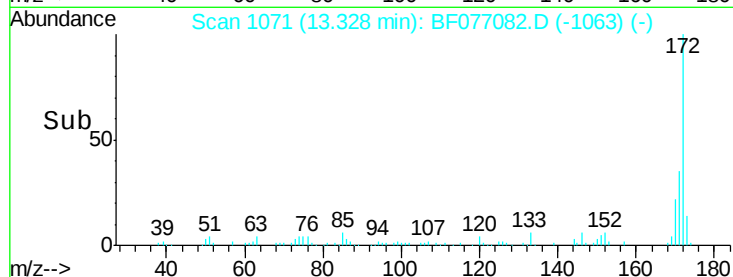
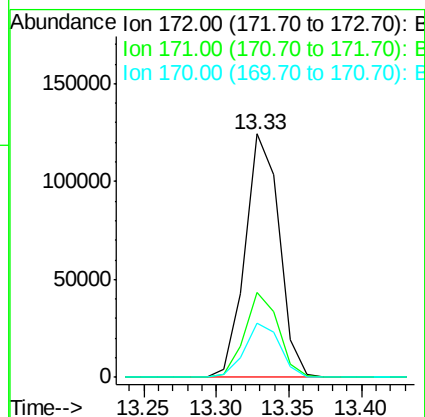
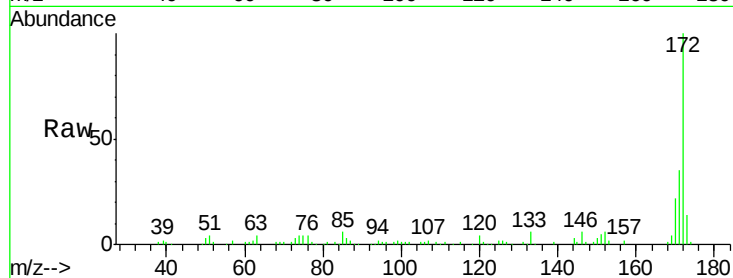




#44
2-Fluorobiphenyl
Concen: 65.31 ng
RT: 13.33 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF077082.D
Acq: 27 Jan 2015 9:59

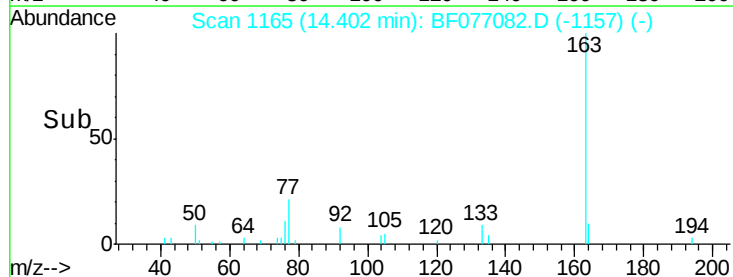
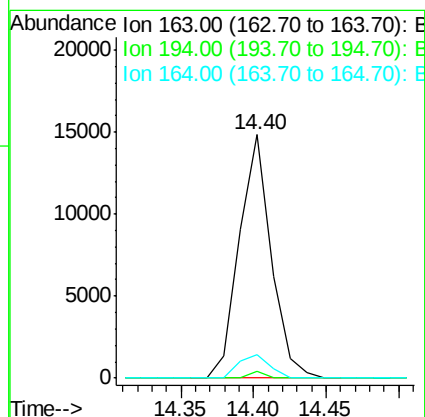
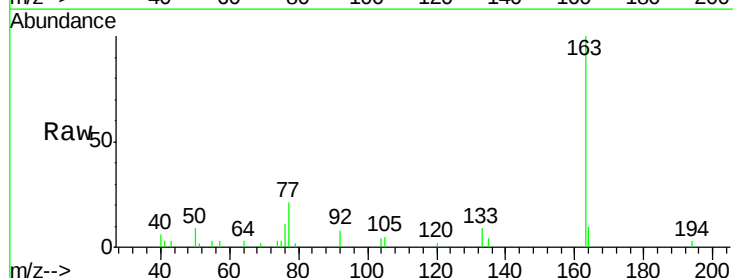
Instrument :
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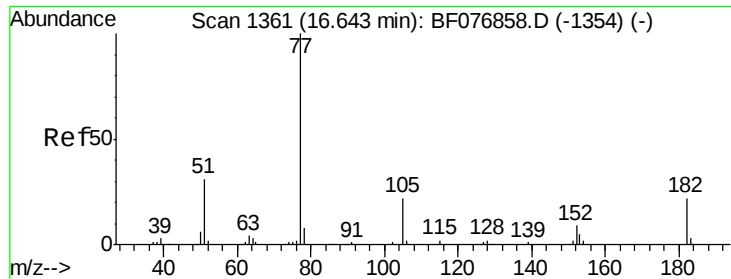
Tgt Ion:172 Resp: 203271
Ion Ratio Lower Upper
172 100
171 35.0 26.6 40.0
170 22.3 18.0 27.0



#49
Dimethylphthalate
Concen: 6.76 ng
RT: 14.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF077082.D
Acq: 27 Jan 2015 9:59

Tgt Ion:163 Resp: 22692
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.7 7.5 11.3





