

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121415\
 Data File : BF083780.D
 Acq On : 14 Dec 2015 20:30
 Operator : UM/IZ
 Sample : G4760-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

Quant Time: Dec 15 02:22:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

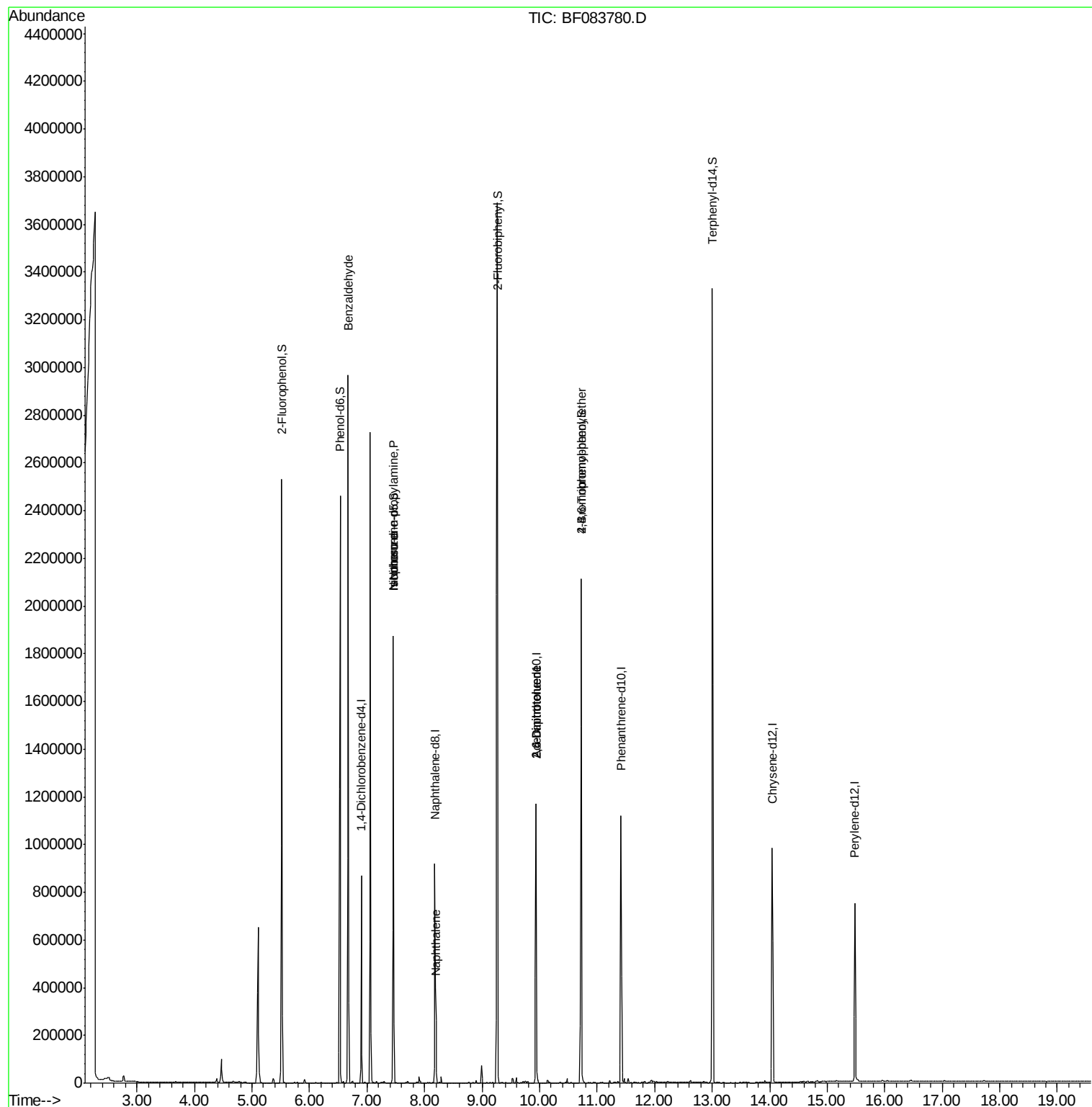
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	119998	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	469291	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	247978	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	445605	20.00	ng	-0.03
75) Chrysene-d12	14.04	240	407486	20.00	ng	-0.03
86) Perylene-d12	15.48	264	329249	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	784304	105.44	ng	-0.01
7) Phenol-d6	6.53	99	982052	104.26	ng	-0.01
23) Nitrobenzene-d5	7.46	82	657072	78.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	365121	144.50	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1378387	79.99	ng	-0.02
78) Terphenyl-d14	13.00	244	1333336	70.38	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.67	77	19719	3.90	ng	Qvalue 91
19) n-Nitroso-di-n-propylamine	7.46	70	90596	15.71	ng	# 71
25) Isophorone	7.46	82	653485	39.71	ng	# 69
31) Naphthalene	8.20	128	111458	4.56	ng	99
50) 2,6-Dinitrotoluene	9.94	165	32098	7.82	ng	# 18
56) 2,4-Dinitrotoluene	9.94	165	32099	5.99	ng	# 13
66) 4-Bromophenyl-phenylether	10.73	248	25402	5.10	ng	# 1

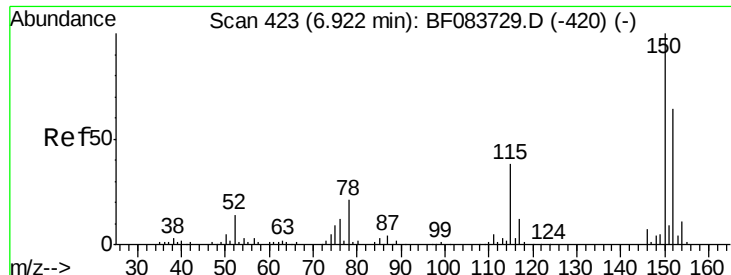
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

