

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
 Data File : BF084772.D
 Acq On : 3 Feb 2016 4:50
 Operator : SJ/IZ
 Sample : H1306-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

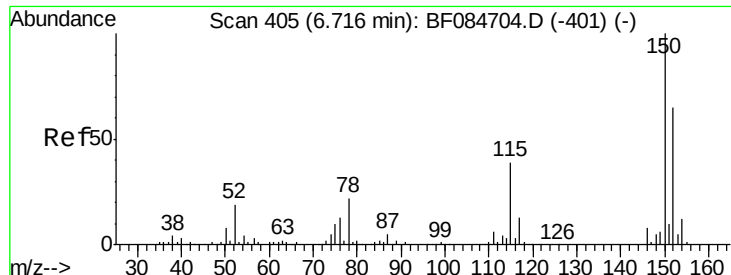
Quant Time: Feb 03 06:27:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	180646	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	778962	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	366773	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	684830	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	497653	20.00	ng	-0.02
86) Perylene-d12	15.22	264	324380	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1331323	114.79	ng	0.00
7) Phenol-d6	6.35	99	1421841	98.89	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1055873	76.36	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	513796	134.30	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	2097065	104.13	ng	-0.02
78) Terphenyl-d14	12.81	244	1987012	90.48	ng	-0.02

Target Compounds						Qvalue
9) Benzaldehyde	6.48	77	34911	4.11	ng	85
19) n-Nitroso-di-n-propylamine	7.26	70	144680	16.05	ng	# 72
25) Isophorone	7.26	82	877774	32.65	ng	# 66
31) Naphthalene	8.01	128	530033	13.57	ng	98
33) 4-Chloroaniline	8.01	127	69779	4.32	ng	# 33
37) 2-Methylnaphthalene	8.69	142	140171	5.73	ng	97
50) 2,6-Dinitrotoluene	9.73	165	56171	9.20	ng	# 39
51) Acenaphthene	9.77	154	62551	2.63	ng	97
53) 2,4-Dinitrophenol	10.03	184	609	6.00	ng	# 17
54) Dibenzofuran	9.94	168	64562	2.22	ng	# 91
57) Fluorene	10.28	166	62388	2.57	ng	98
60) 4-Chlorophenyl-phenylether	10.22	204	266	Below Cal	#	1
66) 4-Bromophenyl-phenylether	10.52	248	29340	3.88	ng	# 1
70) Phenanthrene	11.24	178	115061	3.03	ng	99
71) Anthracene	11.24	178	115061	3.01	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

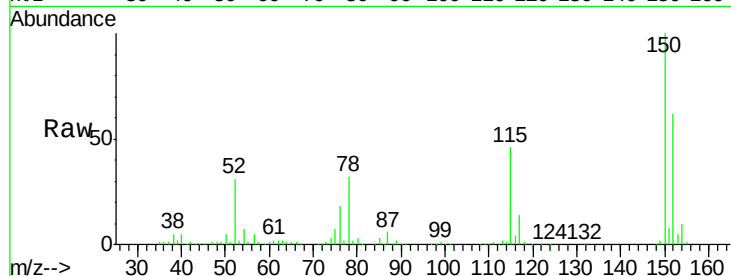
Tgt Ion:152 Resp: 180646

Ion Ratio Lower Upper

152 100

150 161.0 123.0 184.4

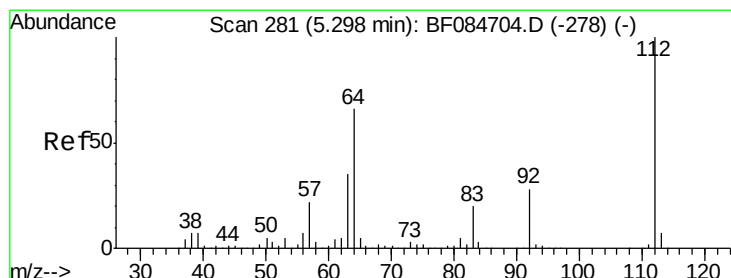
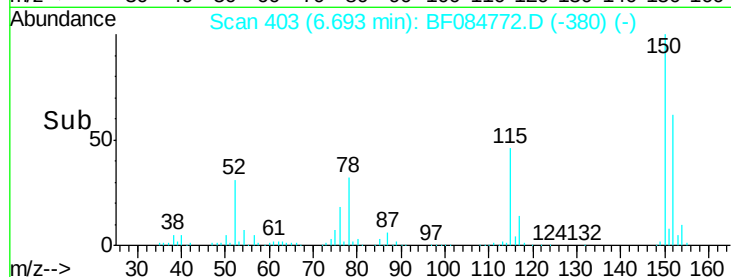
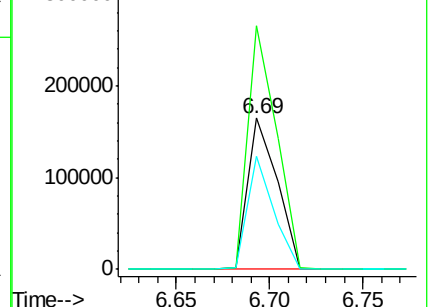
115 74.6 51.4 77.2



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: 114.79 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

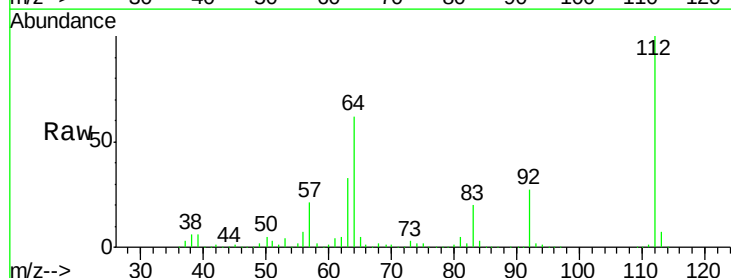
Tgt Ion:112 Resp: 1331323

Ion Ratio Lower Upper

112 100

64 61.5 36.6 55.0#

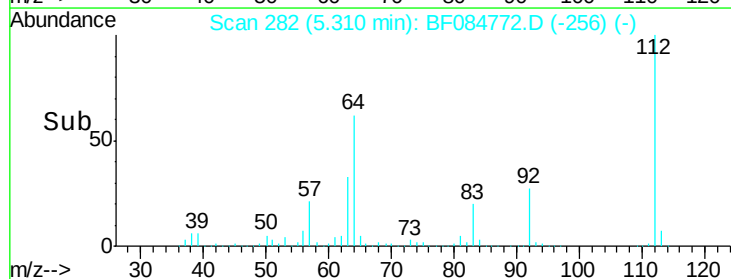
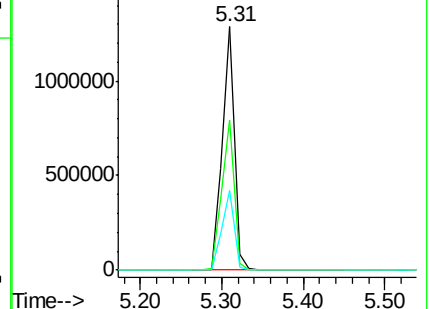
63 32.8 19.4 29.0#

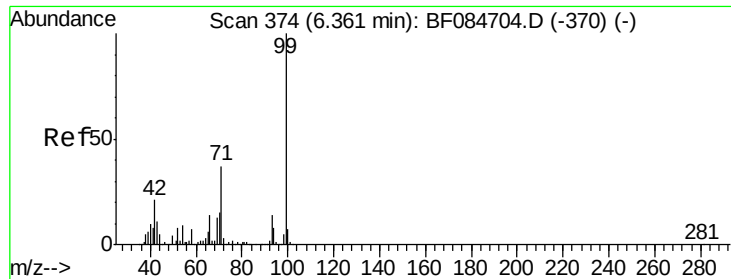


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.89 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

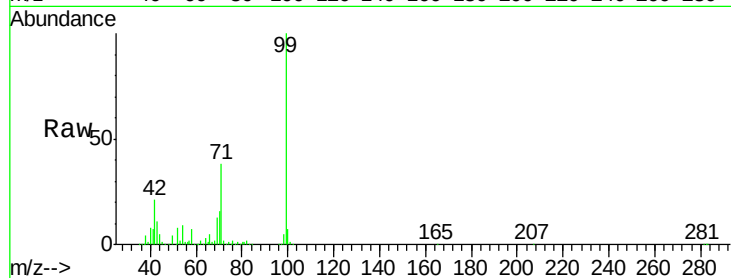
Tgt Ion: 99 Resp: 1421841

Ion Ratio Lower Upper

99 100

42 21.2 12.8 19.2#

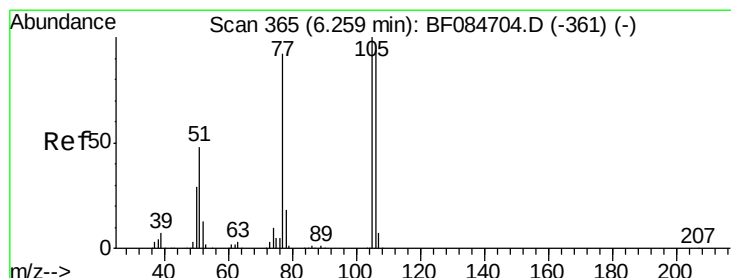
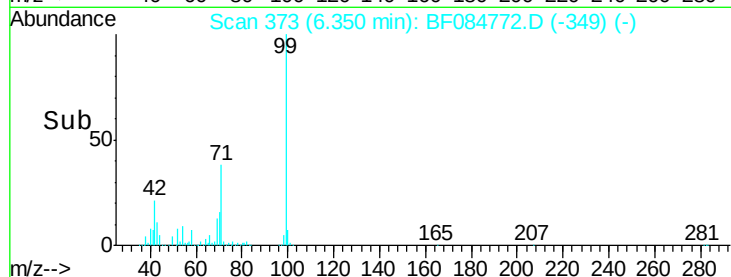
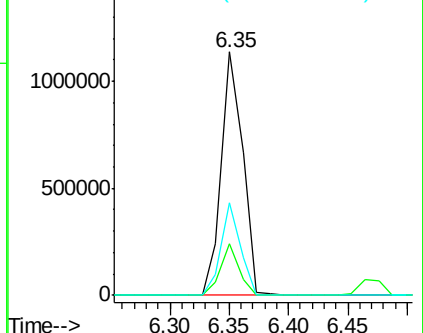
71 38.0 30.9 46.3