#62

Azobenzene

Concen: 7.36 ng

RT: 16.47 min Scan# 1346

Delta R.T. 0.03 min

Lab File: BF077082.D

Acq: 27 Jan 2015 9:59

Instrument :

BNA_F

ClientSampleId :

WC012215-SOIL

Tgt Ion: 77 Resp: 26023

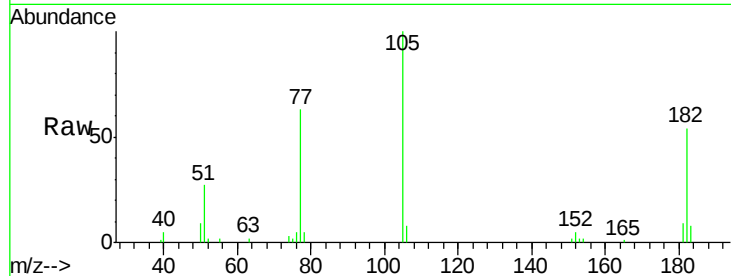
Ion Ratio Lower Upper

77 100

182 84.9 2.0 42.0#

105 157.9 2.3 42.3#

51 43.1 10.7 50.7

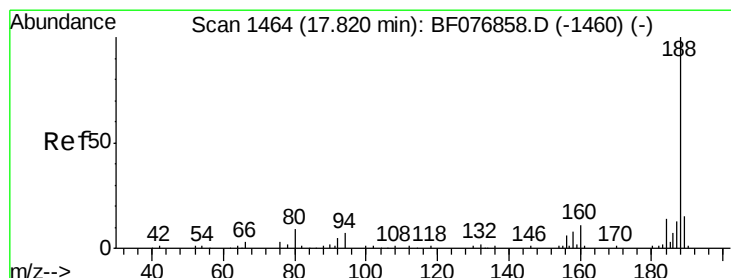
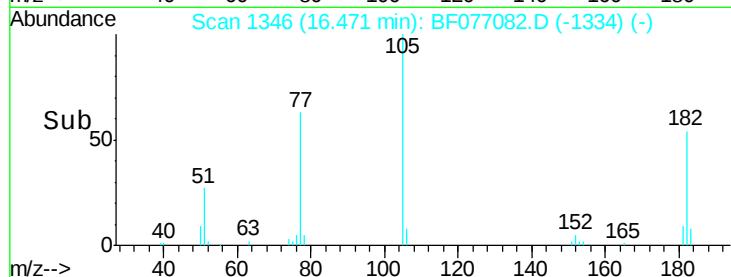
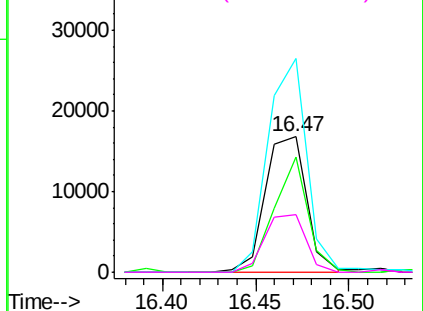


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 17.64 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF077082.D

Acq: 27 Jan 2015 9:59

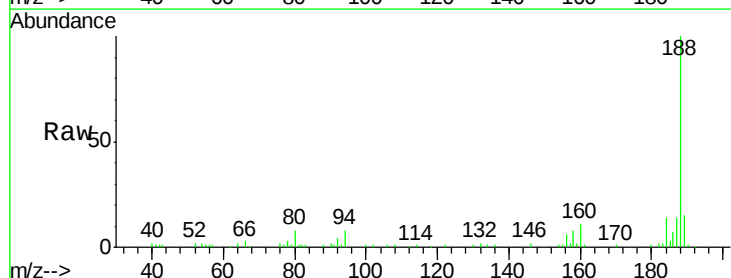
Tgt Ion: 188 Resp: 87669

Ion Ratio Lower Upper

188 100

94 7.7 6.0 9.0

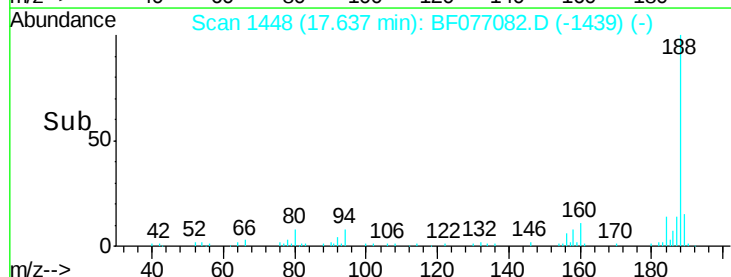
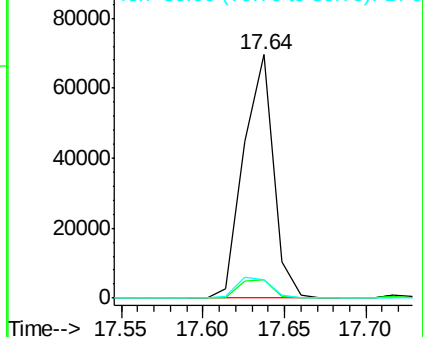
80 7.6 6.9 10.3

