

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
 Data File : BF084735.D
 Acq On : 2 Feb 2016 3:18
 Operator : SJ/IZ
 Sample : H1306-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

Quant Time: Feb 02 04:09:02 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	152600	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	503272	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	201503	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	388778	20.00	ng	0.01
75) Chrysene-d12	13.86	240	422846	20.00	ng	-0.01
86) Perylene-d12	15.24	264	328104	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1211947	123.70	ng	0.00
7) Phenol-d6	6.36	99	1370417	112.83	ng	-0.01
23) Nitrobenzene-d5	7.29	82	990161	110.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	265685	126.41	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1155073	104.61	ng	0.00
78) Terphenyl-d14	12.82	244	1084901	58.14	ng	-0.01

Target Compounds

						Qvalue
9) Benzaldehyde	6.26	77	20479	2.86	ng	# 1
15) Benzyl Alcohol	6.86	79	26659	3.18	ng	# 46
18) Hexachloroethane	7.22	117	62687	13.90	ng	# 1
19) n-Nitroso-di-n-propylamine	7.14	70	34280	4.50	ng	# 74
24) Nitrobenzene	7.26	77	104399	10.91	ng	# 30
25) Isophorone	7.53	82	144299	8.31	ng	# 1
26) 2-Nitrophenol	7.64	139	17967	3.81	ng	# 1
28) bis(2-Chloroethoxy)methane	7.78	93	26440	2.57	ng	# 1
29) 2,4-Dichlorophenol	7.86	162	17783	2.53	ng	# 5
31) Naphthalene	8.03	128	495300	19.62	ng	# 63
32) Benzoic acid	7.80	122	17261	3.29	ng	# 11
35) Caprolactam	8.45	113	222918	102.99	ng	# 1
36) 4-Chloro-3-methylphenol	8.53	107	49755	6.21	ng	# 31
37) 2-Methylnaphthalene	8.73	142	1290975	81.71	ng	# 95
42) 2,4,6-Trichlorophenol	9.01	196	11350	2.75	ng	# 12
43) 2,4,5-Trichlorophenol	9.06	196	9898	2.36	ng	# 1
45) 1,1'-Biphenyl	9.20	154	385708	21.43	ng	# 96
47) 2-Nitroaniline	9.36	65	38072	9.07	ng	# 58
48) Acenaphthylene	9.63	152	82820	4.12	ng	# 1
49) Dimethylphthalate	9.49	163	297052	19.36	ng	# 81
50) 2,6-Dinitrotoluene	9.55	165	30795	9.19	ng	# 1
51) Acenaphthene	9.80	154	275497	21.05	ng	# 90
52) 3-Nitroaniline	9.72	138	18922	5.02	ng	# 39
53) 2,4-Dinitrophenol	9.82	184	2009	7.01	ng	# 1
54) Dibenzofuran	9.97	168	210358	13.15	ng	# 22
55) 4-Nitrophenol	9.88	139	184967	66.80	ng	# 70
56) 2,4-Dinitrotoluene	9.98	165	54819	12.82	ng	# 54
57) Fluorene	10.32	166	545842	40.87	ng	# 79
60) 4-Chlorophenyl-phenylether	10.33	204	4733	Below Cal		# 1
61) 4-Nitroaniline	10.24	138	19870	5.41	ng	# 85
62) Azobenzene	10.48	77	71759	4.98	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.40	198	6677	2.78	ng	# 1
65) n-Nitrosodiphenylamine	10.44	169	997920	80.84	ng	# 43
68) Atrazine	10.98	200	20118	5.16	ng	# 16

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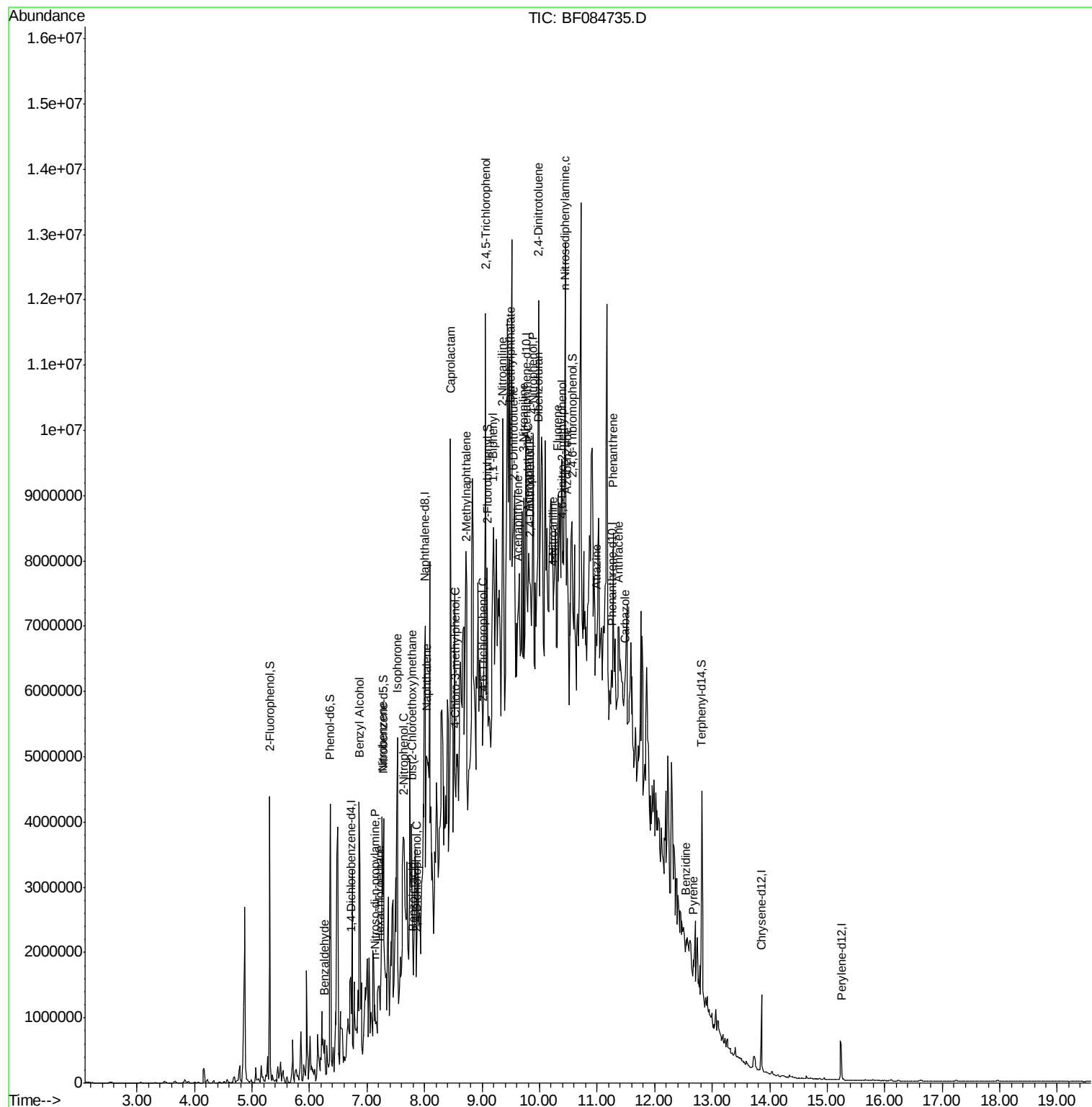
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Phenanthrene	11.28	178	1440723	66.81	ng	# 93
71) Anthracene	11.37	178	659224	30.34	ng	# 1
72) Carbazole	11.48	167	56168	2.96	ng	# 1
76) Benzidine	12.54	184	3544	7.05	ng	# 1
77) Pyrene	12.67	202	138014	4.26	ng	# 92

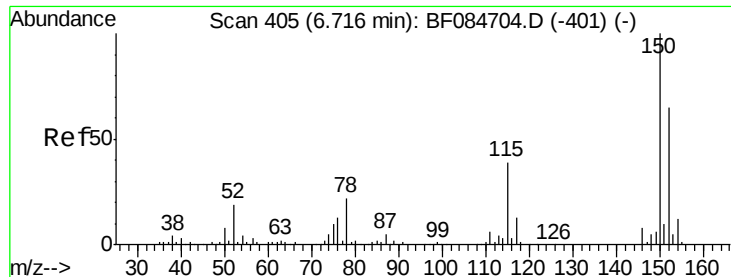
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

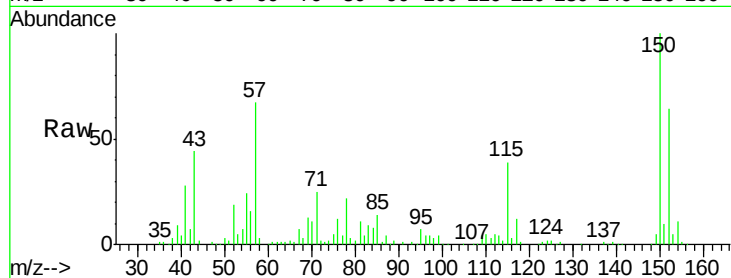
Tgt Ion:152 Resp: 152600

Ion Ratio Lower Upper

152 100

150 155.5 123.0 184.4

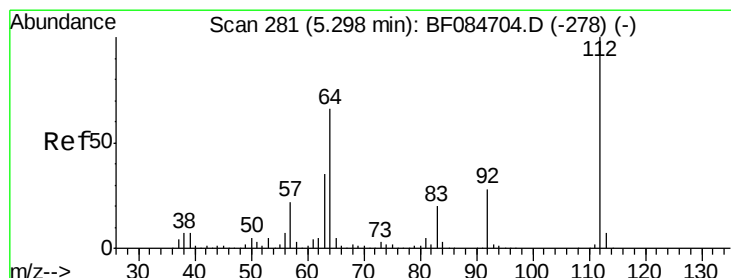
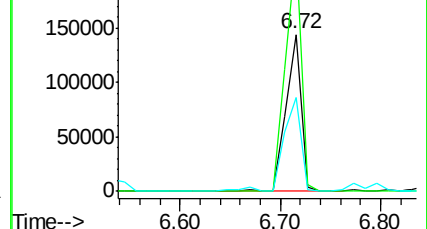
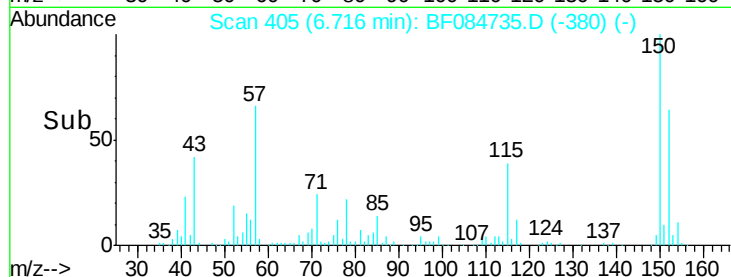
115 59.9 51.4 77.2



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: 123.70 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

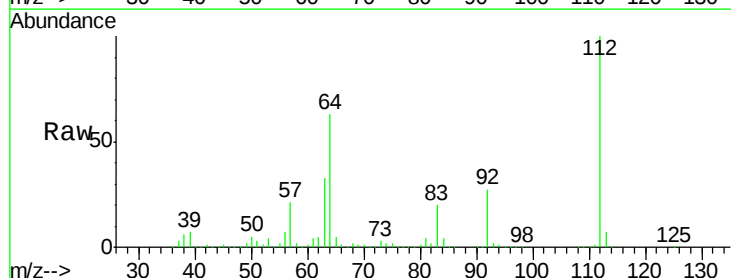
Tgt Ion:112 Resp: 1211947

Ion Ratio Lower Upper

112 100

64 62.6 36.6 55.0#

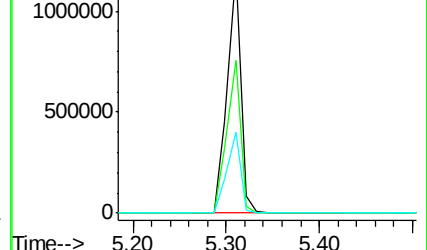
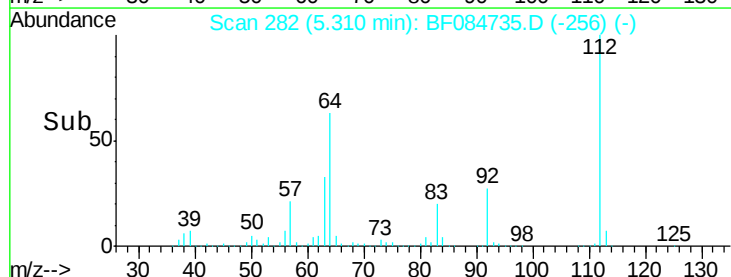
63 33.3 19.4 29.0#

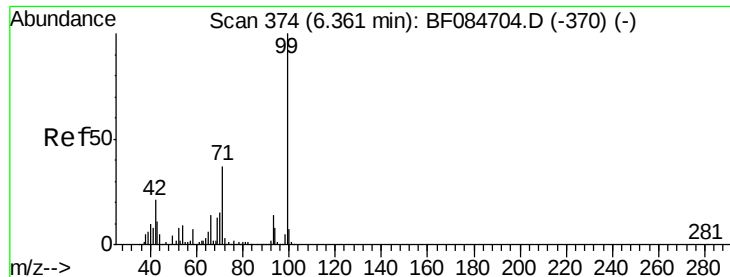


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.83 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

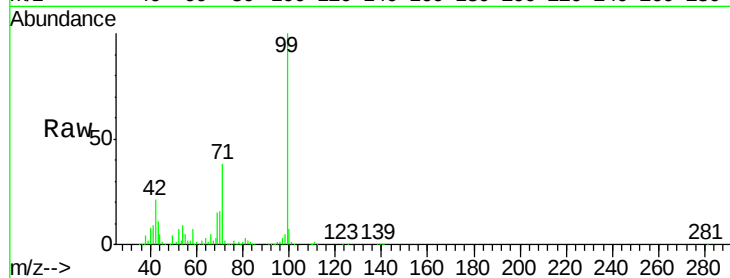
Tgt Ion: 99 Resp: 1370417

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

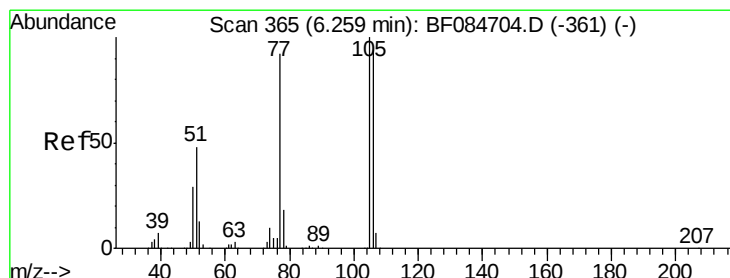
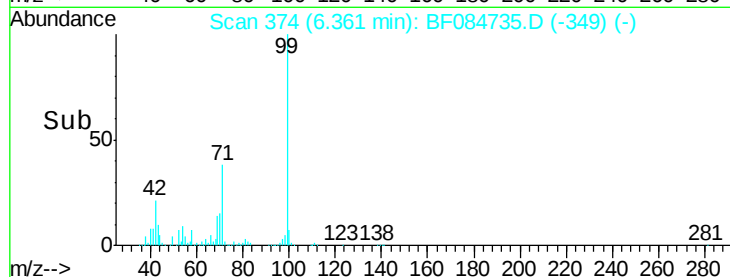
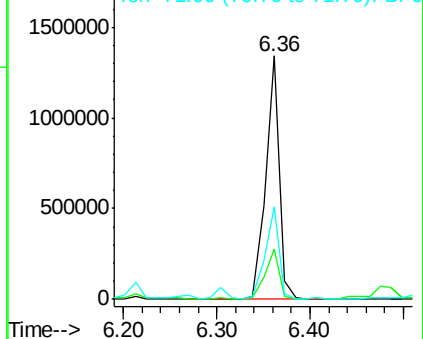
71 38.1 30.9 46.3



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: 2.86 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

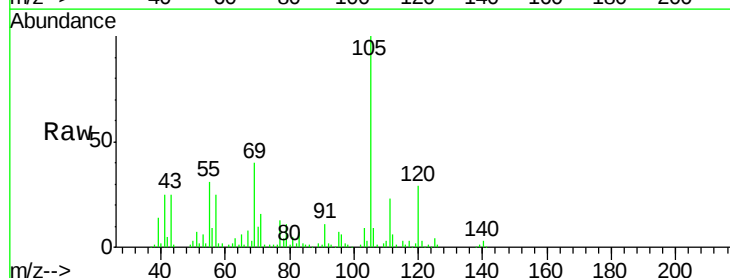
Tgt Ion: 77 Resp: 20479

Ion Ratio Lower Upper

77 100

105 794.8 83.0 123.0#

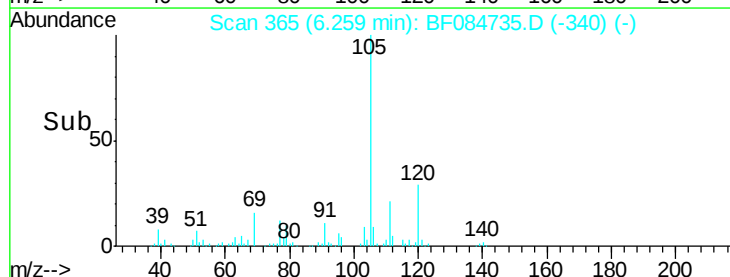
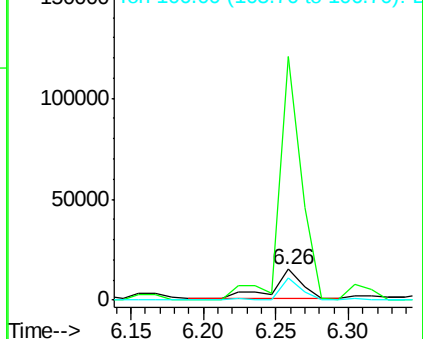
106 71.7 74.6 114.6#

