

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
 Data File : BF084773.D
 Acq On : 3 Feb 2016 5:17
 Operator : SJ/IZ
 Sample : H1306-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL02

Quant Time: Feb 03 06:27:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

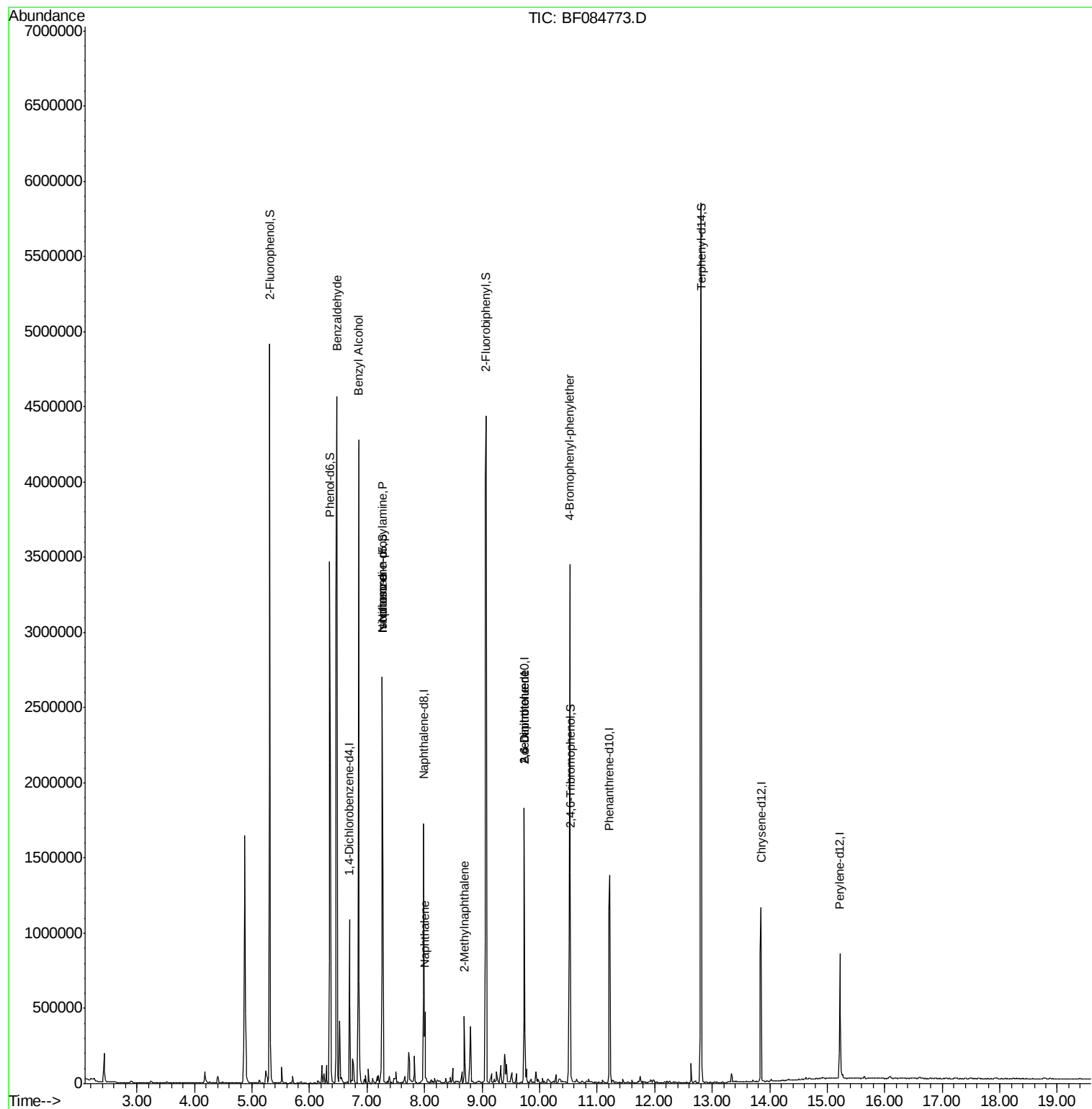
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	178677	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	793396	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	375833	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	717710	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	535780	20.00	ng	-0.02
86) Perylene-d12	15.22	264	394661	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1386501	120.87	ng	0.00
7) Phenol-d6	6.35	99	1614997	113.56	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1127142	80.03	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	531934	135.69	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	2165782	105.62	ng	-0.02
78) Terphenyl-d14	12.81	244	2075202	87.77	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.48	77	36937	4.40	ng	87
15) Benzyl Alcohol	6.85	79	19747	2.01	ng	# 50
19) n-Nitroso-di-n-propylamine	7.26	70	148668	16.68	ng	# 71
25) Isophorone	7.26	82	948584	34.64	ng	# 66
31) Naphthalene	8.01	128	235501	5.92	ng	98
37) 2-Methylnaphthalene	8.69	142	133117	5.34	ng	98
50) 2,6-Dinitrotoluene	9.73	165	50534	8.08	ng	# 38
56) 2,4-Dinitrotoluene	9.73	165	50534	6.34	ng	# 22
66) 4-Bromophenyl-phenylether	10.52	248	30937	3.90	ng	# 1

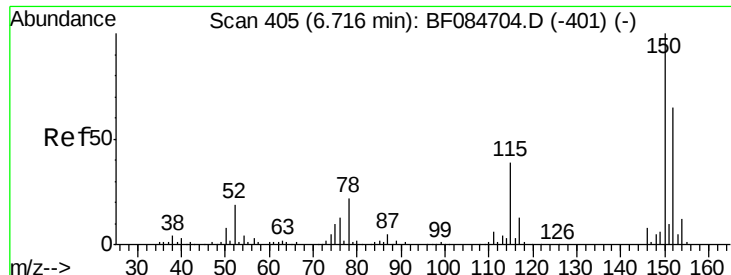
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
Data File : BF084773.D
Acq On : 3 Feb 2016 5:17
Operator : SJ/IZ
Sample : H1306-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL02

Quant Time: Feb 03 06:27:27 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

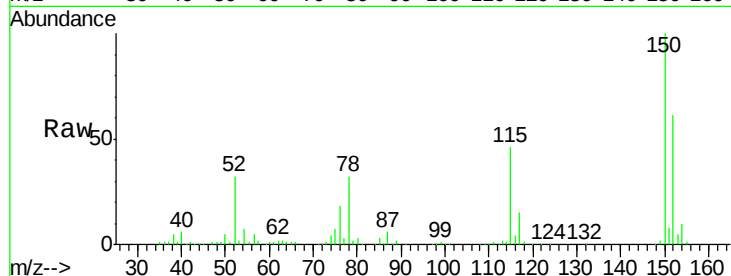
Tgt Ion:152 Resp: 178677

Ion Ratio Lower Upper

152 100

150 164.9 123.0 184.4

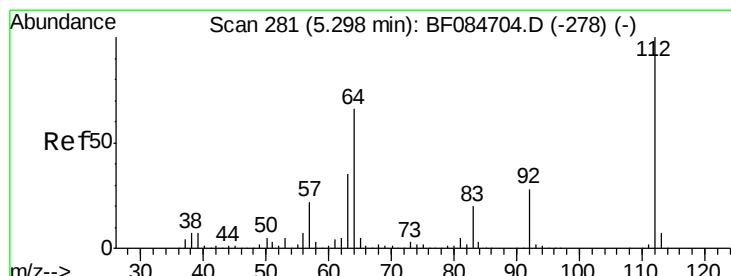
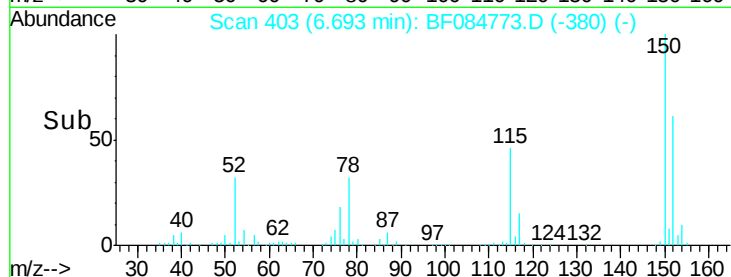
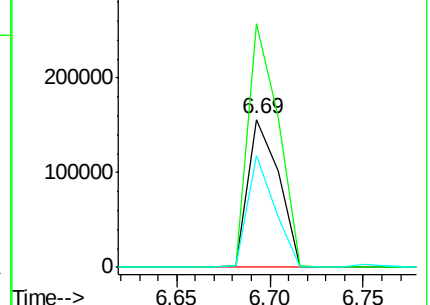
115 76.1 51.4 77.2



