

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 06:34:09 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

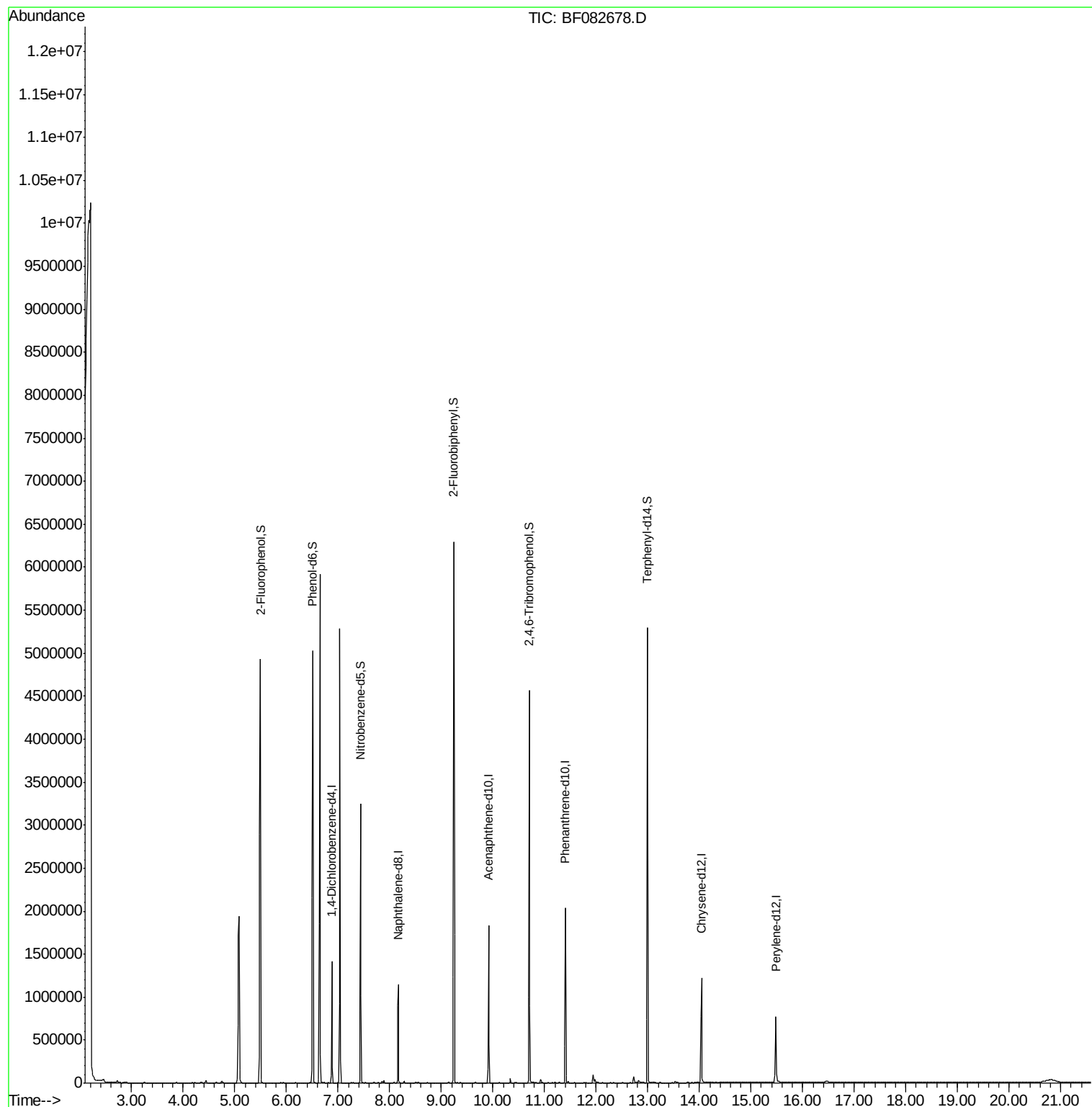
Target Compounds Qvalue

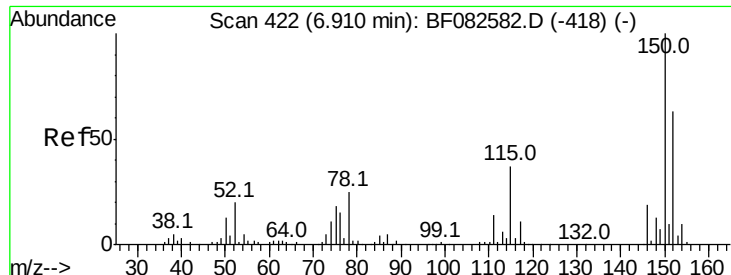
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

