

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
 Data File : BF086126.D
 Acq On : 7 Apr 2016 12:23
 Operator : UM/SJ
 Sample : H2155-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEN-IDW-040116-SOIL

Quant Time: Apr 08 02:13:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

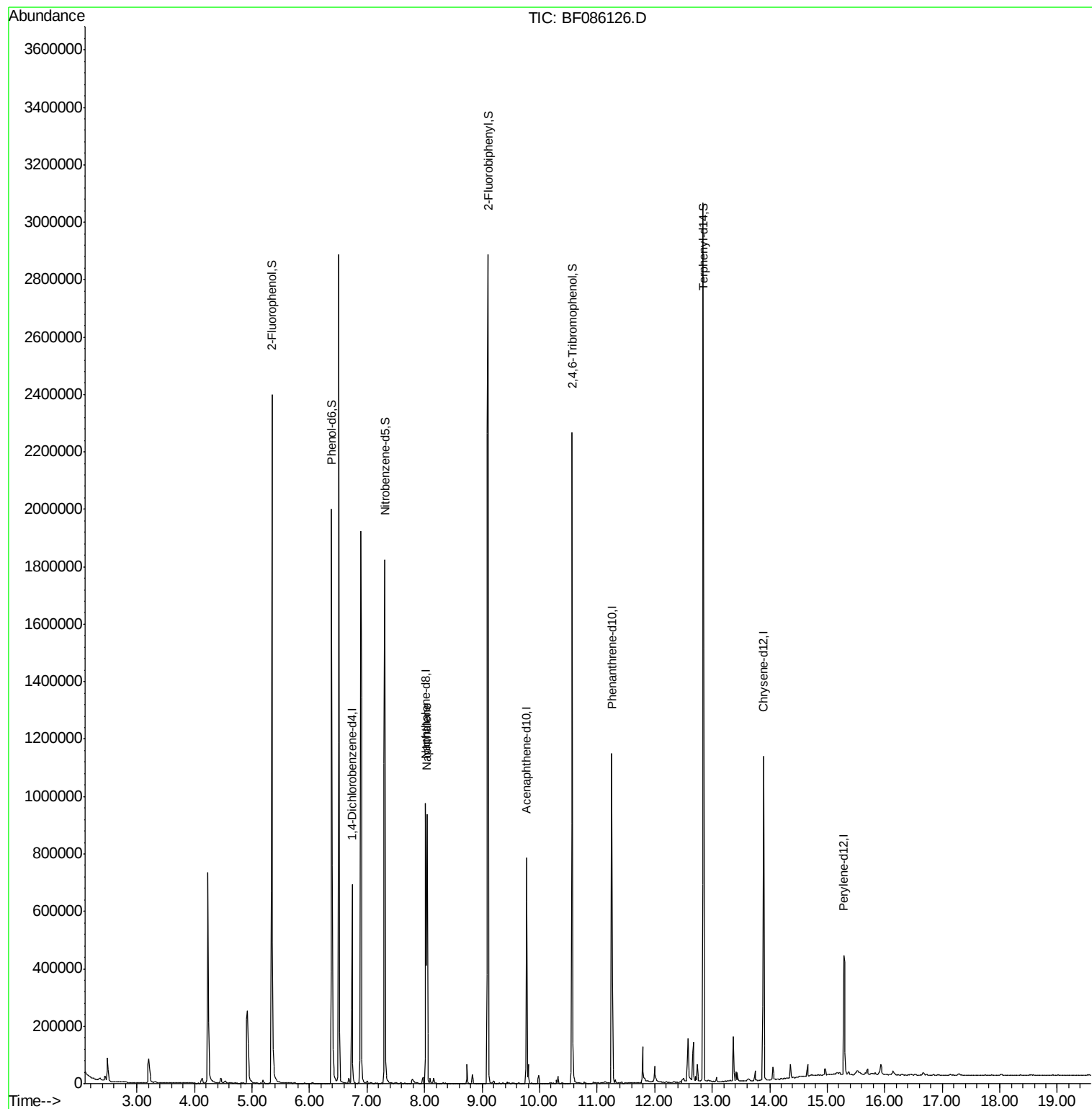
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	118338	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	468095	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	215057	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	425422	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	368479	20.00	ng	-0.03
86) Perylene-d12	15.29	264	174032	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	811703	117.24	ng	-0.02
7) Phenol-d6	6.38	99	915206	104.07	ng	-0.03
23) Nitrobenzene-d5	7.31	82	774637	97.59	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	307562	152.37	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	1310031	101.28	ng	-0.03
78) Terphenyl-d14	12.84	244	1237945	78.97	ng	-0.03
Target Compounds						
31) Naphthalene	8.04	128	429472	18.24	ng	Qvalue 99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

