

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 01:37:47 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

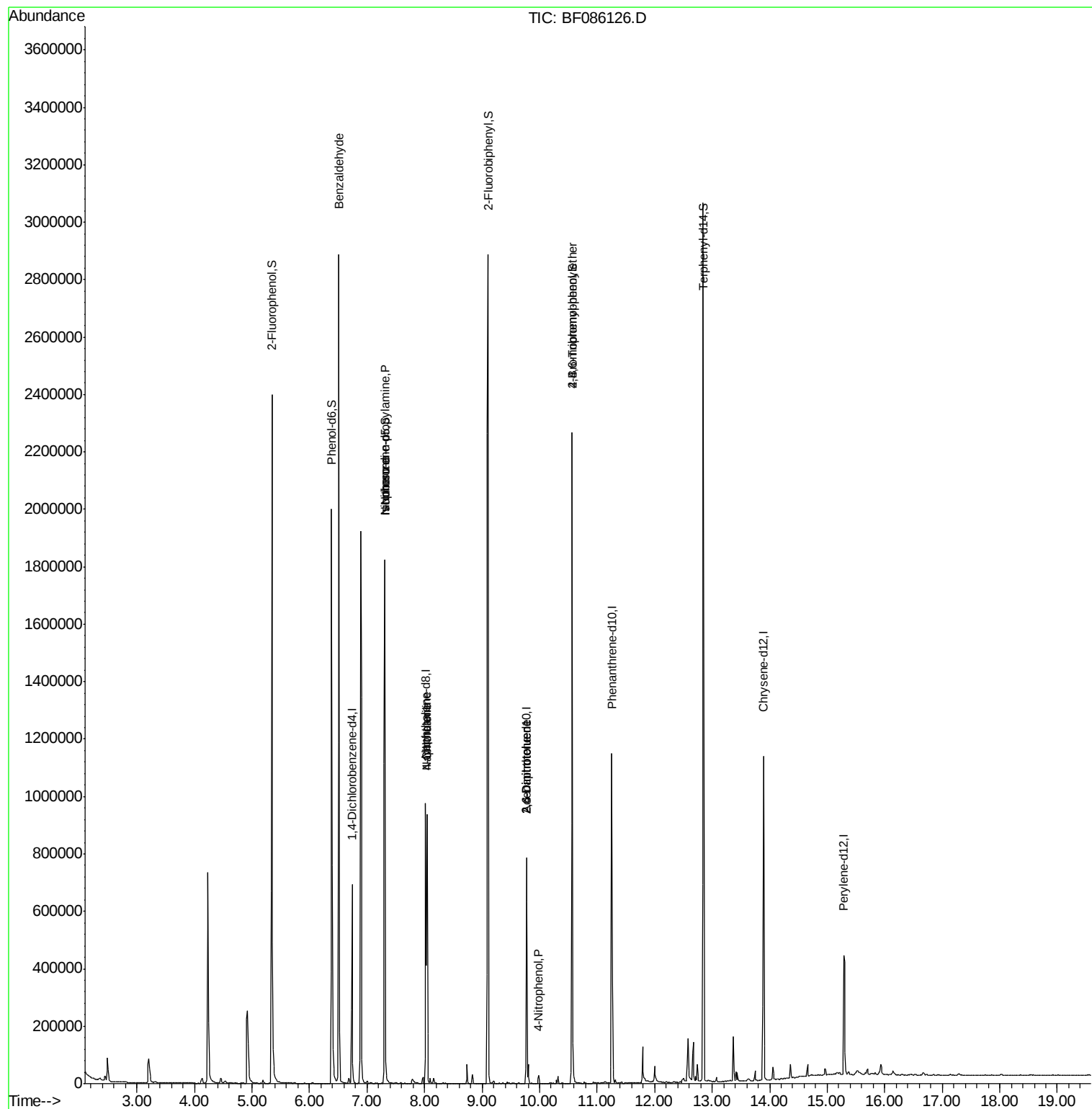
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	118338	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	468095	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	215057	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	425422	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	368479	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						
9) Benzaldehyde	6.51	77	19610	4.14	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.31	70	101502	18.62	ng	# 76
25) Isophorone	7.31	82	764421	48.79	ng	# 68
31) Naphthalene	8.04	128	429472	18.24	ng	99
33) 4-Chloroaniline	8.04	127	56262	5.92	ng	# 34
50) 2,6-Dinitrotoluene	9.77	165	27560	8.17	ng	# 19
55) 4-Nitrophenol	9.98	139	5719	2.39	ng	# 10
56) 2,4-Dinitrotoluene	9.77	165	27560	6.47	ng	# 37
66) 4-Bromophenyl-phenylether	10.57	248	21035	4.84	ng	# 1

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

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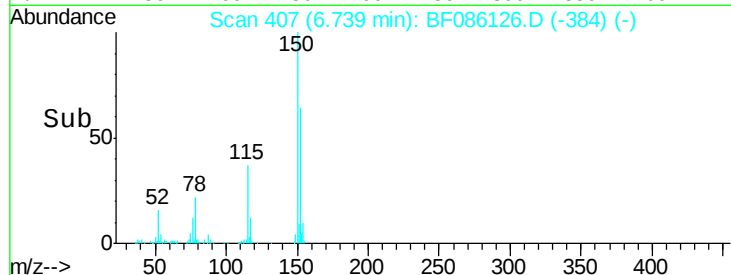
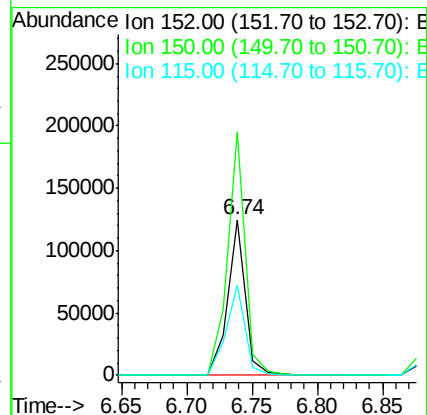
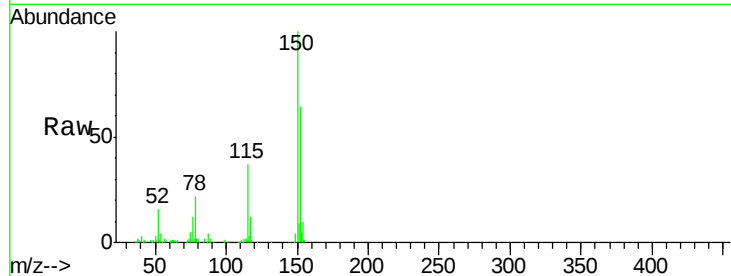


