

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
 Data File : BF080769.D
 Acq On : 1 Aug 2015 9:13
 Operator : TP/UM
 Sample : G3130-02
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Quant Time: Aug 03 01:03:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

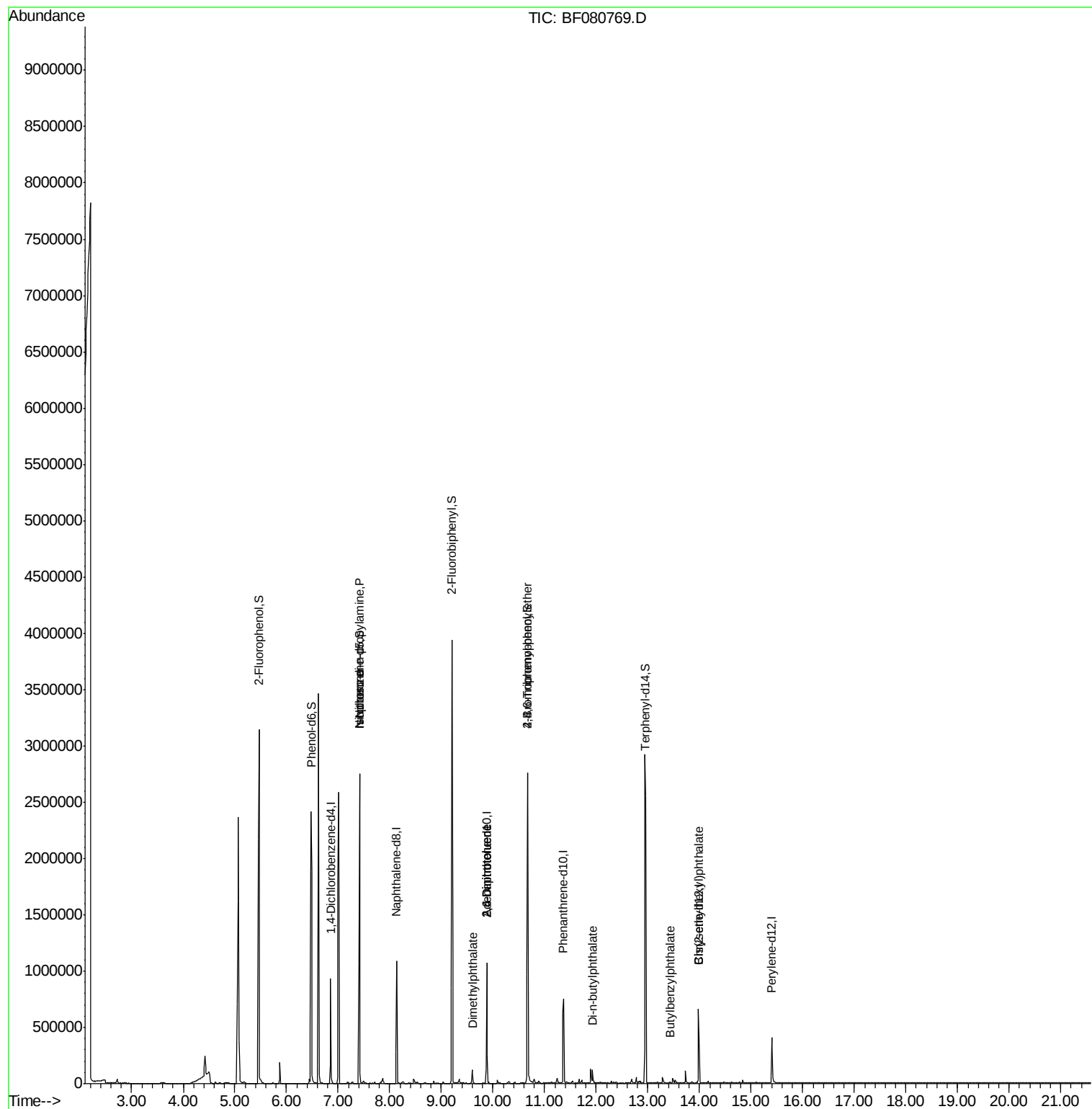
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	117756	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	440107	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	206489	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	383246	20.00	ng	0.00
75) Chrysene-d12	13.99	240	239536	20.00	ng	-0.01
86) Perylene-d12	15.40	264	239753	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	943363	137.43	ng	0.02
7) Phenol-d6	6.48	99	1089417	116.58	ng	-0.01
23) Nitrobenzene-d5	7.41	82	866546	95.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	336390	157.00	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1321606	95.49	ng	-0.01
78) Terphenyl-d14	12.96	244	1347690	106.41	ng	0.00
Target Compounds						
9) Benzaldehyde	6.48	77	1734	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	123209	19.58	ng	# 76
25) Isophorone	7.41	82	857037	53.03	ng	# 71
49) Dimethylphthalate	9.61	163	66724	4.59	ng	# 94
50) 2,6-Dinitrotoluene	9.88	165	26060	8.44	ng	# 15
56) 2,4-Dinitrotoluene	9.88	165	26061	6.44	ng	# 17
66) 4-Bromophenyl-phenylether	10.67	248	23776	6.01	ng	# 1
73) Di-n-butylphthalate	11.93	149	52001	2.55	ng	# 98
79) Butylbenzylphthalate	13.42	149	2585	2.00	ng	# 74
83) Bis(2-ethylhexyl)phthalate	13.99	149	22766	2.46	ng	# 97

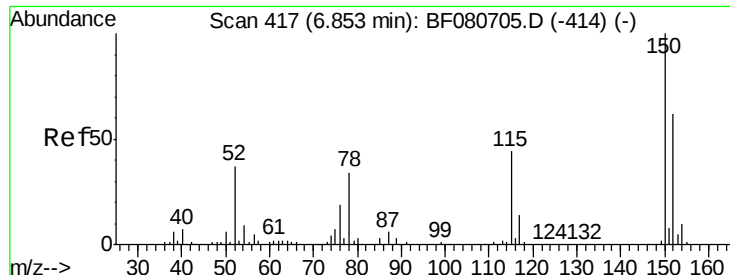
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

Instrument :

BNA_F

ClientSampleId :

SOIL-3

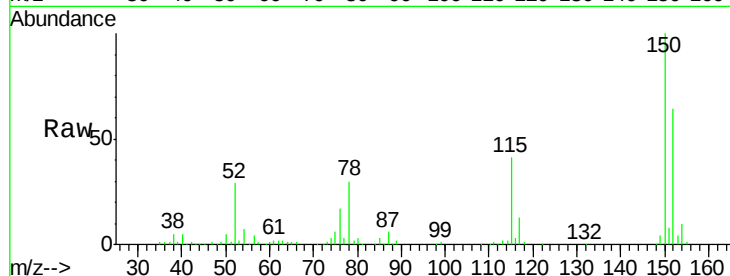
Tgt Ion:152 Resp: 117756

Ion Ratio Lower Upper

152 100

150 155.5 129.6 194.4

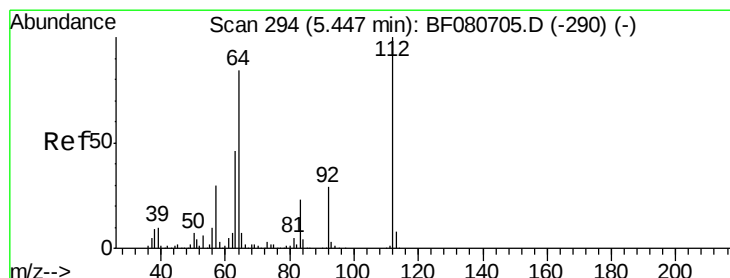
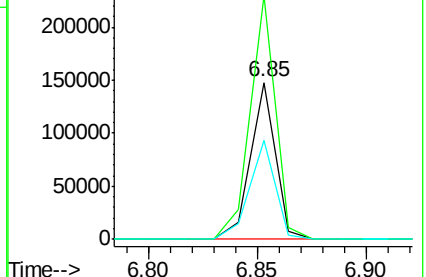
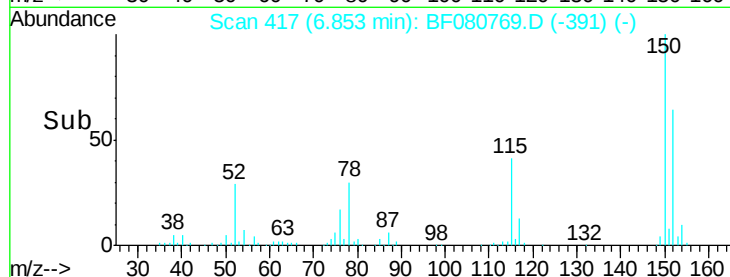
115 63.5 56.6 85.0



