

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084195.D
 Acq On : 31 Dec 2015 15:24
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jan 01 22:52:01 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

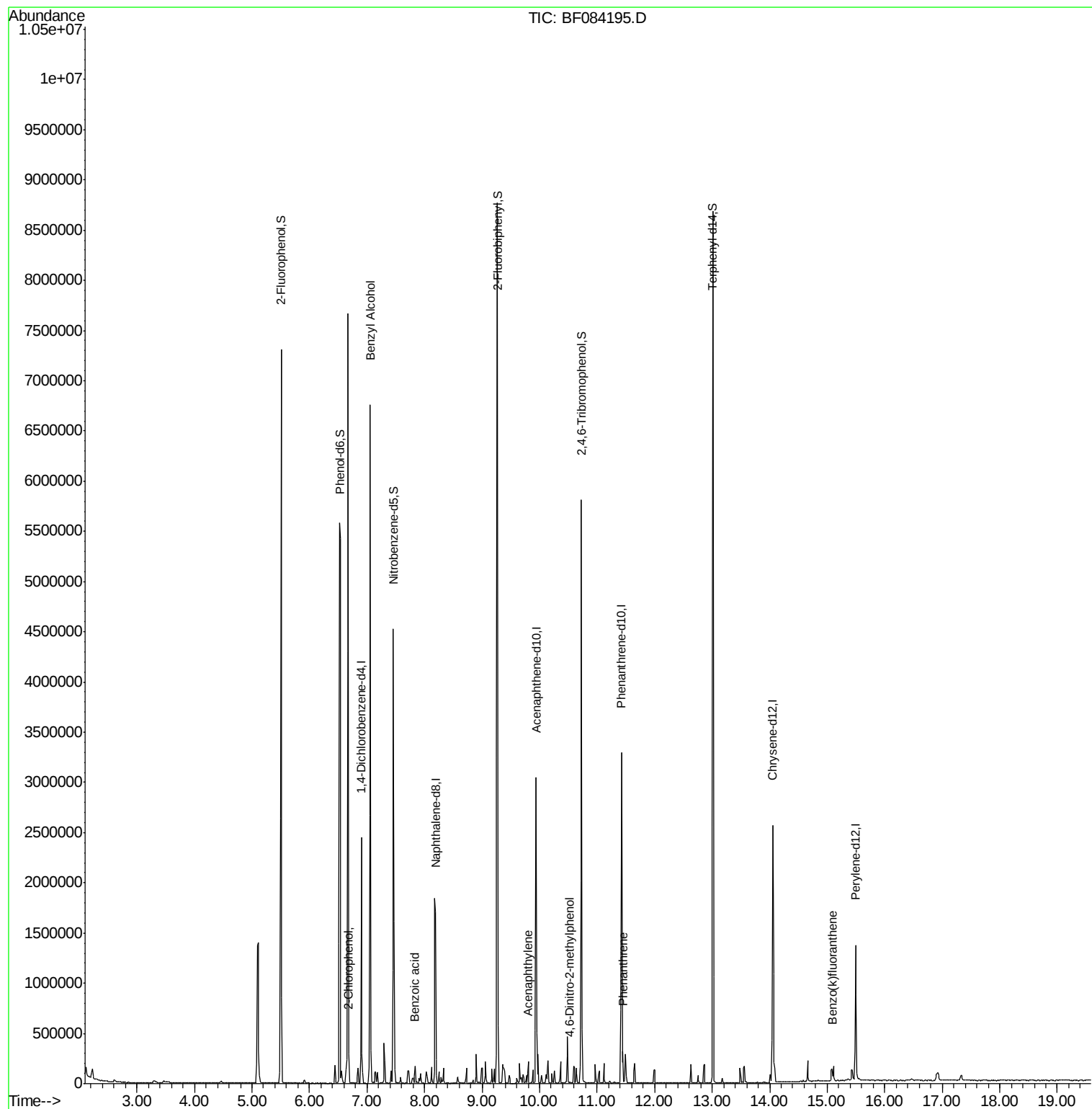
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	312394	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1228470	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	575022	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	1098762	20.00	ng	0.00
75) Chrysene-d12	14.05	240	874481	20.00	ng	-0.01
86) Perylene-d12	15.49	264	653377	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1956430	101.30	ng	0.01
7) Phenol-d6	6.53	99	2871319	118.37	ng	0.00
23) Nitrobenzene-d5	7.46	82	1616842	73.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	629638	108.46	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2704805	82.57	ng	0.00
78) Terphenyl-d14	13.01	244	2557339	65.28	ng	0.00
Target Compounds						
8) 2-Chlorophenol	6.68	128	44443	2.03	ng	Qvalue 97
15) Benzyl Alcohol	7.06	79	62079	3.04	ng	# 48
32) Benzoic acid	7.84	122	36737	8.66	ng	# 15
48) Acenaphthylene	9.80	152	107959	2.04	ng	97
54) Dibenzofuran	10.14	168	92984	Below	Cal	98
57) Fluorene	10.49	166	75604	Below	Cal	98
60) 4-Chlorophenyl-phenylether	10.49	204	33293	Below	Cal	# 86
64) 4,6-Dinitro-2-methylphenol	10.52	198	1890	6.63	ng	# 73
70) Phenanthrene	11.45	178	117308	2.04	ng	99
73) Di-n-butylphthalate	12.00	149	106707	Below	Cal	99
88) Benzo(k)fluoranthene	15.08	252	71936	2.06	ng	# 94