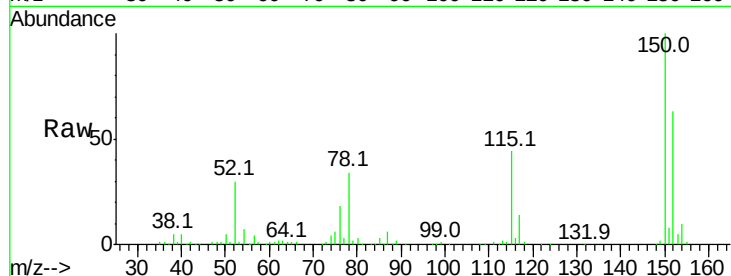
Tot Ion:152 Resp: 177438

Ion Ratio Lower Upper

152 100

150 158.2 127.0 190.4

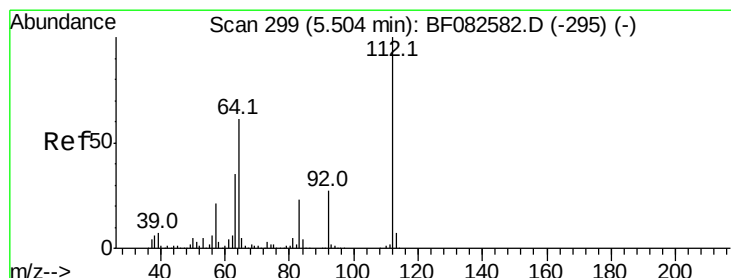
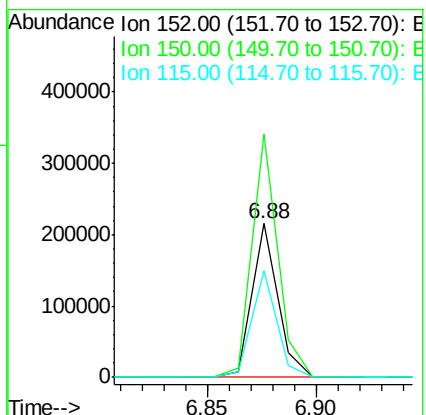
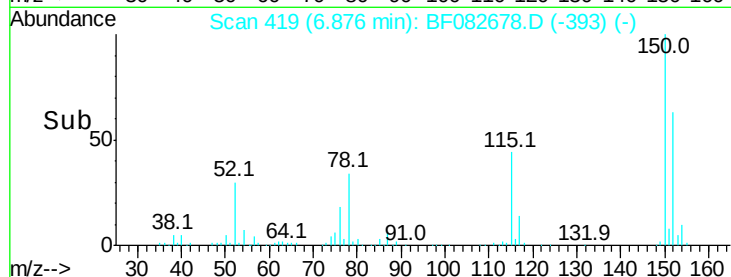
115 69.6 47.0 70.6



