

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084736.D
 Acq On : 2 Feb 2016 3:45
 Operator : SJ/IZ
 Sample : H1306-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL02

Quant Time: Feb 02 04:29:50 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

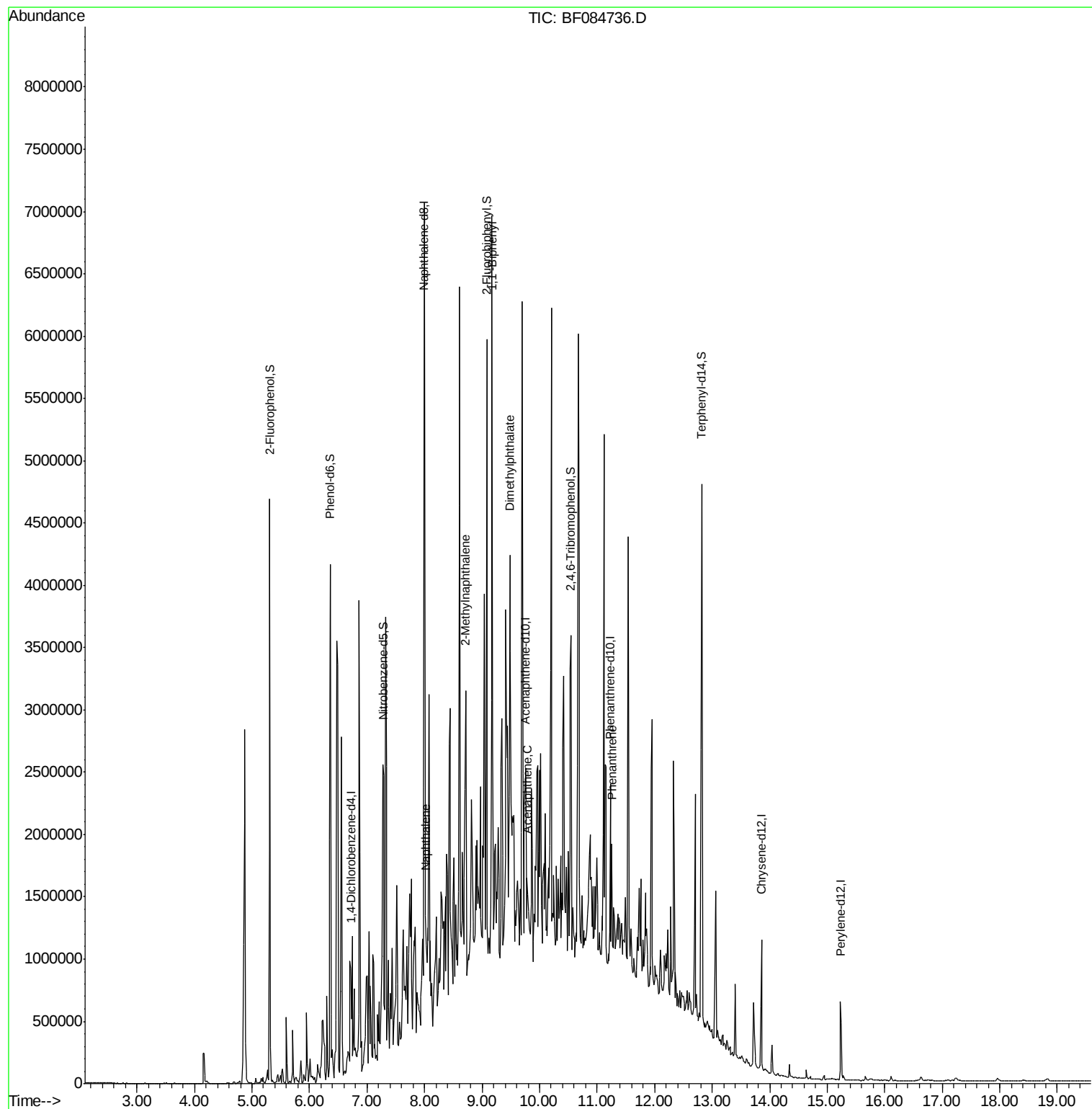
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	161334	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	537186	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	293262	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	525308	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	417560	20.00	ng	-0.01
86) Perylene-d12	15.23	264	316103	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1299883	125.50	ng	0.00
7) Phenol-d6	6.36	99	1493369	116.30	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1070673	112.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	411512	134.53	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1587041	94.80	ng	-0.01
78) Terphenyl-d14	12.82	244	1521062	82.55	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.02	128	224261	8.32	ng	# 96
37) 2-Methylnaphthalene	8.72	142	688661	40.84	ng	98
45) 1,1'-Biphenyl	9.17	154	84709	3.23	ng	94
49) Dimethylphthalate	9.48	163	662048	29.64	ng	# 91
51) Acenaphthene	9.78	154	47525	2.50	ng	93
70) Phenanthrene	11.25	178	299632	10.28	ng	97

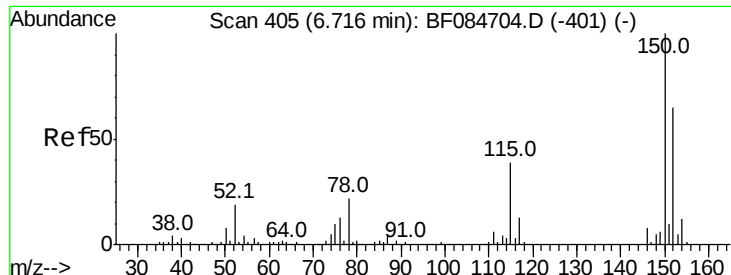
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

