

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110415\
 Data File : BF082679.D
 Acq On : 4 Nov 2015 2:41
 Operator : UM/IZ
 Sample : G4232-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-102815-2

Quant Time: Nov 04 06:03:28 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

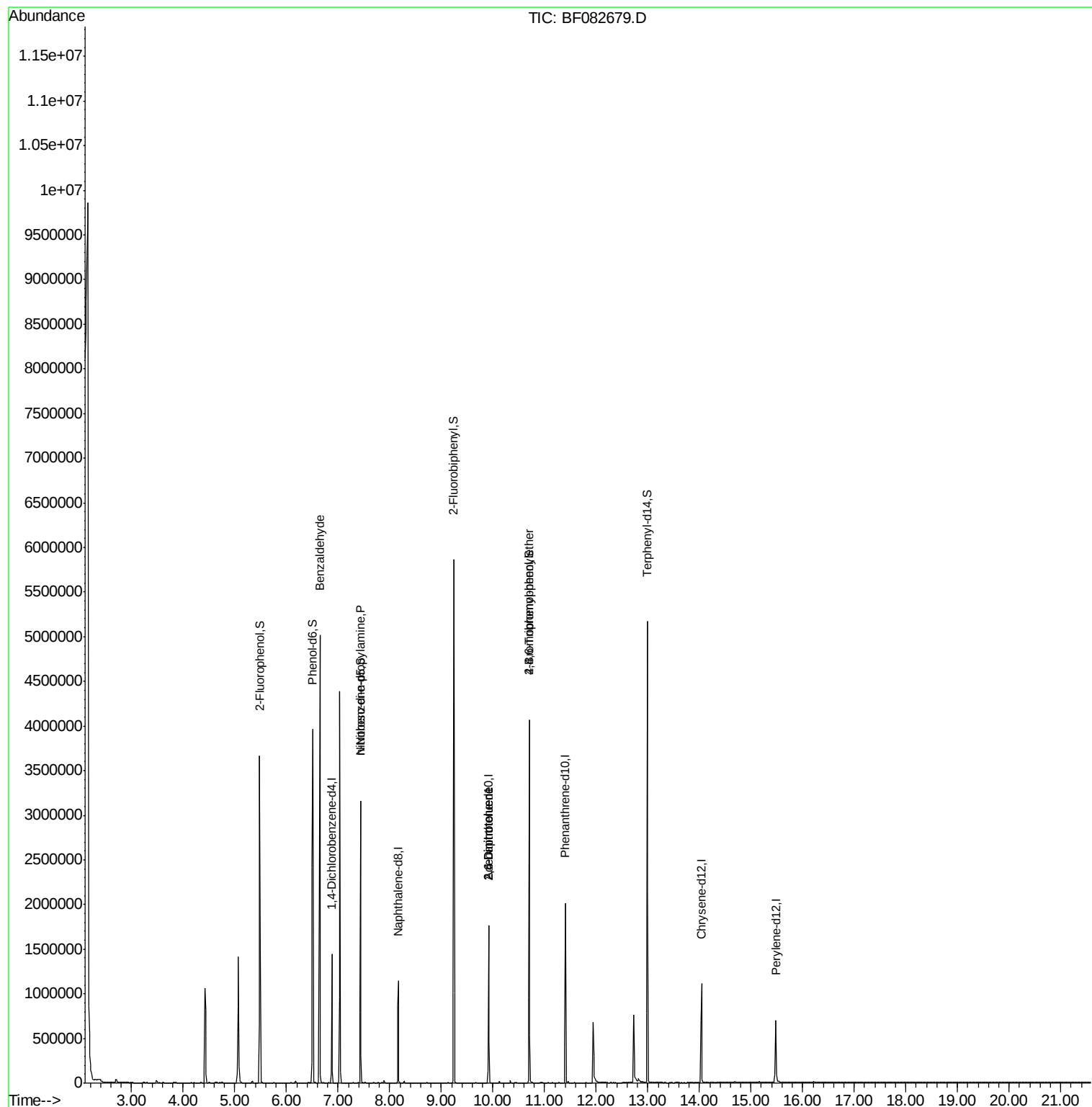
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	178943	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	669105	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	341667	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	682295	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	490480	20.00	ng	-0.01
86) Perylene-d12	15.48	264	414292	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1086546	91.45	ng	0.01
7) Phenol-d6	6.51	99	1562936	99.02	ng	0.00
23) Nitrobenzene-d5	7.44	82	1024806	62.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	414072	110.74	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1725259	71.69	ng	-0.01
78) Terphenyl-d14	12.99	244	1795361	80.11	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.65	77	37725	3.50	ng	Qvalue 89
19) n-Nitroso-di-n-propylamine	7.44	70	142837	11.94	ng	# 72
50) 2,6-Dinitrotoluene	9.92	165	43175	7.46	ng	# 17
56) 2,4-Dinitrotoluene	9.92	165	43177	5.52	ng	# 15
66) 4-Bromophenyl-phenylether	10.70	248	28854	3.73	ng	# 1

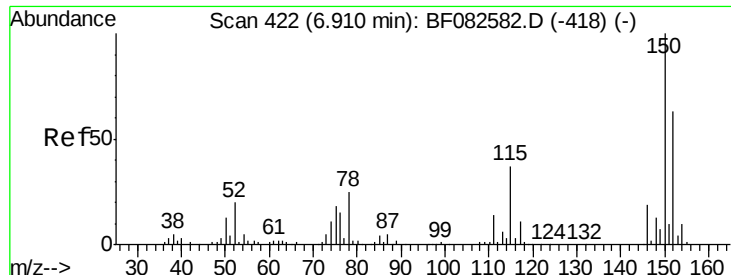
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 03 12:27:47 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF082679.D

