

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 07:01:14 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

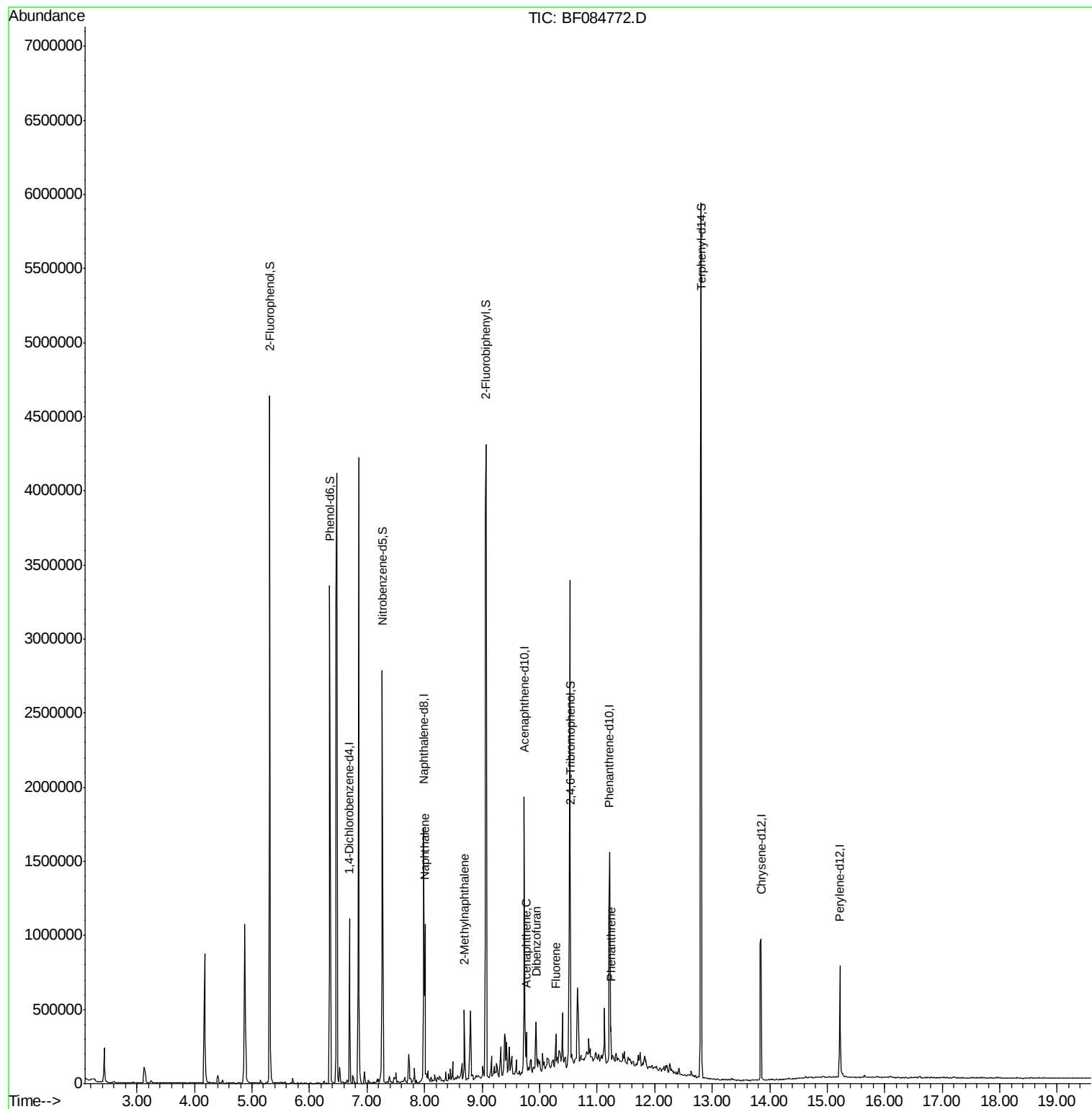
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	180646	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	778962	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	366773	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	684830	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	497653	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
31) Naphthalene	8.01	128	530033	13.57	ng	98
37) 2-Methylnaphthalene	8.69	142	140171	5.73	ng	97
51) Acenaphthene	9.77	154	62551	2.63	ng	97
54) Dibenzofuran	9.94	168	64562	2.22	ng	# 91
57) Fluorene	10.28	166	62388	2.57	ng	98
70) Phenanthrene	11.24	178	115061	3.03	ng	99

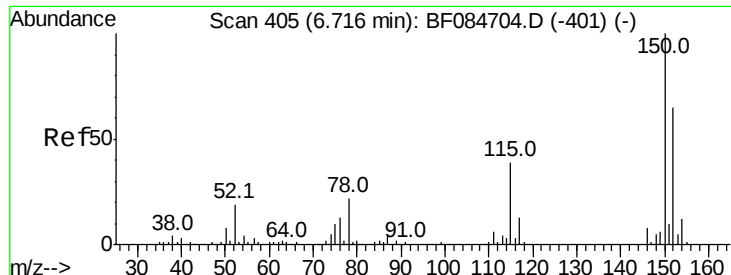
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