#1

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

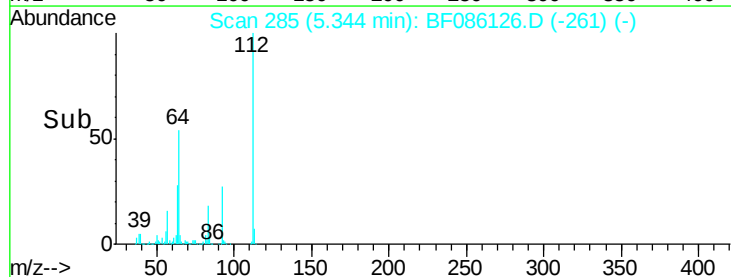
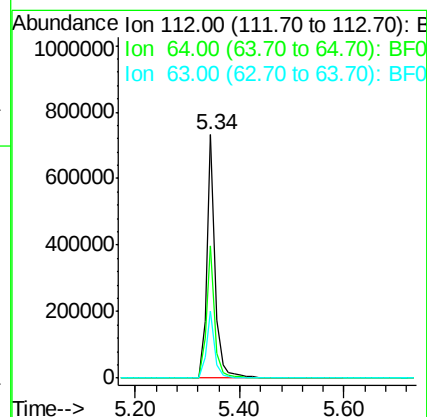
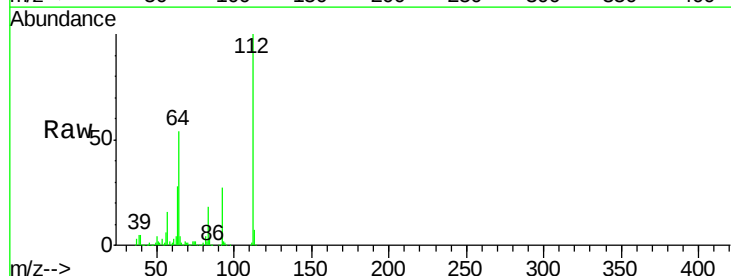
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.2	186.2
115	58.2	47.0	70.6



#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	Ratio	Lower	Upper
112	100		
64	54.2	39.9	59.9
63	27.6	20.2	30.2





#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

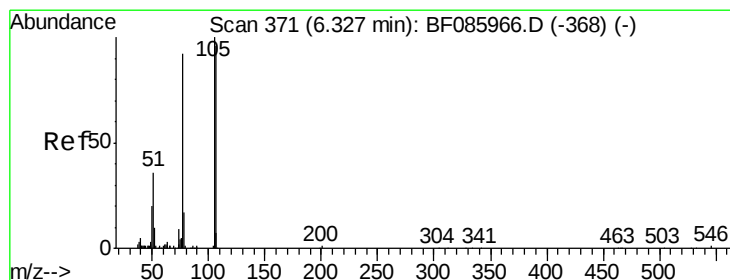
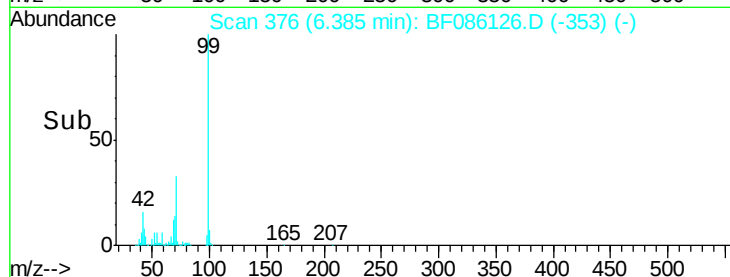
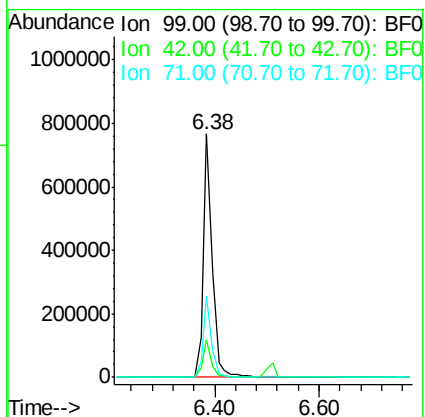
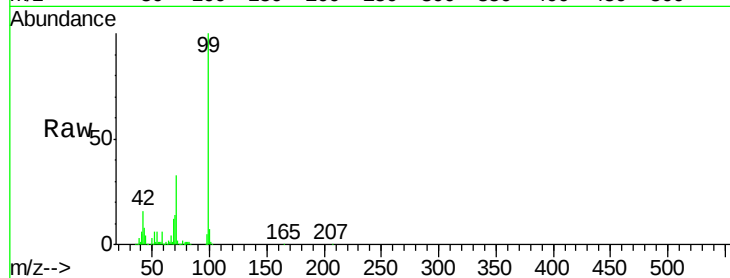
Tgt Ion: 99 Resp: 915206

Ion Ratio Lower Upper

99 100

42 15.6 11.1 16.7

71 33.2 24.9 37.3



#9

Benzaldehyde

Concen: 4.14 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

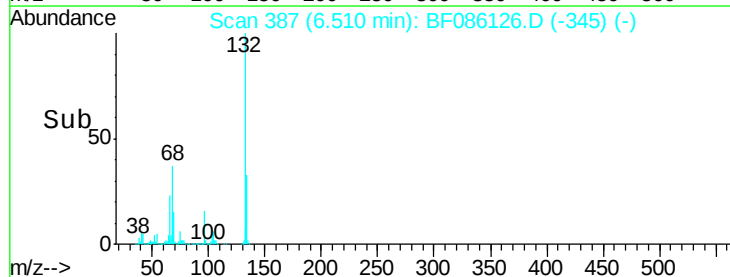
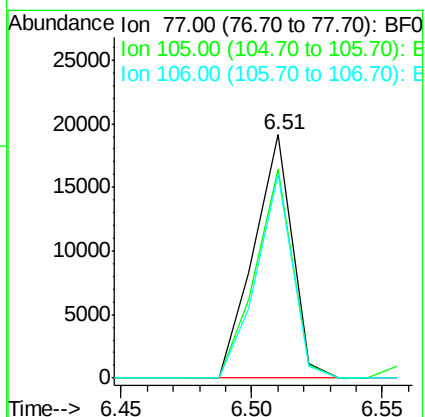
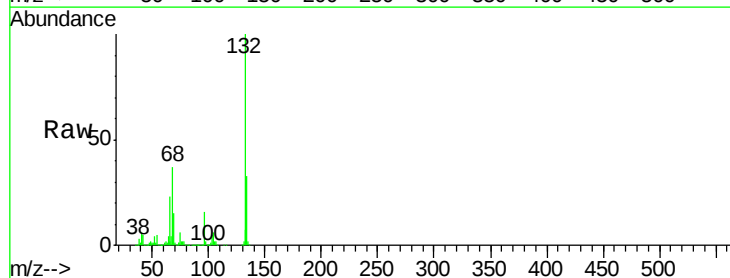
Tgt Ion: 77 Resp: 19610