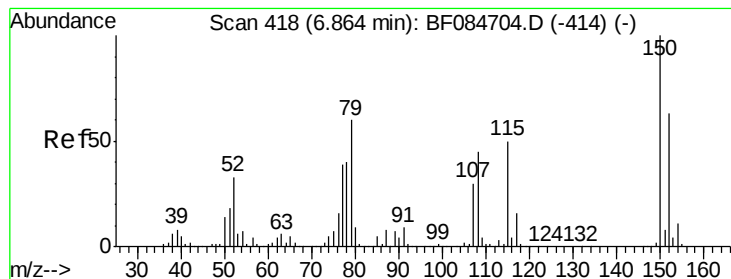


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 3.18 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

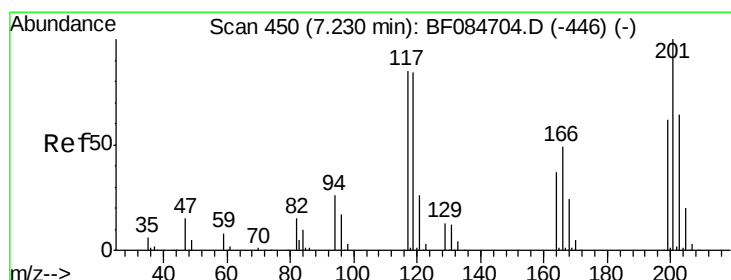
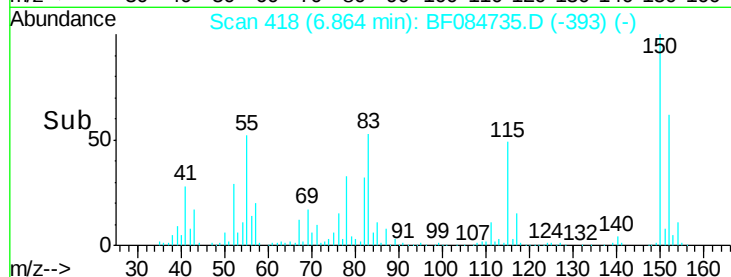
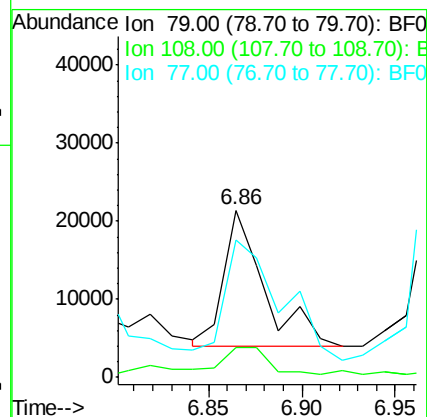
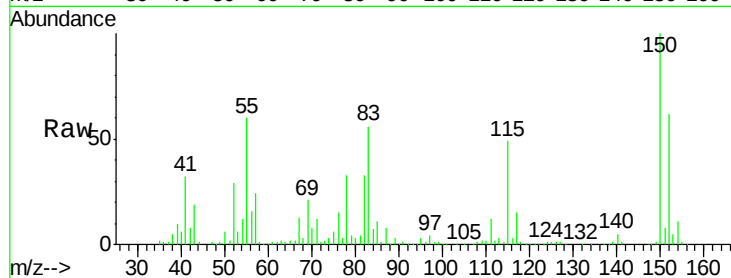
Tgt Ion: 79 Resp: 26659

Ion Ratio Lower Upper

79 100

108 17.6 69.0 103.4#

77 82.4 50.0 75.0#



#18

Hexachloroethane

Concen: 13.90 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

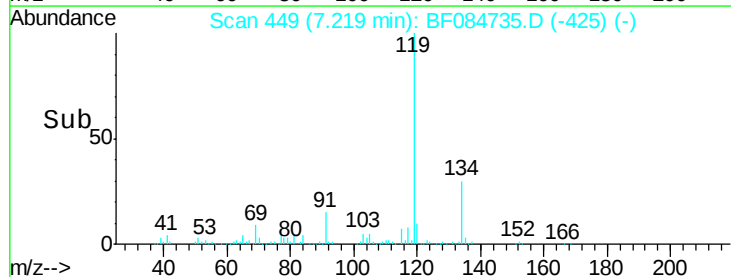
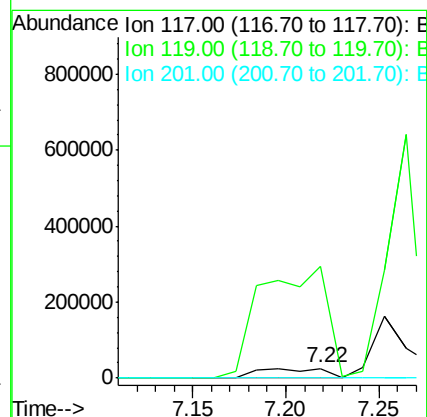
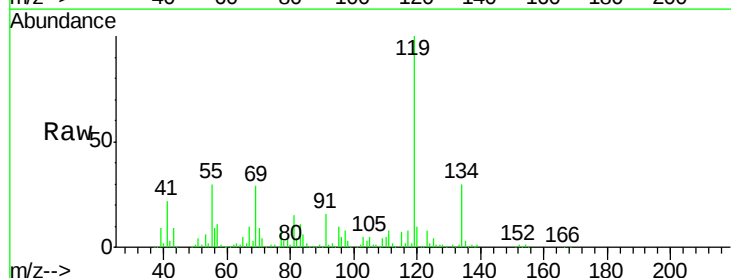
Tgt Ion: 117 Resp: 62687

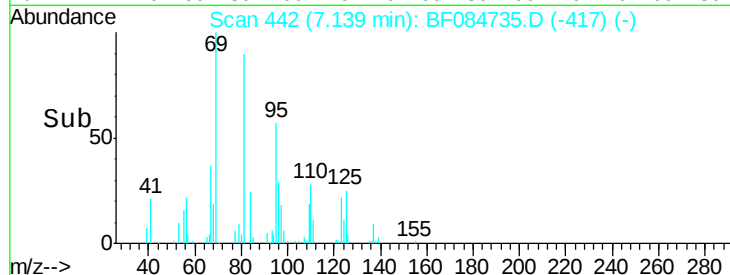
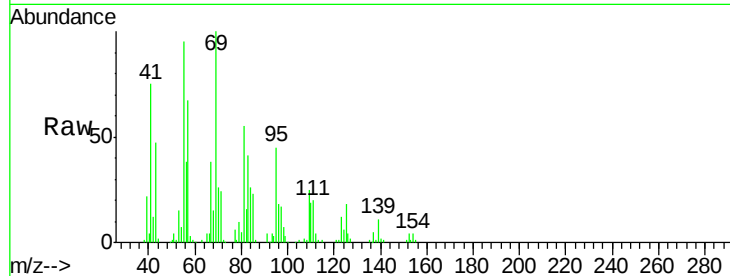
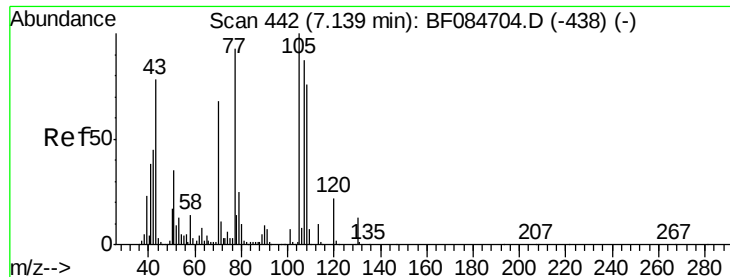
Ion Ratio Lower Upper

117 100

119 1192.9 77.4 116.0#

201 0.0 68.6 103.0#

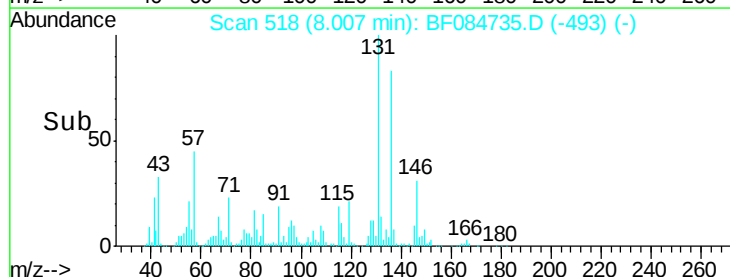
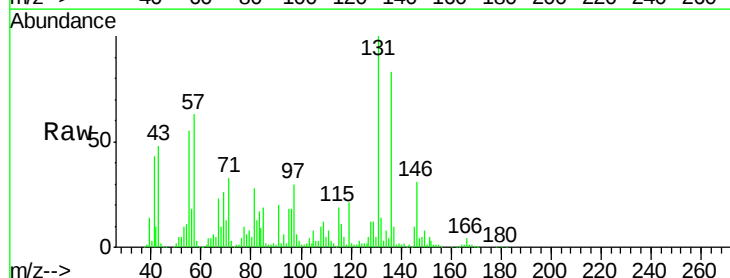
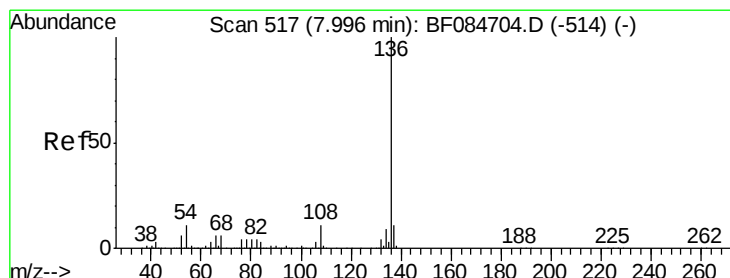
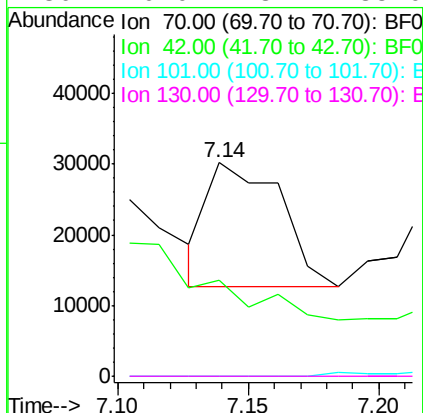




#19
n-Nitroso-di-n-propylamine
Concen: 4.50 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.01 min
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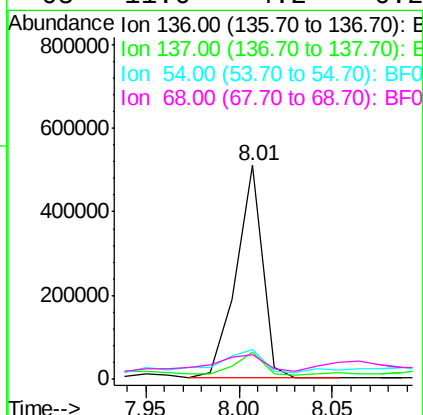
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

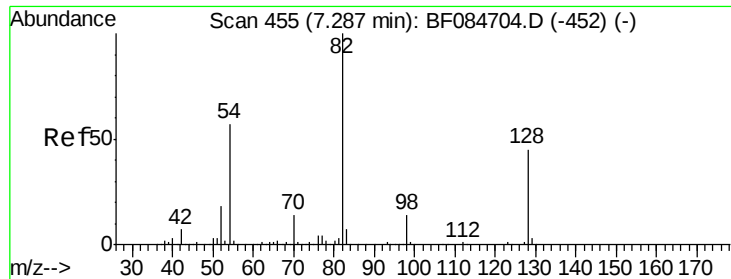
Tgt Ion:	70	Resp:	34280
Ion	Ratio	Lower	Upper
70	100		
42	45.0	33.3	49.9
101	0.0	9.3	13.9#
130	0.0	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Tgt Ion:	136	Resp:	503272
Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.7	13.1
54	13.6	5.8	8.8#
68	11.6	4.2	6.2#

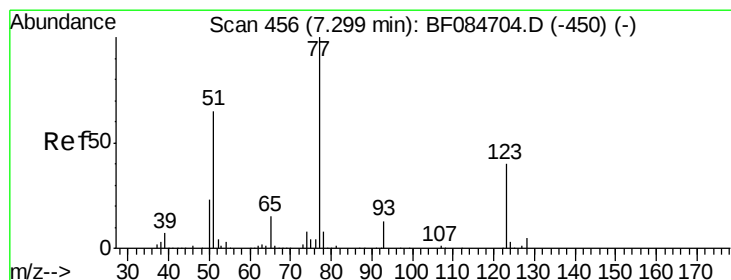
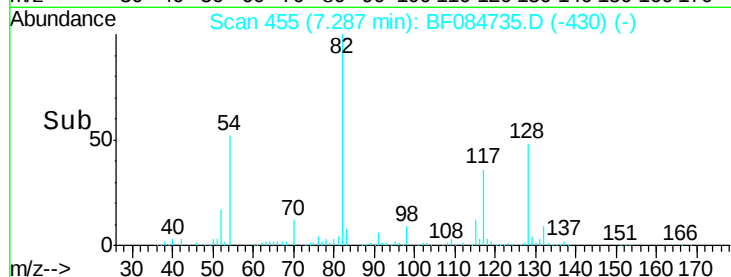
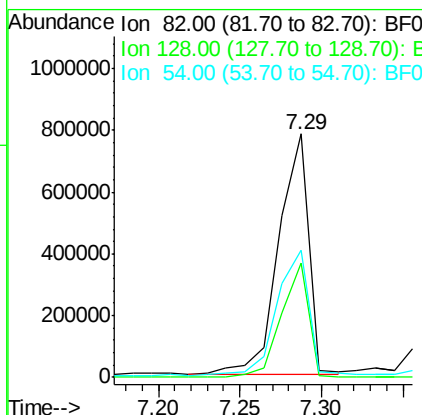
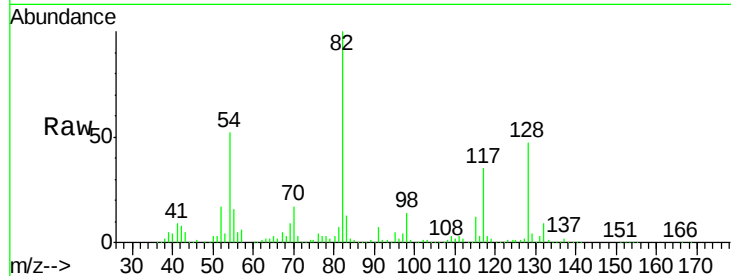




#23
 Nitrobenzene-d5
 Concen: 110.83 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

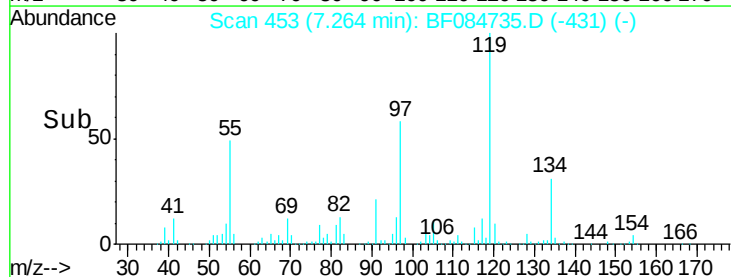
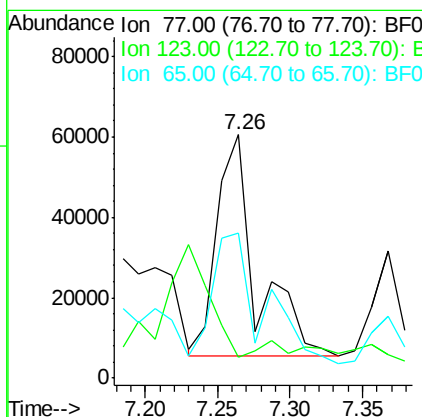
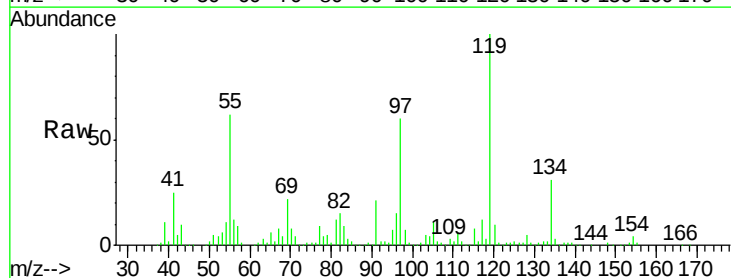
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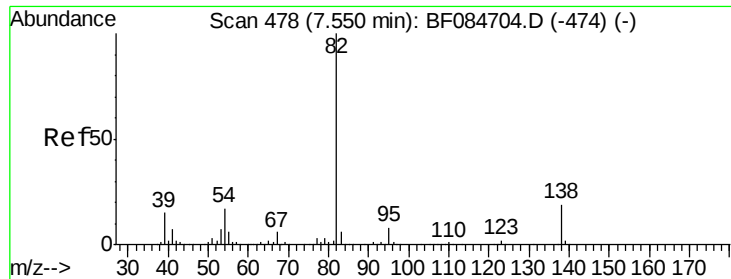
Tgt Ion: 82 Resp: 990161
 Ion Ratio Lower Upper
 82 100
 128 47.1 34.6 51.8
 54 52.4 38.4 57.6



#24
 Nitrobenzene
 Concen: 10.91 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.05 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

Tgt Ion: 77 Resp: 104399
 Ion Ratio Lower Upper
 77 100
 123 8.6 37.4 56.2#
 65 59.6 10.9 16.3#





#25

Isophorone

Concen: 8.31 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.03 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

