

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF088986.D
 Acq On : 14 Jul 2016 14:51
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-2PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jul 15 01:16:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

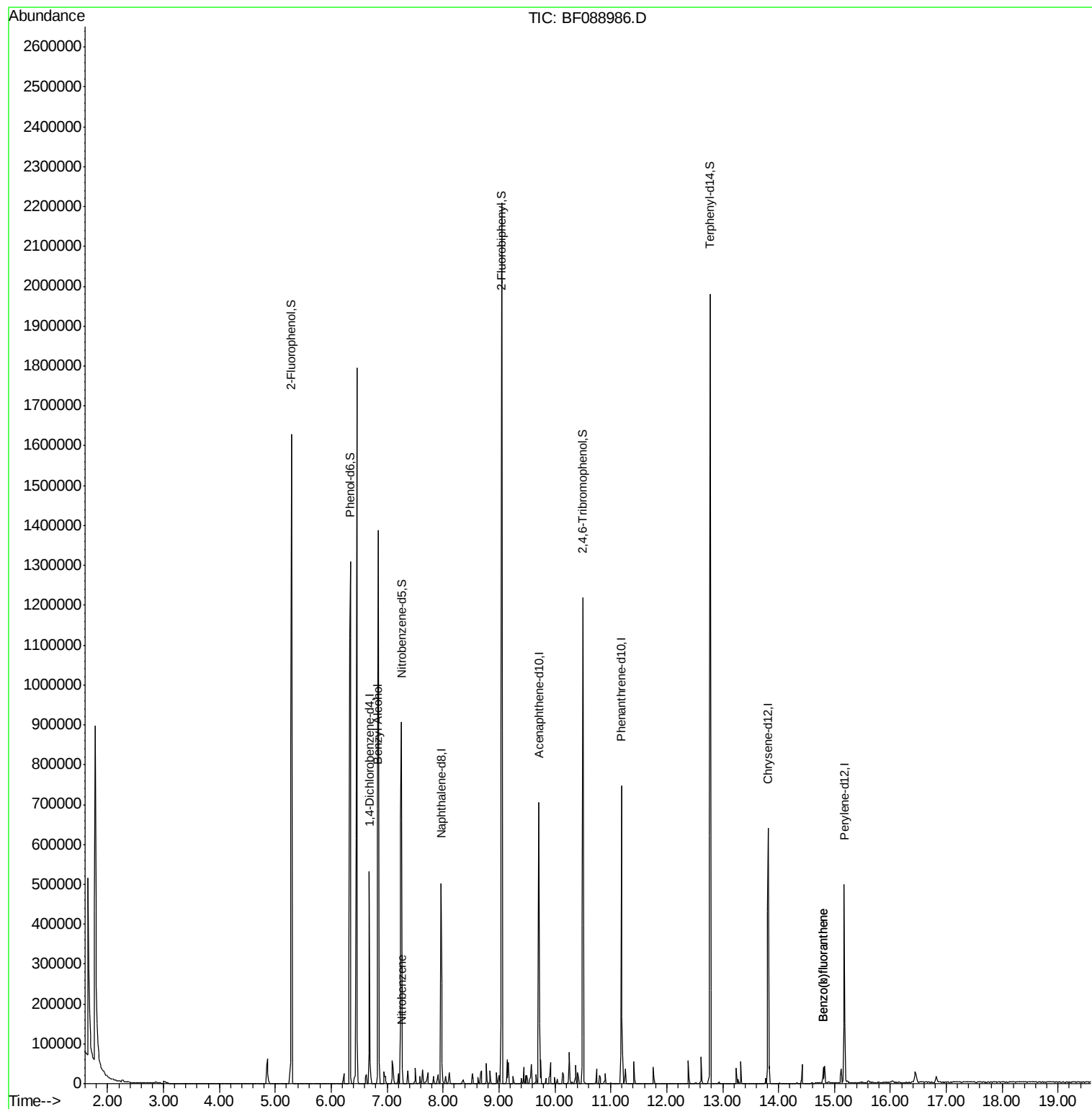
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	70674	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	273074	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	137184	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	261619	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	243863	20.00	ng	-0.03
86) Perylene-d12	15.18	264	196620	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	492195	104.37	ng	0.00
7) Phenol-d6	6.34	99	673295	110.50	ng	-0.01
23) Nitrobenzene-d5	7.26	82	416644	79.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	118114	92.72	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	736504	84.80	ng	-0.02
78) Terphenyl-d14	12.78	244	599262	54.73	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.83	79	13347	2.98	ng	# 70
24) Nitrobenzene	7.27	77	10524	2.00	ng	88
87) Benzo(b)fluoranthene	14.80	252	36031	2.92	ng	98
88) Benzo(k)fluoranthene	14.80	252	36031	3.36	ng	# 95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