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: 120.87 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

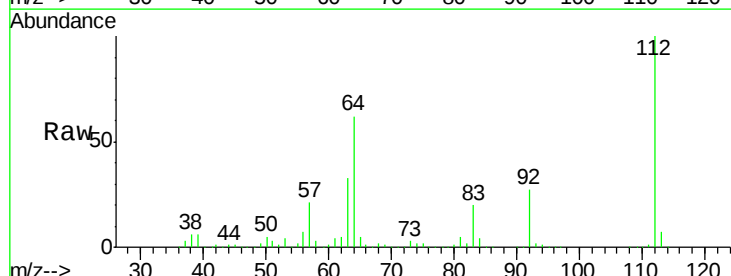
Tgt Ion:112 Resp: 1386501

Ion Ratio Lower Upper

112 100

64 62.4 36.6 55.0#

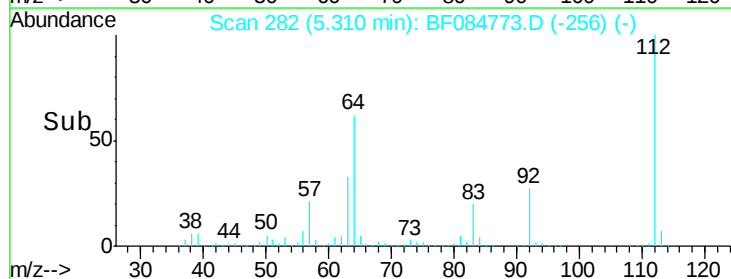
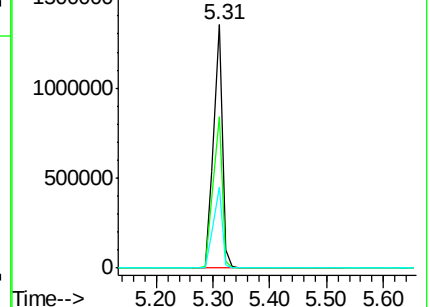
63 33.3 19.4 29.0#

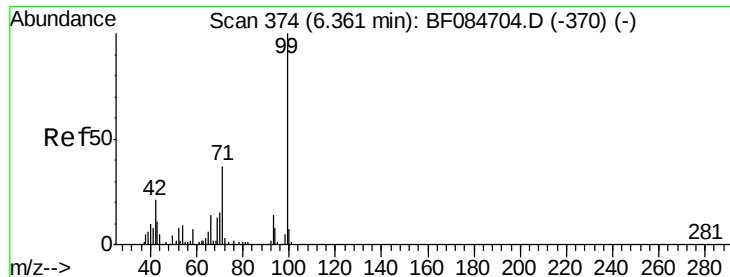


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.56 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

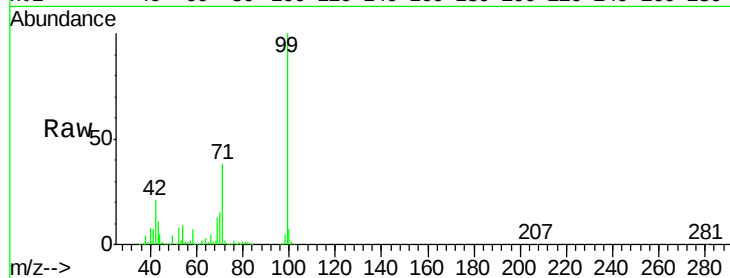
Tgt Ion: 99 Resp: 1614997

Ion Ratio Lower Upper

99 100

42 21.1 12.8 19.2#

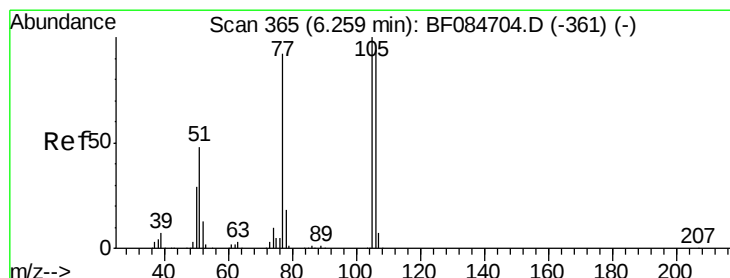
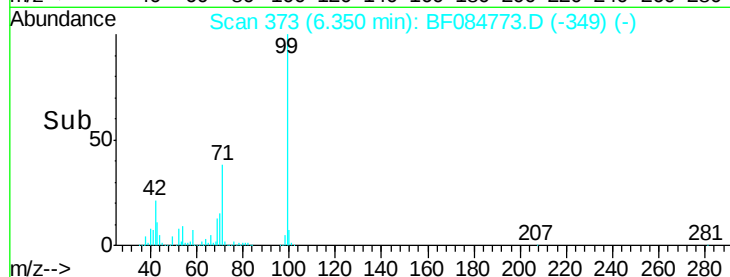
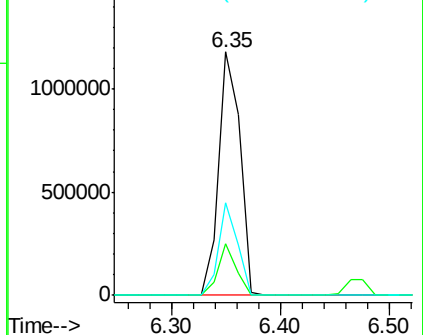
71 38.1 30.9 46.3



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: 4.40 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

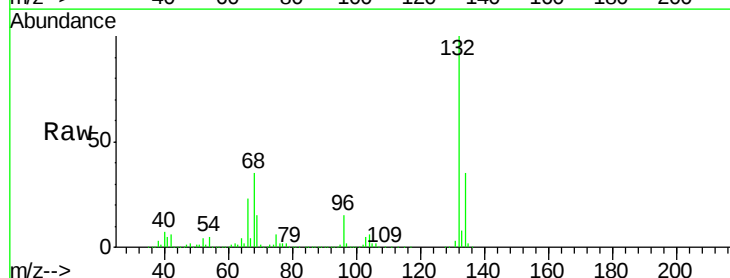
Tgt Ion: 77 Resp: 36937

Ion Ratio Lower Upper

77 100

105 89.8 83.0 123.0

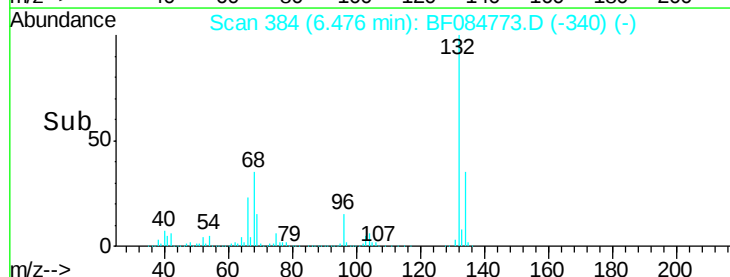
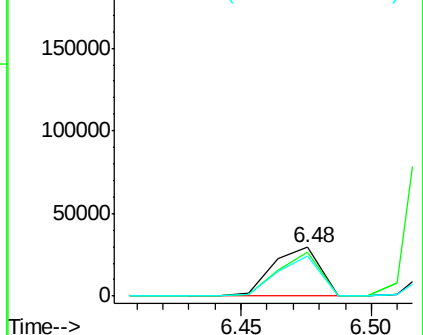
106 81.6 74.6 114.6

