

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084194.D
 Acq On : 31 Dec 2015 14:56
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jan 01 22:51:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

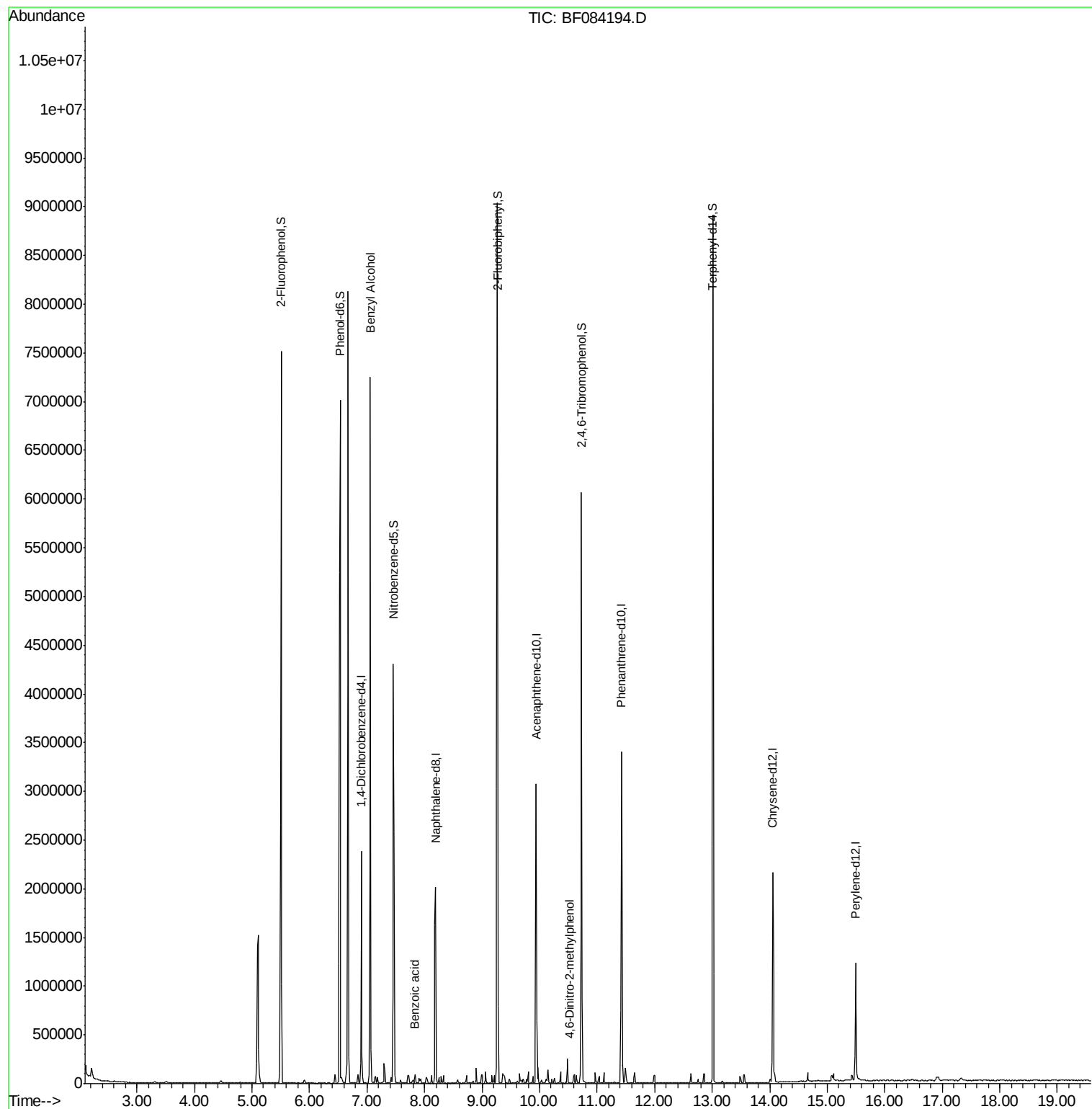
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	301679	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1252736	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	584968	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1139262	20.00	ng	0.00
75) Chrysene-d12	14.05	240	813872	20.00	ng	-0.01
86) Perylene-d12	15.49	264	601518	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2034555	109.08	ng	0.01
7) Phenol-d6	6.53	99	3020026	128.93	ng	0.00
23) Nitrobenzene-d5	7.46	82	1751732	77.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	653902	110.72	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2704900	81.05	ng	0.00
78) Terphenyl-d14	13.01	244	2587671	70.97	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.06	79	49840	2.53	ng	# 48
32) Benzoic acid	7.84	122	17594	7.38	ng	# 18
54) Dibenzofuran	10.14	168	54748	Below	Cal	97
57) Fluorene	10.49	166	42873	Below	Cal	93
60) 4-Chlorophenyl-phenylether	10.49	204	16972	Below	Cal	# 82
64) 4,6-Dinitro-2-methylphenol	10.52	198	712	6.50	ng	# 57
73) Di-n-butylphthalate	12.00	149	58235	Below	Cal	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

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ClientSampleId :

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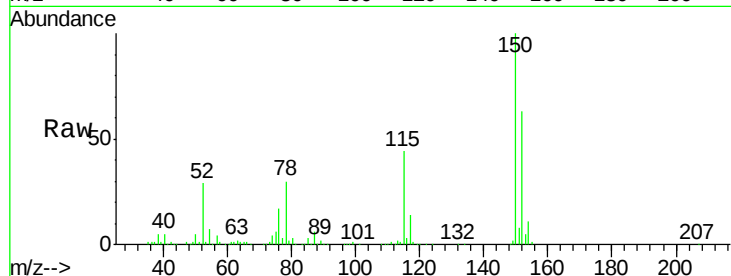
Tgt Ion:152 Resp: 301679