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

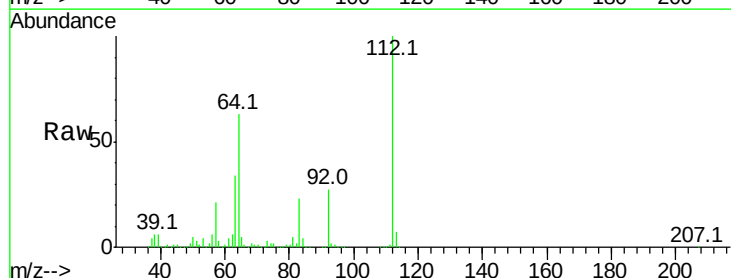
Tgt Ion:112 Resp: 1452528

Ion Ratio Lower Upper

112 100

64 63.3 48.9 73.3

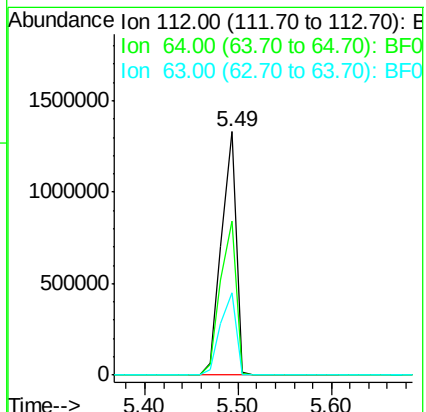
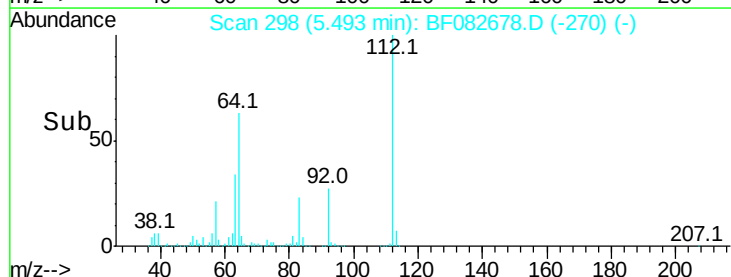
63 33.9 28.1 42.1

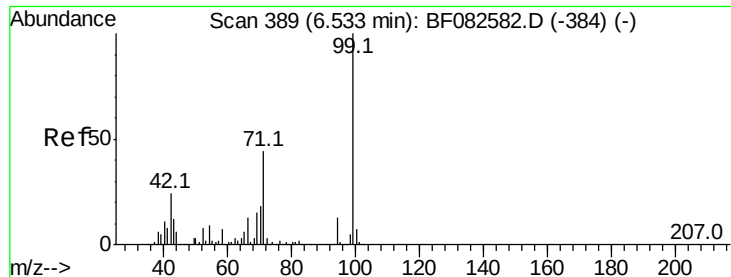


Abundance Ion 112.00 (111.70 to 112.70): E

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

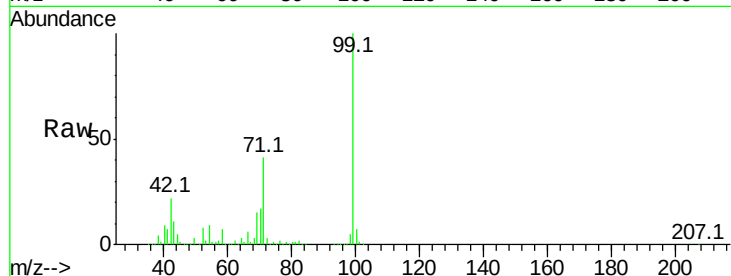
Tot Ion: 99 Resp: 1670058

Ion Ratio Lower Upper

99 100

42 22.0 19.2 28.8

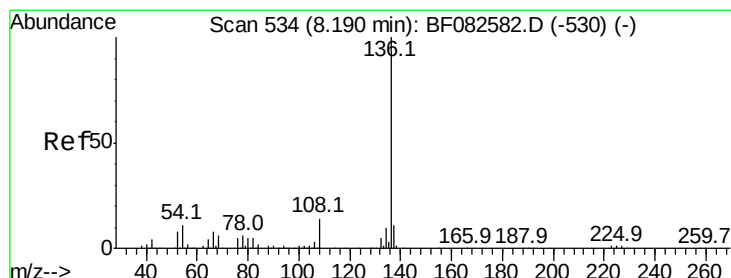
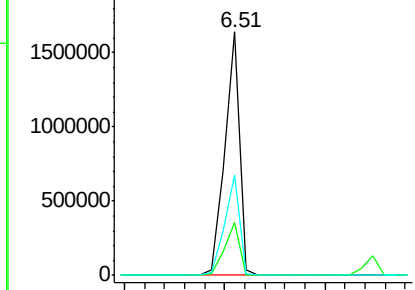
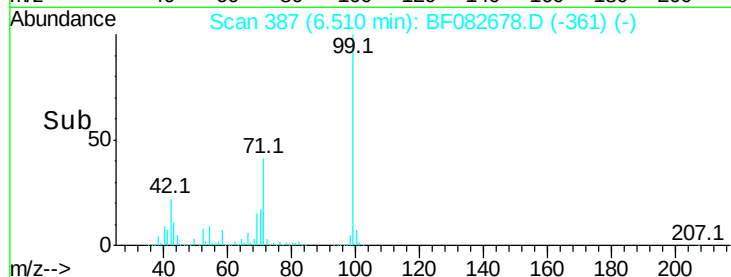
71 41.4 35.0 52.4