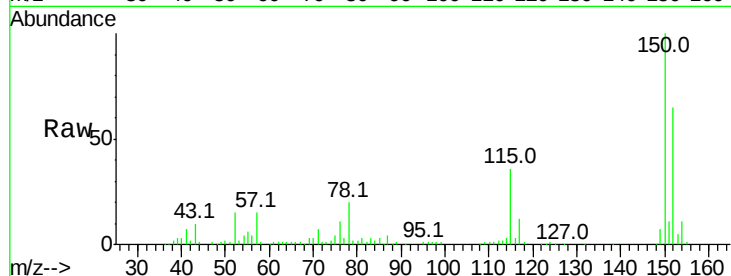
Tot Ion:152 Resp: 161334

Ion Ratio Lower Upper

152 100

150 153.4 123.0 184.4

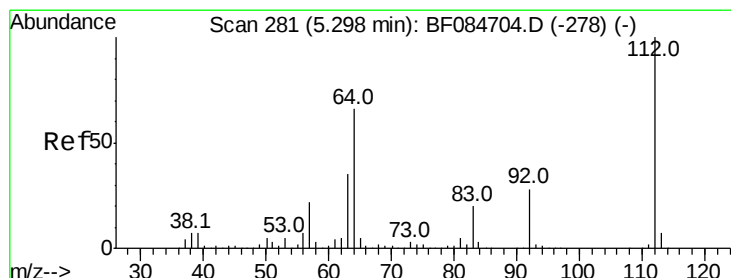
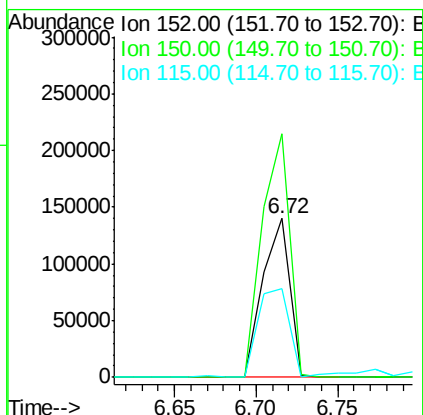
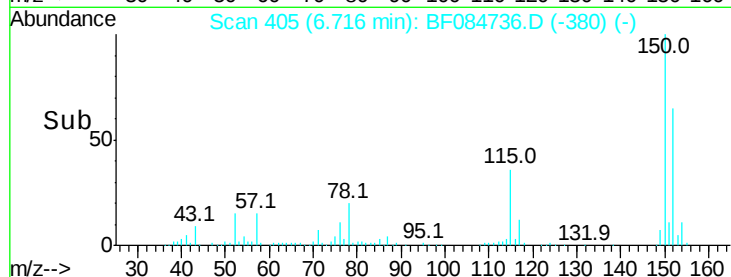
115 55.9 51.4 77.2



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: 125.50 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

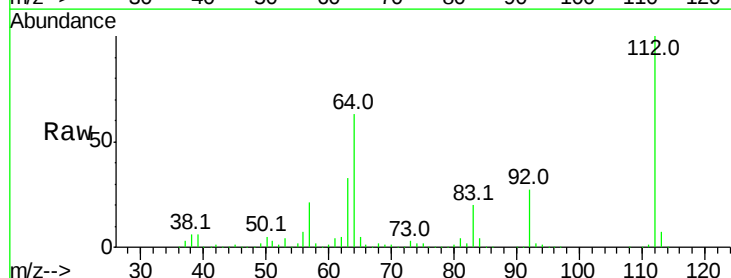
Tgt Ion:112 Resp: 1299883

Ion Ratio Lower Upper

112 100

64 63.2 36.6 55.0#

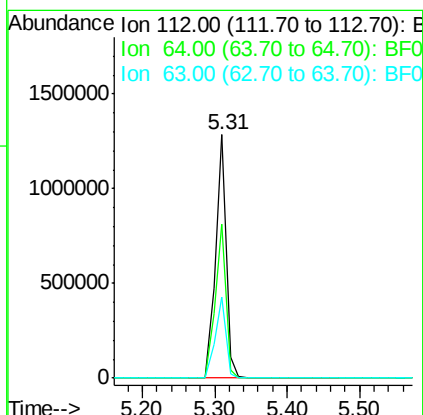
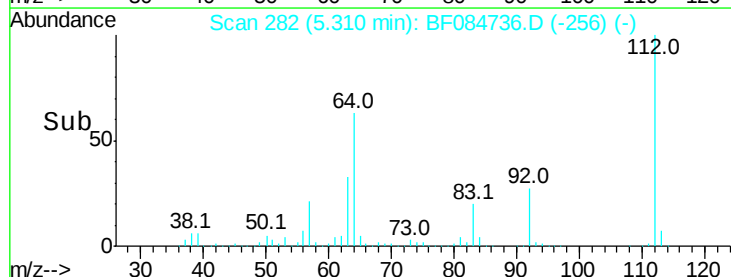
63 33.3 19.4 29.0#

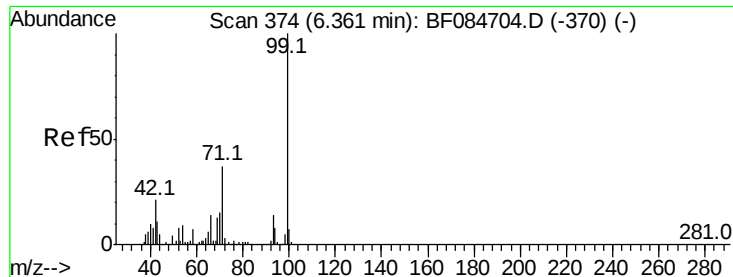


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.30 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

Instrument :

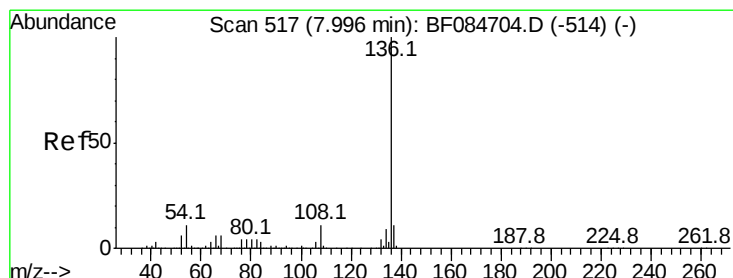
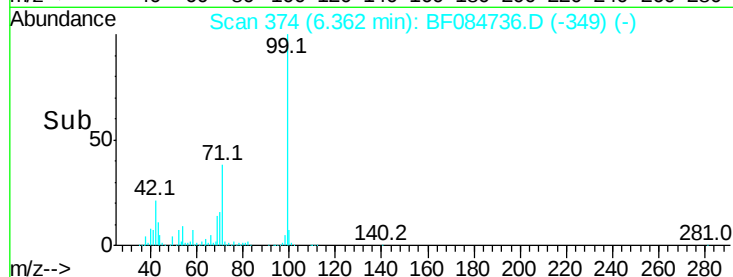
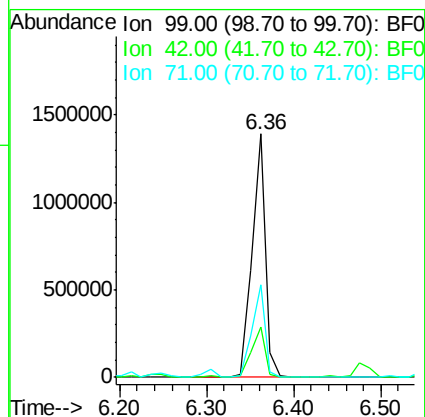
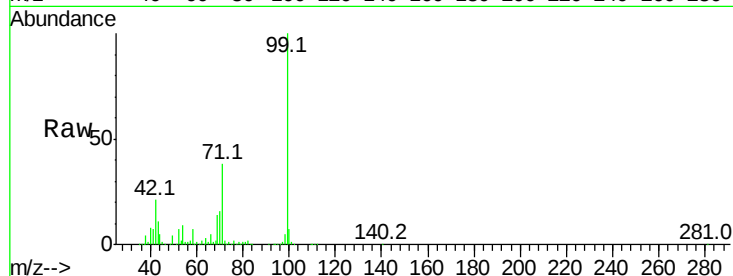
BNA_F