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LOD-SOIL2016-01

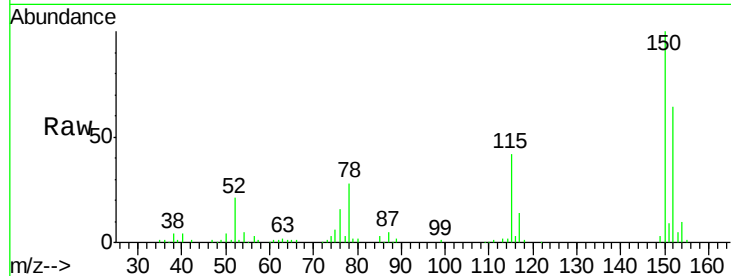
Tgt Ion:152 Resp: 70674

Ion Ratio Lower Upper

152 100

150 156.9 123.8 185.6

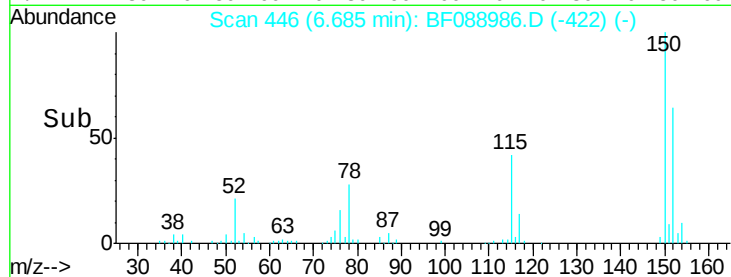
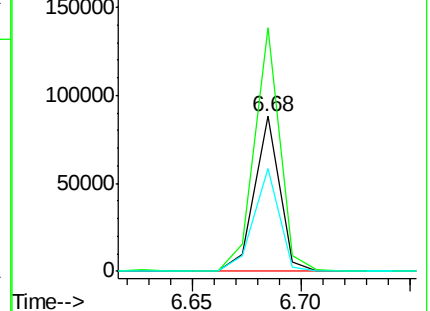
115 66.0 39.6 59.4#



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: 104.37 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

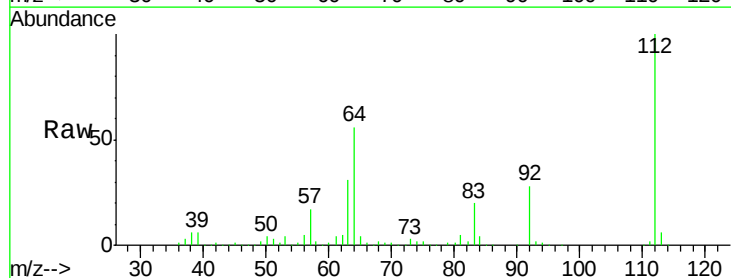
Tgt Ion:112 Resp: 492195

Ion Ratio Lower Upper

112 100

64 56.5 42.2 63.2

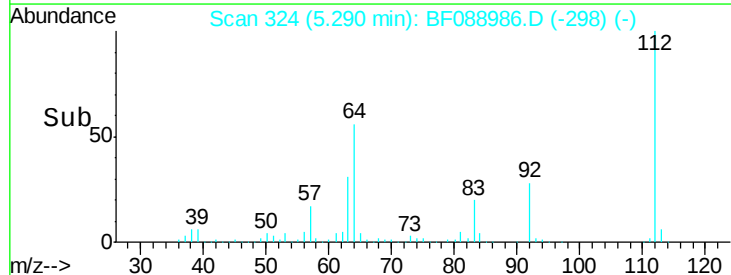
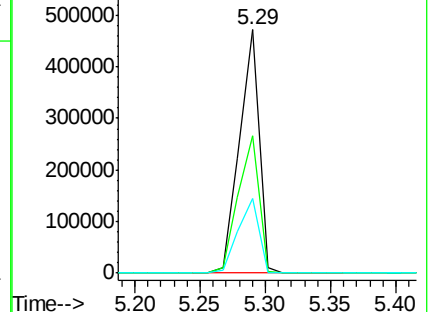
63 30.7 21.8 32.8



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: 110.50 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

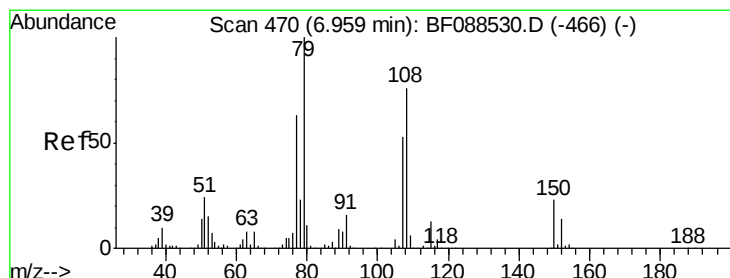
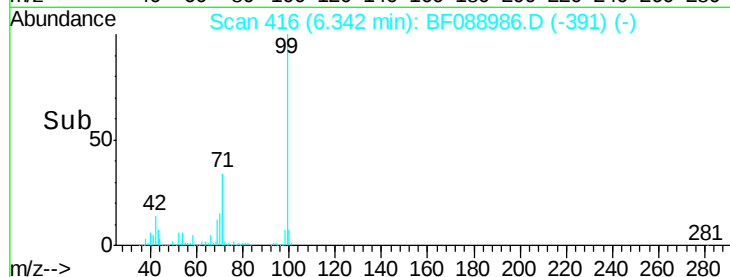
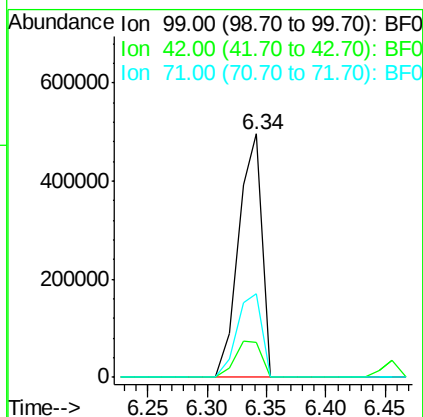
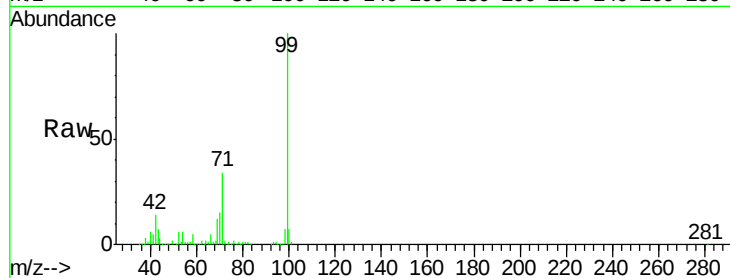
Tgt Ion: 99 Resp: 673295