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: 4.11 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

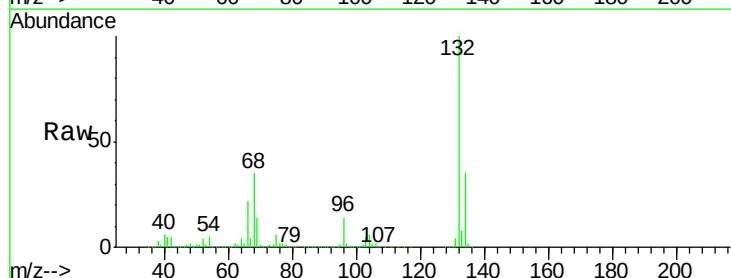
Tgt Ion: 77 Resp: 34911

Ion Ratio Lower Upper

77 100

105 85.4 83.0 123.0

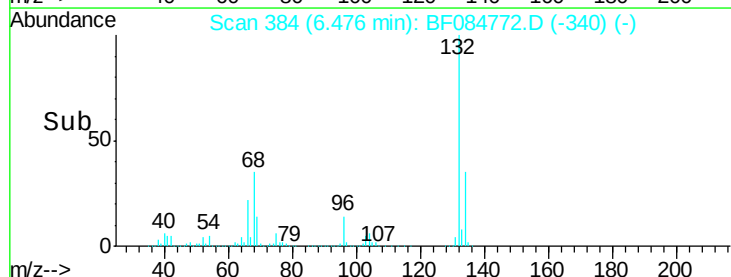
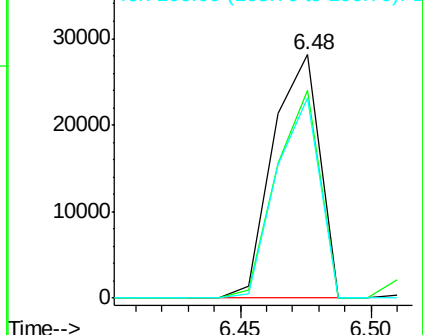
106 82.1 74.6 114.6

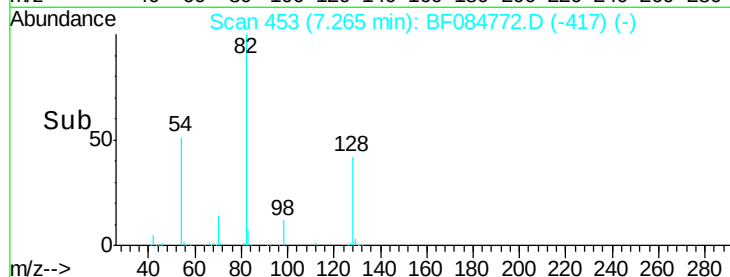
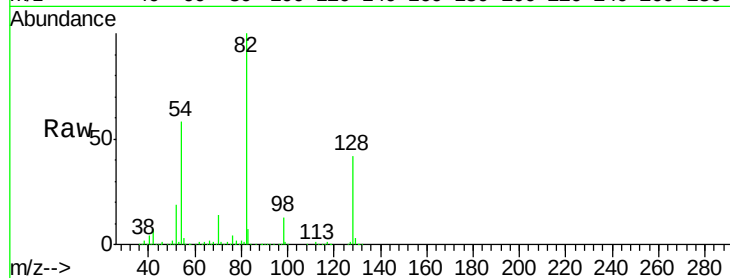
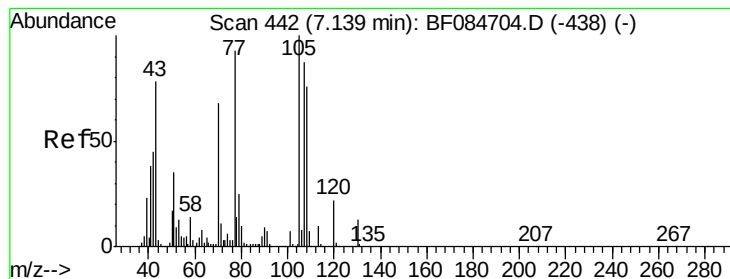


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 16.05 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

Tgt Ion: 70 Resp: 144680

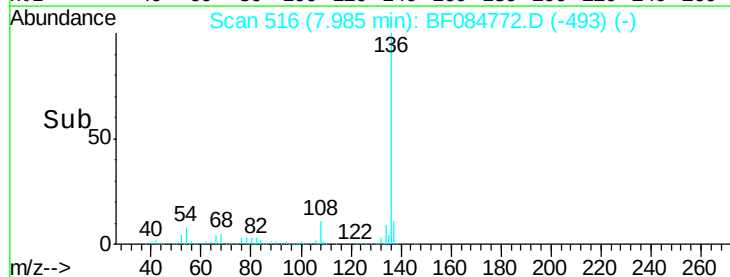
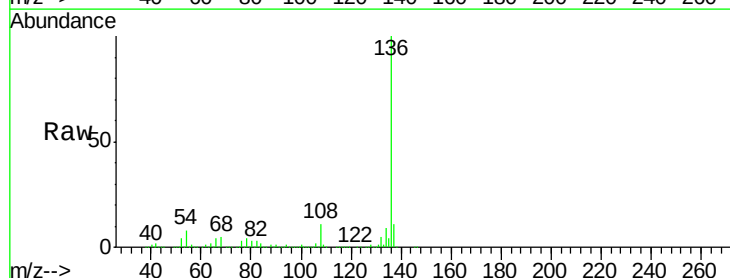
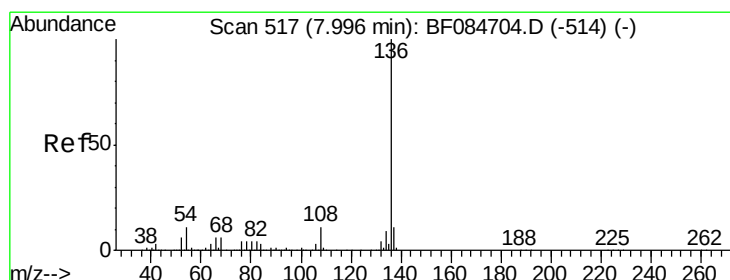
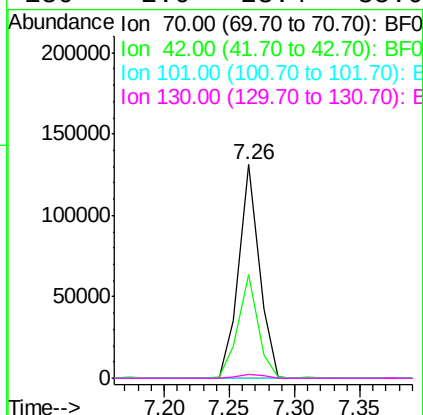
Ion Ratio Lower Upper

70 100

42 48.6 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Tgt Ion: 136 Resp: 778962

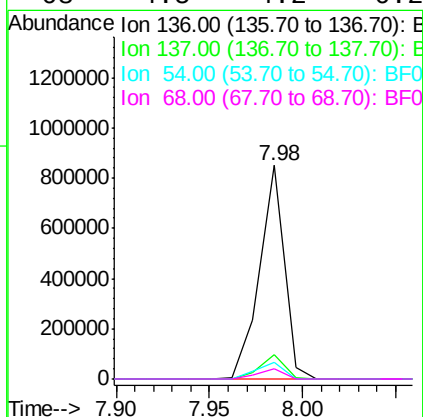
Ion Ratio Lower Upper

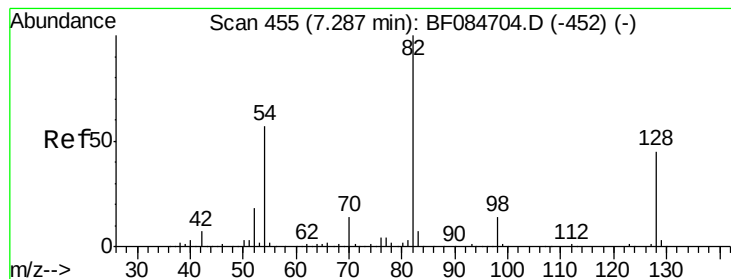
136 100

137 11.3 8.7 13.1

54 7.9 5.8 8.8

68 4.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 76.36 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