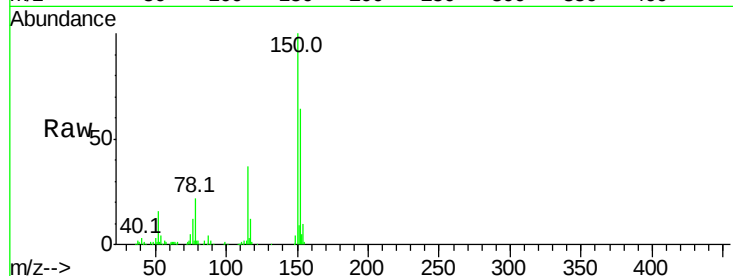
Tot Ion:152 Resp: 118338

Ion Ratio Lower Upper

152 100

150 156.6 124.2 186.2

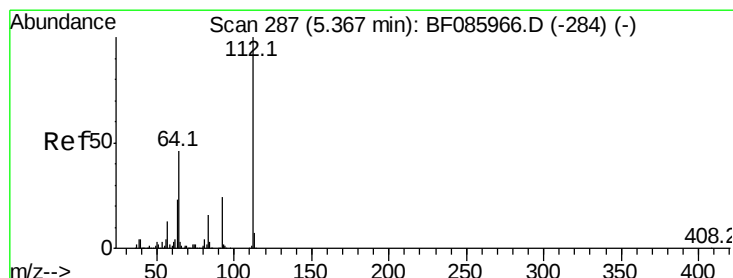
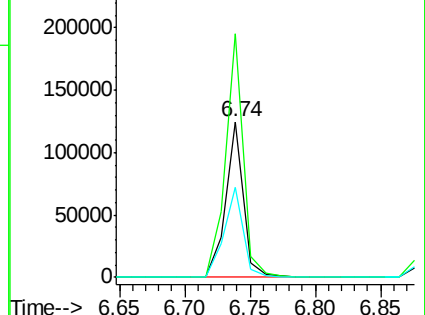
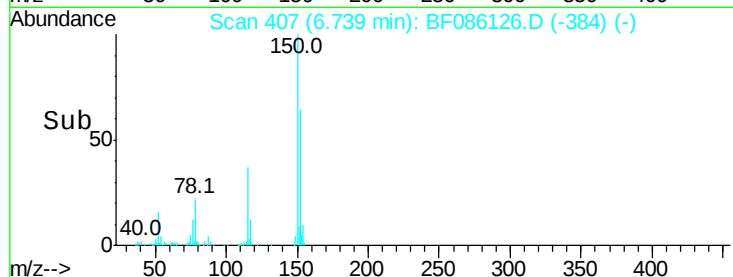
115 58.2 47.0 70.6



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: 117.24 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

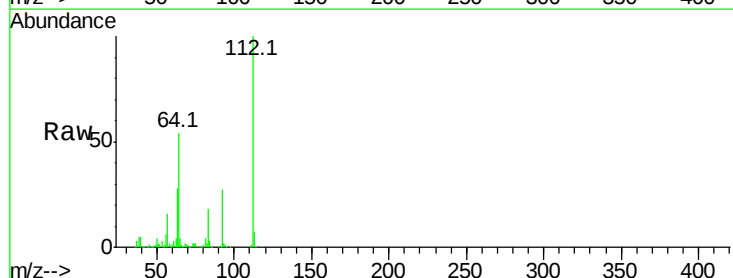
Tgt Ion:112 Resp: 811703

Ion Ratio Lower Upper

112 100

64 54.2 39.9 59.9

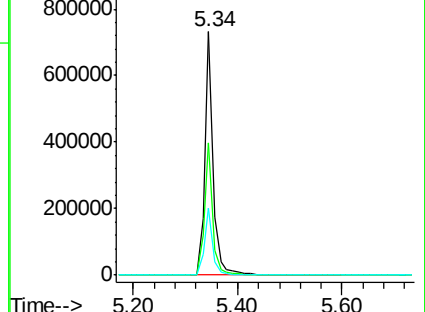
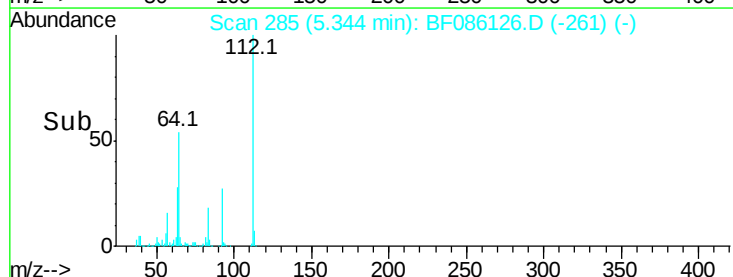
63 27.6 20.2 30.2