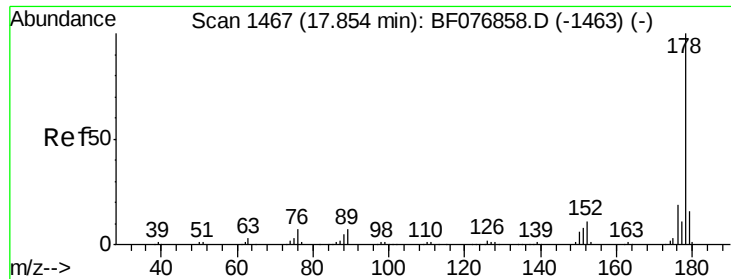


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

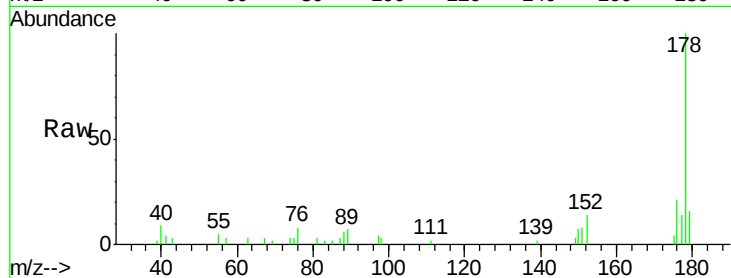




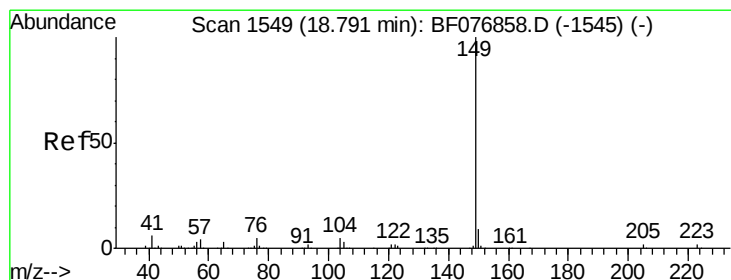
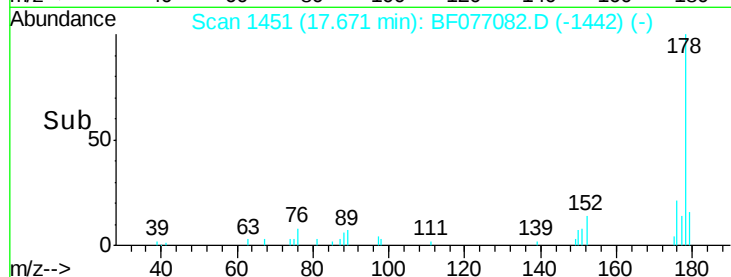
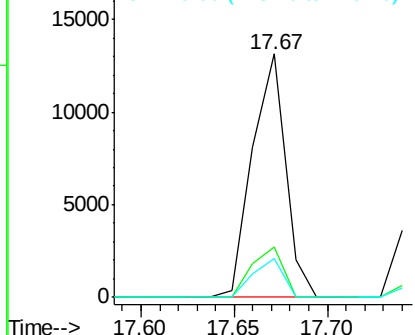
#70
 Phenanthrene
 Concen: 2.96 ng
 RT: 17.67 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF077082.D
 Acq: 27 Jan 2015 9:59

Instrument :
 BNA_F
 ClientSampleId :
 WC012215-SOIL

Tgt Ion:178 Resp: 16189
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.1 22.7
 179 15.8 12.7 19.1

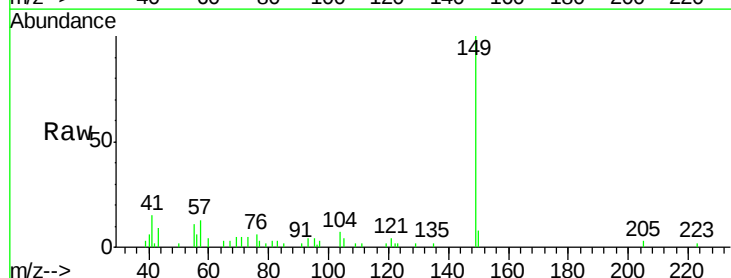


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

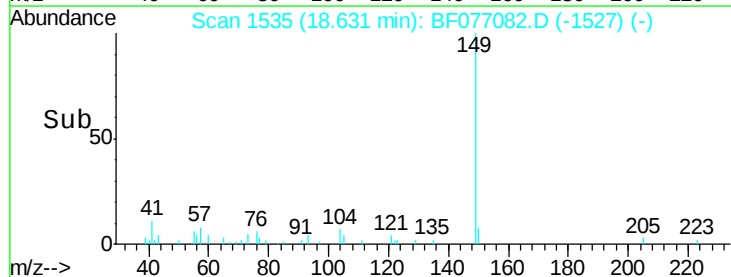
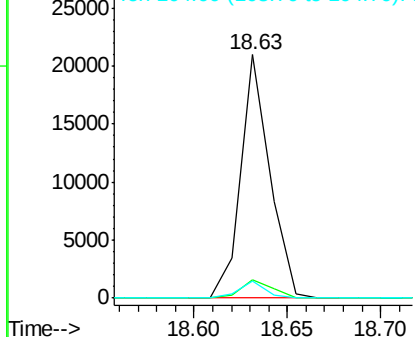