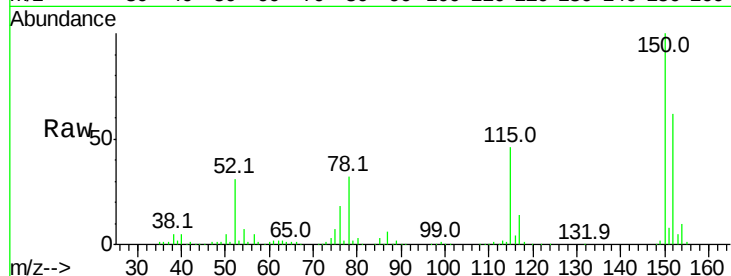
Tot Ion:152 Resp: 180646

Ion Ratio Lower Upper

152 100

150 161.0 123.0 184.4

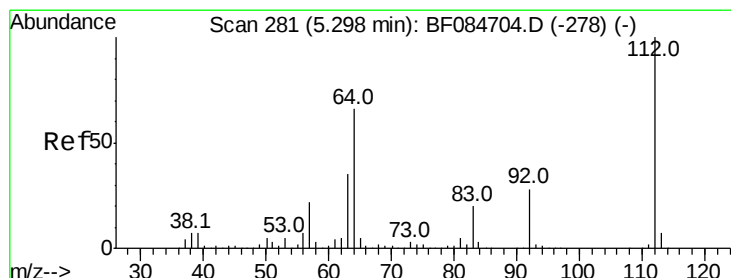
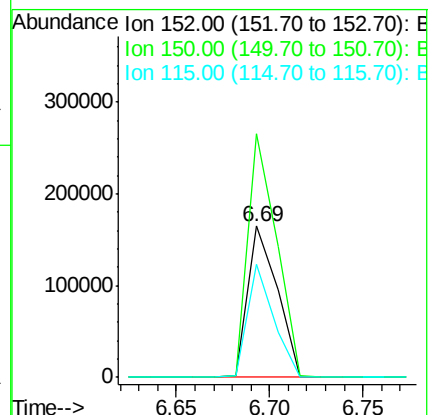
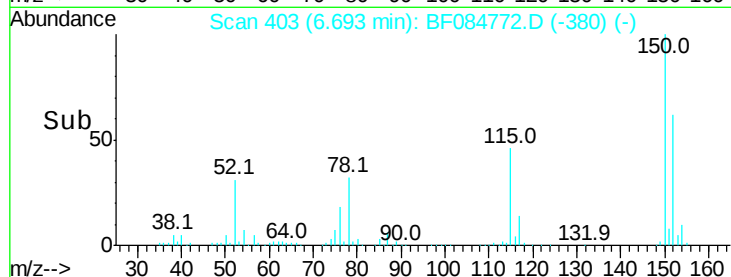
115 74.6 51.4 77.2



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

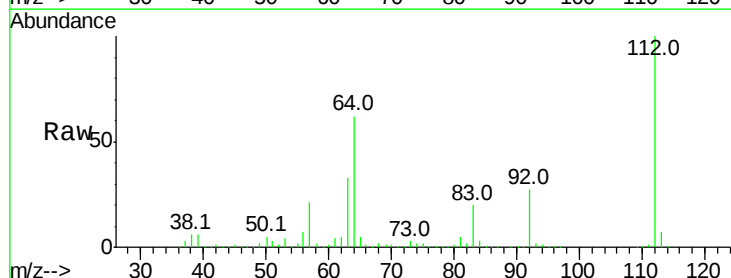
Tgt Ion:112 Resp: 1331323

Ion Ratio Lower Upper

112 100

64 61.5 36.6 55.0#

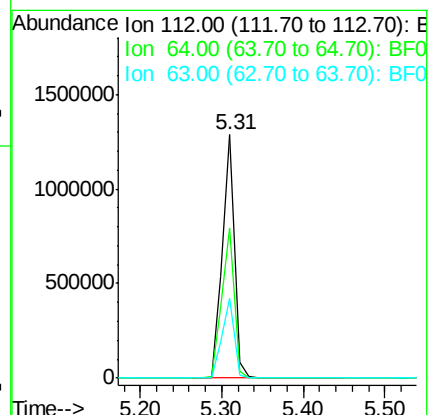
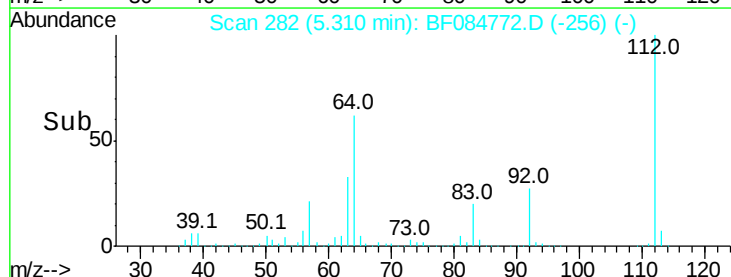
63 32.8 19.4 29.0#

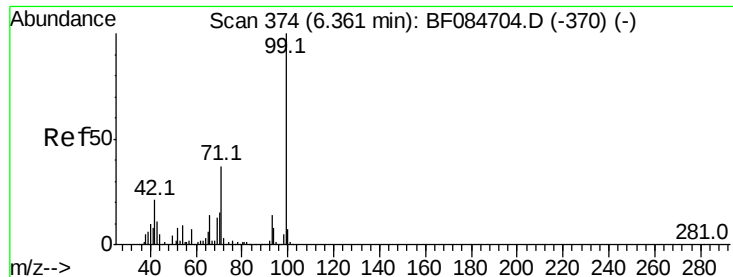


Abundance Ion 112.00 (111.70 to 112.70): E

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 :

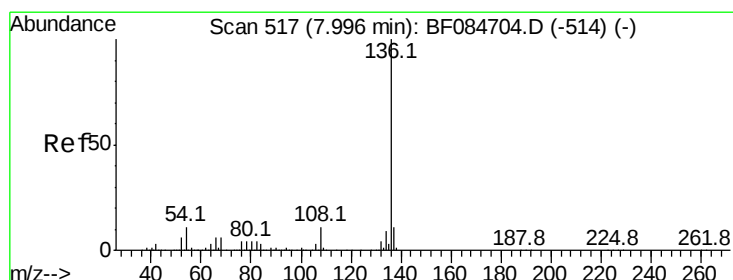
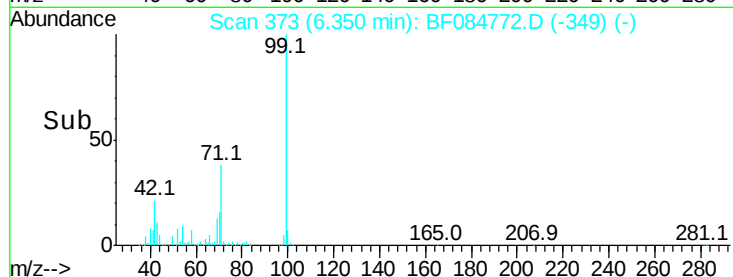
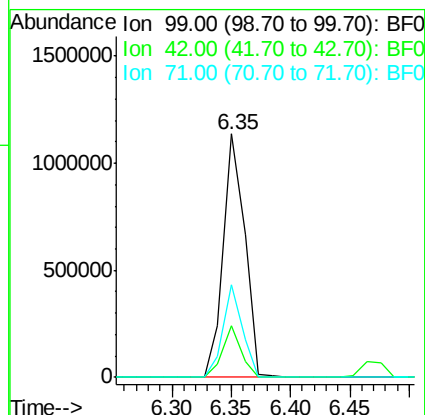
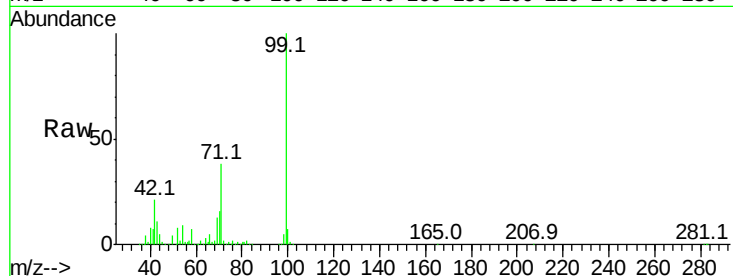
BNA_F