ClientSampleId :

BLFS-SOIL02

Tot Ion: 99 Resp: 1493369

Ion	Ratio	Lower	Upper
99	100		
42	20.8	12.8	19.2#
71	37.9	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

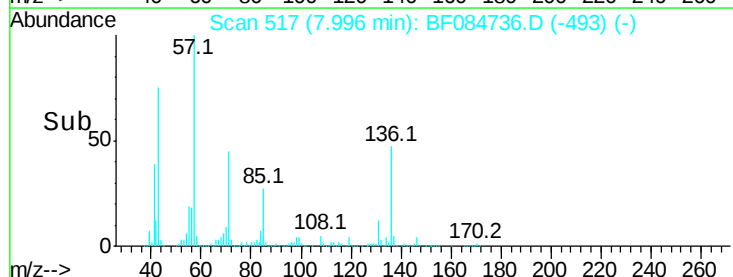
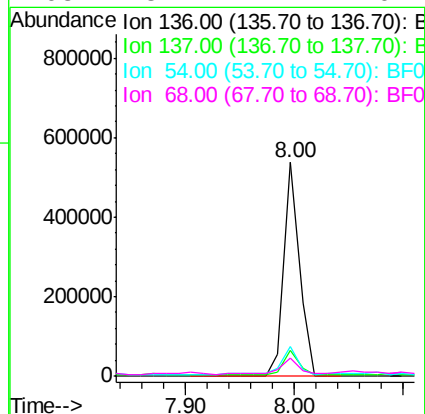
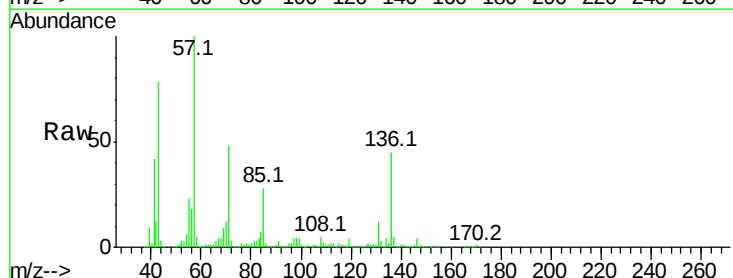
Delta R.T. -0.02 min

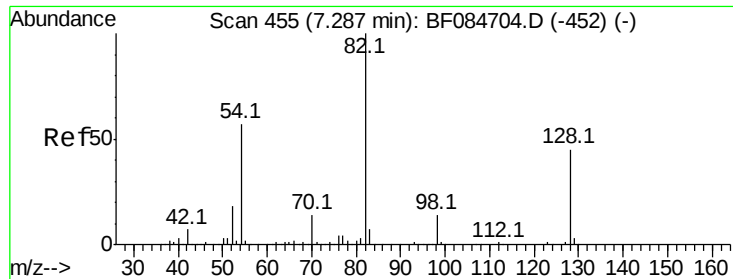
Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

Tgt Ion: 136 Resp: 537186

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.7	13.1
54	13.8	5.8	8.8#
68	8.4	4.2	6.2#

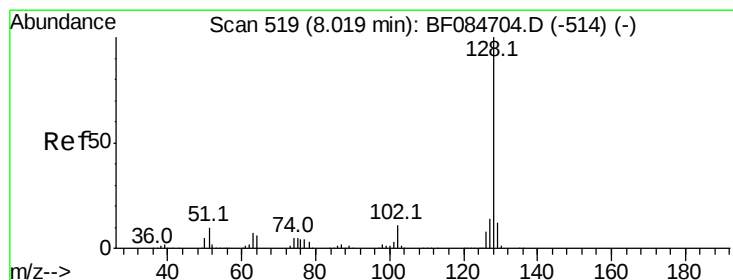
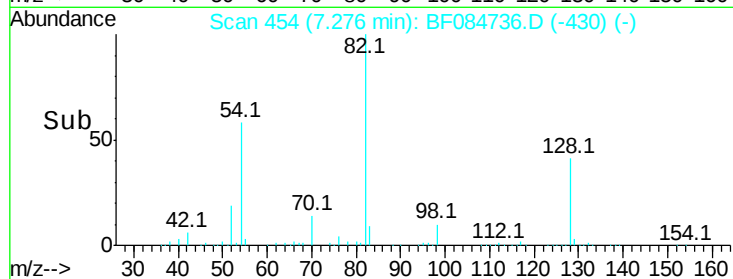
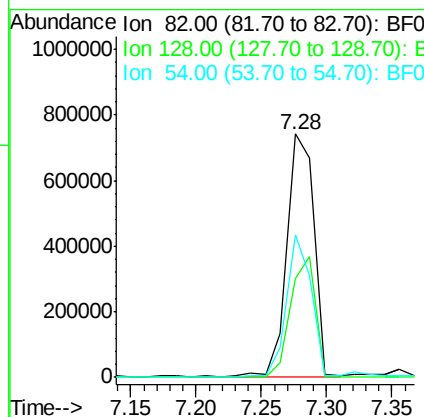
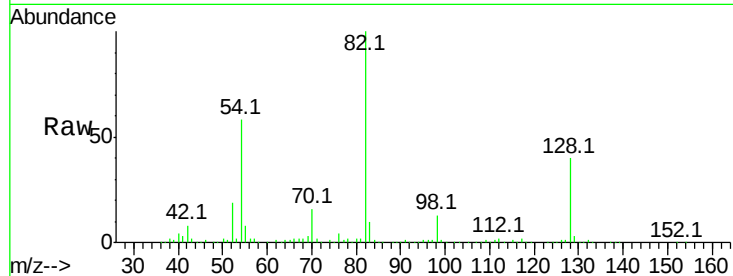




#23
Nitrobenzene-d5
Concen: 112.28 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF084736.D
Acq: 2 Feb 2016 3:45