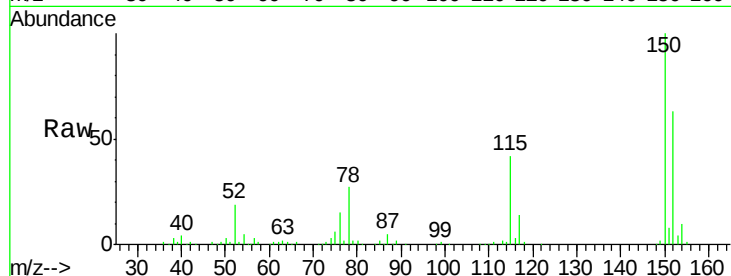
Tgt Ion:152 Resp: 119998

Ion Ratio Lower Upper

152 100

150 159.4 126.5 189.7

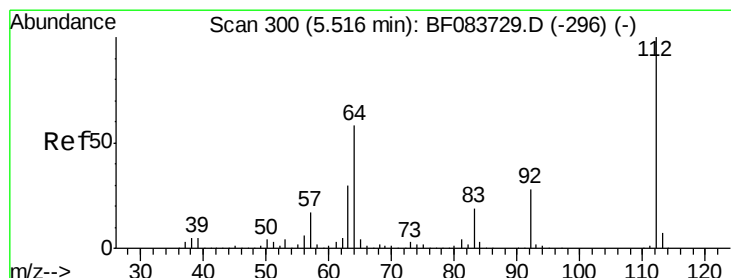
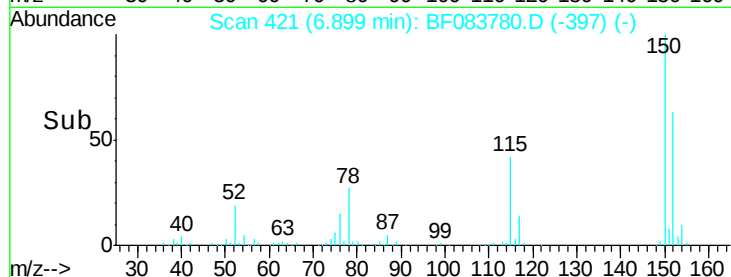
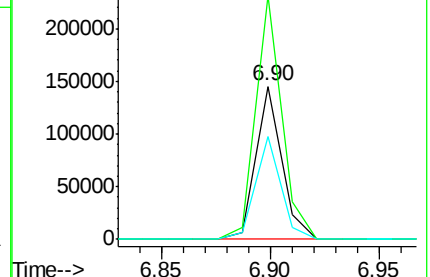
115 67.6 52.3 78.5



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: 105.44 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

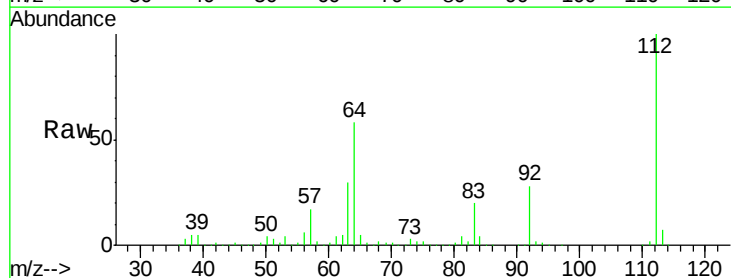
Tgt Ion:112 Resp: 784304

Ion Ratio Lower Upper

112 100

64 57.5 50.5 75.7

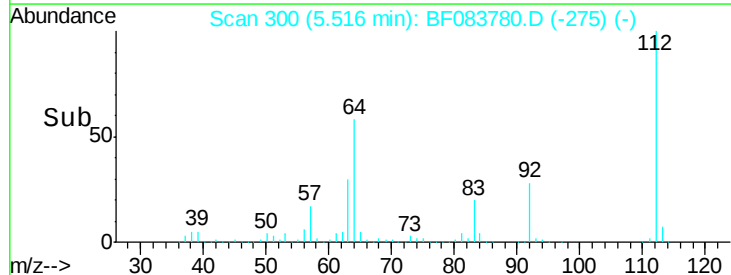
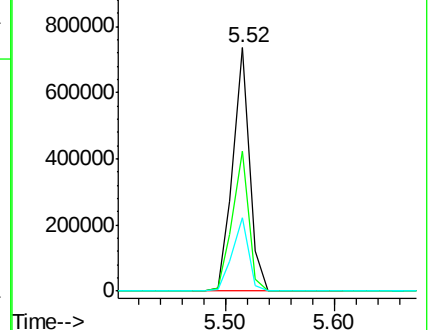
63 30.1 25.8 38.6

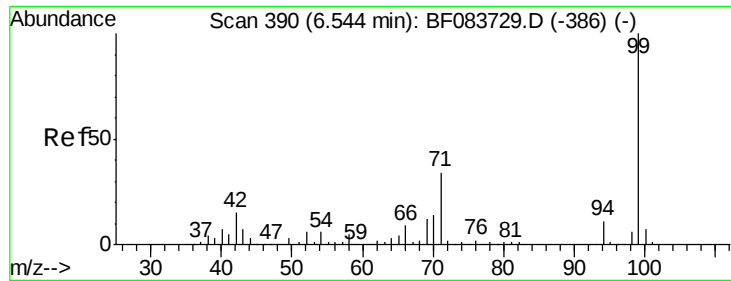


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.26 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

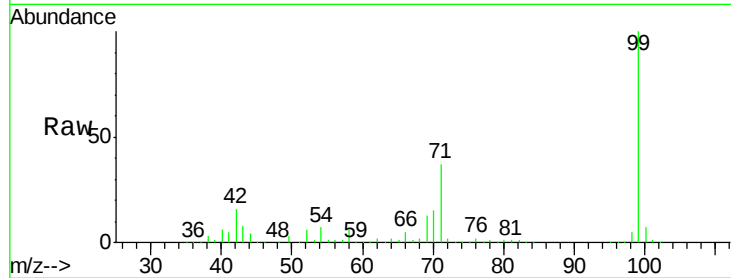
Tgt Ion: 99 Resp: 982052

Ion Ratio Lower Upper

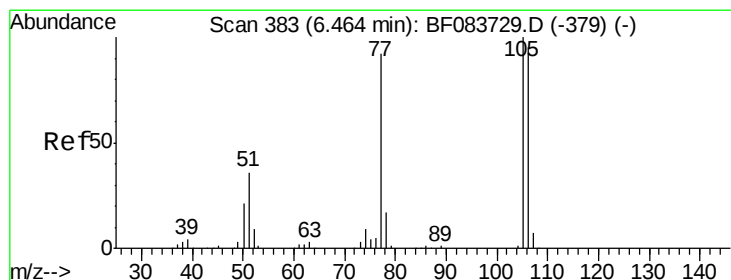
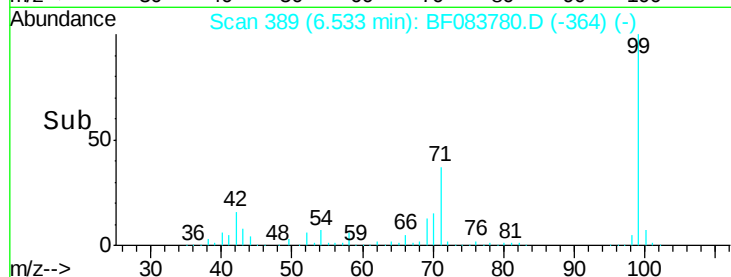
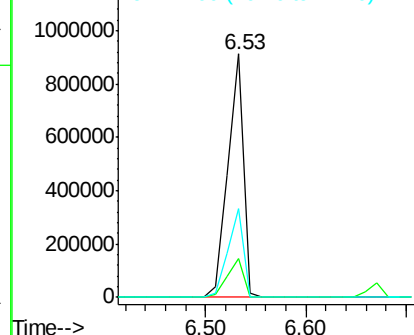
99 100

42 16.2 17.3 25.9#

71 36.7 26.6 40.0



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: 3.90 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.21 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