Ion Ratio Lower Upper

152 100

150 157.9 123.0 184.4

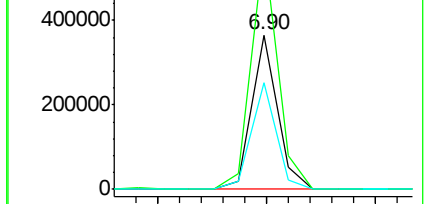
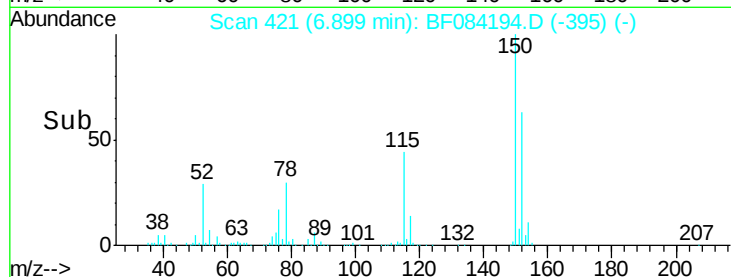
115 69.0 51.4 77.2



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: 109.08 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

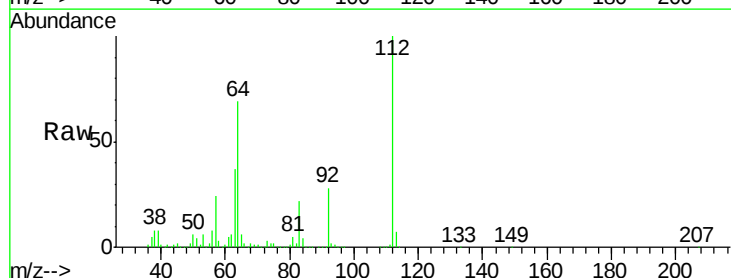
Tgt Ion:112 Resp: 2034555

Ion Ratio Lower Upper

112 100

64 69.2 36.6 55.0#

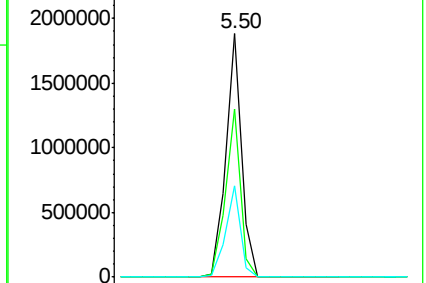
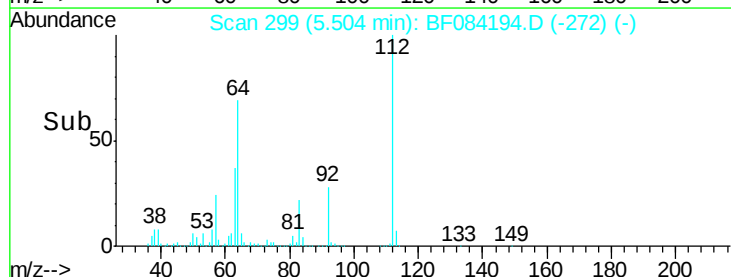
63 37.3 19.4 29.0#

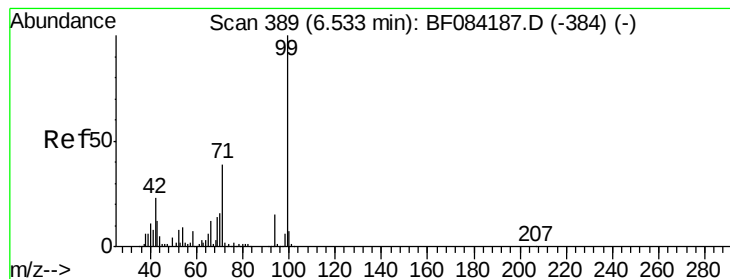


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.93 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