ClientSampled :

BLFS-SOIL01

Tot Ion: 99 Resp: 1421841

Ion	Ratio	Lower	Upper
99	100		
42	21.2	12.8	19.2#
71	38.0	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

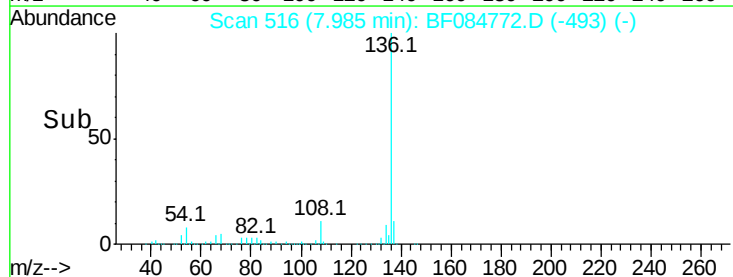
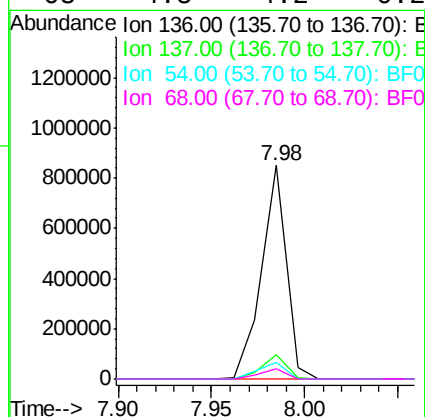
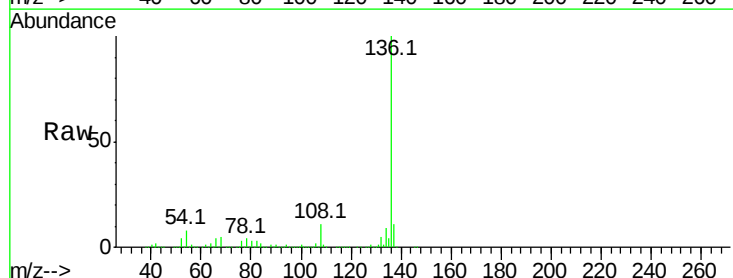
Delta R.T. -0.03 min

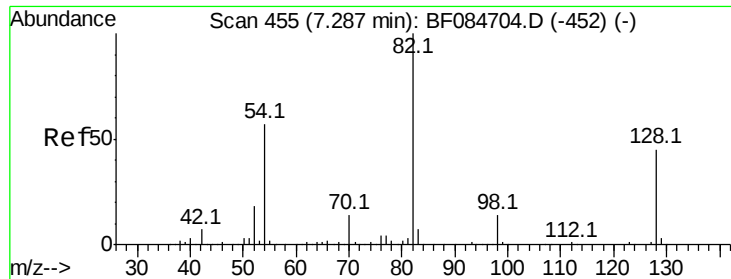
Lab File: BF084772.D

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

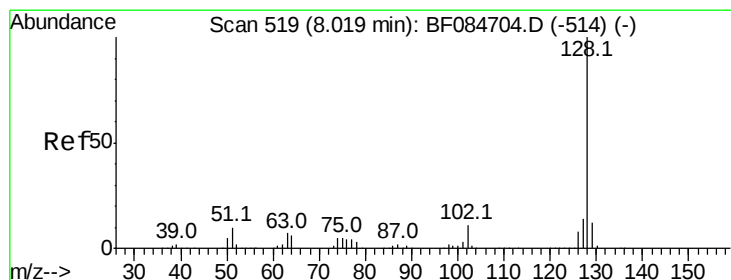
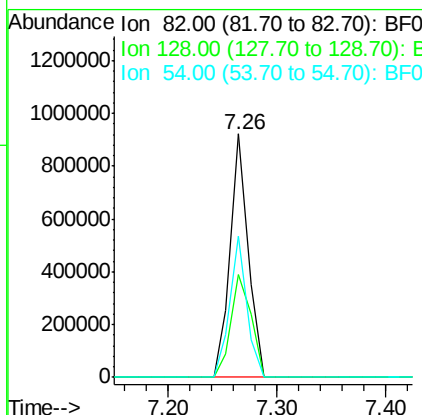
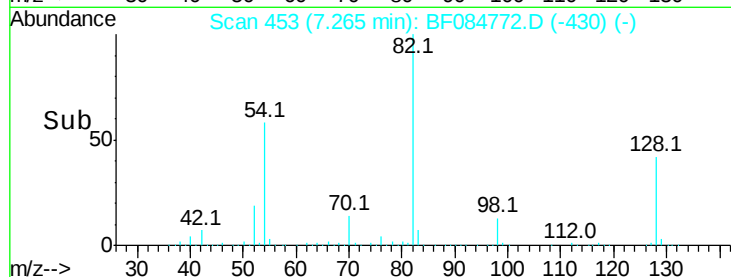
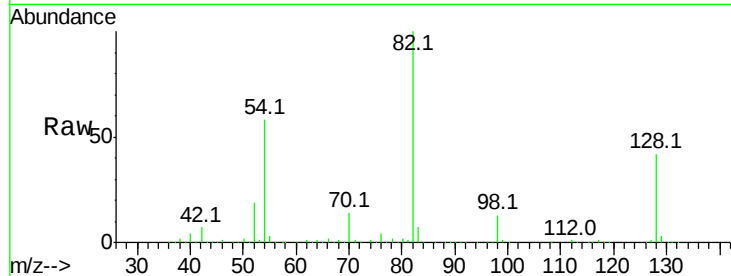




#23
Nitrobenzene-d5
Concen: 76.36 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