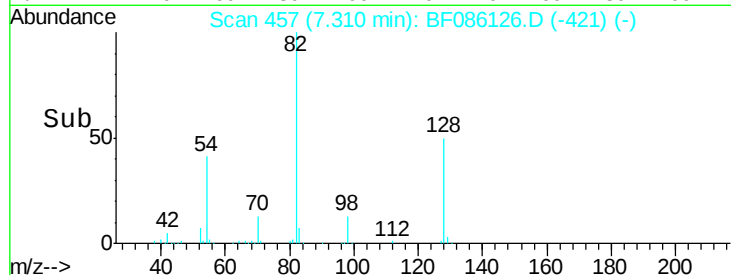
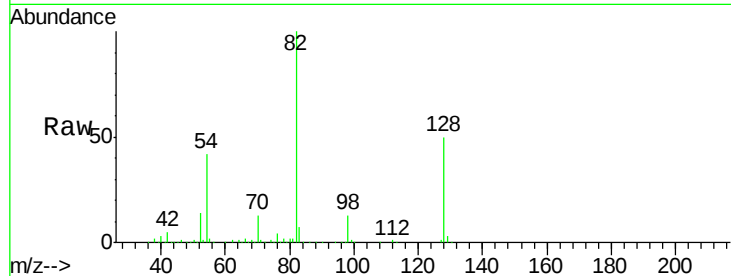
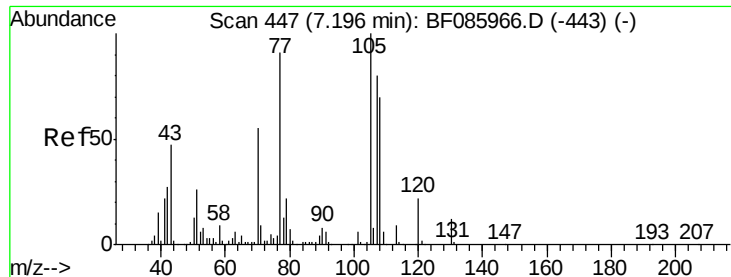
Ion Ratio Lower Upper

77 100

105 85.8 80.1 120.1

106 83.7 75.0 115.0

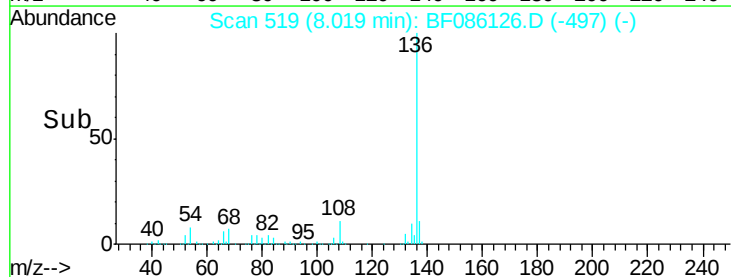
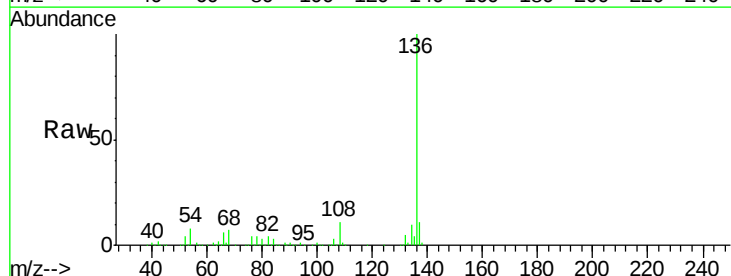
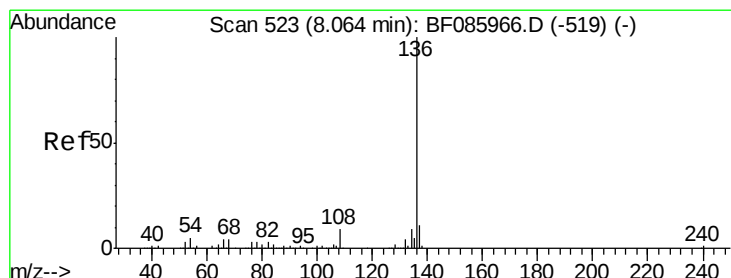
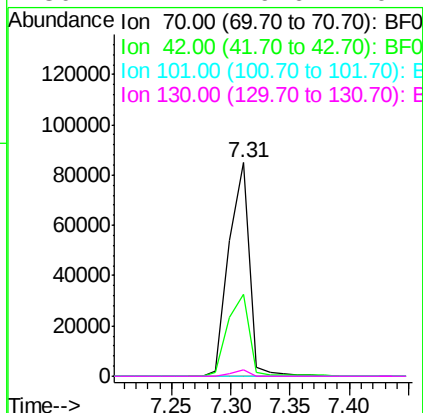




#19
n-Nitroso-di-n-propylamine
Concen: 18.62 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.11 min
Lab File: BF086126.D
Acq: 7 Apr 2016 12:23

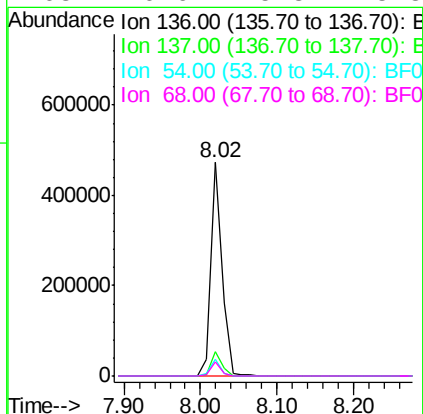
Instrument :
BNA_F
ClientSampleId :
PEN-IDW-040116-SOIL

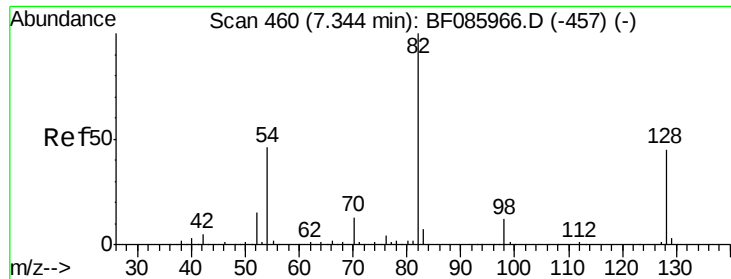
Tgt Ion: 70 Resp: 101502
Ion Ratio Lower Upper
70 100
42 38.2 37.1 55.7
101 0.0 8.6 12.8#
130 2.7 19.6 29.4#