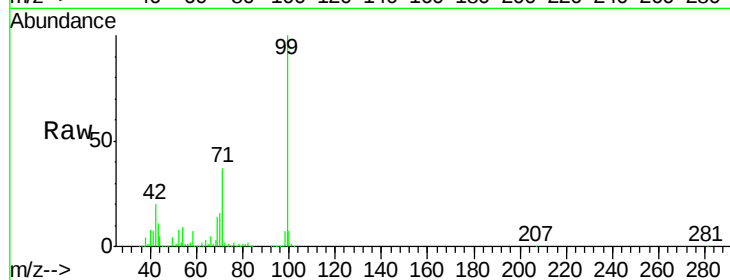
Tgt Ion: 99 Resp: 3020026

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

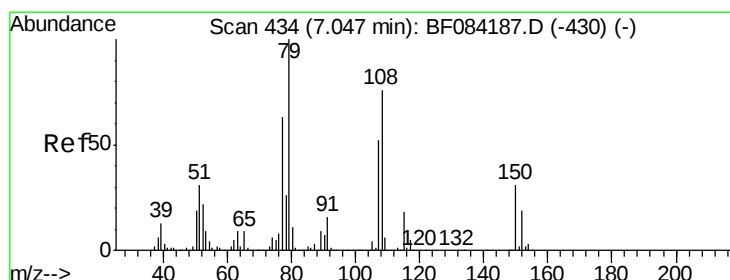
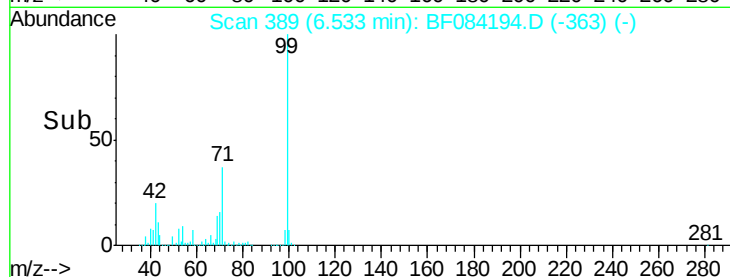
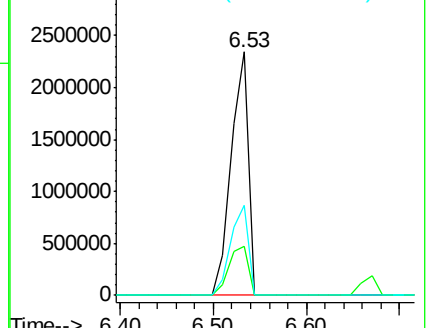
71 37.2 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.53 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

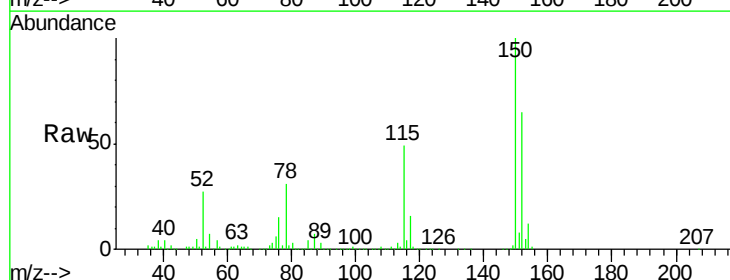
Tgt Ion: 79 Resp: 49840

Ion Ratio Lower Upper

79 100

108 34.4 69.0 103.4#

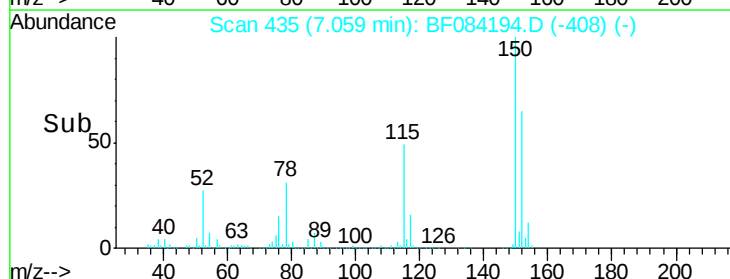
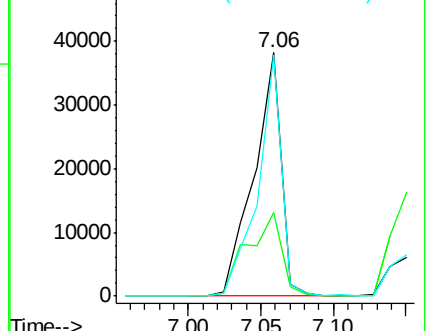
77 98.9 50.0 75.0#

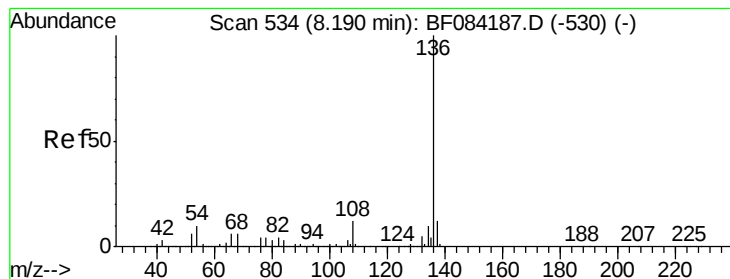


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:136 Resp: 1252736

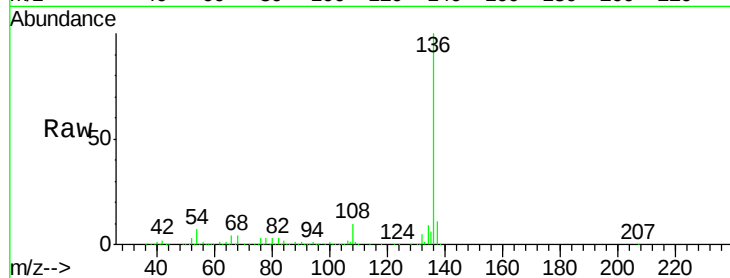
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.6 5.8 8.8

68 3.8 4.2 6.2#

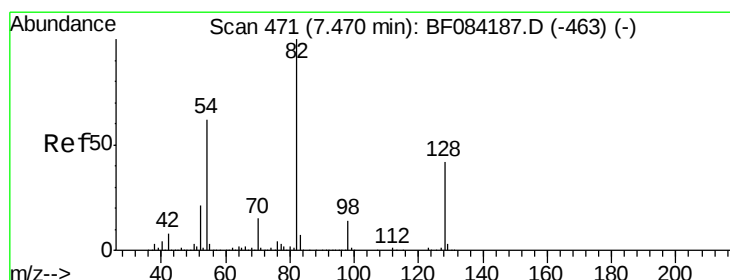
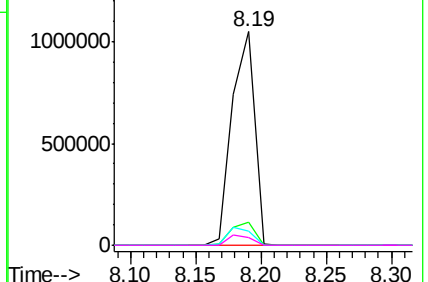
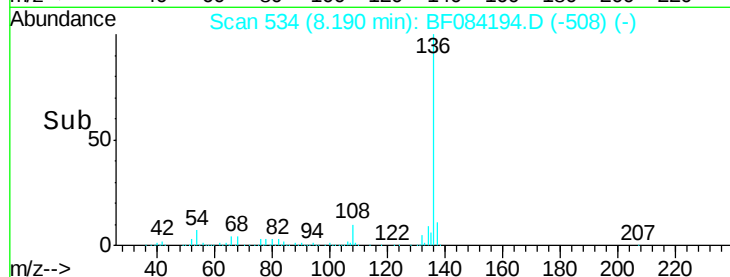