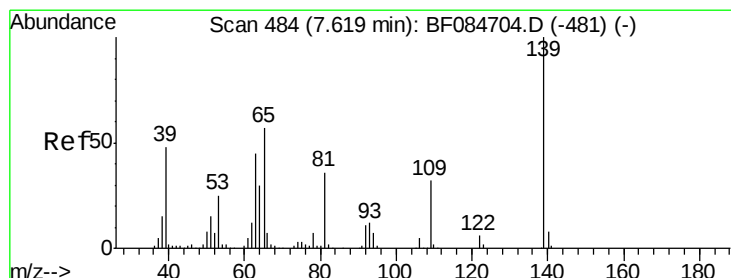
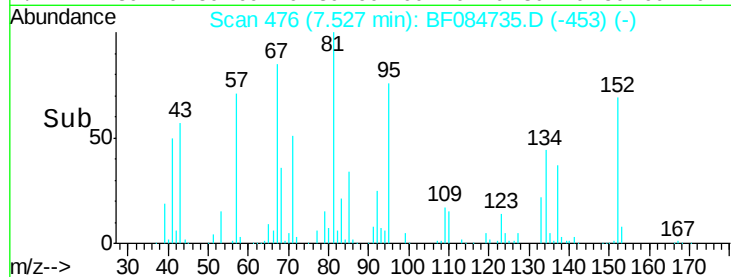
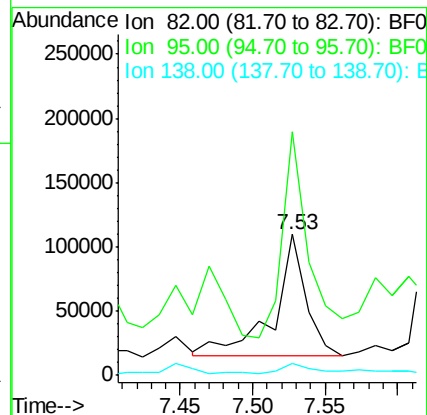
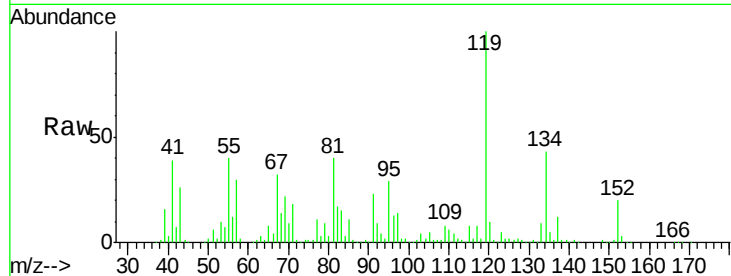
Tgt Ion: 82 Resp: 144299

Ion Ratio Lower Upper

82 100

95 172.8 6.6 10.0#

138 8.4 13.6 20.4#



#26

2-Nitrophenol

Concen: 3.81 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

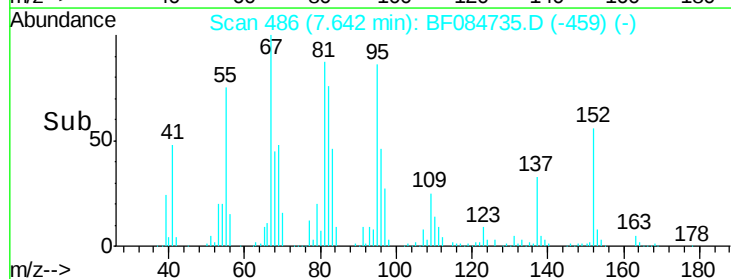
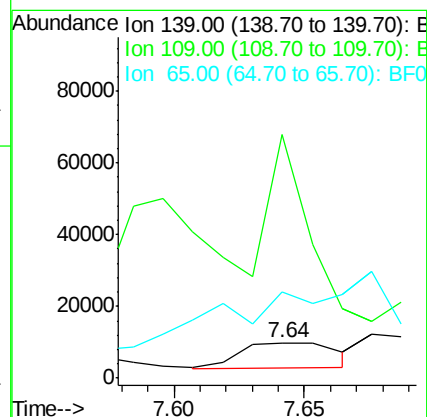
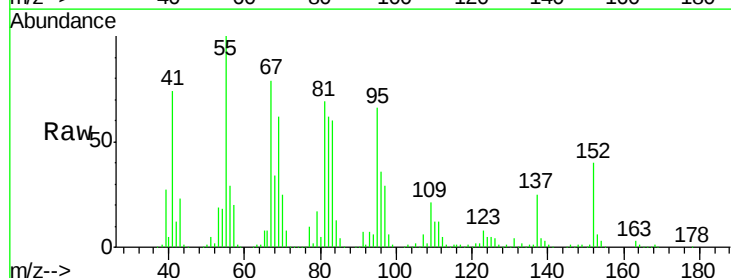
Tgt Ion: 139 Resp: 17967

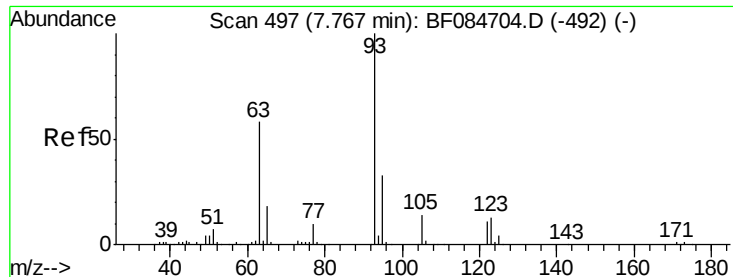
Ion Ratio Lower Upper

139 100

109 687.5 25.4 38.2#

65 244.2 32.3 48.5#

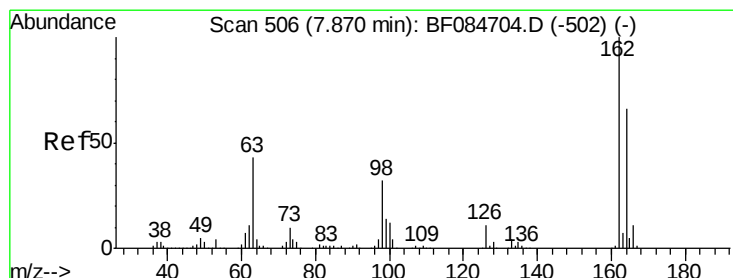
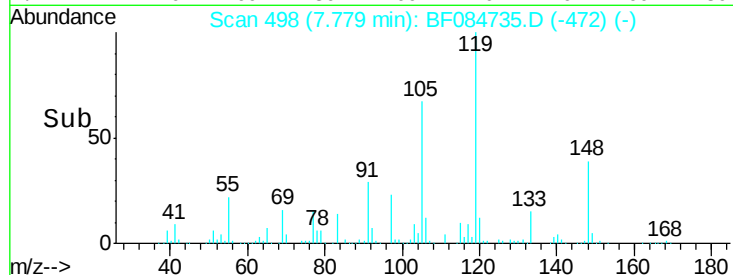
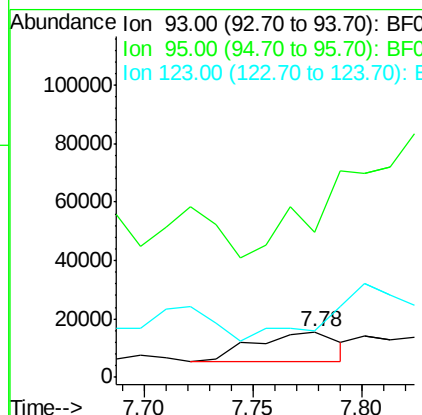
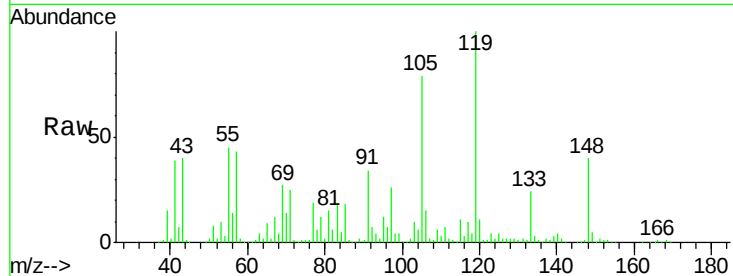




#28
bis(2-Chloroethoxy)methane
Concen: 2.57 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.00 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

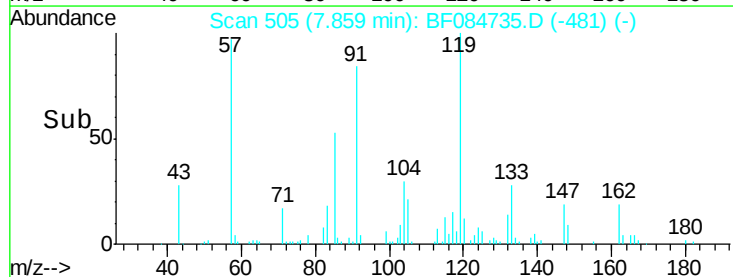
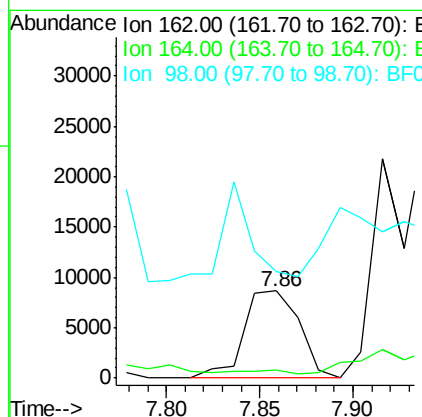
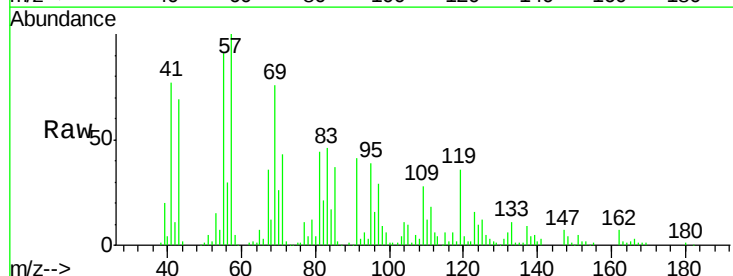
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

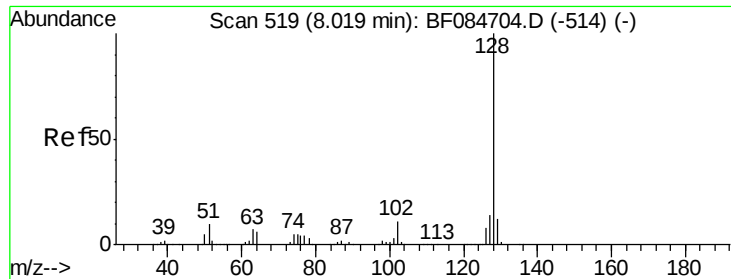
Tgt Ion: 93 Resp: 26440
Ion Ratio Lower Upper
93 100
95 319.8 25.8 38.6#
123 101.7 8.6 12.8#



#29
2,4-Dichlorophenol
Concen: 2.53 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Tgt Ion: 162 Resp: 17783
Ion Ratio Lower Upper
162 100
164 8.9 44.1 84.1#
98 122.8 20.2 60.2#

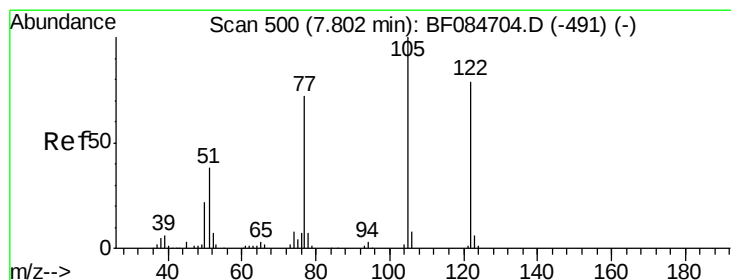
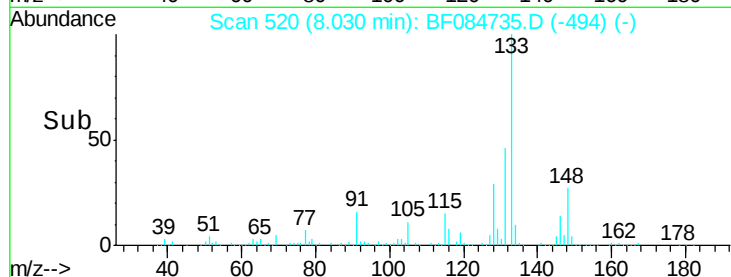
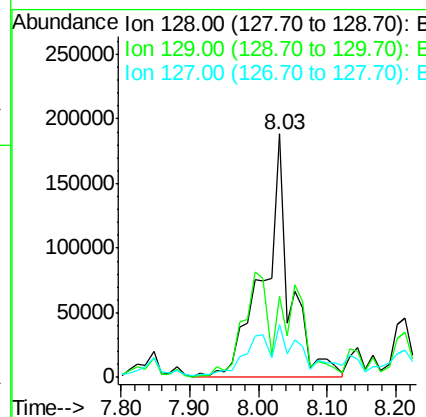
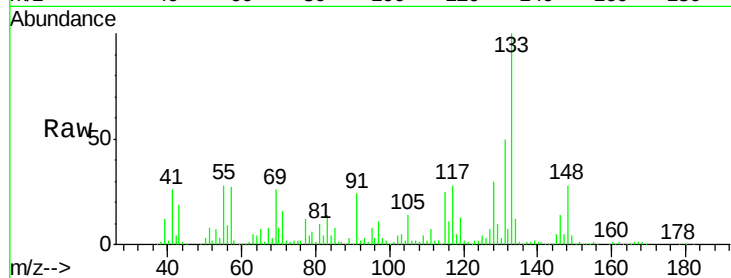




#31
Naphthalene
Concen: 19.62 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

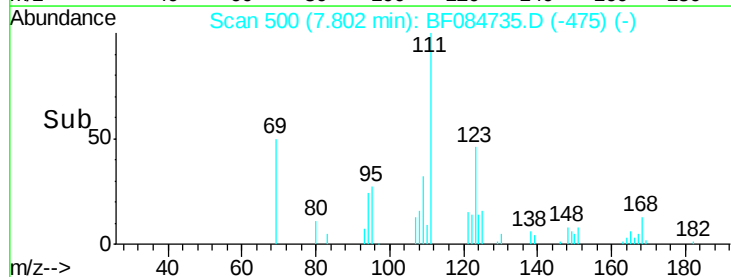
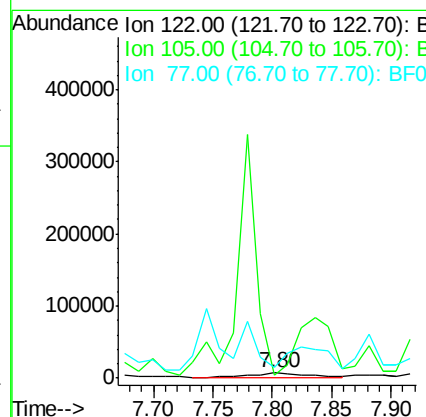
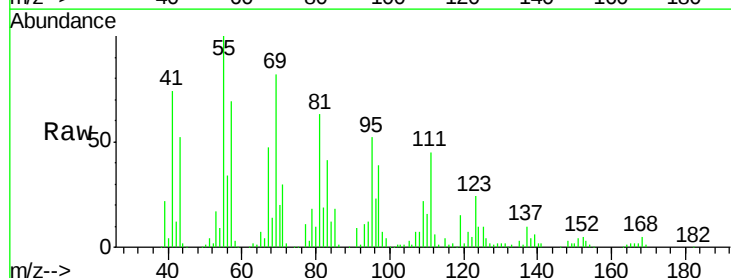
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

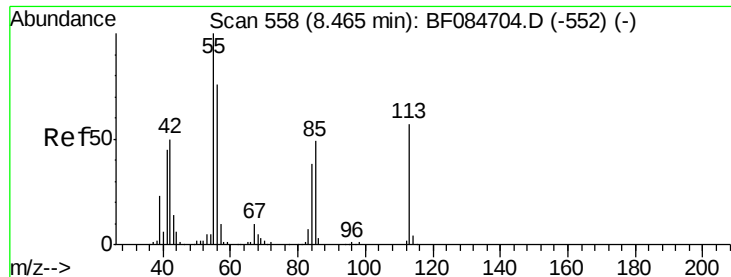
Tgt Ion:128 Resp: 495300
Ion Ratio Lower Upper
128 100
129 33.4 9.1 13.7#
127 21.8 11.1 16.7#



#32
Benzoic acid
Concen: 3.29 ng
RT: 7.80 min Scan# 500
Delta R.T. -0.01 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Tgt Ion:122 Resp: 17261
Ion Ratio Lower Upper
122 100
105 55.0 100.3 140.3#
77 203.7 63.5 103.5#





#35

Caprolactam

Concen: 102.99 ng

RT: 8.45 min Scan# 557

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

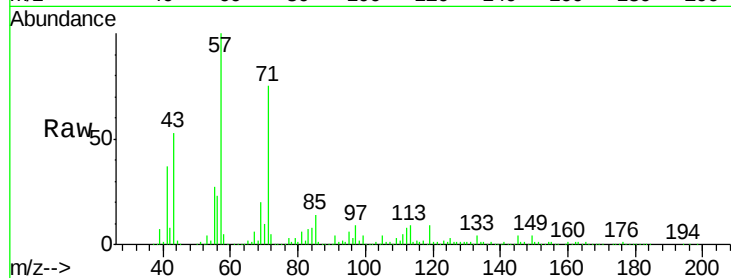
Tgt Ion:113 Resp: 222918

Ion Ratio Lower Upper

113 100

55 292.5 116.9 156.9#

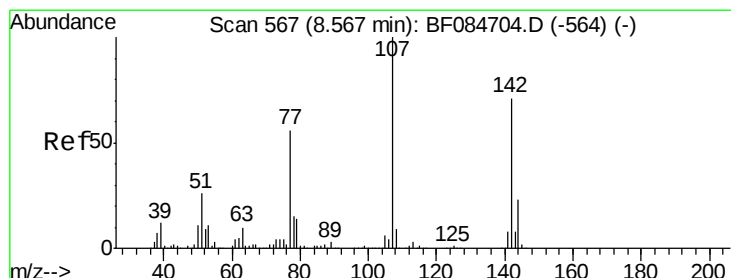
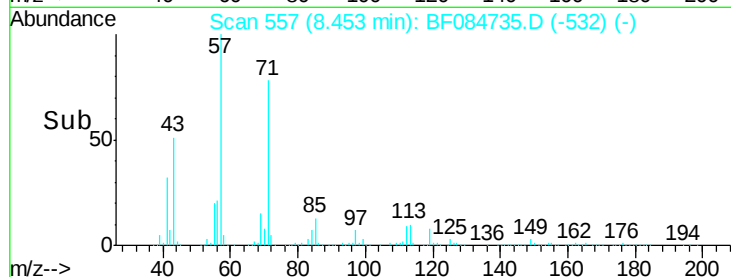
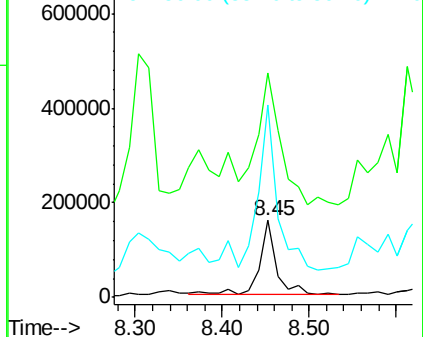
56 250.0 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 6.21 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.05 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