#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

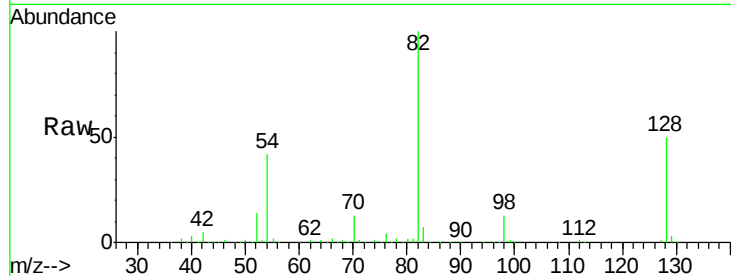




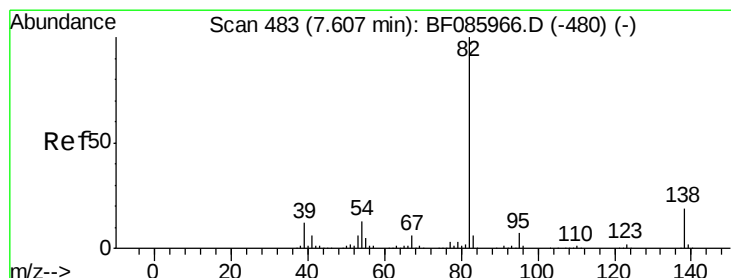
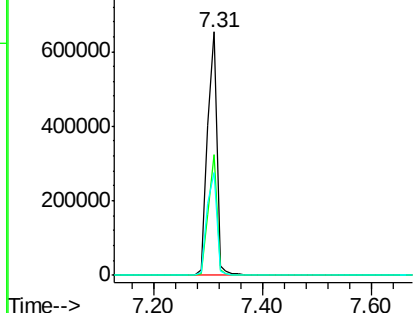
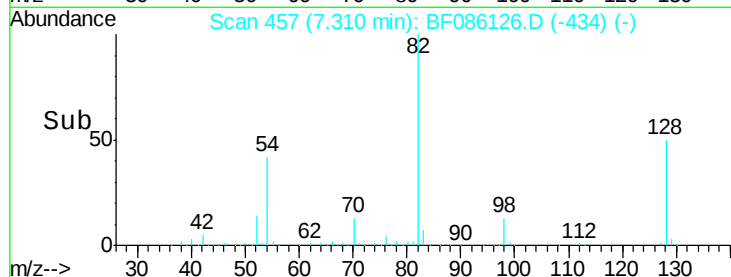
#23
 Nitrobenzene-d5
 Concen: 97.59 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086126.D
 Acq: 7 Apr 2016 12:23

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.5	41.8	62.8
54	42.2	33.4	50.0

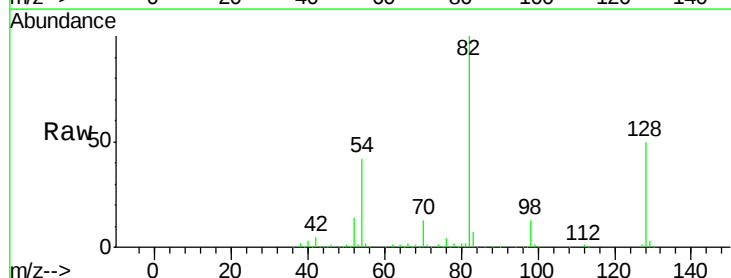


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

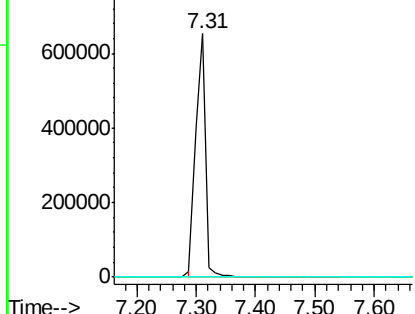
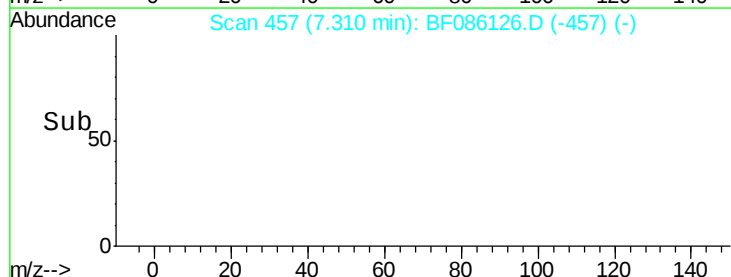


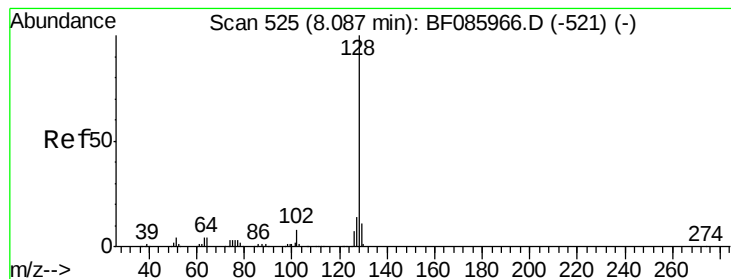
#25
 Isophorone
 Concen: 48.79 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.30 min
 Lab File: BF086126.D
 Acq: 7 Apr 2016 12:23

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	12.9	19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): 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

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

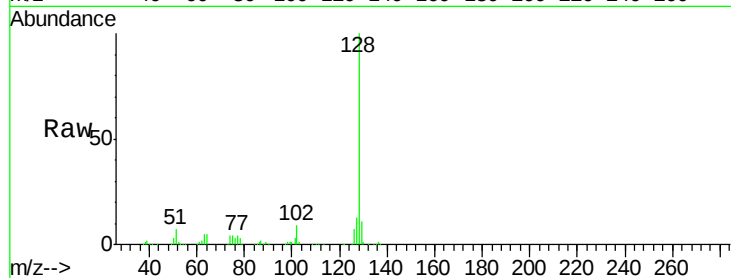
Tgt Ion:128 Resp: 429472

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

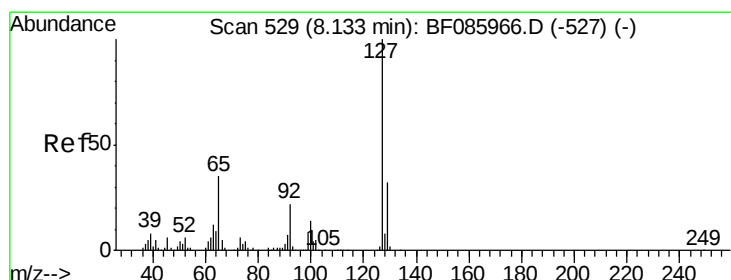
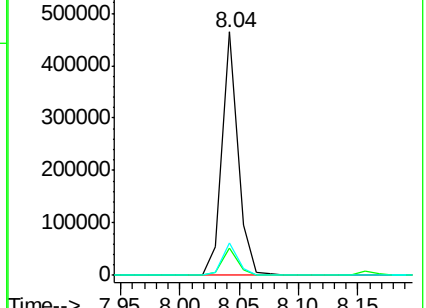
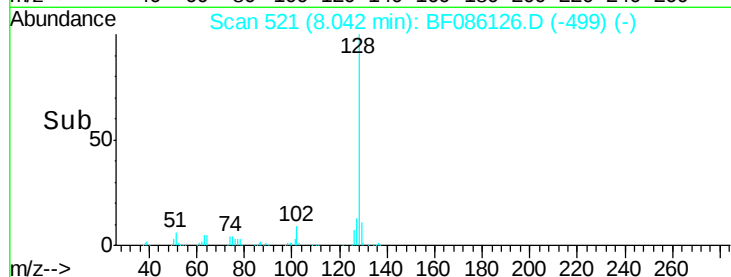
127 13.2 11.0 16.6



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



#33

4-Chloroaniline

Concen: 5.92 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.09 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Tgt Ion:127 Resp: 56262