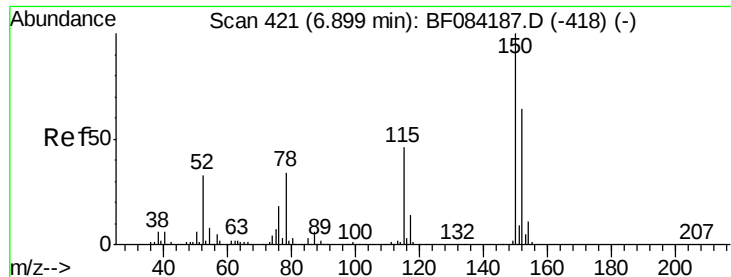
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084195.D

Acq: 31 Dec 2015 15:24

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

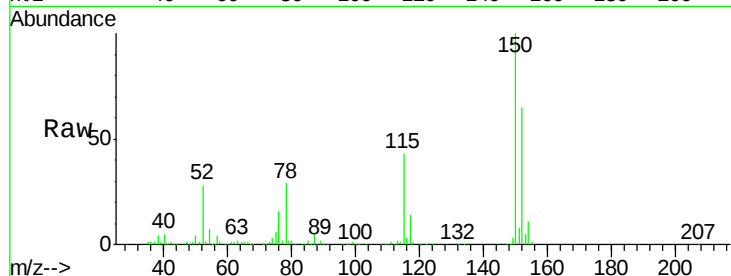
Tgt Ion:152 Resp: 312394

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

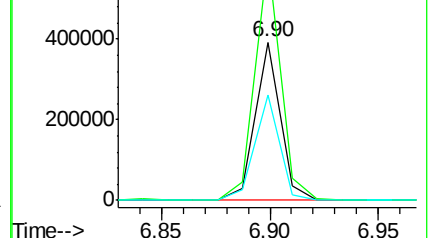
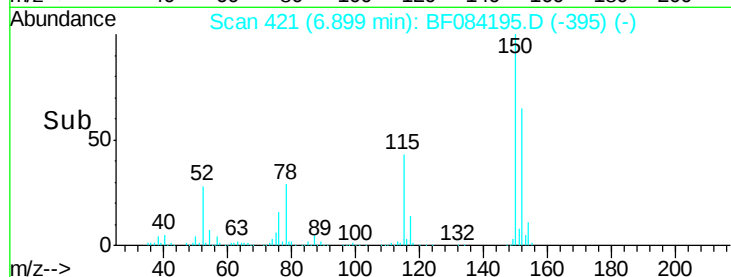
115 66.7 51.4 77.2



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: 101.30 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

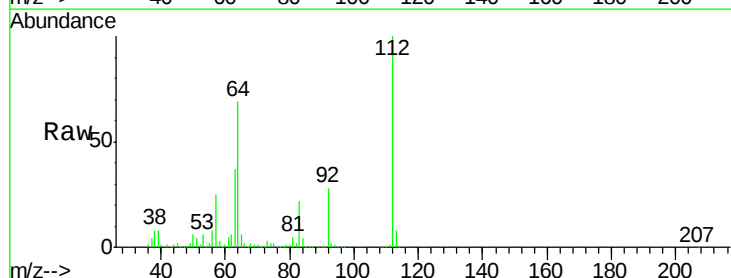
Tgt Ion:112 Resp: 1956430

Ion Ratio Lower Upper

112 100

64 69.1 36.6 55.0#

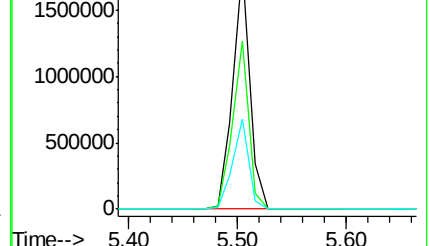
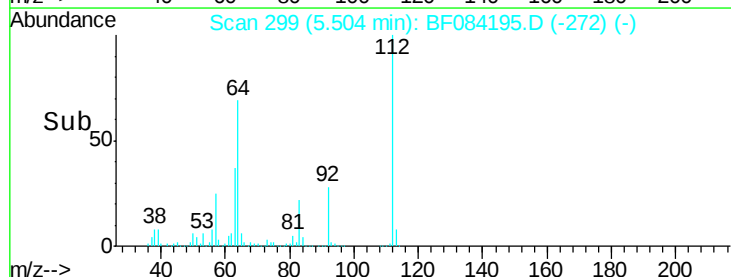
63 37.1 19.4 29.0#

