

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110415\
 Data File : BF082678.D
 Acq On : 4 Nov 2015 2:12
 Operator : UM/IZ
 Sample : G4232-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-102815-1

Quant Time: Nov 04 06:03:03 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

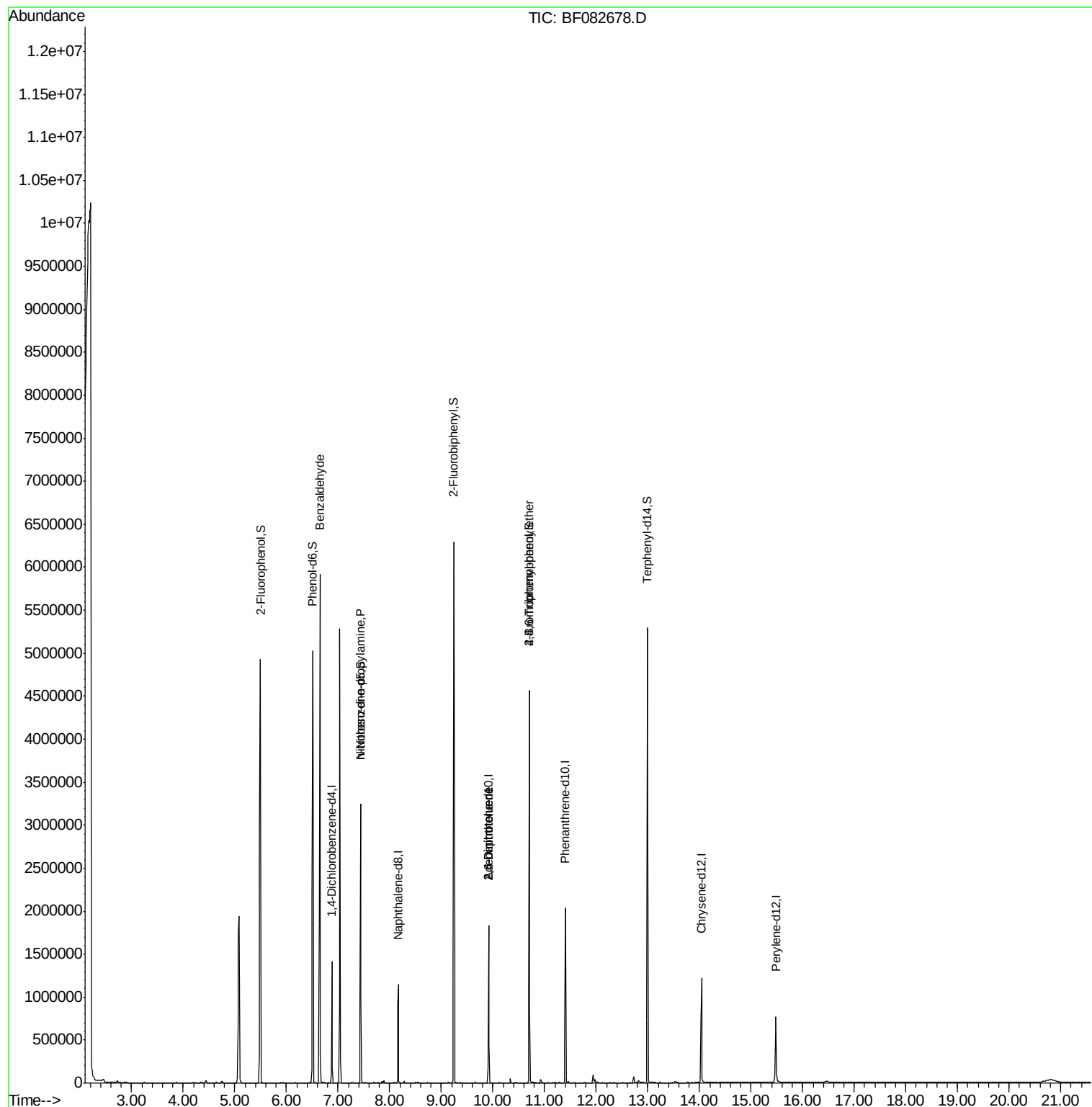
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	177438	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	677242	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	351084	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	694749	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	524412	20.00	ng	-0.01
86) Perylene-d12	15.48	264	437751	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1452528	123.29	ng	0.02
7) Phenol-d6	6.51	99	1670058	106.71	ng	0.00
23) Nitrobenzene-d5	7.44	82	1229576	74.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	501457	130.51	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	2036750	82.37	ng	-0.01
78) Terphenyl-d14	12.99	244	2275125	94.94	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.65	77	42442	3.97	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.44	70	166297	14.02	ng	# 73
50) 2,6-Dinitrotoluene	9.92	165	44689	7.52	ng	# 17
56) 2,4-Dinitrotoluene	9.92	165	44680	5.56	ng	# 16
66) 4-Bromophenyl-phenylether	10.70	248	33649	4.27	ng	# 1

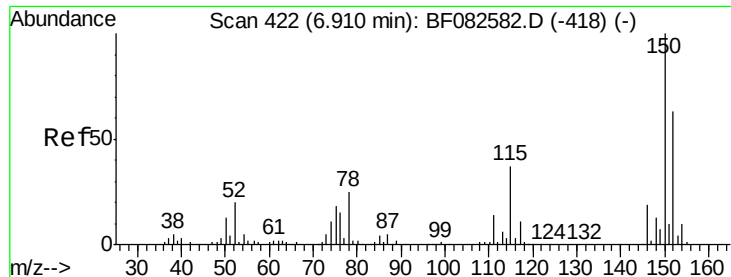
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
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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: BF082678.D