Acq: 4 Nov 2015 2:41

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-2

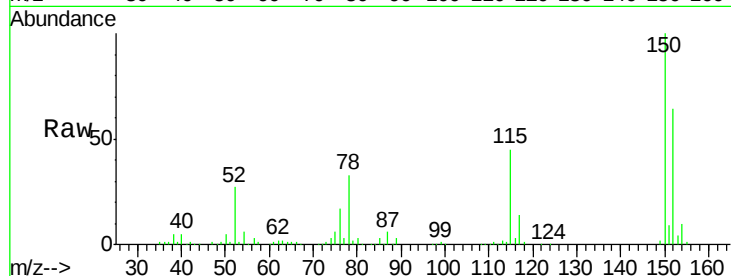
Tgt Ion:152 Resp: 178943

Ion Ratio Lower Upper

152 100

150 156.5 127.0 190.4

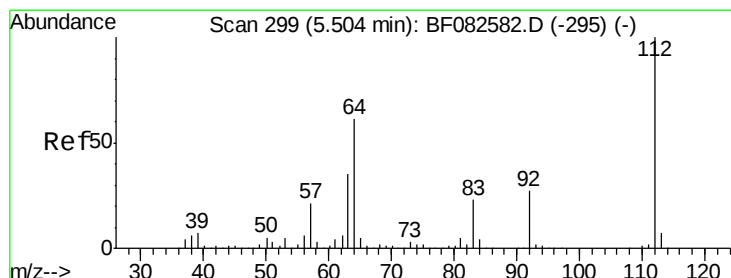
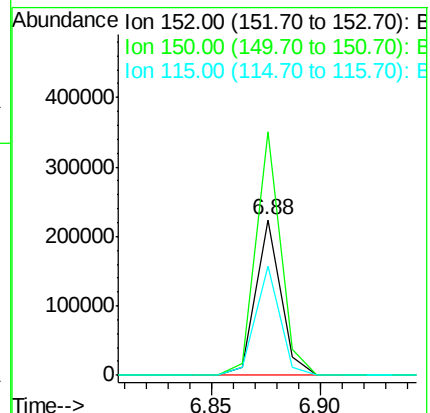
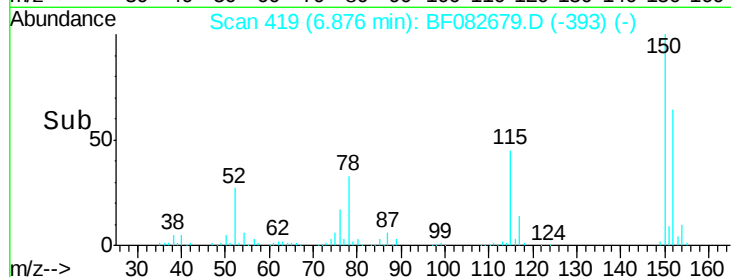
115 69.9 47.0 70.6



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: 91.45 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF082679.D

Acq: 4 Nov 2015 2:41

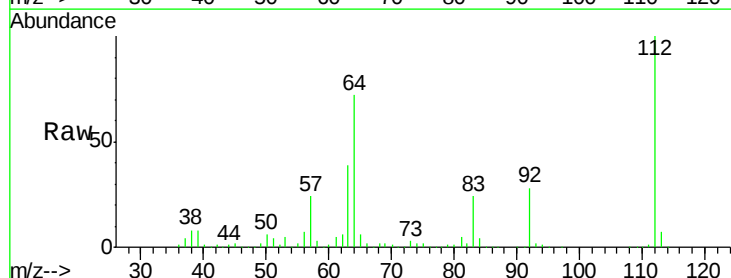
Tgt Ion:112 Resp: 1086546

Ion Ratio Lower Upper

112 100

64 72.0 48.9 73.3

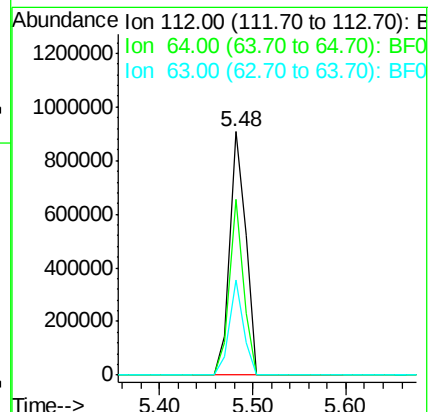
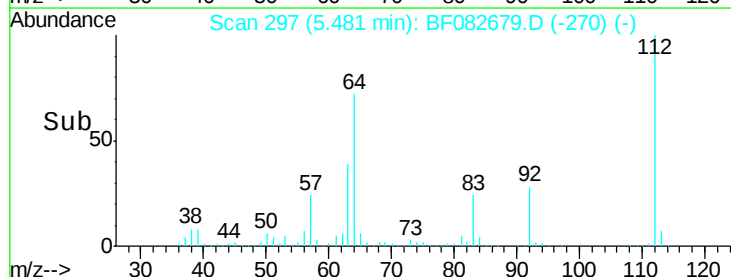
63 39.3 28.1 42.1



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: 99.02 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082679.D