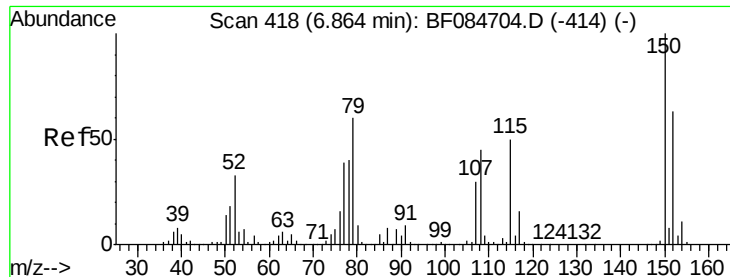


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

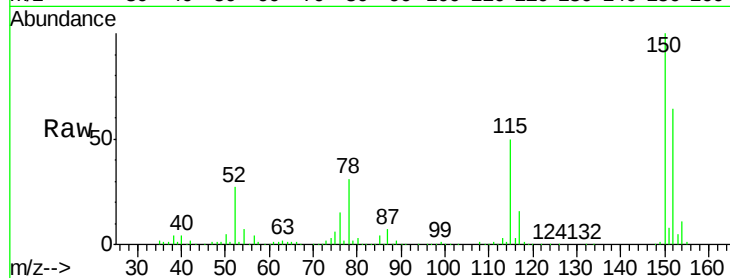
Tgt Ion: 79 Resp: 19747

Ion Ratio Lower Upper

79 100

108 25.4 69.0 103.4#

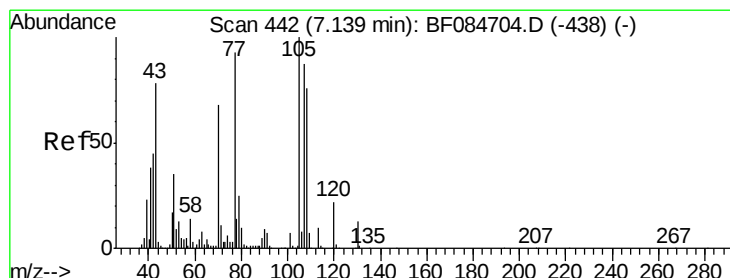
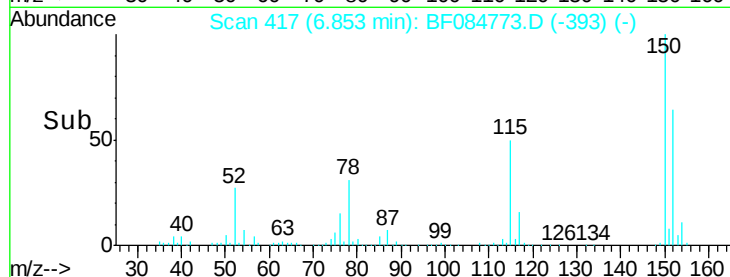
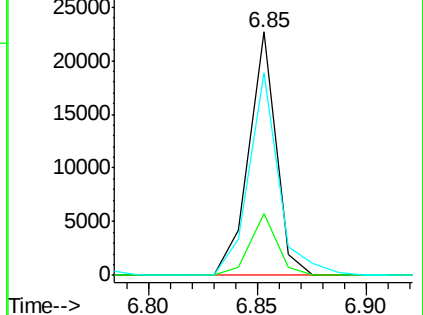
77 83.2 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.68 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

Tgt Ion: 70 Resp: 148668

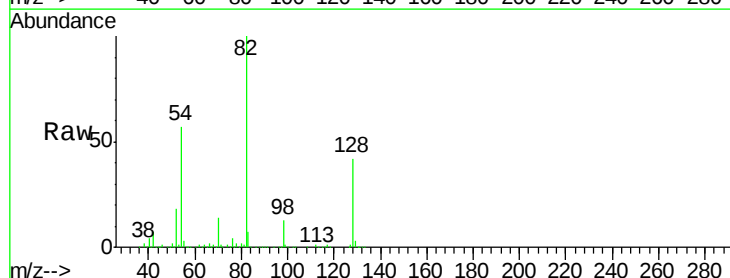
Ion Ratio Lower Upper

70 100

42 49.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

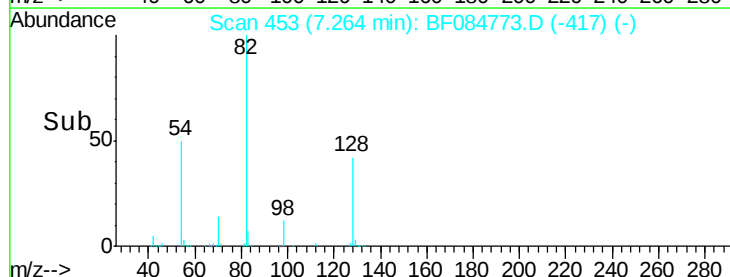
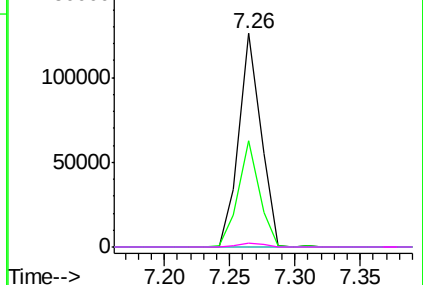


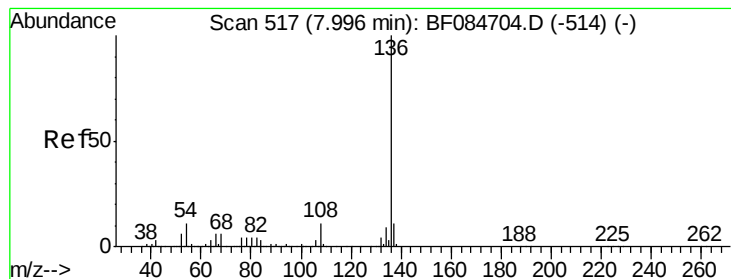
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

Tgt Ion: 136 Resp: 793396

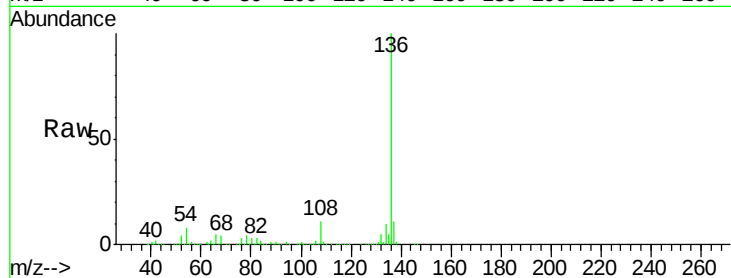
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 8.1 5.8 8.8