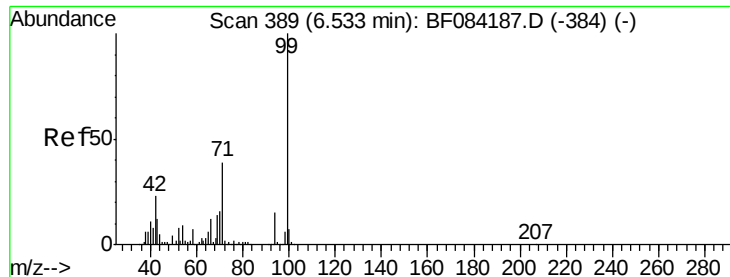


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.37 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

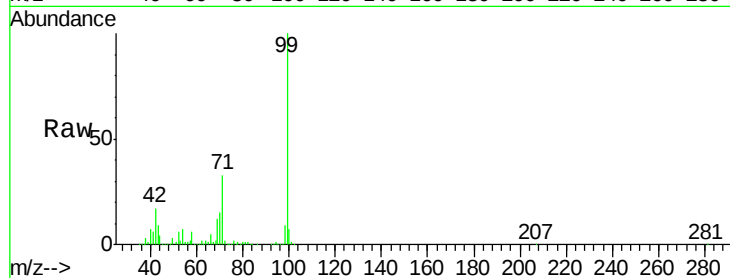
Tgt Ion: 99 Resp: 2871319

Ion Ratio Lower Upper

99 100

42 17.0 12.8 19.2

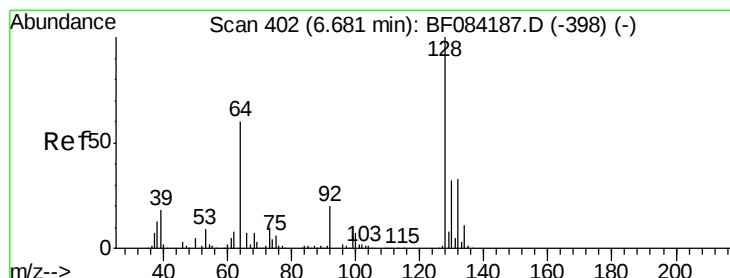
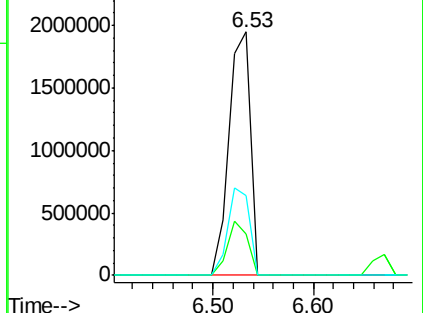
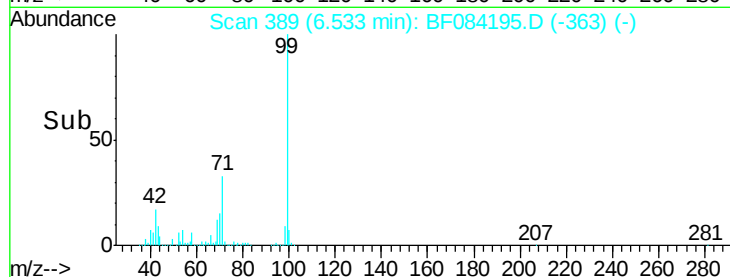
71 33.0 30.9 46.3