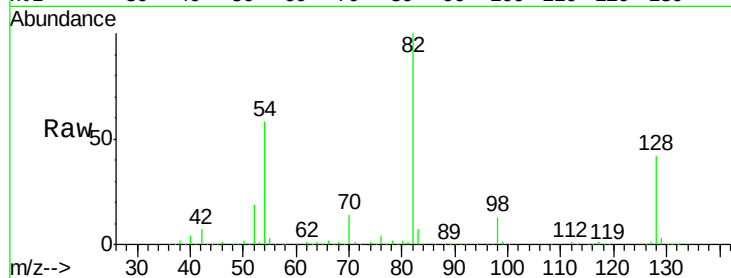
Tgt Ion: 82 Resp: 1055873

Ion Ratio Lower Upper

82 100

128 42.4 34.6 51.8

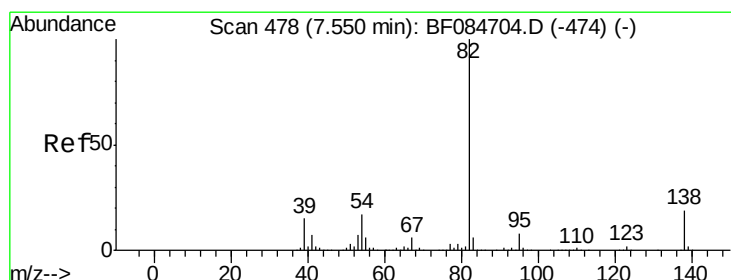
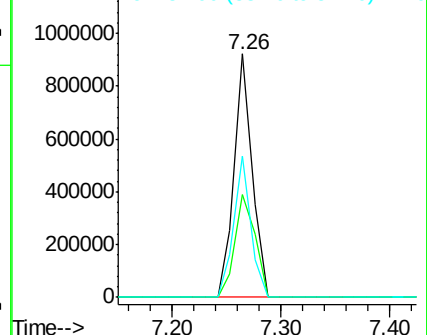
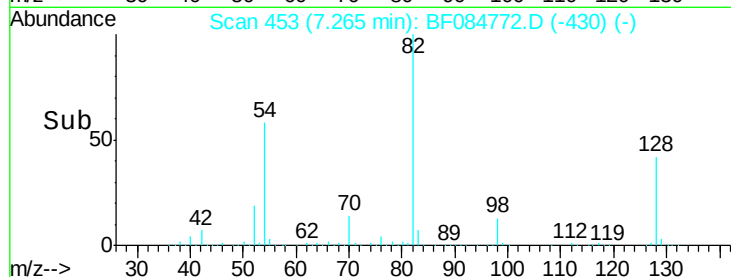
54 58.1 38.4 57.6#



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: 32.65 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.30 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

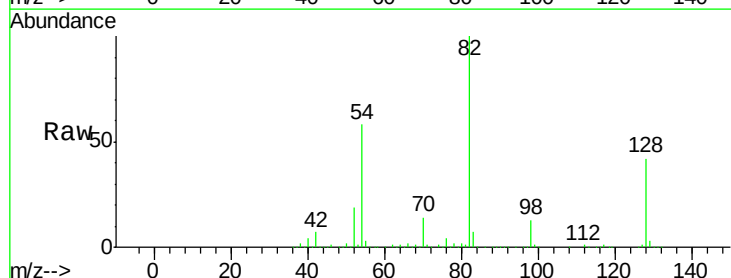
Tgt Ion: 82 Resp: 877774

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

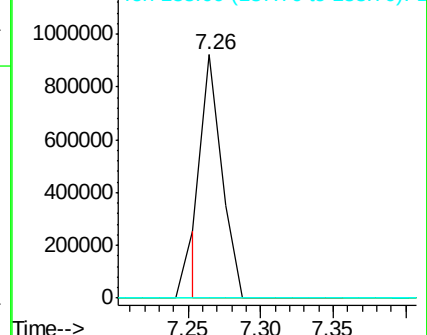
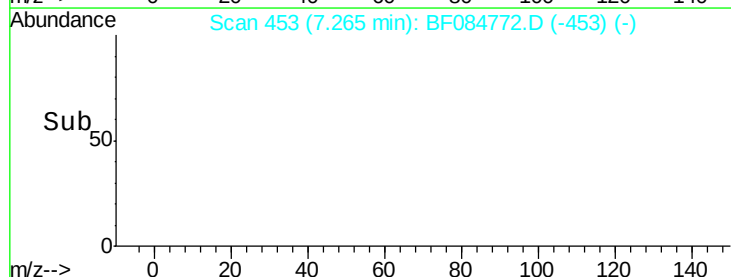
138 0.0 13.6 20.4#

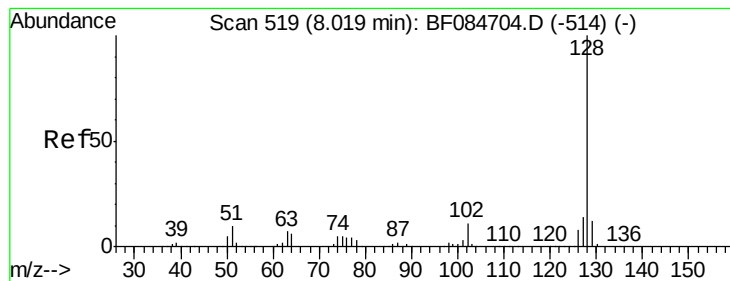


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 13.57 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

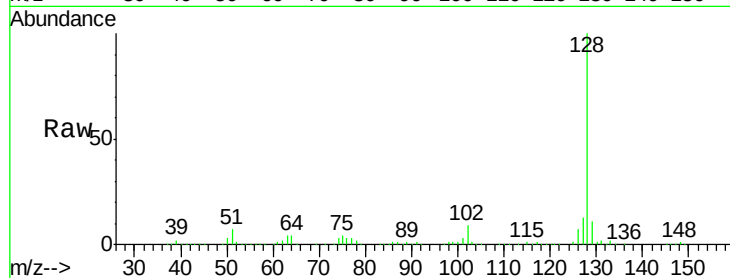
Tgt Ion:128 Resp: 530033

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

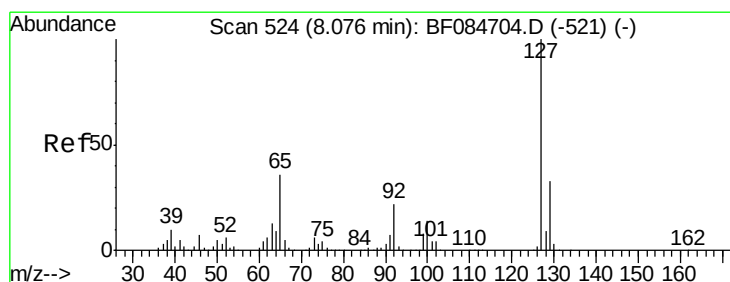
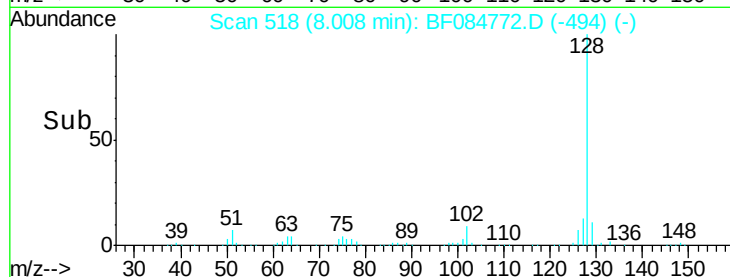
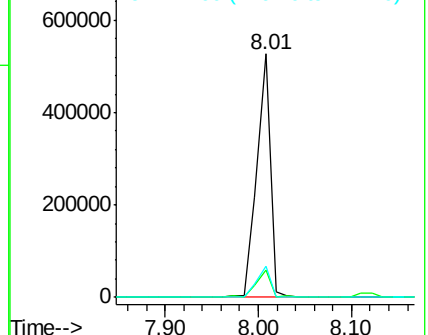
127 12.8 11.1 16.7



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



#33

4-Chloroaniline

Concen: 4.32 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.08 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Tgt Ion:127 Resp: 69779

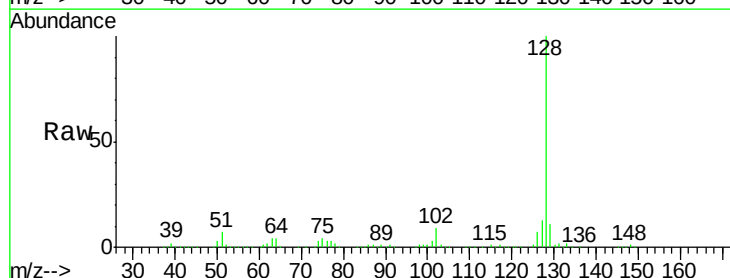
Ion Ratio Lower Upper

127 100

129 86.6 26.5 39.7#

65 2.6 27.2 40.8#

92 0.5 17.7 26.5#

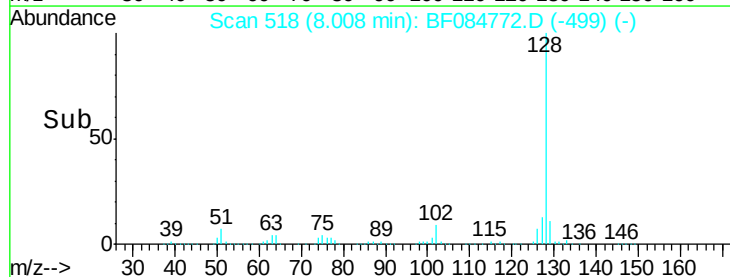
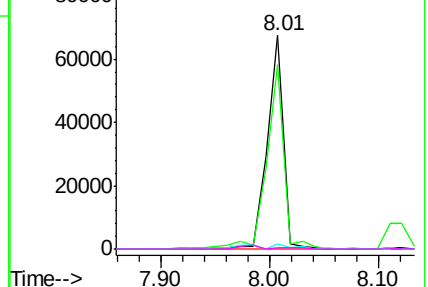