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: 137.43 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.02 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

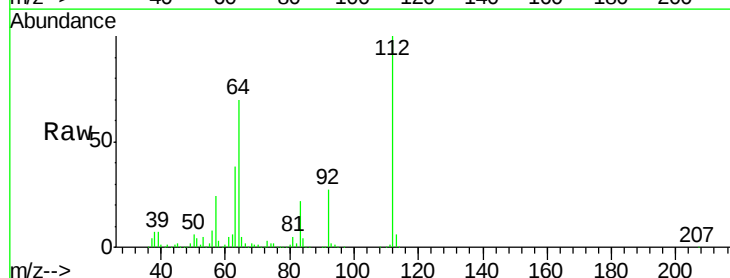
Tgt Ion:112 Resp: 943363

Ion Ratio Lower Upper

112 100

64 69.8 66.8 100.2

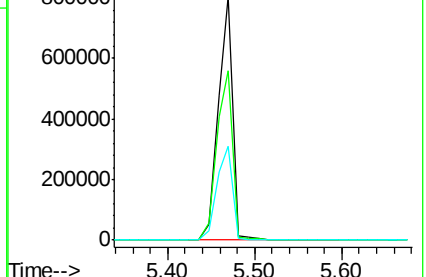
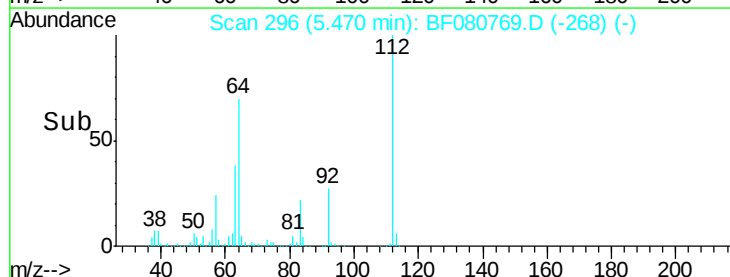
63 38.4 36.7 55.1

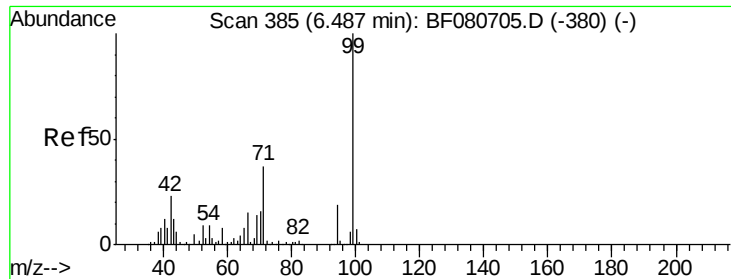


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.58 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

Instrument :

BNA_F

ClientSampled :

SOIL-3

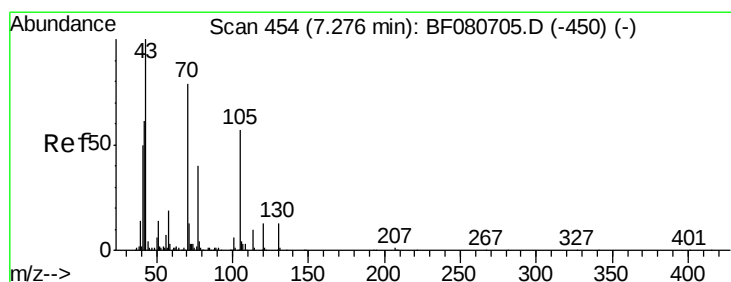
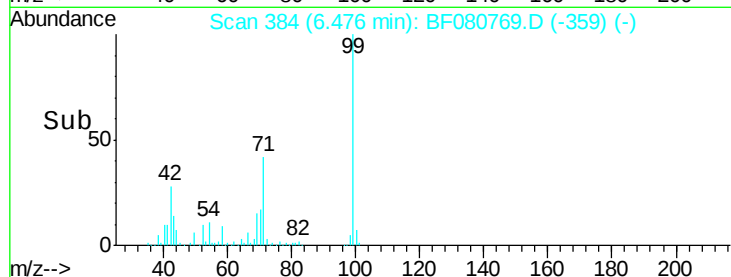
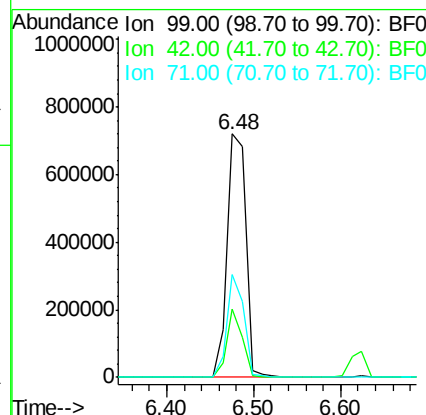
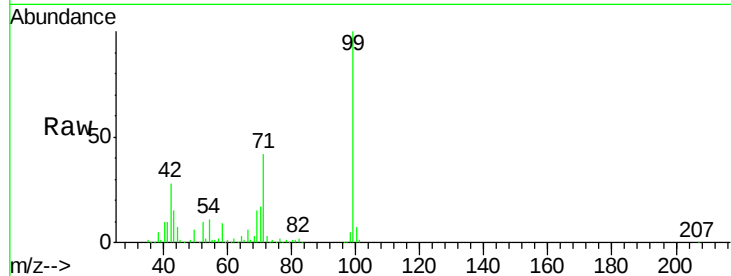
Tgt Ion: 99 Resp: 1089417

Ion Ratio Lower Upper

99 100

42 28.3 18.2 27.2#

71 42.1 29.5 44.3



#19

n-Nitroso-di-n-propylamine

Concen: 19.58 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

Tgt Ion: 70 Resp: 123209

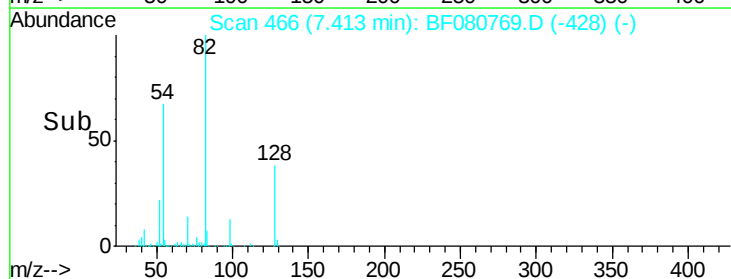
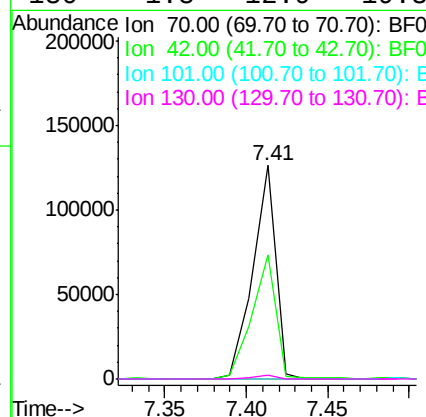
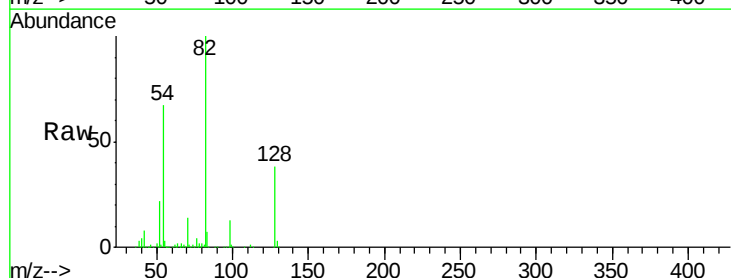
Ion Ratio Lower Upper