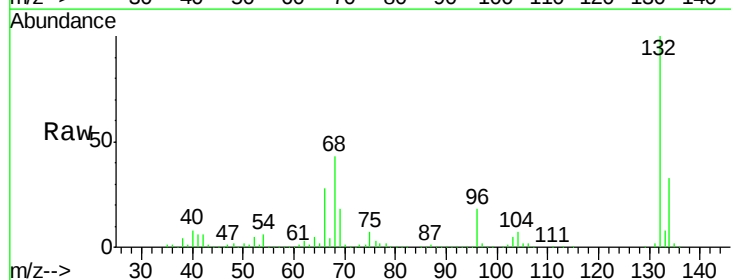
Tgt Ion: 77 Resp: 19719

Ion Ratio Lower Upper

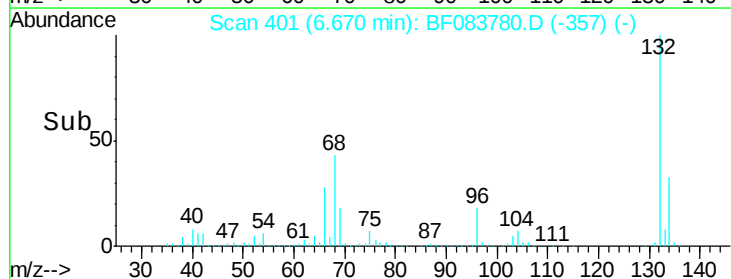
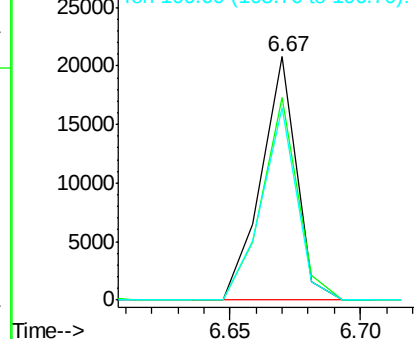
77 100

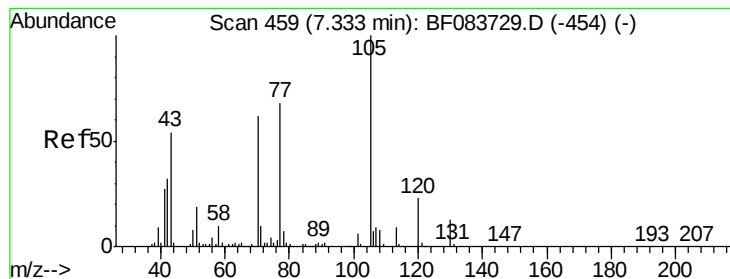
105 83.3 71.8 111.8

106 79.1 66.8 106.8



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: 15.71 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

Tgt Ion: 70 Resp: 90596

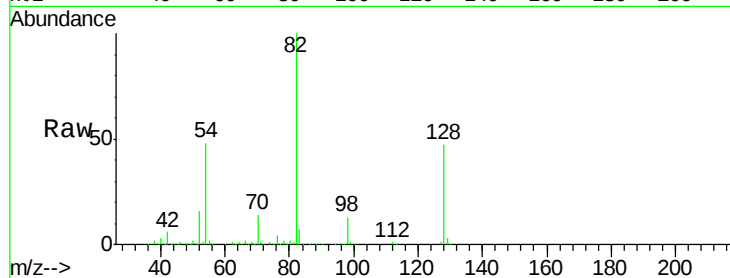
Ion Ratio Lower Upper

70 100

42 41.3 49.2 73.8#

101 0.0 7.1 10.7#

130 2.0 15.4 23.0#

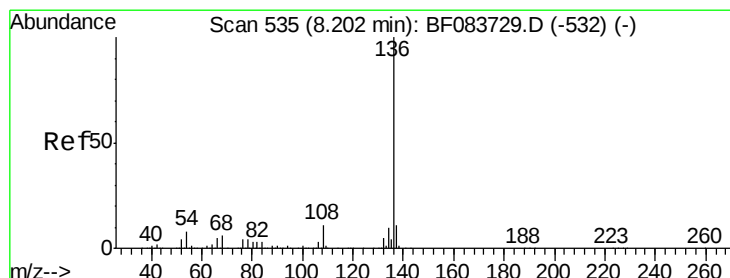
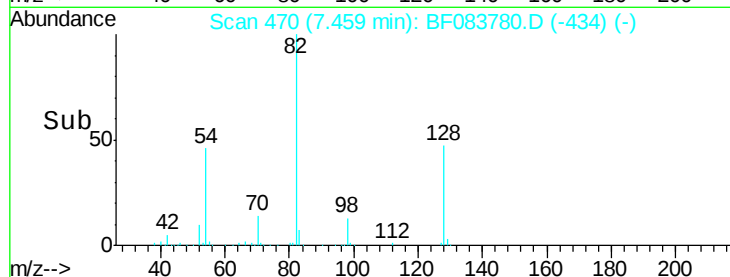
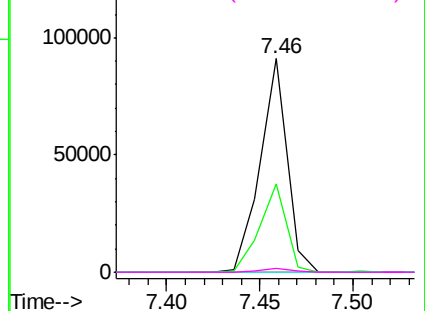


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

Tgt Ion: 136 Resp: 469291

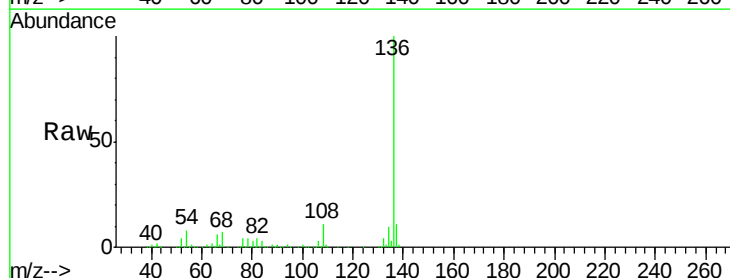
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 8.2 7.8 11.6

68 6.7 5.7 8.5

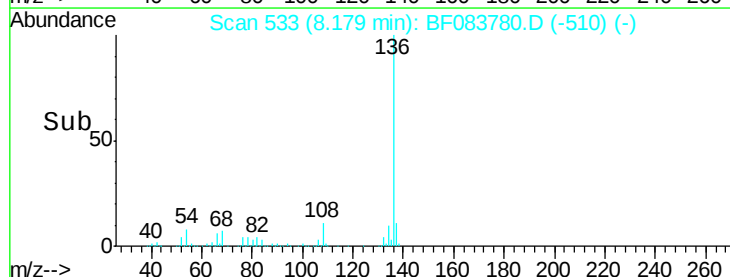
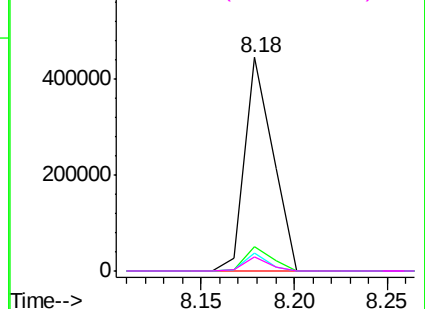