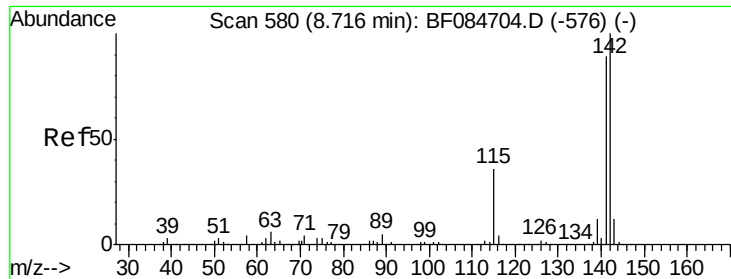
Abundance Ion 127.00 (126.70 to 127.70): E

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

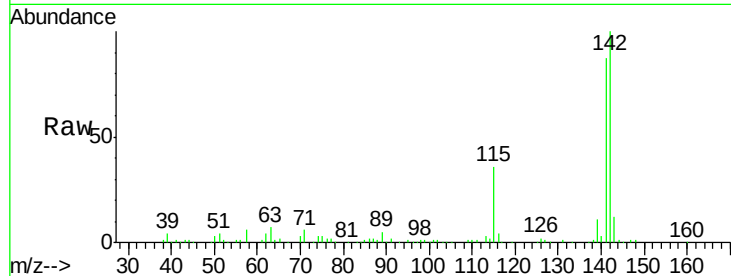




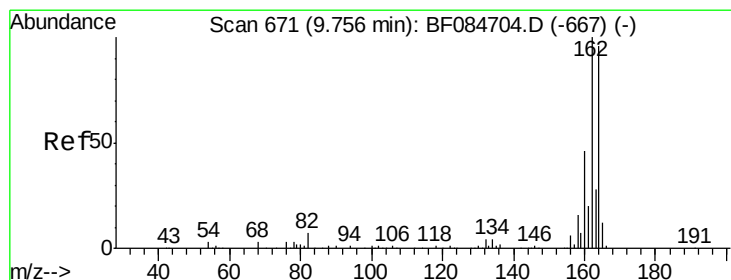
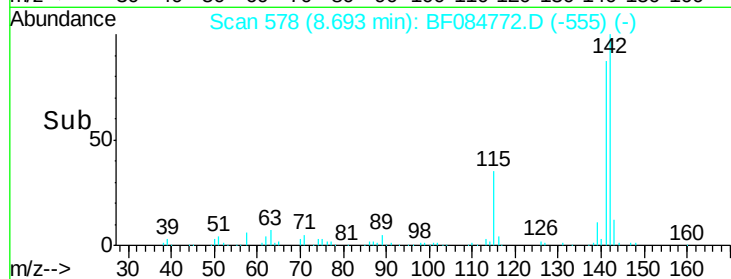
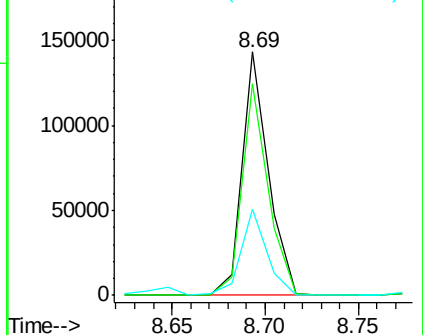
#37
2-Methylnaphthalene
Concen: 5.73 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.03 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	72.4	108.6
115	35.5	27.9	41.9

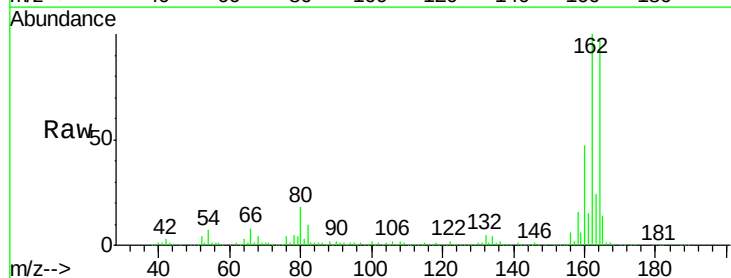


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

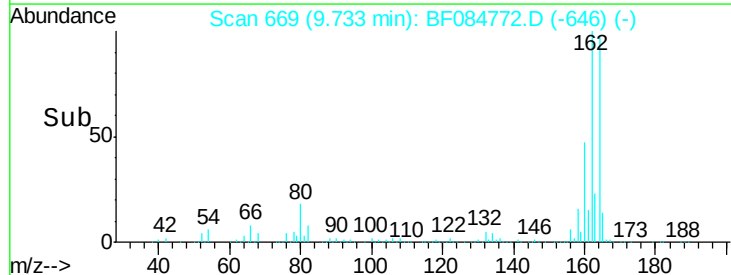
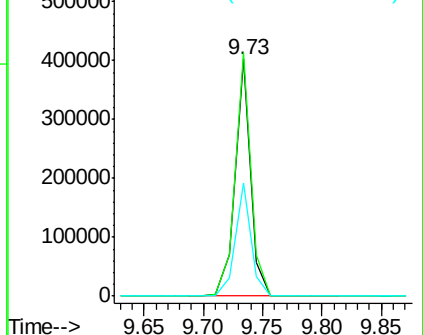


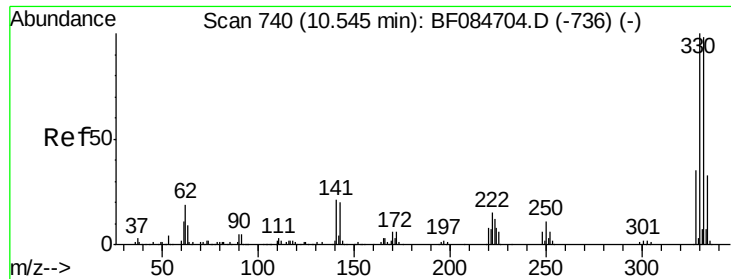
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	85.1	127.7
160	47.9	37.5	56.3



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

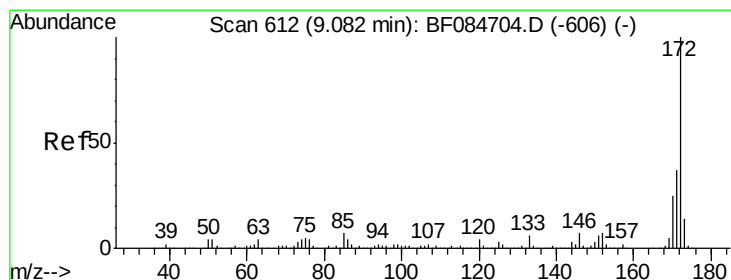
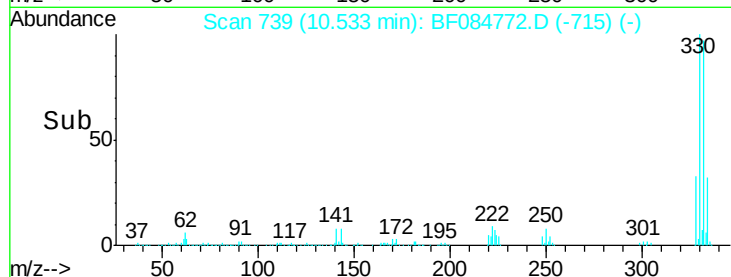
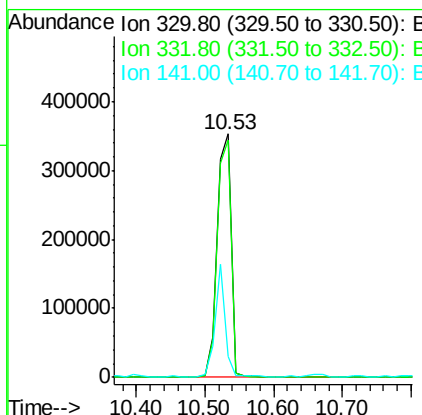
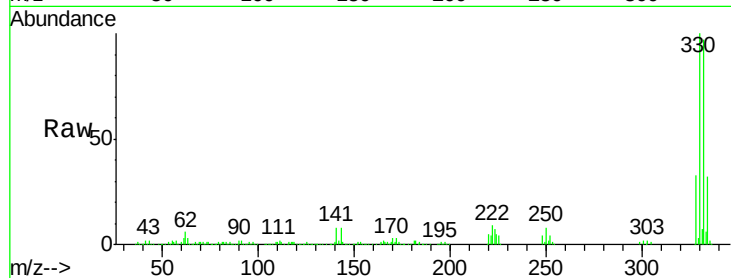