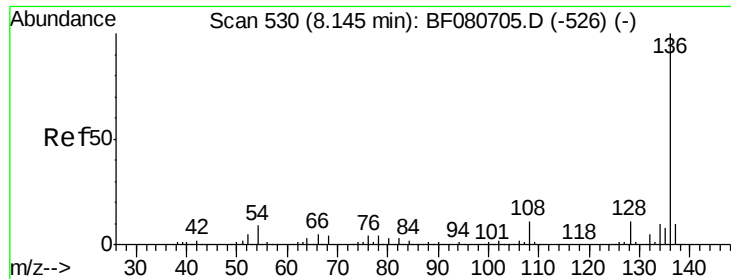
70 100

42 57.9 61.8 92.6#

101 0.0 6.1 9.1#

130 1.8 12.9 19.3#

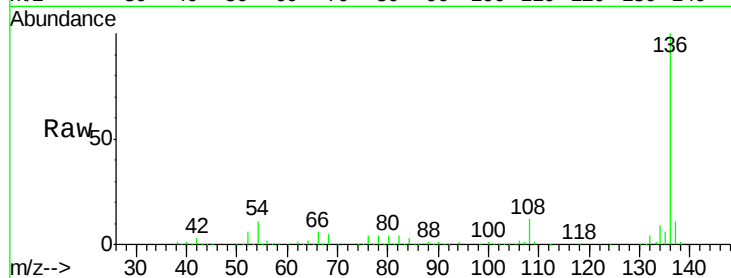




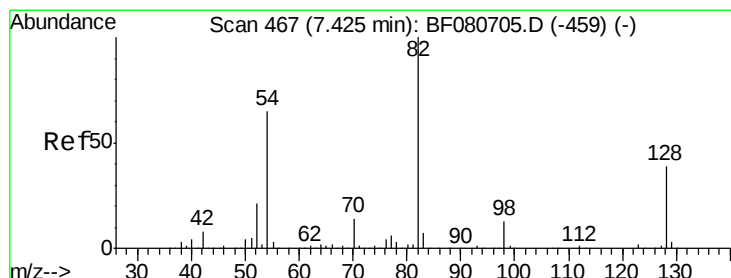
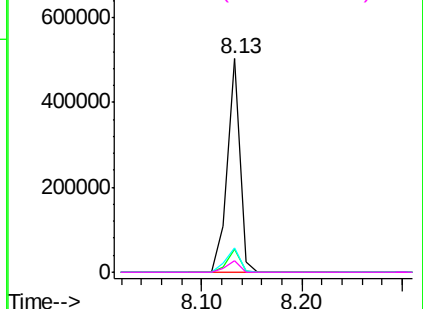
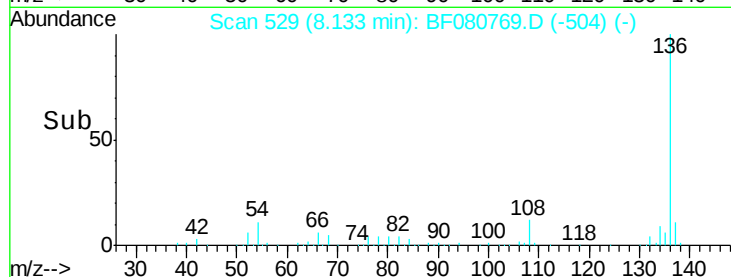
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF080769.D
Acq: 1 Aug 2015 9:13

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion:	136	Resp:	440107
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.4	12.6
54	11.3	6.9	10.3#
68	5.1	3.5	5.3

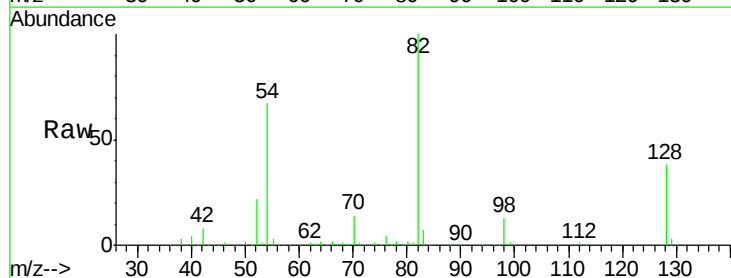


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

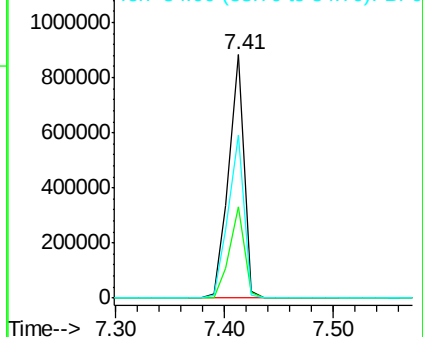
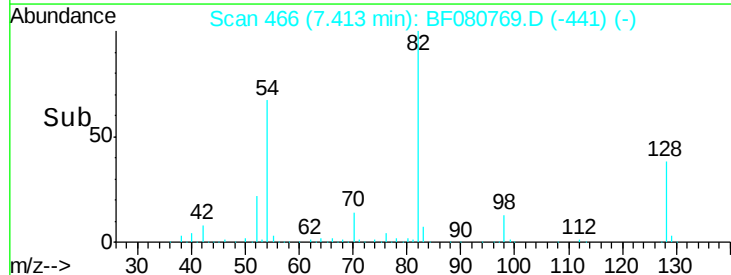


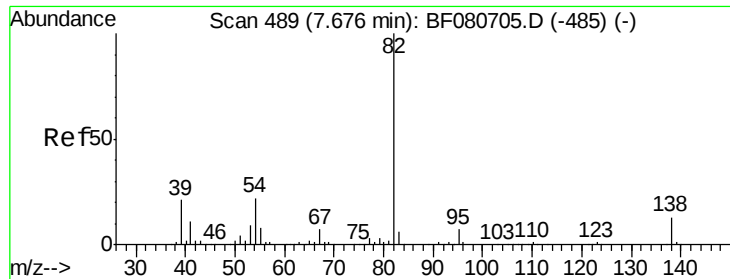
#23
Nitrobenzene-d5
Concen: 95.35 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080769.D
Acq: 1 Aug 2015 9:13

Tgt Ion:	82	Resp:	866546
Ion Ratio	Lower	Upper	
82	100		
128	37.7	31.5	47.3
54	67.1	51.8	77.8



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





#25

Isophorone

Concen: 53.03 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

Instrument :

BNA_F

ClientSampled :