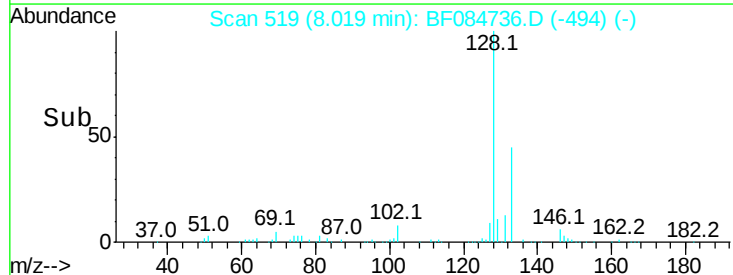
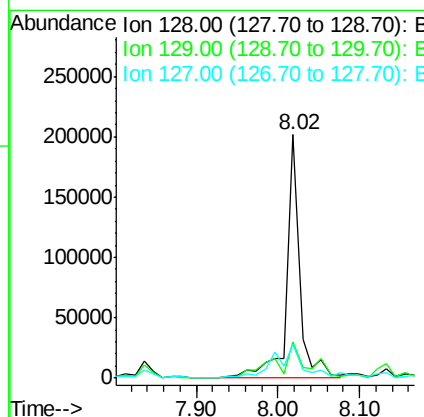
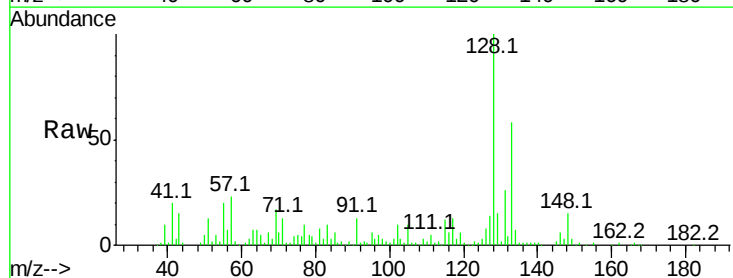
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL02

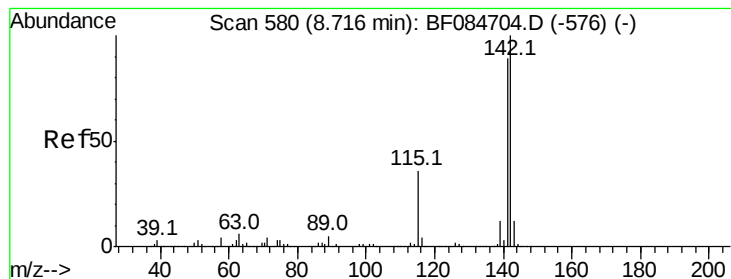
Tot Ion: 82 Resp: 1070673
Ion Ratio Lower Upper
82 100
128 40.4 34.6 51.8
54 58.3 38.4 57.6#



#31
Naphthalene
Concen: 8.32 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF084736.D
Acq: 2 Feb 2016 3:45

Tgt Ion:128 Resp: 224261
Ion Ratio Lower Upper
128 100
129 15.0 9.1 13.7#
127 14.0 11.1 16.7





#37

2-Methylnaphthalene

Concen: 40.84 ng

RT: 8.72 min Scan# 580

Delta R.T. -0.01 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

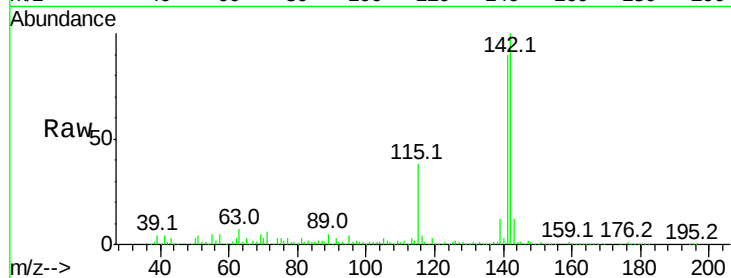
Tot Ion:142 Resp: 688661

Ion Ratio Lower Upper

142 100

141 90.1 72.4 108.6

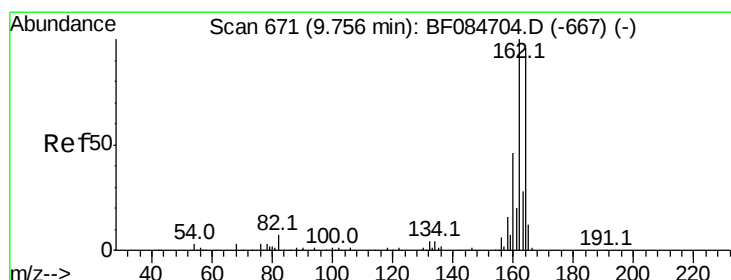
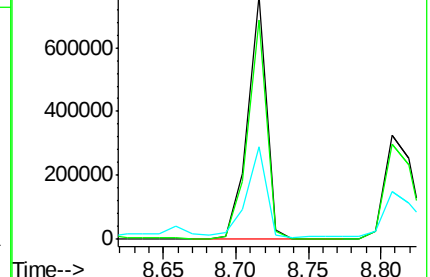
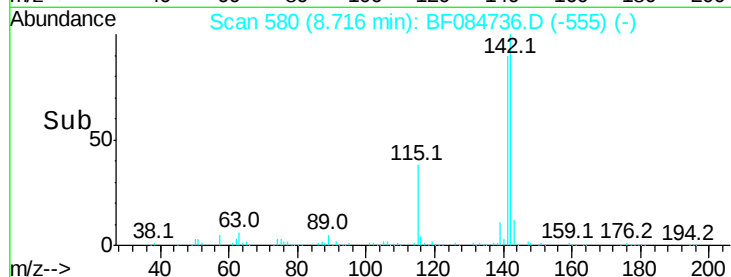
115 38.1 27.9 41.9



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: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