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



#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

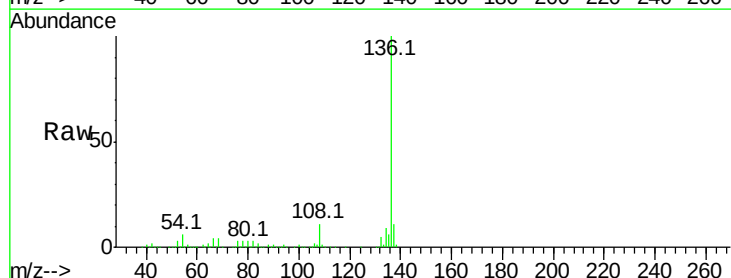
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.9 9.1 13.7#

68 4.1 4.8 7.2#

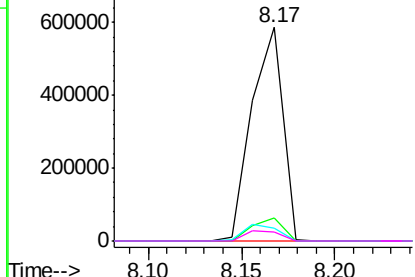
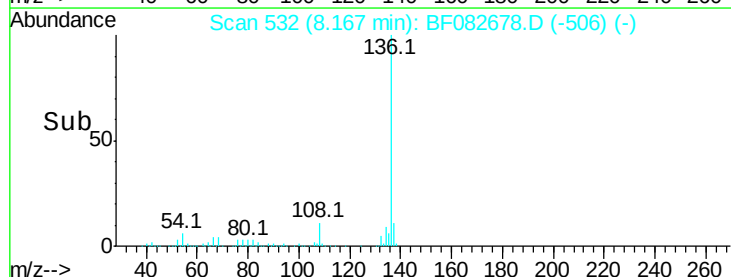


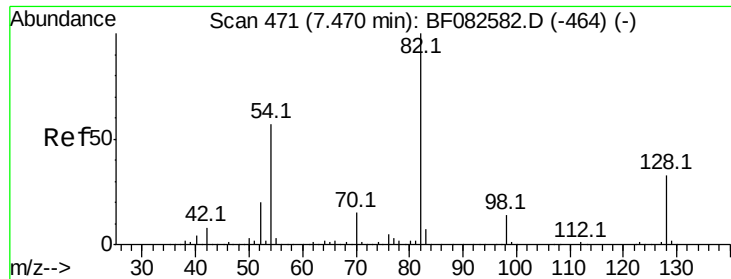
Abundance Ion 136.00 (135.70 to 136.70): E

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

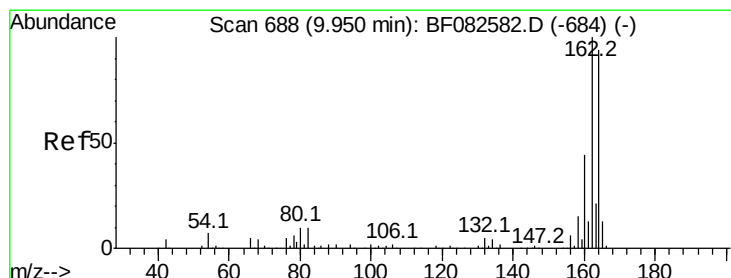
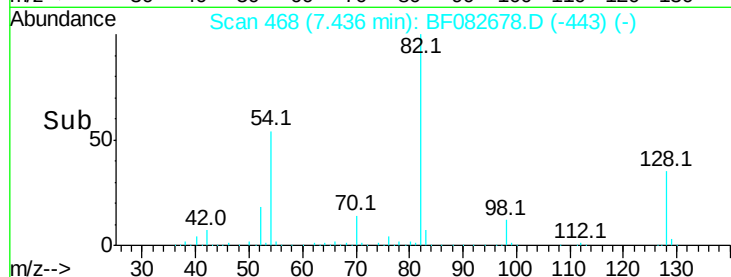
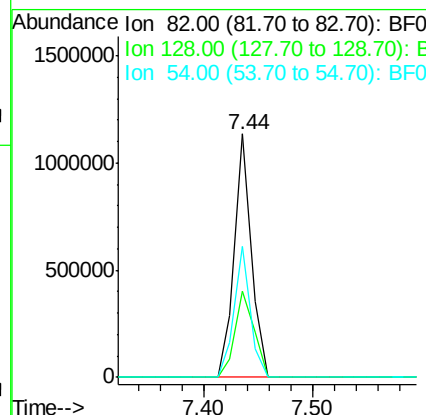
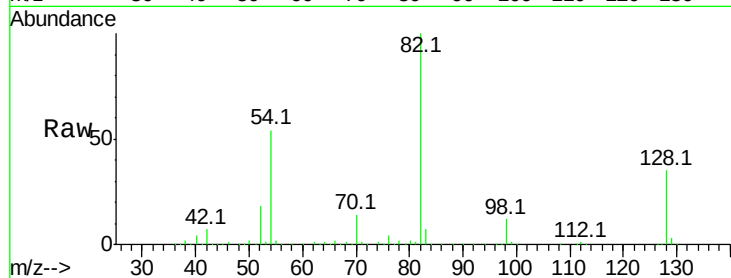