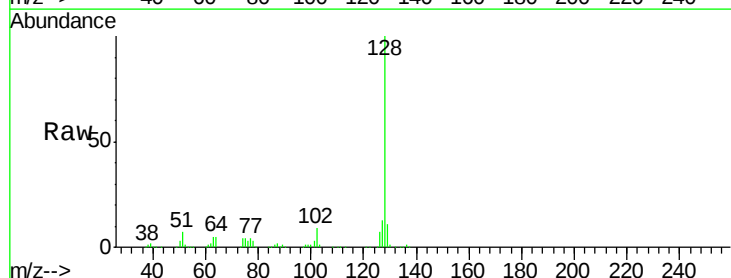
Ion Ratio Lower Upper

127 100

129 84.7 26.1 39.1#

65 0.0 19.5 29.3#

92 0.0 14.6 22.0#

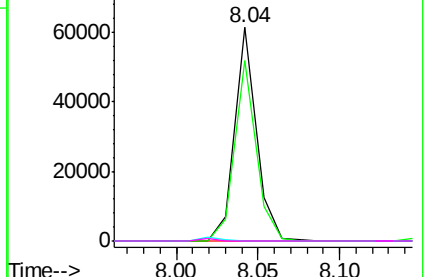
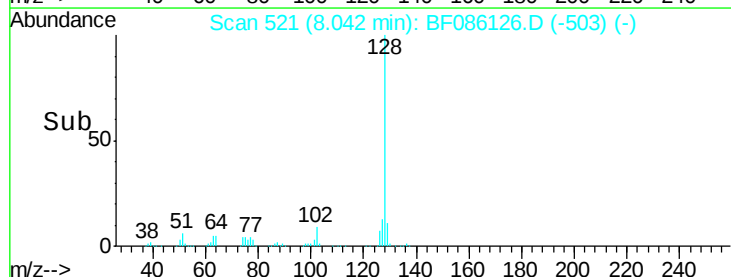


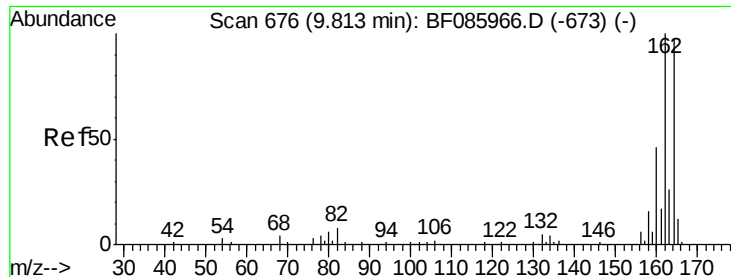
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#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

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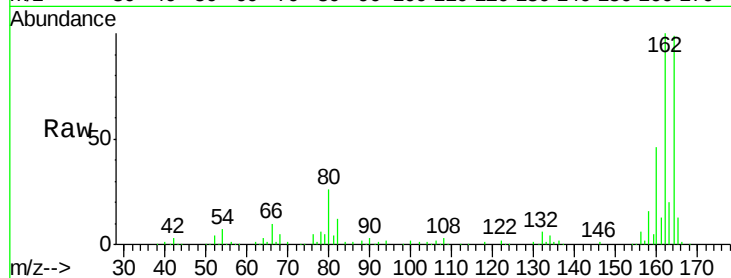
Tgt Ion:164 Resp: 215057

Ion Ratio Lower Upper

164 100

162 101.5 82.1 123.1

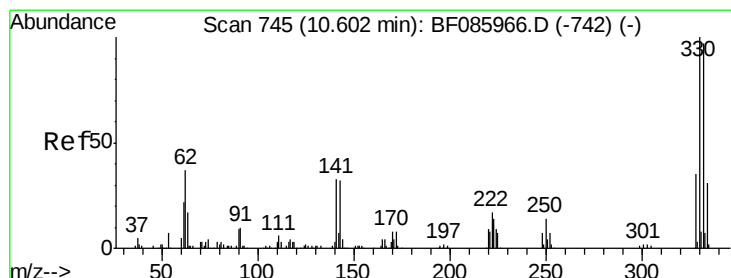
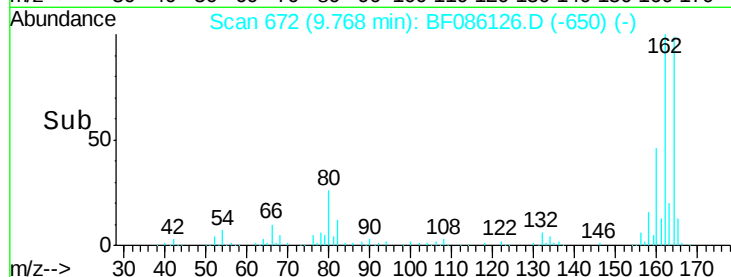
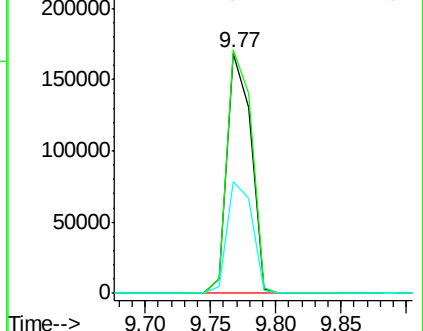
160 46.7 37.4 56.2



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

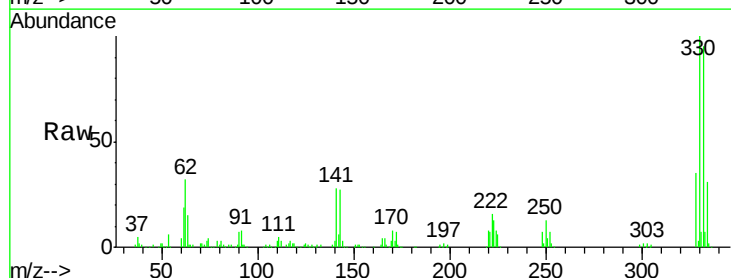
Tgt Ion:330 Resp: 307562

Ion Ratio Lower Upper

330 100

332 95.2 78.2 117.2

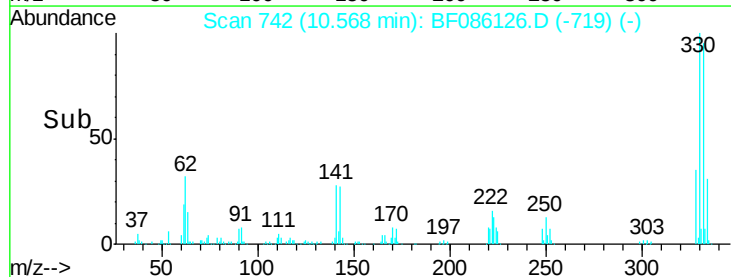
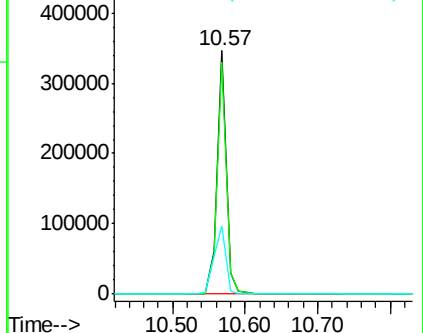
141 36.0 31.5 47.3