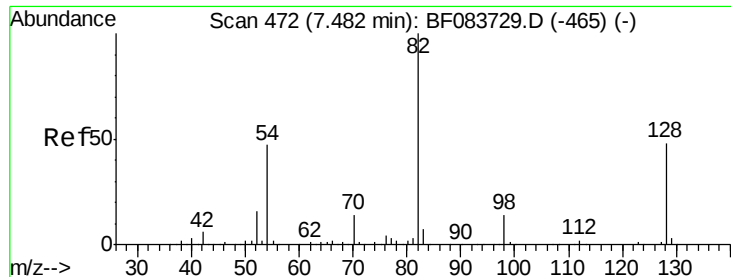
Abundance Ion 136.00 (135.70 to 136.70): E

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

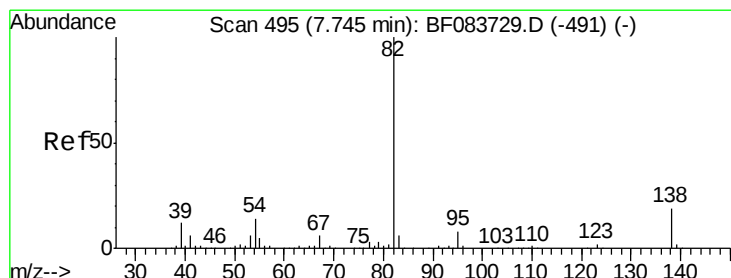
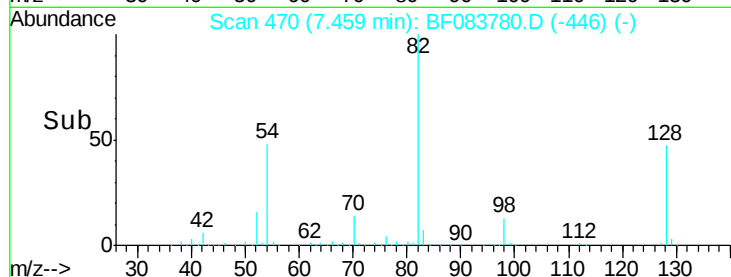
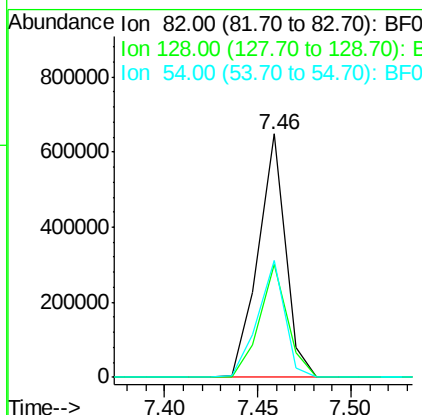
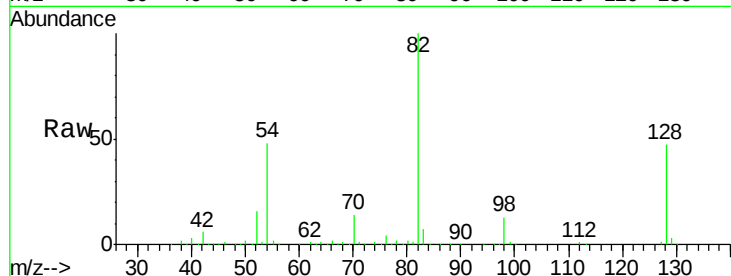




#23
 Nitrobenzene-d5
 Concen: 78.33 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.02 min
 Lab File: BF083780.D
 Acq: 14 Dec 2015 20:30

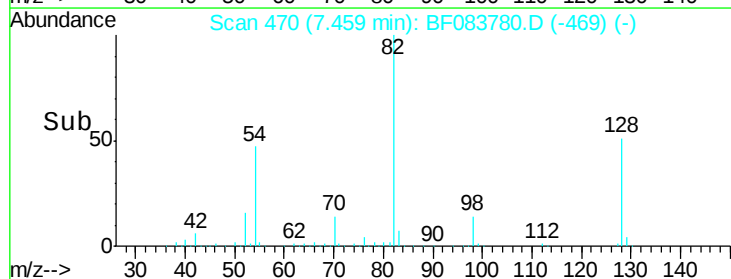
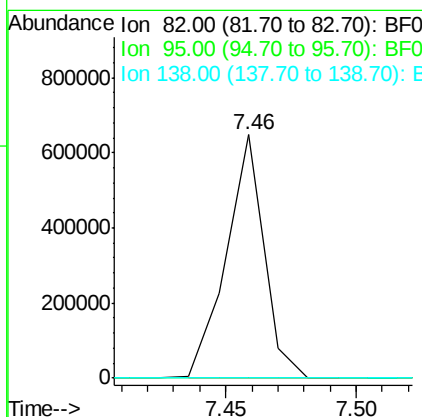
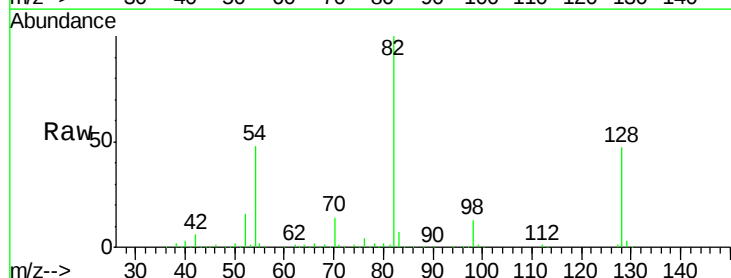
Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

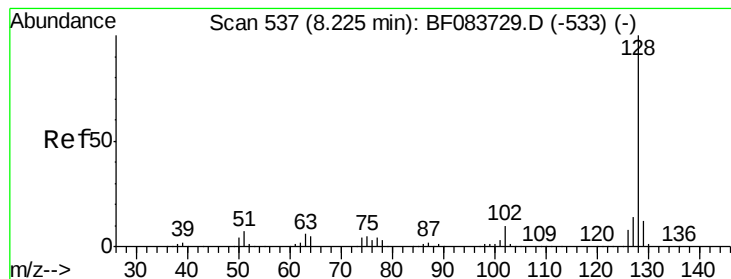
Tgt Ion: 82 Resp: 657072
 Ion Ratio Lower Upper
 82 100
 128 46.7 30.7 46.1#
 54 47.8 42.5 63.7



#25
 Isophorone
 Concen: 39.71 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.29 min
 Lab File: BF083780.D
 Acq: 14 Dec 2015 20:30

Tgt Ion: 82 Resp: 653485
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.0 7.4#
 138 0.0 12.1 18.1#