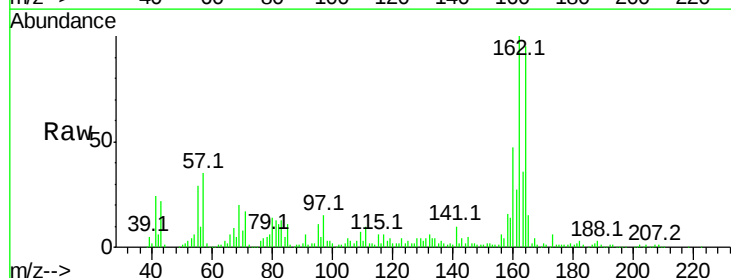
Tgt Ion:164 Resp: 293262

Ion Ratio Lower Upper

164 100

162 105.3 85.1 127.7

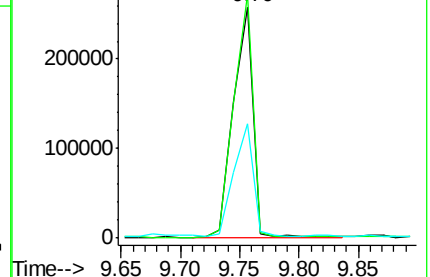
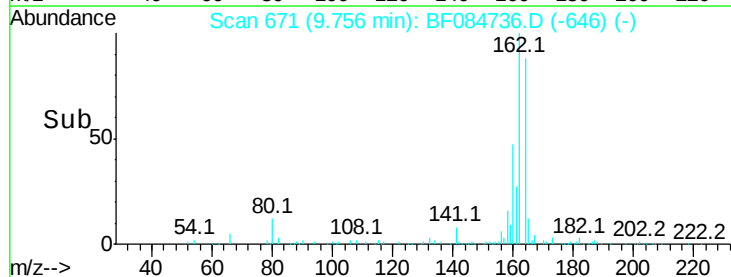
160 49.4 37.5 56.3

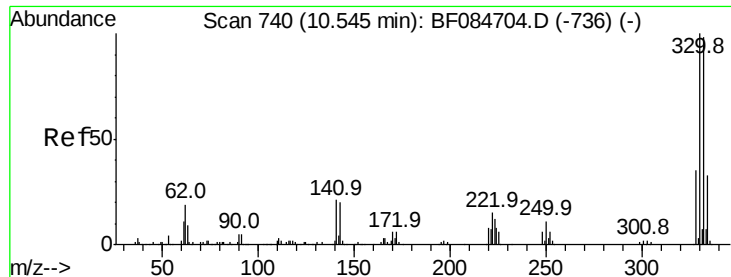


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

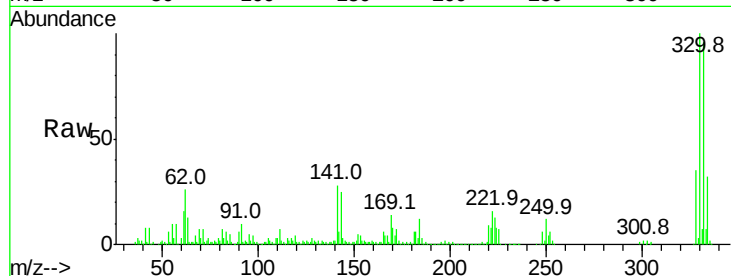




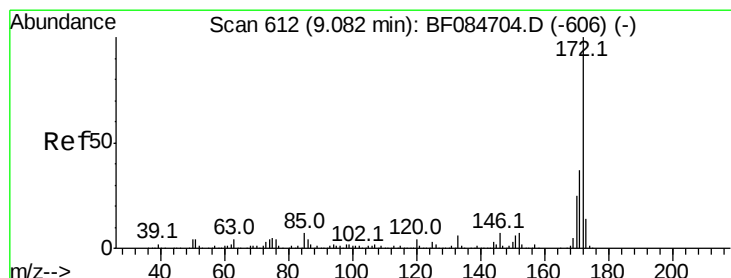
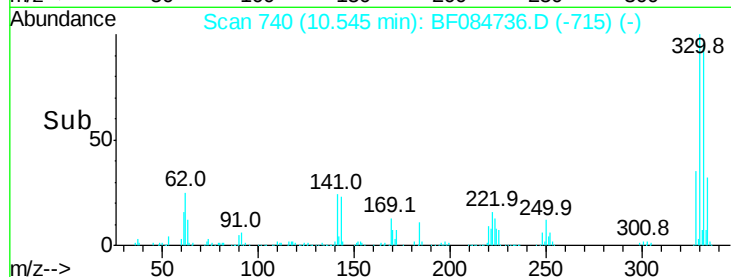
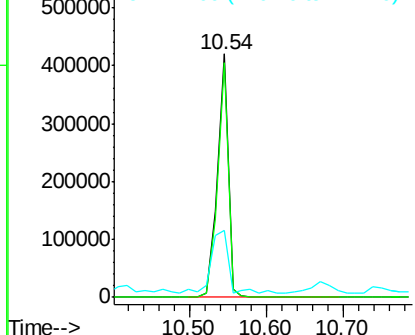
#41
 2,4,6-Tribromophenol
 Concen: 134.53 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084736.D
 Acq: 2 Feb 2016 3:45

Instrument :
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 ClientSampleId :
 BLFS-SOIL02

Tot Ion:330 Resp: 411512
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 114.8
 141 39.6 27.8 41.6

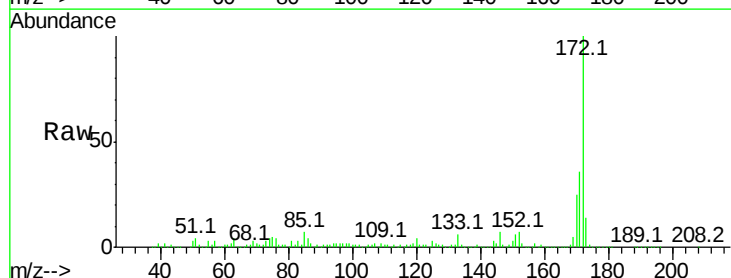


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

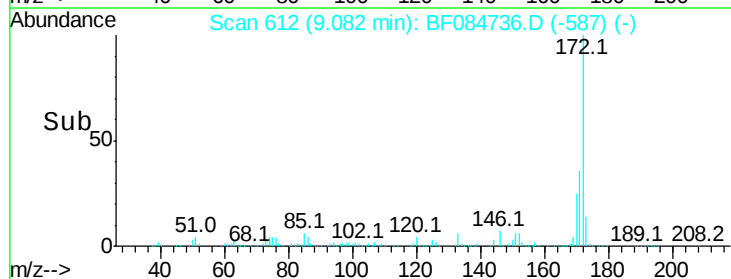
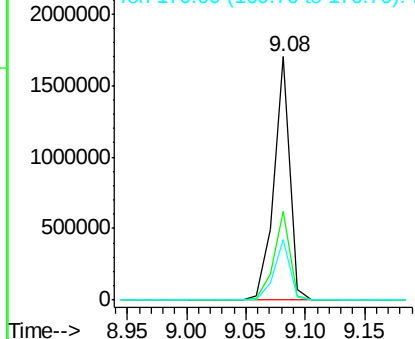