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



#8

2-Chlorophenol

Concen: 2.03 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

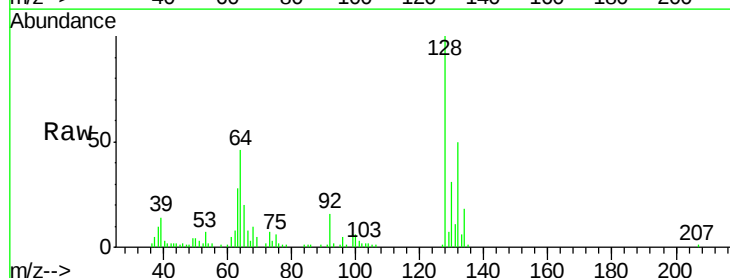
Tgt Ion:128 Resp: 44443

Ion Ratio Lower Upper

128 100

130 30.6 11.6 51.6

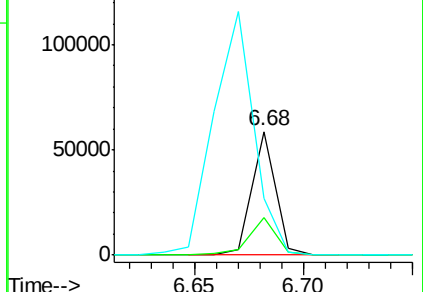
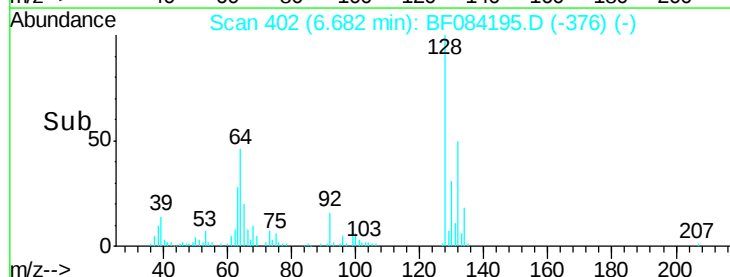
64 46.1 23.8 63.8

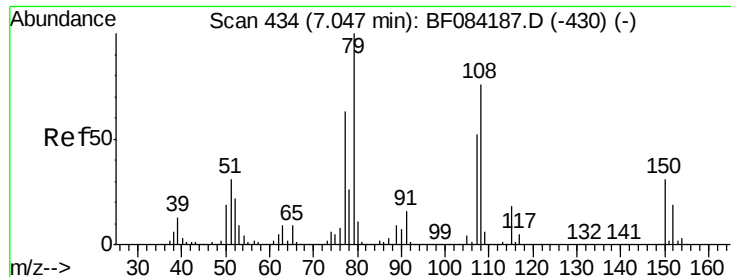


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#15

Benzyl Alcohol

Concen: 3.04 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.01 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

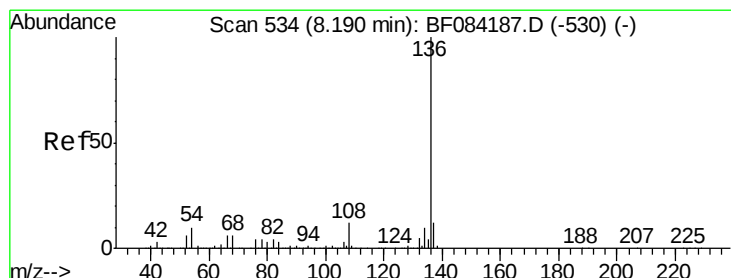
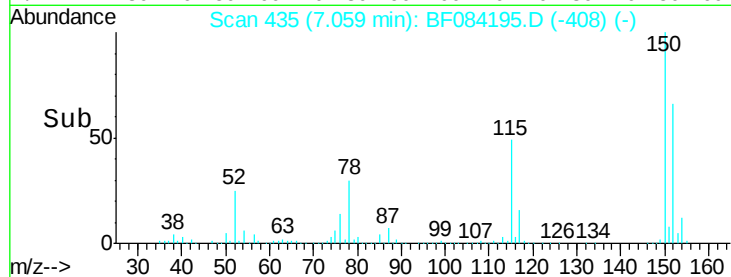
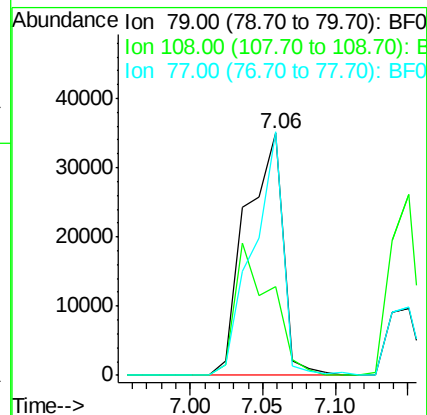
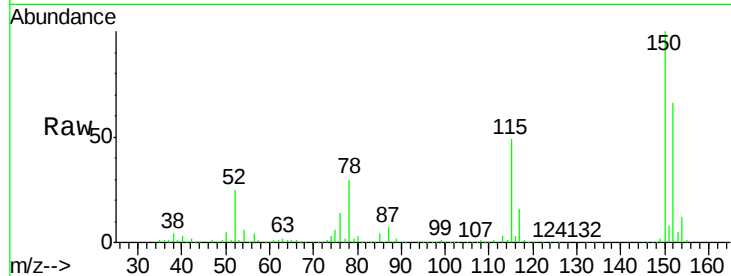
Tgt Ion: 79 Resp: 62079