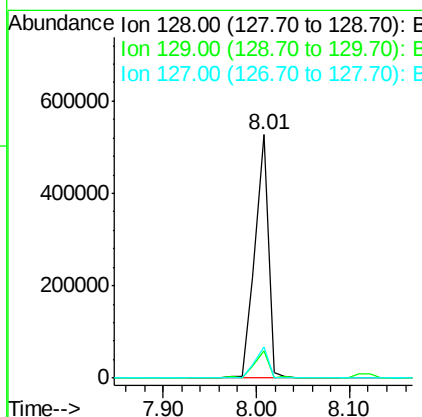
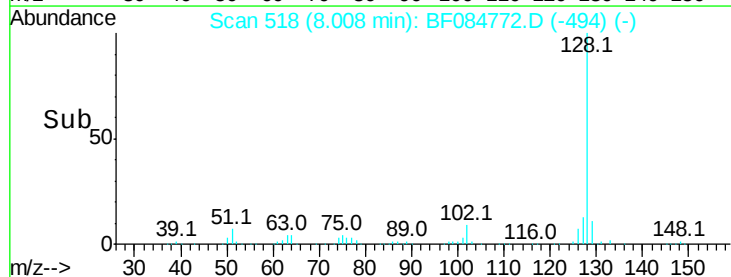
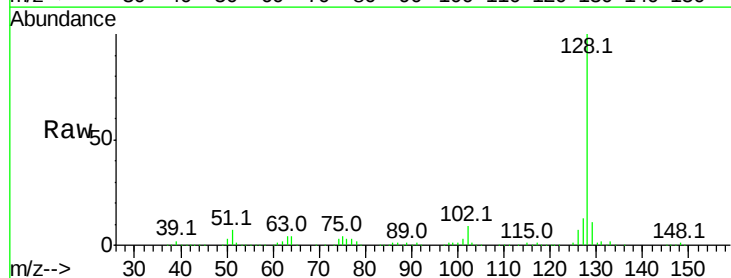
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

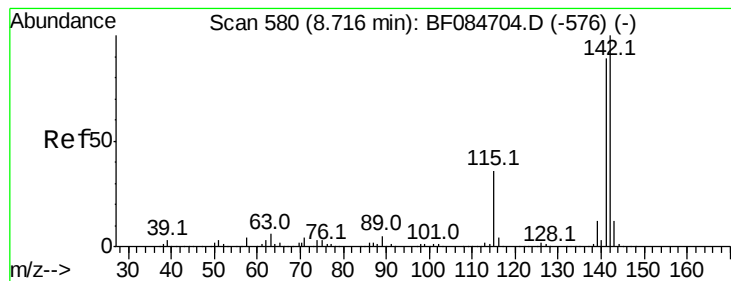
Tot Ion: 82 Resp: 1055873
Ion Ratio Lower Upper
82 100
128 42.4 34.6 51.8
54 58.1 38.4 57.6#



#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

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

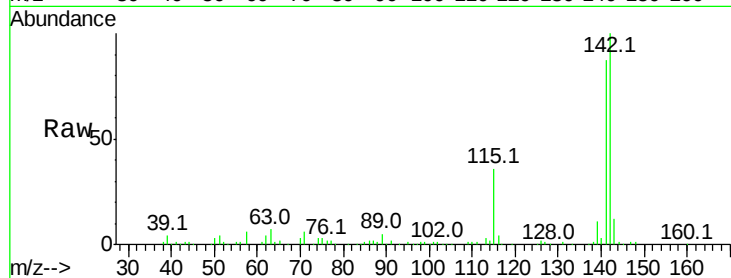




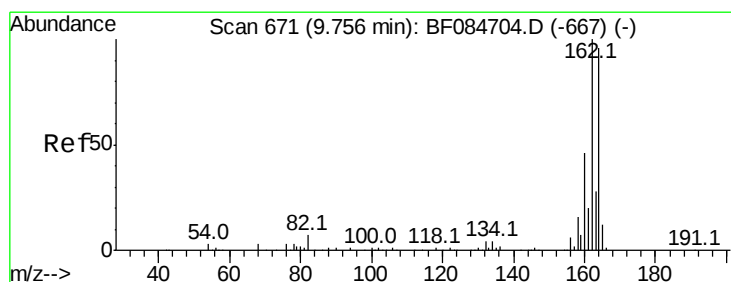
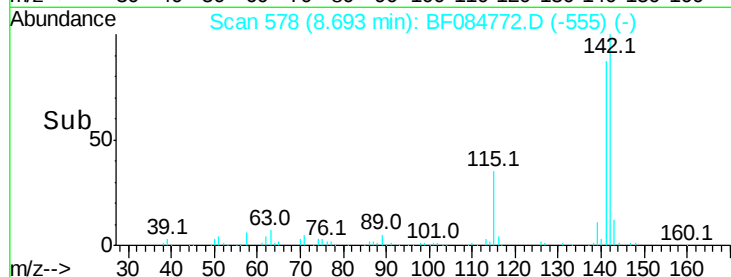
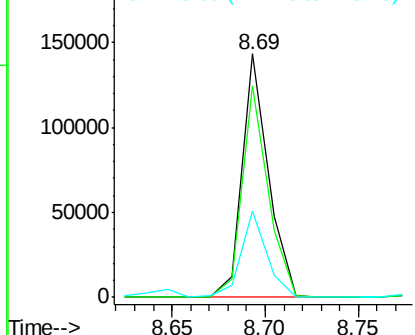
#37
2-Methylnaphthalene
Concen: 5.73 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.03 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

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

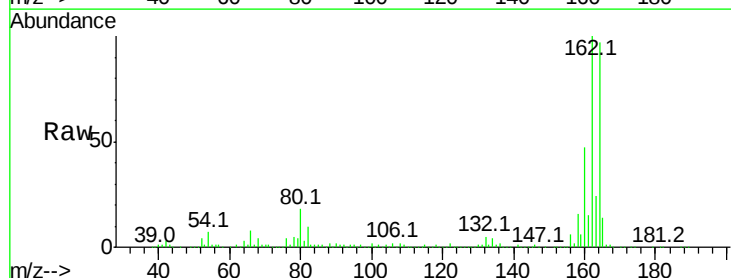


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

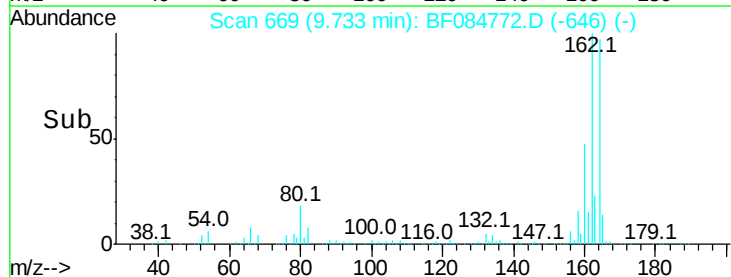
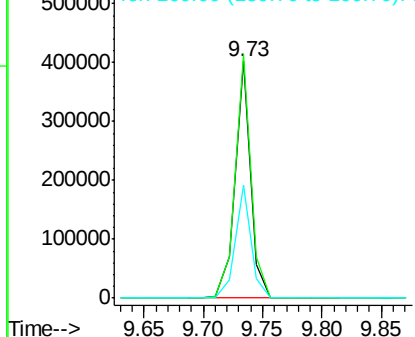