#41
 2,4,6-Tribromophenol
 Concen: 134.30 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084772.D
 Acq: 3 Feb 2016 4:50

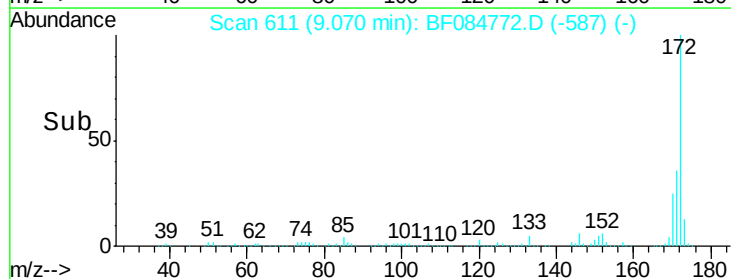
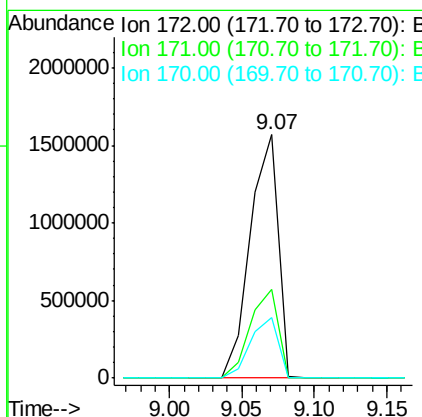
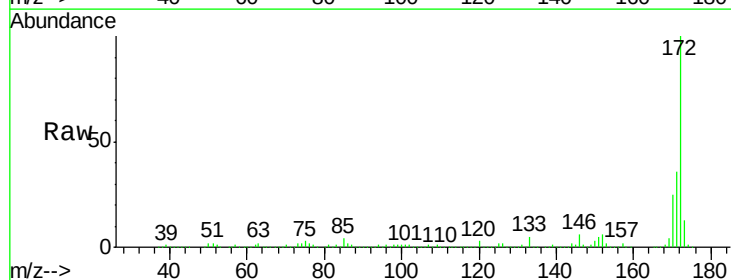
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

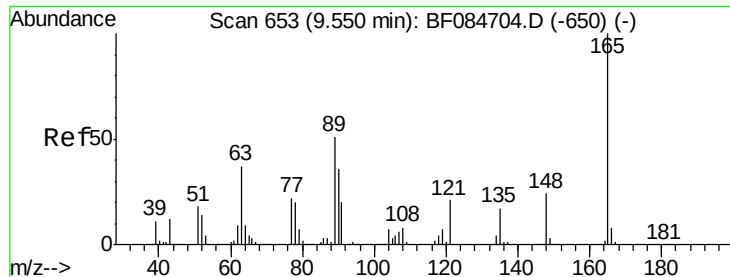
Tgt Ion:330 Resp: 513796
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 33.1 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 104.13 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084772.D
 Acq: 3 Feb 2016 4:50

Tgt Ion:172 Resp: 2097065
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.9 43.3
 170 24.7 18.6 27.8

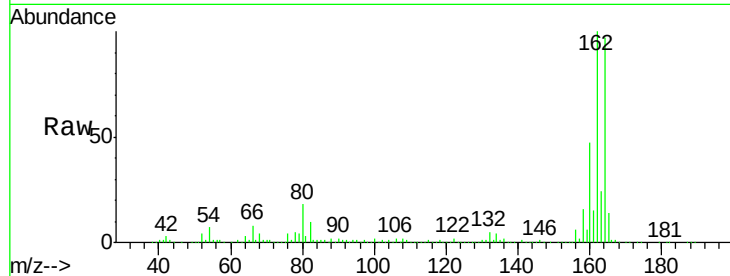




#50
2,6-Dinitrotoluene
Concen: 9.20 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.17 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

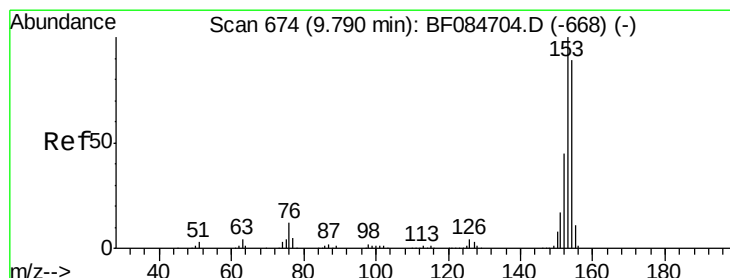
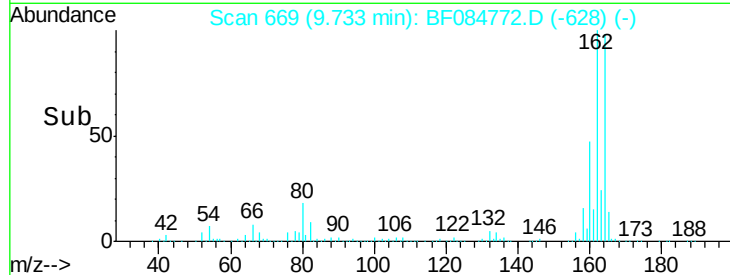
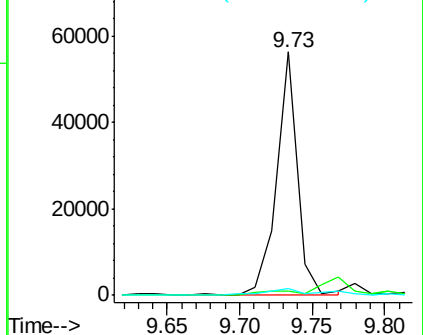
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	28.8	43.2#
89	2.6	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

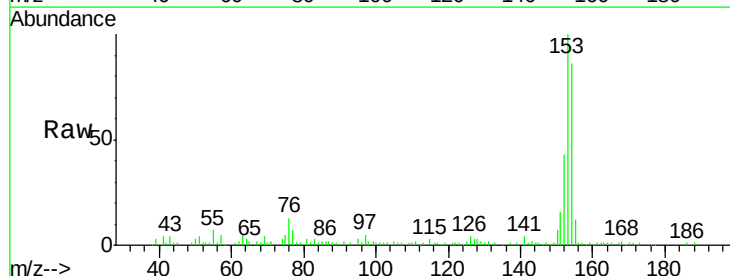
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
Acenaphthene
Concen: 2.63 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

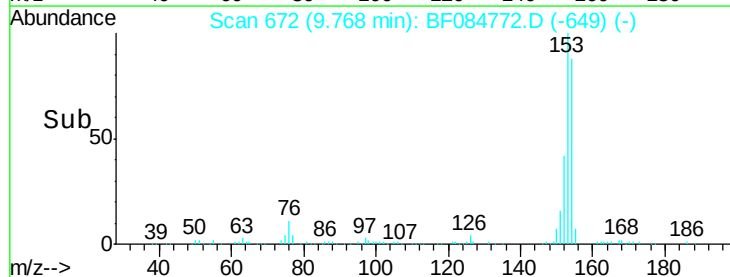
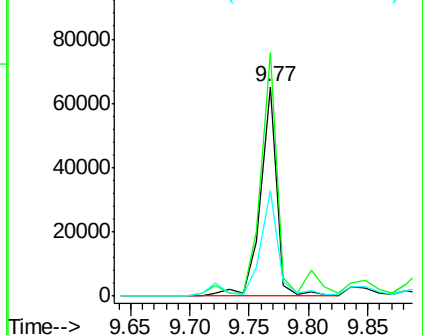
Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.5	137.3
152	50.1	43.0	64.6