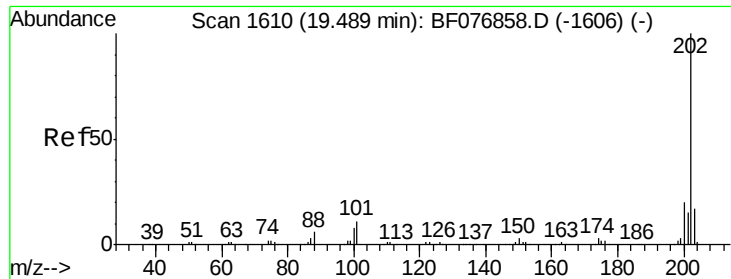
#73
 Di-n-butylphthalate
 Concen: 3.78 ng
 RT: 18.63 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: BF077082.D
 Acq: 27 Jan 2015 9:59

Tgt Ion:149 Resp: 22633
 Ion Ratio Lower Upper
 149 100
 150 7.5 6.9 10.3
 104 6.8 3.7 5.5#



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

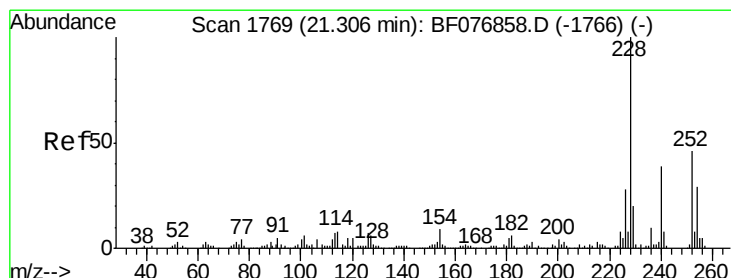
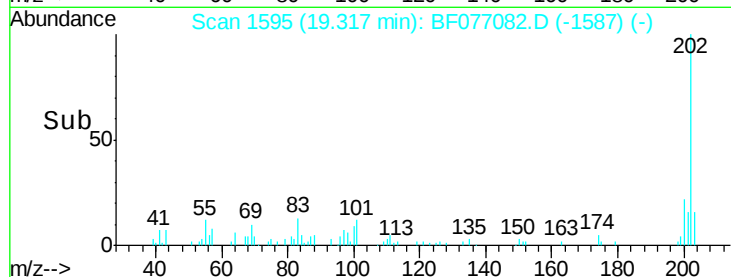
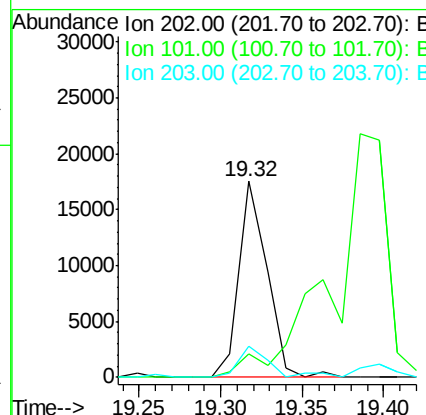
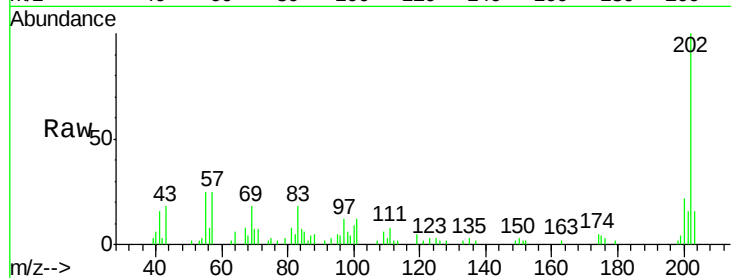




#74
 Fluoranthene
 Concen: 3.73 ng
 RT: 19.32 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF077082.D
 Acq: 27 Jan 2015 9:59

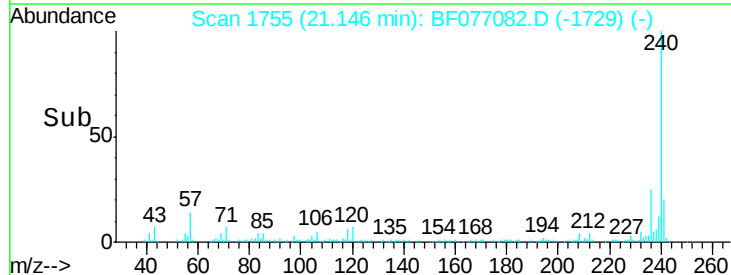
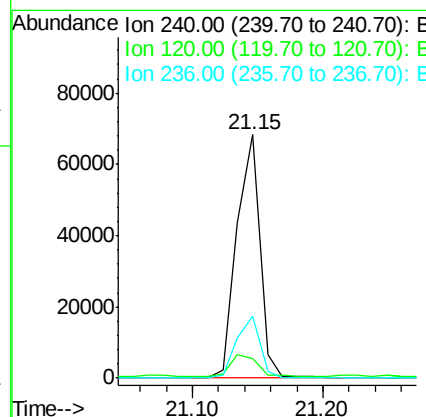
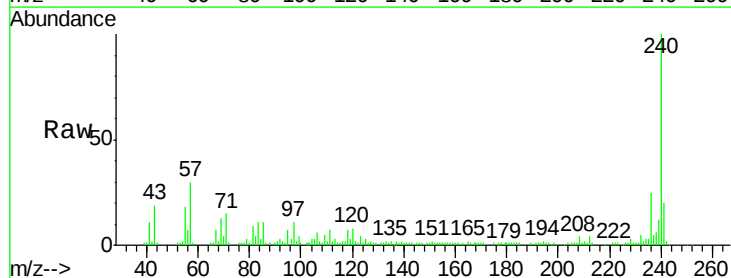
Instrument :
 BNA_F
 ClientSampleId :
 WC012215-SOIL