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: 104.07 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

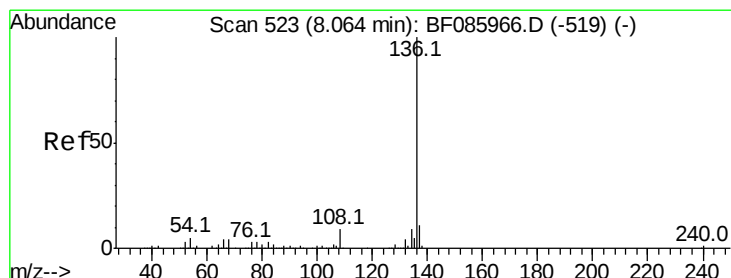
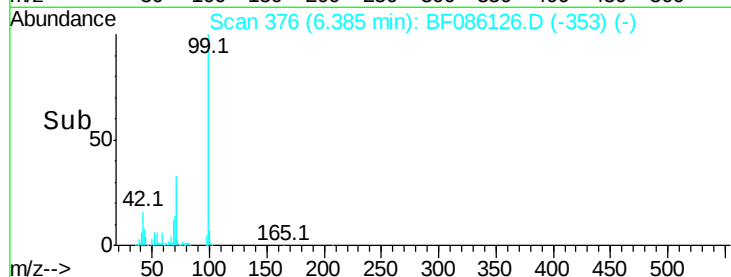
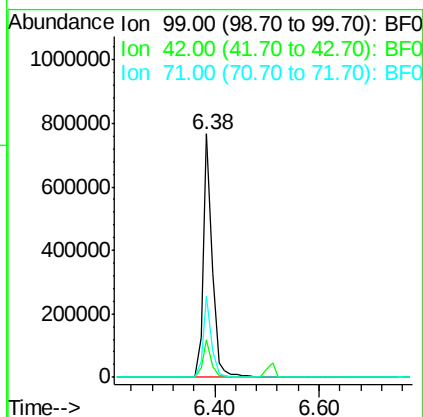
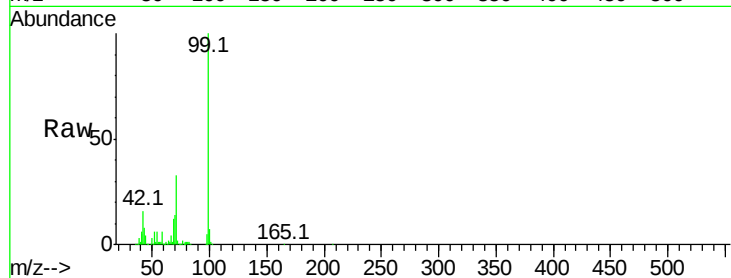
Tot Ion: 99 Resp: 915206

Ion Ratio Lower Upper

99 100

42 15.6 11.1 16.7

71 33.2 24.9 37.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Tgt Ion: 136 Resp: 468095

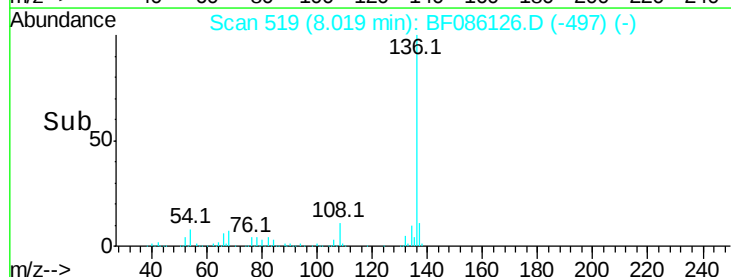
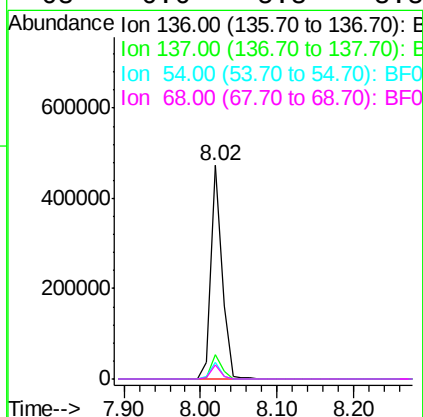
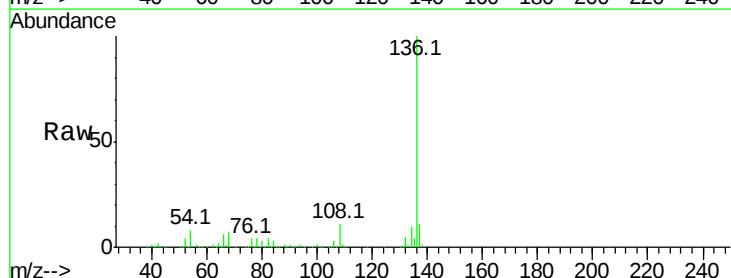
Ion Ratio Lower Upper