Acq: 4 Nov 2015 2:12

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-1

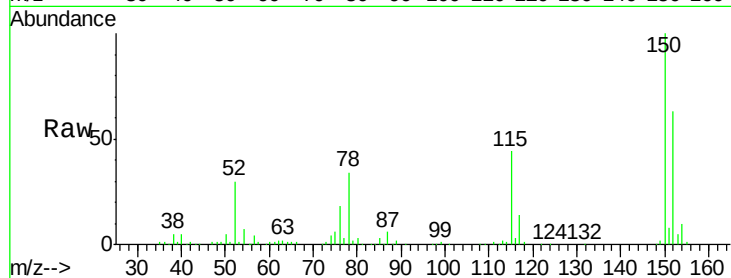
Tgt Ion:152 Resp: 177438

Ion Ratio Lower Upper

152 100

150 158.2 127.0 190.4

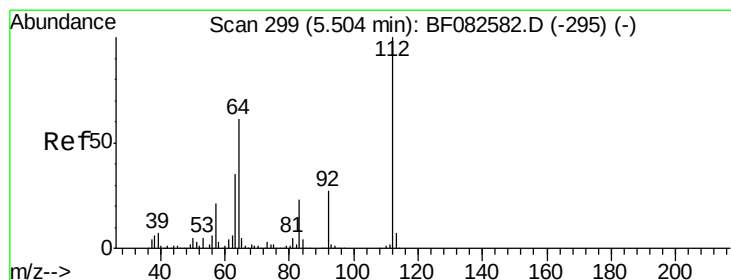
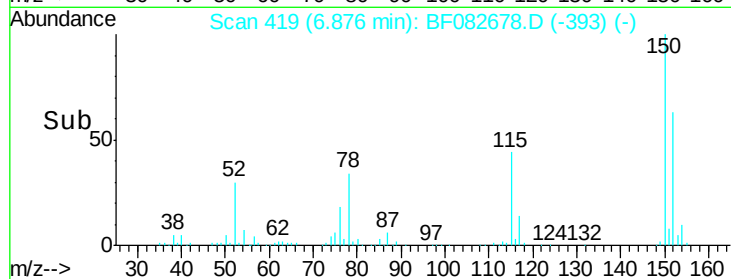
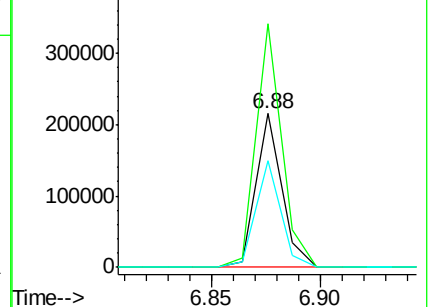
115 69.6 47.0 70.6



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: 123.29 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.02 min

Lab File: BF082678.D

Acq: 4 Nov 2015 2:12

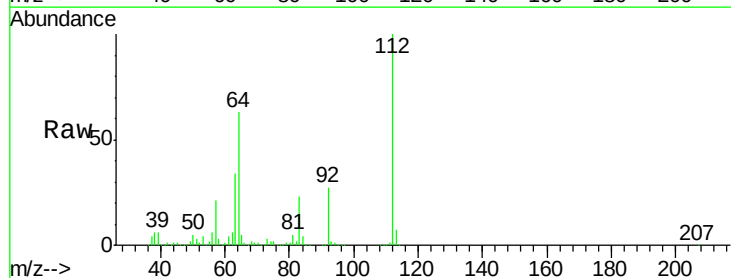
Tgt Ion:112 Resp: 1452528

Ion Ratio Lower Upper

112 100

64 63.3 48.9 73.3

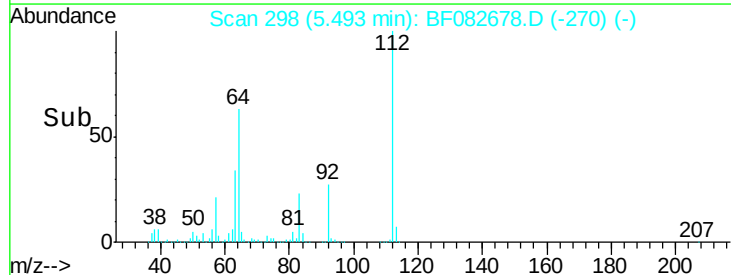
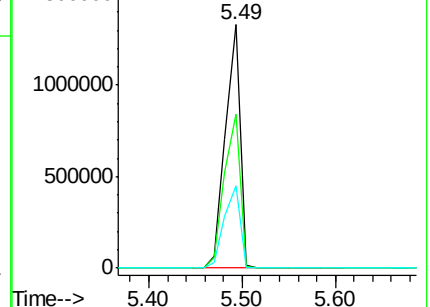
63 33.9 28.1 42.1

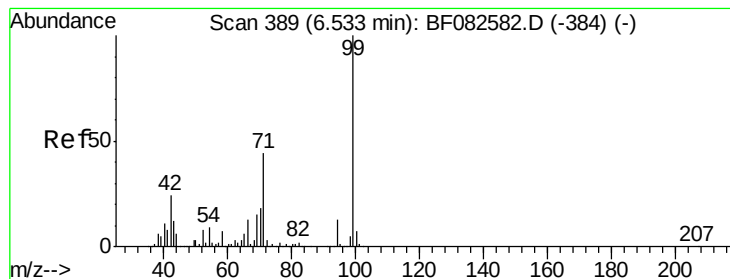


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.71 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF082678.D