SOIL-3

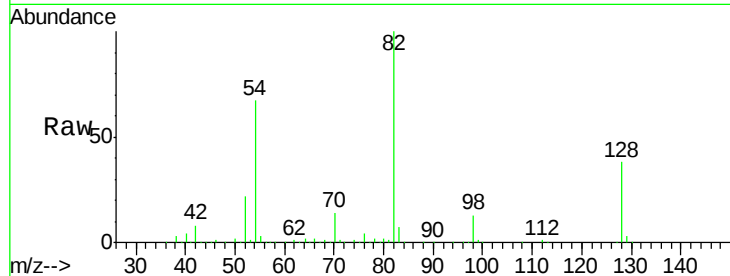
Tgt Ion: 82 Resp: 857037

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 10.7 16.1#

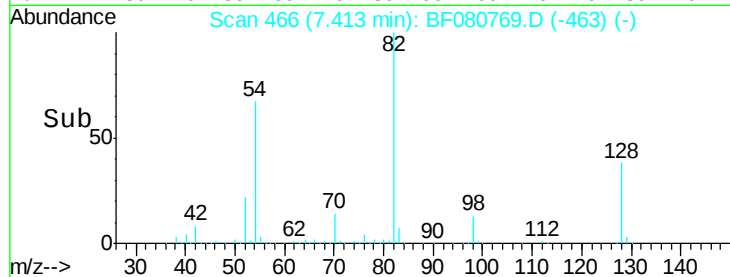


Abundance Ion 82.00 (81.70 to 82.70): BF080705.D (-485) (-)

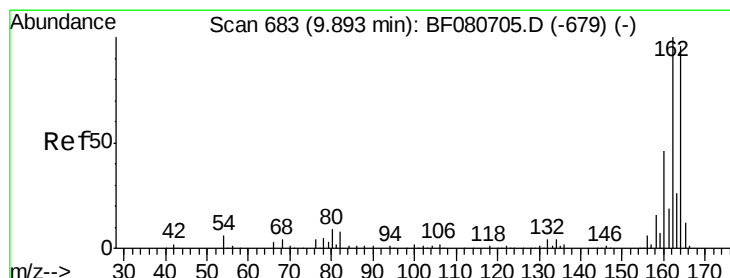
Ion 95.00 (94.70 to 95.70): BF080705.D (-485) (-)

Ion 138.00 (137.70 to 138.70): BF080705.D (-485) (-)

Time-->



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

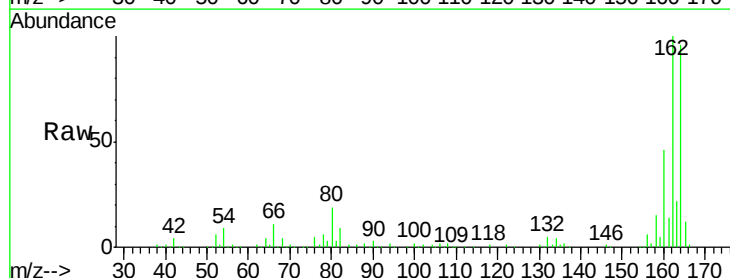
Tgt Ion: 164 Resp: 206489

Ion Ratio Lower Upper

164 100

162 103.8 83.4 125.0

160 47.5 38.0 57.0

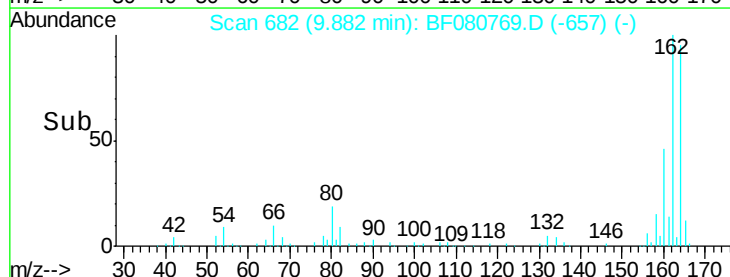


Abundance Ion 164.00 (163.70 to 164.70): BF080705.D (-679) (-)

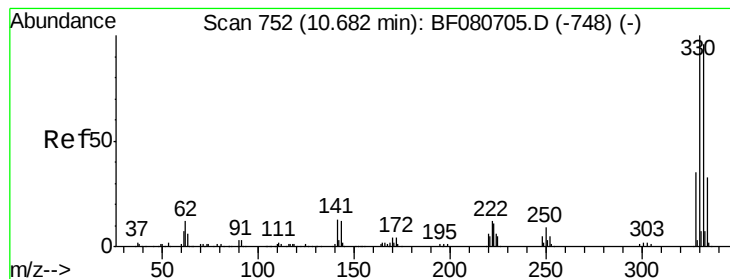
Ion 162.00 (161.70 to 162.70): BF080705.D (-679) (-)

Ion 160.00 (159.70 to 160.70): BF080705.D (-679) (-)

Time-->



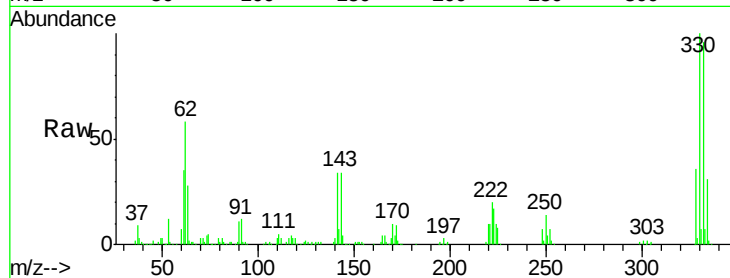
Time-->



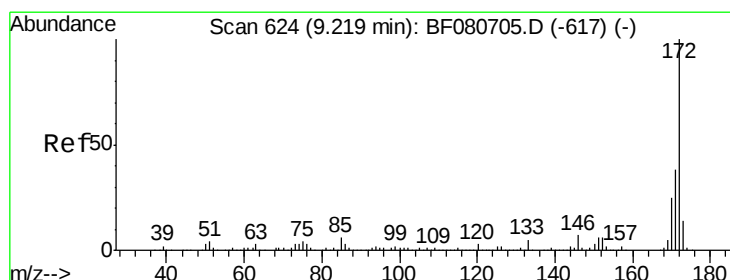
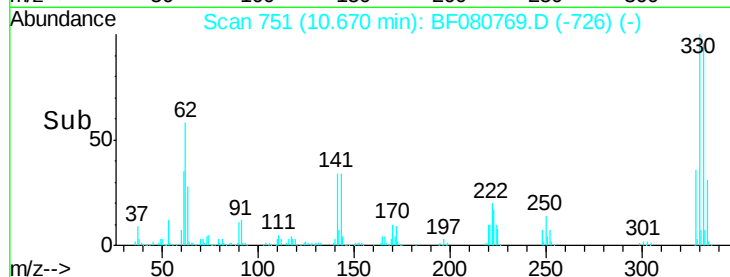
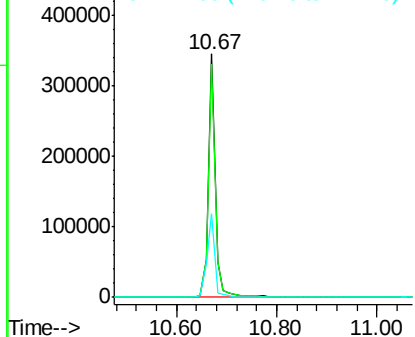
#41
 2,4,6-Tribromophenol
 Concen: 157.00 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080769.D
 Acq: 1 Aug 2015 9:13