68 4.5 4.2 6.2

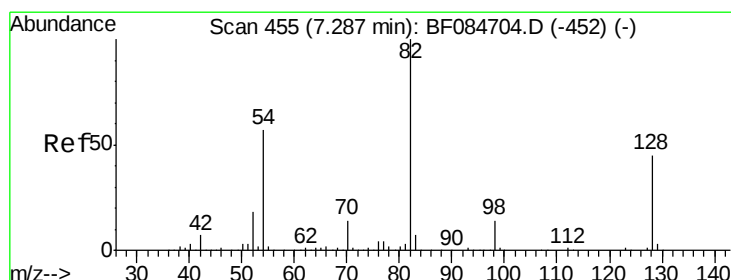
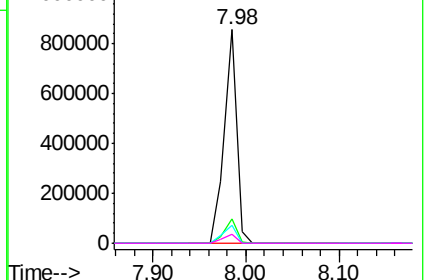
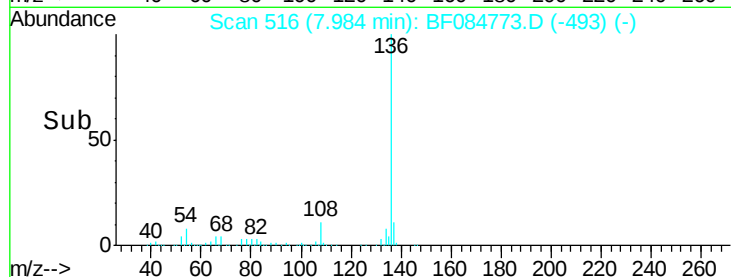


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.03 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

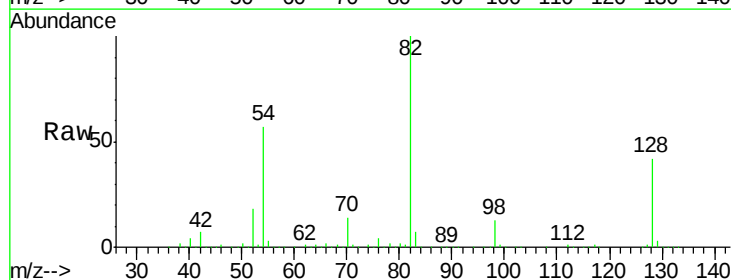
Tgt Ion: 82 Resp: 1127142

Ion Ratio Lower Upper

82 100

128 41.8 34.6 51.8

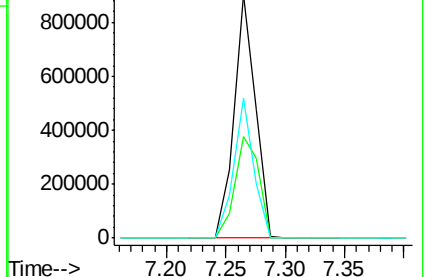
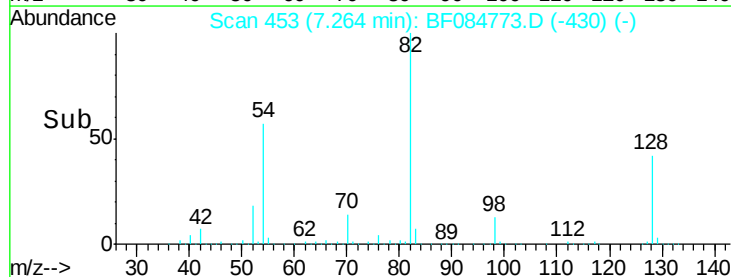
54 57.4 38.4 57.6

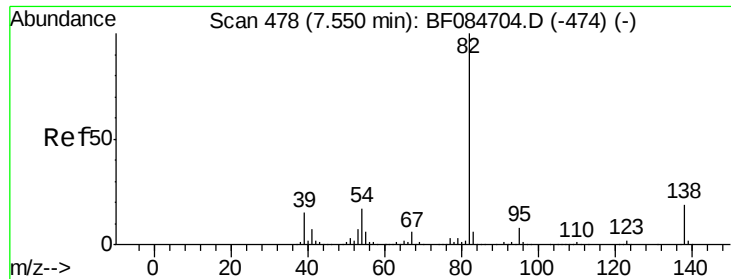


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.64 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.30 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

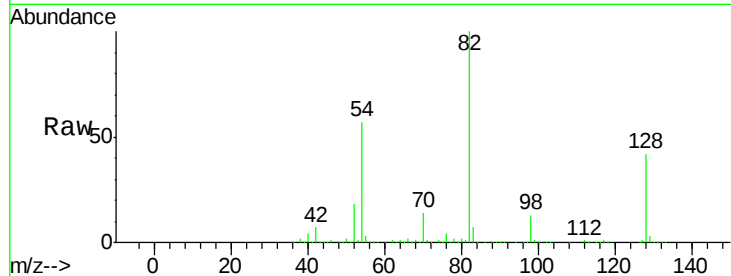
Tgt Ion: 82 Resp: 948584

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

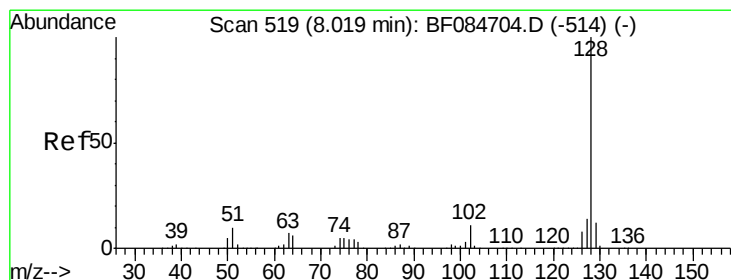
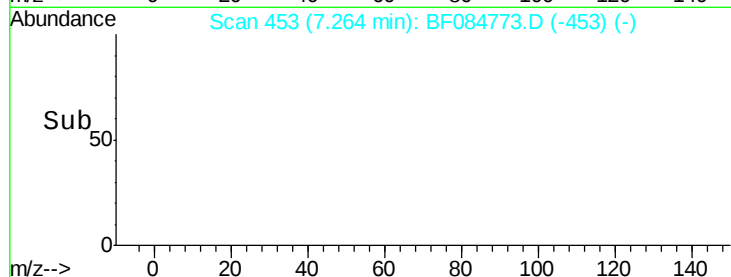
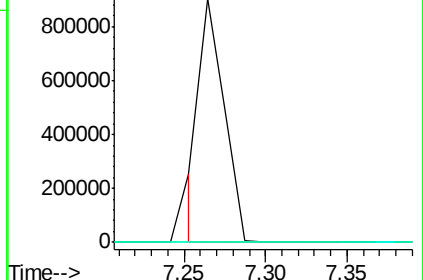
138 0.0 13.6 20.4#