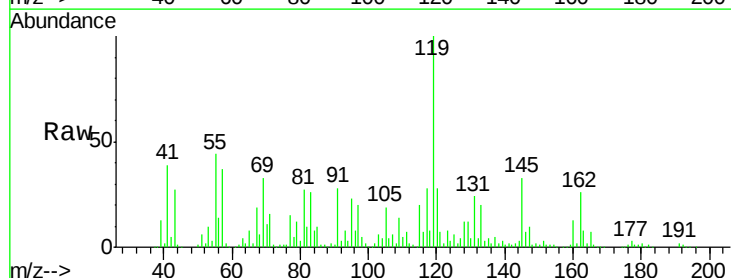
Tgt Ion:107 Resp: 49755

Ion Ratio Lower Upper

107 100

144 46.9 19.7 29.5#

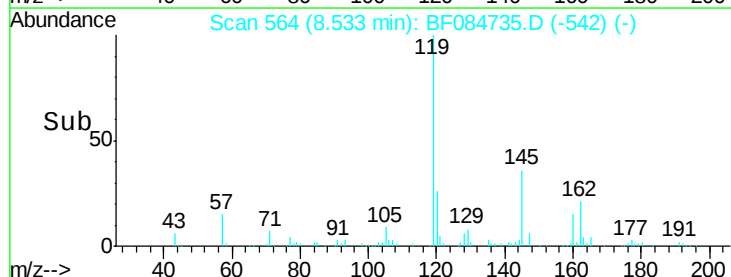
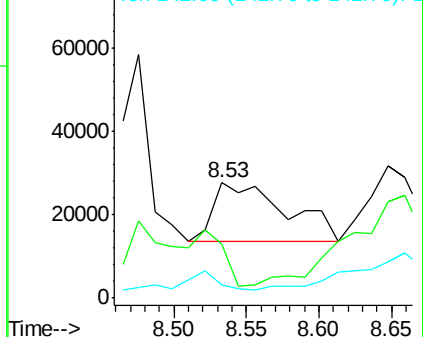
142 11.0 61.8 92.6#

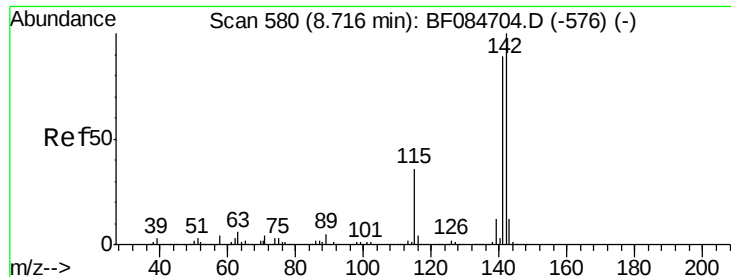


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

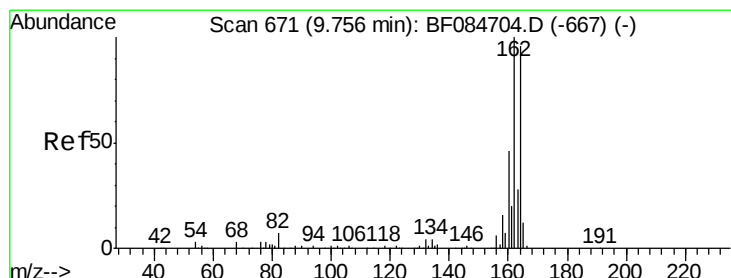
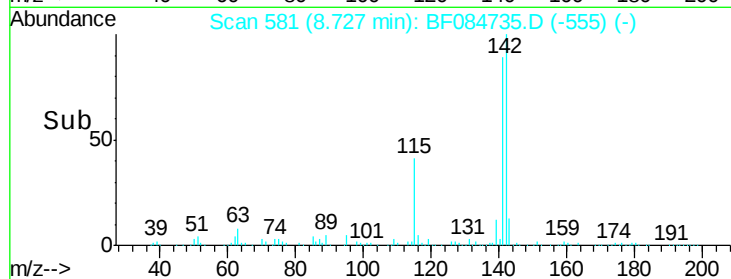
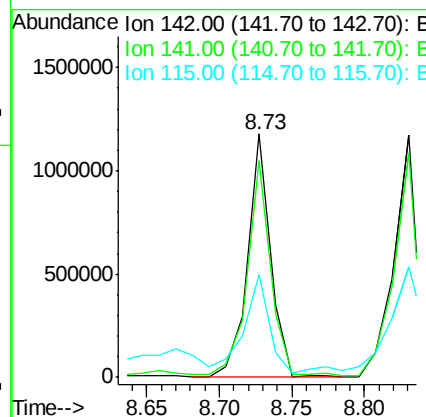
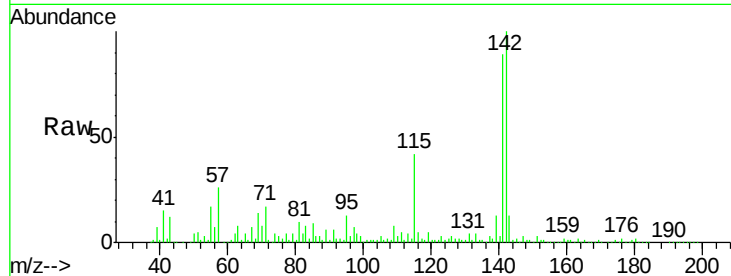




#37
 2-Methylnaphthalene
 Concen: 81.71 ng
 RT: 8.73 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

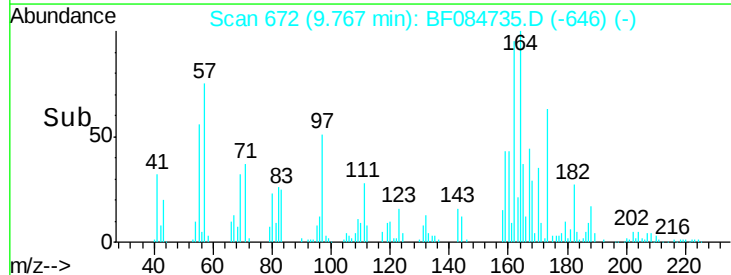
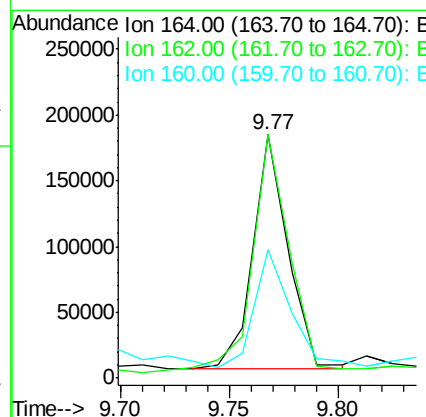
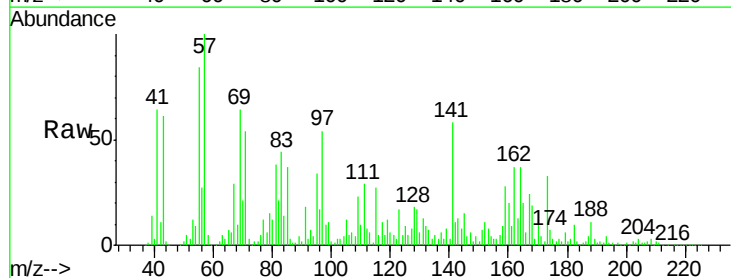
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

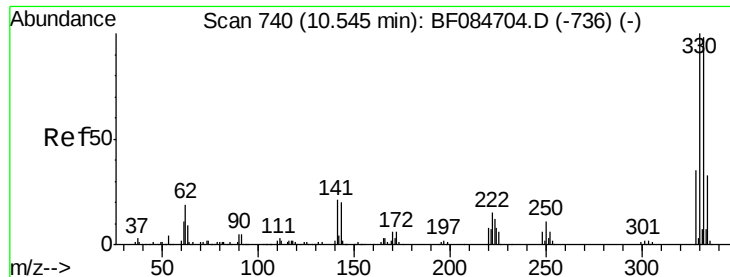
Tgt Ion:142 Resp: 1290975
 Ion Ratio Lower Upper
 142 100
 141 89.0 72.4 108.6
 115 42.1 27.9 41.9#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

Tgt Ion:164 Resp: 201503
 Ion Ratio Lower Upper
 164 100
 162 100.0 85.1 127.7
 160 52.9 37.5 56.3

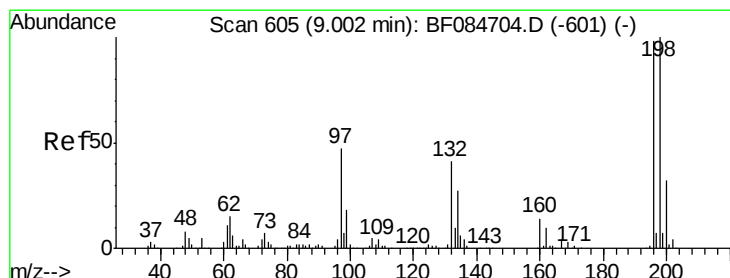
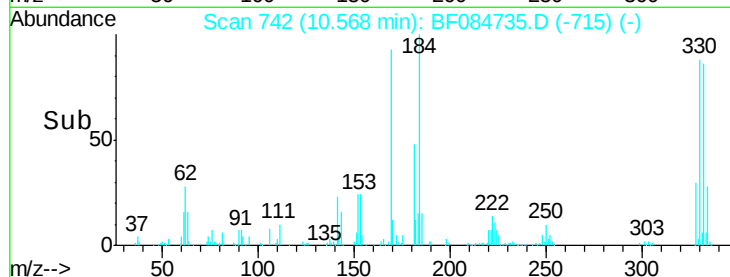
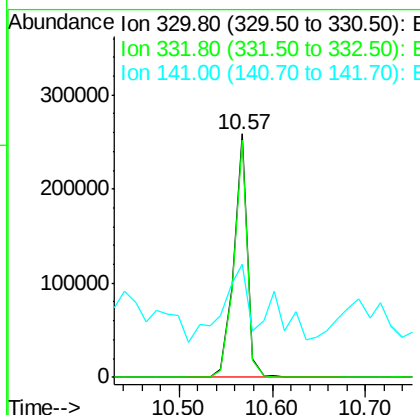
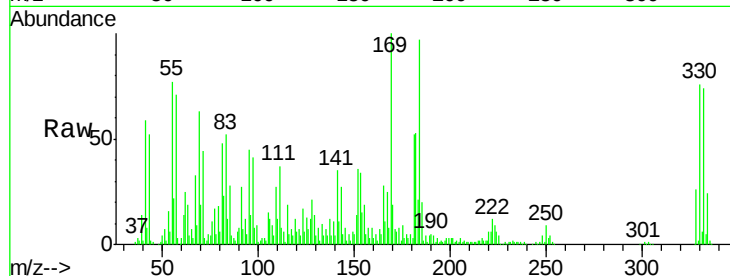




#41
 2,4,6-Tribromophenol
 Concen: 126.41 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

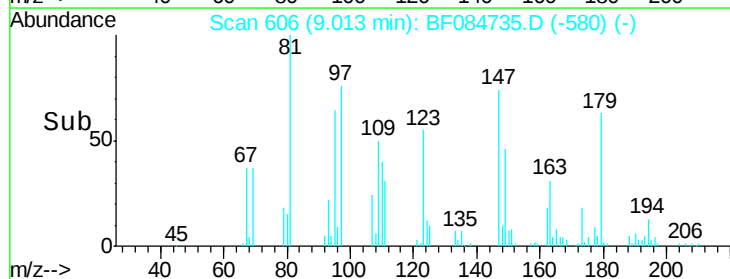
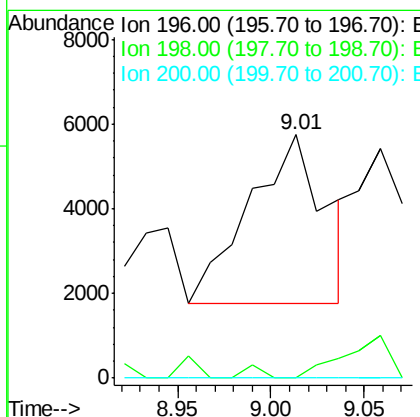
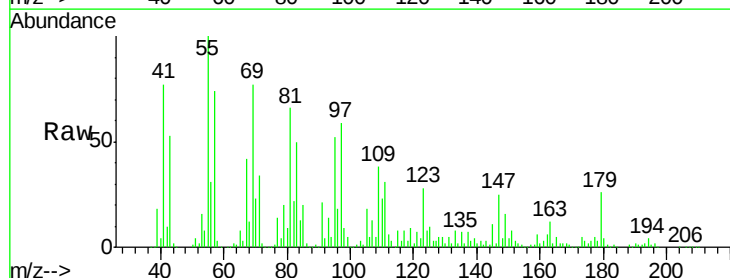
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

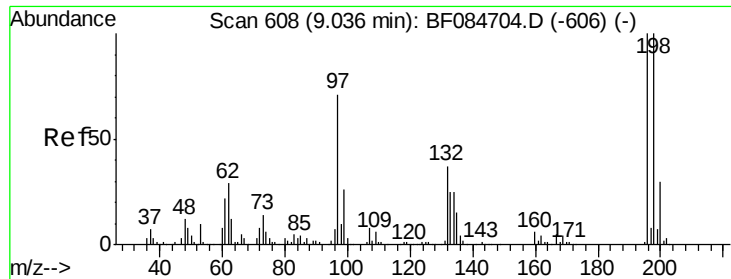
Tgt Ion:330 Resp: 265685
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 64.0 27.8 41.6#



#42
 2,4,6-Trichlorophenol
 Concen: 2.75 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

Tgt Ion:196 Resp: 11350
 Ion Ratio Lower Upper
 196 100
 198 0.0 77.7 116.5#
 200 0.0 24.6 37.0#

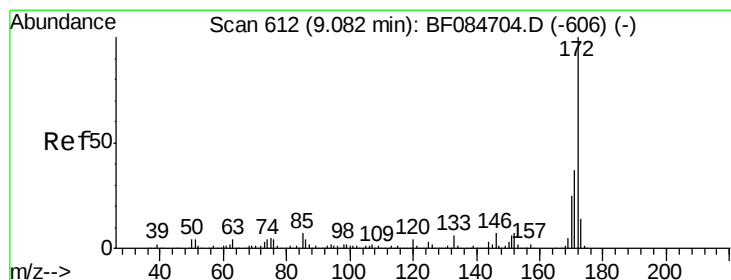
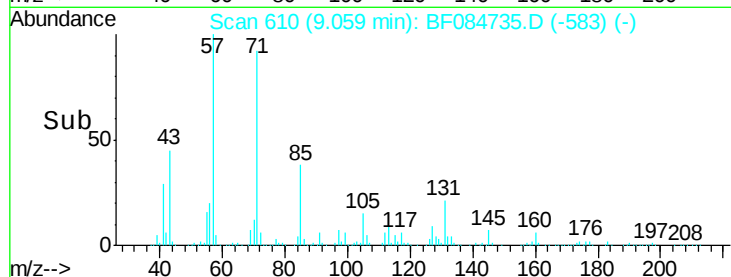
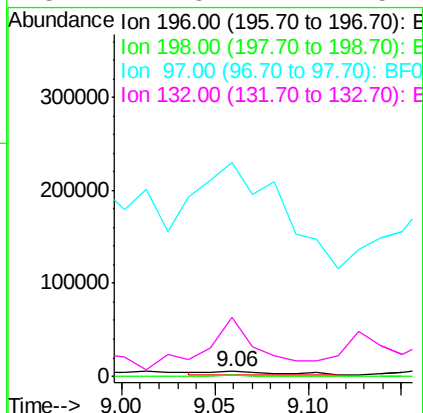
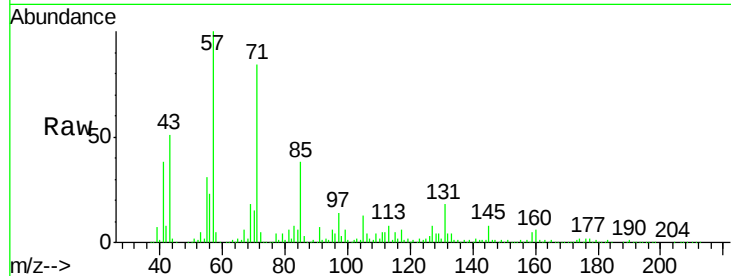




#43
 2,4,5-Trichlorophenol
 Concen: 2.36 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

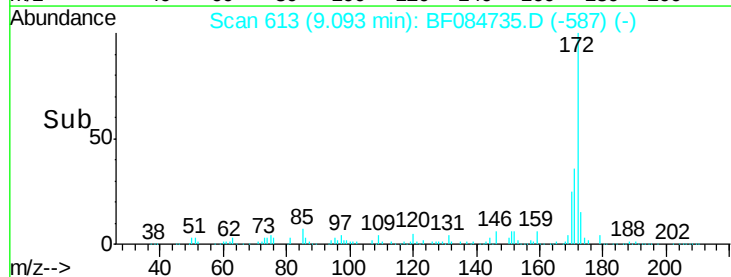
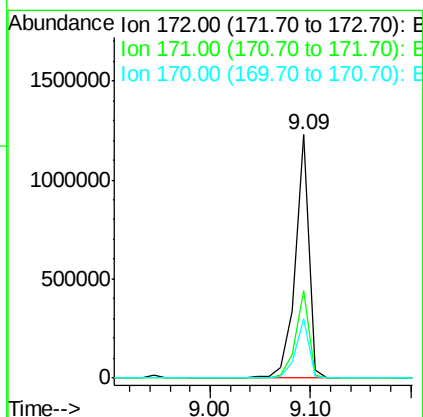
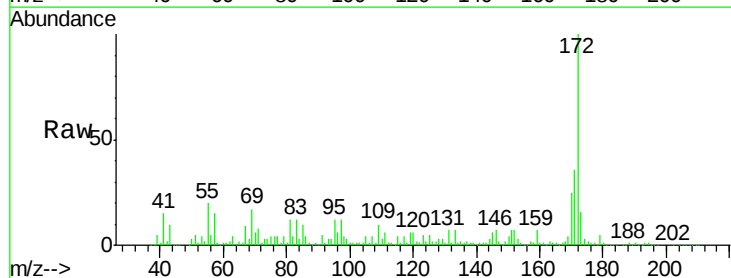
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