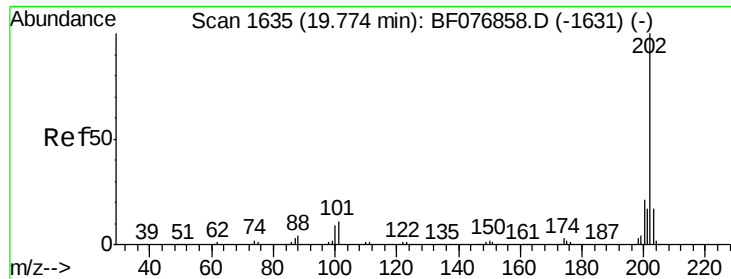
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	20895		
101	12.2	0.0	30.7	
203	15.7	0.0	36.9	



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.15 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BF077082.D
 Acq: 27 Jan 2015 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	83787		
120	7.9	10.4	15.6#	
236	25.5	20.2	30.2	

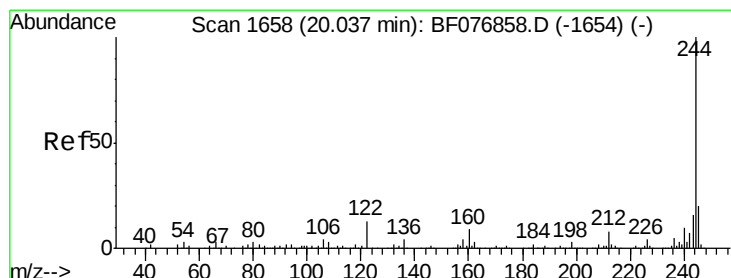
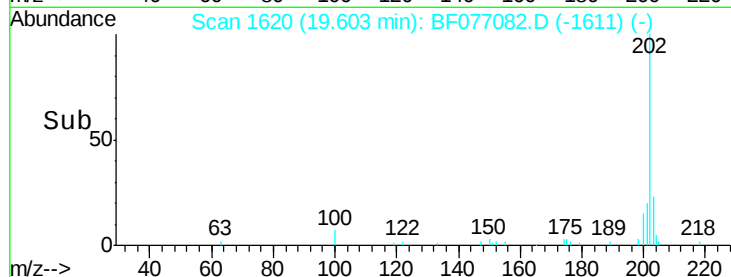
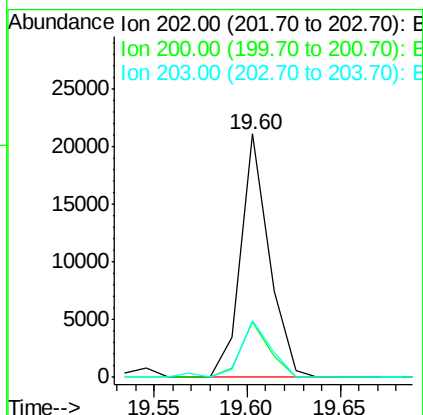
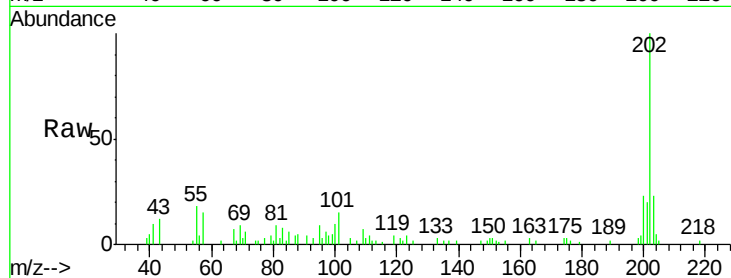




#77
 Pyrene
 Concen: 3.90 ng
 RT: 19.60 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BF077082.D
 Acq: 27 Jan 2015 9:59