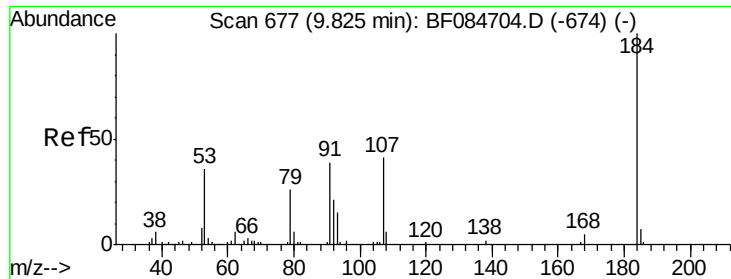


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

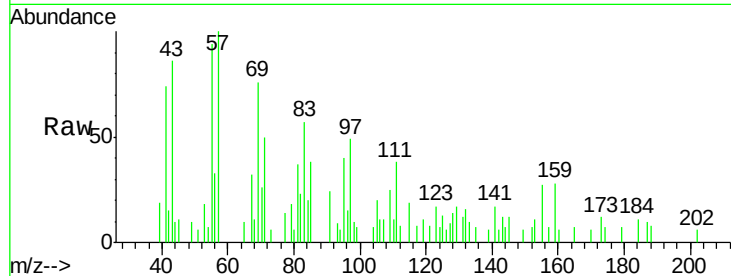




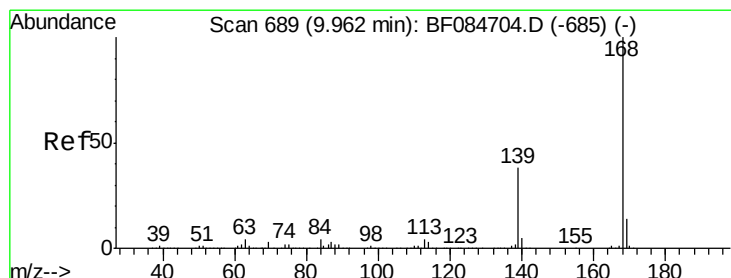
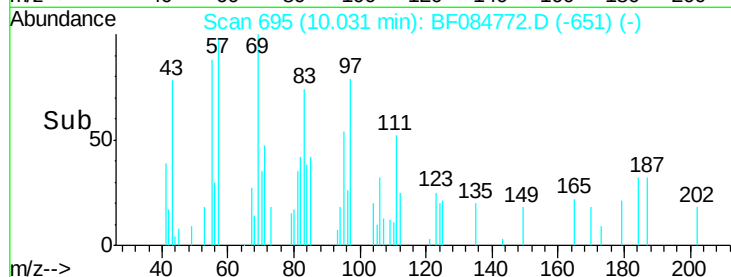
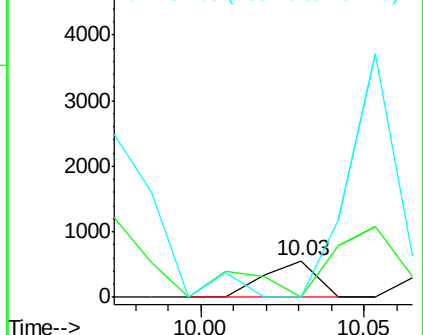
#53
2,4-Dinitrophenol
Concen: 6.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.21 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

Tgt Ion:184 Resp: 609
Ion Ratio Lower Upper
184 100
63 0.0 43.1 64.7#
154 0.0 60.5 90.7#

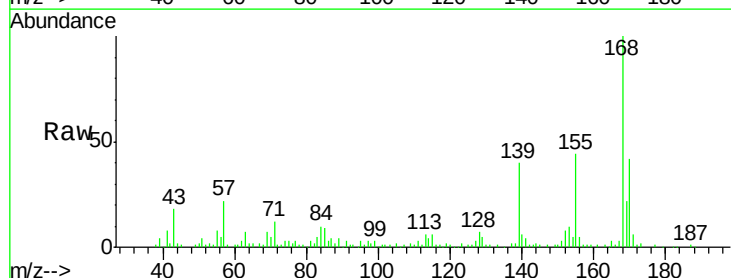


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

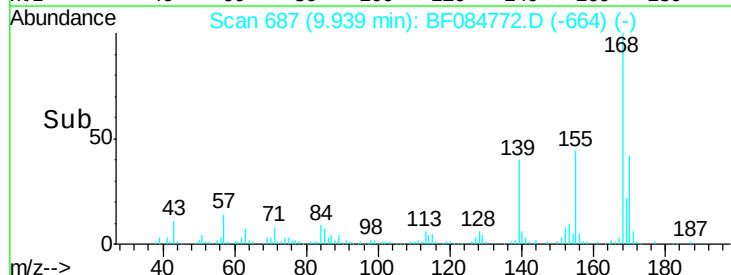
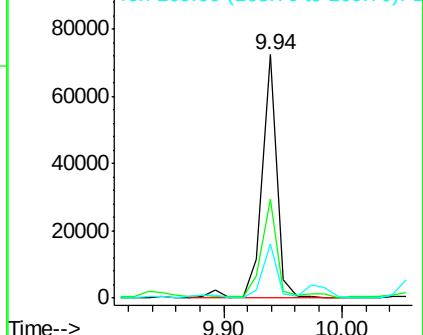


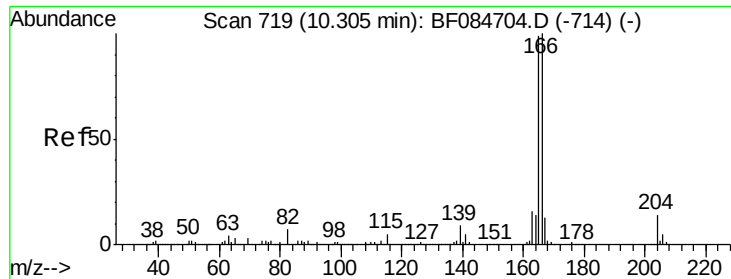
#54
Dibenzofuran
Concen: 2.22 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.03 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

Tgt Ion:168 Resp: 64562
Ion Ratio Lower Upper
168 100
139 40.5 30.5 45.7
169 22.2 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

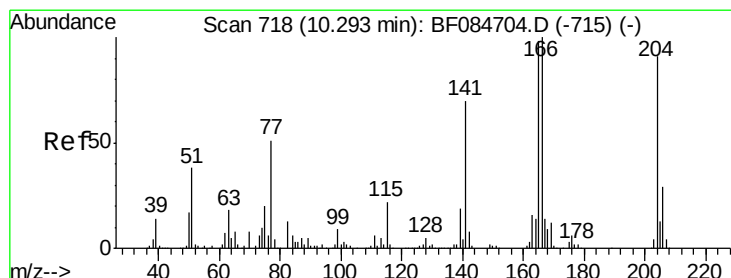
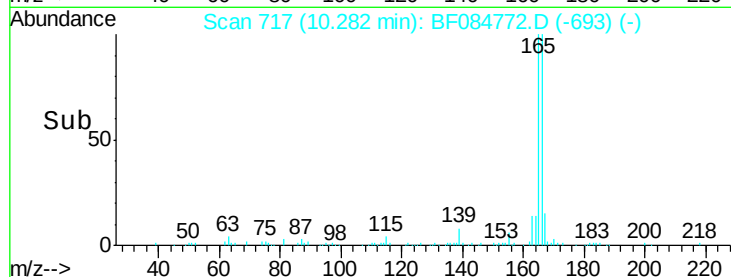
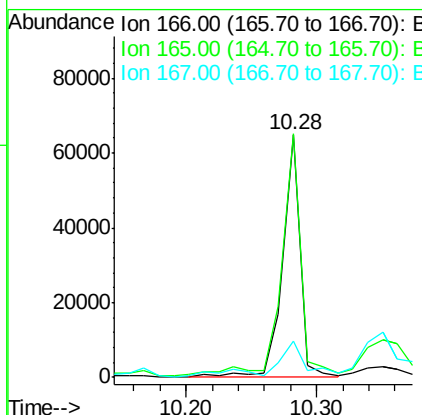
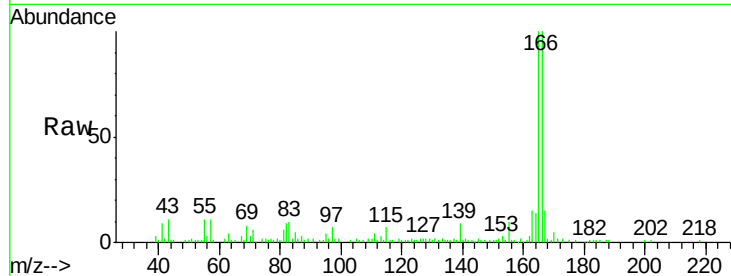




#57
 Fluorene
 Concen: 2.57 ng
 RT: 10.28 min Scan# 717
 Delta R.T. -0.02 min
 Lab File: BF084772.D
 Acq: 3 Feb 2016 4:50

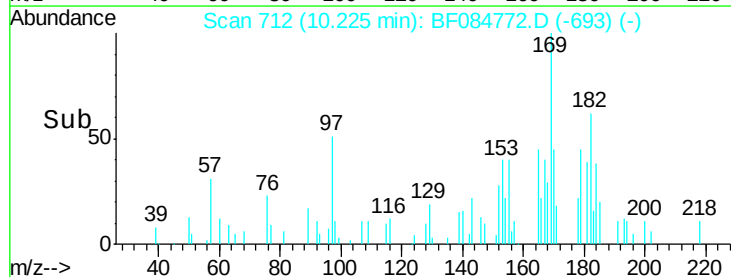
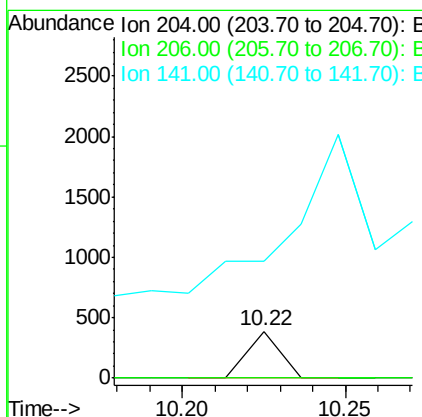
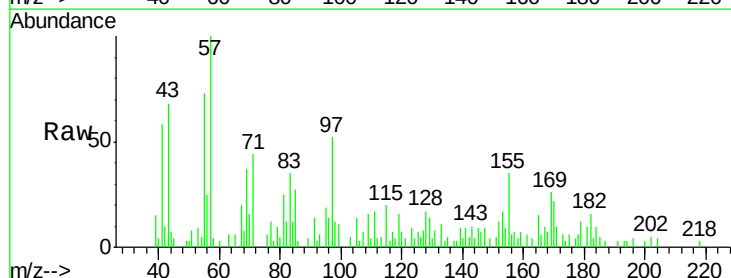
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