#23
Nitrobenzene-d5
Concen: 74.14 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF082678.D
Acq: 4 Nov 2015 2:12

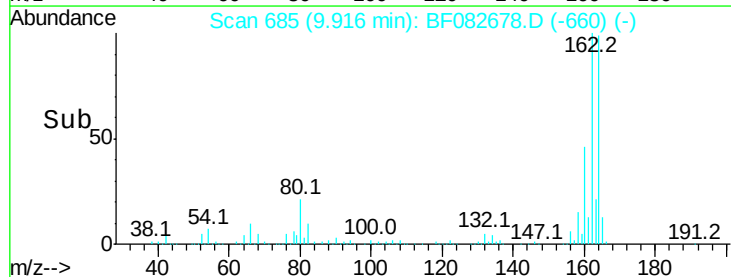
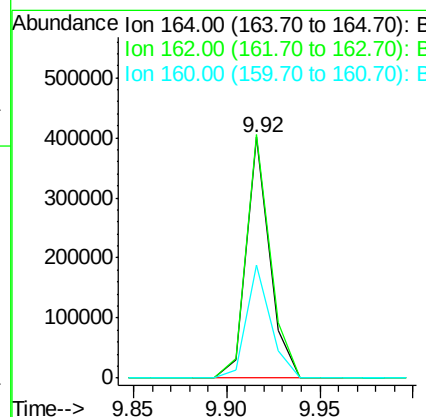
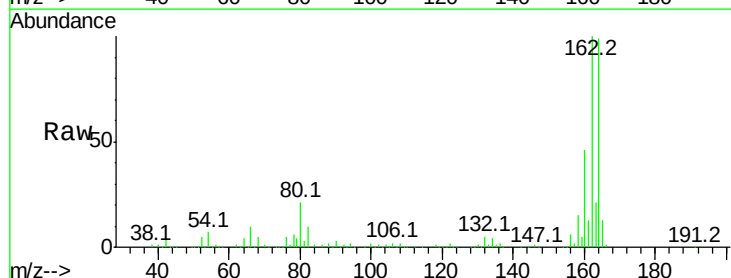
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-102815-1

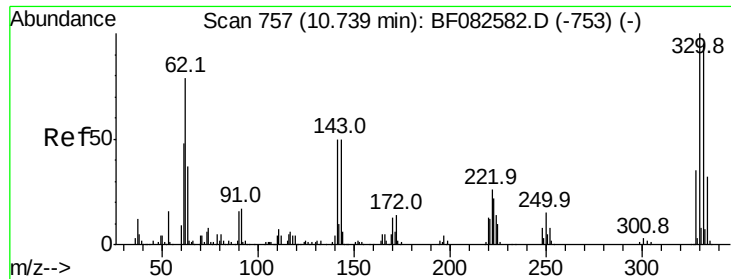
Tot Ion: 82 Resp: 1229576
Ion Ratio Lower Upper
82 100
128 35.4 26.8 40.2
54 54.0 45.7 68.5