#31

Naphthalene

Concen: 4.56 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

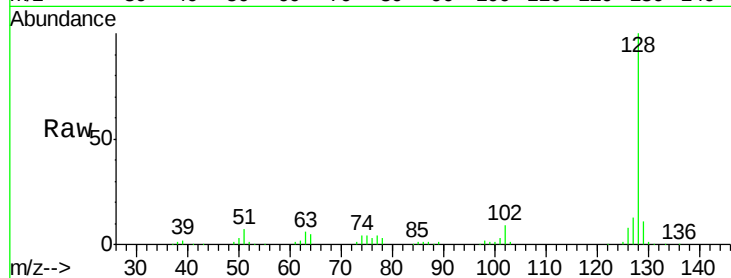
Tgt Ion:128 Resp: 111458

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

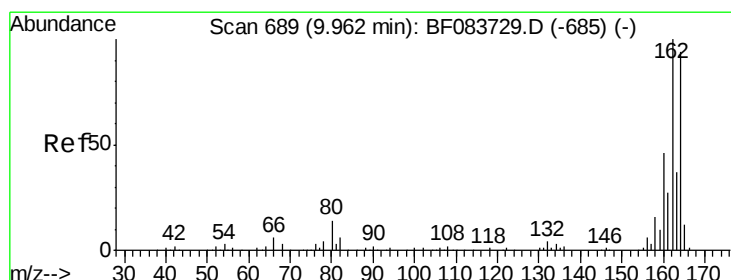
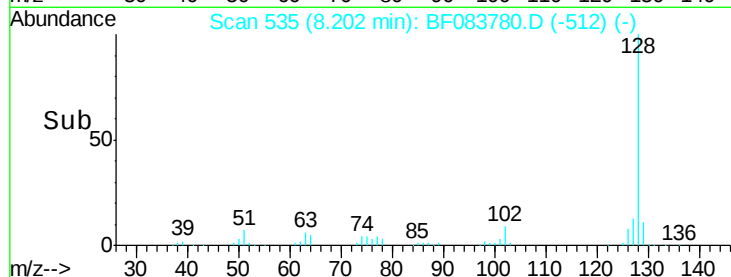
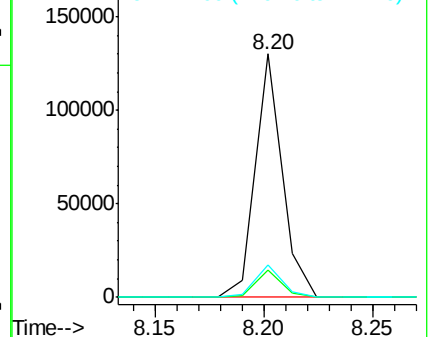
127 13.3 10.6 16.0



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: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

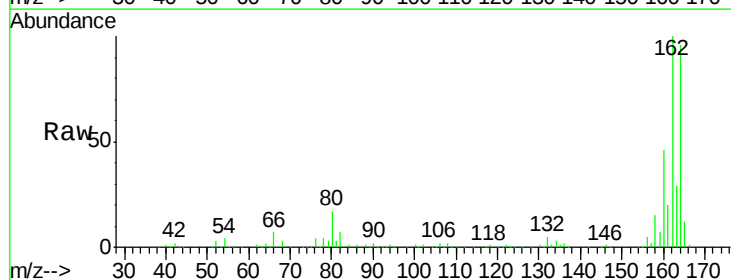
Tgt Ion:164 Resp: 247978

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

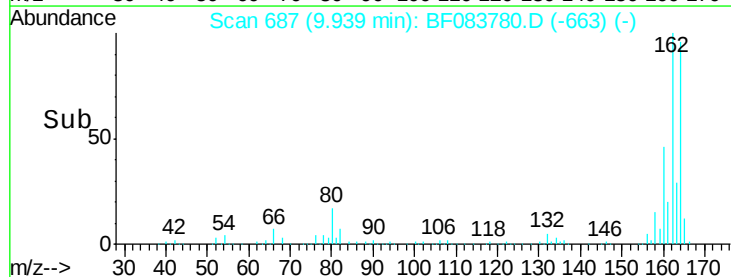
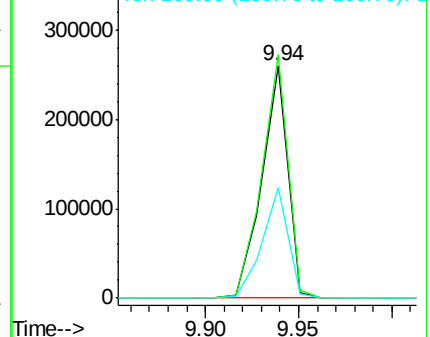
160 47.7 33.4 50.2

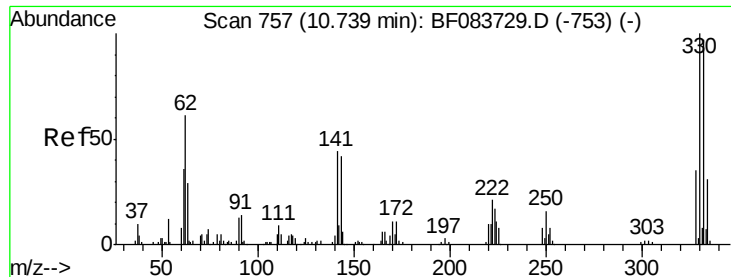


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

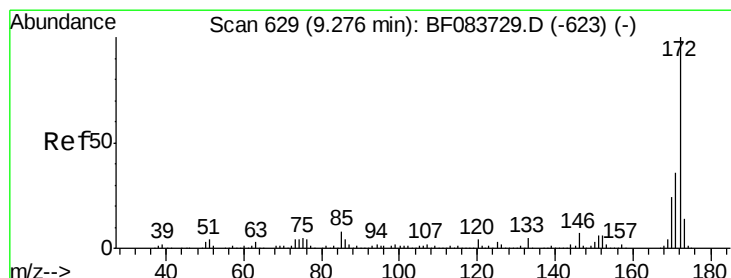
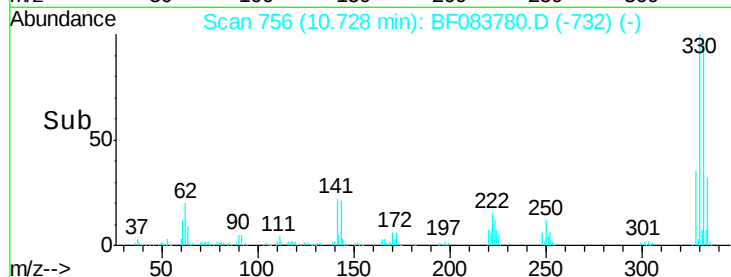
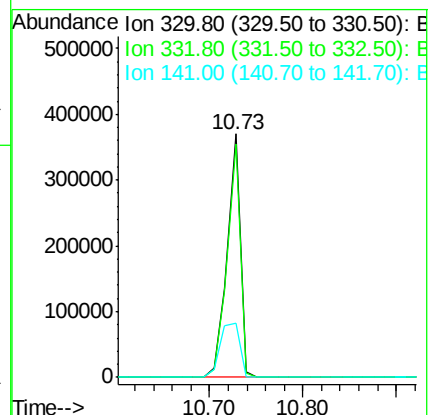
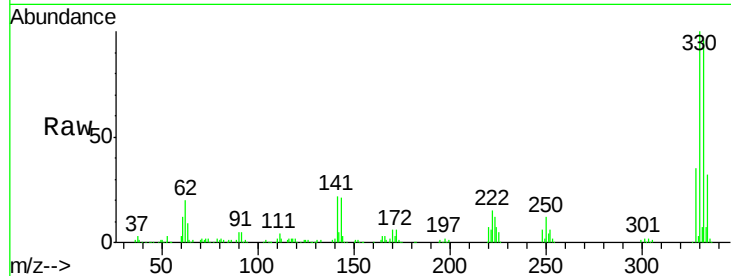