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): E



#31

Naphthalene

Concen: 5.92 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

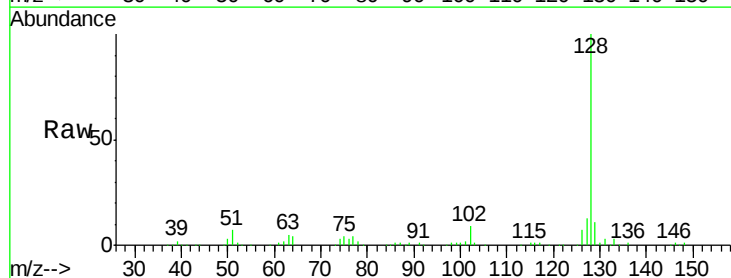
Tgt Ion: 128 Resp: 235501

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

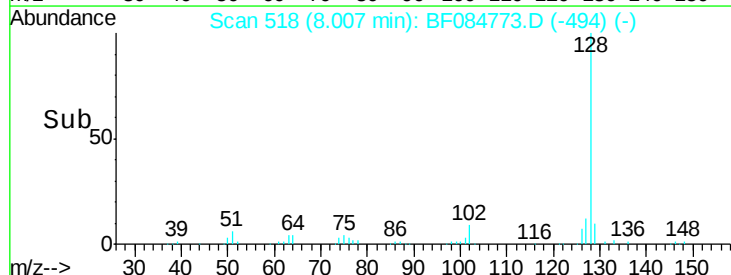
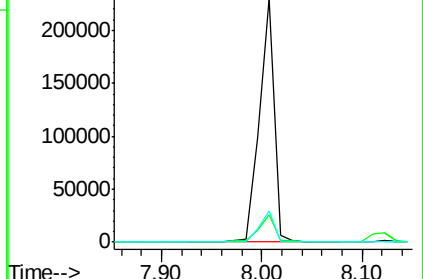
127 12.6 11.1 16.7

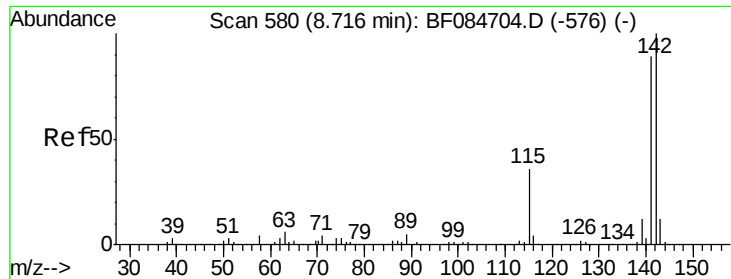


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

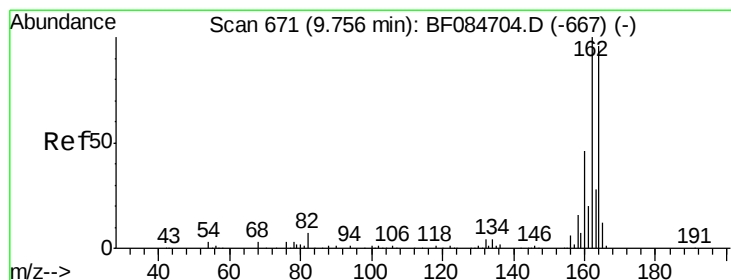
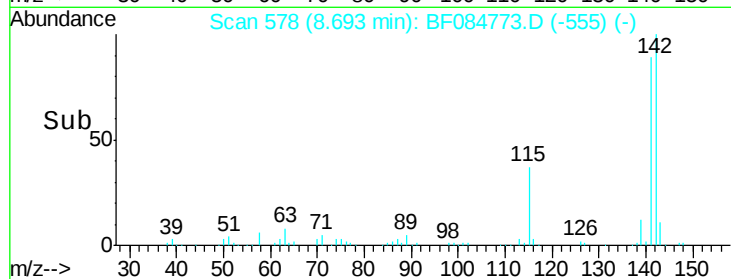
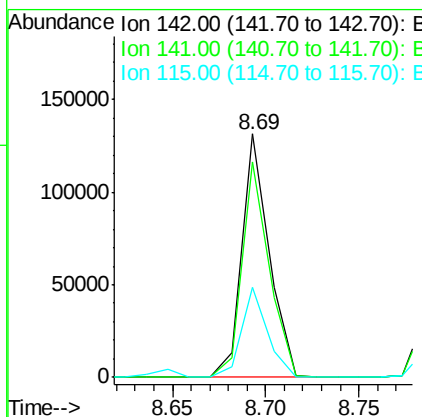
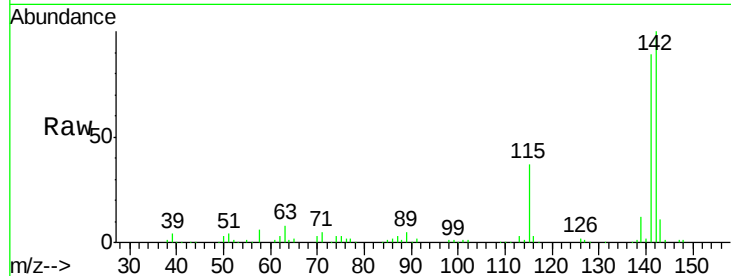




#37
 2-Methylnaphthalene
 Concen: 5.34 ng
 RT: 8.69 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: BF084773.D
 Acq: 3 Feb 2016 5:17

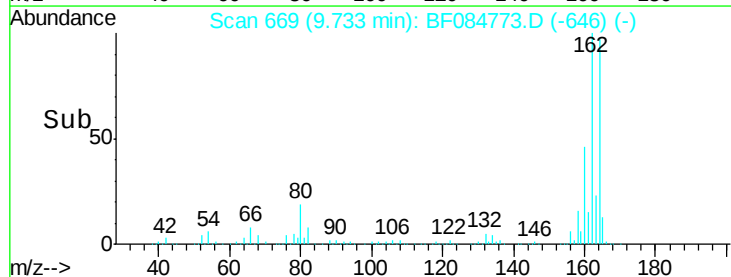
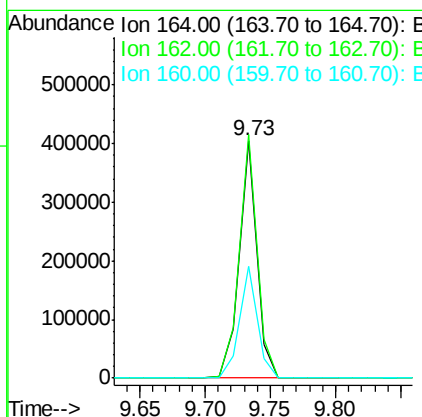
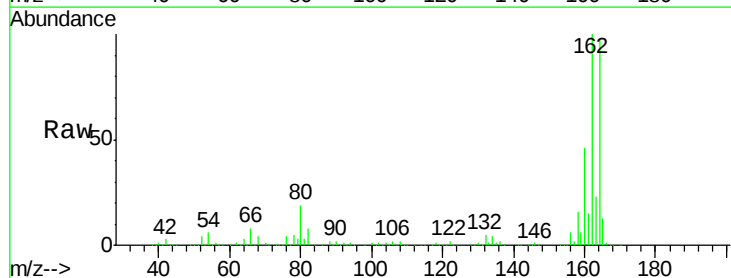
Instrument :
 BNA_F
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 BLFS-SOIL02

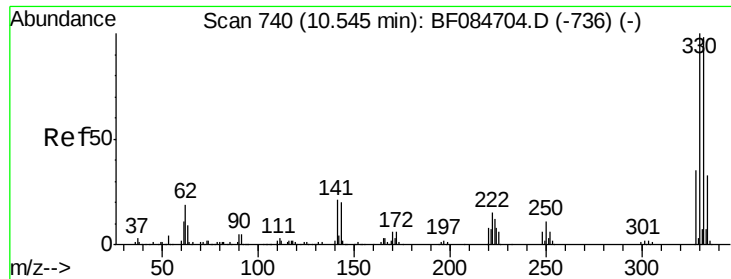
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.4	108.6
115	36.9	27.9	41.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.03 min
 Lab File: BF084773.D
 Acq: 3 Feb 2016 5:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	85.1	127.7
160	47.0	37.5	56.3