Ion Ratio Lower Upper

79 100

108 36.5 69.0 103.4#

77 100.5 50.0 75.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

Tgt Ion: 136 Resp: 1228470

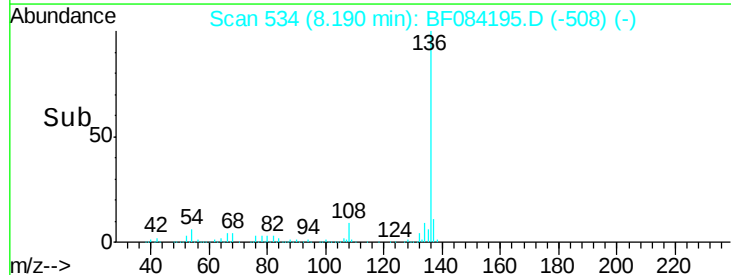
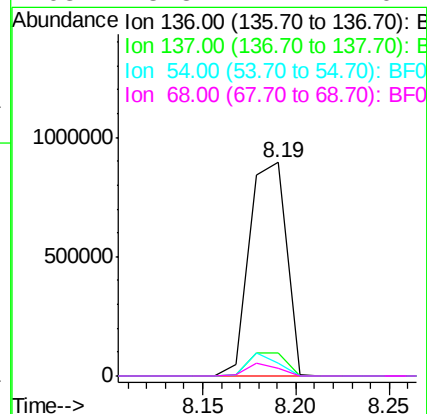
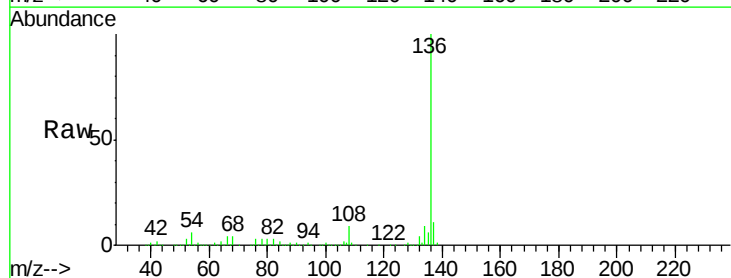
Ion Ratio Lower Upper

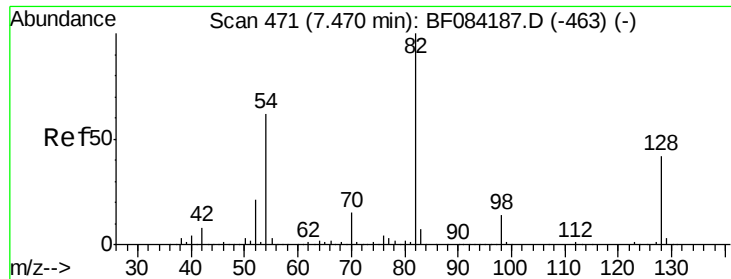
136 100

137 10.5 8.7 13.1

54 6.1 5.8 8.8

68 3.8 4.2 6.2#

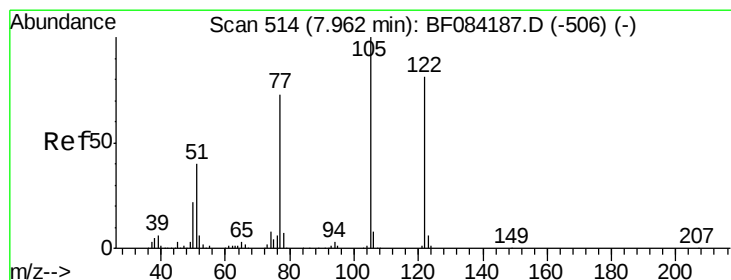
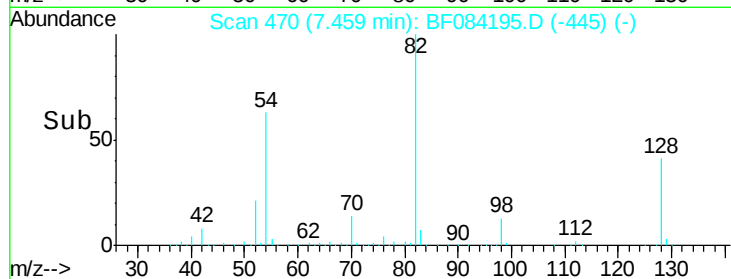
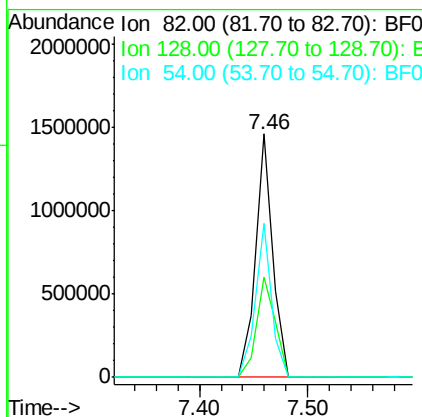
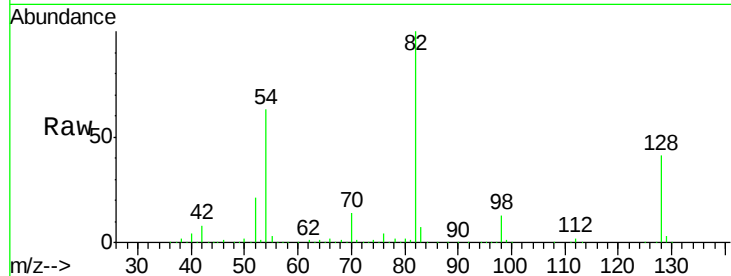