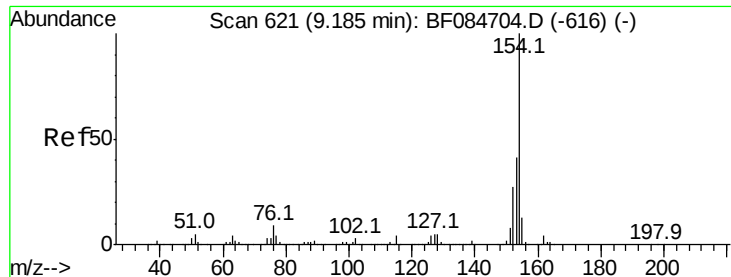
#44
 2-Fluorobiphenyl
 Concen: 94.80 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF084736.D
 Acq: 2 Feb 2016 3:45

Tgt Ion:172 Resp: 1587041
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 24.7 18.6 27.8



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





#45

1,1'-Biphenyl

Concen: 3.23 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

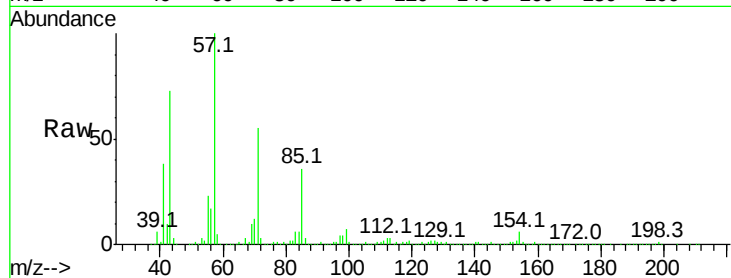
Tot Ion:154 Resp: 84709

Ion Ratio Lower Upper

154 100

153 37.2 21.6 61.6

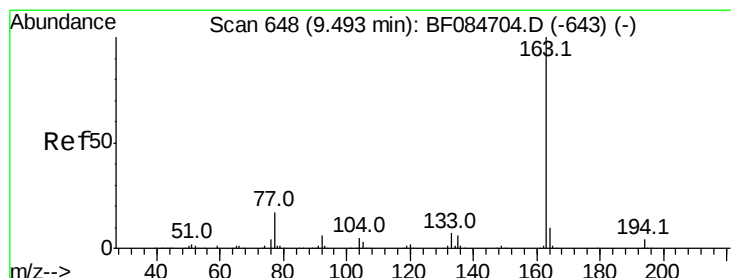
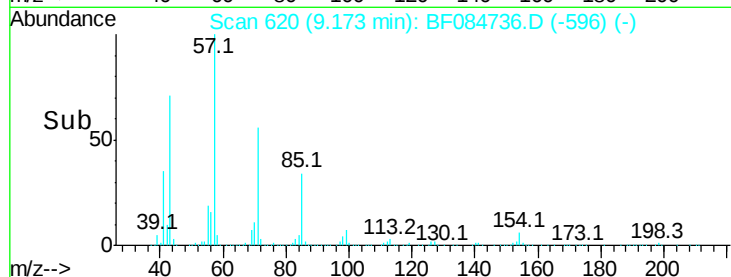
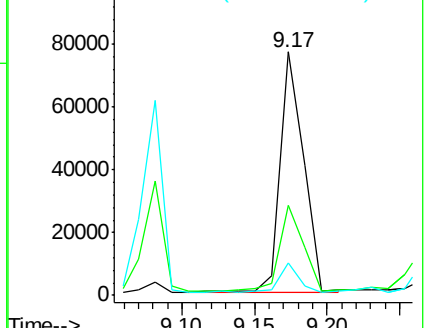
76 13.2 0.0 32.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 29.64 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

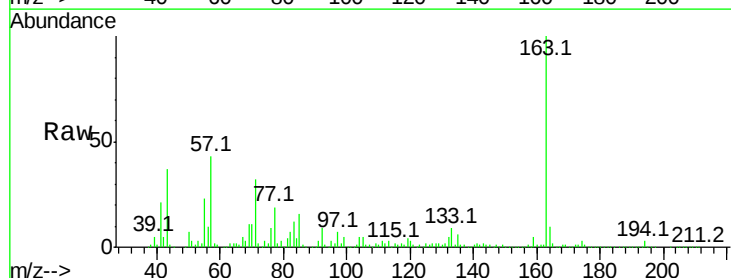
Tgt Ion:163 Resp: 662048

Ion Ratio Lower Upper

163 100

194 3.3 8.0 12.0#

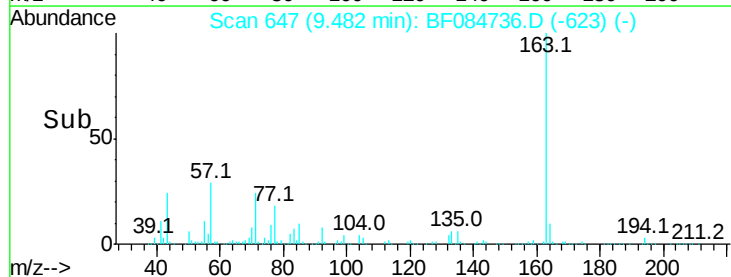
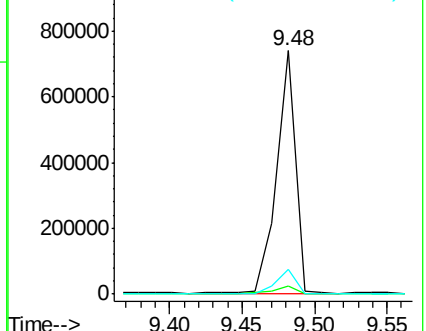
164 10.0 8.0 12.0

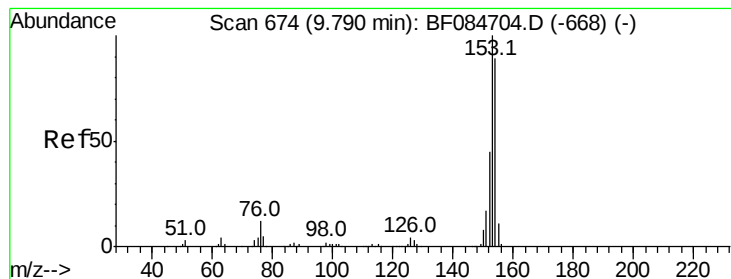


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.50 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