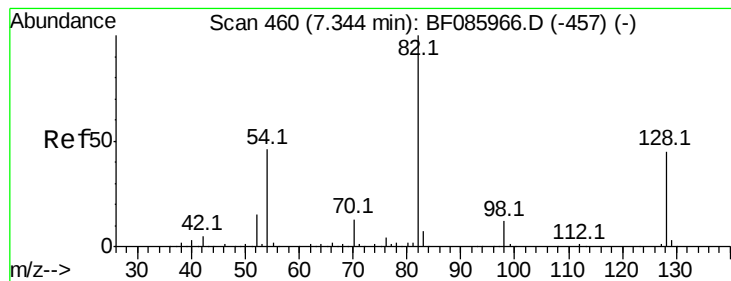
136 100

137 11.3 9.1 13.7

54 7.9 7.4 11.0

68 6.6 5.8 8.8





#23

Nitrobenzene-d5

Concen: 97.59 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

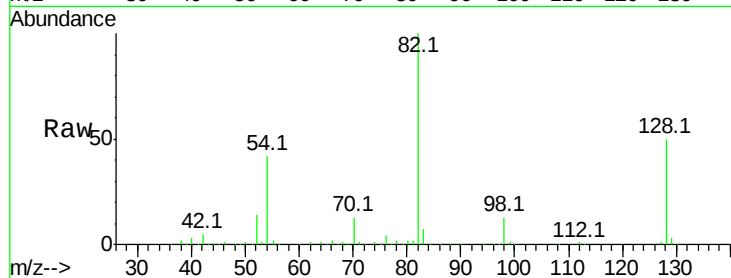
Tot Ion: 82 Resp: 774637

Ion Ratio Lower Upper

82 100

128 49.5 41.8 62.8

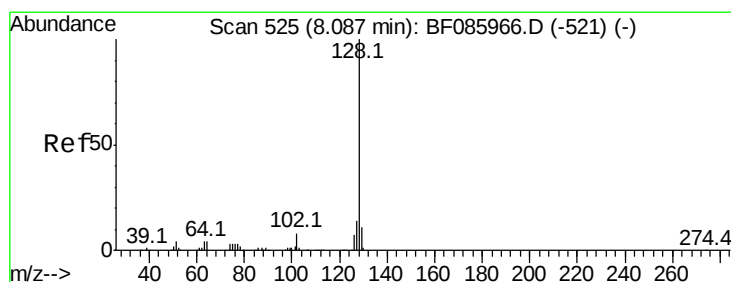
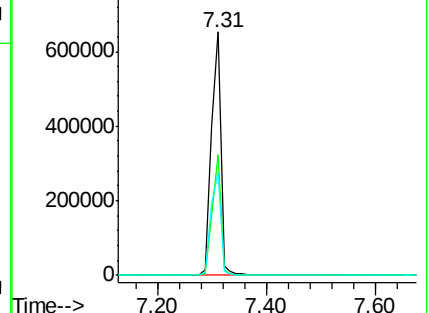
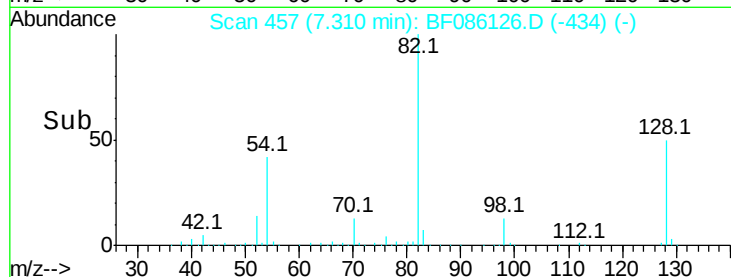
54 42.2 33.4 50.0



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



#31

Naphthalene

Concen: 18.24 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.05 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