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	38.2	26.0	39.0

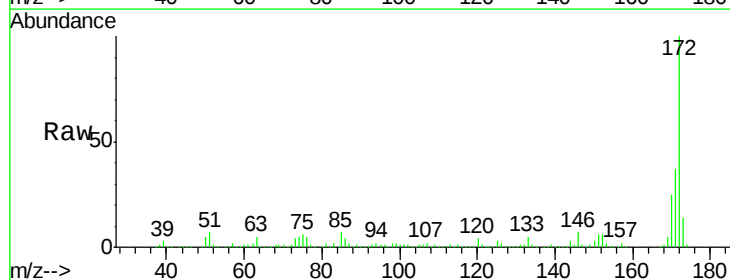


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

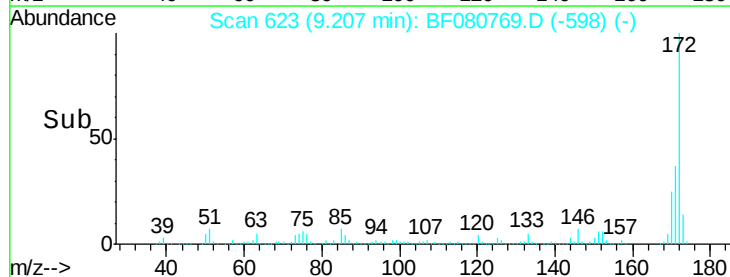
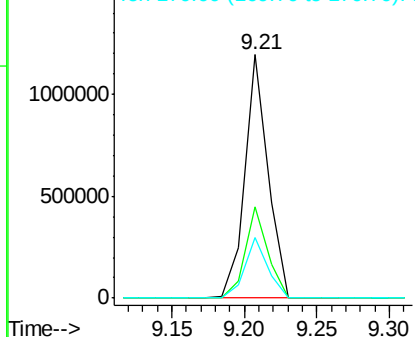


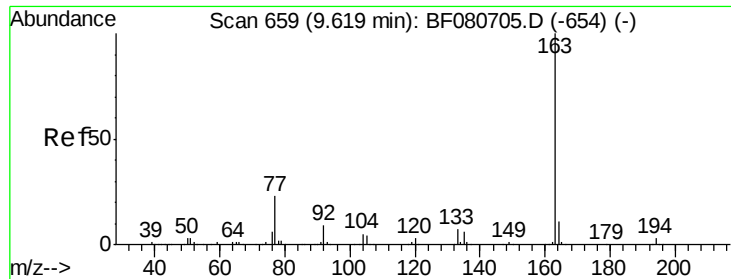
#44
 2-Fluorobiphenyl
 Concen: 95.49 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF080769.D
 Acq: 1 Aug 2015 9:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.2	45.4
170	25.0	20.2	30.2



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

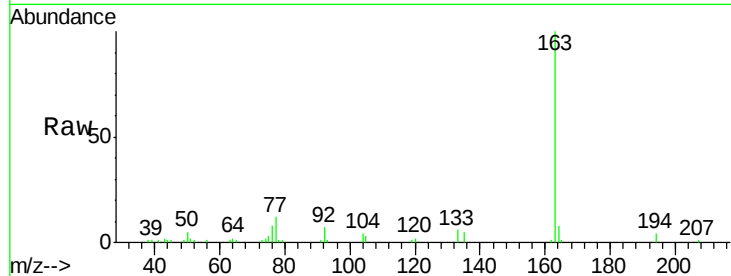




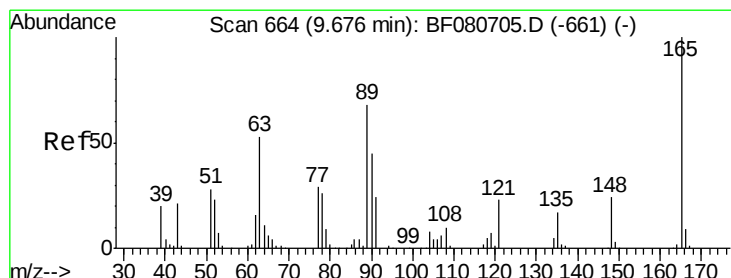
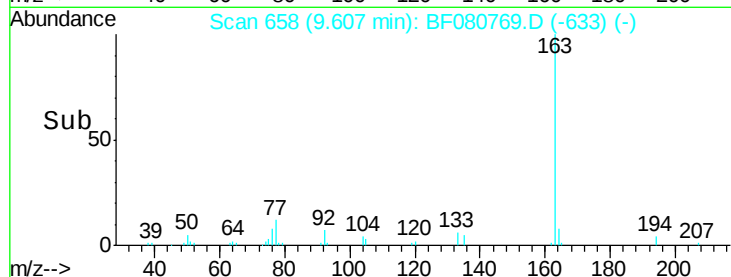
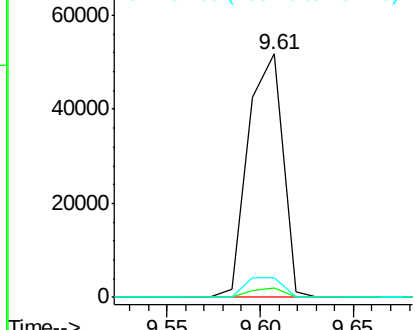
#49
Dimethylphthalate
Concen: 4.59 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF080769.D
Acq: 1 Aug 2015 9:13

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion:163 Resp: 66724
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 8.2 8.7 13.1#

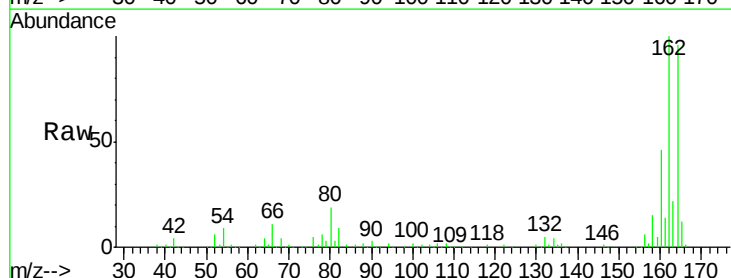


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

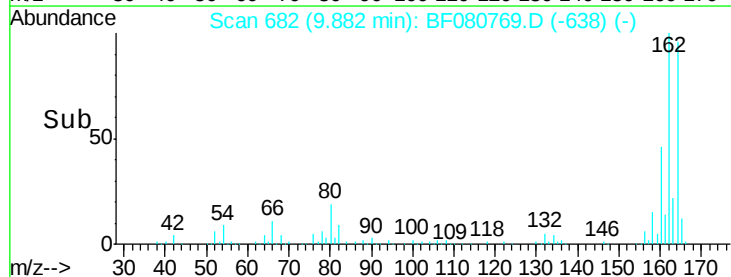
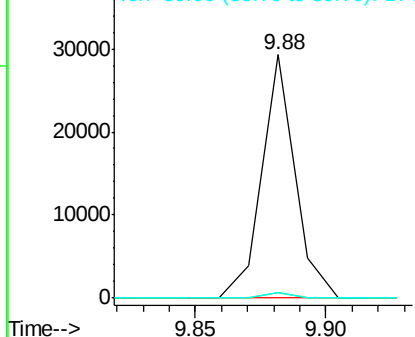


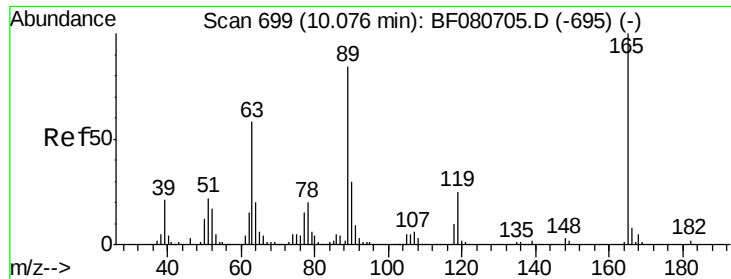
#50
2,6-Dinitrotoluene
Concen: 8.44 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.21 min
Lab File: BF080769.D
Acq: 1 Aug 2015 9:13

Tgt Ion:165 Resp: 26060
Ion Ratio Lower Upper
165 100
63 2.1 62.3 93.5#
89 2.4 54.8 82.2#