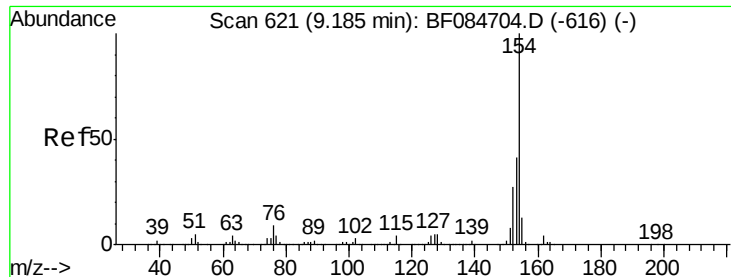
Tgt Ion:196 Resp: 9898
 Ion Ratio Lower Upper
 196 100
 198 18.6 79.0 118.6#
 97 4248.5 33.0 49.6#
 132 1171.8 21.1 31.7#



#44
 2-Fluorobiphenyl
 Concen: 104.61 ng
 RT: 9.09 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

Tgt Ion:172 Resp: 1155073
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.9 43.3
 170 24.6 18.6 27.8

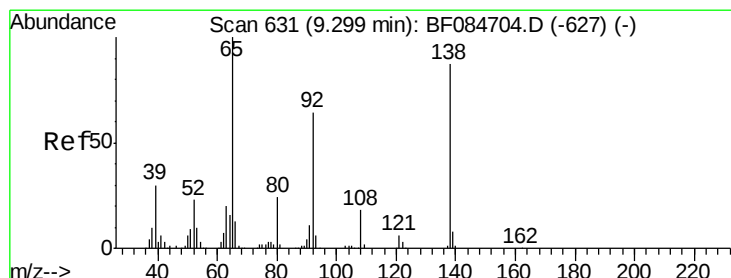
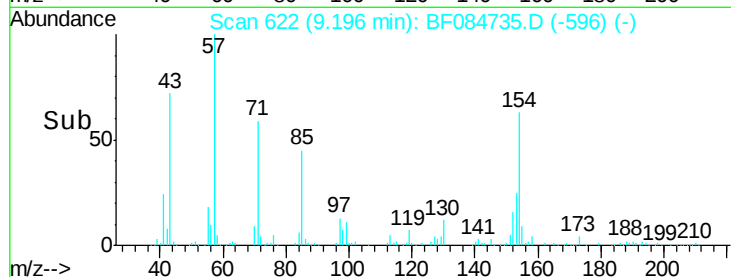
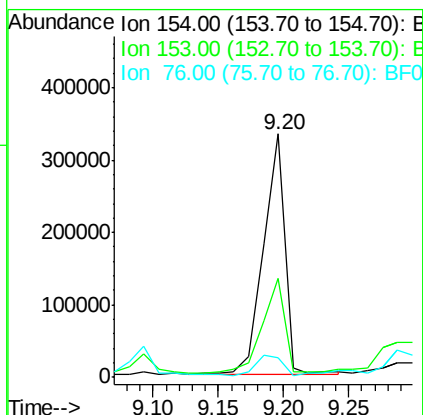
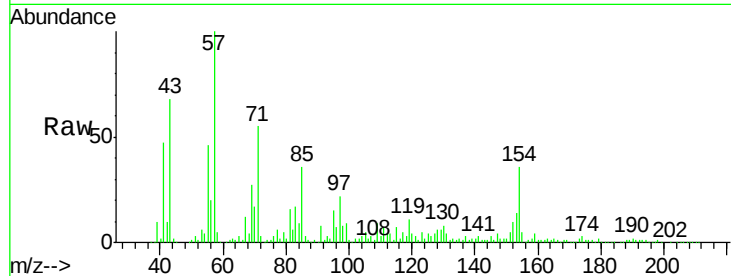




#45
1,1'-Biphenyl
Concen: 21.43 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

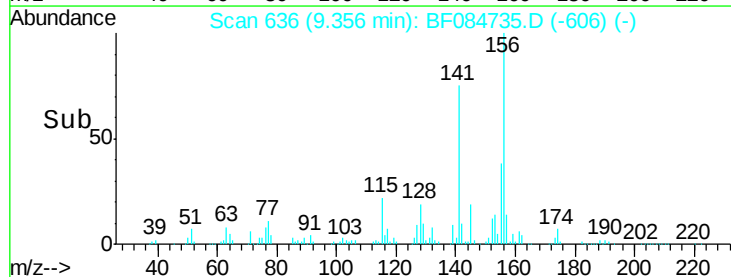
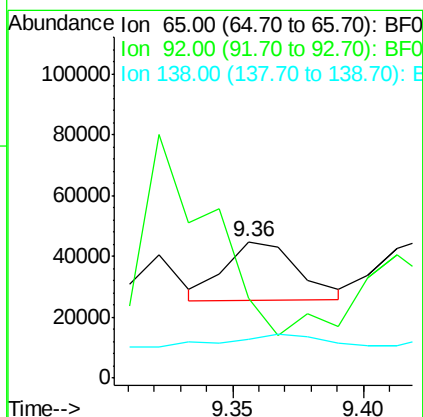
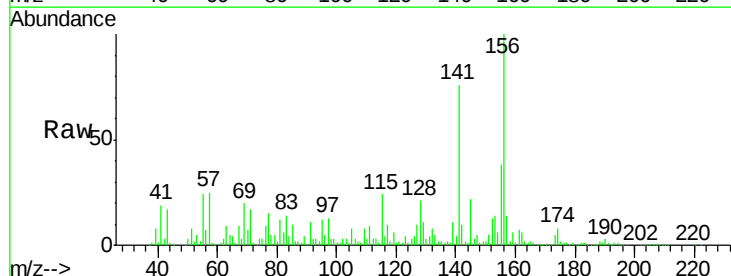
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

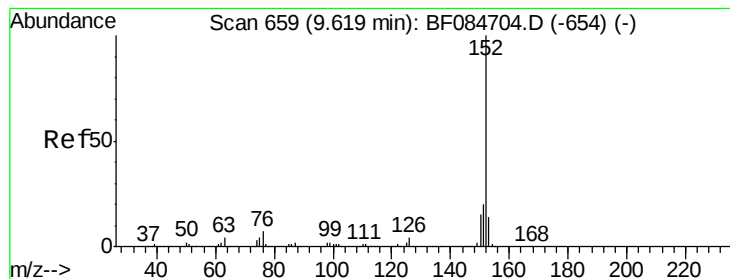
Tgt Ion: 154 Resp: 385708
Ion Ratio Lower Upper
154 100
153 40.6 21.6 61.6
76 8.2 0.0 32.7



#47
2-Nitroaniline
Concen: 9.07 ng
RT: 9.36 min Scan# 636
Delta R.T. 0.05 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Tgt Ion: 65 Resp: 38072
Ion Ratio Lower Upper
65 100
92 58.4 53.4 80.2
138 28.2 71.1 106.7#





#48

Acenaphthylene

Concen: 4.12 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleID :

BLFS-SOIL01

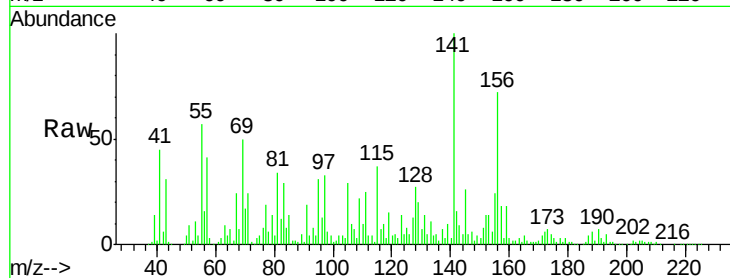
Tgt Ion:152 Resp: 82820

Ion Ratio Lower Upper

152 100

151 57.5 16.3 24.5#

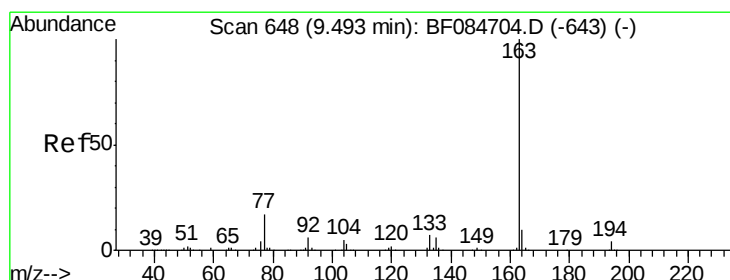
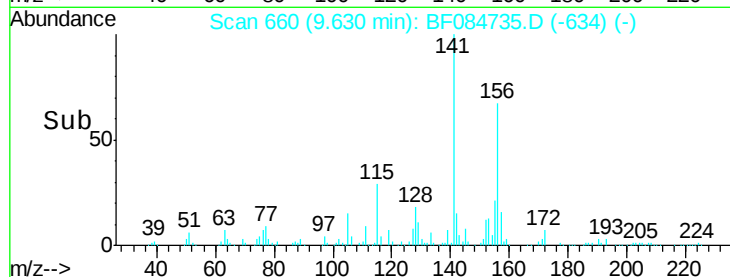
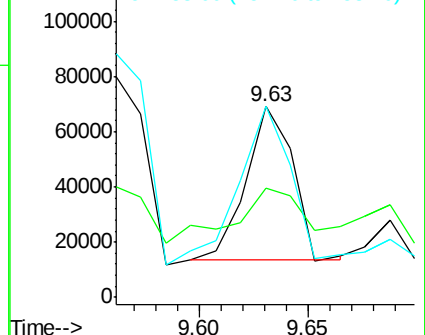
153 100.5 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 19.36 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

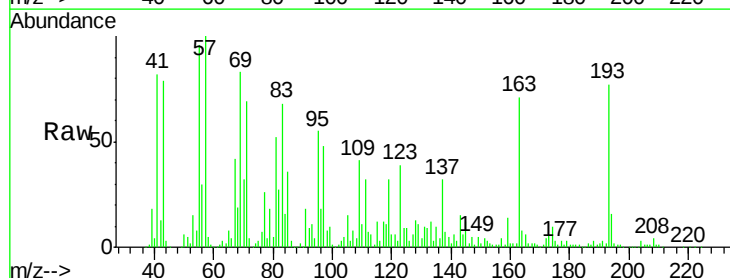
Tgt Ion:163 Resp: 297052

Ion Ratio Lower Upper

163 100

194 22.3 8.0 12.0#

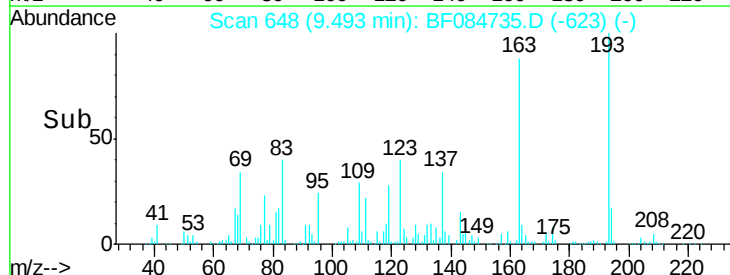
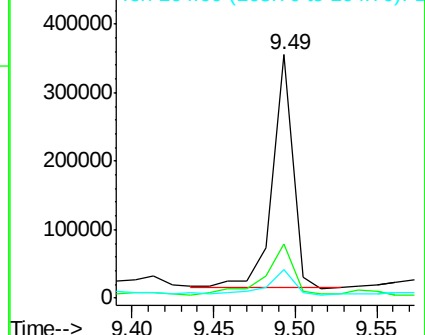
164 11.5 8.0 12.0

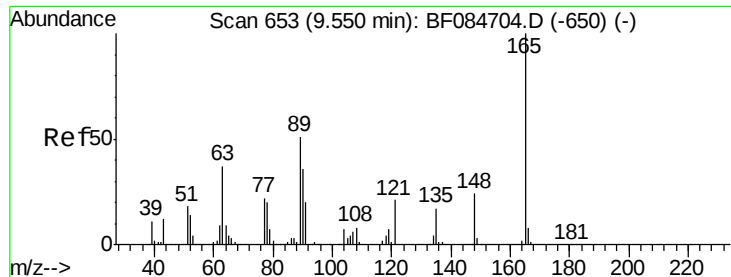


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 9.19 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

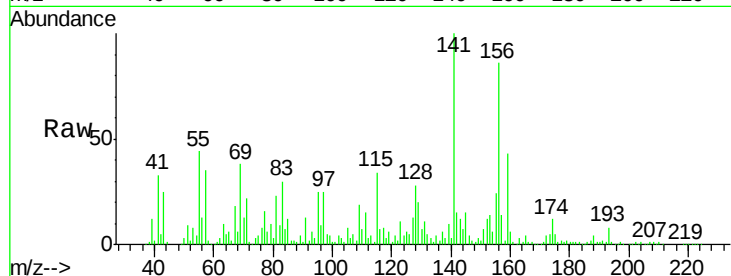
Tgt Ion:165 Resp: 30795

Ion Ratio Lower Upper

165 100

63 224.3 28.8 43.2#

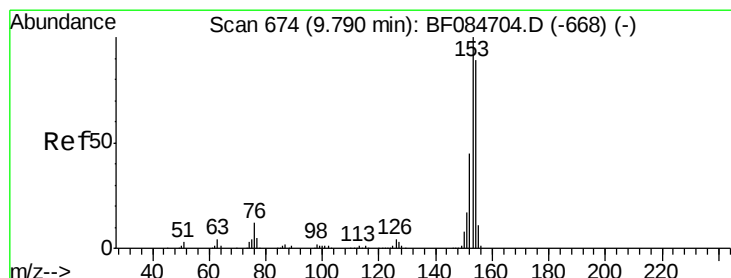
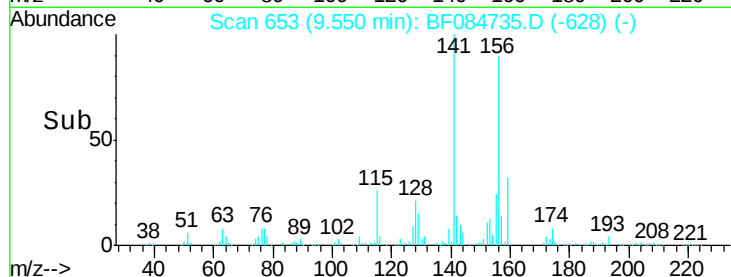
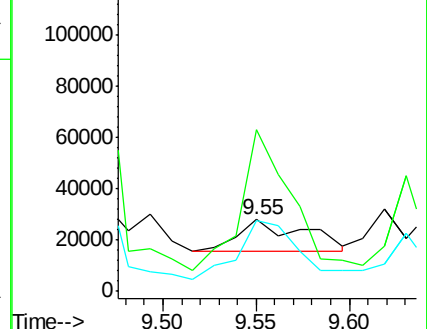
89 98.8 35.1 52.7#



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: 21.05 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

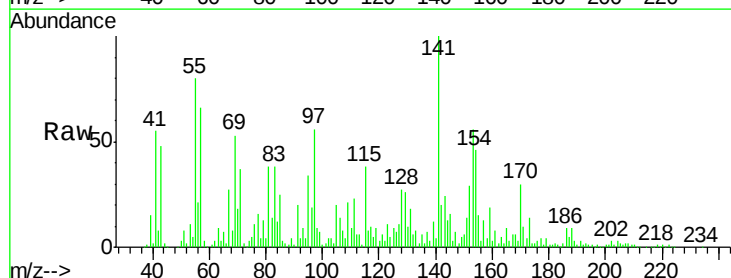
Tgt Ion:154 Resp: 275497

Ion Ratio Lower Upper

154 100

153 122.8 91.5 137.3

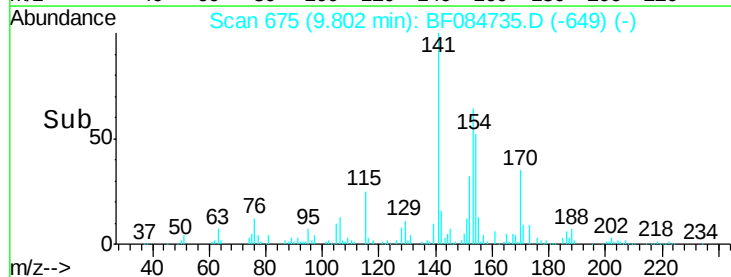
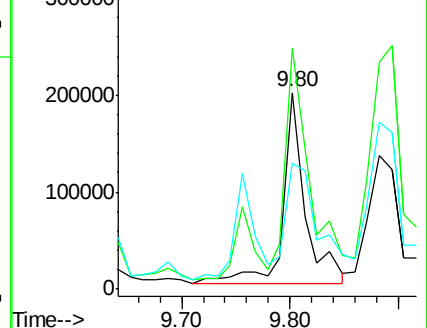
152 64.0 43.0 64.6

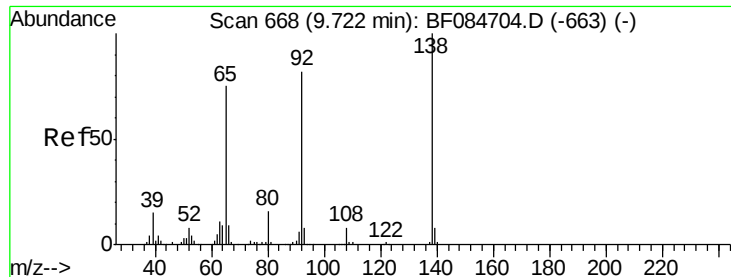


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 5.02 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