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

71 34.1 23.4 35.0



#15

Benzyl Alcohol

Concen: 2.98 ng

RT: 6.83 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

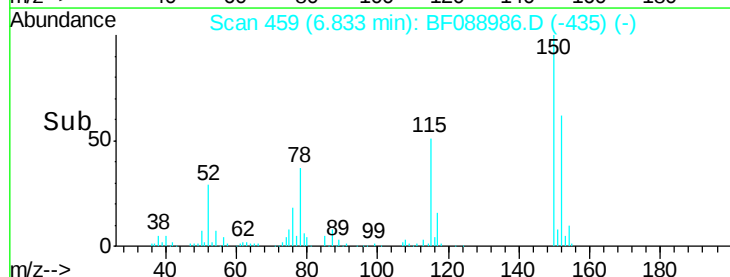
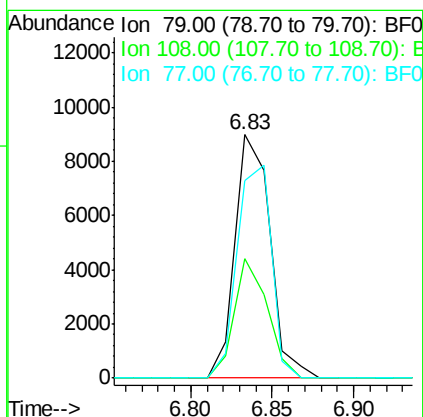
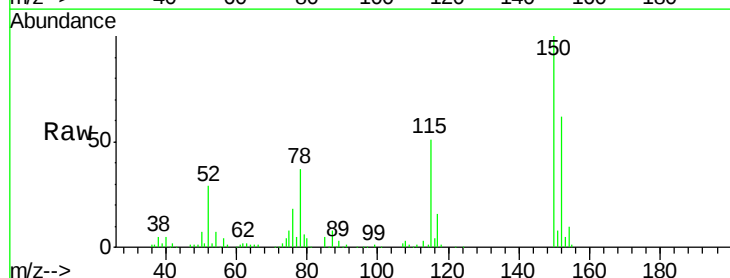
Tgt Ion: 79 Resp: 13347

Ion Ratio Lower Upper

79 100

108 49.1 65.0 97.6#

77 80.9 50.3 75.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:136 Resp: 273074

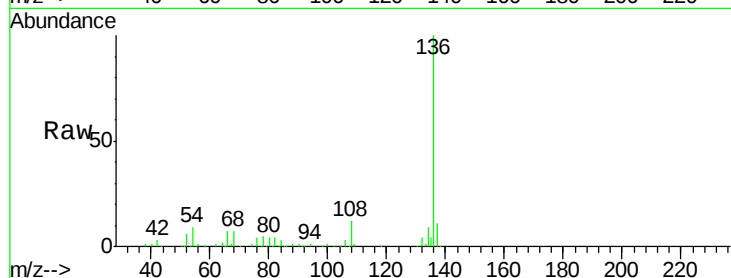
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.1 6.6 10.0

68 7.0 5.1 7.7

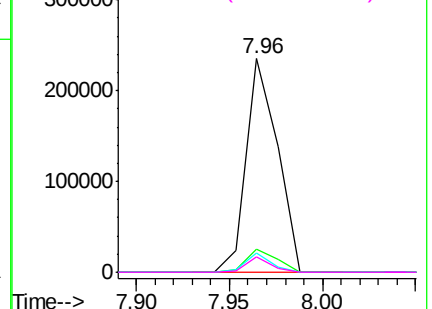
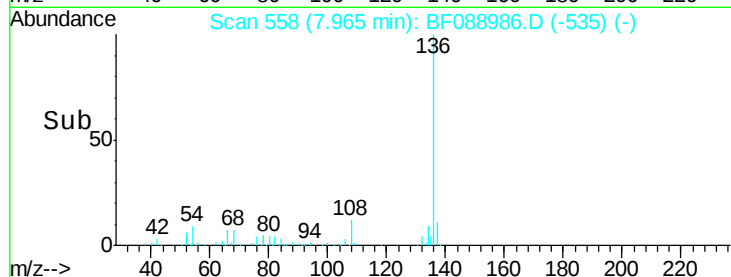


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 79.96 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