Acq: 4 Nov 2015 2:12

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-1

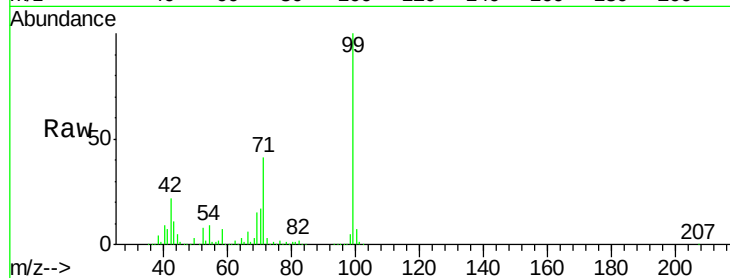
Tgt Ion: 99 Resp: 1670058

Ion Ratio Lower Upper

99 100

42 22.0 19.2 28.8

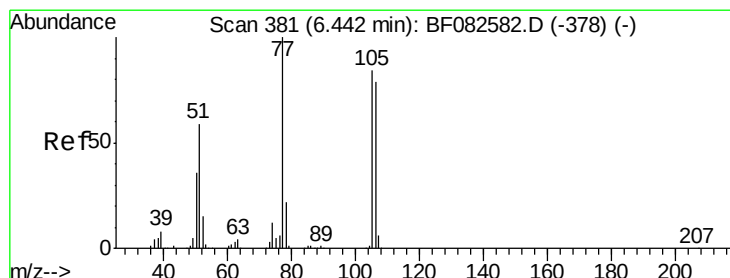
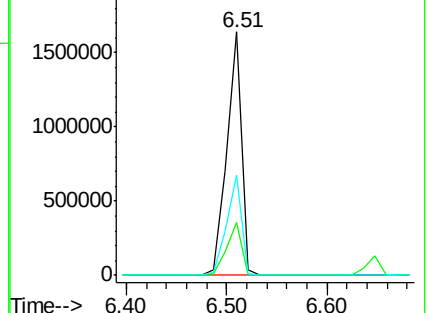
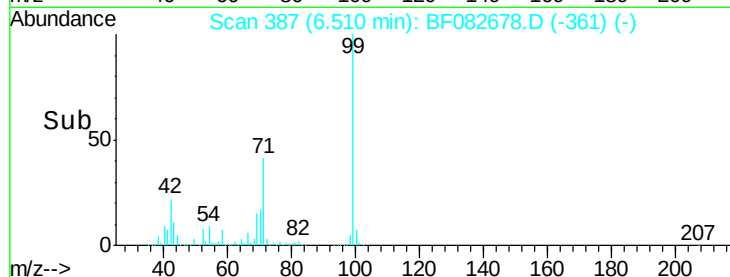
71 41.4 35.0 52.4



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: 3.97 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF082678.D

Acq: 4 Nov 2015 2:12

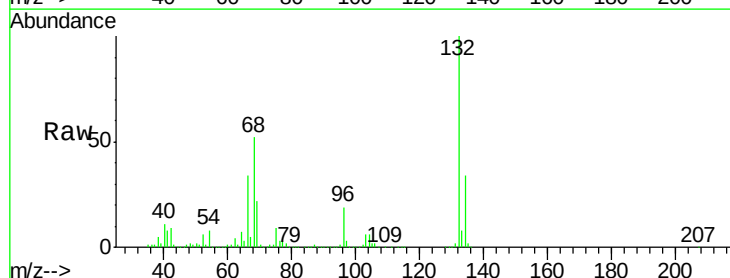
Tgt Ion: 77 Resp: 42442

Ion Ratio Lower Upper

77 100

105 75.7 63.5 103.5

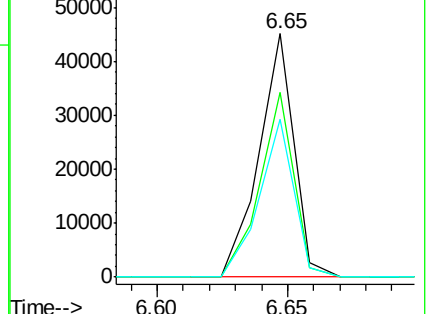
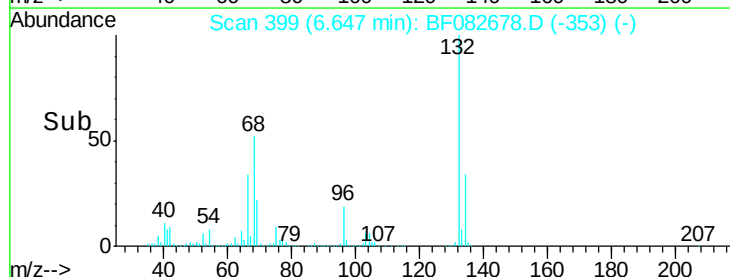
106 65.1 59.3 99.3

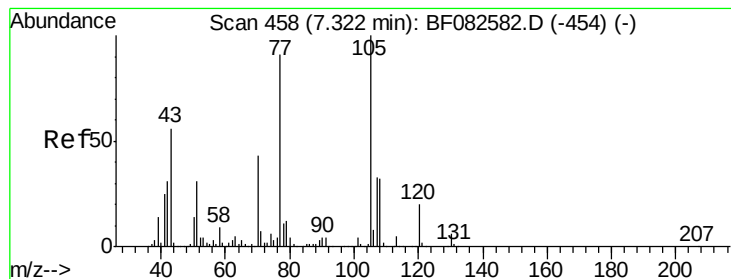


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 14.02 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF082678.D

Acq: 4 Nov 2015 2:12

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-1

Tgt Ion: 70 Resp: 166297

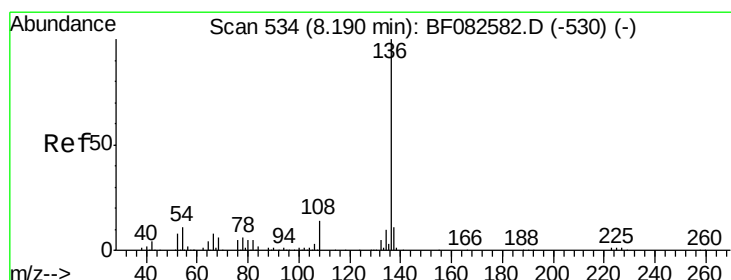
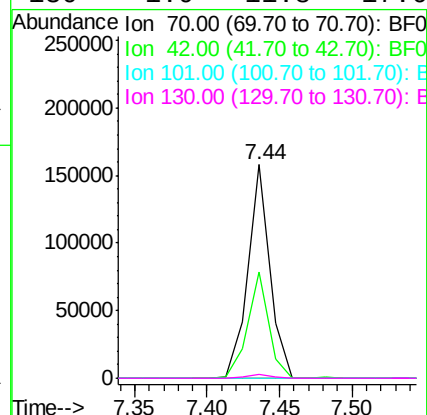
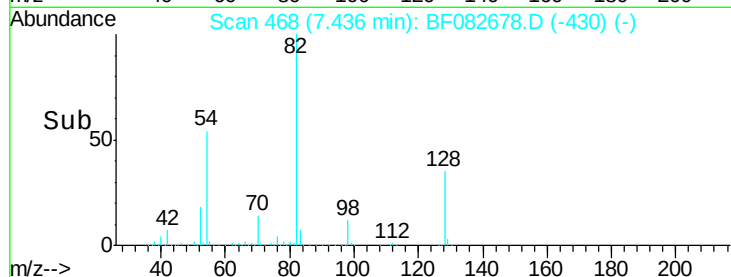
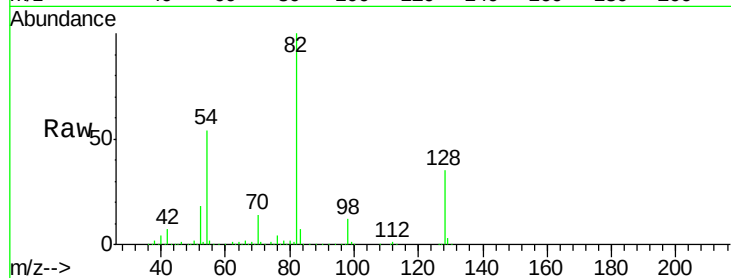
Ion Ratio Lower Upper