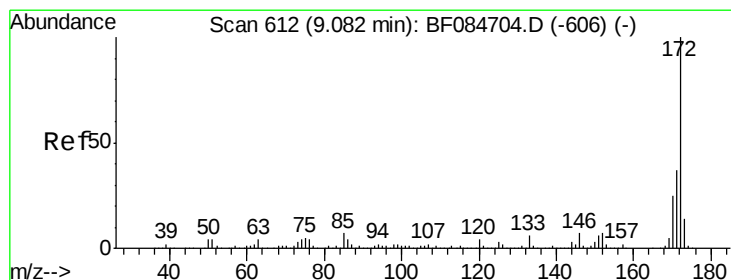
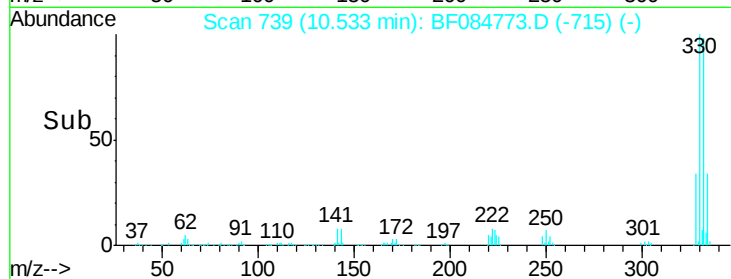
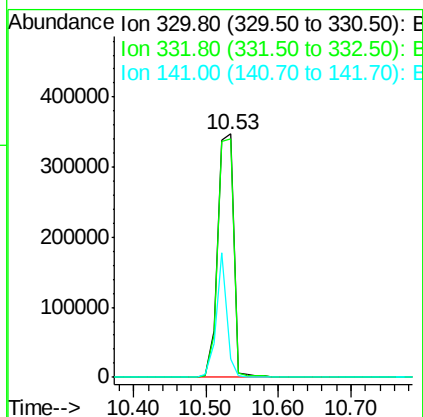
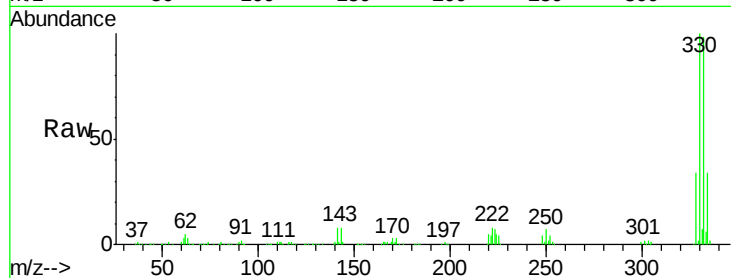




#41
 2,4,6-Tribromophenol
 Concen: 135.69 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084773.D
 Acq: 3 Feb 2016 5:17

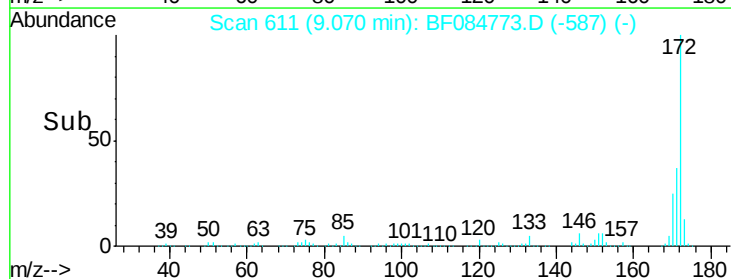
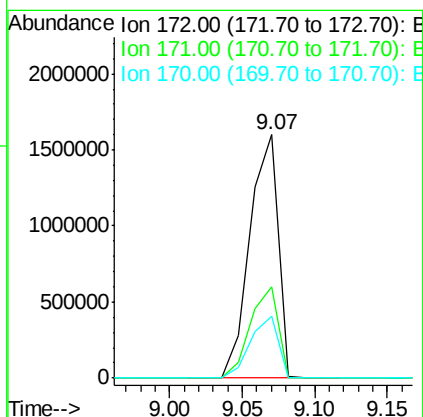
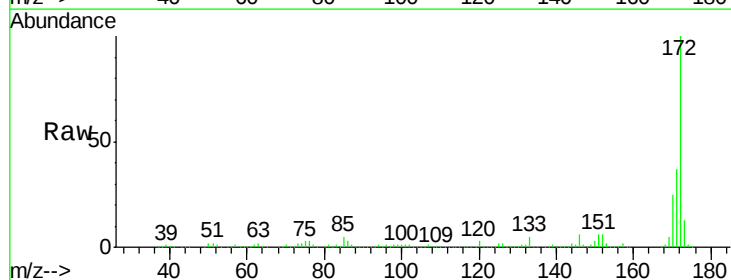
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL02

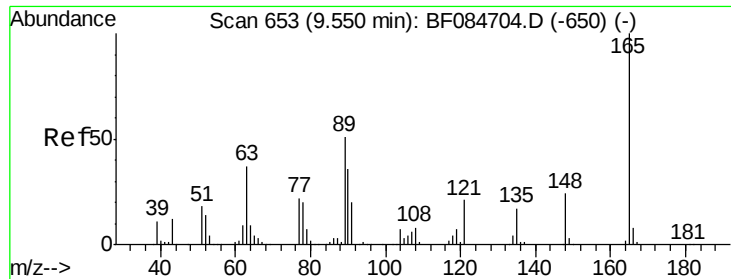
Tgt Ion:330 Resp: 531934
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 114.8
 141 33.7 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 105.62 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084773.D
 Acq: 3 Feb 2016 5:17

Tgt Ion:172 Resp: 2165782
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.9 43.3
 170 25.3 18.6 27.8

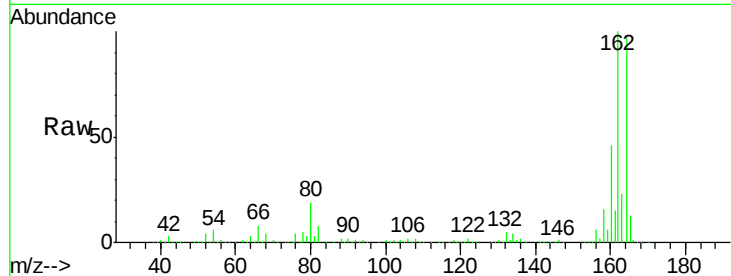




#50
 2,6-Dinitrotoluene
 Concen: 8.08 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.17 min
 Lab File: BF084773.D
 Acq: 3 Feb 2016 5:17

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL02

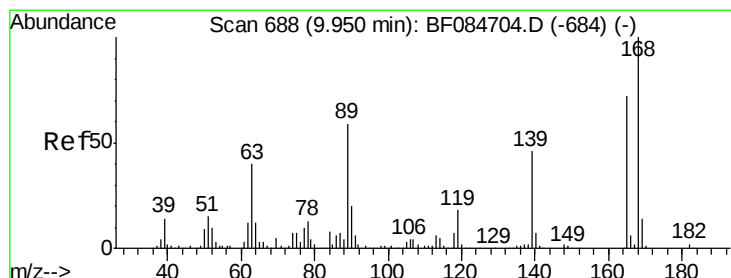
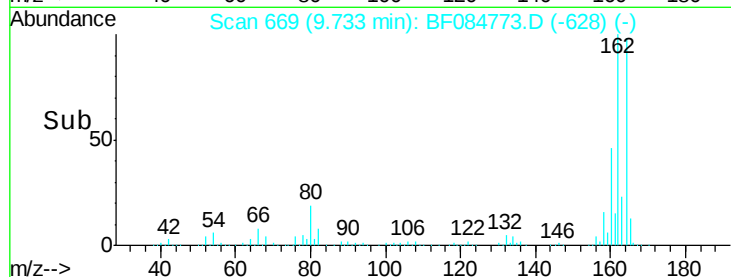
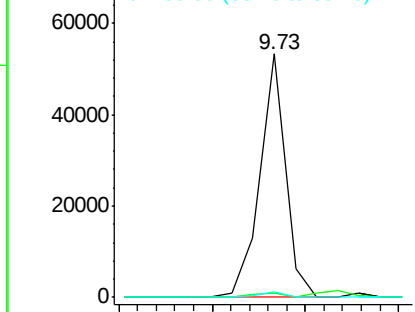
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	28.8	43.2#
89	2.0	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