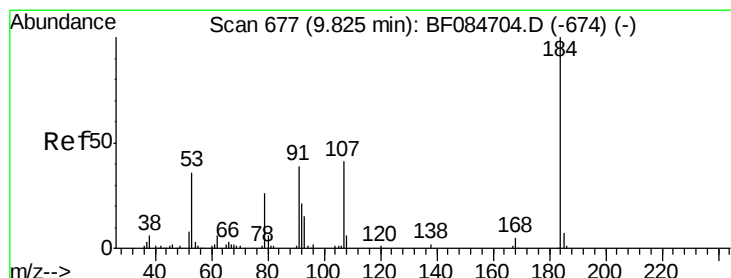
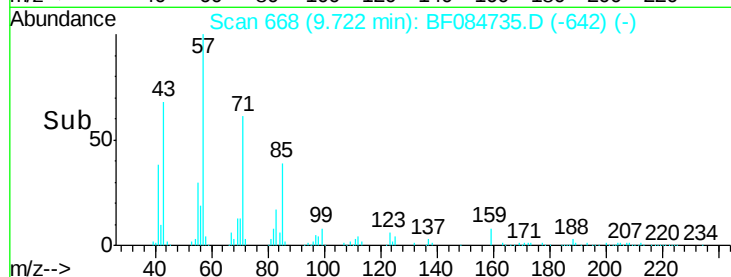
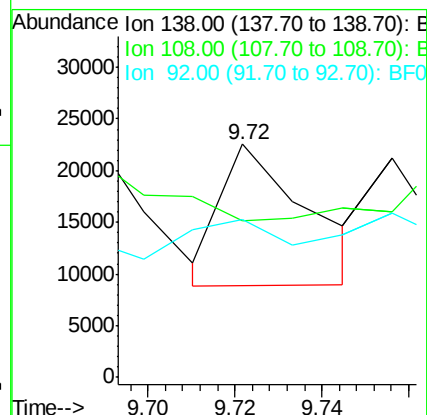
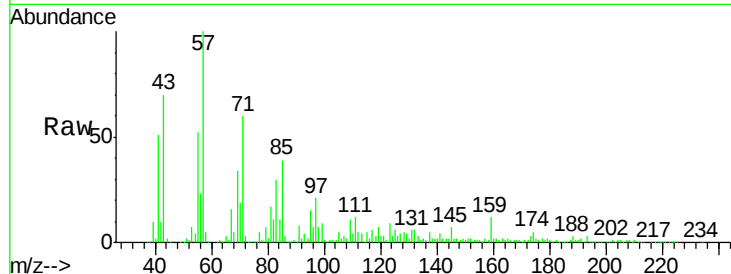
Tgt Ion:138 Resp: 18922

Ion Ratio Lower Upper

138 100

108 67.2 10.5 15.7#

92 67.7 103.9 155.9#



#53

2,4-Dinitrophenol

Concen: 7.01 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

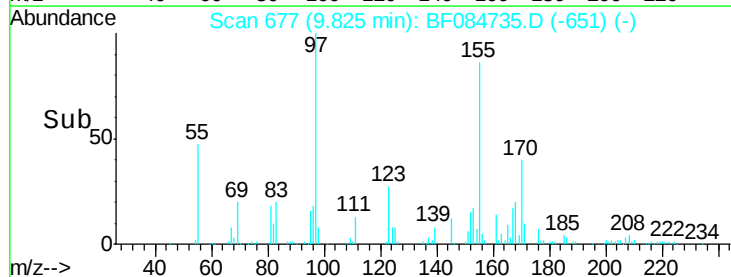
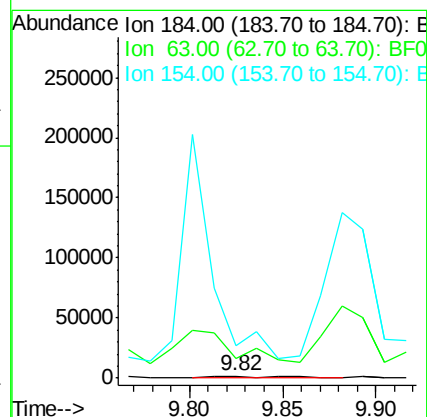
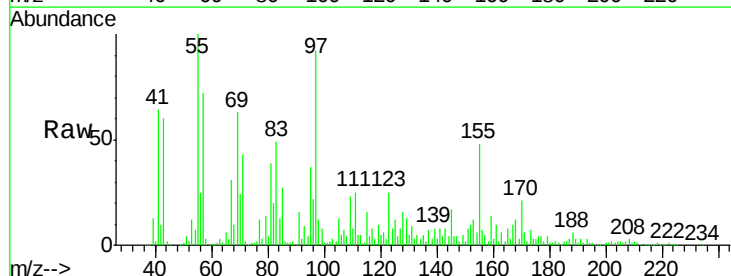
Tgt Ion:184 Resp: 2009

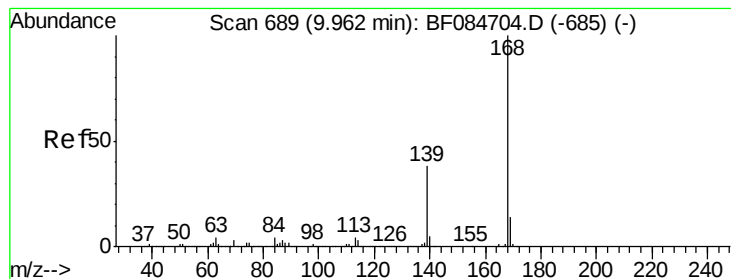
Ion Ratio Lower Upper

184 100

63 937.6 43.1 64.7#

154 1565.7 60.5 90.7#





#54

Dibenzofuran

Concen: 13.15 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

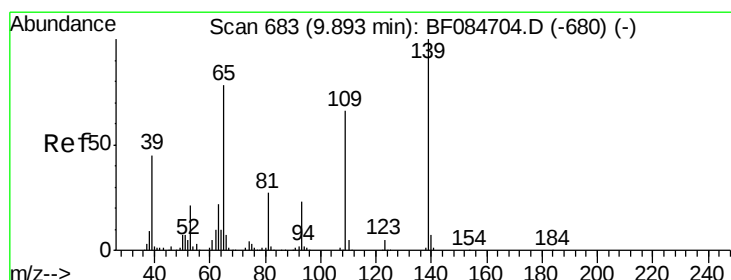
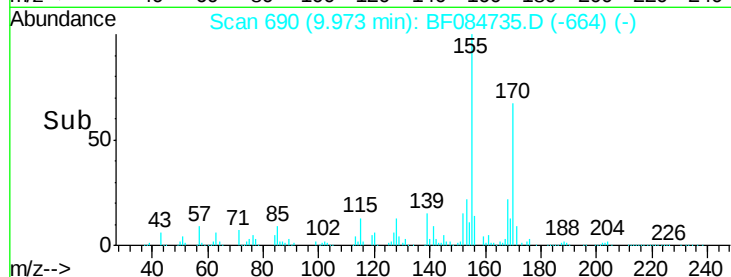
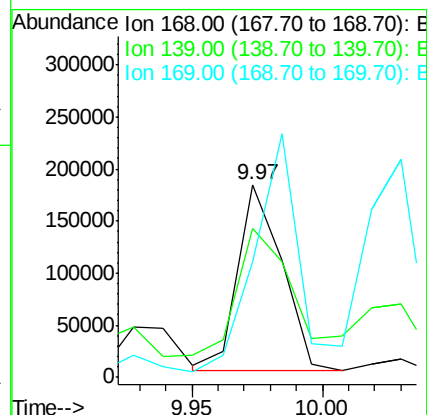
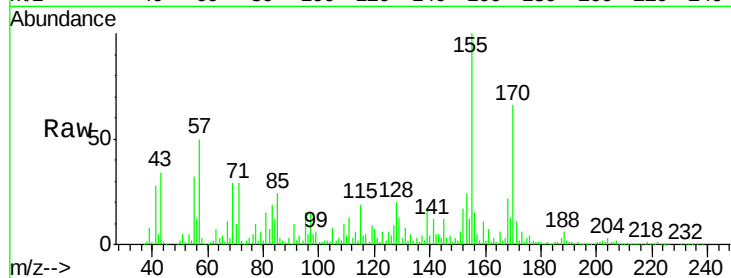
Tgt Ion:168 Resp: 210358

Ion Ratio Lower Upper

168 100

139 76.9 30.5 45.7#

169 60.0 10.4 15.6#



#55

4-Nitrophenol

Concen: 66.80 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

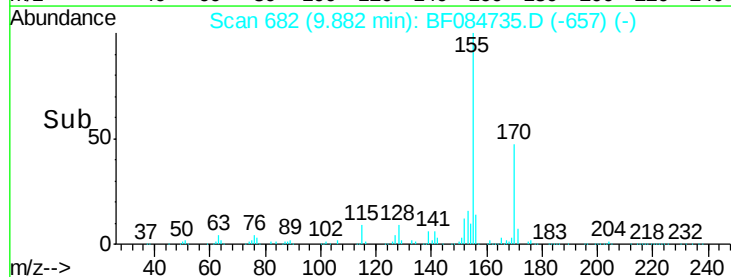
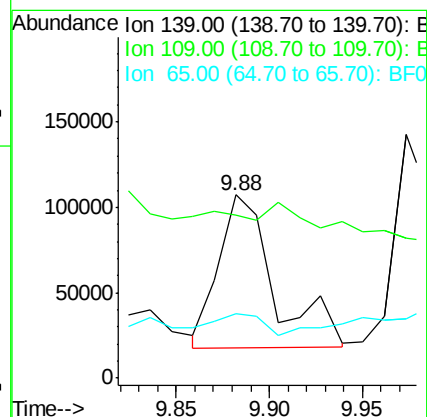
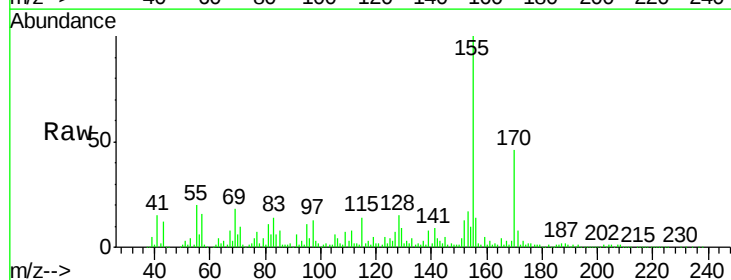
Tgt Ion:139 Resp: 184967

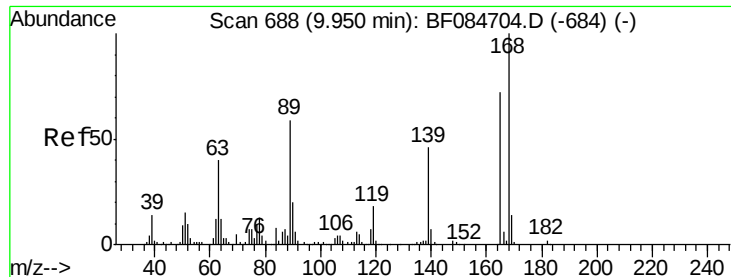
Ion Ratio Lower Upper

139 100

109 88.5 58.5 98.5

65 34.8 57.6 97.6#

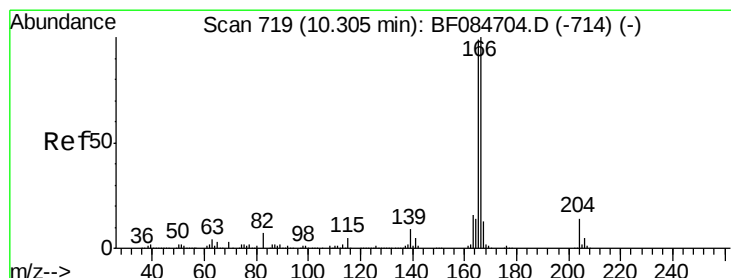
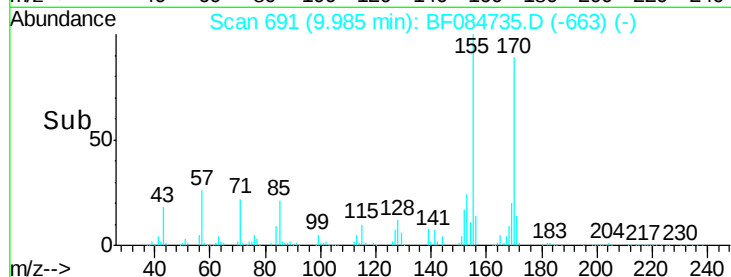
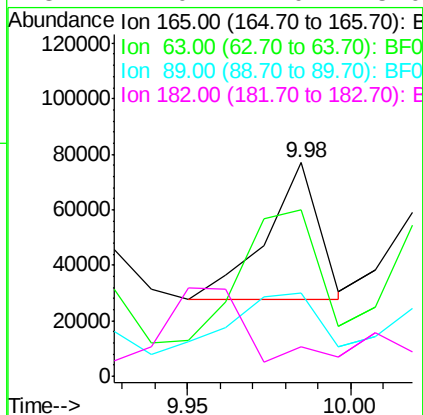
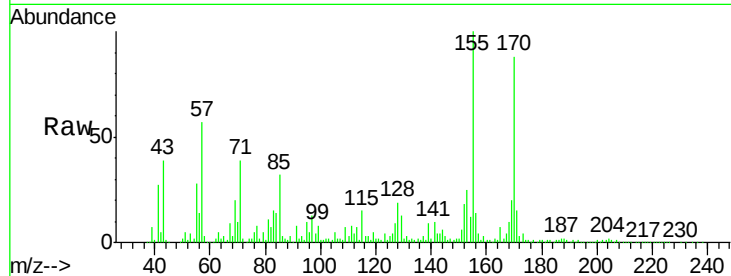




#56
2,4-Dinitrotoluene
Concen: 12.82 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.02 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

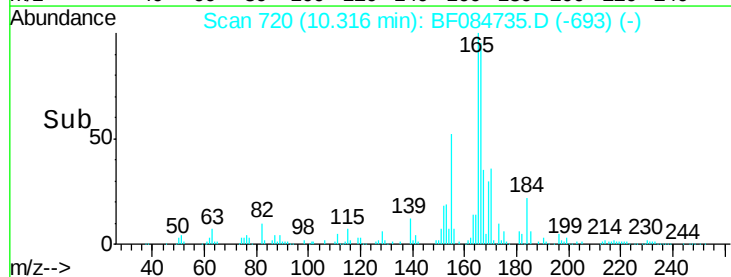
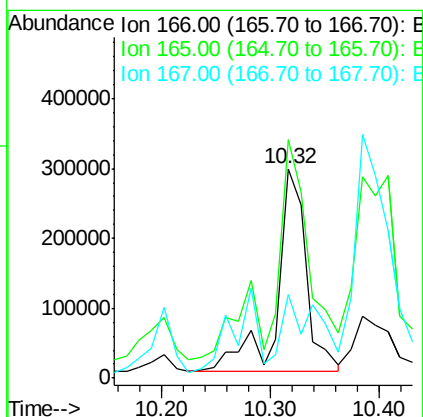
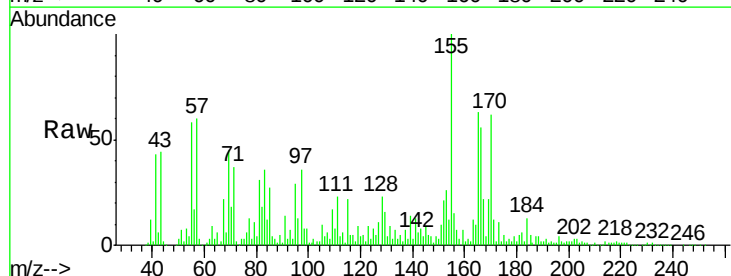
Instrument :
BNA_F
ClientSampled :
BLFS-SOIL01

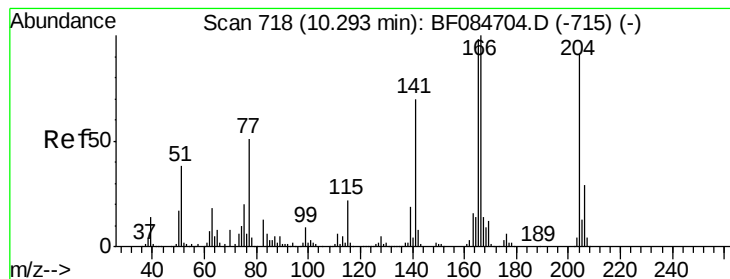
Tgt Ion:165 Resp: 54819
Ion Ratio Lower Upper
165 100
63 78.1 36.7 55.1#
89 38.8 61.9 92.9#
182 14.0 2.0 3.0#



#57
Fluorene
Concen: 40.87 ng
RT: 10.32 min Scan# 720
Delta R.T. 0.01 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Tgt Ion:166 Resp: 545842
Ion Ratio Lower Upper
166 100
165 114.0 79.1 118.7
167 40.1 10.4 15.6#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.33 min Scan# 721