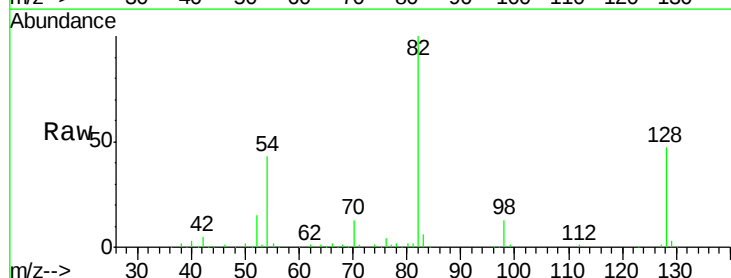
Tgt Ion: 82 Resp: 416644

Ion Ratio Lower Upper

82 100

128 47.2 35.9 53.9

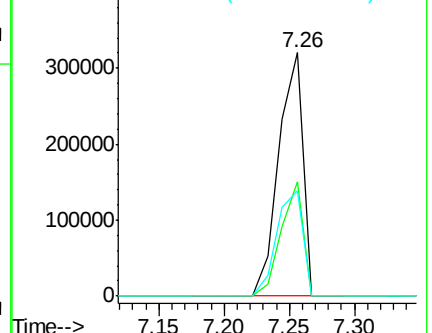
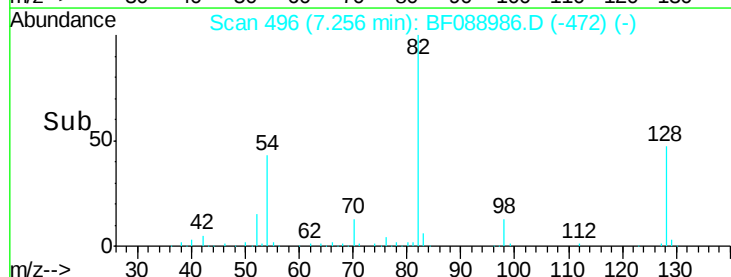
54 43.3 40.9 61.3

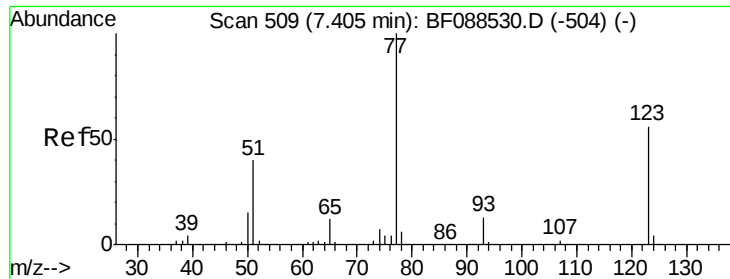


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.00 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.03 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

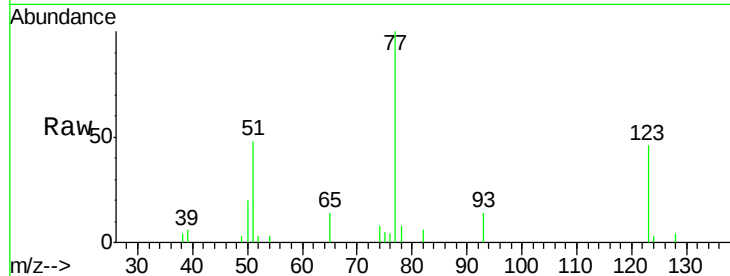
Tgt Ion: 77 Resp: 10524

Ion Ratio Lower Upper

77 100

123 46.3 45.0 67.4

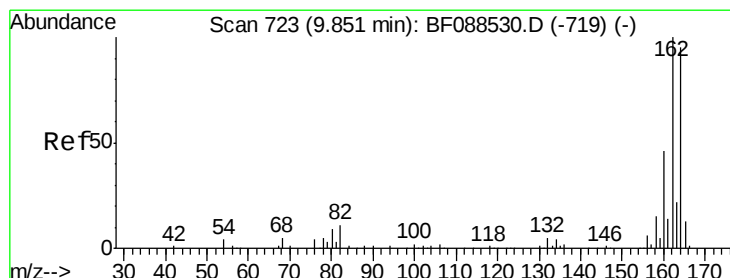
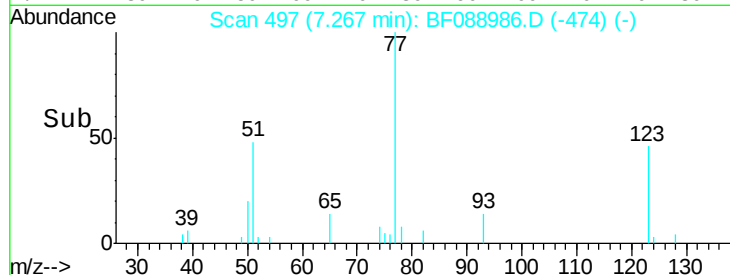
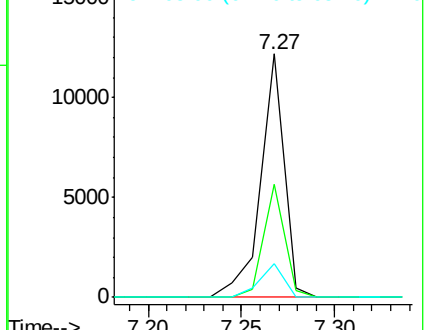
65 14.0 10.2 15.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