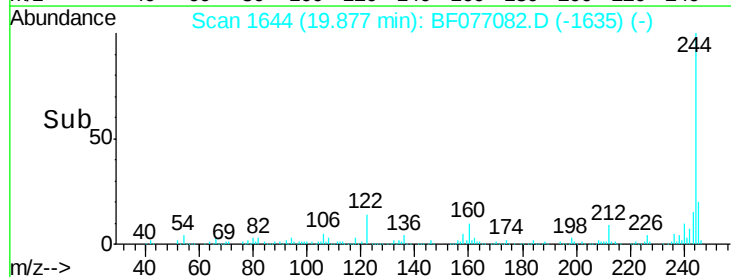
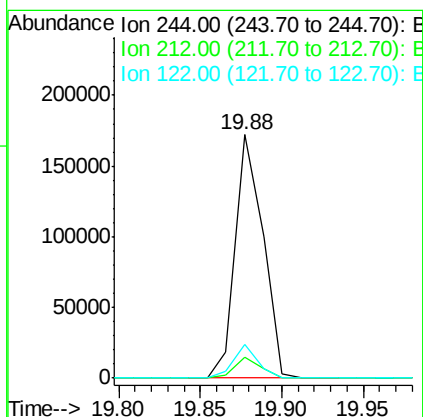
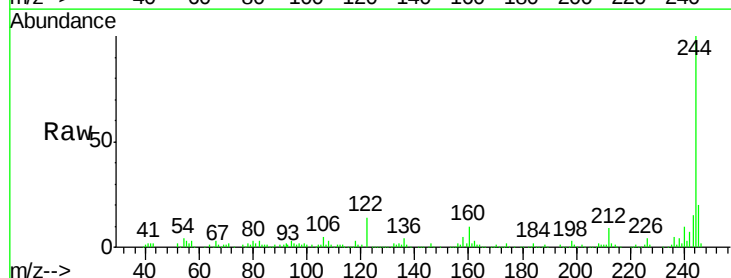
Instrument :
 BNA_F
 ClientSampleId :
 WC012215-SOIL

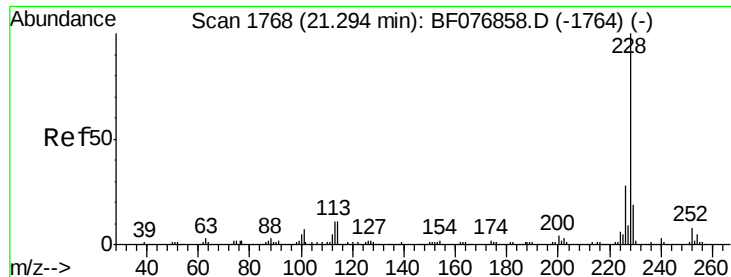
Tgt Ion: 202 Resp: 22379
 Ion Ratio Lower Upper
 202 100
 200 22.8 16.7 25.1
 203 23.1 14.0 21.0#



#78
 Terphenyl-d14
 Concen: 55.43 ng
 RT: 19.88 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: BF077082.D
 Acq: 27 Jan 2015 9:59

Tgt Ion: 244 Resp: 201747
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.3 9.5
 122 13.9 10.1 15.1





#80

Benzo(a)anthracene

Concen: 2.22 ng

RT: 21.13 min Scan# 1754

Delta R.T. 0.00 min

Lab File: BF077082.D

Acq: 27 Jan 2015 9:59

Instrument :

BNA_F

ClientSampleId :

WC012215-SOIL

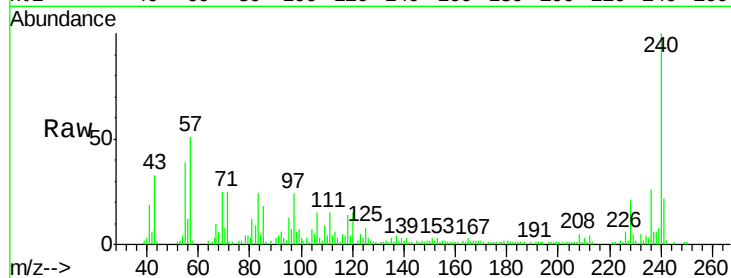
Tgt Ion:228 Resp: 11689

Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

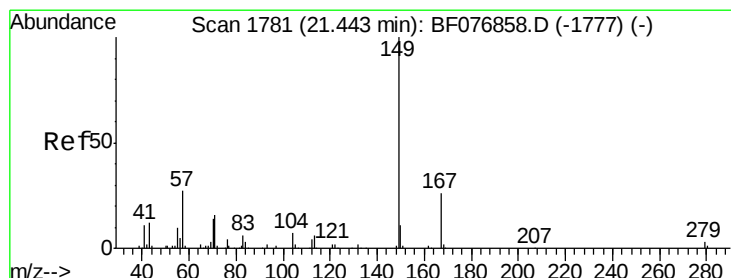
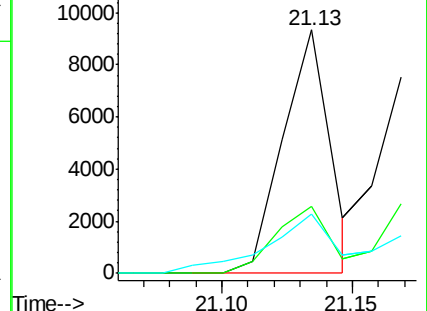
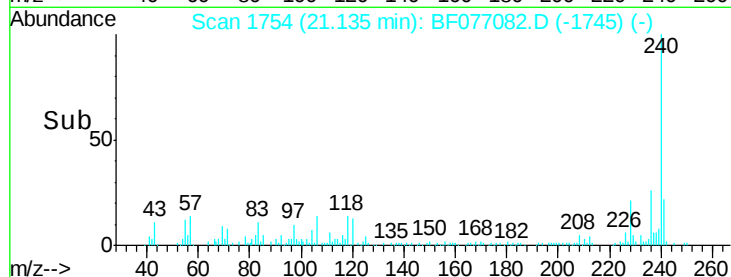
229 24.4 15.5 23.3#