#41
 2,4,6-Tribromophenol
 Concen: 144.50 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083780.D
 Acq: 14 Dec 2015 20:30

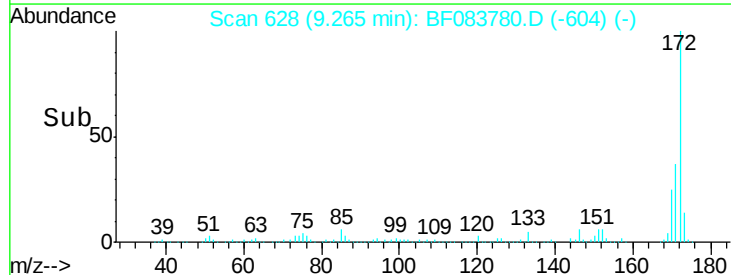
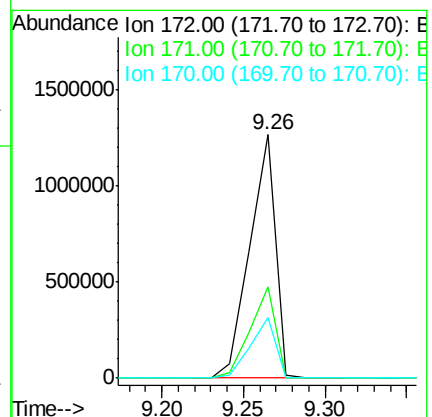
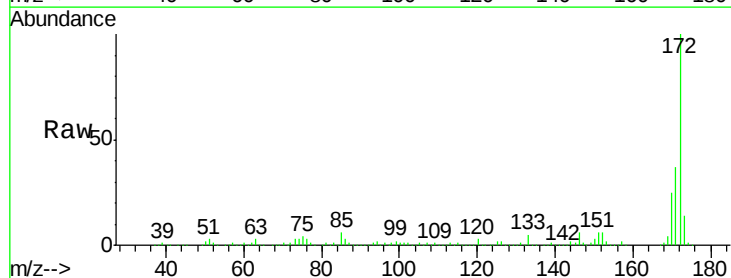
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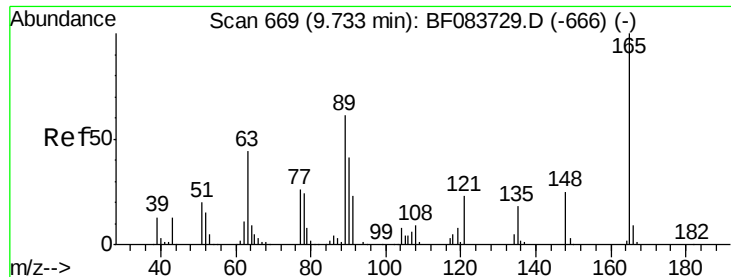
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	33.3	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 79.99 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083780.D
 Acq: 14 Dec 2015 20:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.6	42.8
170	24.9	19.4	29.0

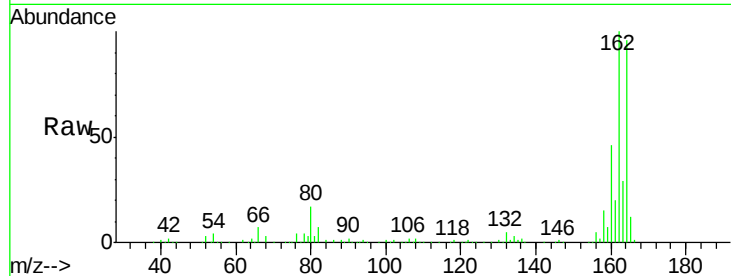




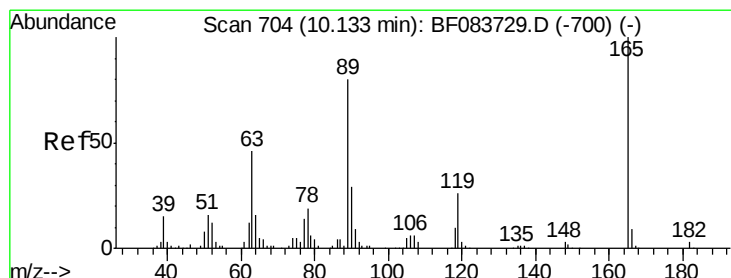
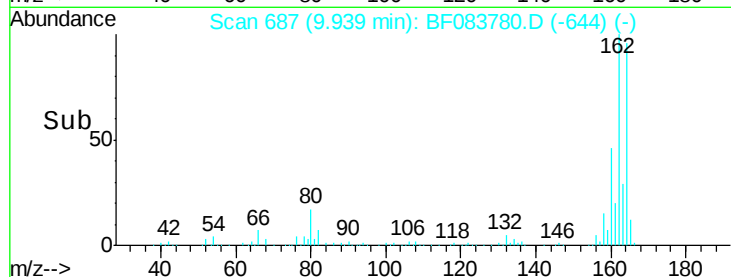
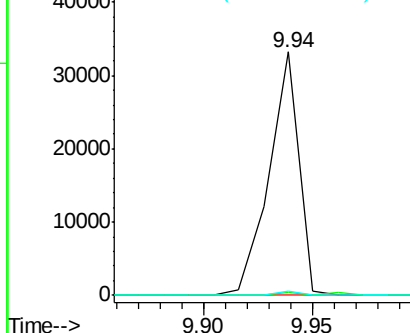
#50
 2,6-Dinitrotoluene
 Concen: 7.82 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.19 min
 Lab File: BF083780.D
 Acq: 14 Dec 2015 20:30

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

Tgt Ion:165 Resp: 32098
 Ion Ratio Lower Upper
 165 100
 63 1.4 56.9 85.3#
 89 1.7 52.1 78.1#