#23
Nitrobenzene-d5
Concen: 73.25 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF084195.D
Acq: 31 Dec 2015 15:24

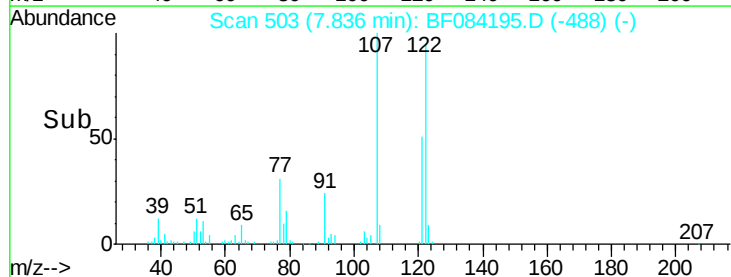
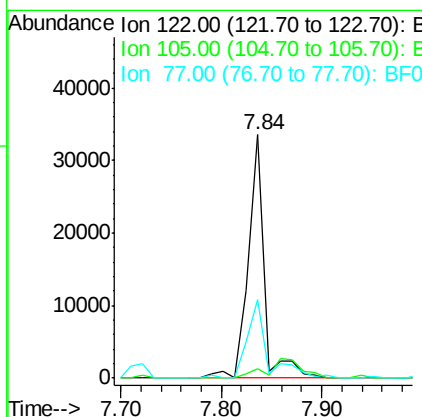
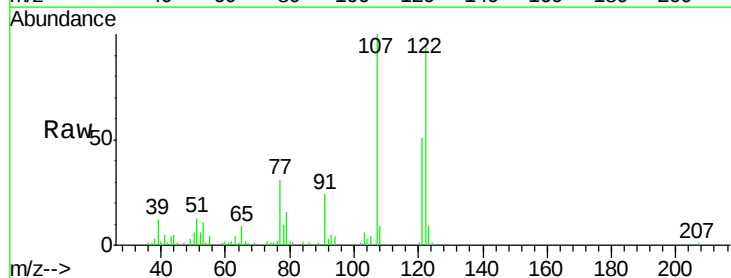
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

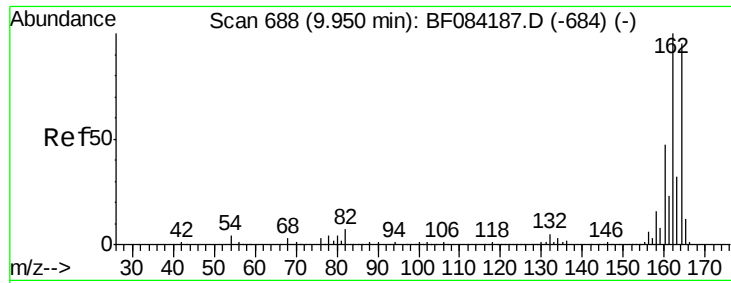
Tgt Ion: 82 Resp: 1616842
Ion Ratio Lower Upper
82 100
128 41.2 34.6 51.8
54 63.1 38.4 57.6#



#32
Benzoic acid
Concen: 8.66 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.12 min
Lab File: BF084195.D
Acq: 31 Dec 2015 15:24

Tgt Ion: 122 Resp: 36737
Ion Ratio Lower Upper
122 100
105 4.0 100.3 140.3#
77 32.5 63.5 103.5#