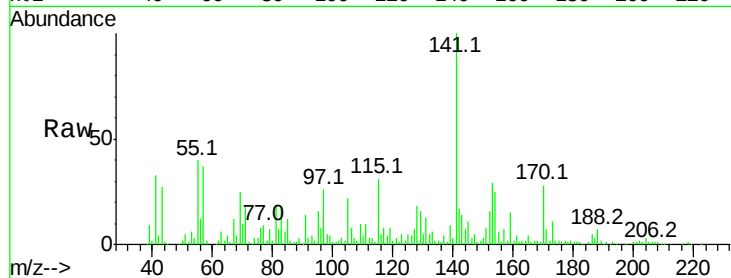
Tot Ion:154 Resp: 47525

Ion Ratio Lower Upper

154 100

153 119.4 91.5 137.3

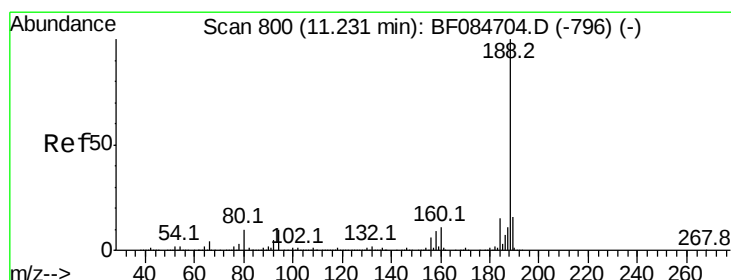
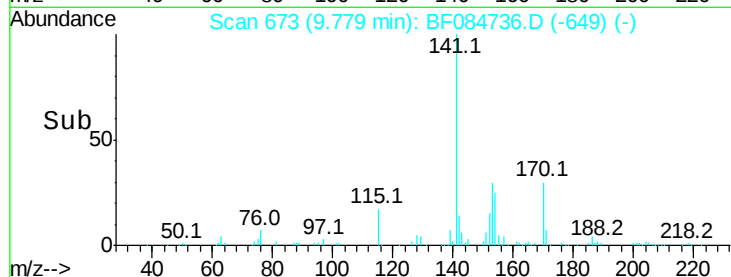
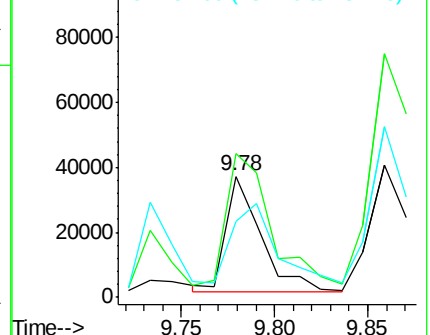
152 63.2 43.0 64.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

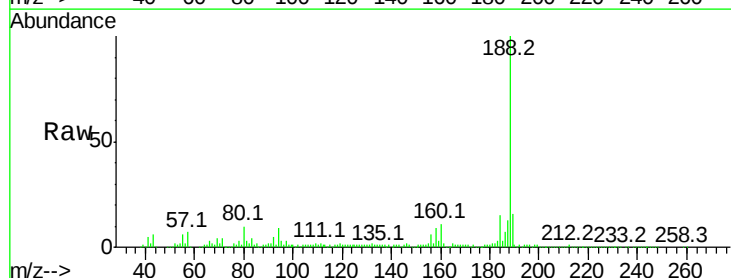
Tgt Ion:188 Resp: 525308

Ion Ratio Lower Upper

188 100

94 9.1 9.0 13.4

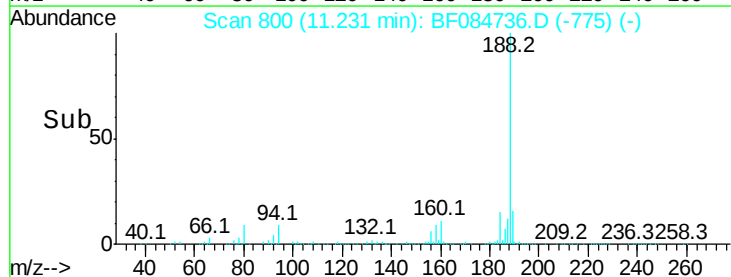
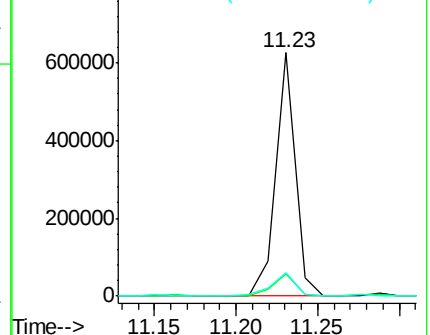
80 9.6 9.6 14.4

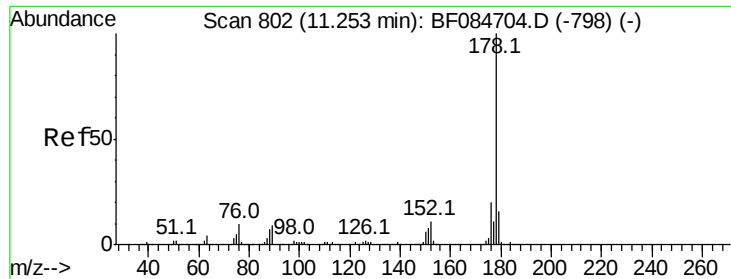


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.28 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL02

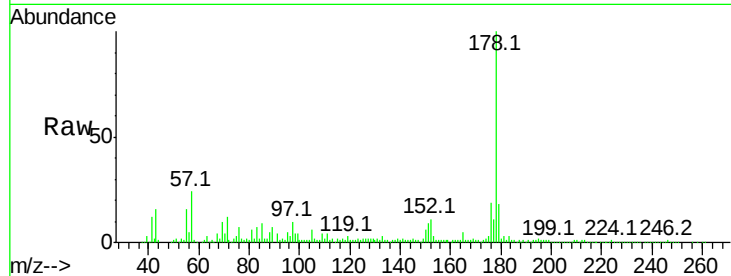
Tot Ion:178 Resp: 299632

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

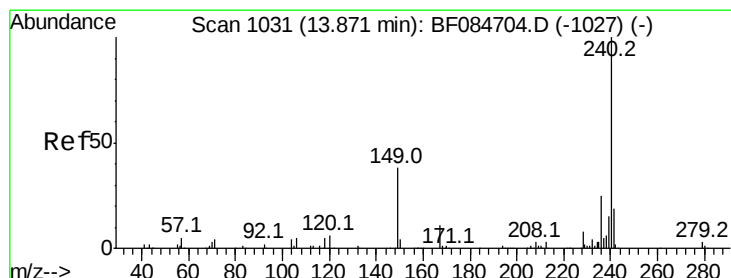
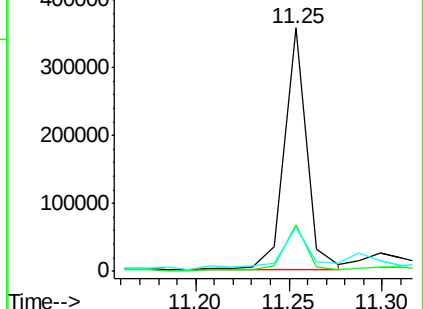
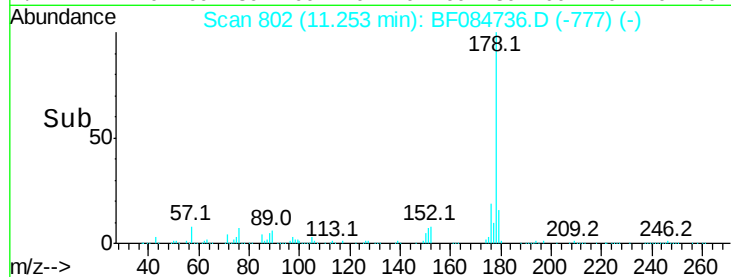
179 17.8 12.0 18.0