Acq: 4 Nov 2015 2:41

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-2

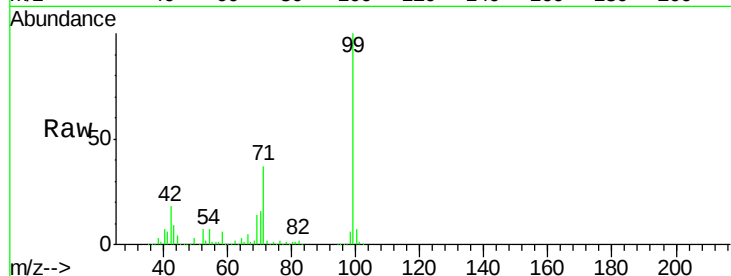
Tgt Ion: 99 Resp: 1562936

Ion Ratio Lower Upper

99 100

42 17.9 19.2 28.8#

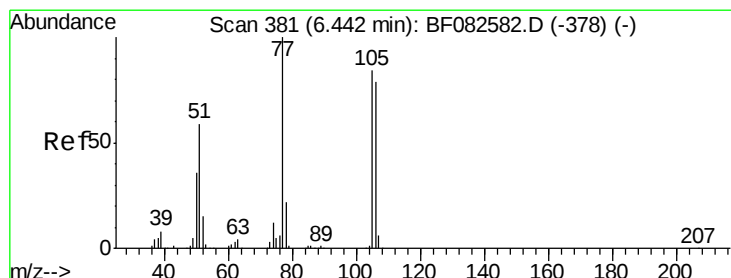
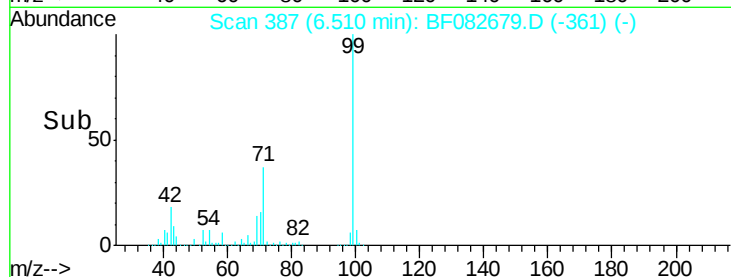
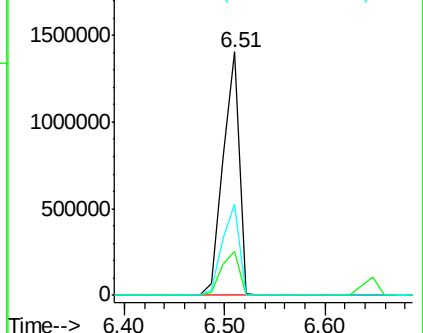
71 37.4 35.0 52.4



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



#9

Benzaldehyde

Concen: 3.50 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF082679.D

Acq: 4 Nov 2015 2:41

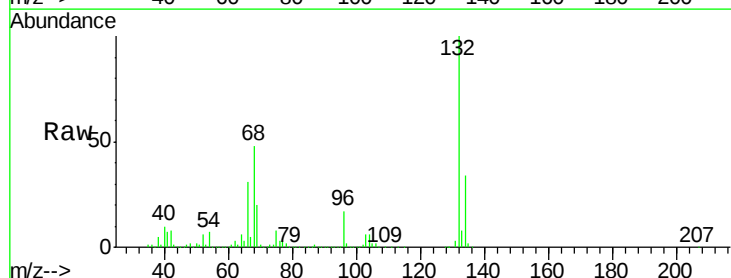
Tgt Ion: 77 Resp: 37725

Ion Ratio Lower Upper

77 100

105 77.9 63.5 103.5

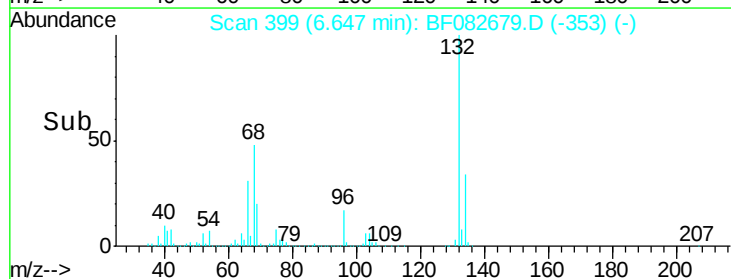
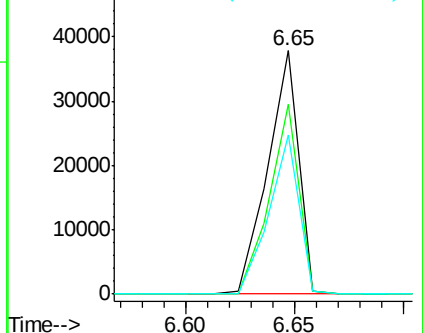
106 65.5 59.3 99.3

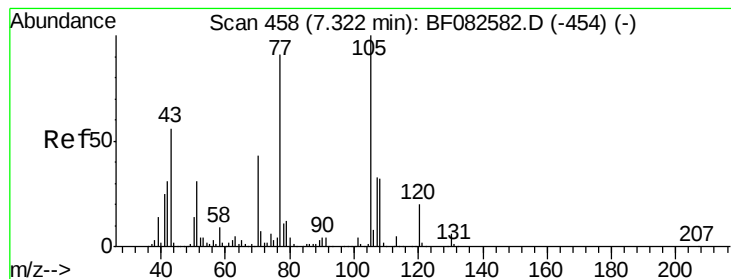


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 11.94 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF082679.D

Acq: 4 Nov 2015 2:41

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-2

Tgt Ion: 70 Resp: 142837

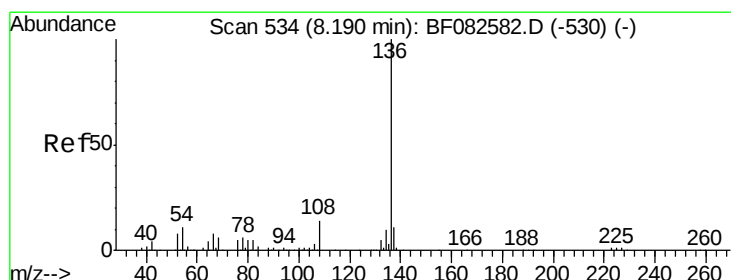
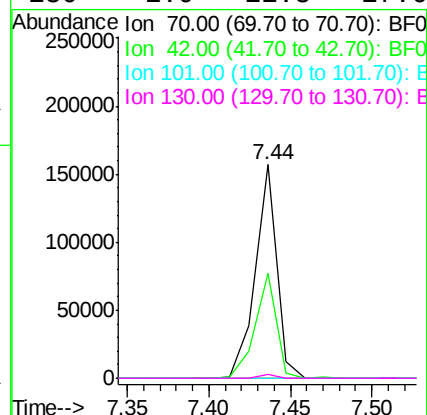
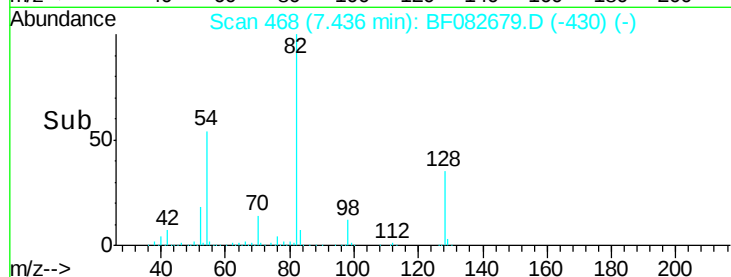
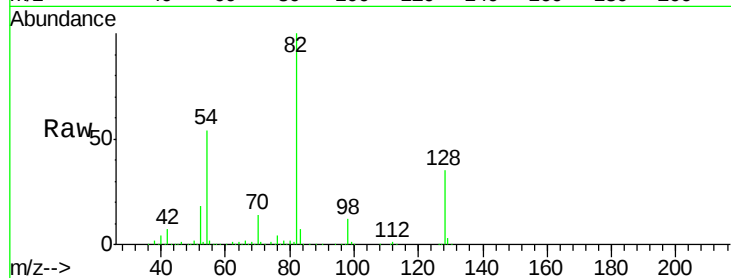
Ion Ratio Lower Upper