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

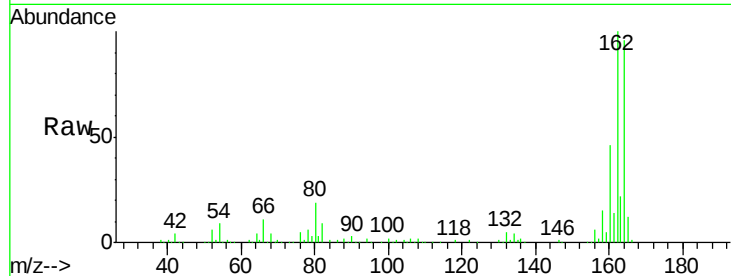




#56
 2,4-Dinitrotoluene
 Concen: 6.44 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.19 min
 Lab File: BF080769.D
 Acq: 1 Aug 2015 9:13

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	46.7	70.1#
89	2.4	67.4	101.2#
182	0.0	1.8	2.6#

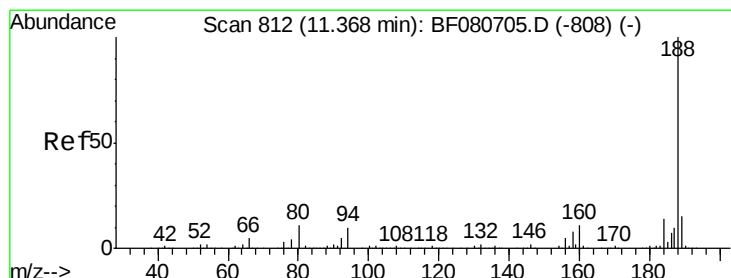
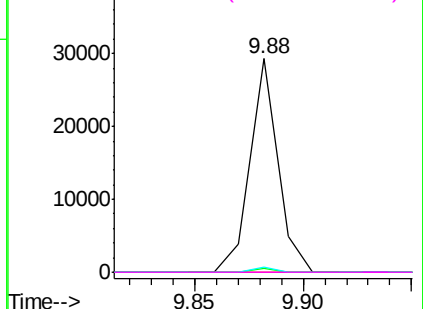
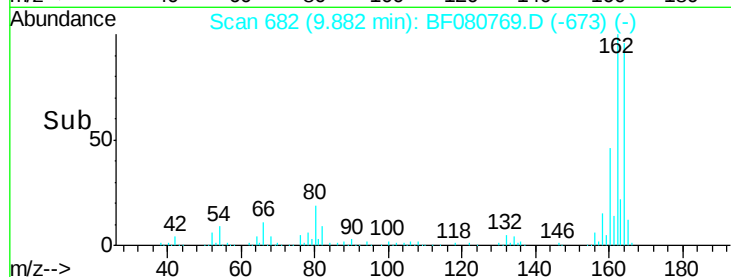


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

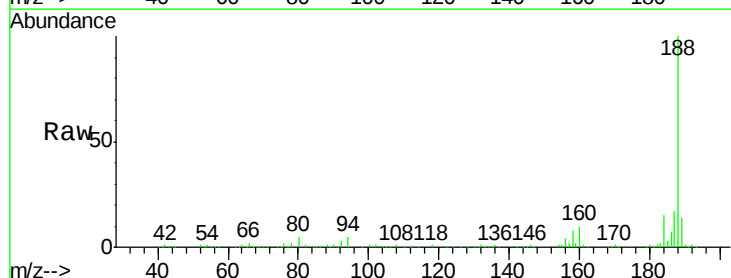
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF080769.D
 Acq: 1 Aug 2015 9:13

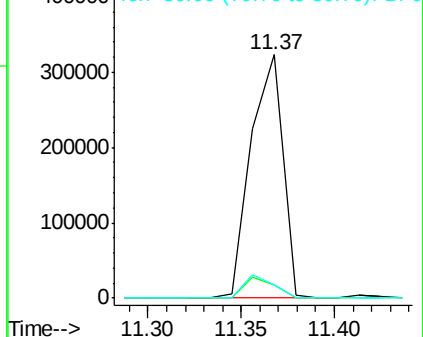
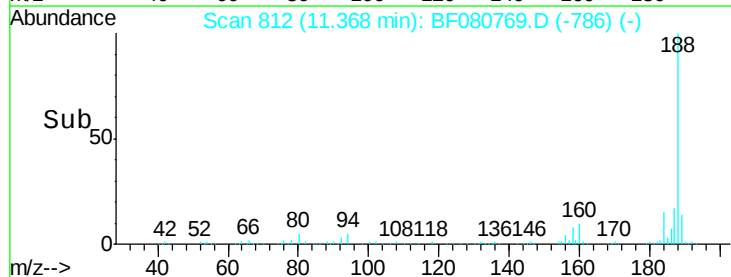
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	8.1	12.1#
80	5.2	9.1	13.7#

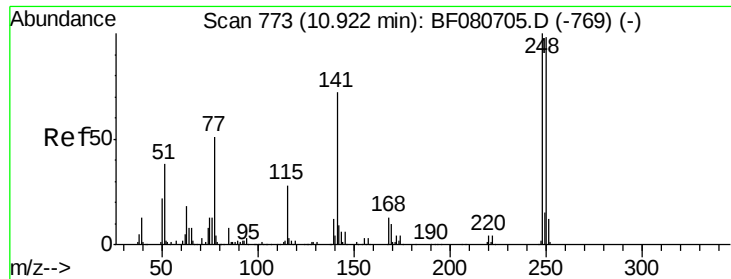


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

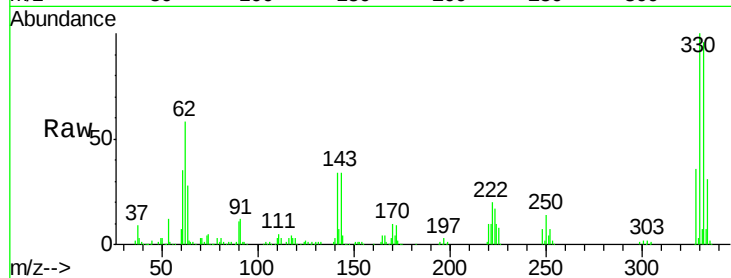




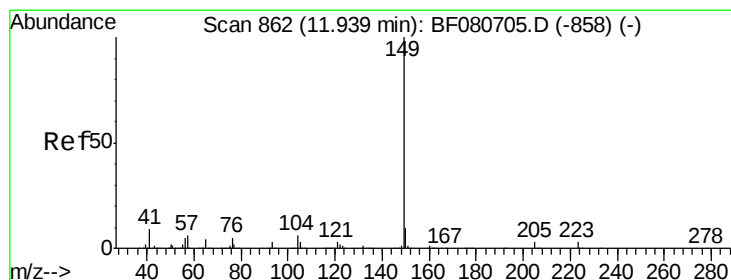
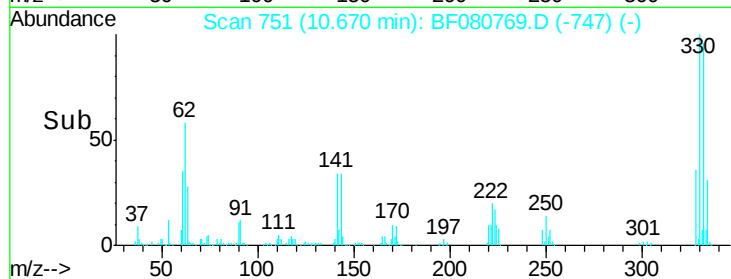
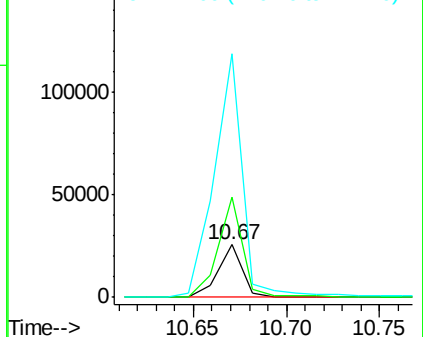
#66
4-Bromophenyl-phenylether
Concen: 6.01 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF080769.D
Acq: 1 Aug 2015 9:13