70 100

42 49.8 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: BF082678.D

Acq: 4 Nov 2015 2:12

Tgt Ion: 136 Resp: 677242

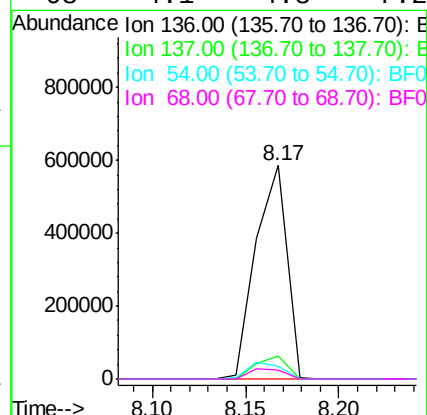
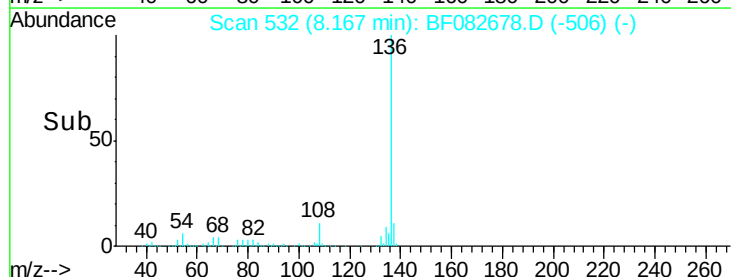
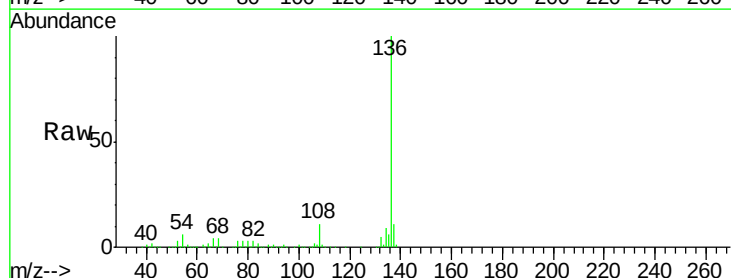
Ion Ratio Lower Upper

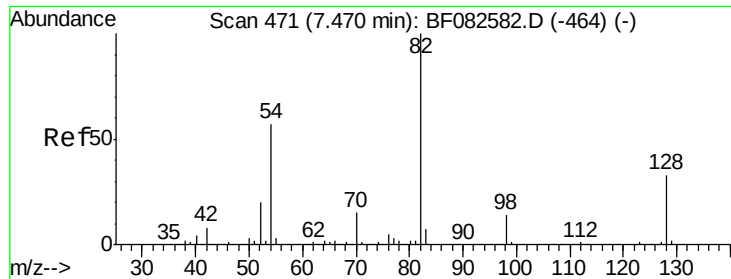
136 100

137 10.5 9.1 13.7

54 5.9 9.1 13.7#

68 4.1 4.8 7.2#

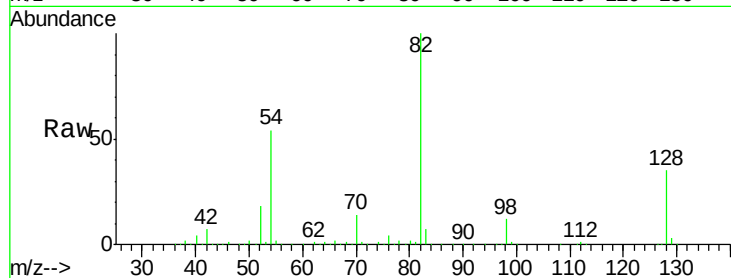




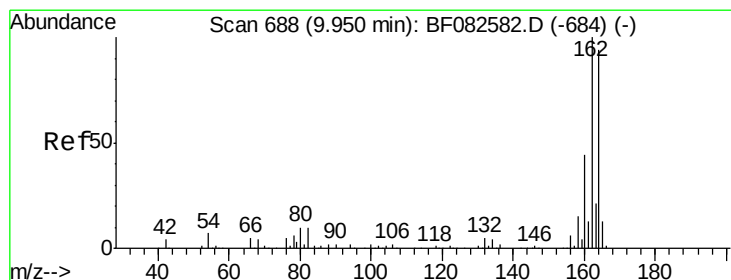
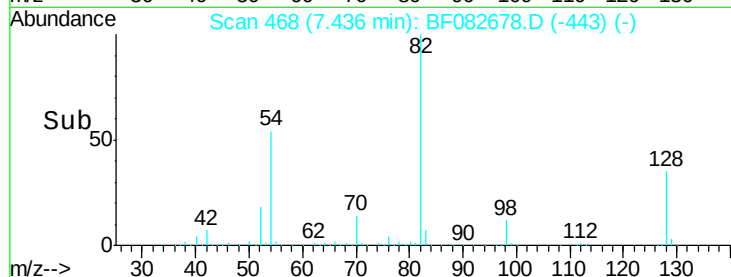
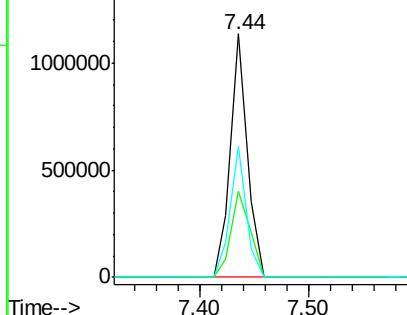
#23
 Nitrobenzene-d5
 Concen: 74.14 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF082678.D
 Acq: 4 Nov 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-102815-1

Tgt Ion: 82 Resp: 1229576
 Ion Ratio Lower Upper
 82 100
 128 35.4 26.8 40.2
 54 54.0 45.7 68.5