Delta R.T. 0.02 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

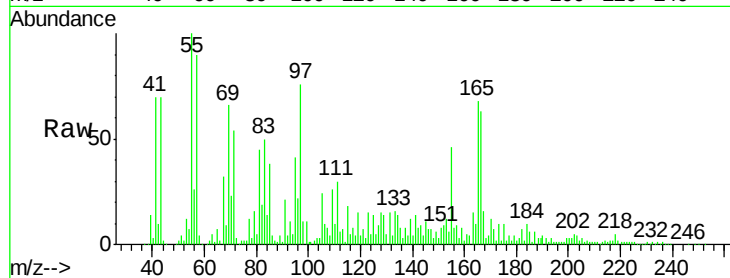
Tgt Ion:204 Resp: 4733

Ion Ratio Lower Upper

204 100

206 71.0 25.7 38.5#

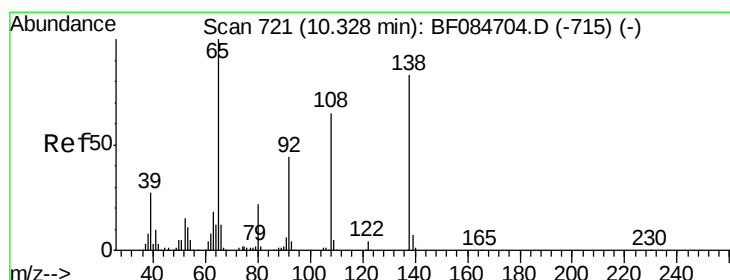
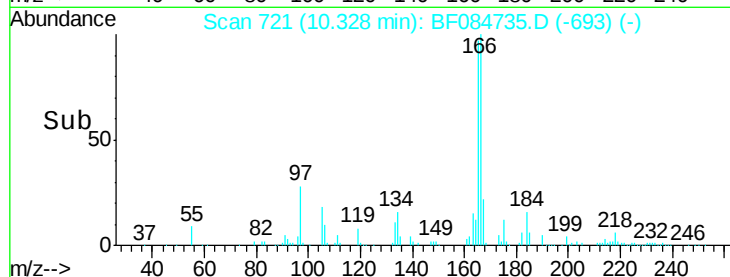
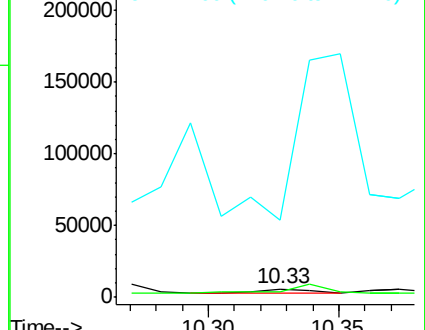
141 895.9 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#61

4-Nitroaniline

Concen: 5.41 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.10 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

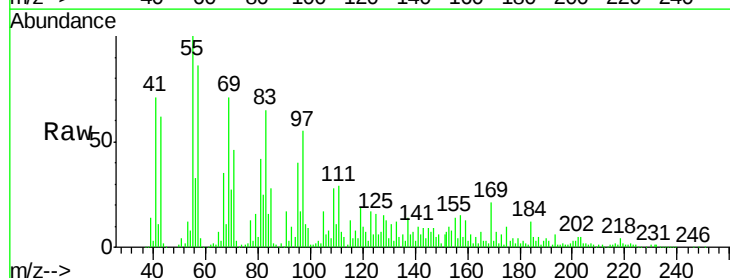
Tgt Ion:138 Resp: 19870

Ion Ratio Lower Upper

138 100

92 58.0 32.6 72.6

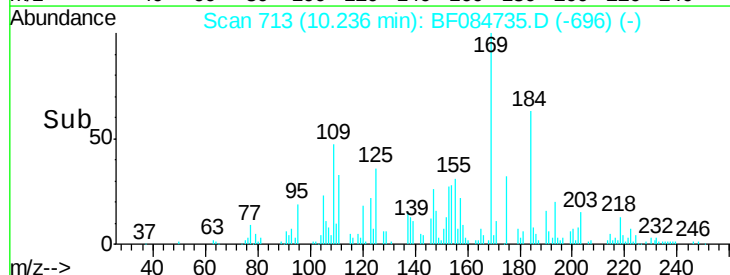
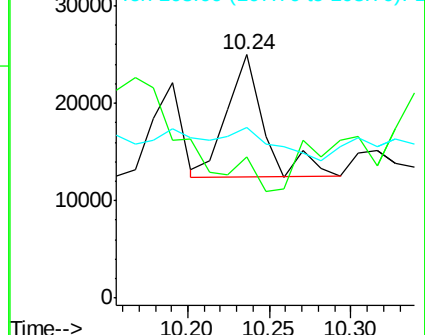
108 70.1 68.6 108.6

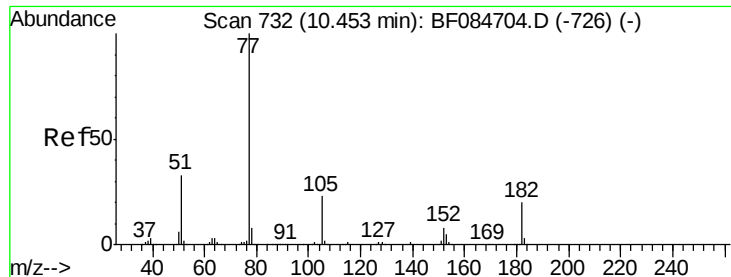


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 4.98 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

Tgt Ion: 77 Resp: 71759

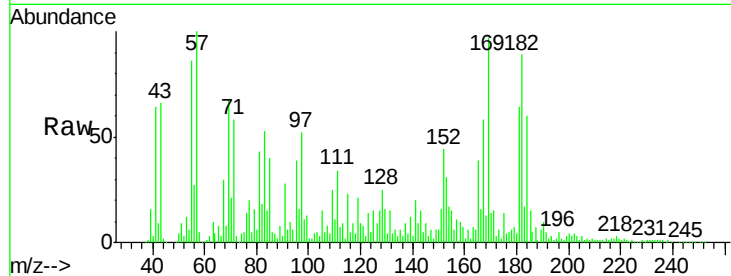
Ion Ratio Lower Upper

77 100

182 441.9 8.3 48.3#

105 76.1 4.6 44.6#

51 45.8 6.2 46.2

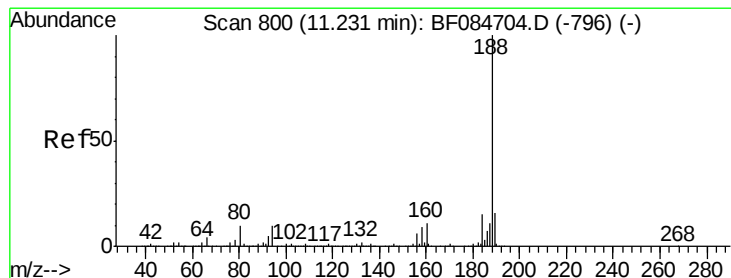
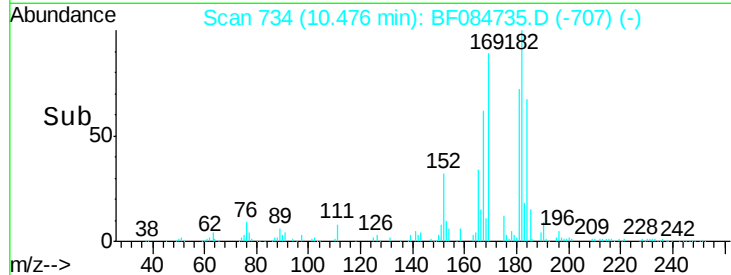
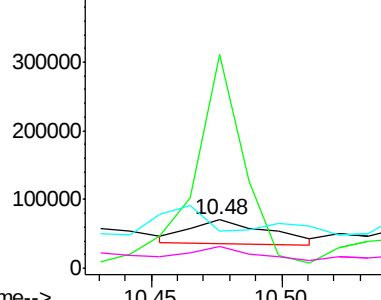


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. 0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

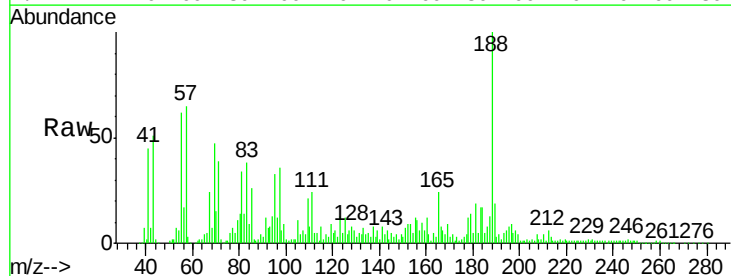
Tgt Ion: 188 Resp: 388778

Ion Ratio Lower Upper

188 100

94 12.9 9.0 13.4

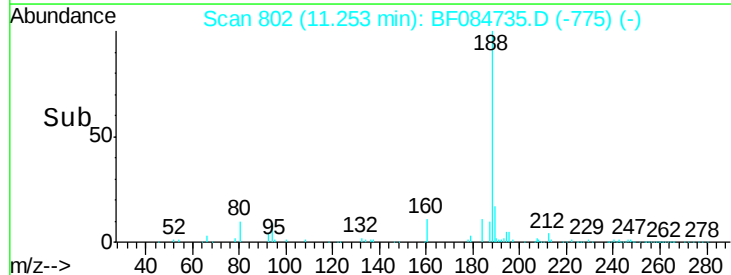
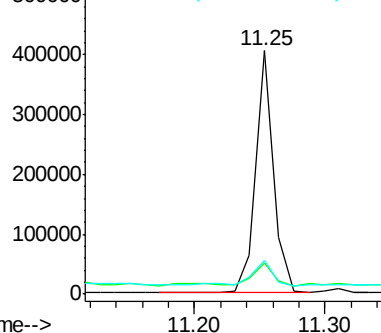
80 13.8 9.6 14.4

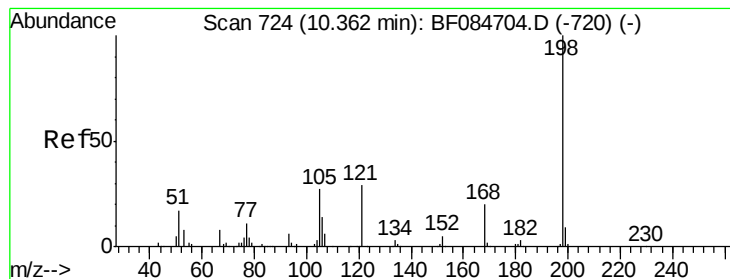


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.78 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.03 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

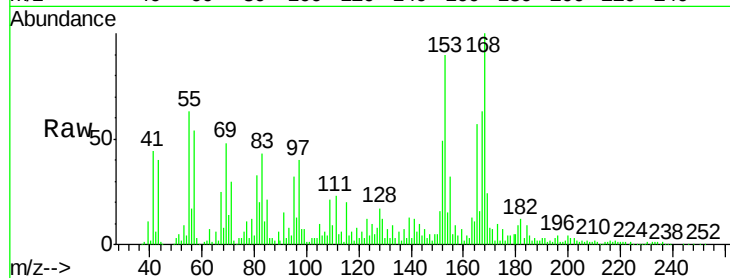
Tgt Ion:198 Resp: 6677

Ion Ratio Lower Upper

198 100

51 388.1 18.9 58.9#

105 710.9 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

120000

100000

80000

60000

40000

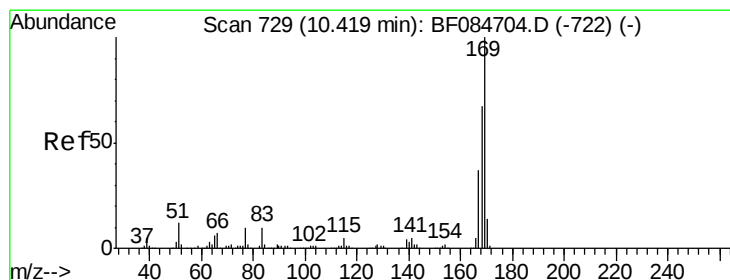
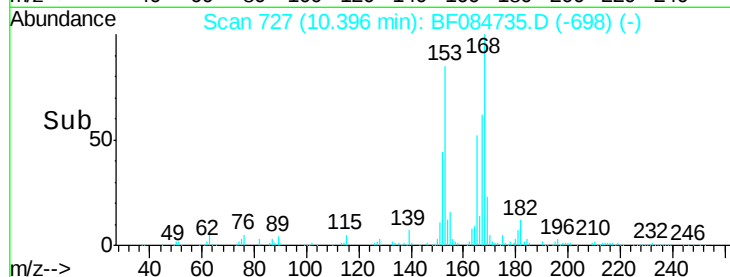
20000

0

10.35

10.40

Time-->



#65

n-Nitrosodiphenylamine

Concen: 80.84 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

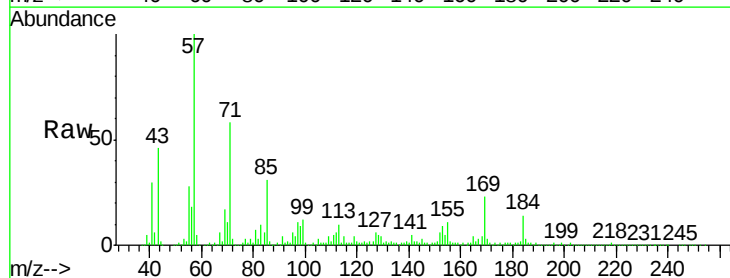
Tgt Ion:169 Resp: 997920

Ion Ratio Lower Upper

169 100

168 16.4 55.1 82.7#

167 12.4 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

600000

400000

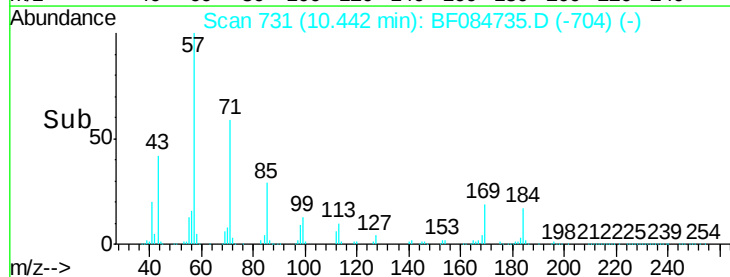
200000

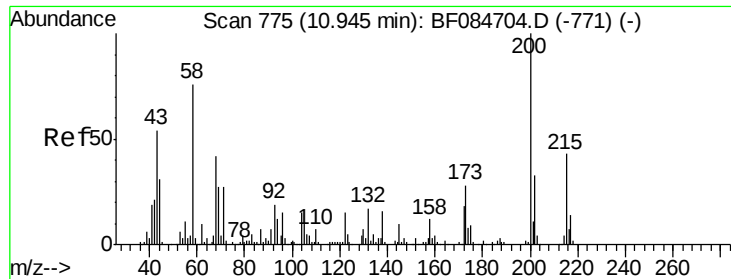
0

10.40

10.44

Time-->

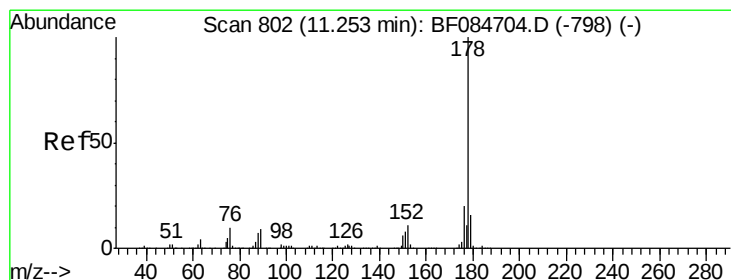
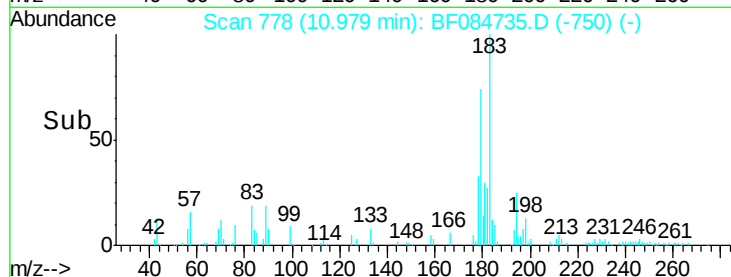
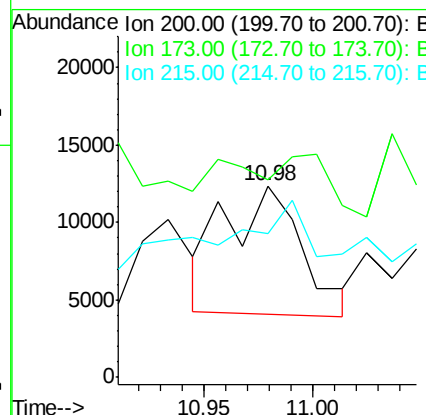
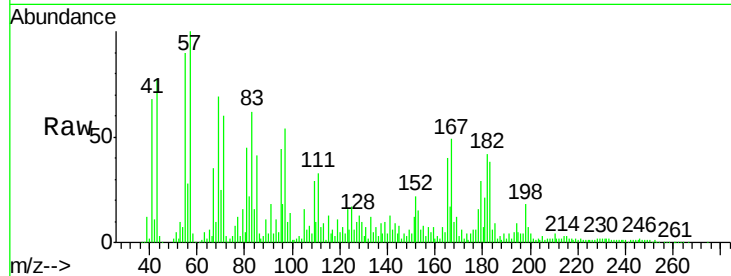




#68
 Atrazine
 Concen: 5.16 ng
 RT: 10.98 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

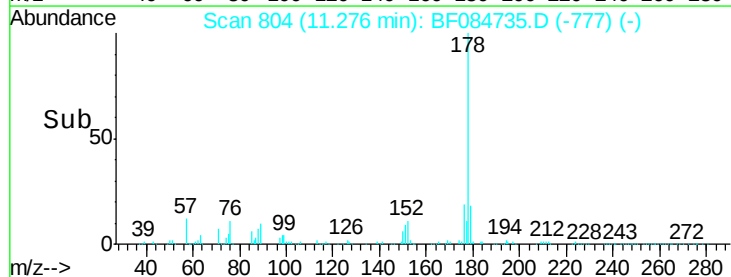
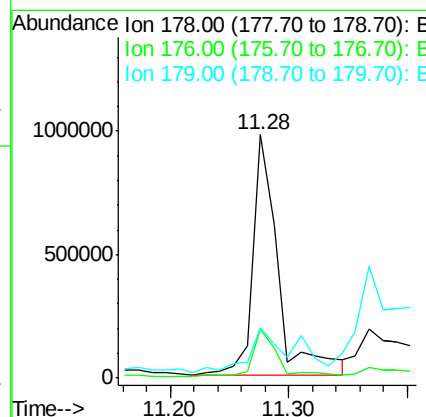
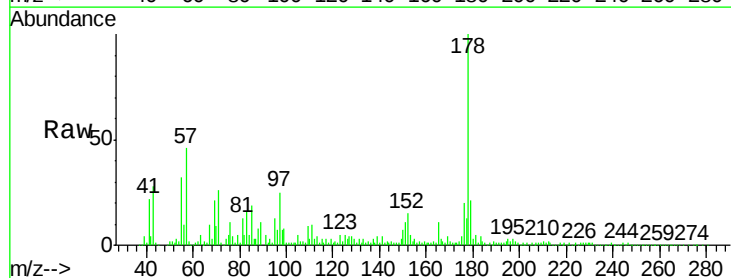
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