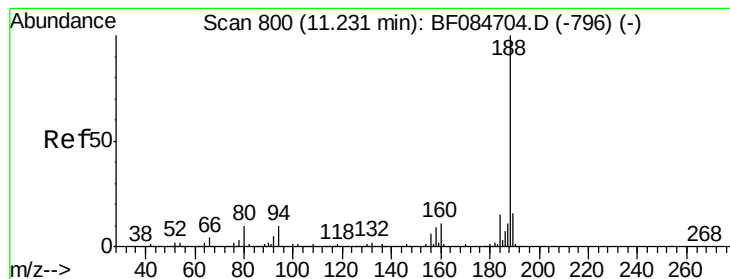
Tgt Ion:166 Resp: 62388
 Ion Ratio Lower Upper
 166 100
 165 100.3 79.1 118.7
 167 15.2 10.4 15.6



#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.22 min Scan# 712
 Delta R.T. -0.08 min
 Lab File: BF084772.D
 Acq: 3 Feb 2016 4:50

Tgt Ion:204 Resp: 266
 Ion Ratio Lower Upper
 204 100
 206 0.0 25.7 38.5#
 141 250.3 55.1 82.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

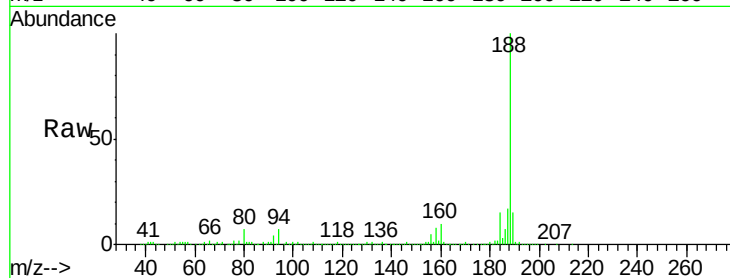
Tgt Ion:188 Resp: 684830

Ion Ratio Lower Upper

188 100

94 6.7 9.0 13.4#

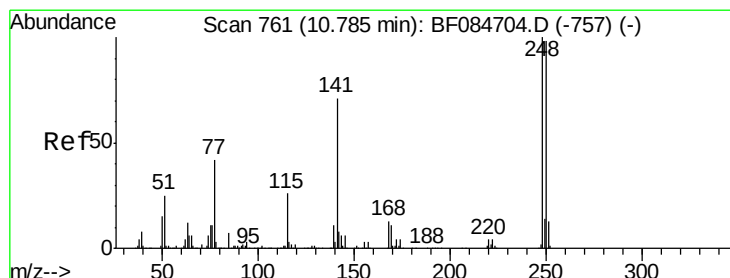
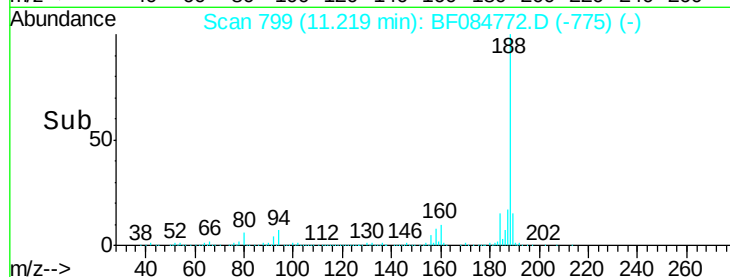
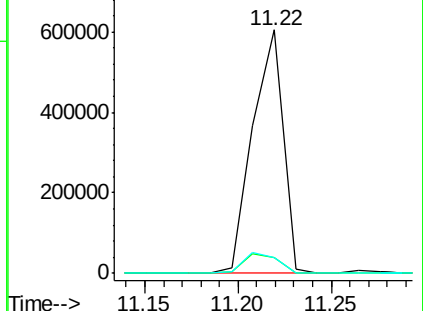
80 6.6 9.6 14.4#



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: 3.88 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.27 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

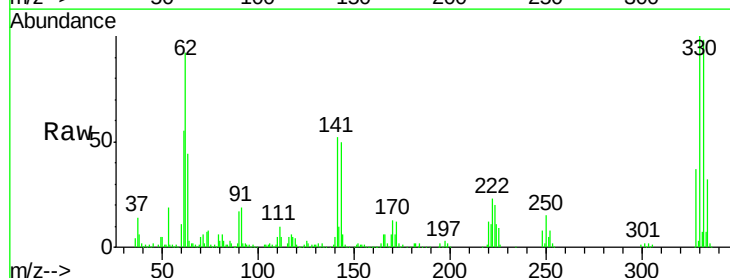
Tgt Ion:248 Resp: 29340

Ion Ratio Lower Upper

248 100

250 200.0 78.4 117.6#

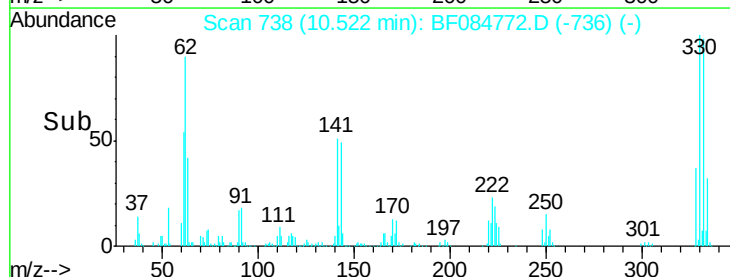
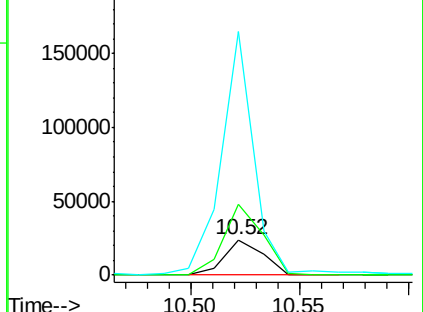
141 686.7 44.0 66.0#

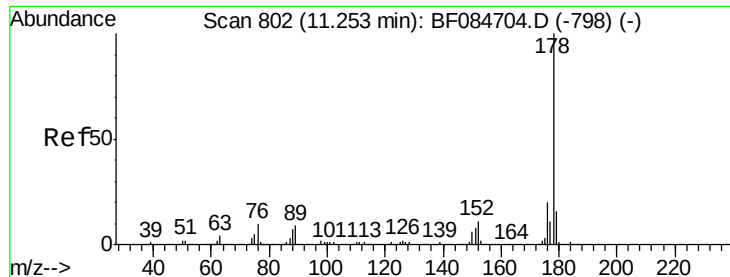


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.03 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.02 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

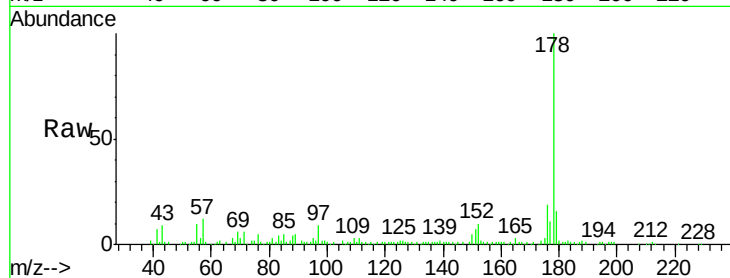
Tgt Ion:178 Resp: 115061

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

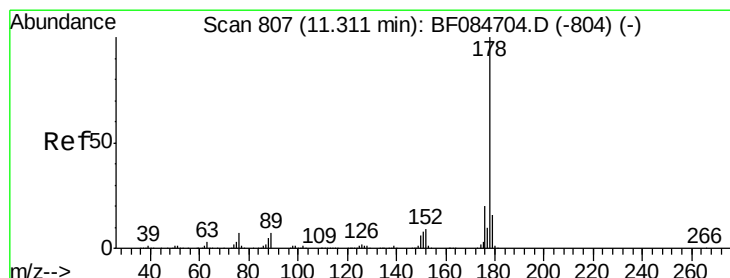
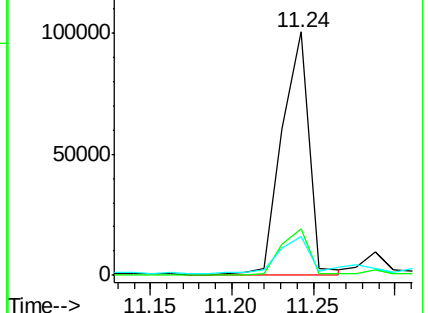
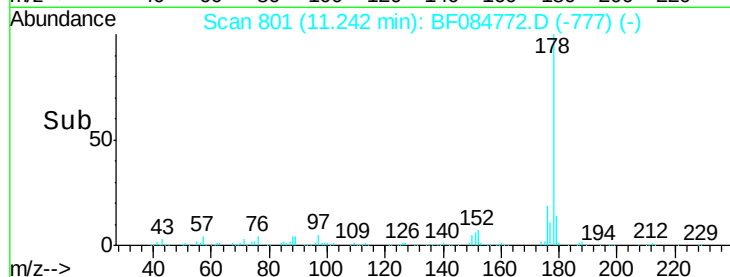
179 16.0 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.01 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.08 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