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: 13.83 ng

RT: 21.28 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF077082.D

Acq: 27 Jan 2015 9:59

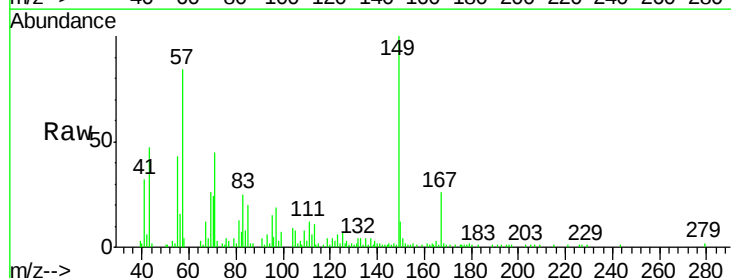
Tgt Ion:149 Resp: 49754

Ion Ratio Lower Upper

149 100

167 26.4 20.6 30.8

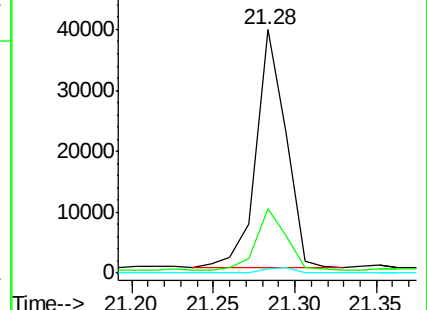
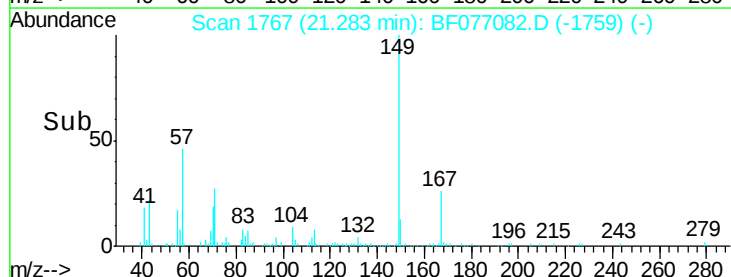
279 1.9 2.2 3.2#

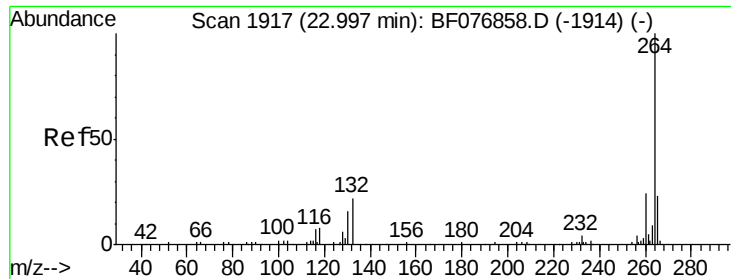


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



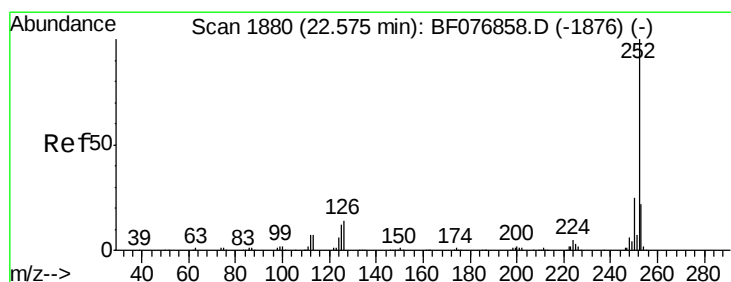
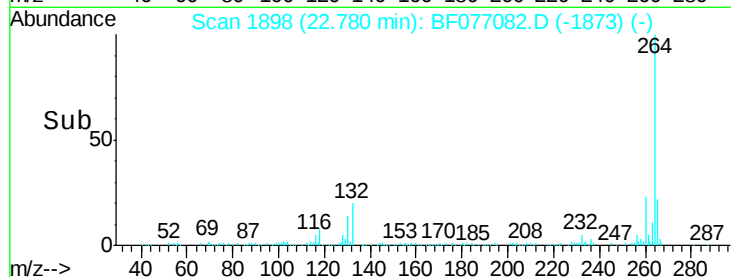
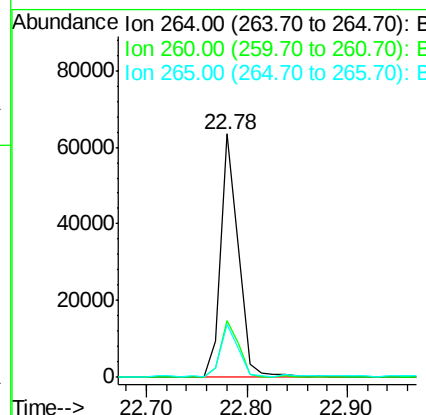
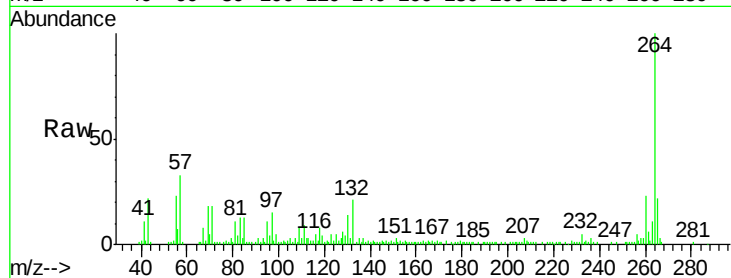