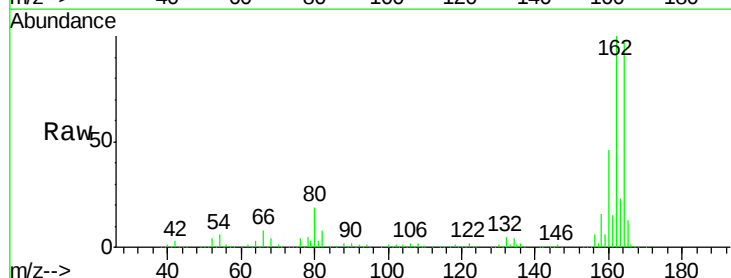
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.23 min
 Lab File: BF084773.D
 Acq: 3 Feb 2016 5:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.7	55.1#
89	2.0	61.9	92.9#
182	0.0	2.0	3.0#

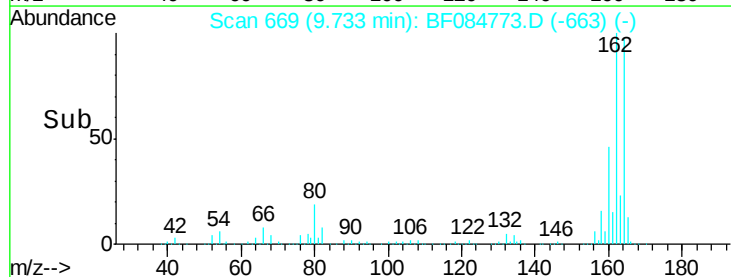
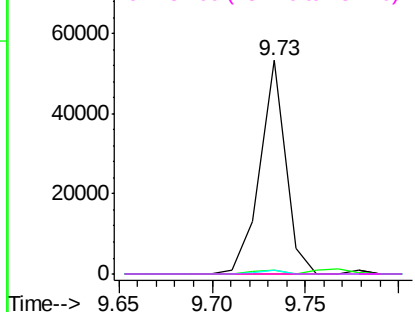


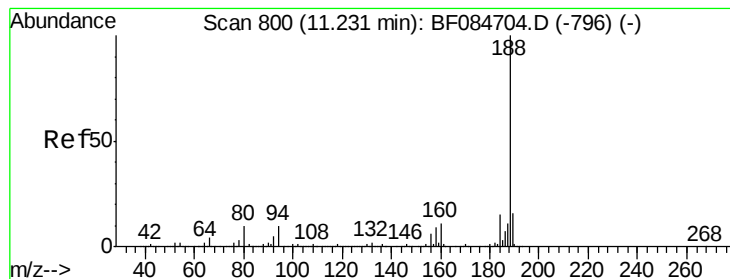
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

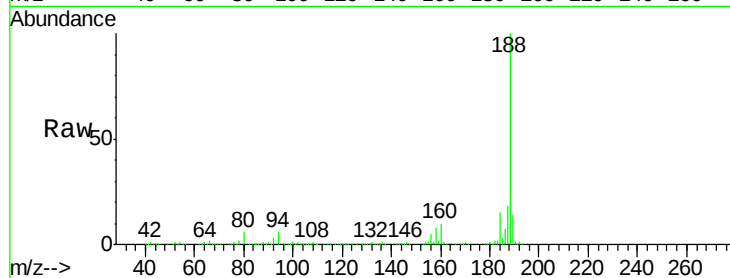
Tgt Ion:188 Resp: 717710

Ion Ratio Lower Upper

188 100

94 6.0 9.0 13.4#

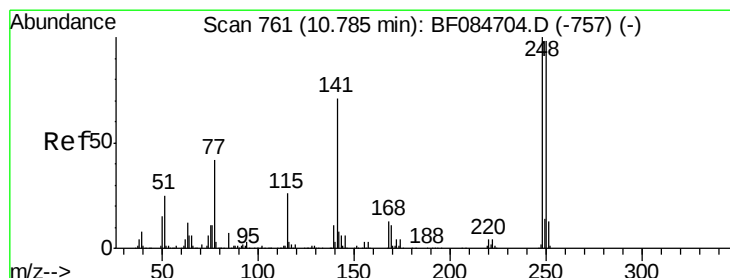
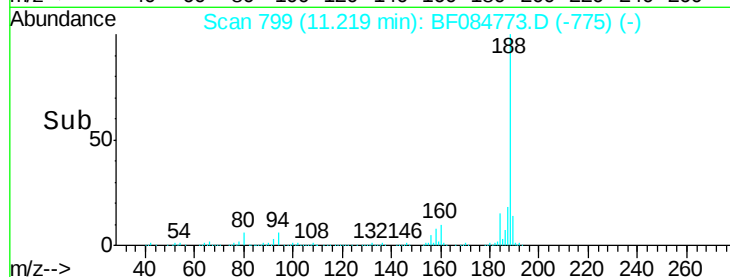
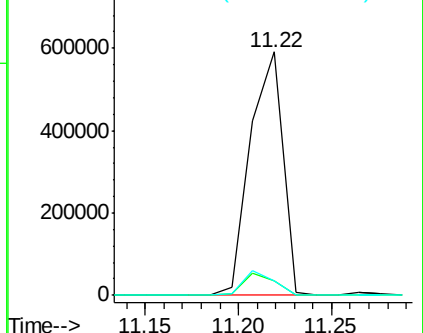
80 5.8 9.6 14.4#



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: 3.90 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.27 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

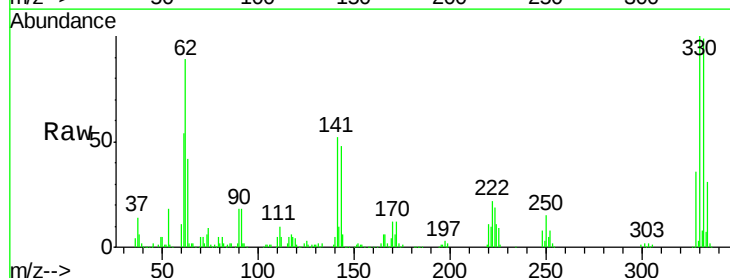
Tgt Ion:248 Resp: 30937

Ion Ratio Lower Upper

248 100

250 198.4 78.4 117.6#

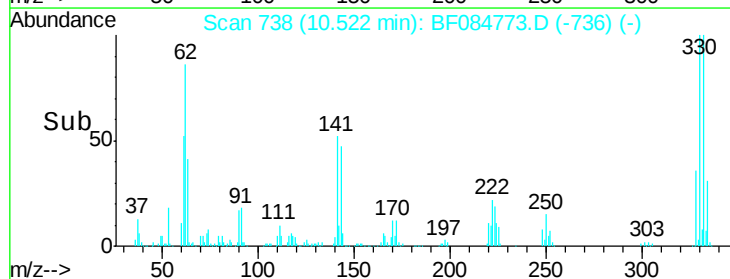
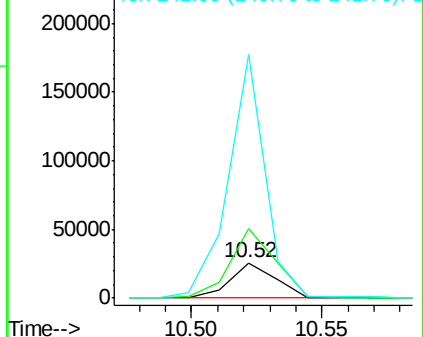
141 691.5 44.0 66.0#