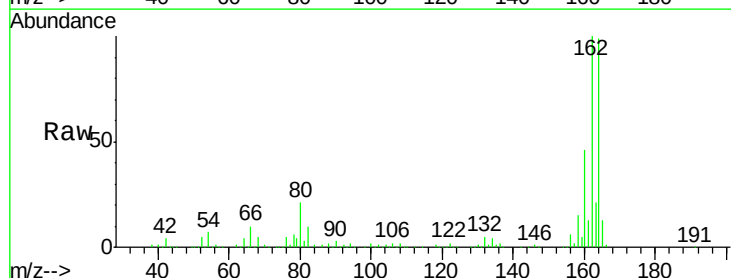


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

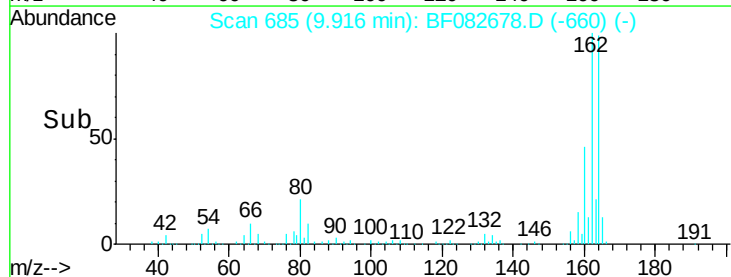
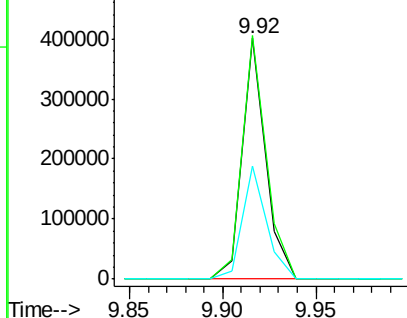


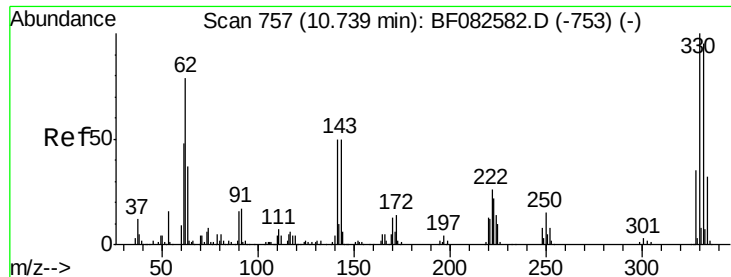
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BF082678.D
 Acq: 4 Nov 2015 2:12

Tgt Ion: 164 Resp: 351084
 Ion Ratio Lower Upper
 164 100
 162 101.2 84.9 127.3
 160 46.9 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

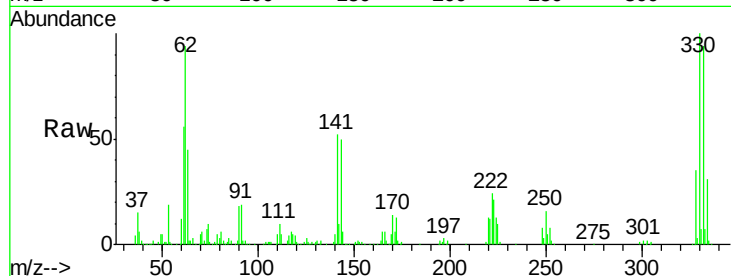




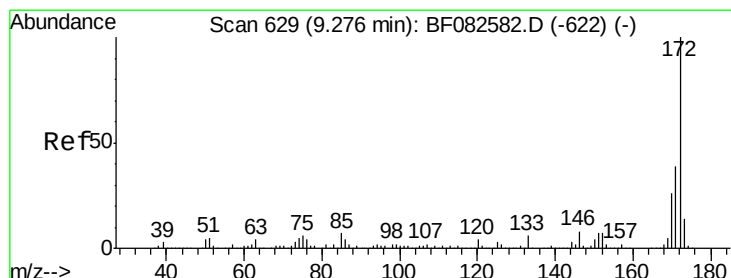
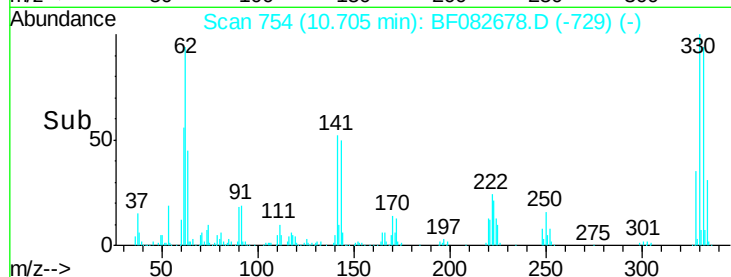
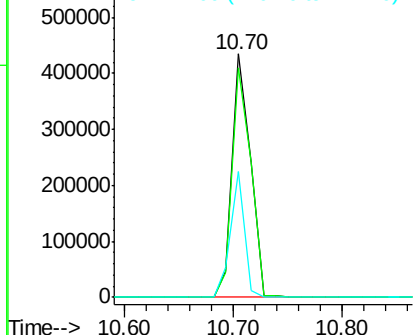
#41
 2,4,6-Tribromophenol
 Concen: 130.51 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF082678.D
 Acq: 4 Nov 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-102815-1

Tgt Ion:330 Resp: 501457
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 40.4 41.2 61.8#

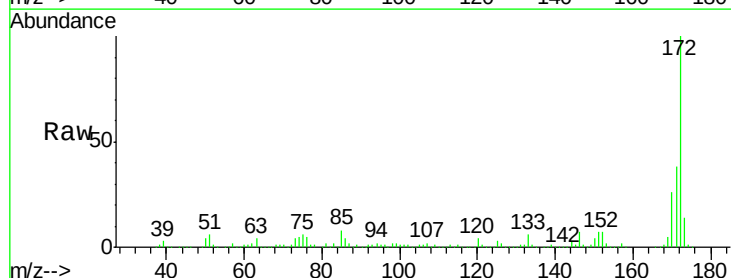


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

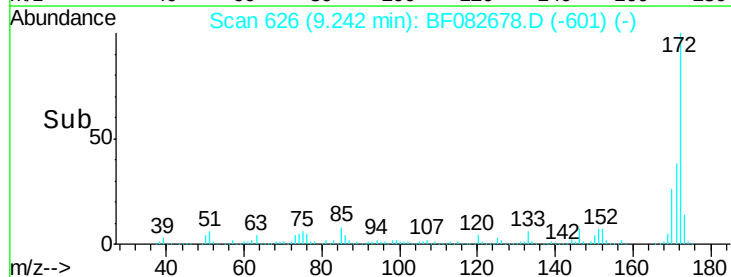
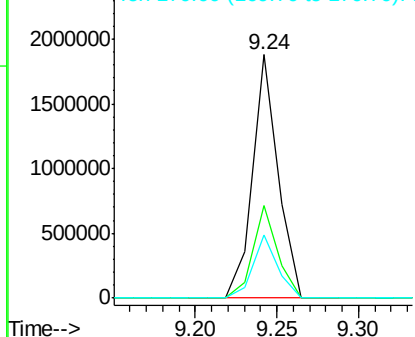