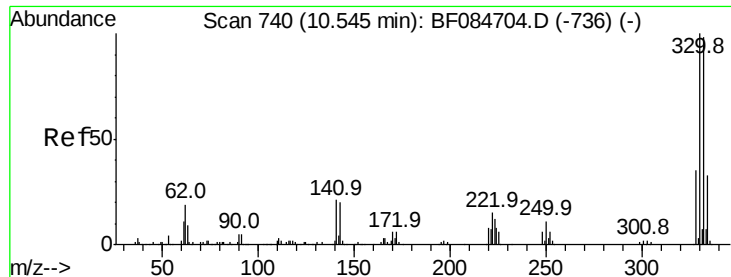
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

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

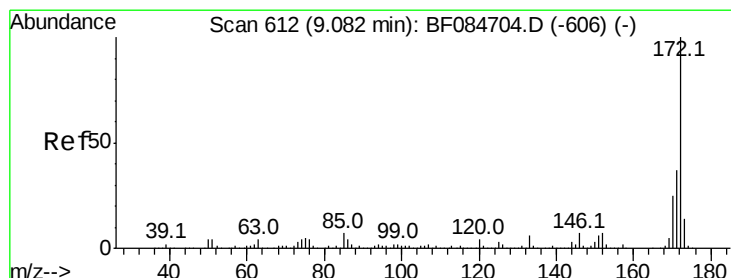
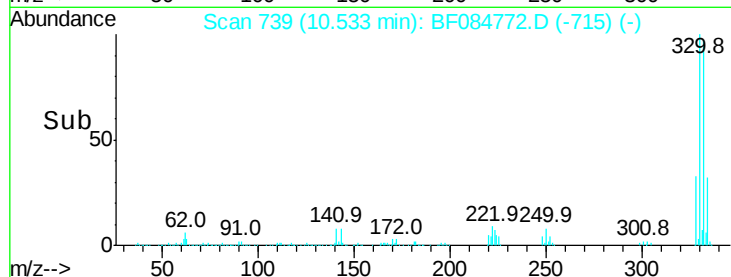
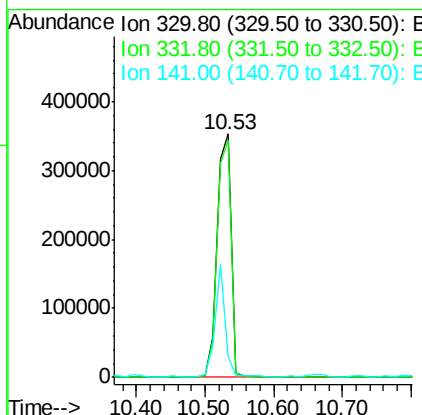
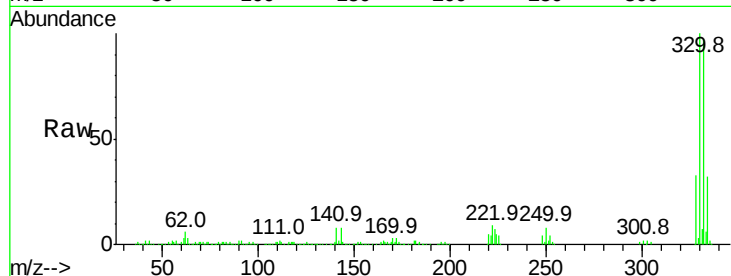




#41
 2,4,6-Tribromophenol
 Concen: 134.30 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084772.D
 Acq: 3 Feb 2016 4:50

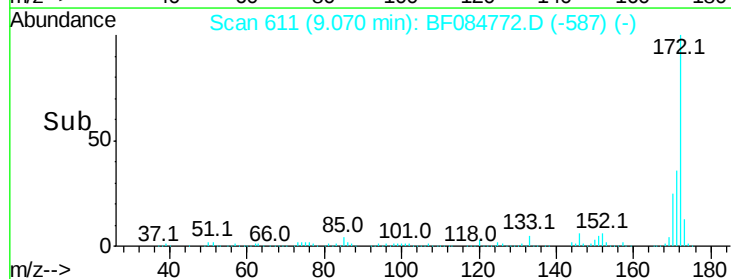
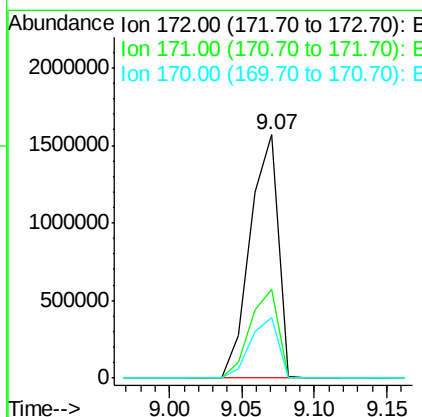
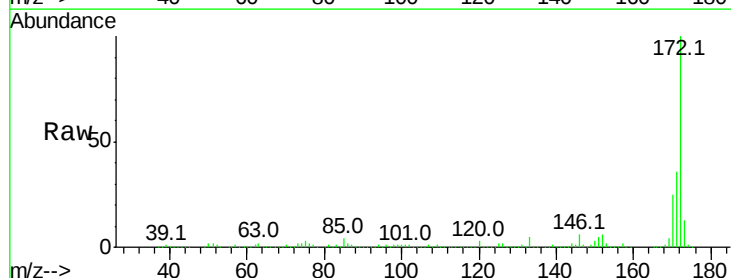
Instrument :
 BNA_F
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 BLFS-SOIL01

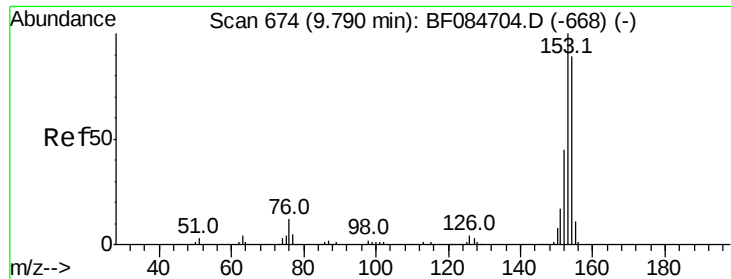
Tot Ion:330 Resp: 513796
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 33.1 27.8 41.6