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.82 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

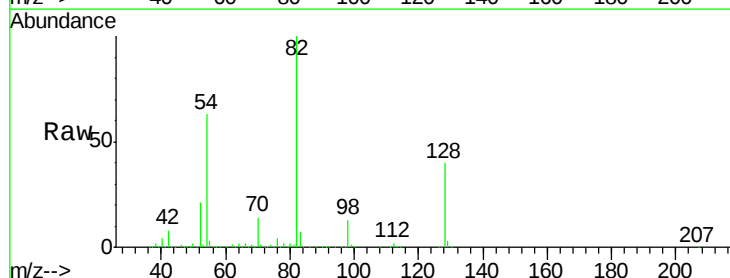
Tgt Ion: 82 Resp: 1751732

Ion Ratio Lower Upper

82 100

128 39.7 34.6 51.8

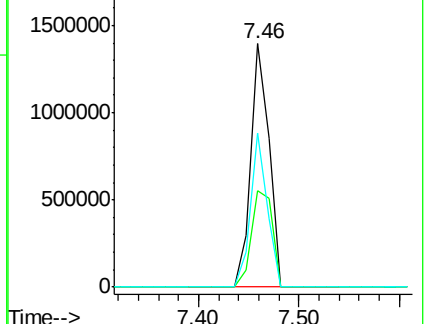
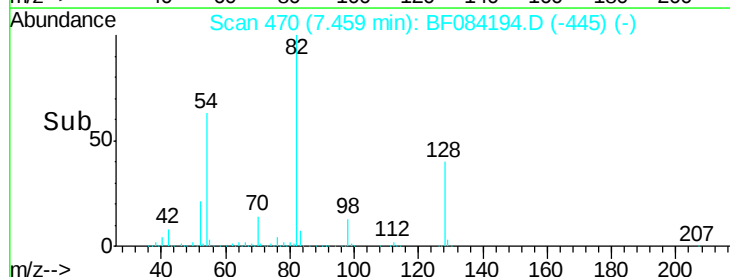
54 63.0 38.4 57.6#

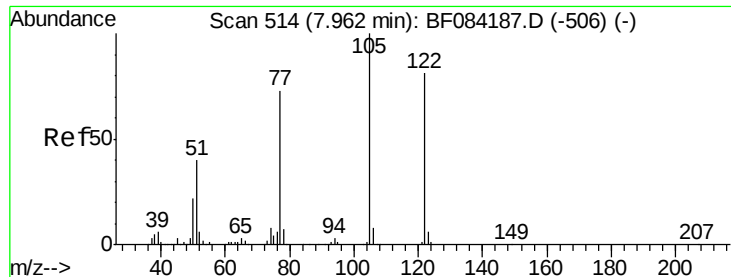


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

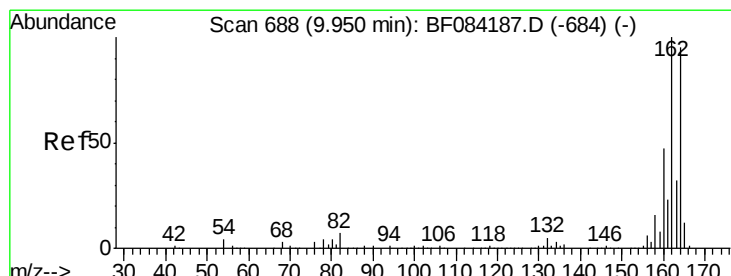
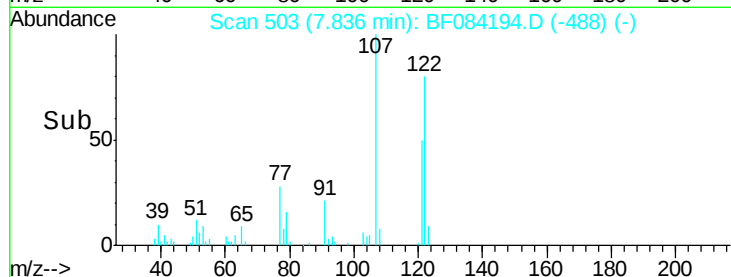
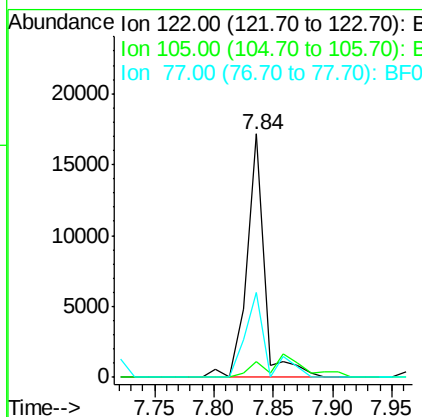
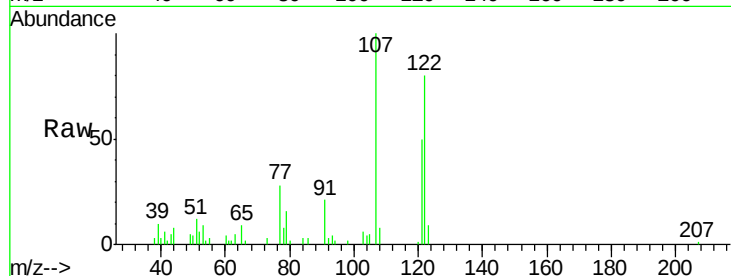