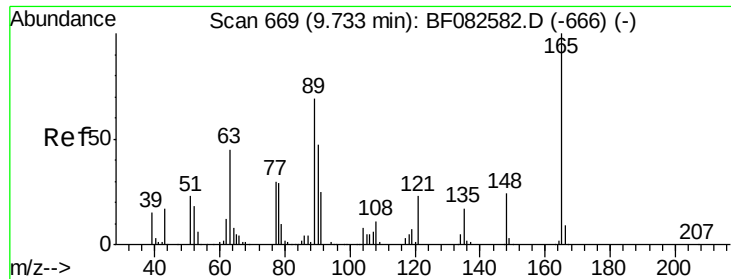
#44
 2-Fluorobiphenyl
 Concen: 82.37 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF082678.D
 Acq: 4 Nov 2015 2:12

Tgt Ion:172 Resp: 2036750
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 25.8 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

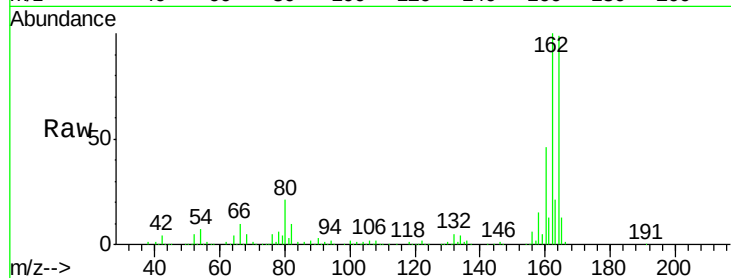




#50
2,6-Dinitrotoluene
Concen: 7.52 ng
RT: 9.92 min Scan# 685
Delta R.T. 0.21 min
Lab File: BF082678.D
Acq: 4 Nov 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-102815-1

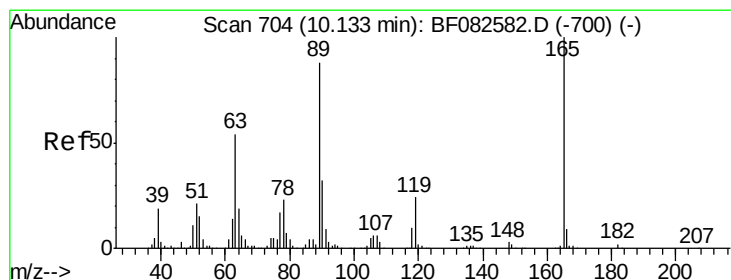
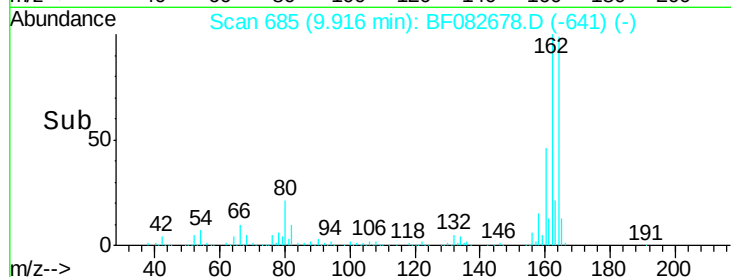
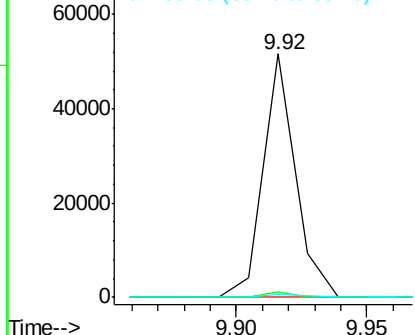
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	55.5	83.3#
89	1.3	55.0	82.6#



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



#56
2,4-Dinitrotoluene
Concen: 5.56 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.19 min
Lab File: BF082678.D
Acq: 4 Nov 2015 2:12

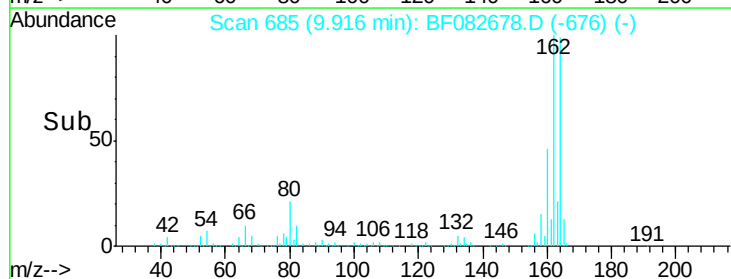
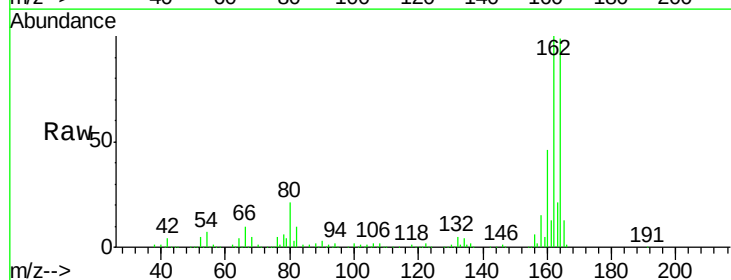
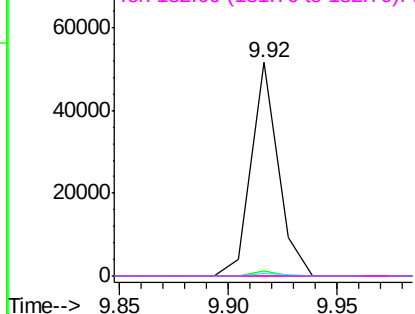
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	43.4	65.0#
89	1.3	70.6	106.0#
182	0.0	1.5	2.3#