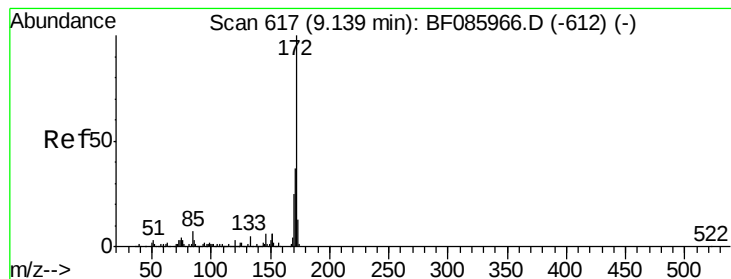


Abundance Ion 329.80 (329.50 to 330.50): E

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

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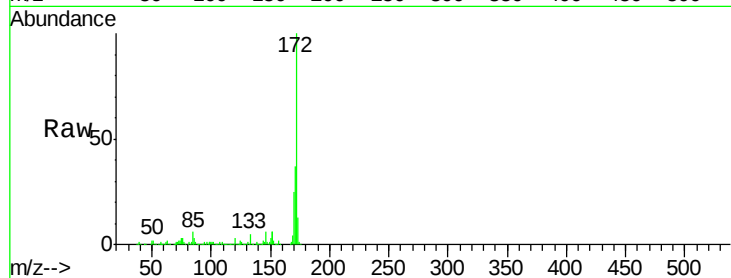
Tgt Ion:172 Resp: 1310031

Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.2

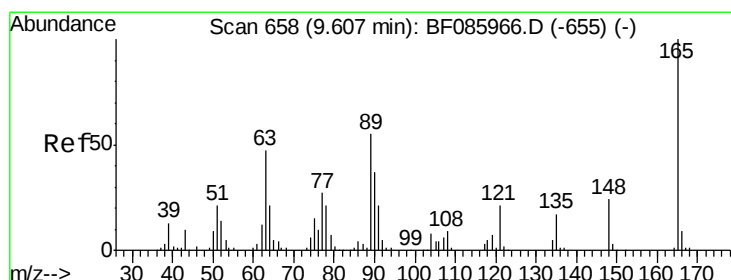
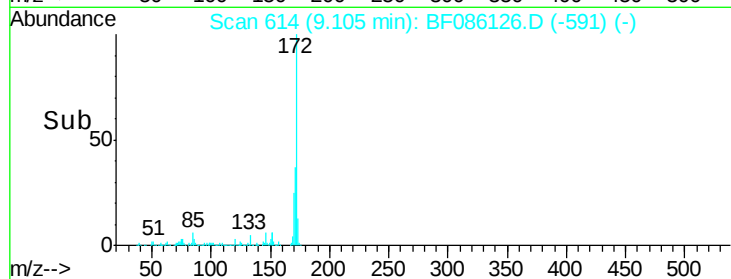
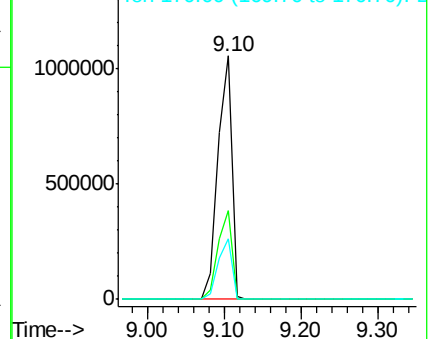
170 24.8 19.8 29.6



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



#50

2,6-Dinitrotoluene

Concen: 8.17 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.16 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

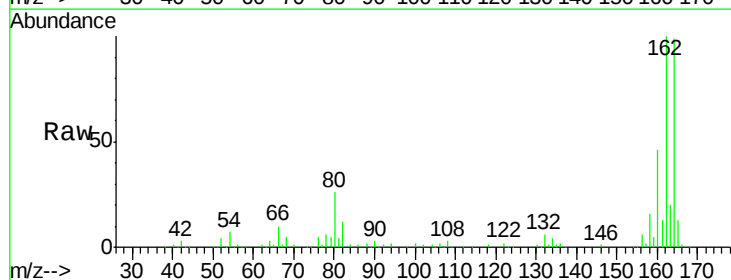
Tgt Ion:165 Resp: 27560

Ion Ratio Lower Upper

165 100

63 1.4 51.8 77.8#

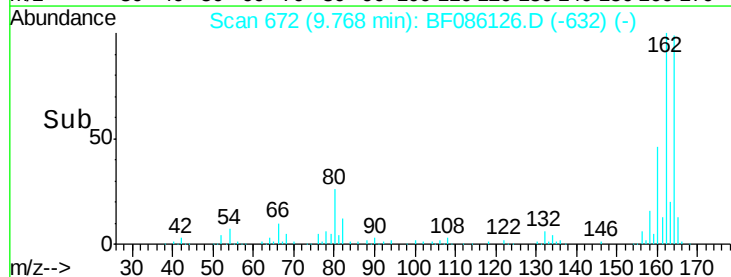
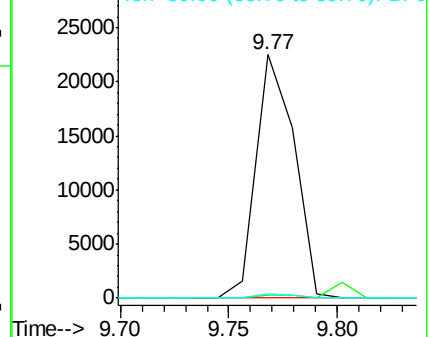
89 1.8 53.7 80.5#

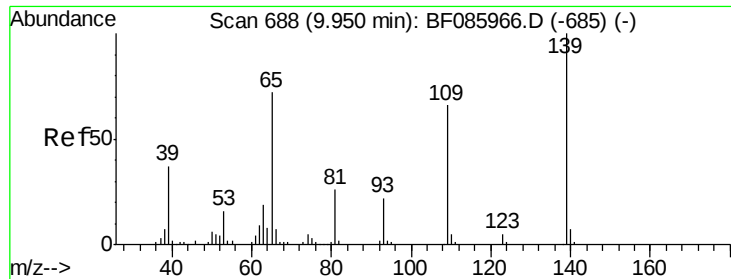


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#55

4-Nitrophenol

Concen: 2.39 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

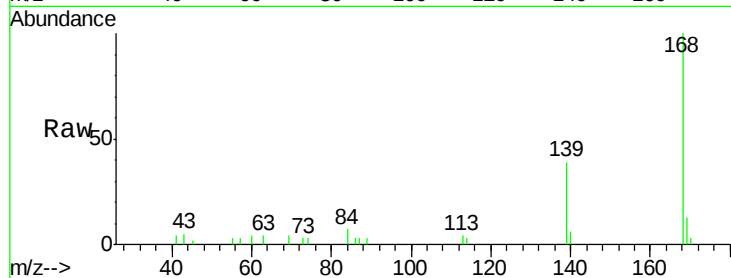
Tgt Ion:139 Resp: 5719

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

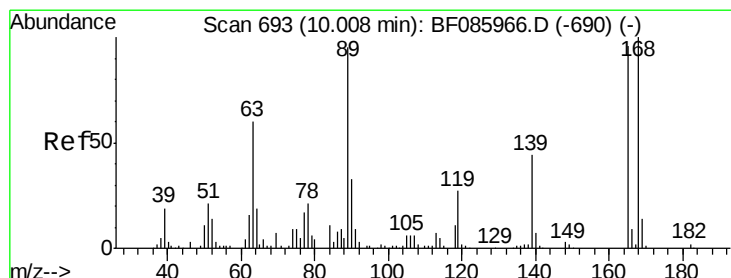
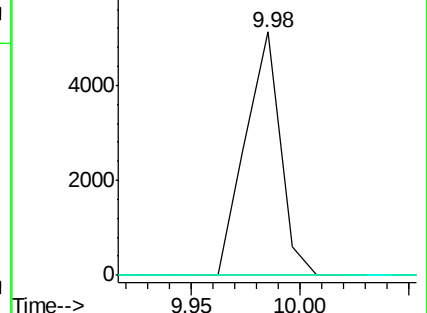
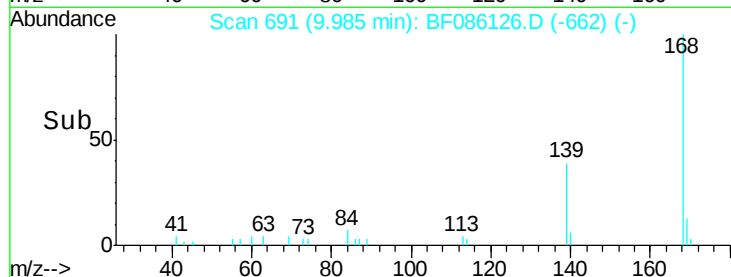
65 0.0 66.9 106.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.47 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.24 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Tgt Ion:165 Resp: 27560