#32
Benzoic acid
Concen: 7.38 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.13 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

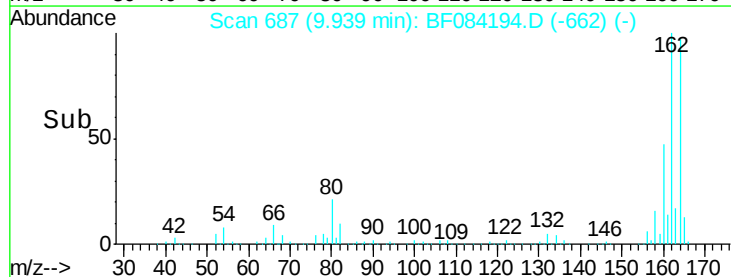
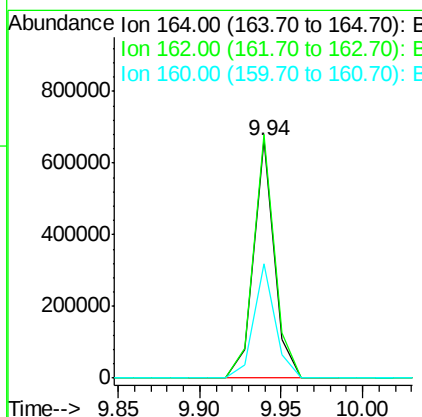
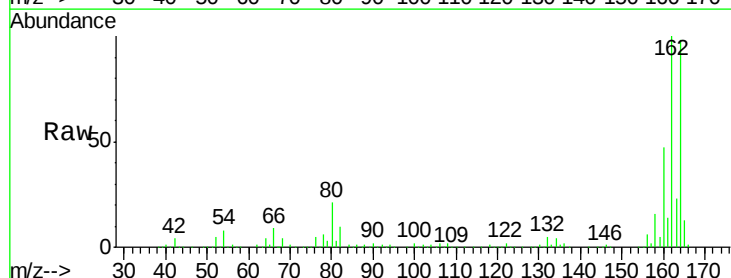
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

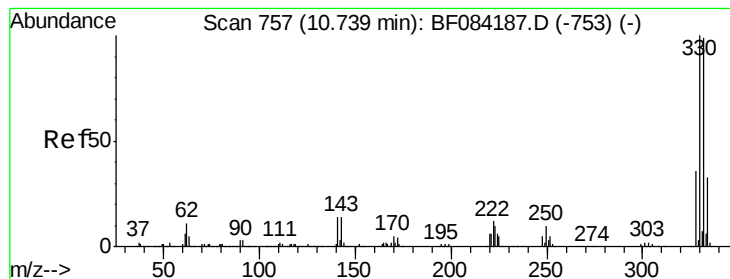
Tgt Ion:122 Resp: 17594
Ion Ratio Lower Upper
122 100
105 6.4 100.3 140.3#
77 34.9 63.5 103.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion:164 Resp: 584968
Ion Ratio Lower Upper
164 100
162 102.2 85.1 127.7
160 48.0 37.5 56.3

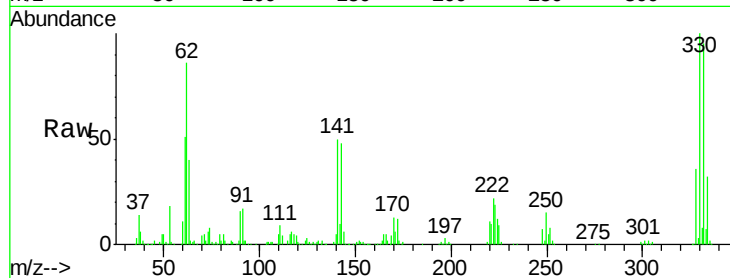




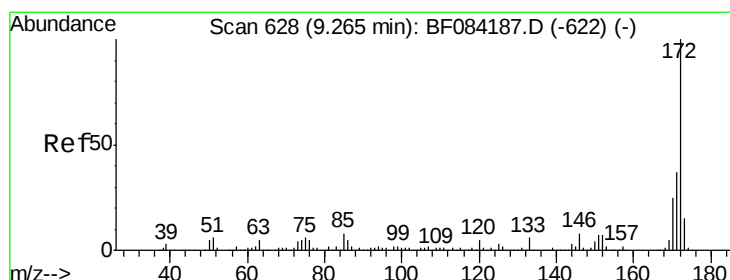
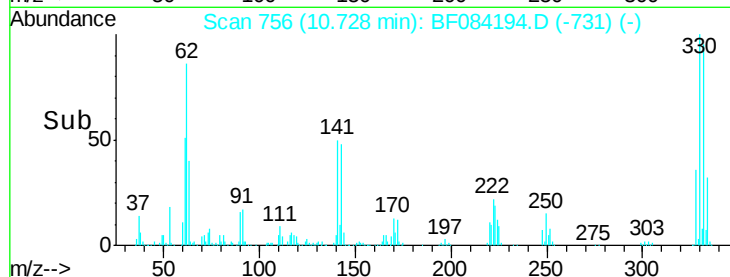
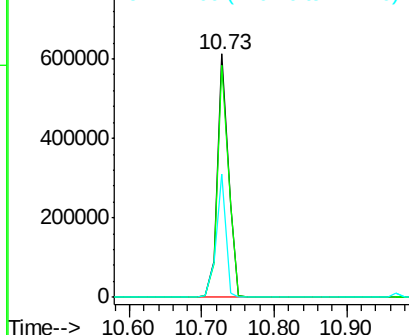
#41
 2,4,6-Tribromophenol
 Concen: 110.72 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:330 Resp: 653902
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 43.8 27.8 41.6#