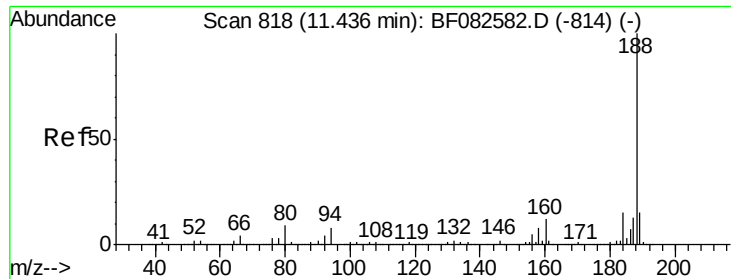
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF082678.D

Acq: 4 Nov 2015 2:12

Instrument :

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IDW-SOIL-102815-1

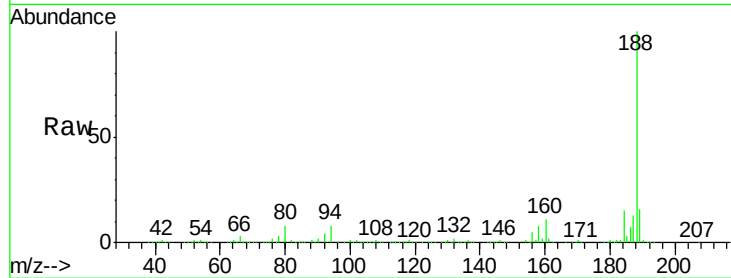
Tgt Ion:188 Resp: 694749

Ion Ratio Lower Upper

188 100

94 8.1 6.1 9.1

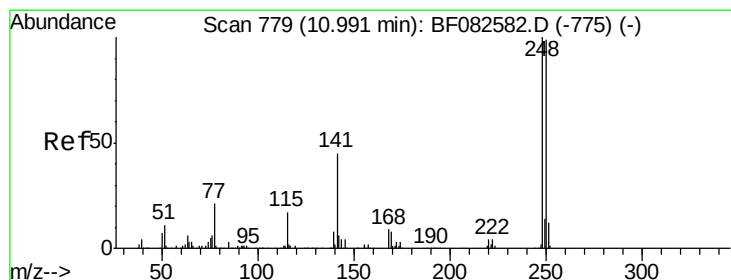
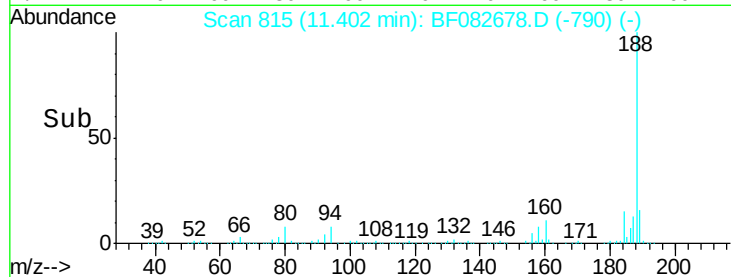
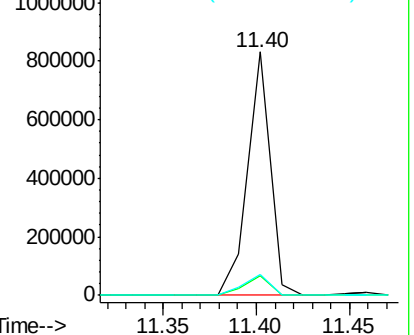
80 8.3 7.0 10.6



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: 4.27 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF082678.D

Acq: 4 Nov 2015 2:12

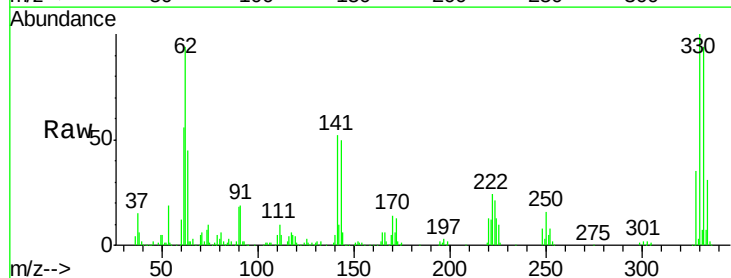
Tgt Ion:248 Resp: 33649

Ion Ratio Lower Upper

248 100

250 192.1 79.4 119.2#

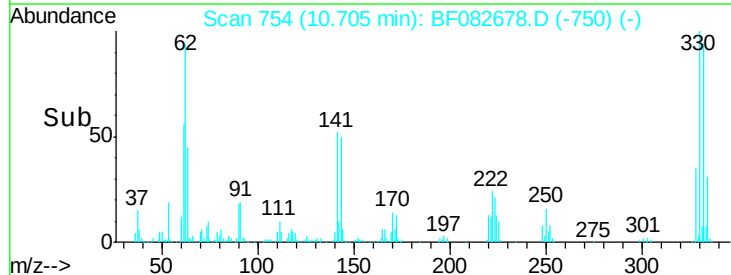
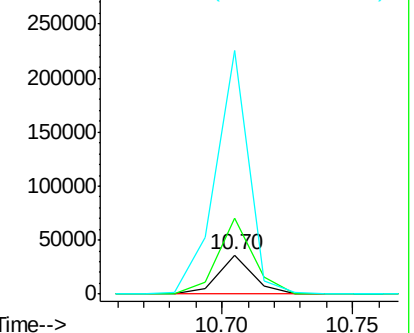
141 620.2 36.3 54.5#