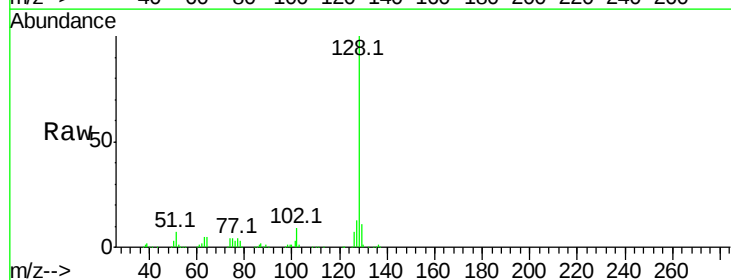
Tgt Ion:128 Resp: 429472

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

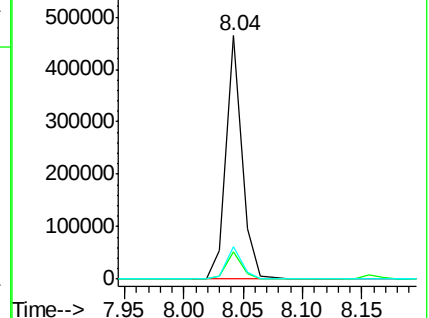
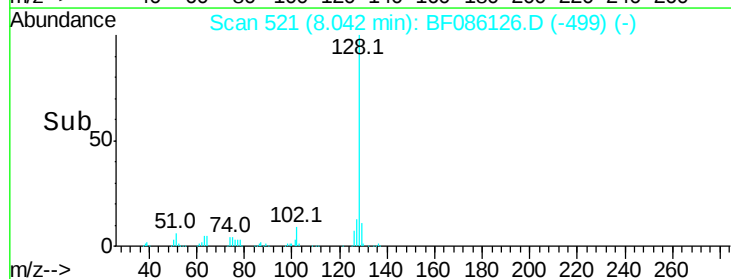
127 13.2 11.0 16.6

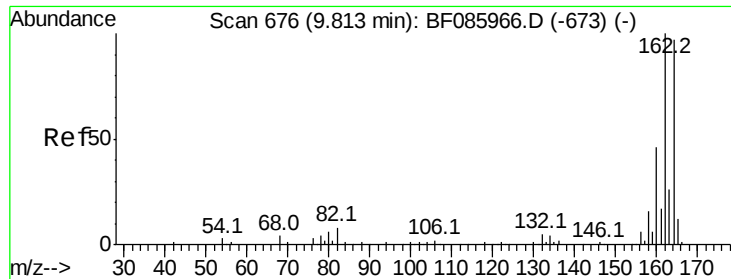


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

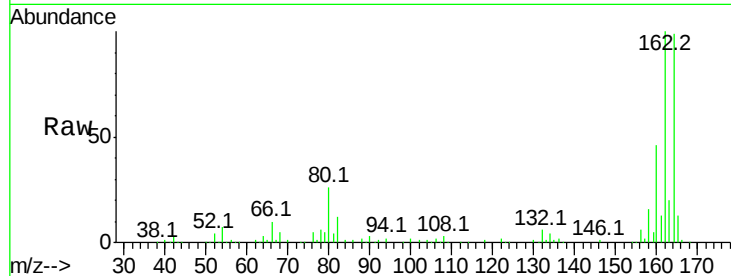
Tot Ion:164 Resp: 215057

Ion Ratio Lower Upper

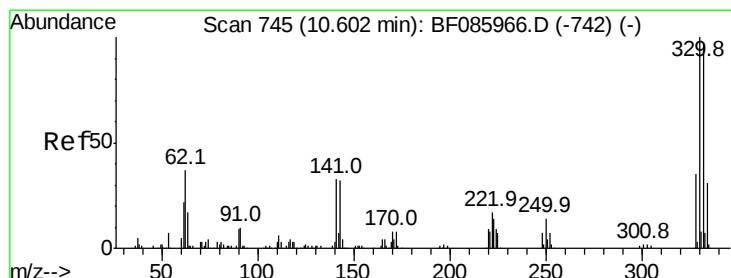
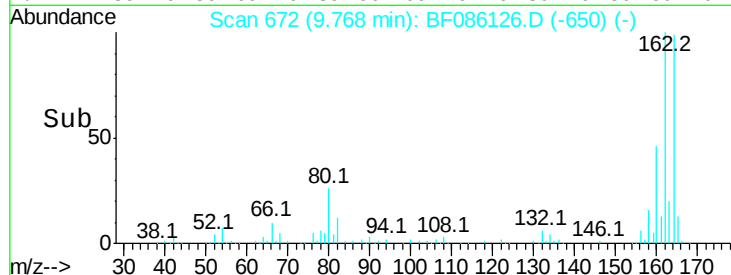
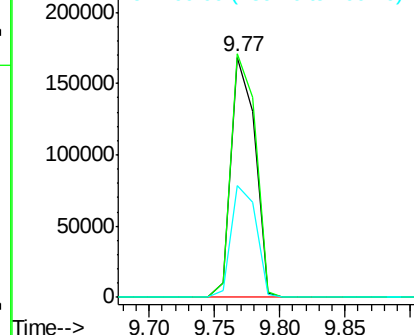
164 100

162 101.5 82.1 123.1

160 46.7 37.4 56.2



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: 152.37 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