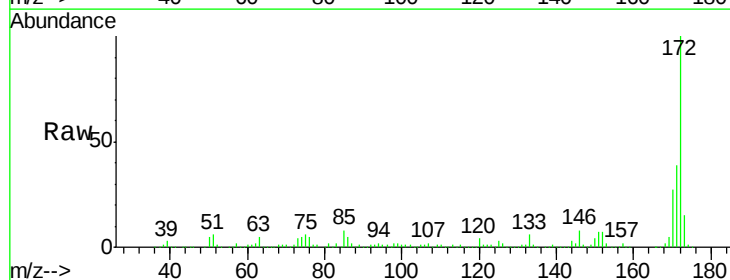


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

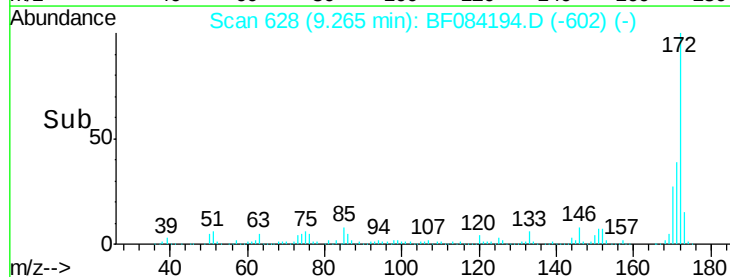
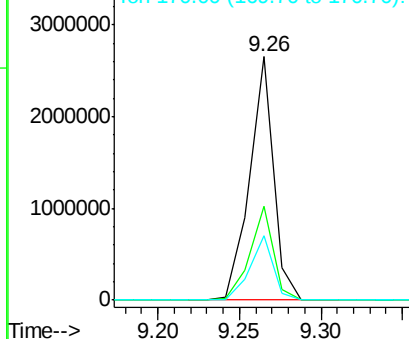


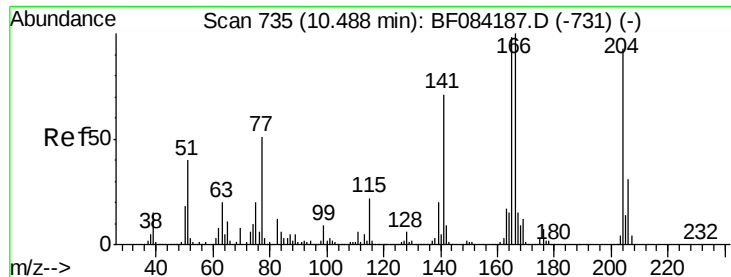
#44
 2-Fluorobiphenyl
 Concen: 81.05 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Tgt Ion:172 Resp: 2704900
 Ion Ratio Lower Upper
 172 100
 171 38.8 28.9 43.3
 170 26.6 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





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

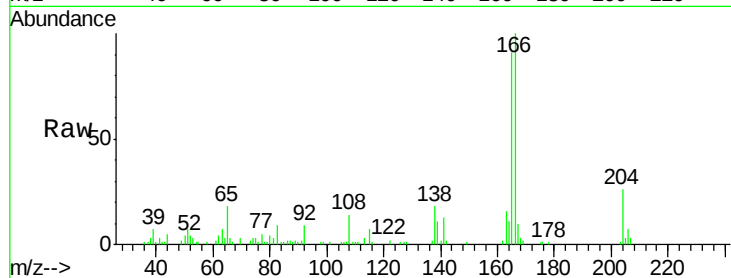
Tgt Ion:204 Resp: 16972

Ion Ratio Lower Upper

204 100

206 27.9 25.7 38.5

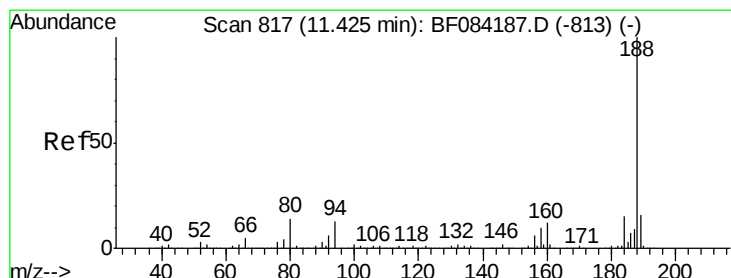
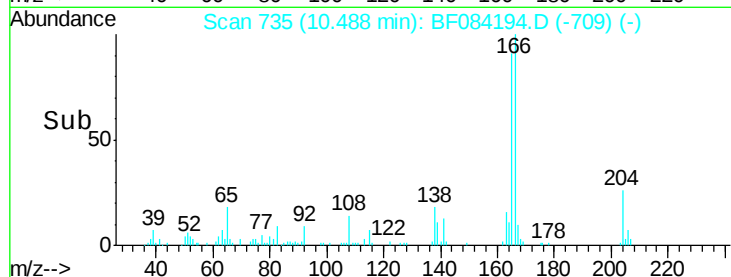
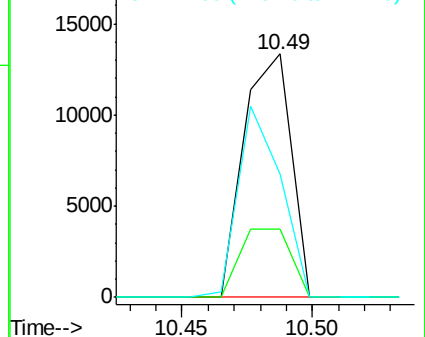
141 50.8 55.1 82.7#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