#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





#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

Instrument :

BNA_F

ClientSampled :

BLFS-SOIL01

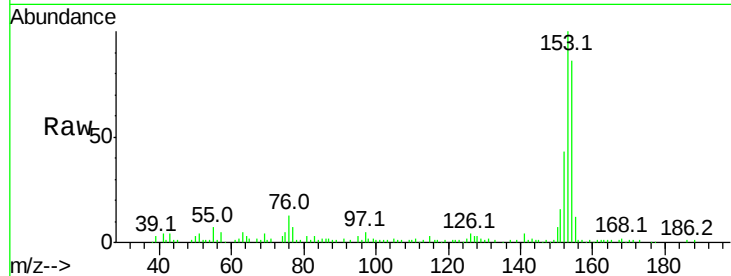
Tot Ion:154 Resp: 62551

Ion Ratio Lower Upper

154 100

153 116.4 91.5 137.3

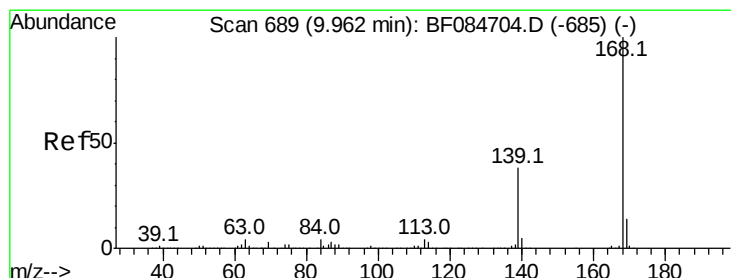
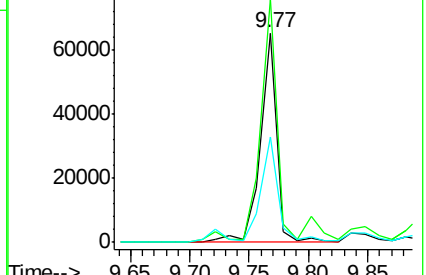
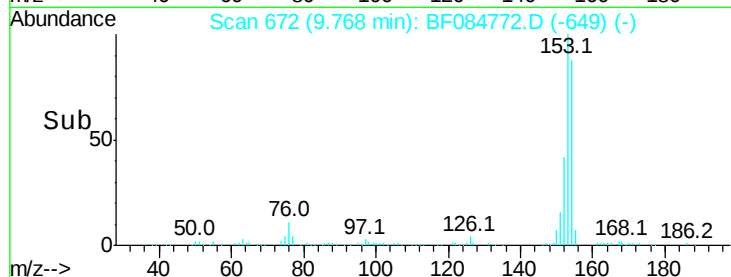
152 50.1 43.0 64.6



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



#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

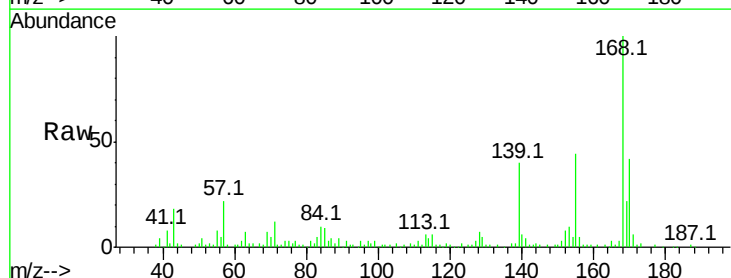
Tgt Ion:168 Resp: 64562

Ion Ratio Lower Upper

168 100

139 40.5 30.5 45.7

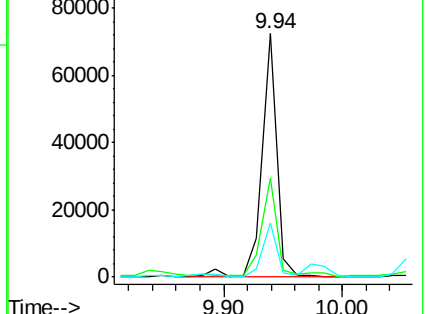
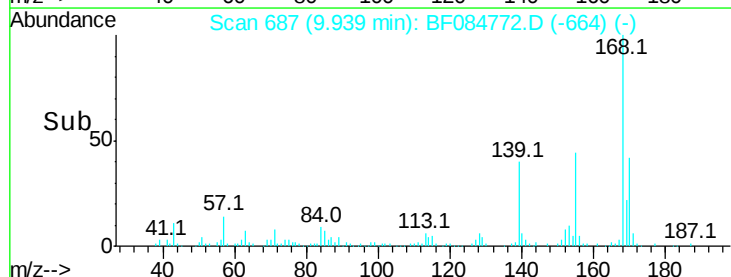
169 22.2 10.4 15.6#