#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

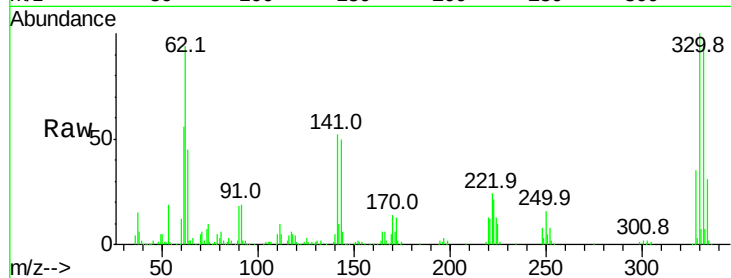




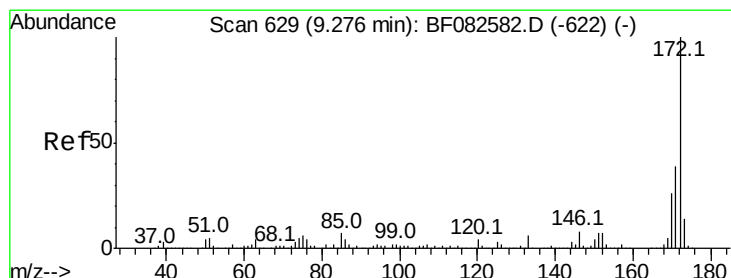
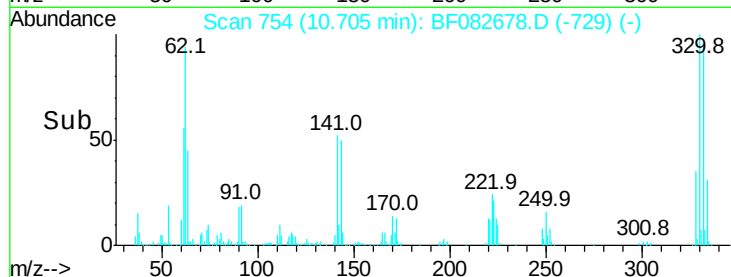
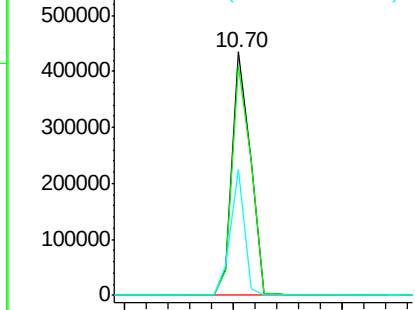
#41
 2,4,6-Tribromophenol
 Concen: 130.51 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF082678.D
 Acq: 4 Nov 2015 2:12

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	40.4	41.2	61.8#

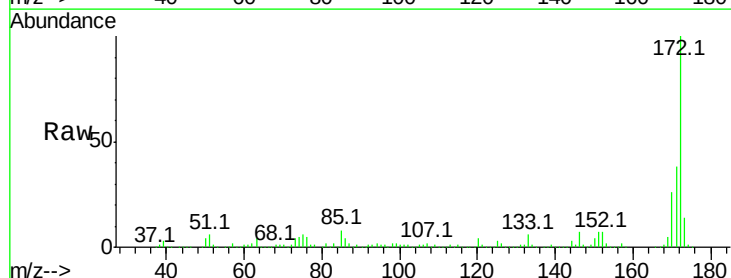


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

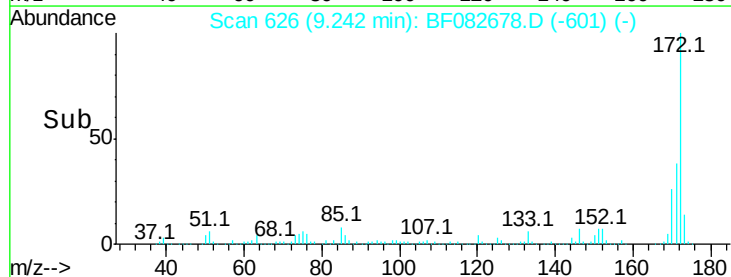
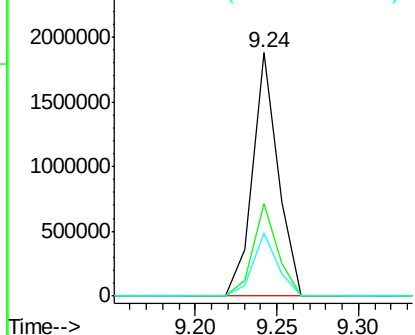


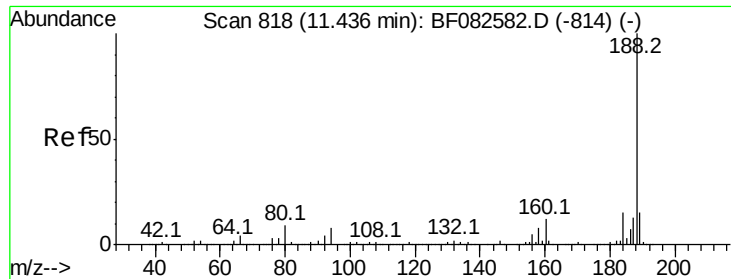
#44
 2-Fluorobiphenyl
 Concen: 82.37 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF082678.D
 Acq: 4 Nov 2015 2:12