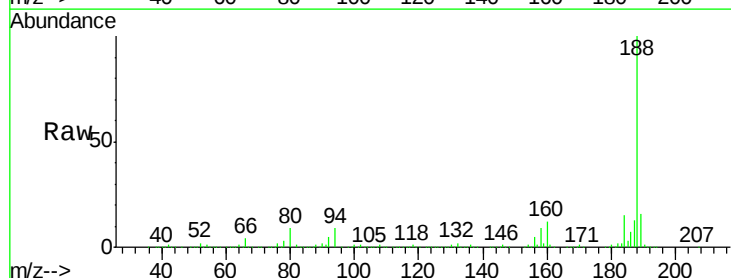
Tgt Ion:188 Resp: 1139262

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

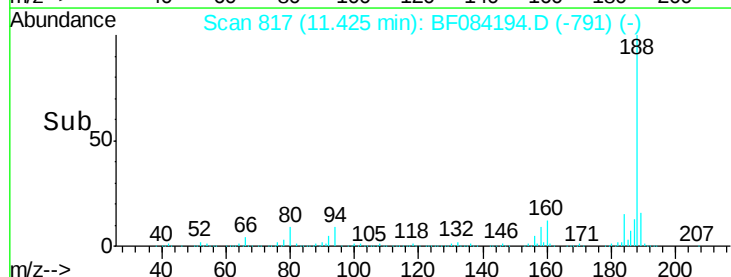
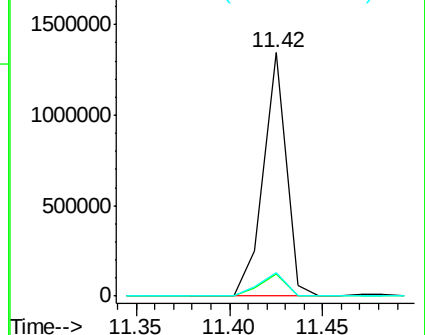
80 9.5 9.6 14.4#

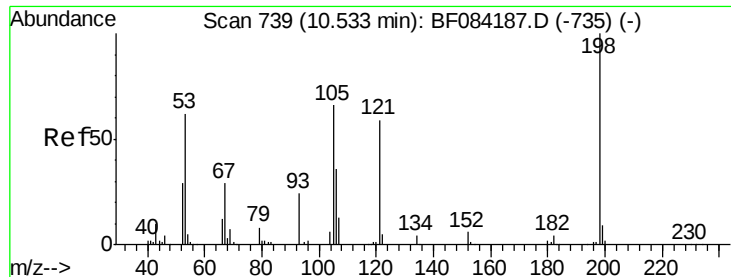


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.50 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

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LOD-SOIL2016-01

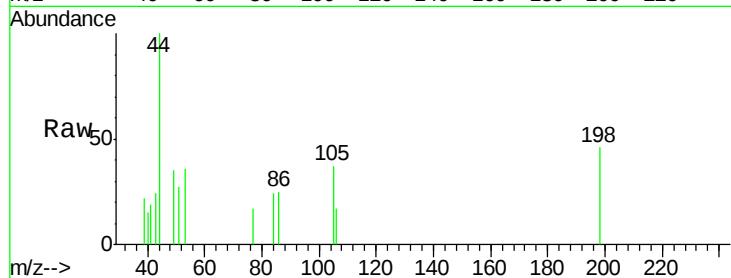
Tgt Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

51 58.3 18.9 58.9

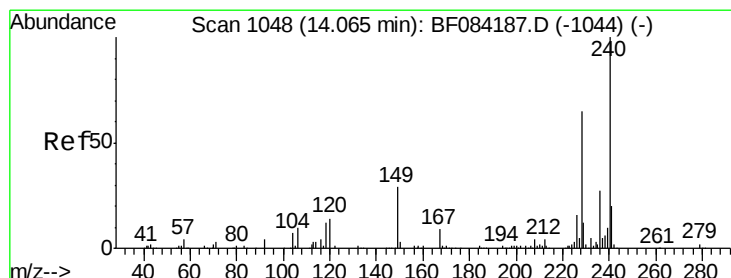
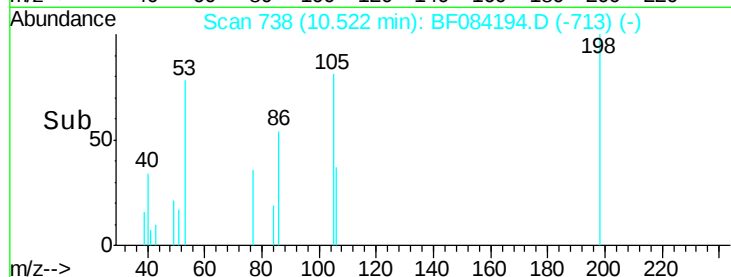
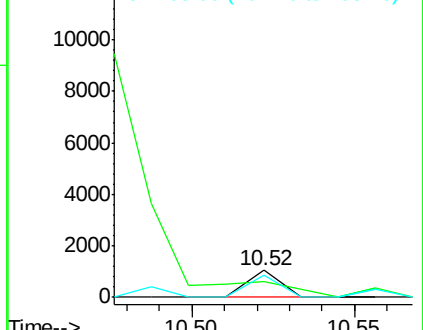
105 81.2 26.4 66.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