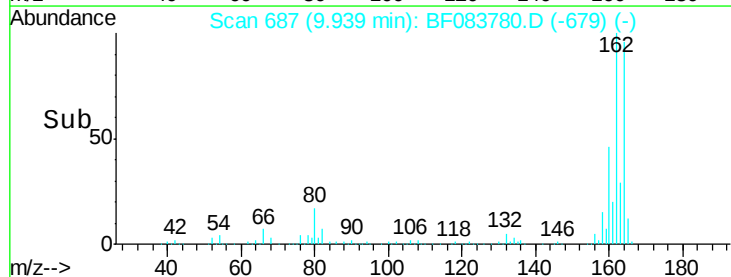
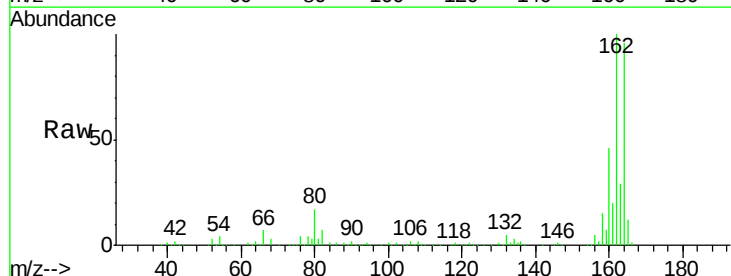
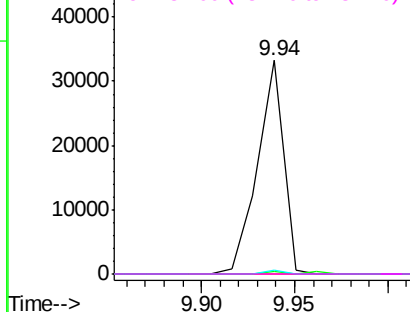
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

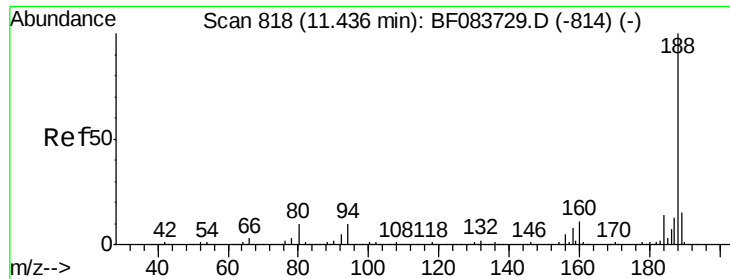


#56
 2,4-Dinitrotoluene
 Concen: 5.99 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.21 min
 Lab File: BF083780.D
 Acq: 14 Dec 2015 20:30

Tgt Ion:165 Resp: 32099
 Ion Ratio Lower Upper
 165 100
 63 1.4 51.4 77.2#
 89 1.7 72.6 108.8#
 182 0.0 1.4 2.0#

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

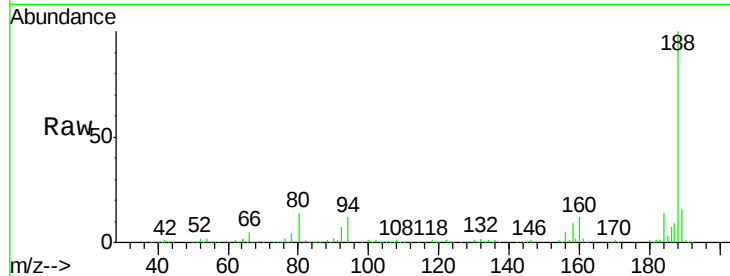




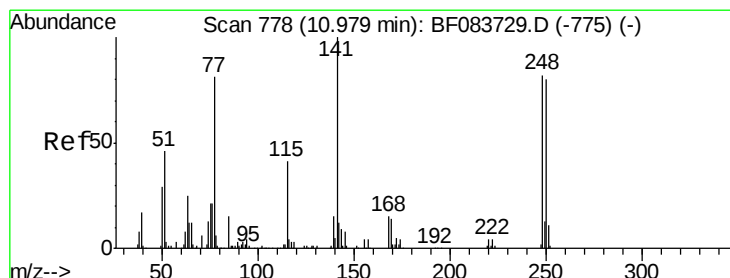
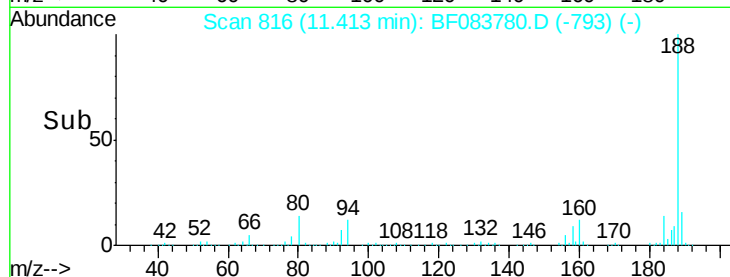
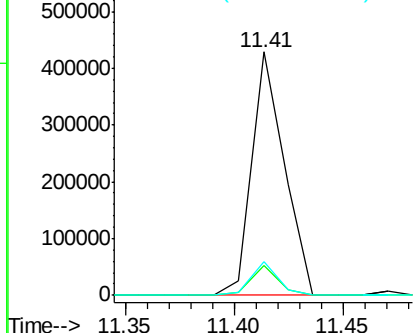
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.03 min
 Lab File: BF083780.D
 Acq: 14 Dec 2015 20:30

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

Tgt Ion:188 Resp: 445605
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.4 14.2
 80 14.0 10.6 16.0

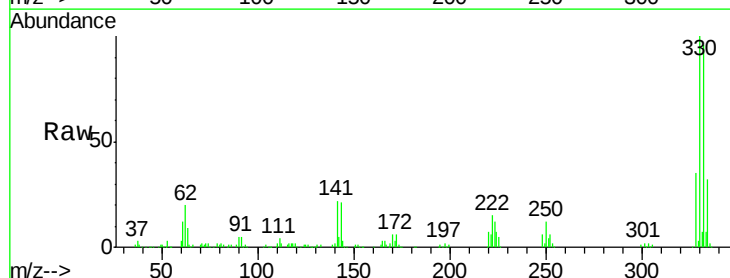


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

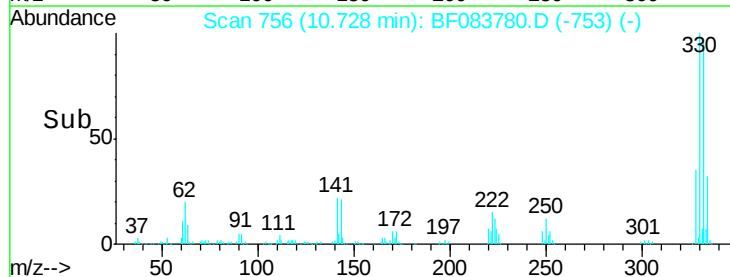
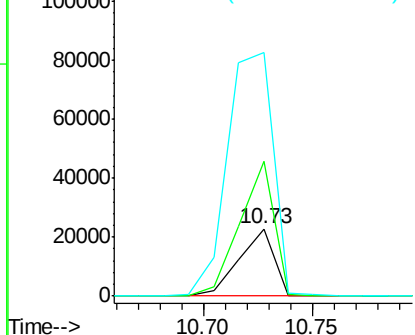