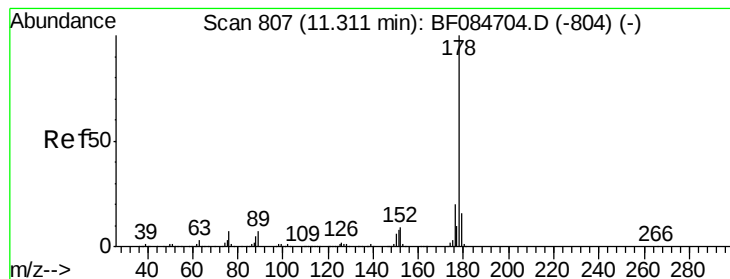
Tgt Ion:200 Resp: 20118
 Ion Ratio Lower Upper
 200 100
 173 103.1 9.5 49.5#
 215 75.4 23.8 63.8#



#70
 Phenanthrene
 Concen: 66.81 ng
 RT: 11.28 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

Tgt Ion:178 Resp: 1440723
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.3 22.9
 179 20.6 12.0 18.0#





#71

Anthracene

Concen: 30.34 ng

RT: 11.37 min Scan# 812

Delta R.T. 0.05 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

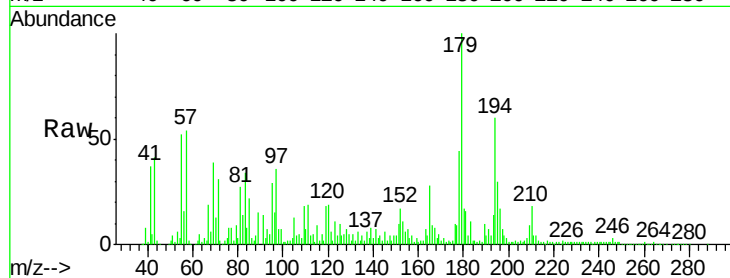
Tgt Ion:178 Resp: 659224

Ion Ratio Lower Upper

178 100

176 22.1 15.4 23.0

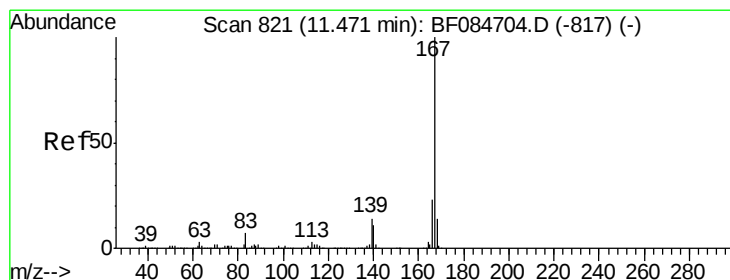
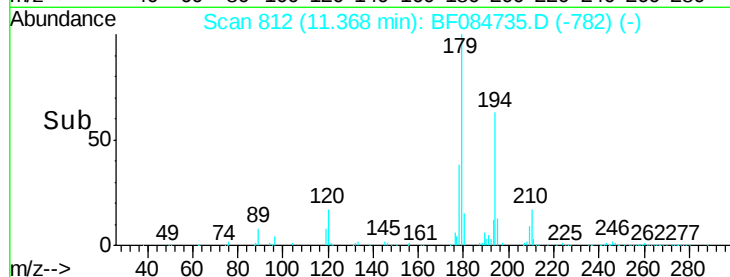
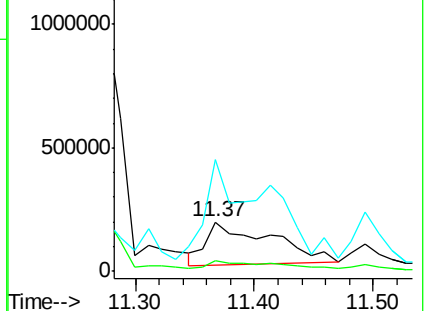
179 228.5 12.5 18.7#



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



#72

Carbazole

Concen: 2.96 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

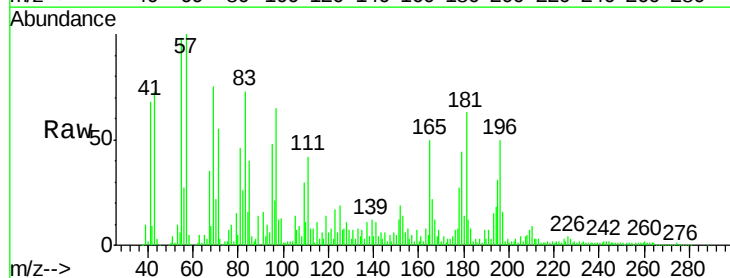
Tgt Ion:167 Resp: 56168

Ion Ratio Lower Upper

167 100

166 177.2 17.6 26.4#

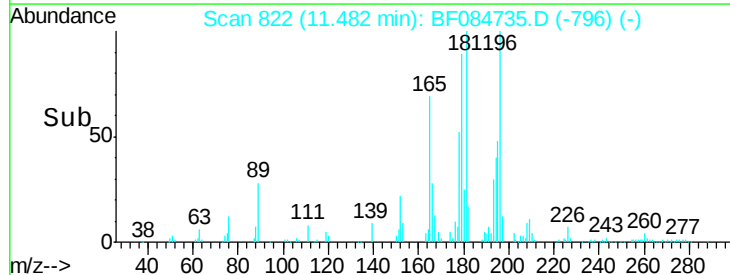
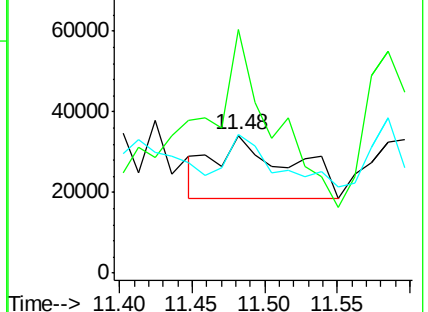
139 100.5 11.8 17.8#

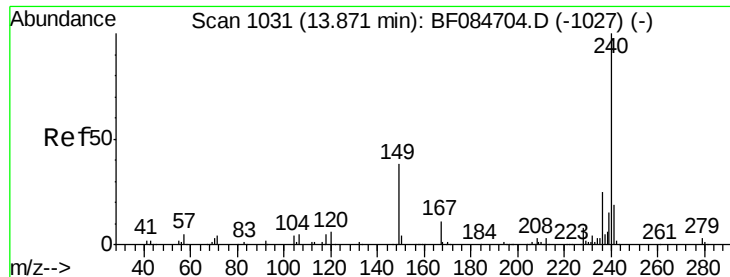


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

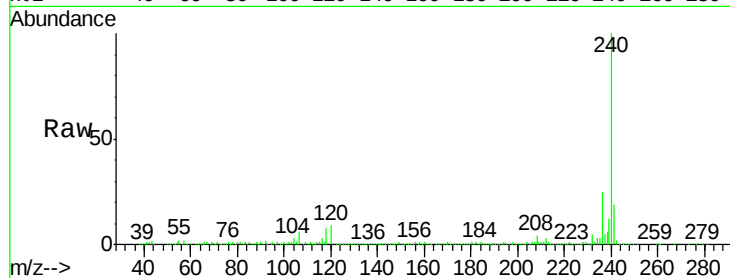
Tgt Ion:240 Resp: 422846

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

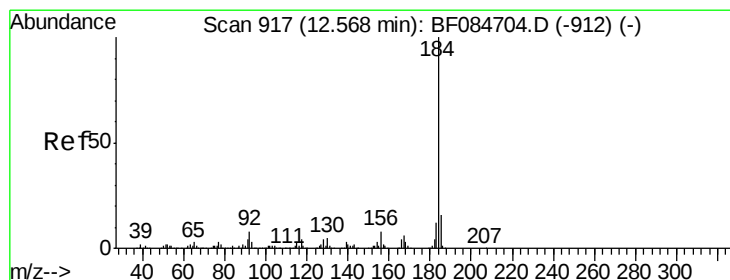
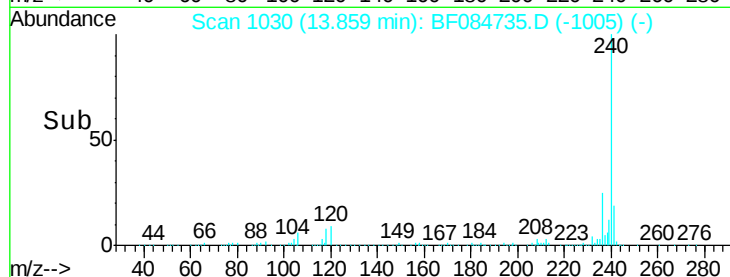
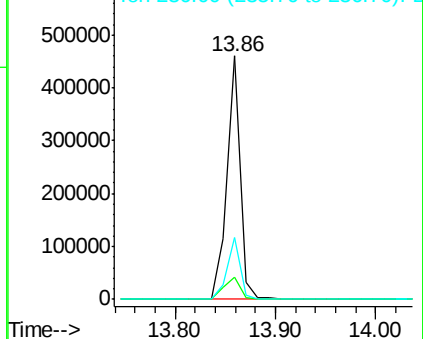
236 25.3 20.6 31.0



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



#76

Benzidine

Concen: 7.05 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.03 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

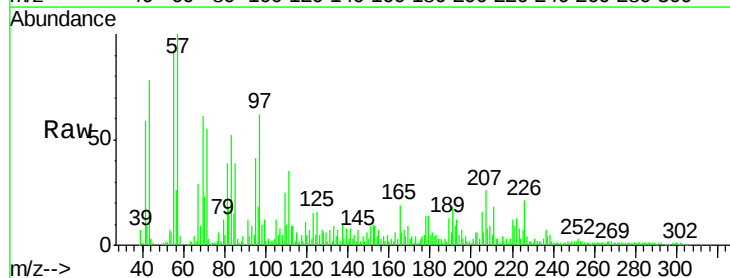
Tgt Ion:184 Resp: 3544

Ion Ratio Lower Upper

184 100

185 90.9 12.2 18.2#

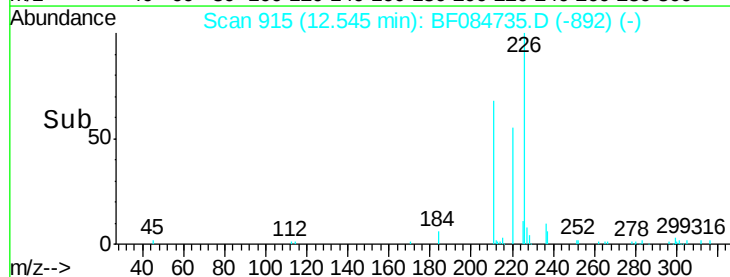
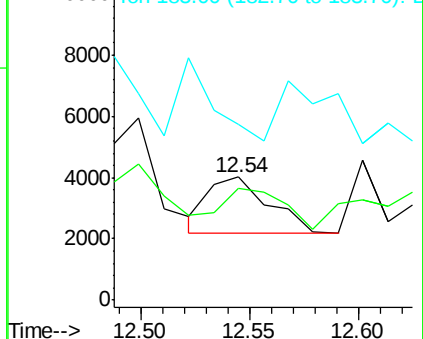
183 143.1 9.8 14.8#

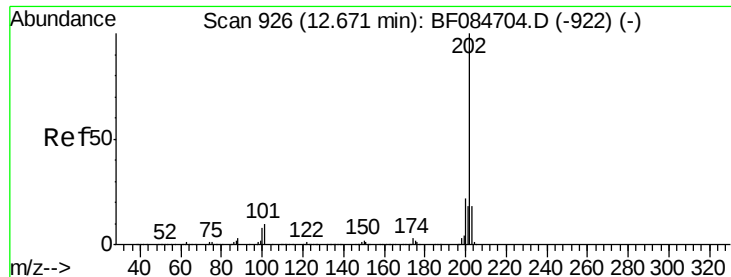


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.26 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

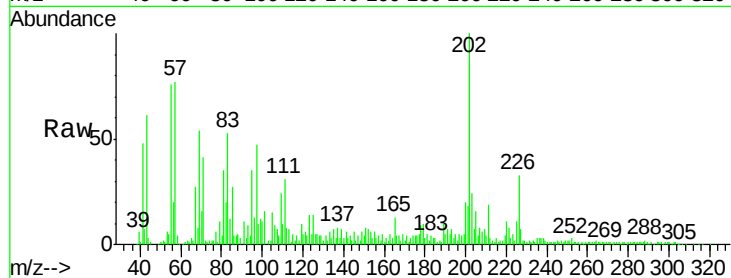
Tgt Ion:202 Resp: 138014

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

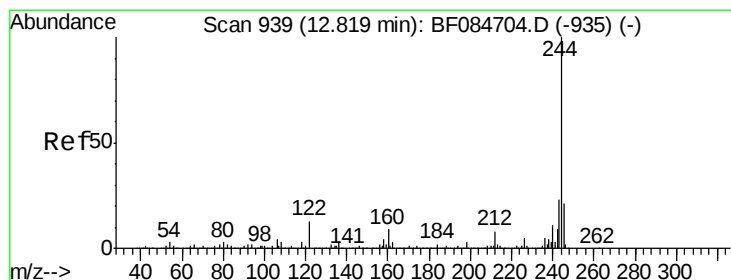
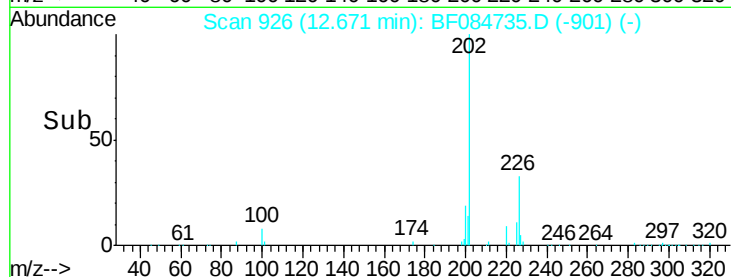
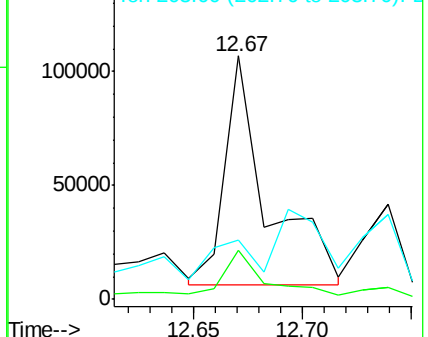
203 24.3 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 58.14 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

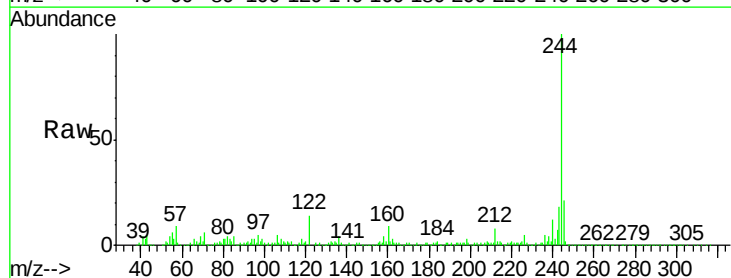
Tgt Ion:244 Resp: 1084901

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

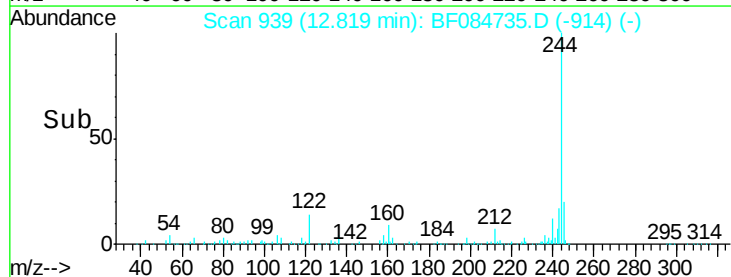
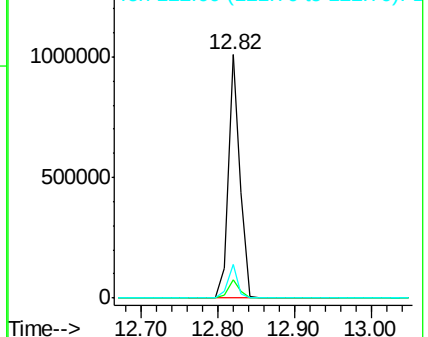
122 14.0 7.4 11.0#

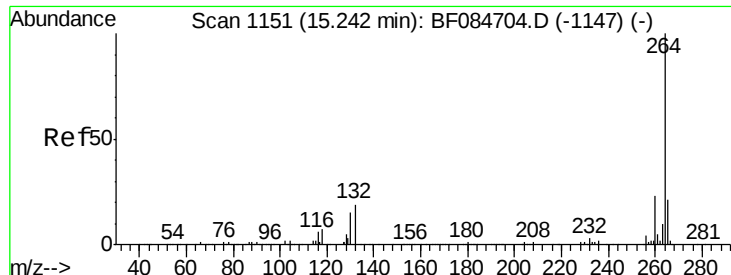


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

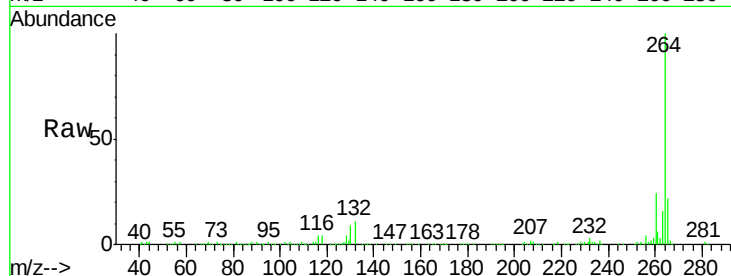




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.8	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