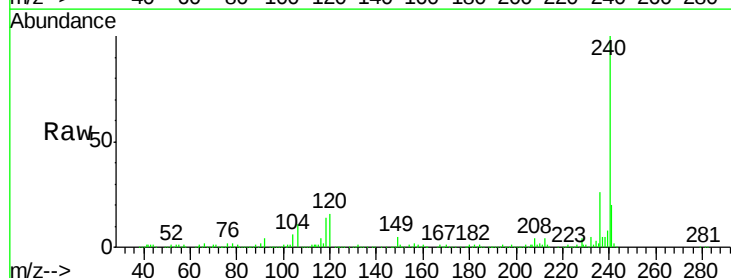
Tgt Ion:240 Resp: 813872

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

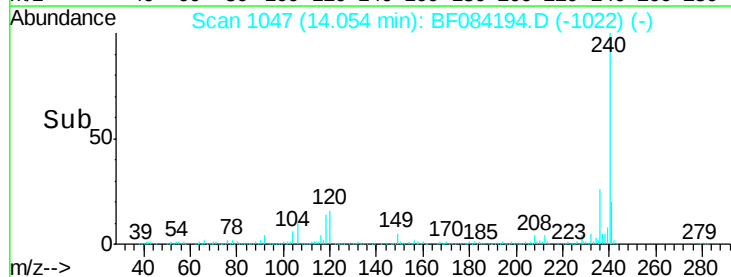
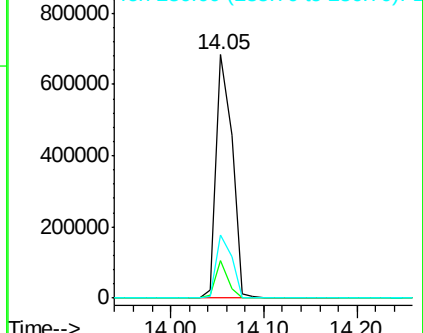
236 25.9 20.6 31.0

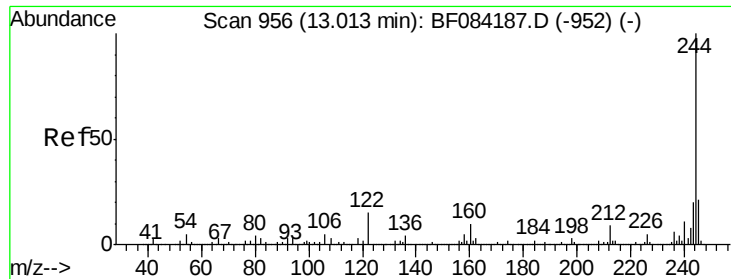


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

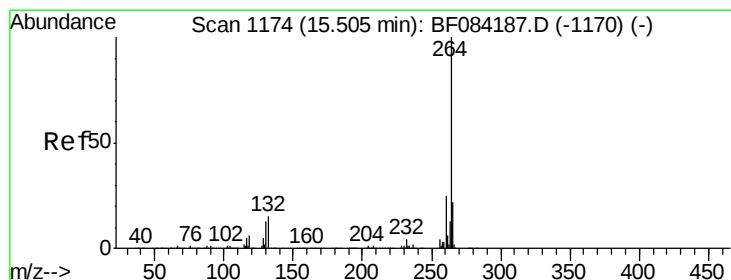
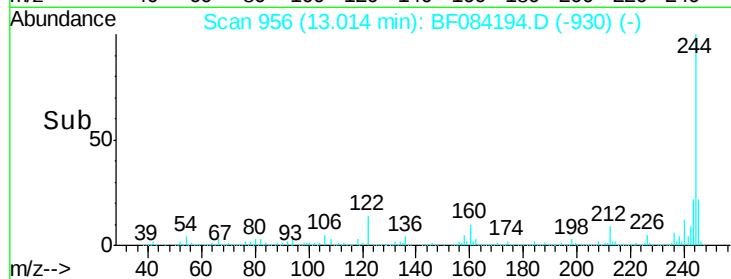
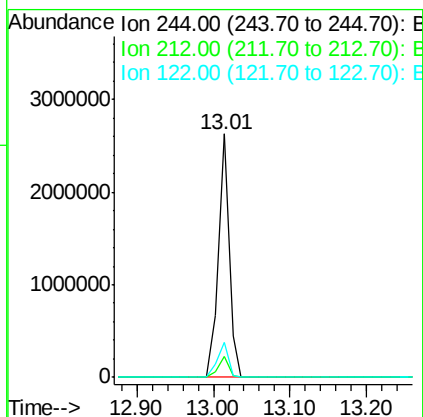
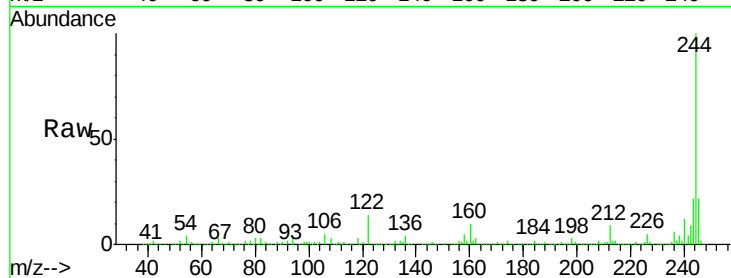




#78
 Terphenyl-d14
 Concen: 70.97 ng
 RT: 13.01 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:244 Resp: 2587671
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.7 8.5#
 122 14.4 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Tgt Ion:264 Resp: 601518
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 21.9 17.8 26.6