Tgt Ion	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

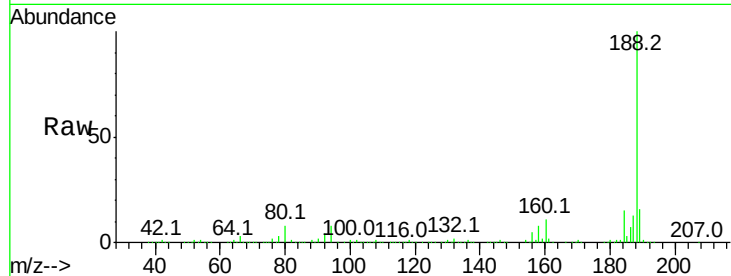




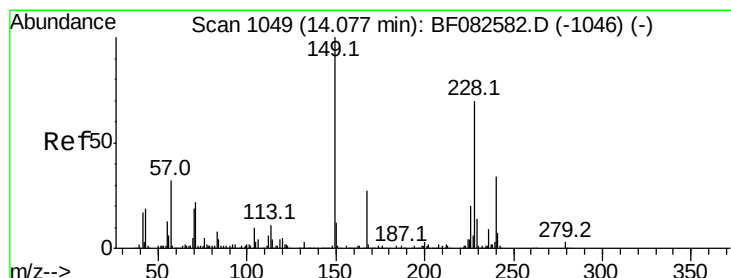
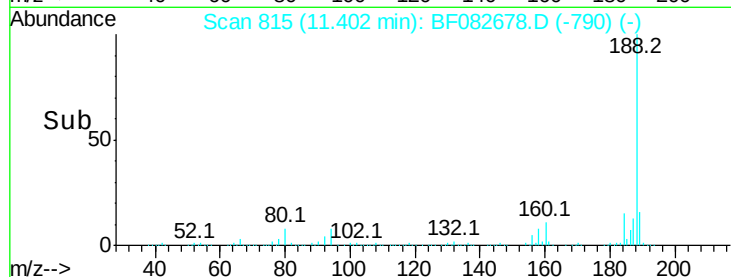
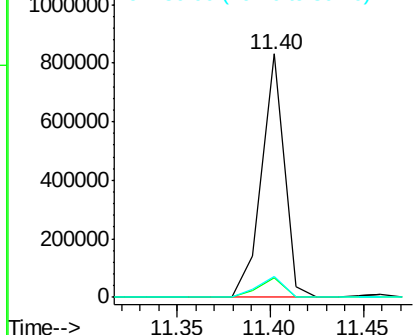
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF082678.D
Acq: 4 Nov 2015 2:12

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

Tot Ion:188 Resp: 694749
Ion Ratio Lower Upper
188 100
94 8.1 6.1 9.1
80 8.3 7.0 10.6

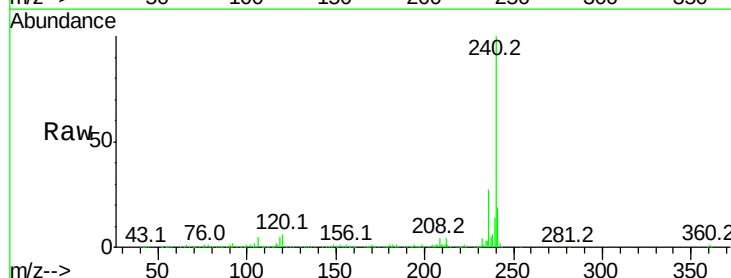


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

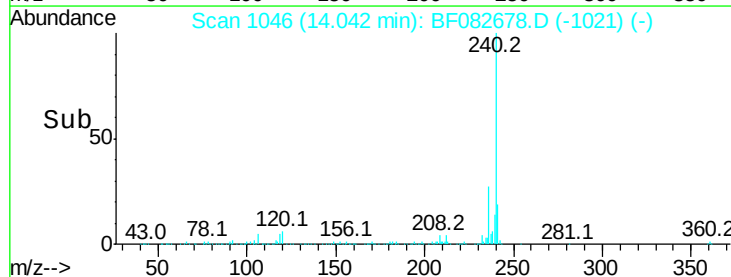
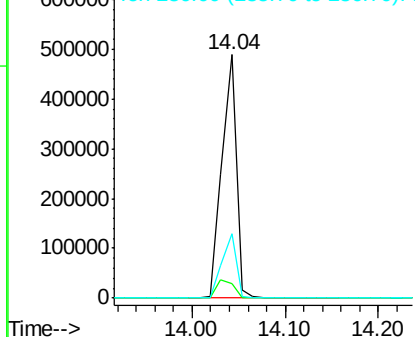