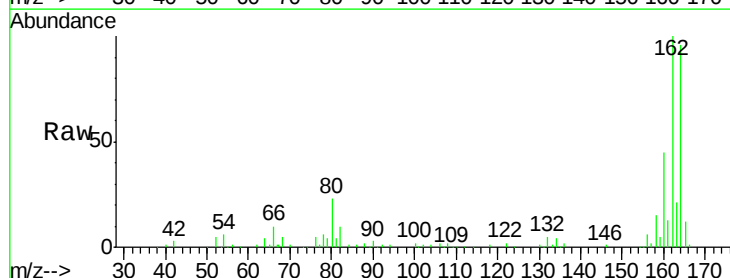
Tgt Ion: 164 Resp: 137184

Ion Ratio Lower Upper

164 100

162 103.9 85.4 128.2

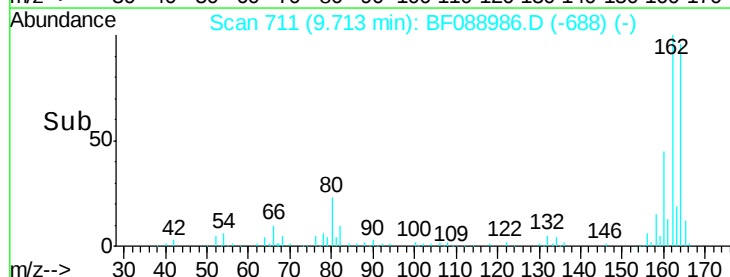
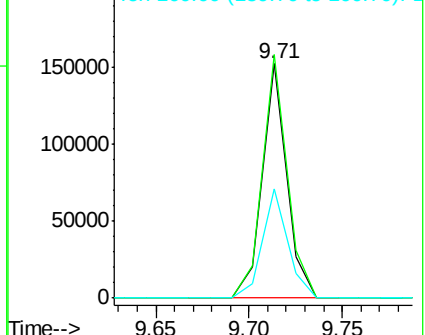
160 46.4 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

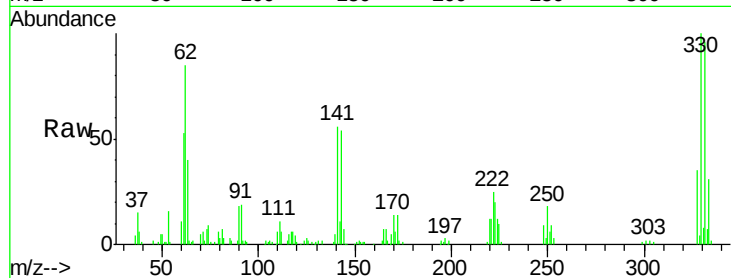




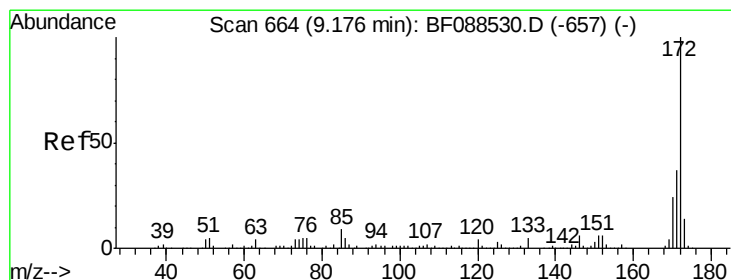
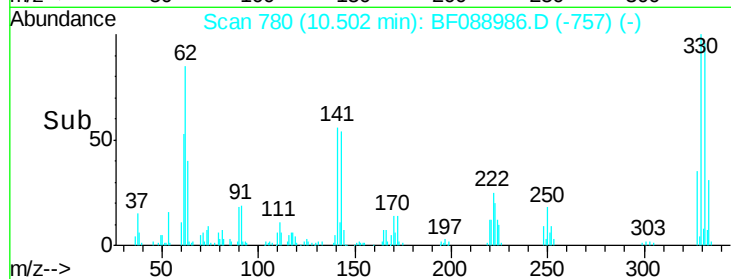
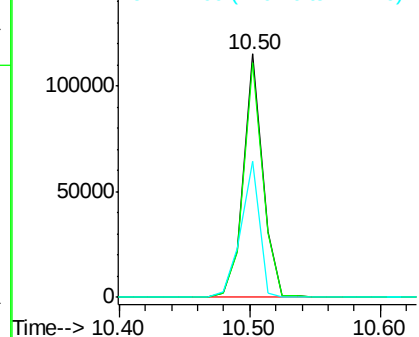
#41
 2,4,6-Tribromophenol
 Concen: 92.72 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	118114		
332	96.5	0.0	0.0	0.0
141	53.9	0.0	0.0	0.0