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion:248 Resp: 23776
Ion Ratio Lower Upper
248 100
250 190.5 78.4 117.6#
141 461.2 57.5 86.3#

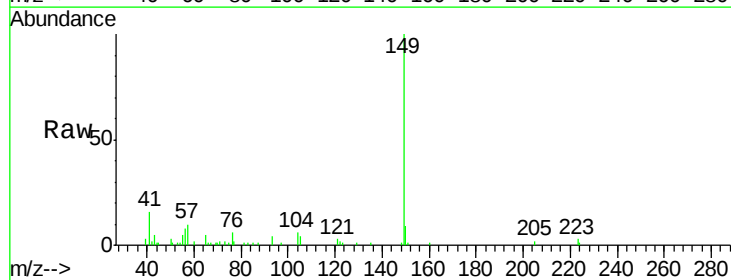


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

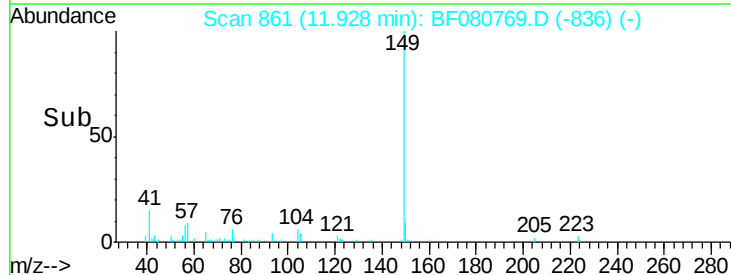
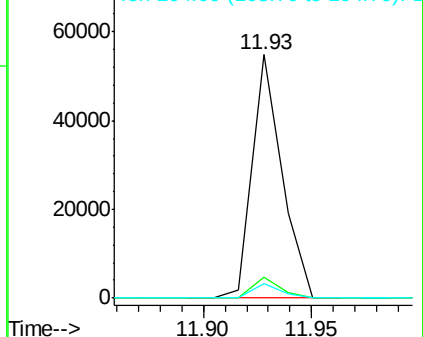


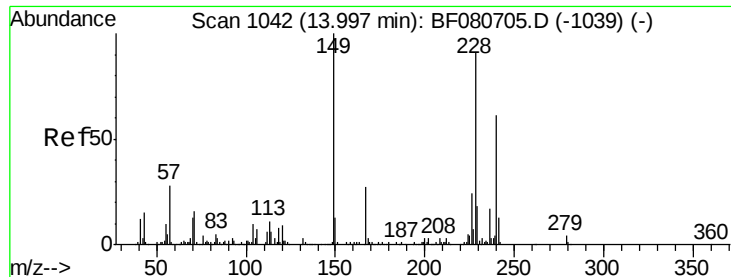
#73
Di-n-butylphthalate
Concen: 2.55 ng
RT: 11.93 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF080769.D
Acq: 1 Aug 2015 9:13

Tgt Ion:149 Resp: 52001
Ion Ratio Lower Upper
149 100
150 8.8 7.6 11.4
104 6.1 4.4 6.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

Instrument :

BNA_F

ClientSampled :

SOIL-3

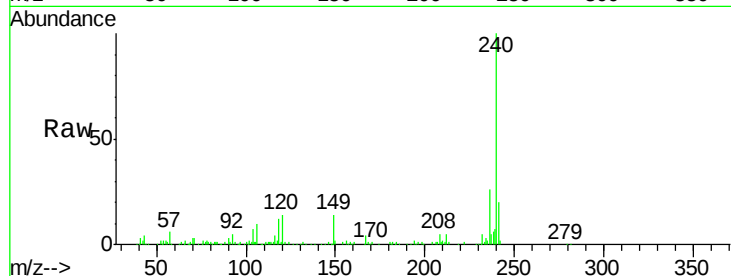
Tgt Ion:240 Resp: 239536

Ion Ratio Lower Upper

240 100

120 14.0 11.8 17.8

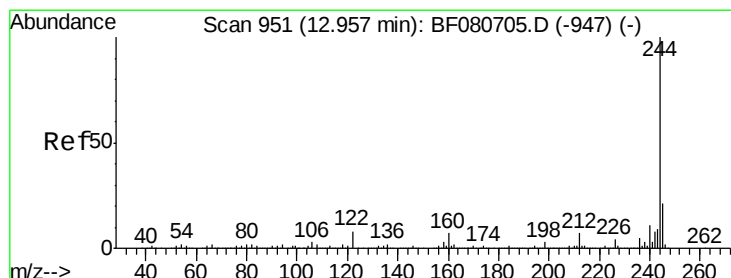
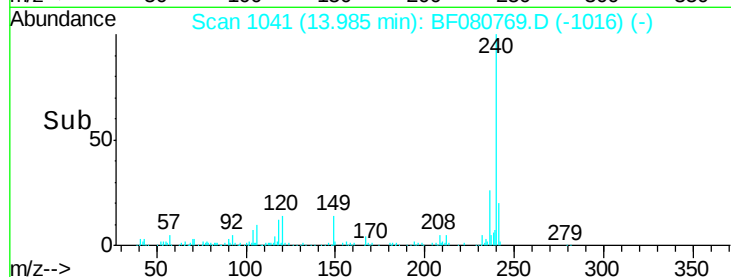
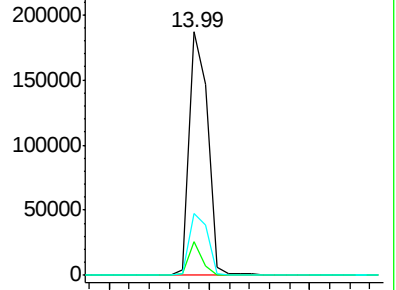
236 25.5 21.8 32.8



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: 106.41 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

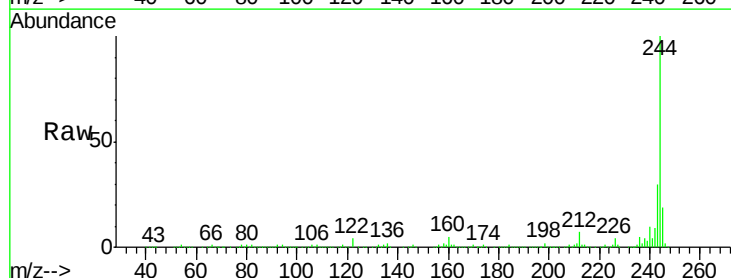
Tgt Ion:244 Resp: 1347690

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

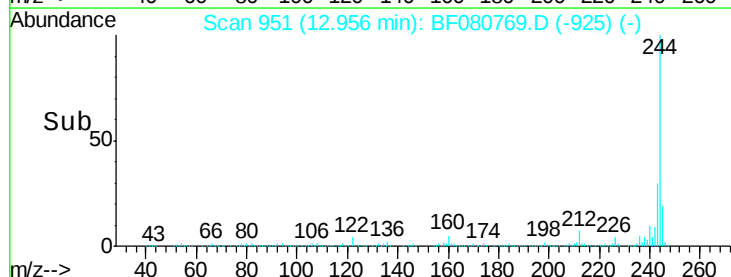
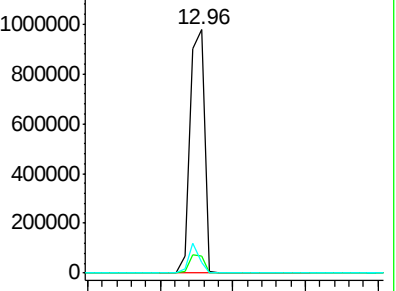
122 4.3 6.6 9.8#