70 100

42 49.4 57.7 86.5#

101 0.0 7.0 10.6#

130 1.9 11.8 17.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF082679.D

Acq: 4 Nov 2015 2:41

Tgt Ion: 136 Resp: 669105

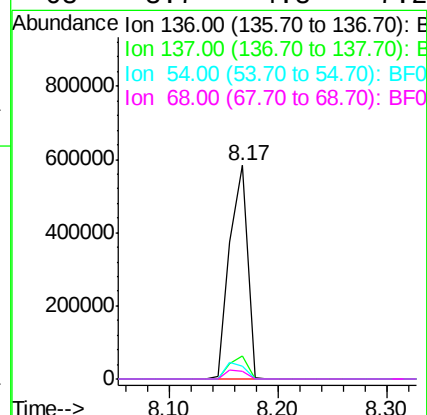
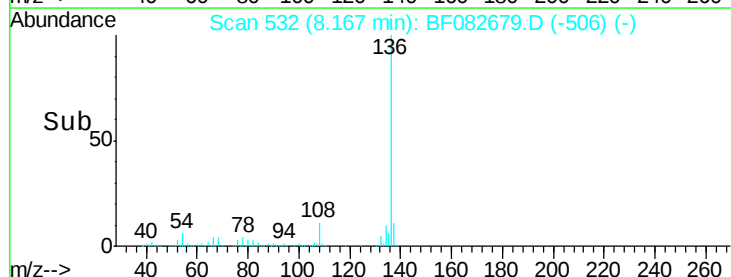
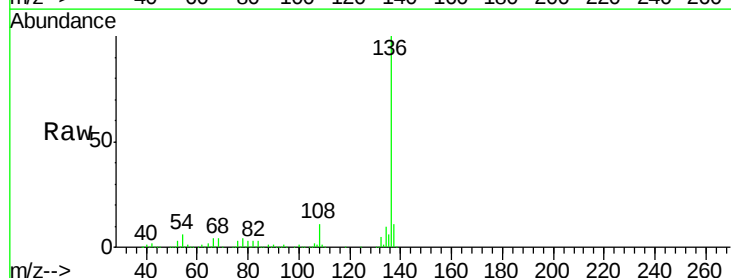
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.9 9.1 13.7#

68 3.7 4.8 7.2#

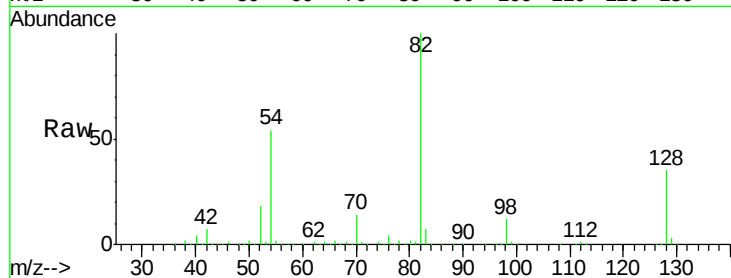




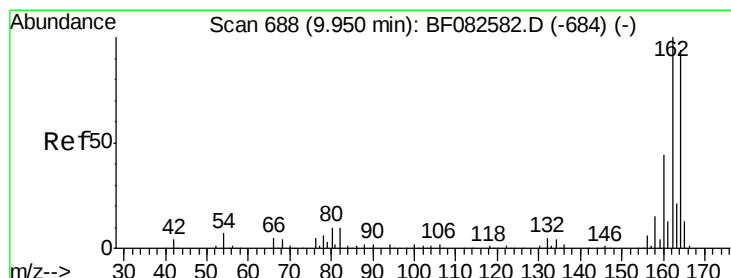
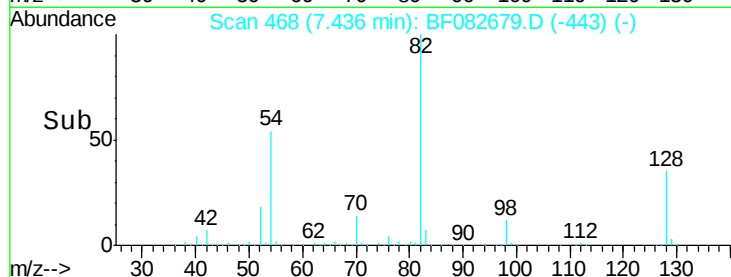
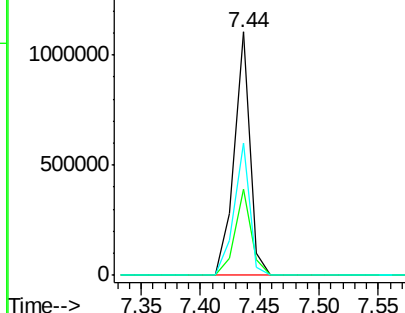
#23
 Nitrobenzene-d5
 Concen: 62.54 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF082679.D
 Acq: 4 Nov 2015 2:41

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-102815-2

Tgt Ion: 82 Resp: 1024806
 Ion Ratio Lower Upper
 82 100
 128 35.2 26.8 40.2
 54 54.5 45.7 68.5