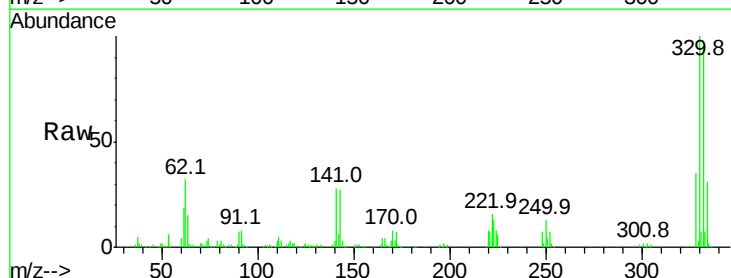
Tgt Ion:330 Resp: 307562

Ion Ratio Lower Upper

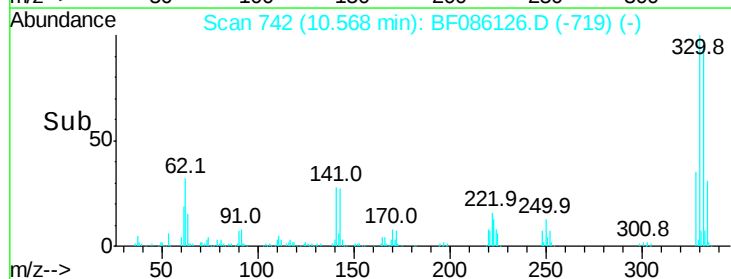
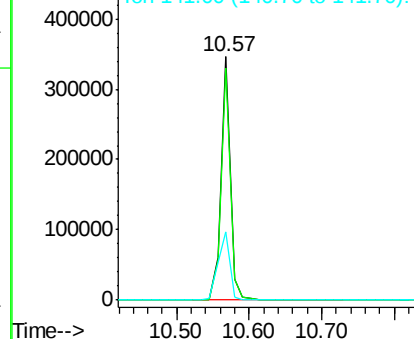
330 100

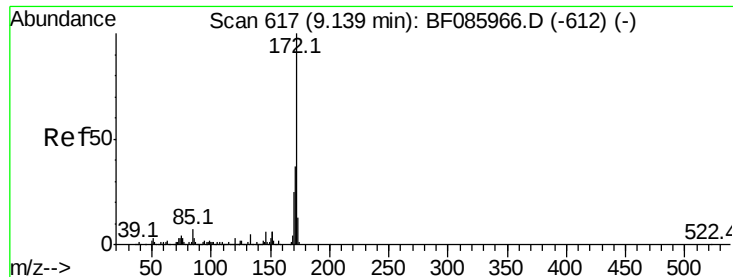
332 95.2 78.2 117.2

141 36.0 31.5 47.3



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: 101.28 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

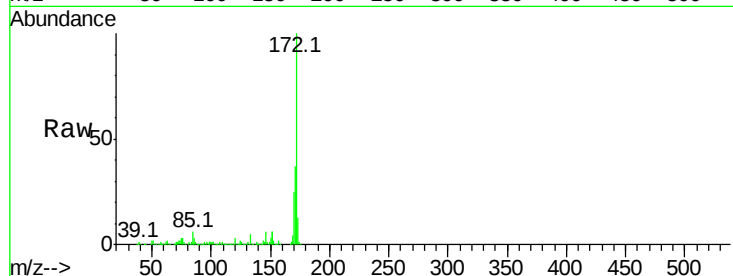
Tot Ion:172 Resp: 1310031

Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.2

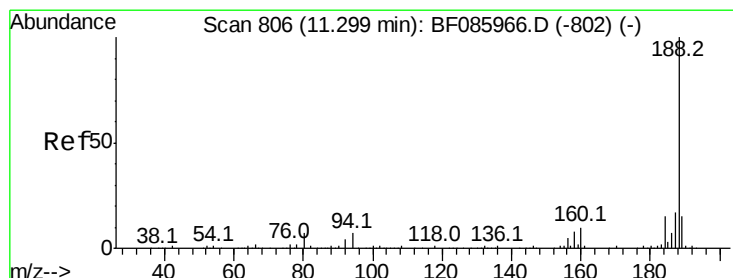
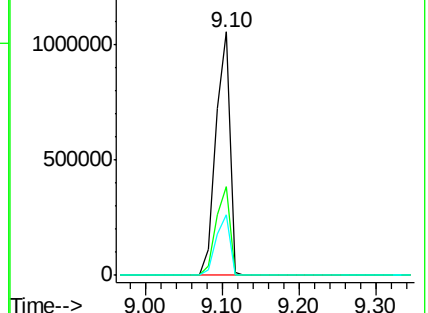
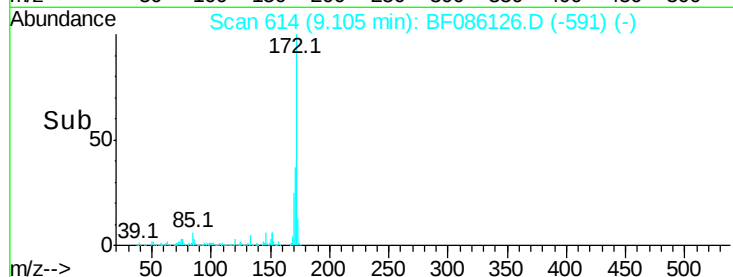
170 24.8 19.8 29.6