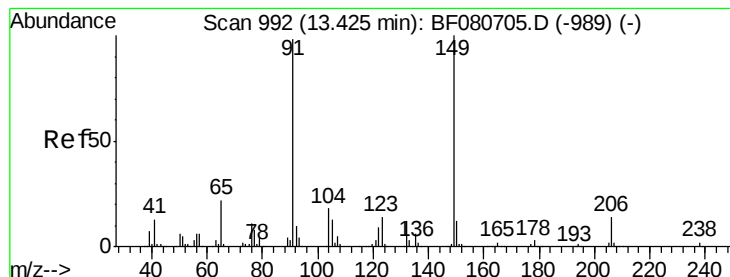


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.00 ng

RT: 13.42 min Scan# 992

Delta R.T. -0.00 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

Instrument :

BNA_F

ClientSampleId :

SOIL-3

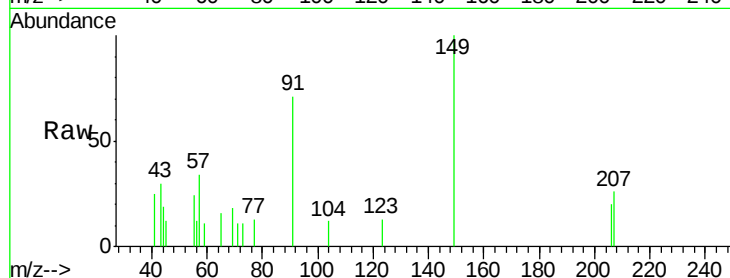
Tgt Ion:149 Resp: 2585

Ion Ratio Lower Upper

149 100

91 70.8 78.6 118.0#

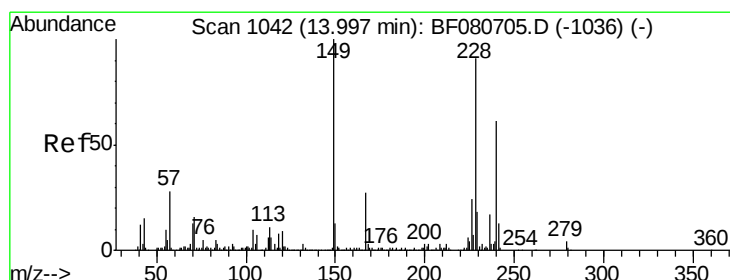
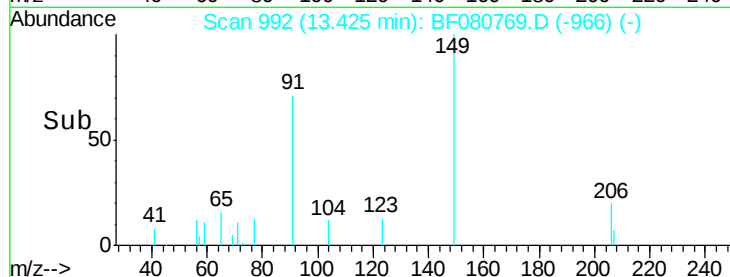
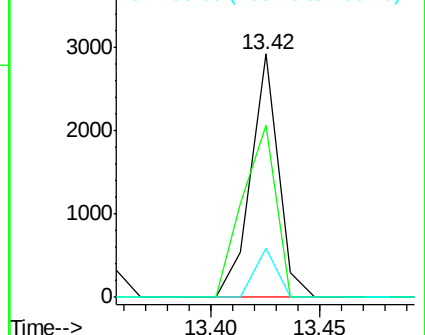
206 20.1 11.4 17.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.46 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF080769.D

Acq: 1 Aug 2015 9:13

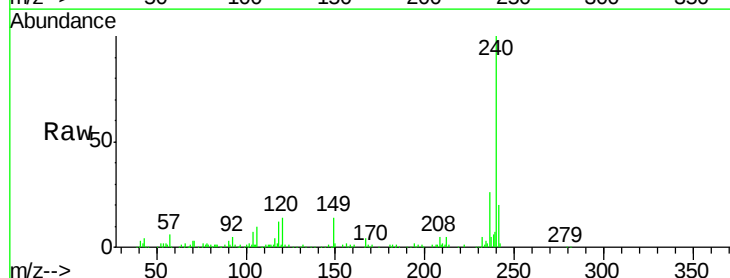
Tgt Ion:149 Resp: 22766

Ion Ratio Lower Upper

149 100

167 25.7 21.8 32.8

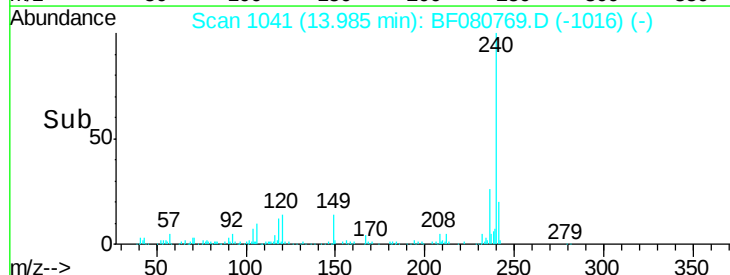
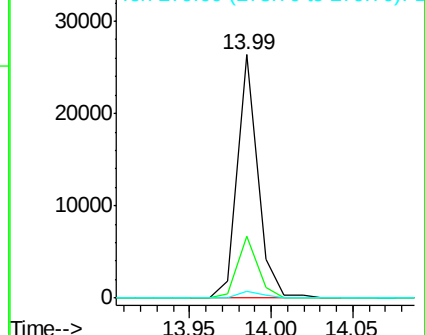
279 2.9 3.4 5.0#

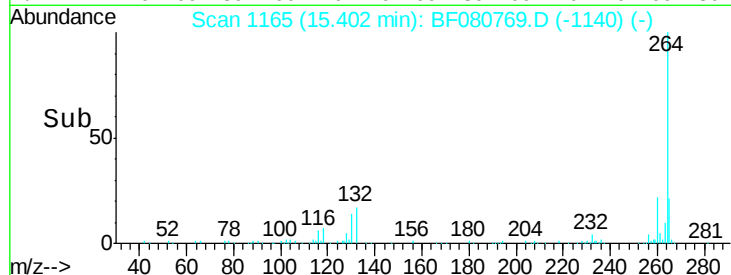
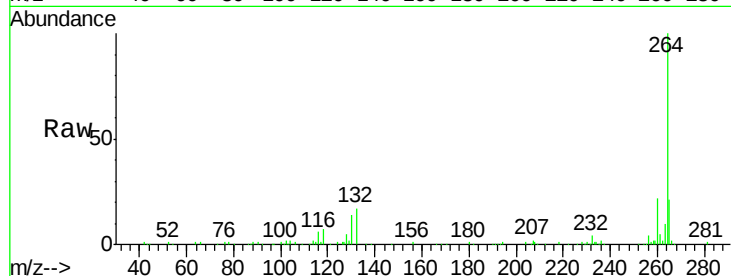
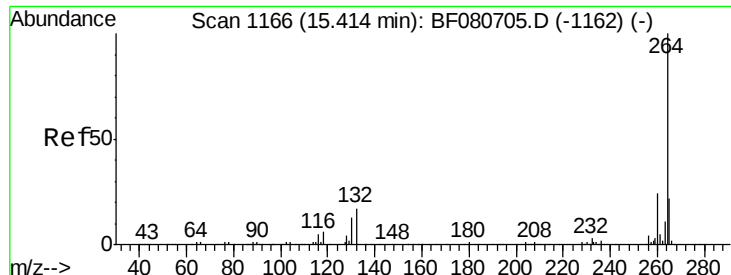


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF080769.D
Acq: 1 Aug 2015 9:13

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion:	264	Resp:	239753
Ion Ratio	Lower	Upper	
264	100		
260	22.3	19.4	29.0
265	21.2	17.3	25.9