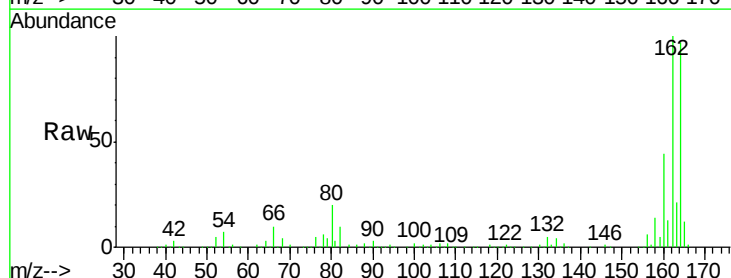


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

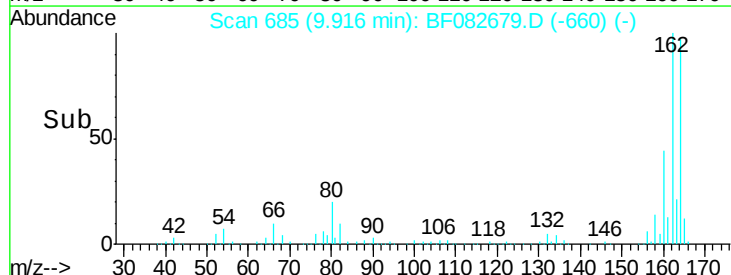
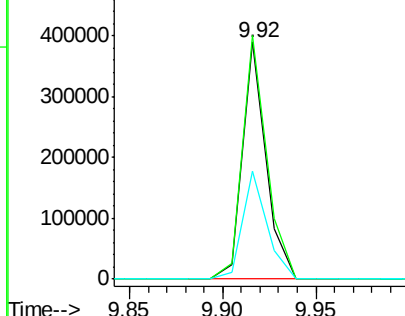


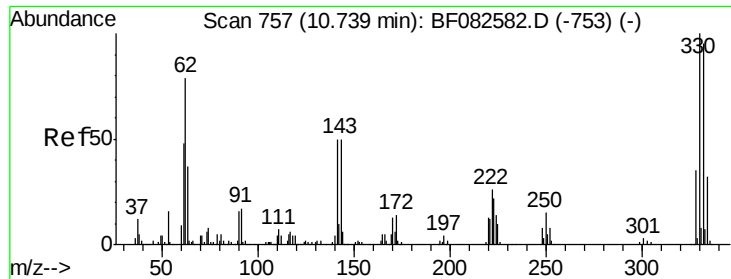
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BF082679.D
 Acq: 4 Nov 2015 2:41

Tgt Ion: 164 Resp: 341667
 Ion Ratio Lower Upper
 164 100
 162 102.7 84.9 127.3
 160 45.6 37.5 56.3



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

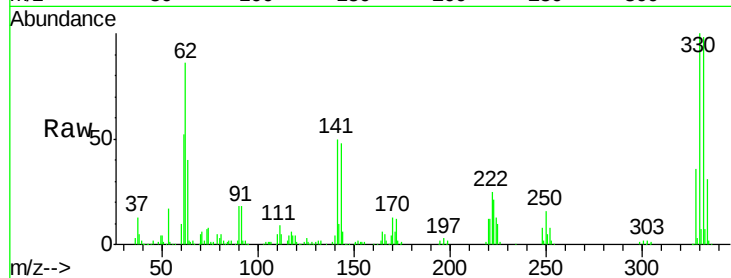




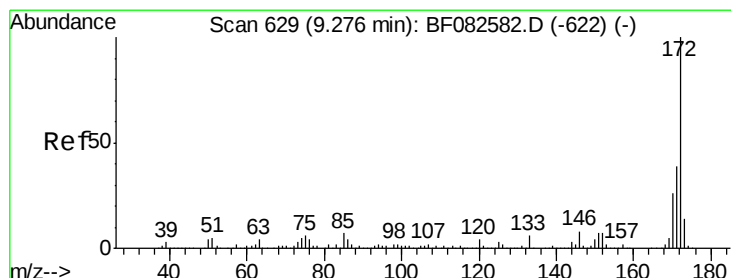
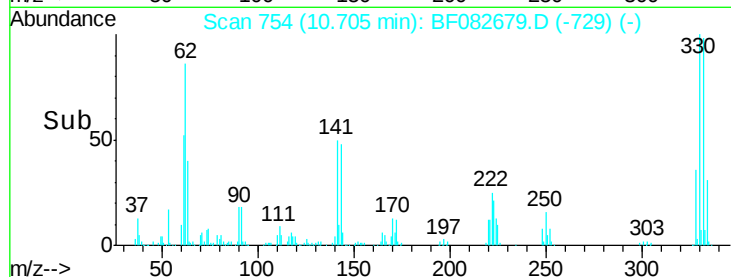
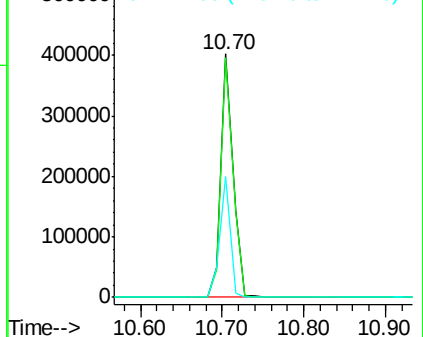
#41
 2,4,6-Tribromophenol
 Concen: 110.74 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF082679.D
 Acq: 4 Nov 2015 2:41

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-102815-2

Tgt Ion:330 Resp: 414072
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 43.4 41.2 61.8

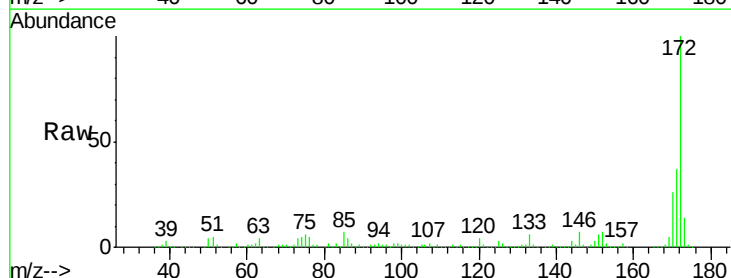


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

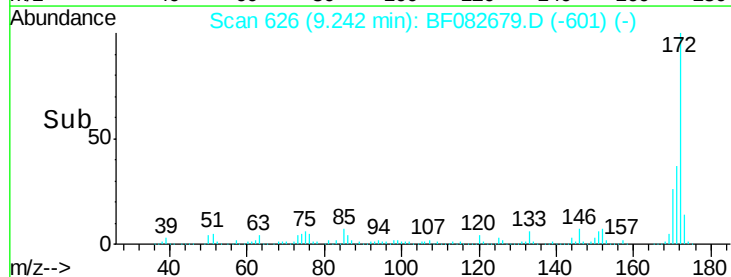
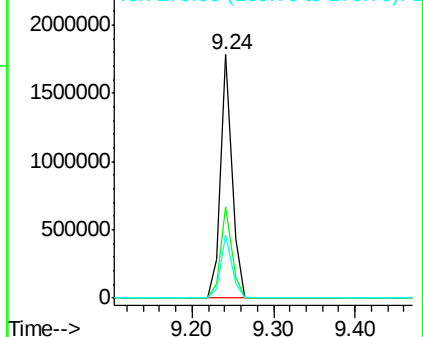