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: 11.25 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

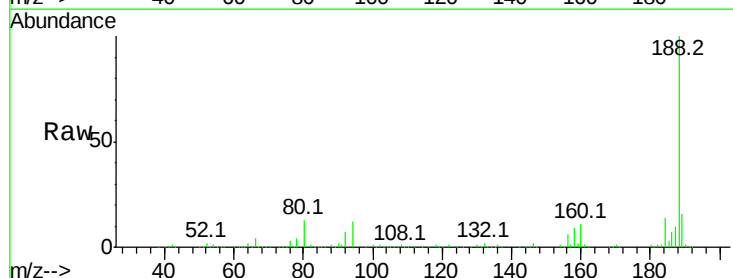
Tgt Ion:188 Resp: 425422

Ion Ratio Lower Upper

188 100

94 12.3 5.4 8.0#

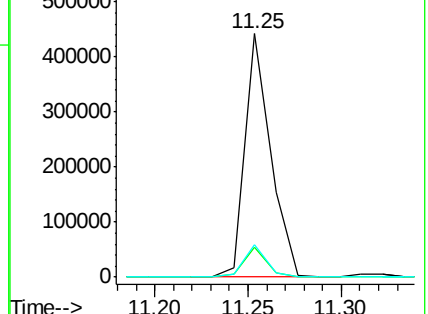
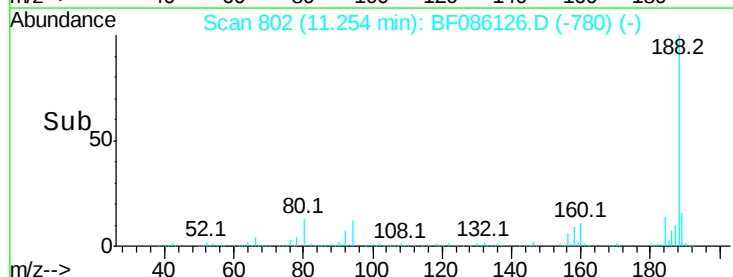
80 13.4 5.5 8.3#

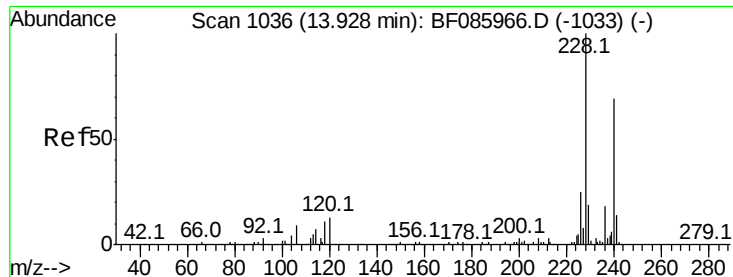


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

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ClientSampleId :