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: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084736.D

Acq: 2 Feb 2016 3:45

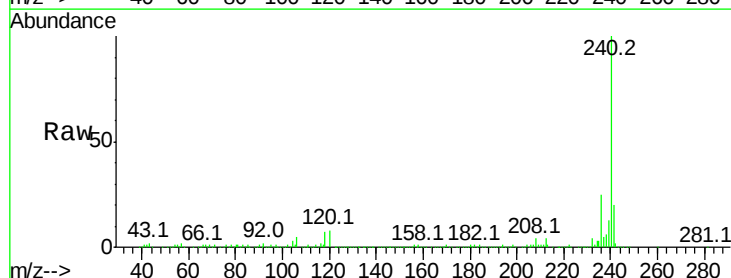
Tgt Ion:240 Resp: 417560

Ion Ratio Lower Upper

240 100

120 8.0 9.5 14.3#

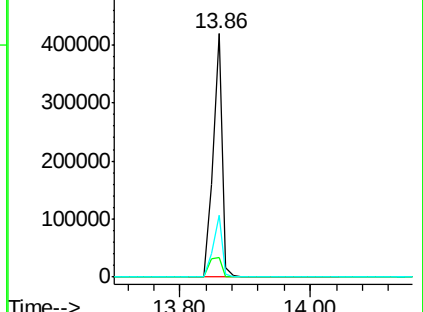
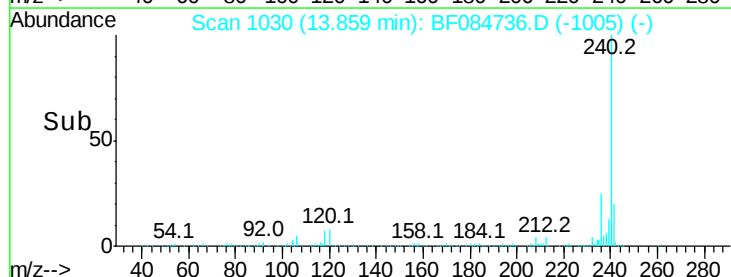
236 25.3 20.6 31.0

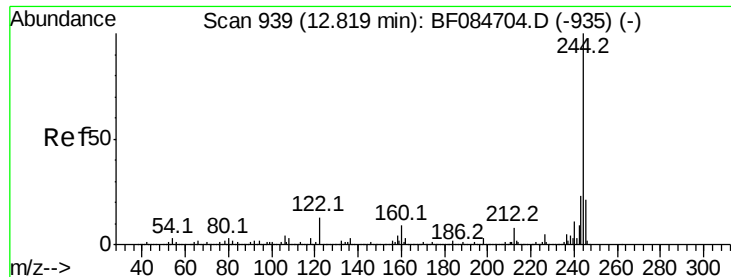


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

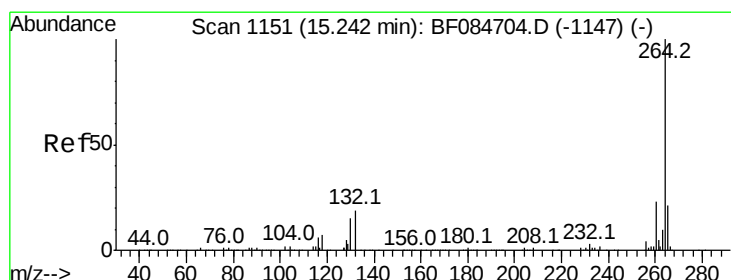
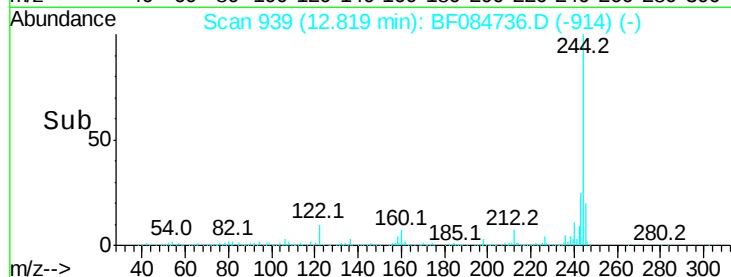
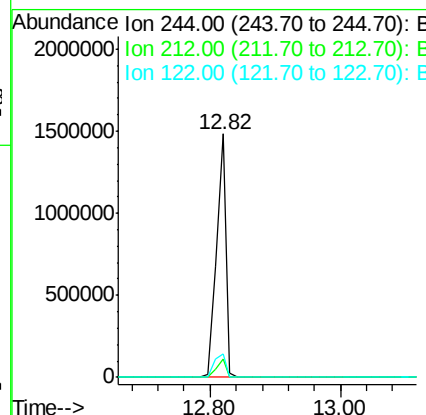
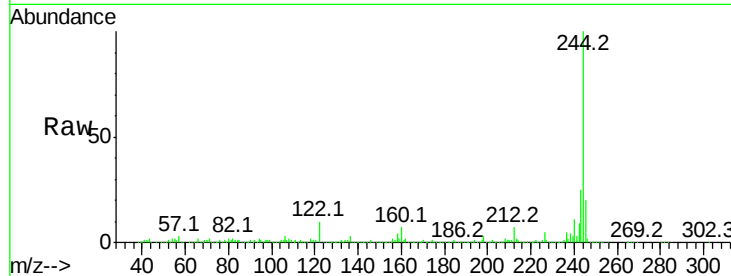




#78
 Terphenyl-d14
 Concen: 82.55 ng
 RT: 12.82 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BF084736.D
 Acq: 2 Feb 2016 3:45

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL02

Tot Ion:244 Resp: 1521062
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 9.7 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: BF084736.D
 Acq: 2 Feb 2016 3:45

Tgt Ion:264 Resp: 316103
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.4 29.2
 265 21.9 17.8 26.6