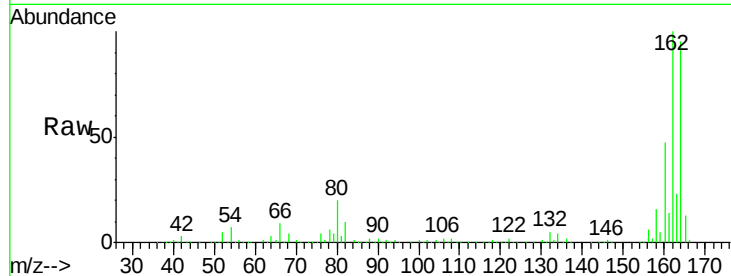




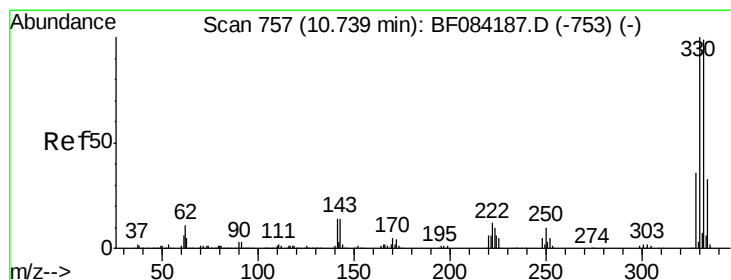
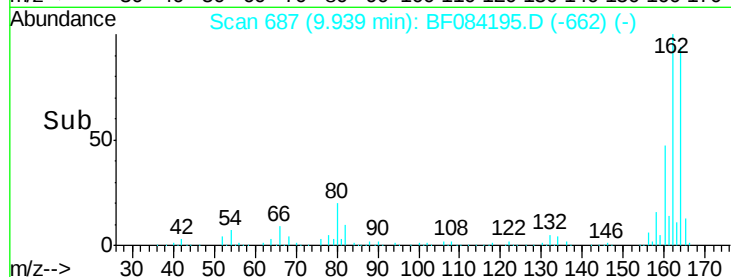
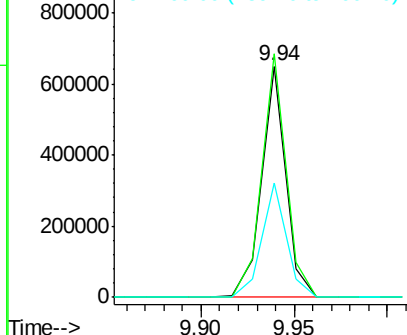
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:164 Resp: 575022
 Ion Ratio Lower Upper
 164 100
 162 105.5 85.1 127.7
 160 49.5 37.5 56.3

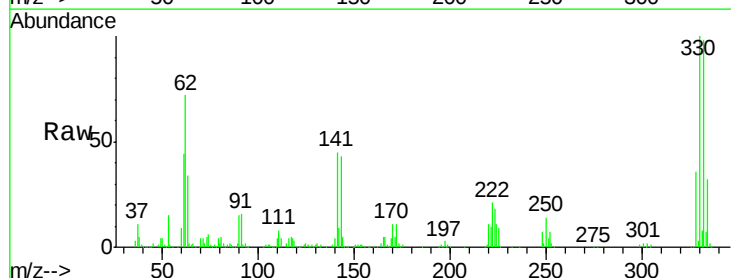


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

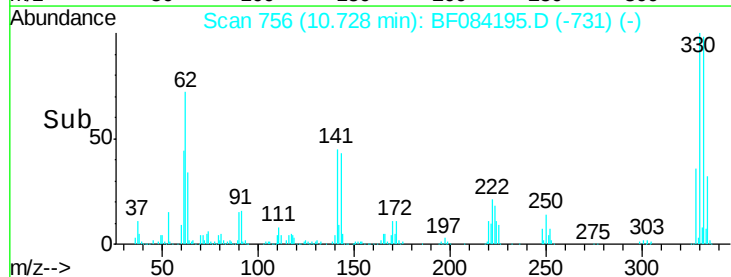
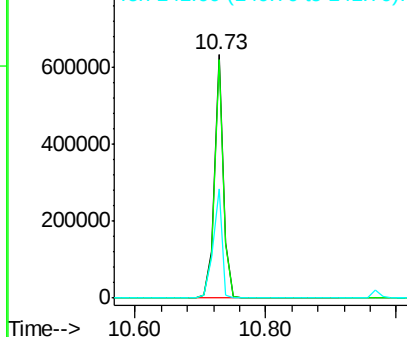


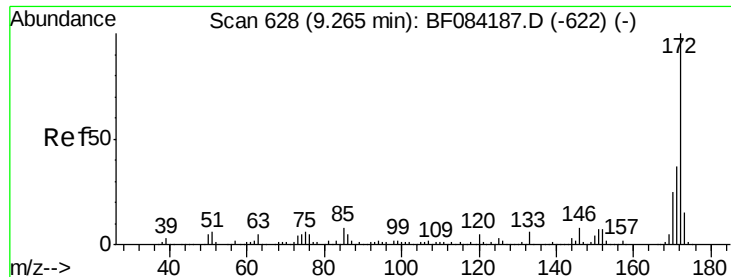
#41
 2,4,6-Tribromophenol
 Concen: 108.46 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

Tgt Ion:330 Resp: 629638
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 44.7 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