PEN-IDW-040116-SOIL

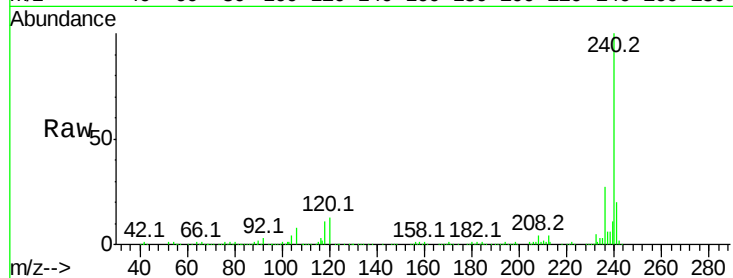
Tot Ion:240 Resp: 368479

Ion Ratio Lower Upper

240 100

120 12.7 13.8 20.8#

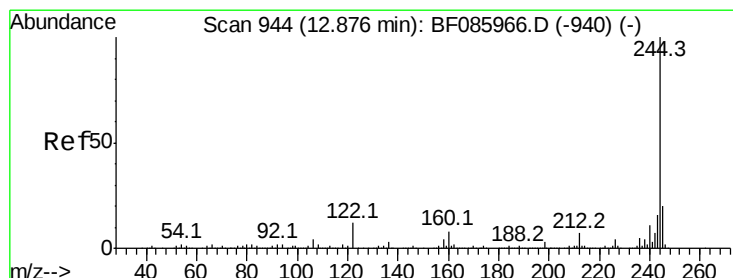
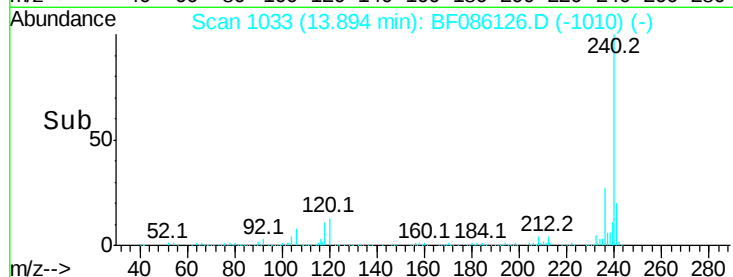
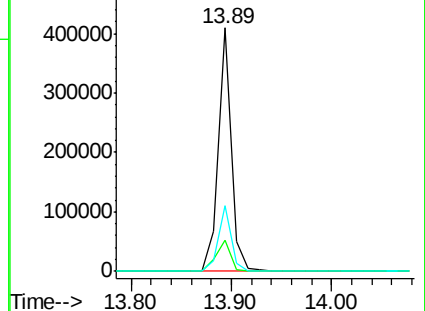
236 26.8 20.6 30.8



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: 78.97 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

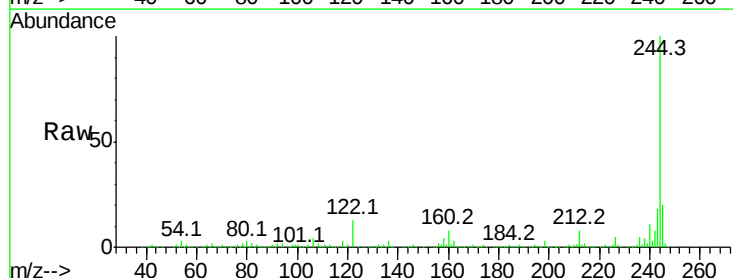
Tgt Ion:244 Resp: 1237945

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

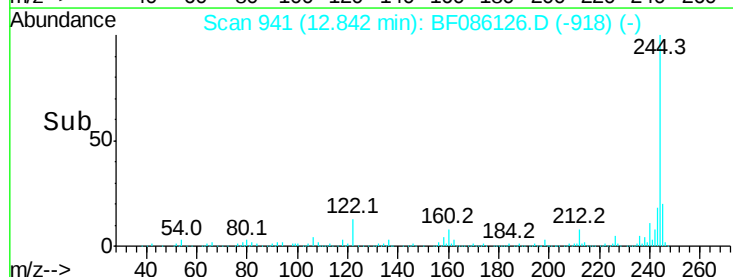
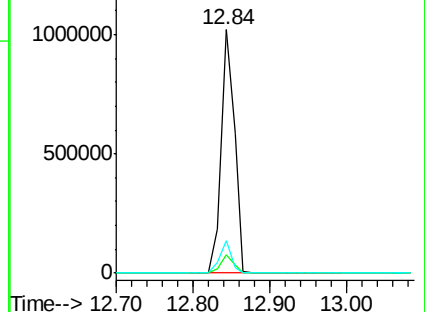
122 13.1 10.2 15.4

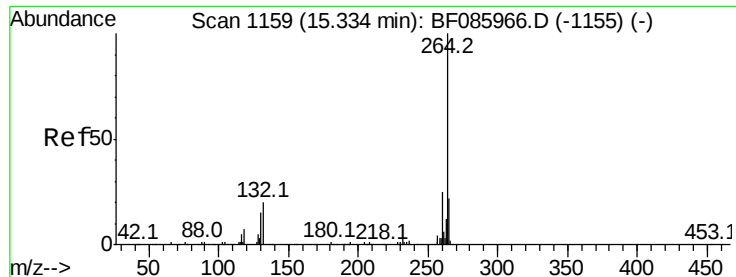


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

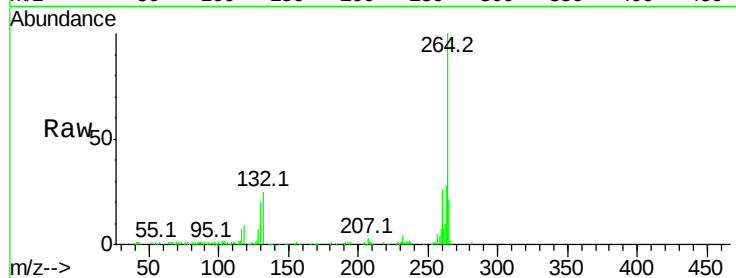




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.05 min
 Lab File: BF086126.D
 Acq: 7 Apr 2016 12:23

Instrument :
 BNA_F
 ClientSampleId :
 PEN-IDW-040116-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.4	29.2
265	20.6	17.2	25.8



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