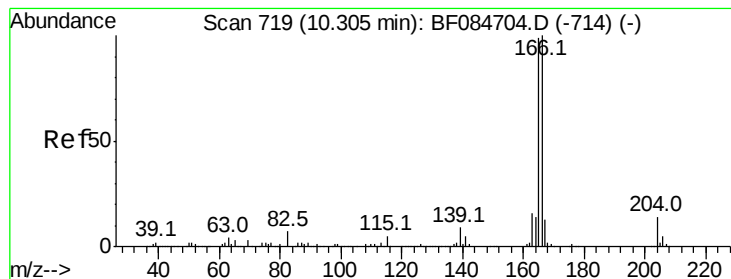


Abundance Ion 168.00 (167.70 to 168.70): E

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

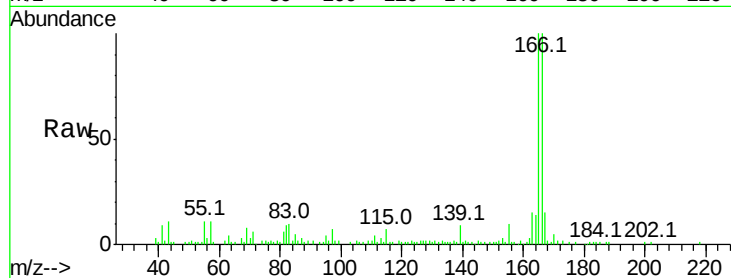
Tot Ion:166 Resp: 62388

Ion Ratio Lower Upper

166 100

165 100.3 79.1 118.7

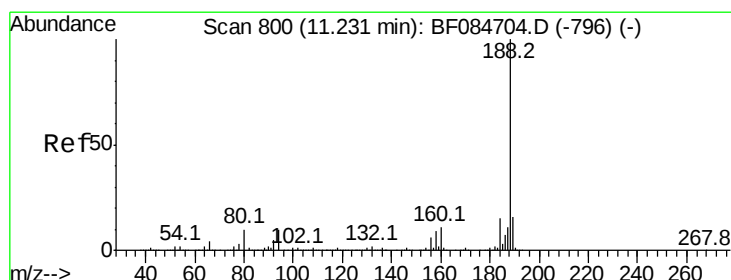
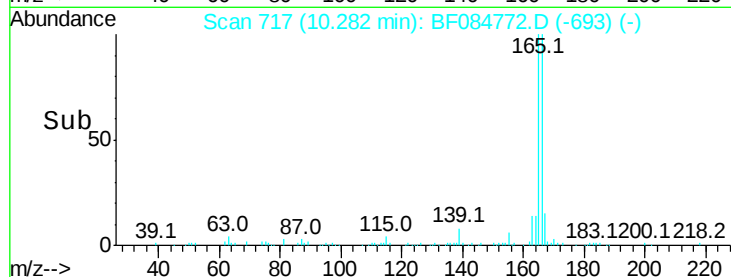
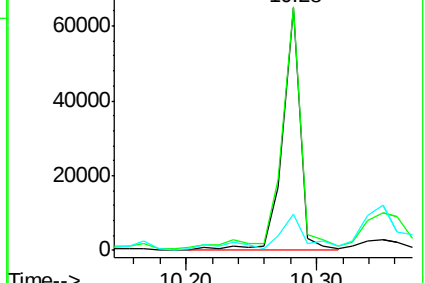
167 15.2 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#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

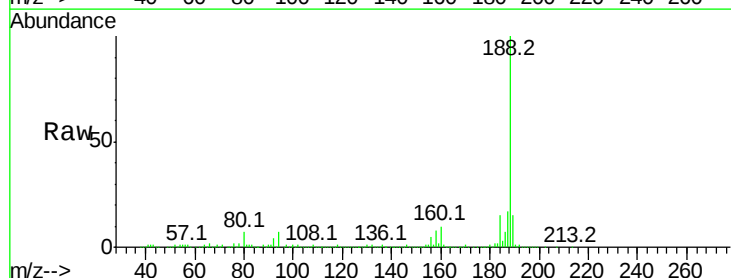
Tgt Ion:188 Resp: 684830

Ion Ratio Lower Upper

188 100

94 6.7 9.0 13.4#

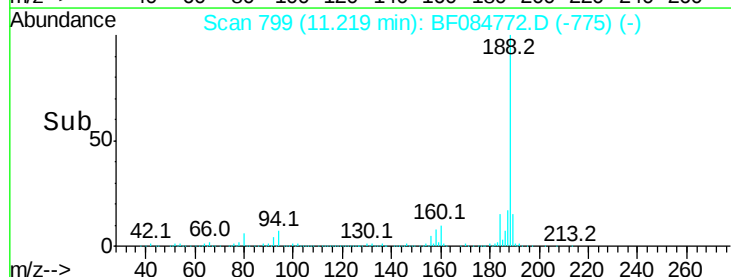
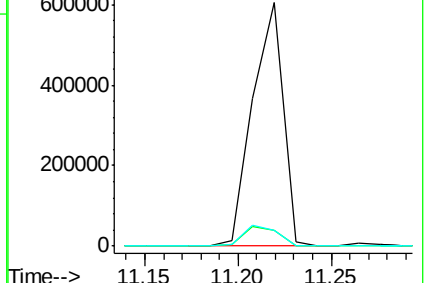
80 6.6 9.6 14.4#

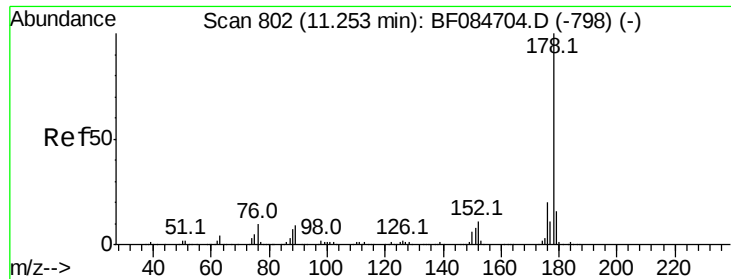


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

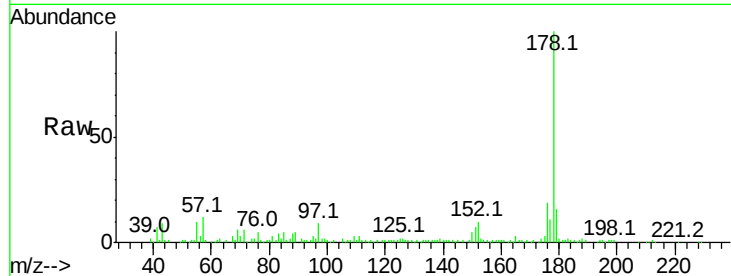




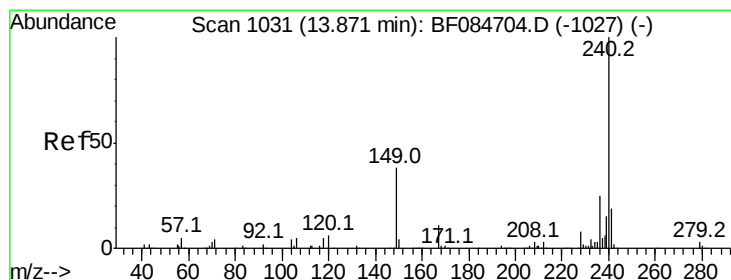
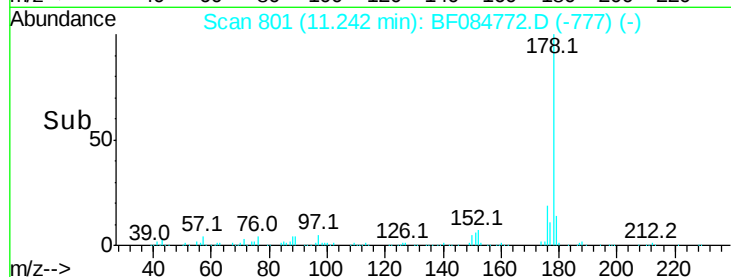
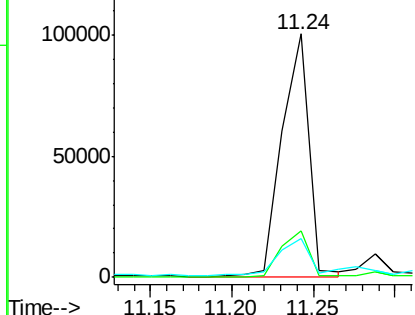
#70
Phenanthrene
Concen: 3.03 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