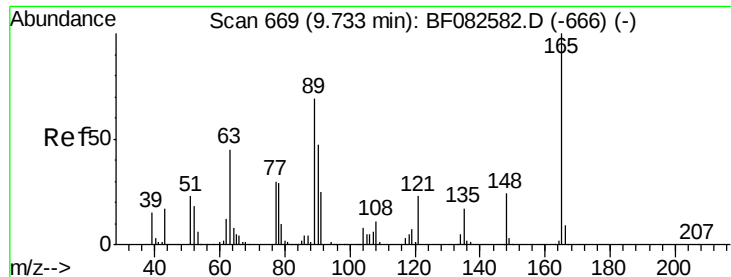
#44
 2-Fluorobiphenyl
 Concen: 71.69 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF082679.D
 Acq: 4 Nov 2015 2:41

Tgt Ion:172 Resp: 1725259
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 26.0 21.2 31.8



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

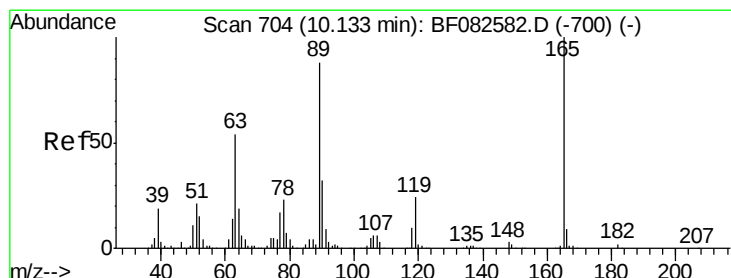
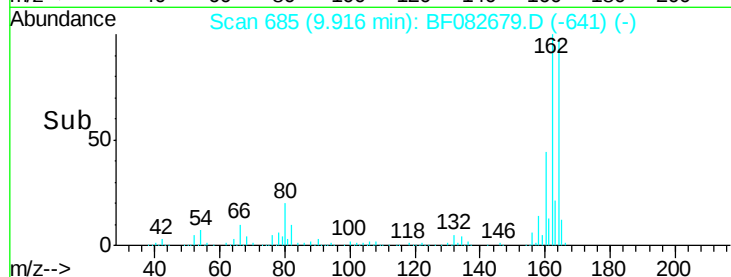
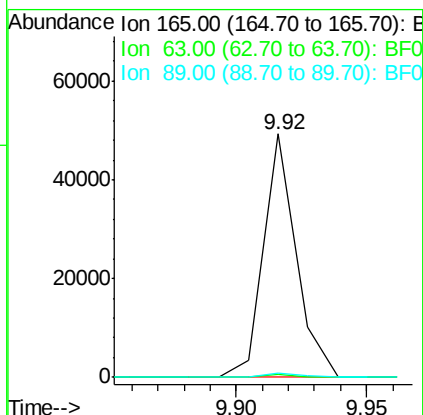
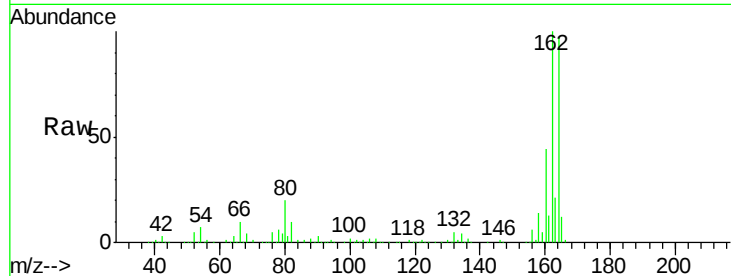




#50
 2,6-Dinitrotoluene
 Concen: 7.46 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.21 min
 Lab File: BF082679.D
 Acq: 4 Nov 2015 2:41

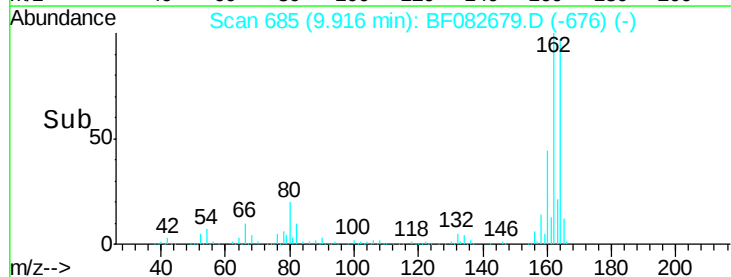
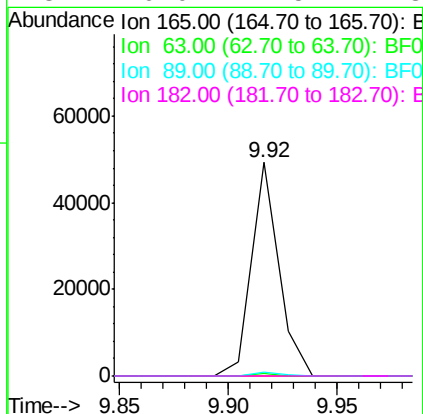
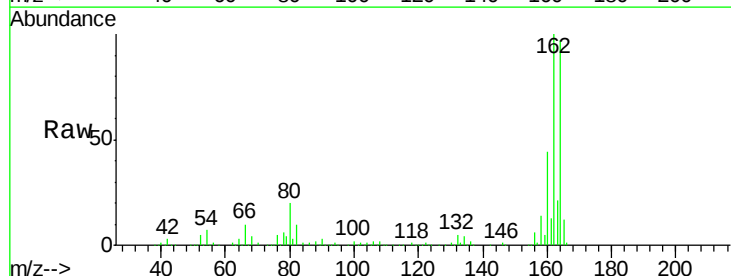
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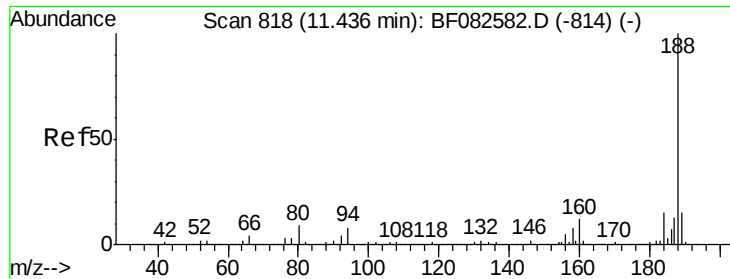
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	55.5	83.3#
89	1.6	55.0	82.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.52 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.19 min
 Lab File: BF082679.D
 Acq: 4 Nov 2015 2:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.4	65.0#
89	1.6	70.6	106.0#
182	0.0	1.5	2.3#