#86
Perylene-d12
Concen: 20.00 ng
RT: 22.78 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BF077082.D
Acq: 27 Jan 2015 9:59

Instrument :
BNA_F
ClientSampleId :
WC012215-SOIL

Tgt Ion: 264 Resp: 77557

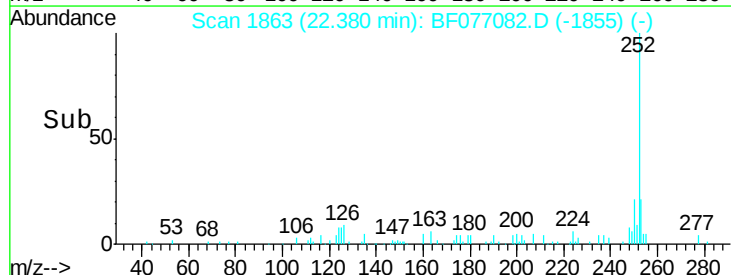
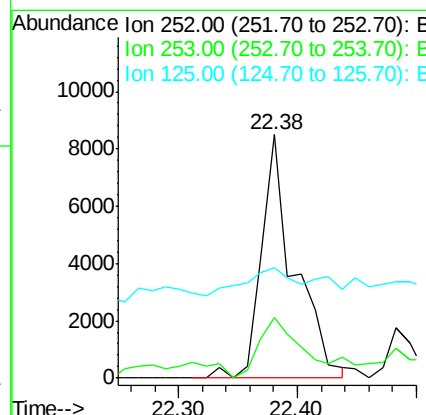
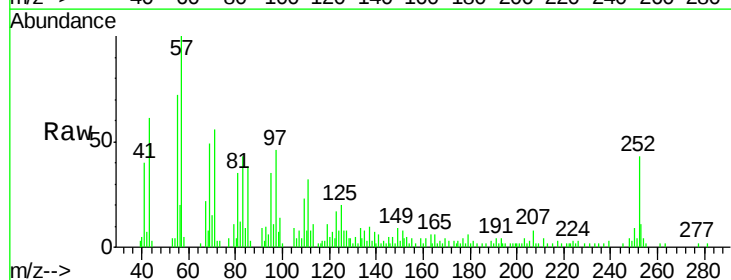
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.5	18.1	27.1

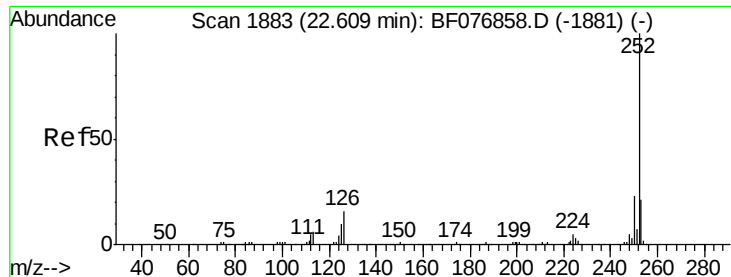


#87
Benzo(b)fluoranthene
Concen: 3.12 ng
RT: 22.38 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BF077082.D
Acq: 27 Jan 2015 9:59

Tgt Ion: 252 Resp: 16316

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	45.5	9.4	14.0





#88

Benzo(k)fluoranthene

Concen: 3.62 ng

RT: 22.38 min Scan# 1863

Delta R.T. -0.03 min

Lab File: BF077082.D

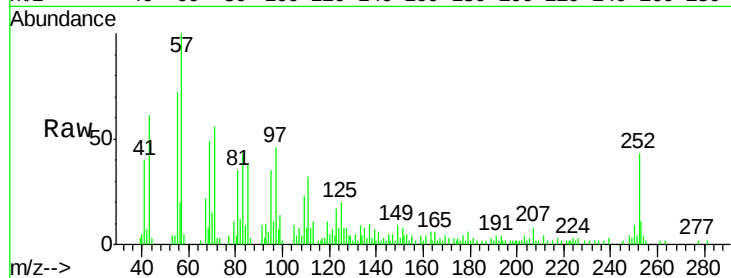
Acq: 27 Jan 2015 9:59

Instrument :

BNA_F

ClientSampleId :

WC012215-SOIL



Tgt Ion:	252	Resp:	16535
Ion Ratio		Lower	Upper
252	100		
253	25.1	17.2	25.8
125	45.5	7.1	10.7#