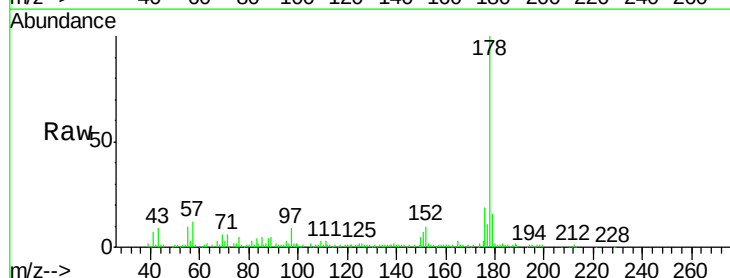
Tgt Ion:178 Resp: 115061

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

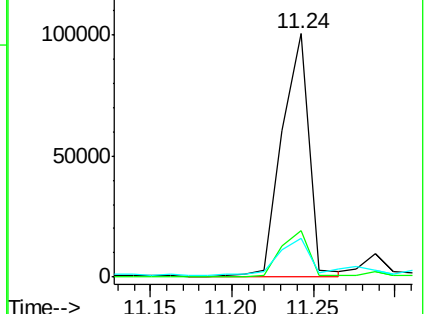
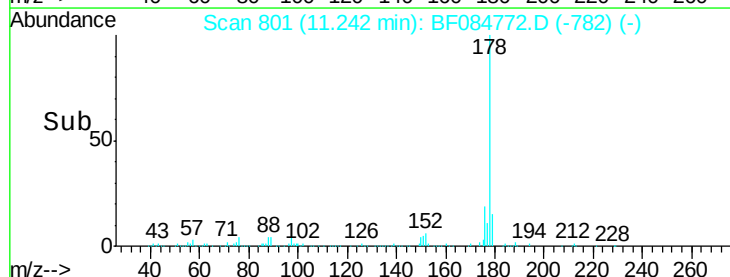
179 16.0 12.5 18.7

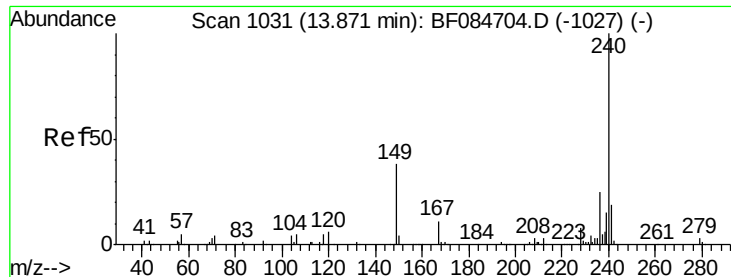


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

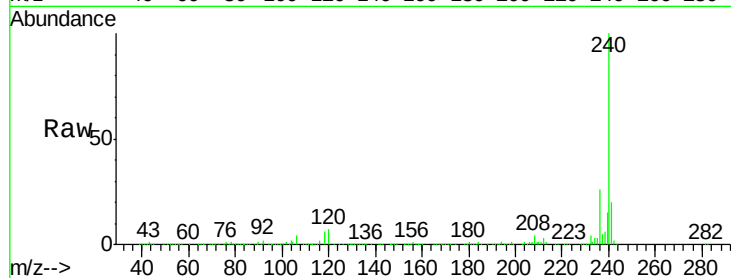
Tgt Ion:240 Resp: 497653

Ion Ratio Lower Upper

240 100

120 6.7 9.5 14.3#

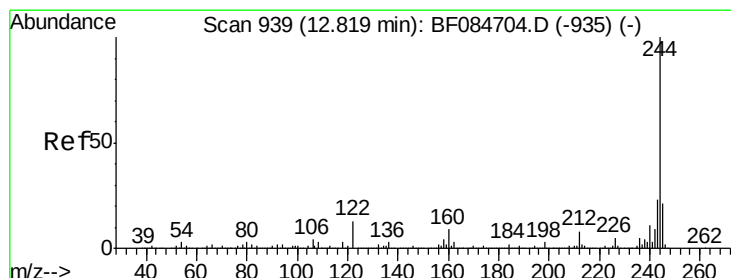
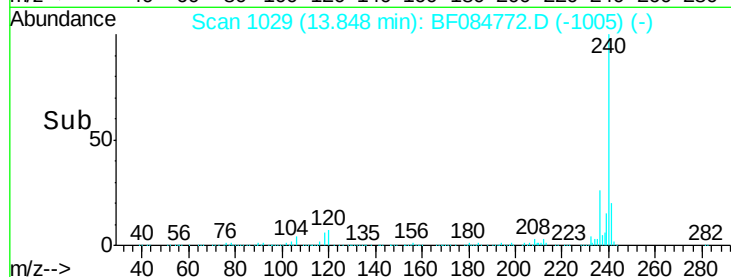
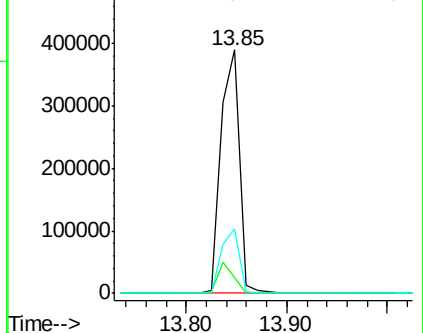
236 26.3 20.6 31.0



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: 90.48 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084772.D

Acq: 3 Feb 2016 4:50

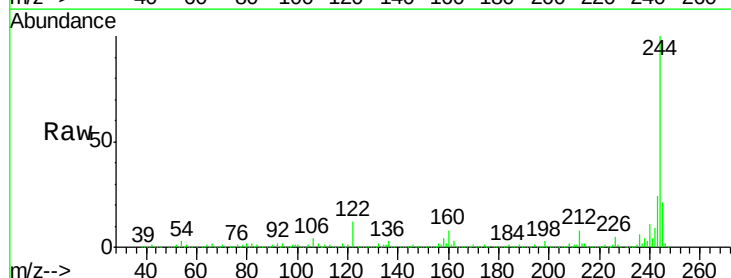
Tgt Ion:244 Resp: 1987012

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

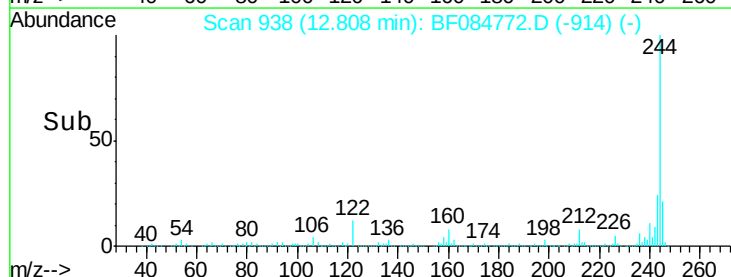
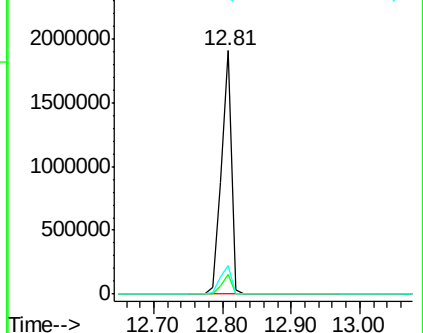
122 11.9 7.4 11.0#

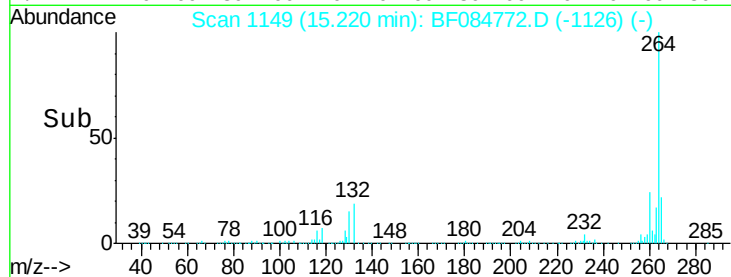
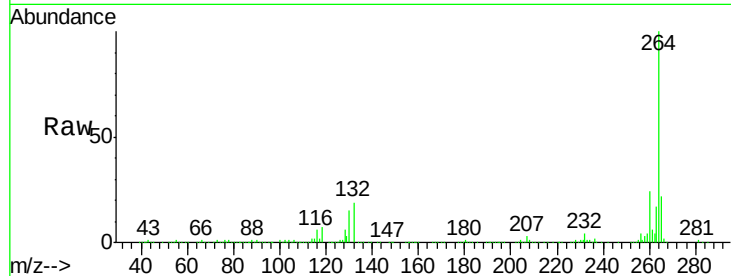
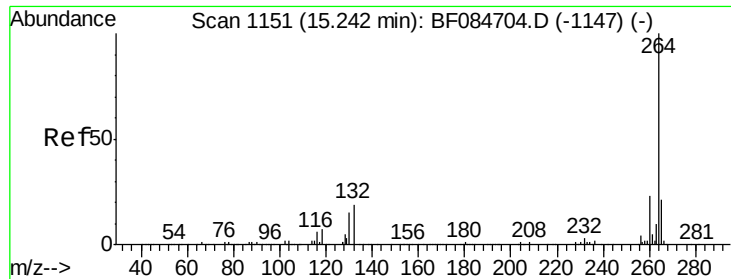


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF084772.D

Acq: 3 Feb 2016 4:50

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

Tgt Ion:264 Resp: 324380

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 22.1 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