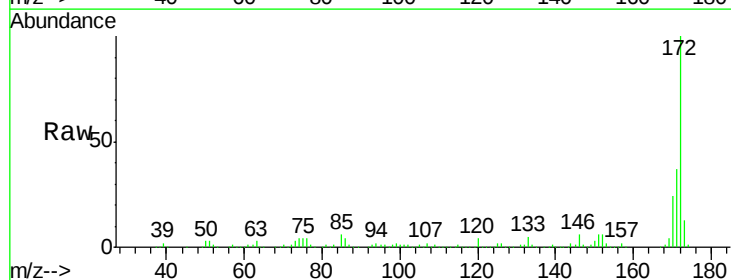


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

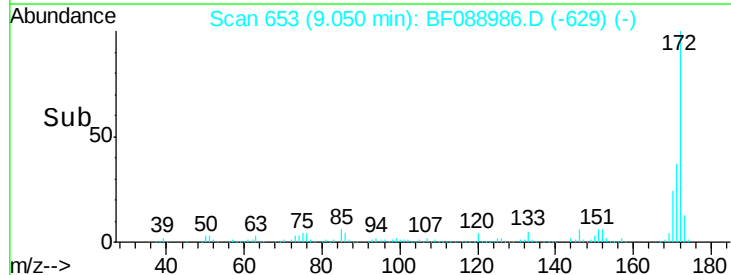
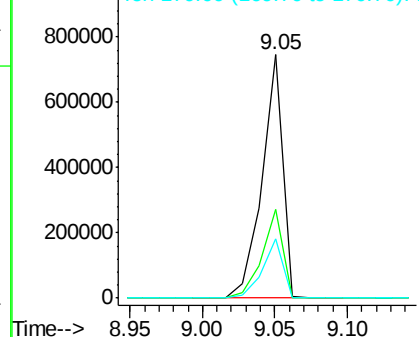


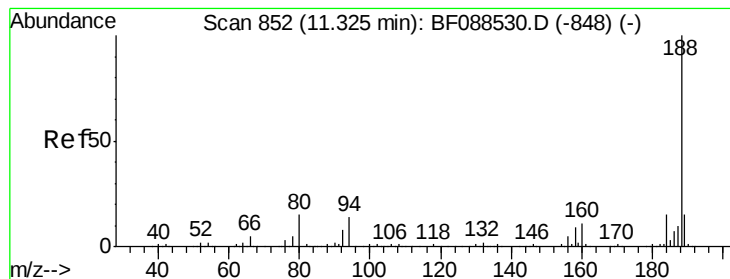
#44
 2-Fluorobiphenyl
 Concen: 84.80 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	736504		
171	36.5	28.6	43.0	
170	24.1	19.2	28.8	



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

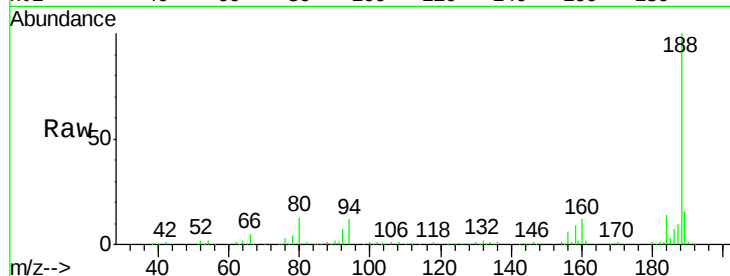
Tgt Ion:188 Resp: 261619

Ion Ratio Lower Upper

188 100

94 11.7 9.0 13.6

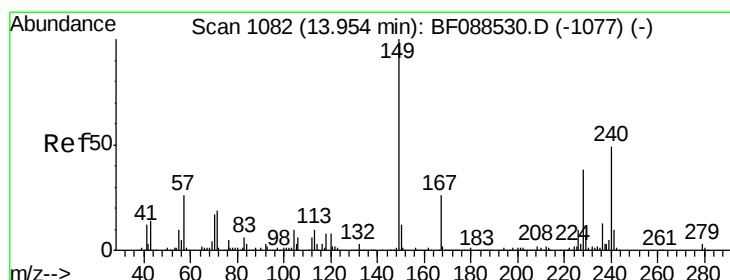
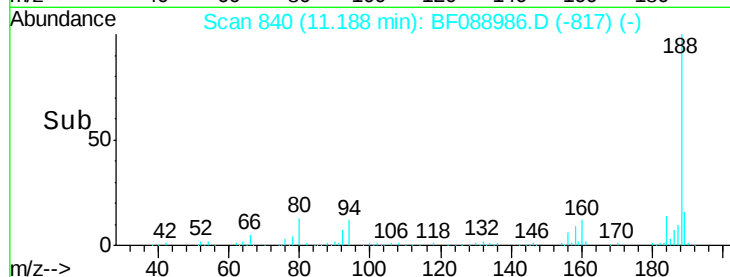
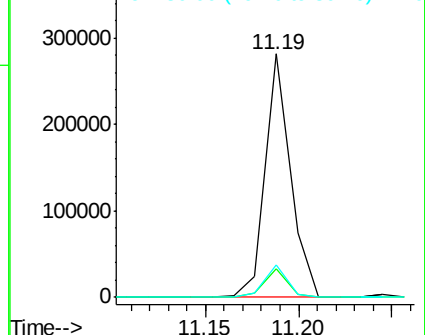
80 13.3 10.0 15.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF088986.D