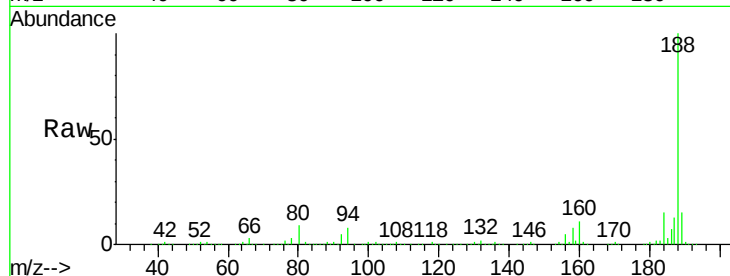




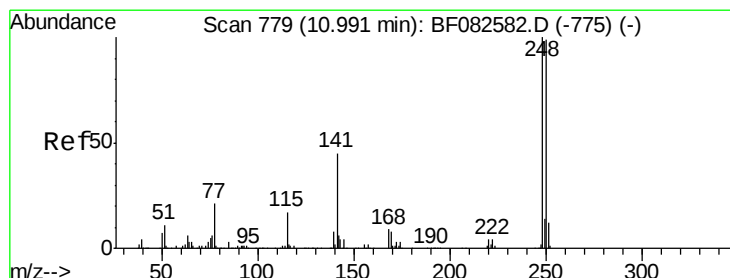
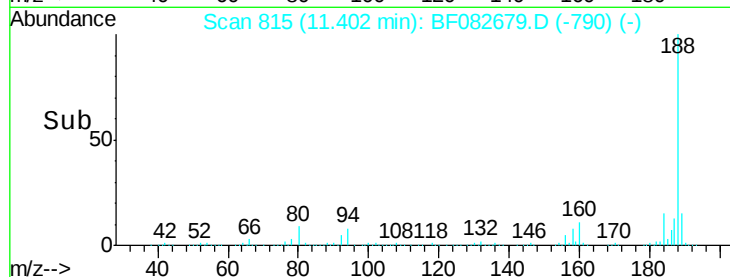
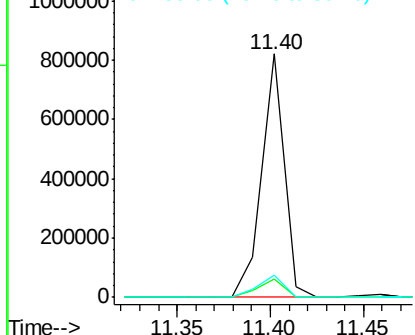
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF082679.D
Acq: 4 Nov 2015 2:41

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-102815-2

Tgt Ion:188 Resp: 682295
Ion Ratio Lower Upper
188 100
94 7.6 6.1 9.1
80 8.9 7.0 10.6

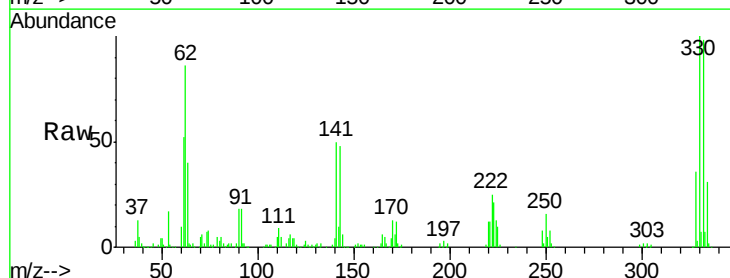


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

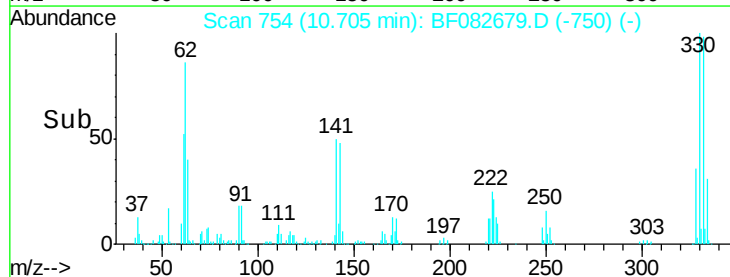
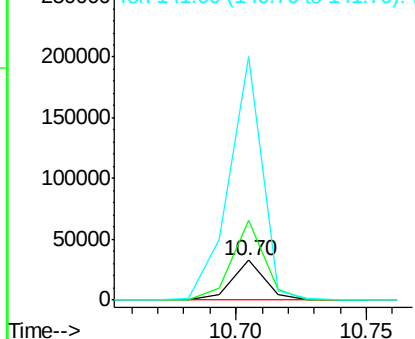


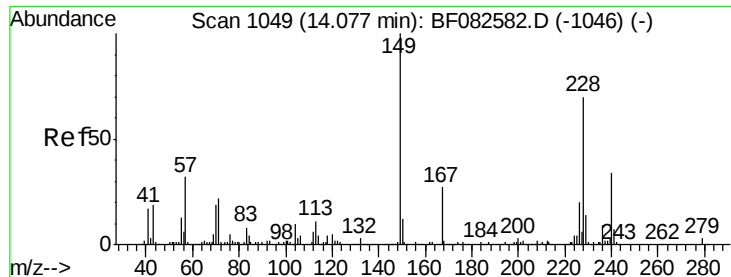
#66
4-Bromophenyl-phenylether
Concen: 3.73 ng
RT: 10.70 min Scan# 754
Delta R.T. -0.25 min
Lab File: BF082679.D
Acq: 4 Nov 2015 2:41

Tgt Ion:248 Resp: 28854
Ion Ratio Lower Upper
248 100
250 201.8 79.4 119.2#
141 615.0 36.3 54.5#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF082679.D