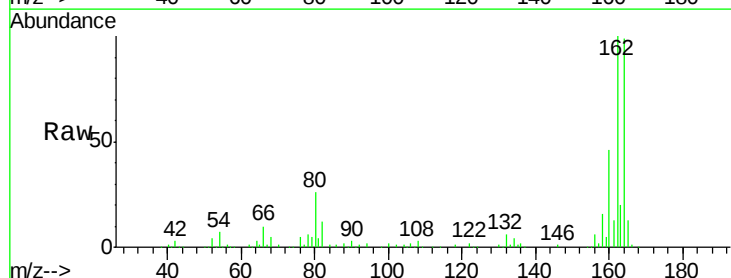
Ion Ratio Lower Upper

165 100

63 1.4 24.9 37.3#

89 1.8 41.0 61.6#

182 0.0 2.1 3.1#

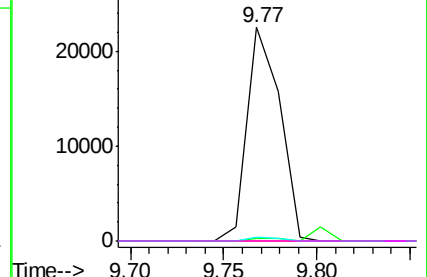
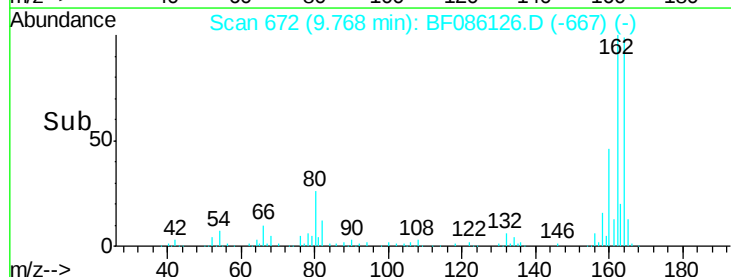


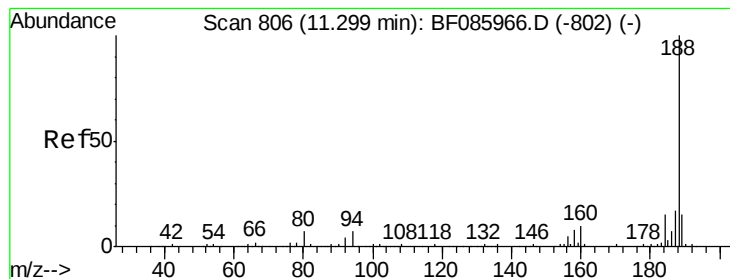
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

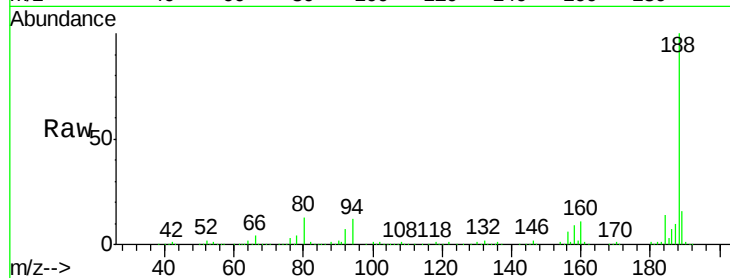
Tgt Ion:188 Resp: 425422

Ion Ratio Lower Upper

188 100

94 12.3 5.4 8.0#

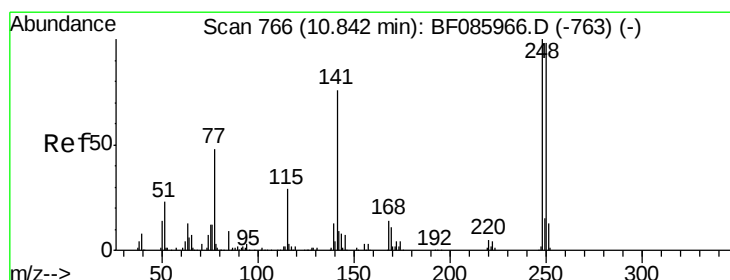
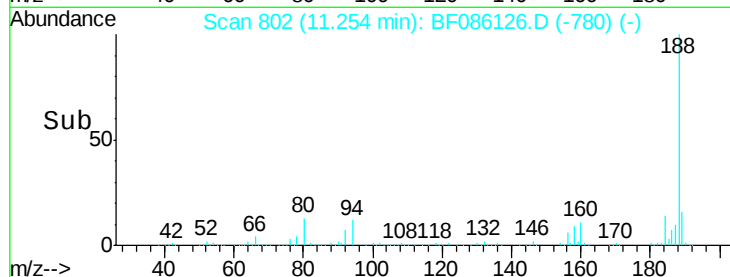
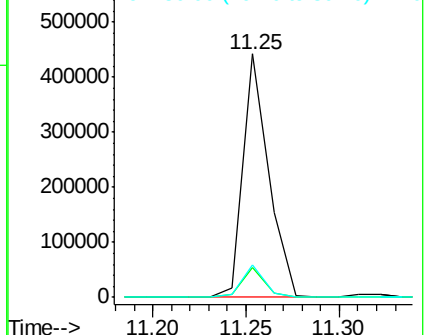
80 13.4 5.5 8.3#



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



#66

4-Bromophenyl-phenylether

Concen: 4.84 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.27 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