Acq: 14 Jul 2016 14:51

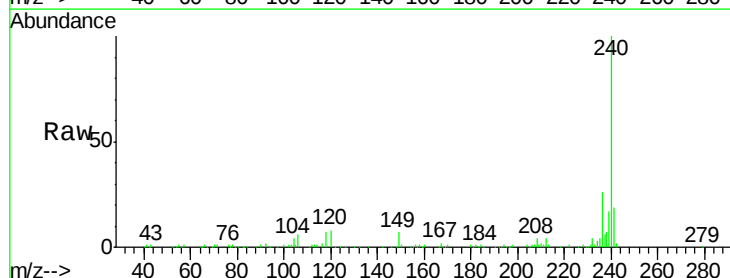
Tgt Ion:240 Resp: 243863

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

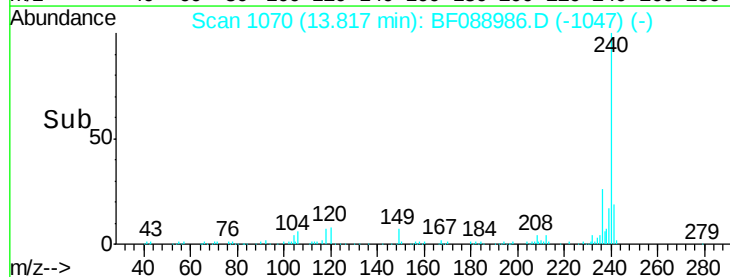
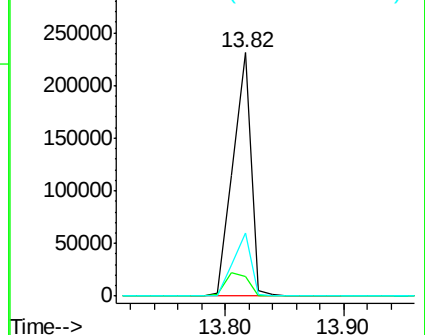
236 26.2 20.2 30.2

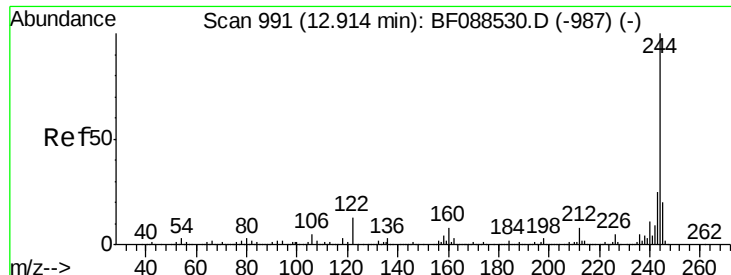


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

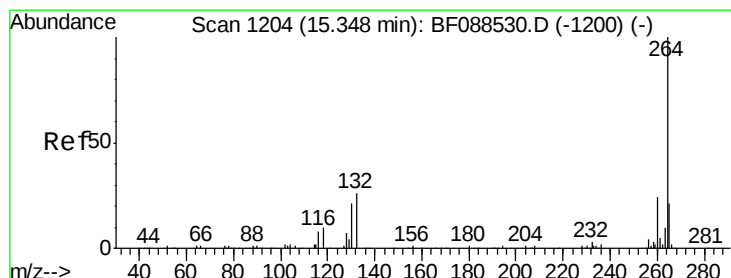
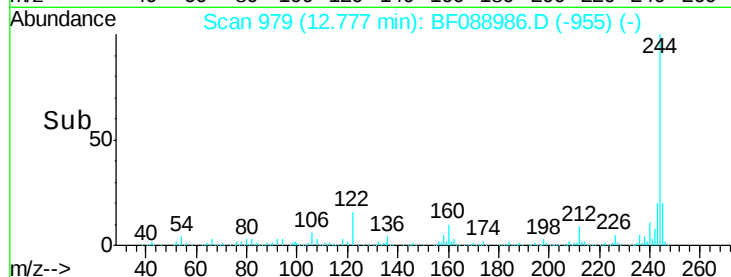
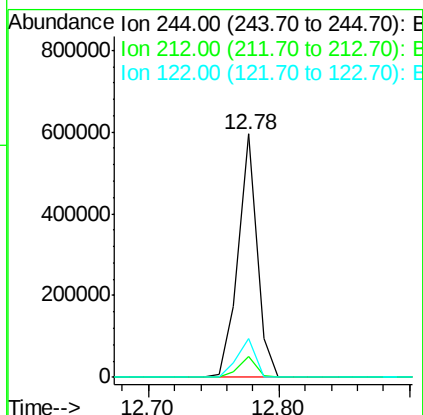
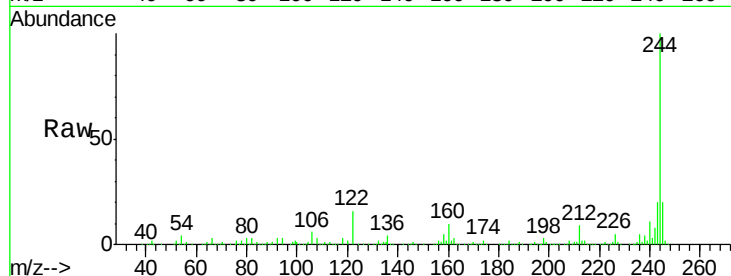




#78
 Terphenyl-d14
 Concen: 54.73 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