Acq: 4 Nov 2015 2:41

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-2

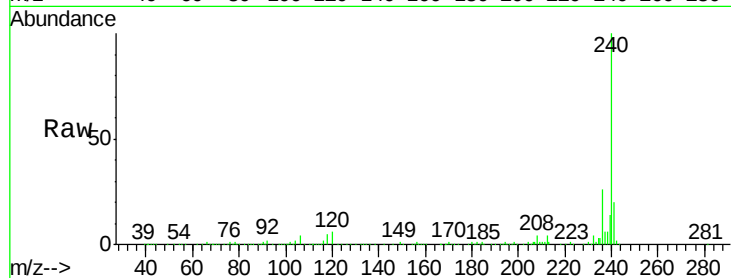
Tgt Ion:240 Resp: 490480

Ion Ratio Lower Upper

240 100

120 5.5 10.9 16.3#

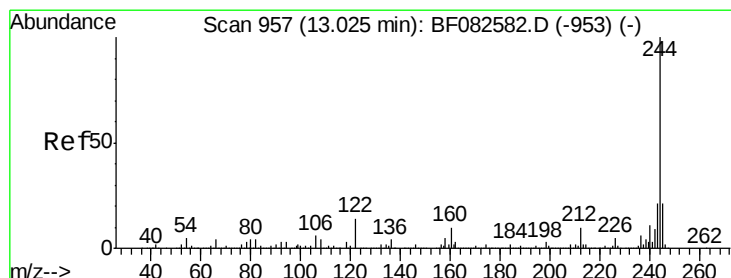
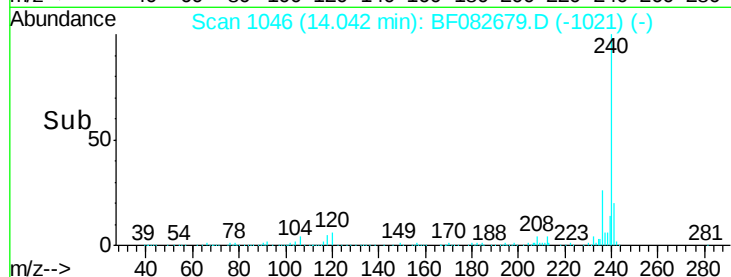
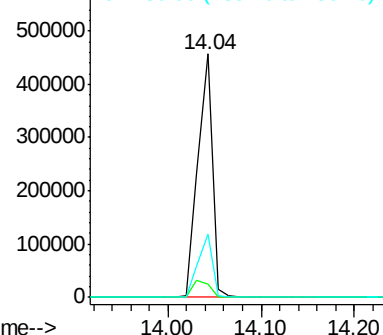
236 26.0 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 80.11 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF082679.D

Acq: 4 Nov 2015 2:41

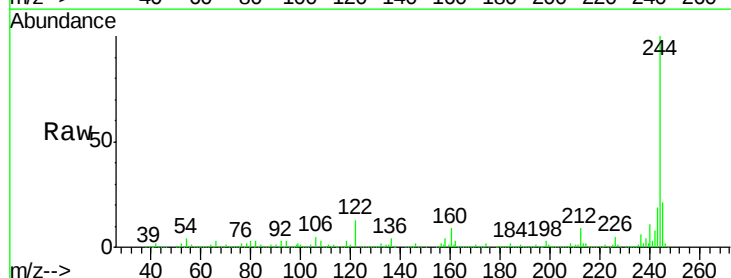
Tgt Ion:244 Resp: 1795361

Ion Ratio Lower Upper

244 100

212 8.7 7.6 11.4

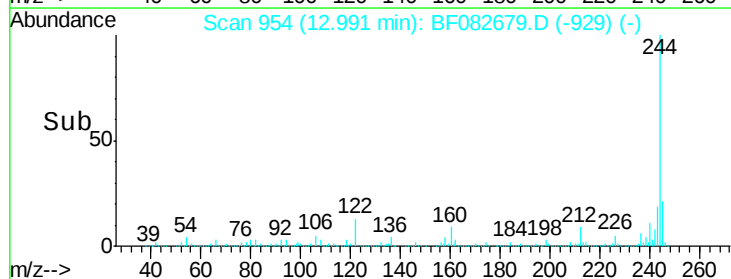
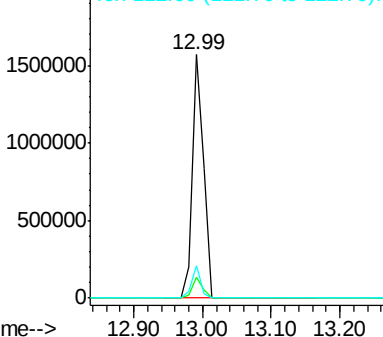
122 13.3 11.3 16.9

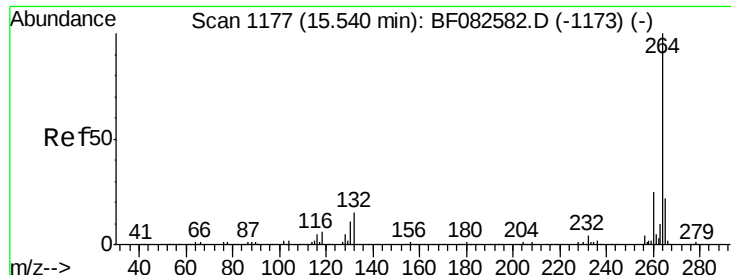


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

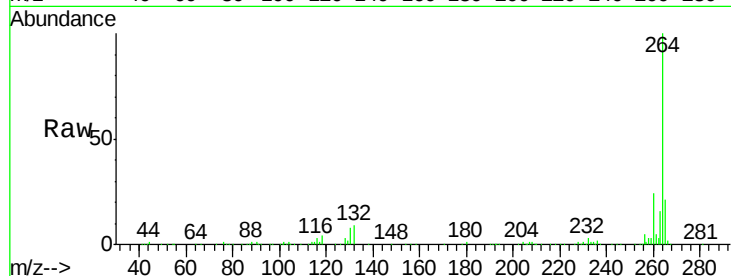




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF082679.D
Acq: 4 Nov 2015 2:41

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-102815-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.6
265	20.9	17.4	26.0



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