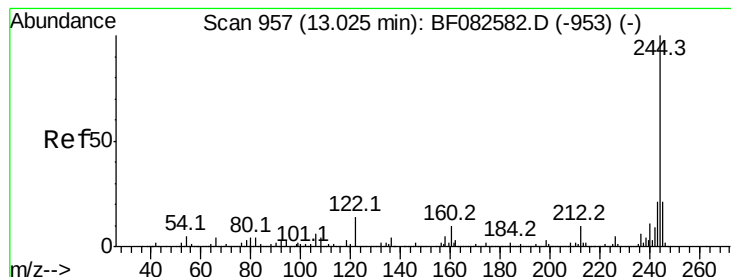
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF082678.D
Acq: 4 Nov 2015 2:12

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

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-102815-1

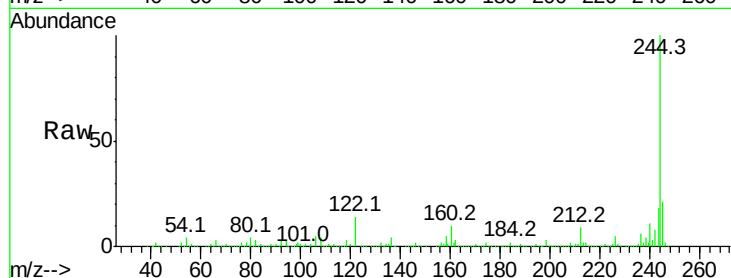
Tot Ion:244 Resp: 2275125

Ion Ratio Lower Upper

244 100

212 9.1 7.6 11.4

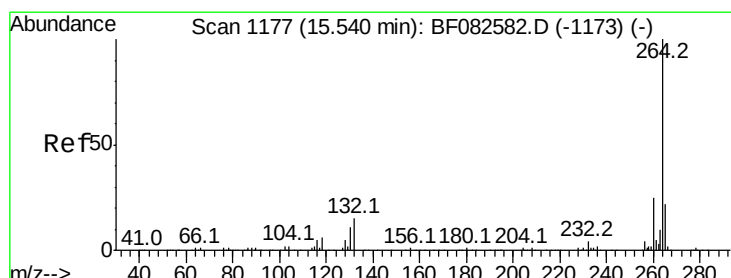
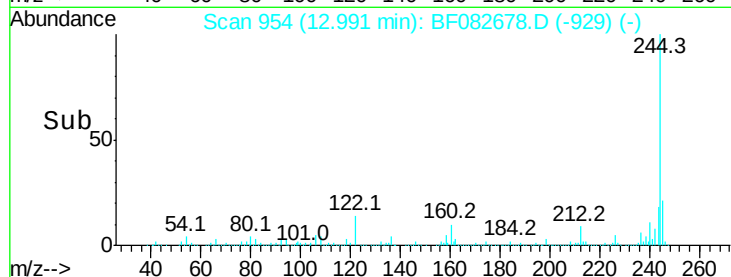
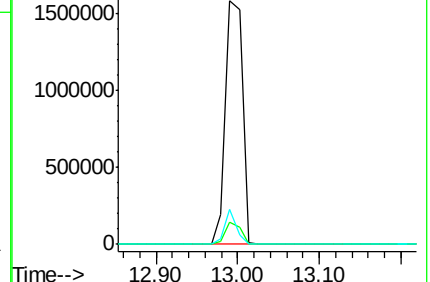
122 14.1 11.3 16.9



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

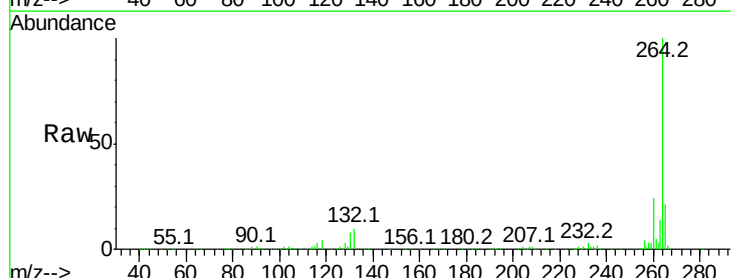
Tgt Ion:264 Resp: 437751

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