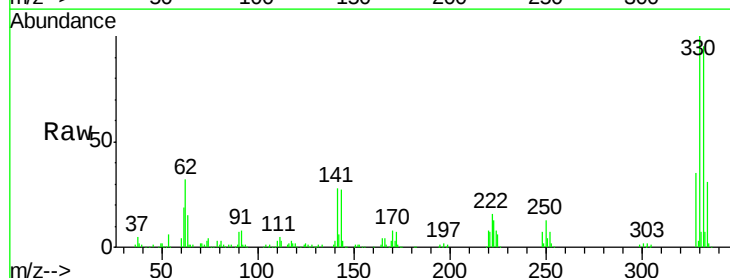
Tgt Ion:248 Resp: 21035

Ion Ratio Lower Upper

248 100

250 201.6 77.4 116.0#

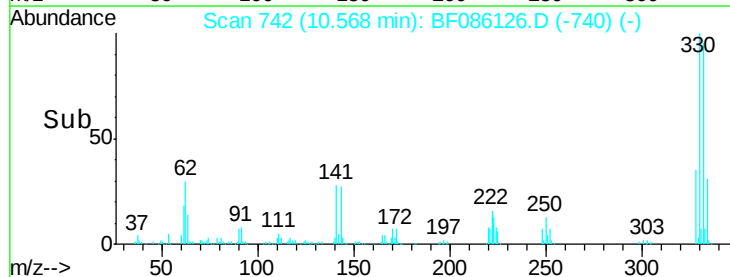
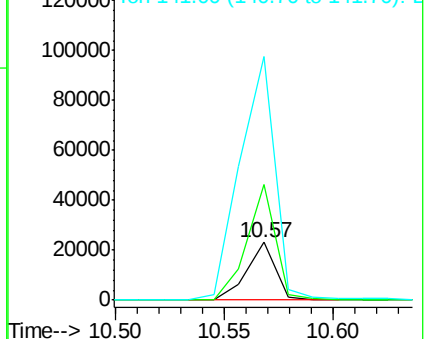
141 422.8 63.6 95.4#

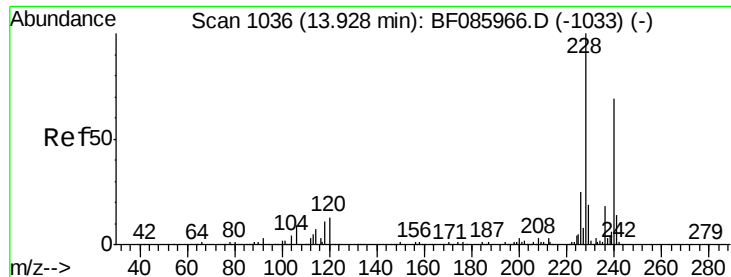


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086126.D

Acq: 7 Apr 2016 12:23

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-SOIL

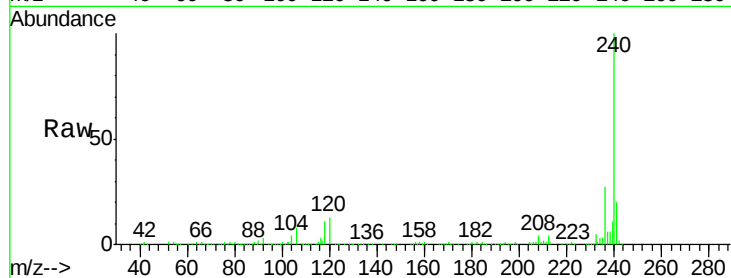
Tgt Ion:240 Resp: 368479

Ion Ratio Lower Upper

240 100

120 12.7 13.8 20.8#

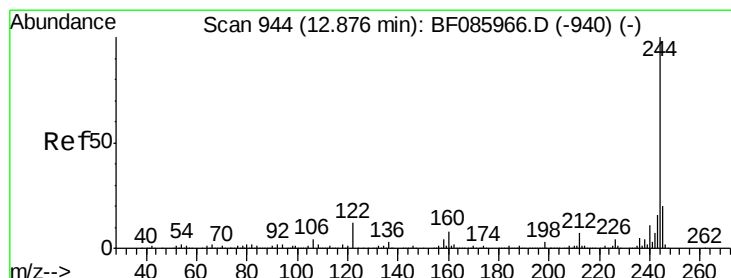
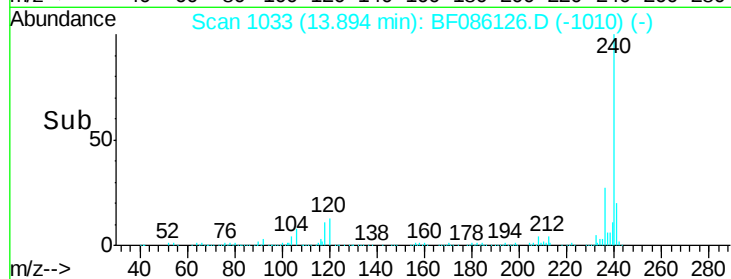
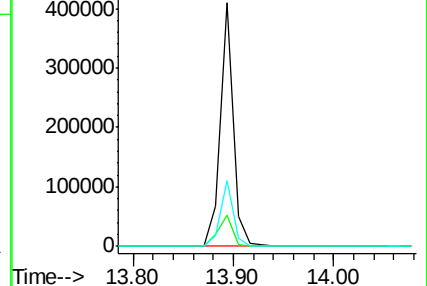
236 26.8 20.6 30.8



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

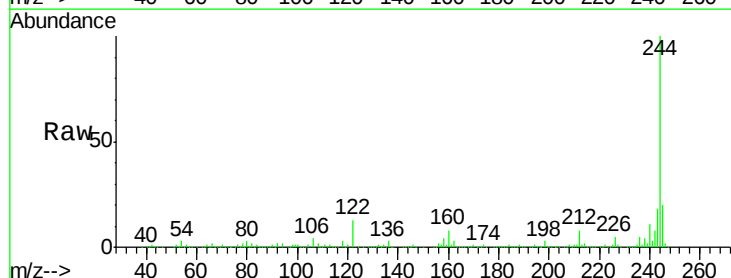
Tgt Ion:244 Resp: 1237945

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

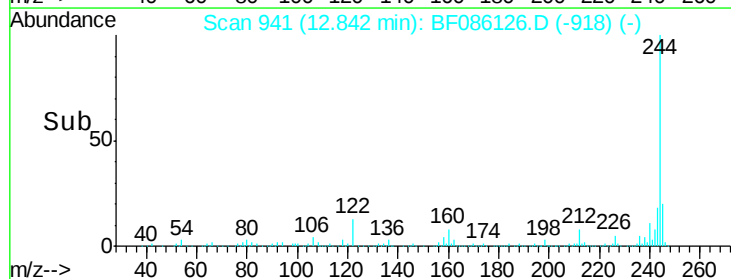
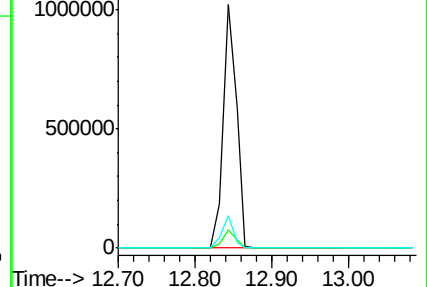
122 13.1 10.2 15.4

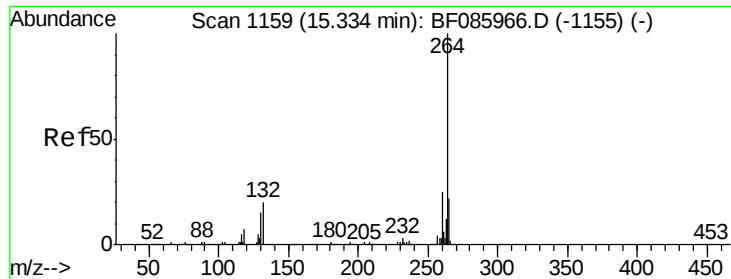


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-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

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