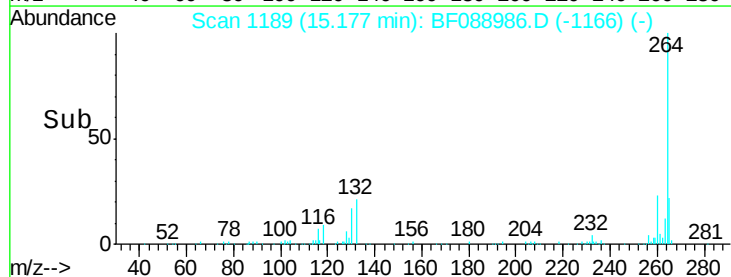
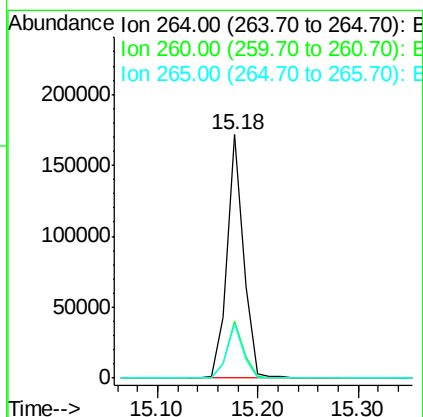
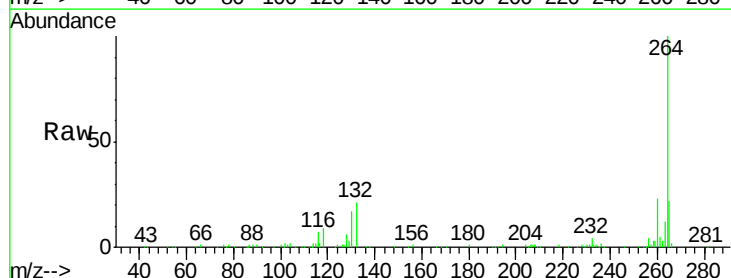
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

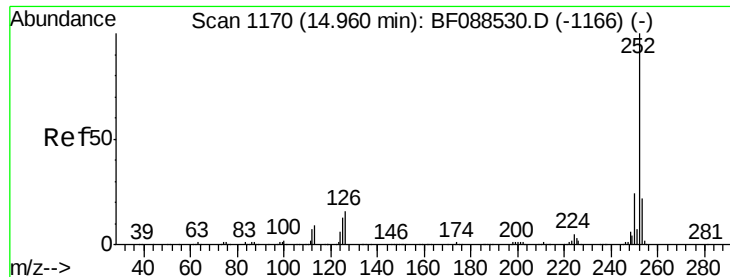
Tgt Ion: 244 Resp: 599262
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.0 9.0
 122 15.8 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF088986.D
 Acq: 14 Jul 2016 14:51

Tgt Ion: 264 Resp: 196620
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 22.0 16.9 25.3

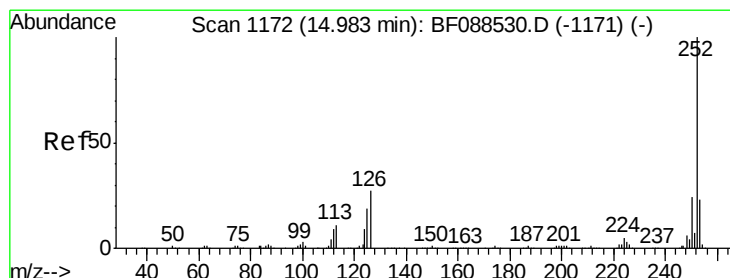
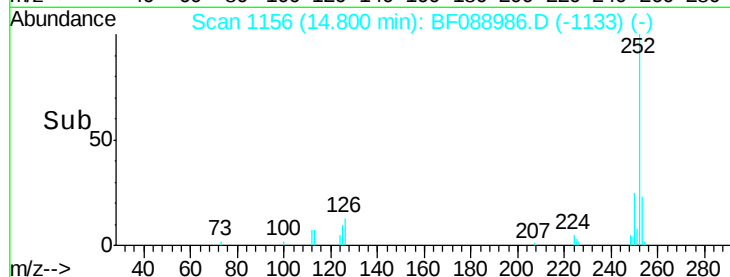
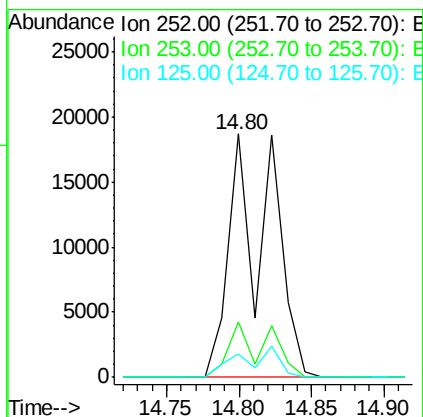
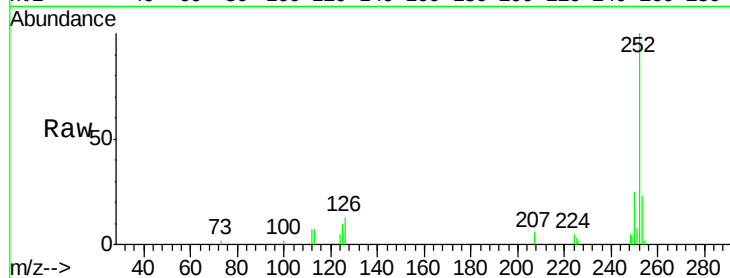




#87
Benzo(b)fluoranthene
Concen: 2.92 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF088986.D
Acq: 14 Jul 2016 14:51

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 252 Resp: 36031
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 9.6 7.1 10.7



#88
Benzo(k)fluoranthene
Concen: 3.36 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.07 min
Lab File: BF088986.D
Acq: 14 Jul 2016 14:51

Tgt Ion: 252 Resp: 36031
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 9.6 11.2 16.8#