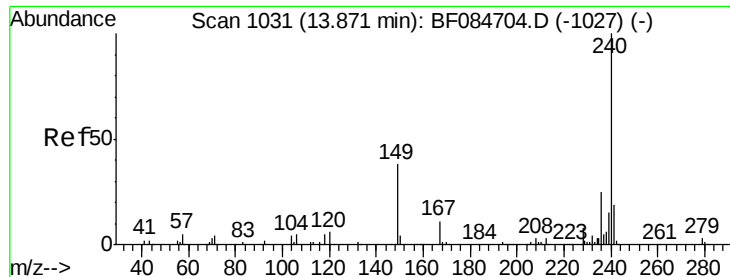


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

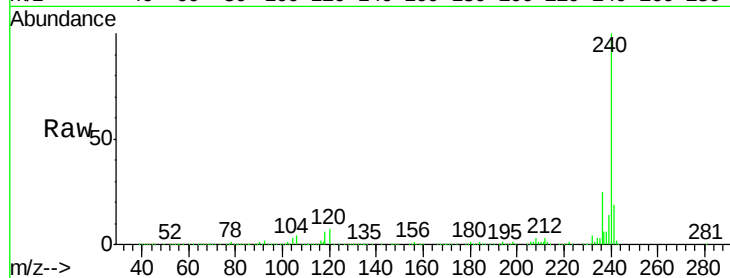
Tgt Ion:240 Resp: 535780

Ion Ratio Lower Upper

240 100

120 6.7 9.5 14.3#

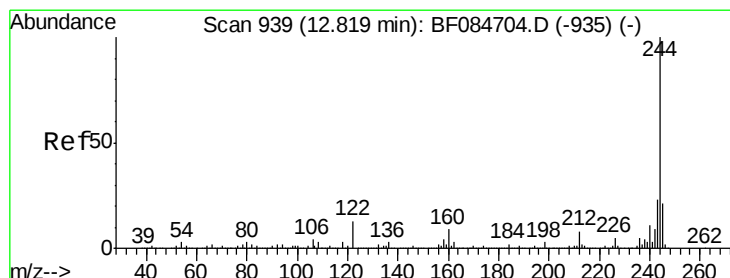
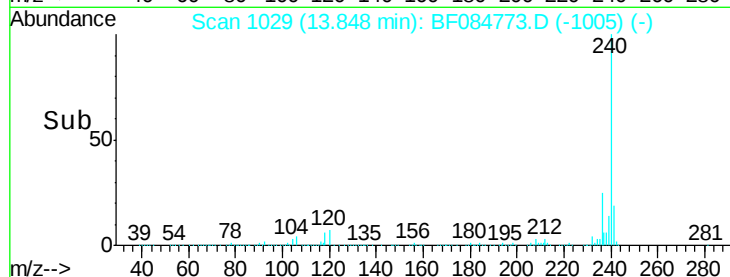
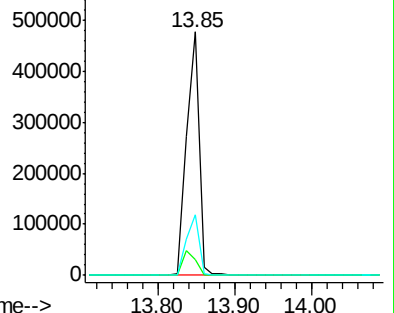
236 25.1 20.6 31.0



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: 87.77 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084773.D

Acq: 3 Feb 2016 5:17

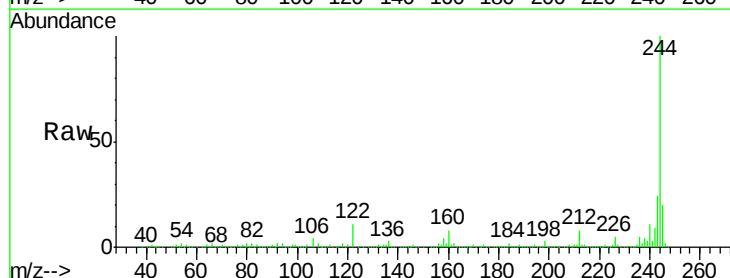
Tgt Ion:244 Resp: 2075202

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

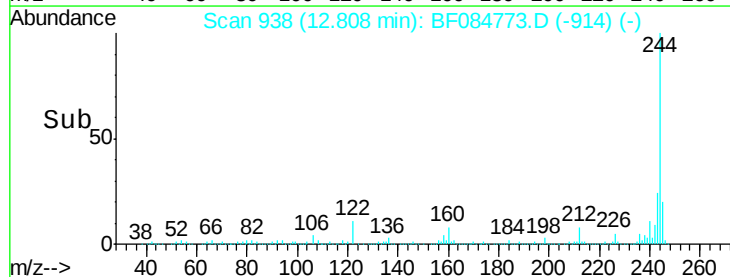
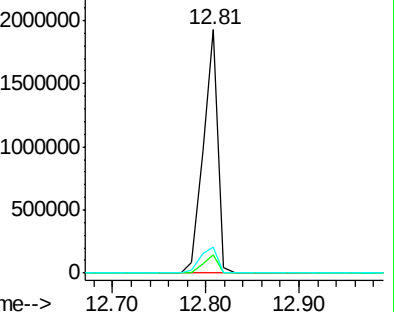
122 10.9 7.4 11.0

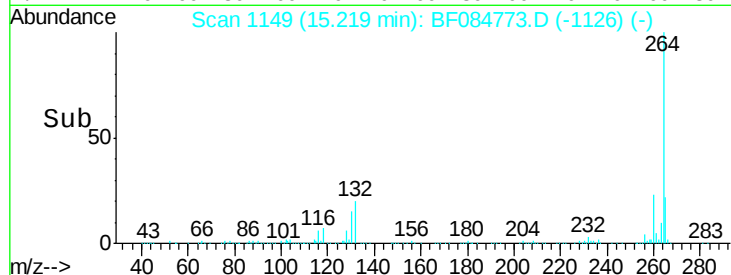
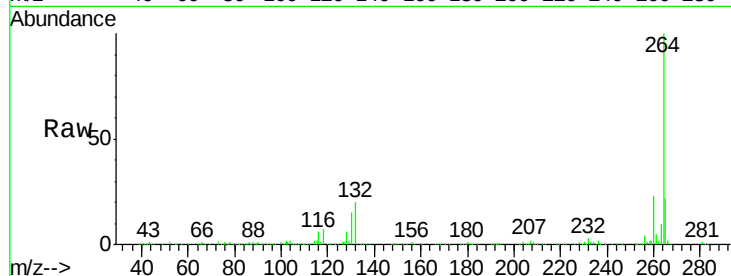
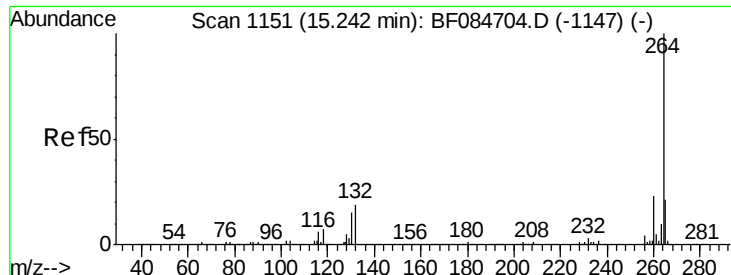


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF084773.D
Acq: 3 Feb 2016 5:17

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL02

Tgt Ion:	264	Resp:	394661
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.4	29.2
265	22.2	17.8	26.6