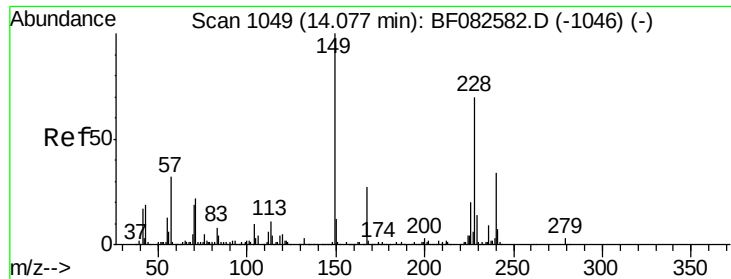


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF082678.D

Acq: 4 Nov 2015 2:12

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-1

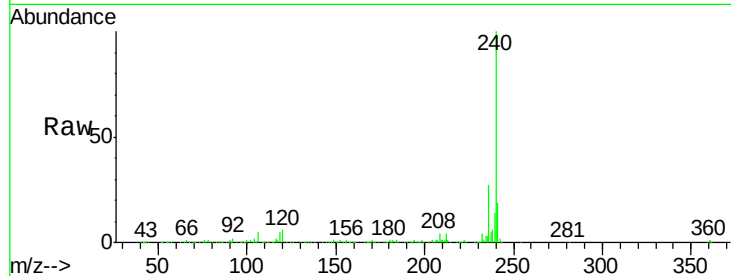
Tgt Ion:240 Resp: 524412

Ion Ratio Lower Upper

240 100

120 6.1 10.9 16.3#

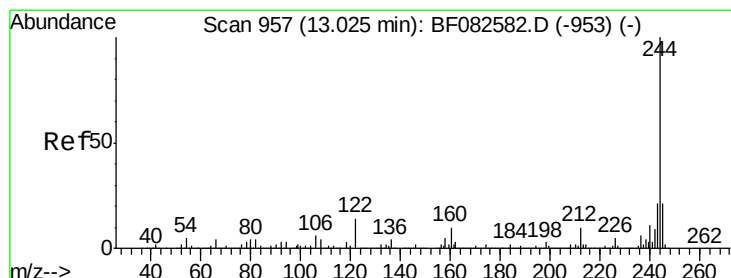
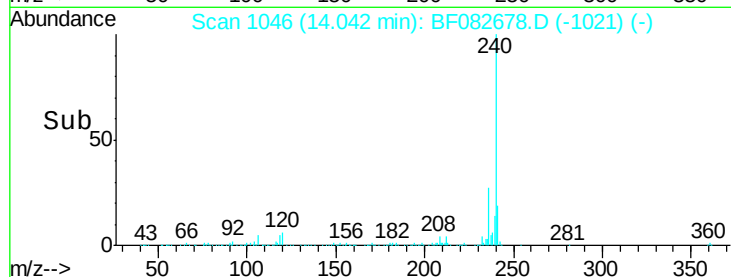
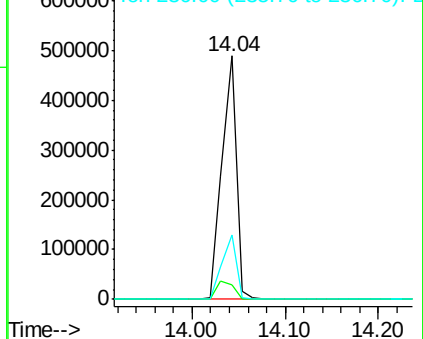
236 26.7 21.6 32.4



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: 94.94 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF082678.D

Acq: 4 Nov 2015 2:12

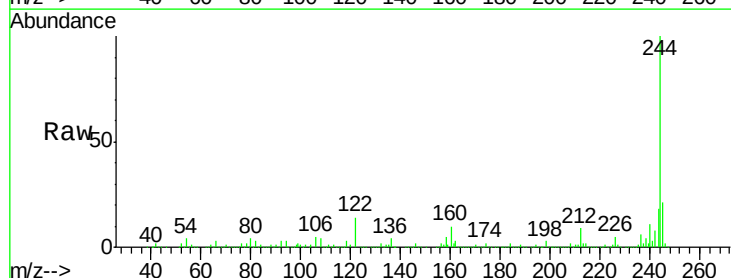
Tgt Ion:244 Resp: 2275125

Ion Ratio Lower Upper

244 100

212 9.1 7.6 11.4

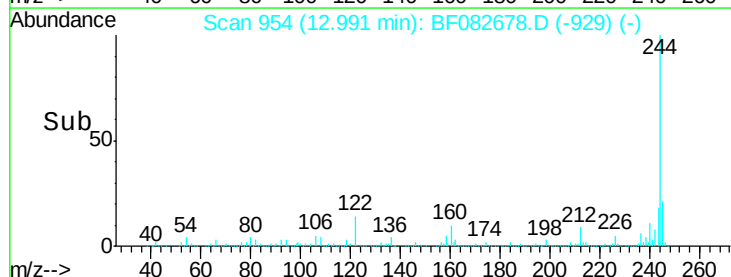
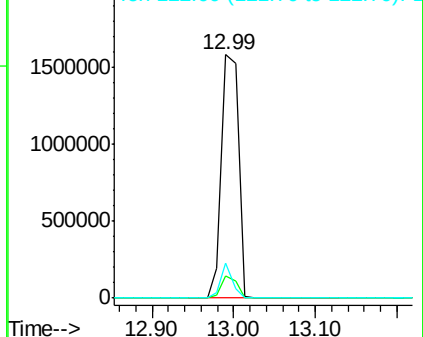
122 14.1 11.3 16.9

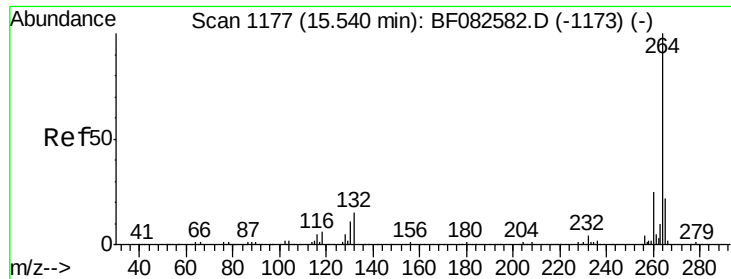


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

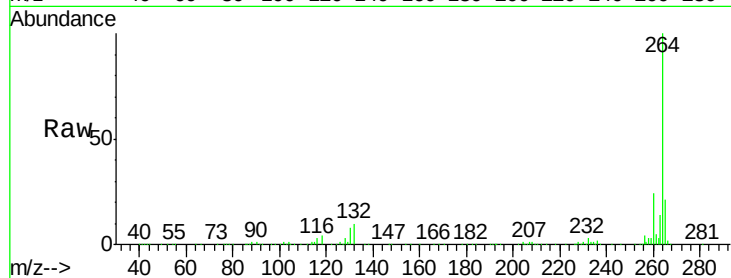




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF082678.D
Acq: 4 Nov 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-102815-1

Tgt Ion:	264	Resp:	437751
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.6
265	21.0	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