Tot Ion:178 Resp: 115061
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 16.0 12.0 18.0

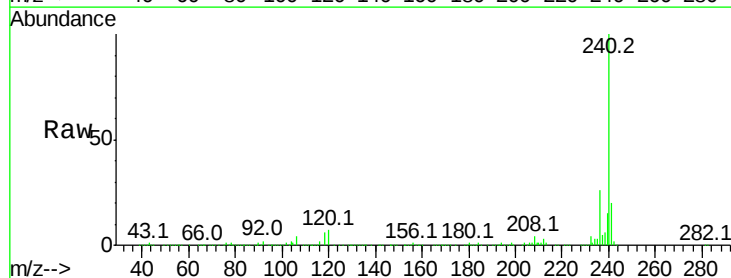


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

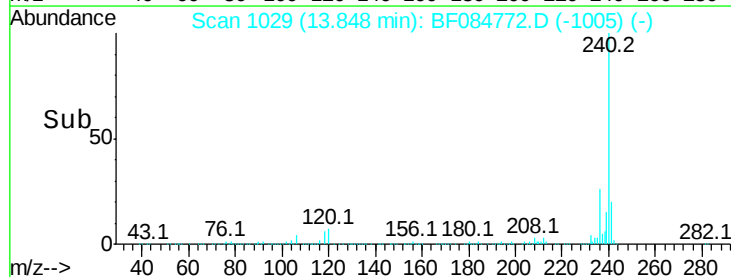
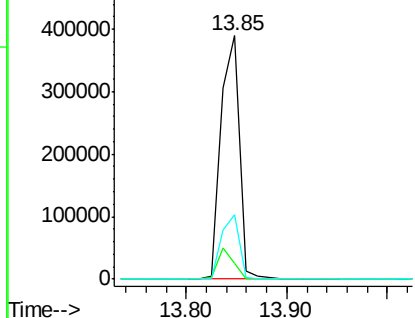


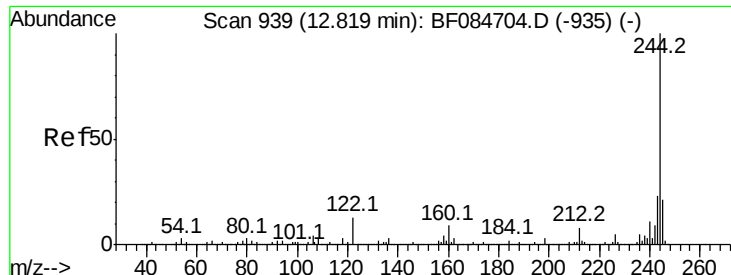
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF084772.D
Acq: 3 Feb 2016 4:50

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

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

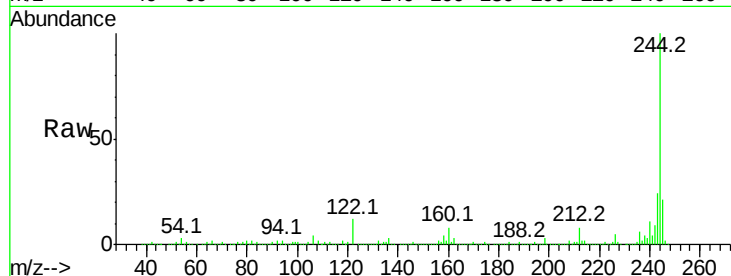
Tot Ion:244 Resp: 1987012

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

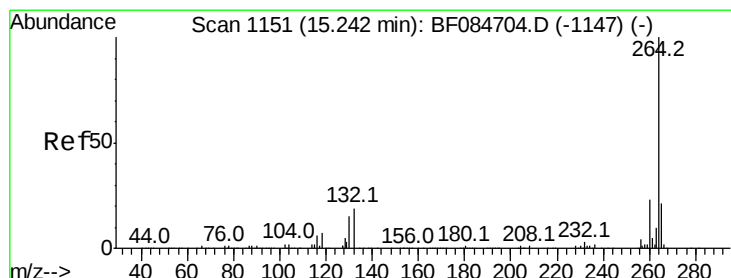
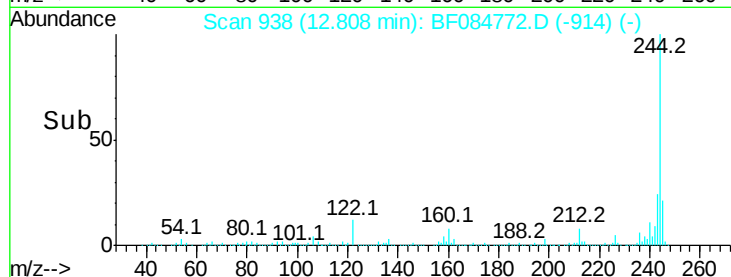
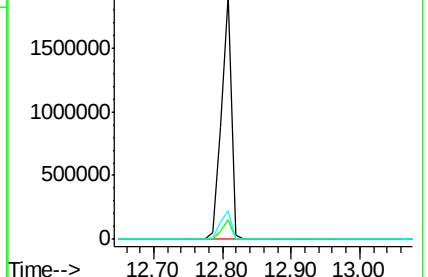
122 11.9 7.4 11.0#



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

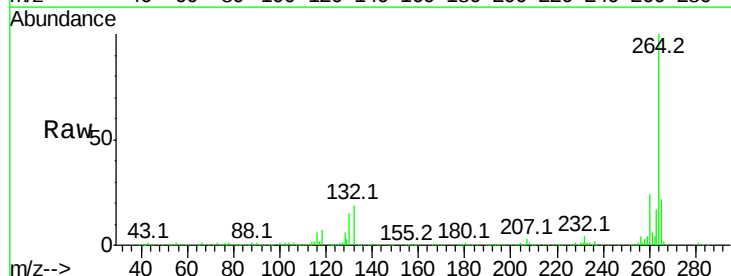
Tgt Ion:264 Resp: 324380

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