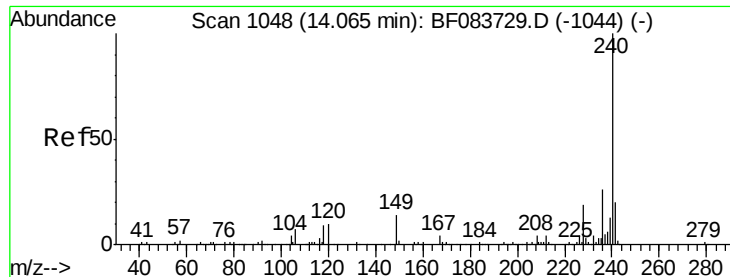
#66
 4-Bromophenyl-phenylether
 Concen: 5.10 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.26 min
 Lab File: BF083780.D
 Acq: 14 Dec 2015 20:30

Tgt Ion:248 Resp: 25402
 Ion Ratio Lower Upper
 248 100
 250 200.1 79.2 118.8#
 141 361.6 58.2 87.4#



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: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

Instrument :

BNA_F

ClientSampleId :

WC121015-SOIL-POPH

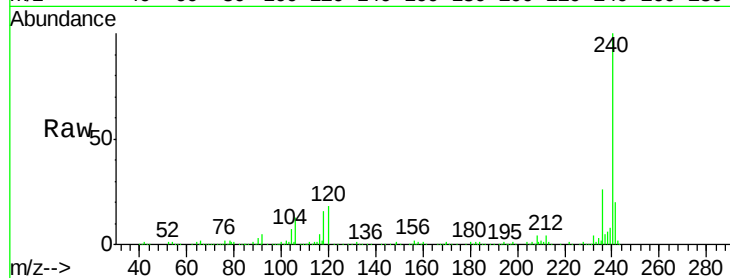
Tgt Ion:240 Resp: 407486

Ion Ratio Lower Upper

240 100

120 18.1 8.1 12.1#

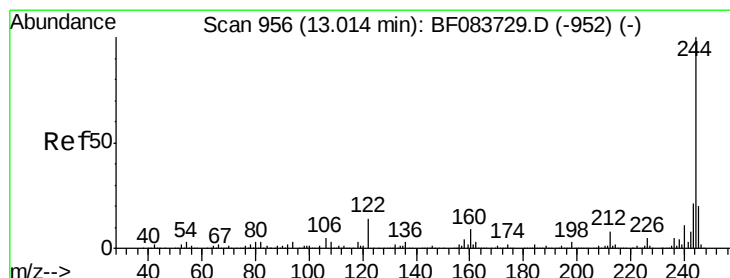
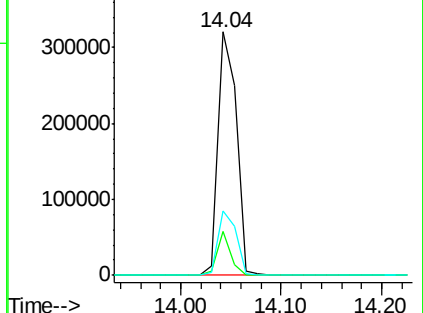
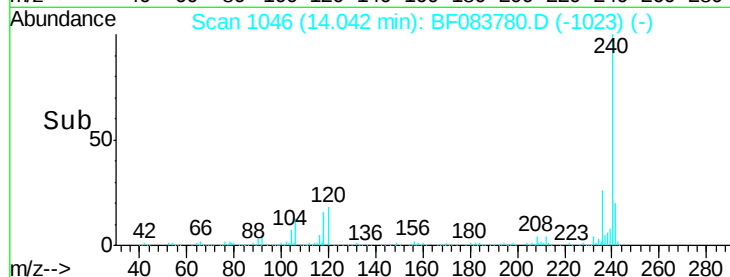
236 26.4 20.8 31.2



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: 70.38 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083780.D

Acq: 14 Dec 2015 20:30

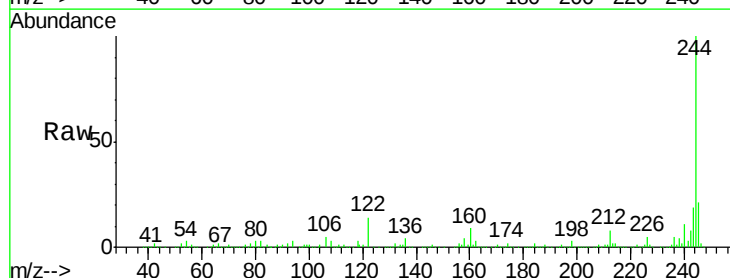
Tgt Ion:244 Resp: 1333336

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

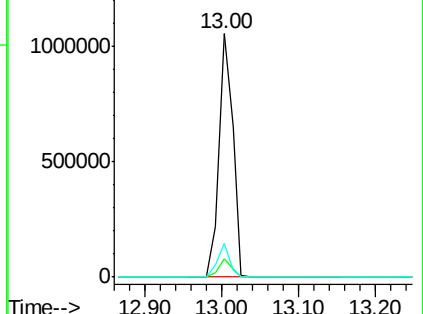
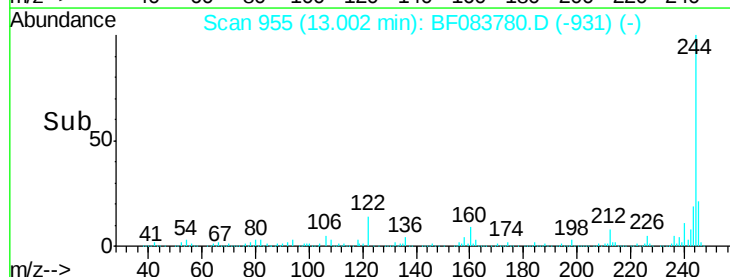
122 13.8 11.0 16.6

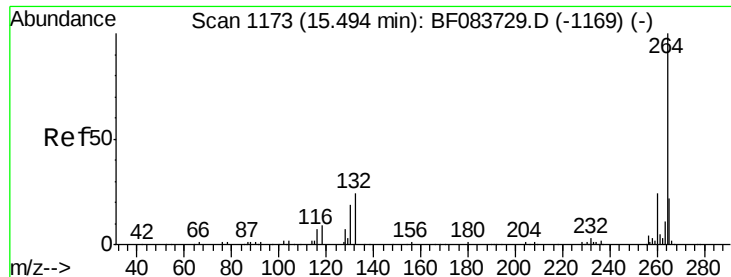


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

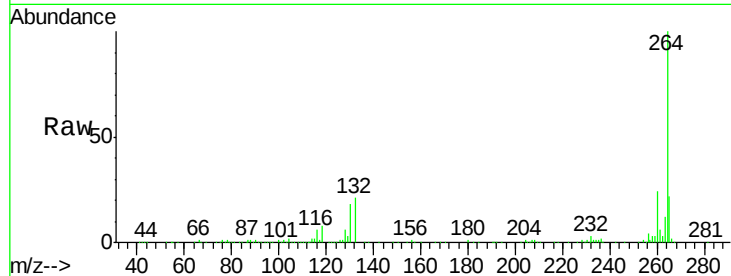




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083780.D
Acq: 14 Dec 2015 20:30

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	21.7	17.8	26.6



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