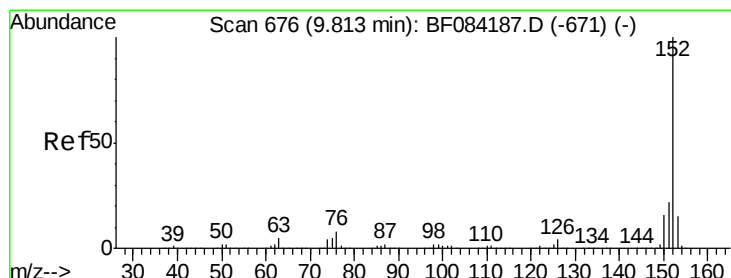
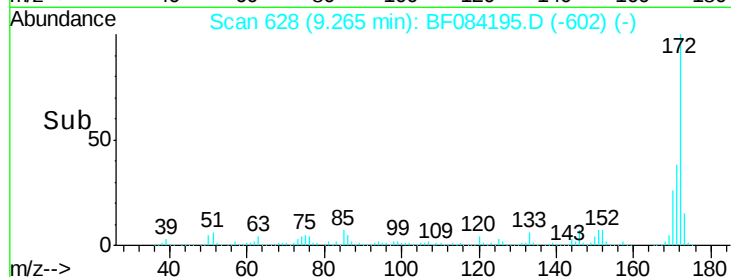
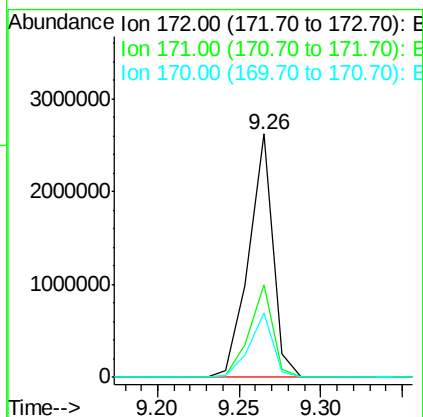
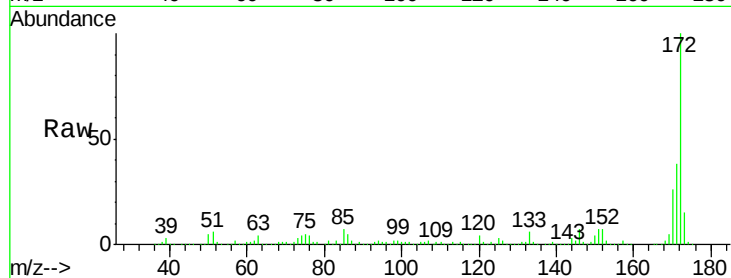




#44
 2-Fluorobiphenyl
 Concen: 82.57 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

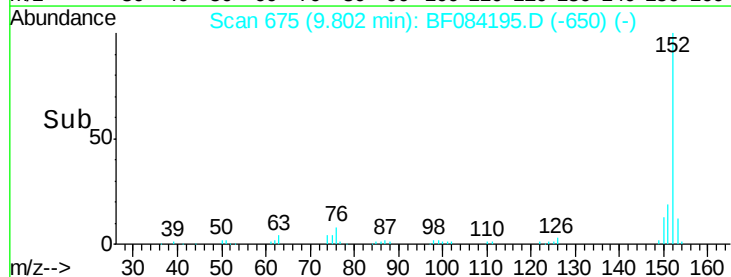
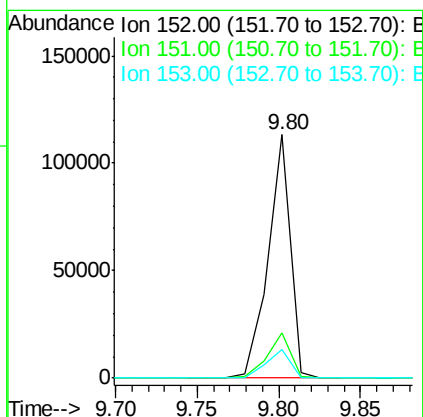
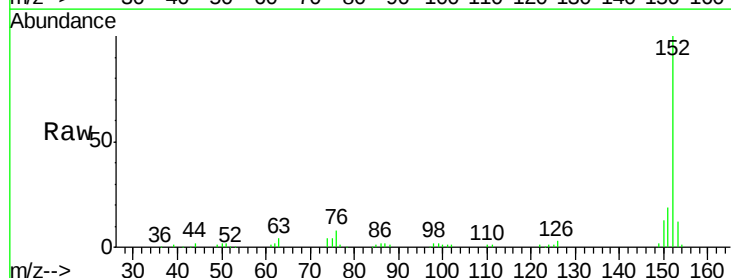
Instrument :
 BNA_F
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 LOD-SOIL2016-01

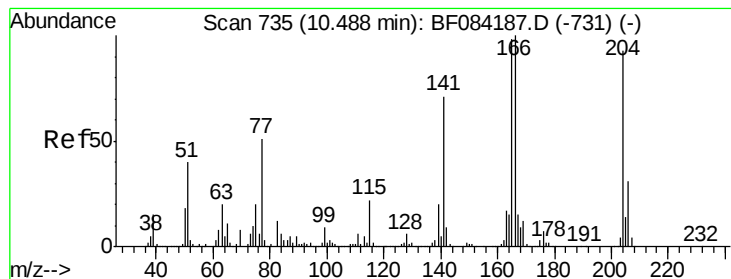
Tgt Ion:172 Resp: 2704805
 Ion Ratio Lower Upper
 172 100
 171 38.2 28.9 43.3
 170 26.5 18.6 27.8



#48
 Acenaphthylene
 Concen: 2.04 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

Tgt Ion:152 Resp: 107959
 Ion Ratio Lower Upper
 152 100
 151 18.7 16.3 24.5
 153 11.9 10.4 15.6





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

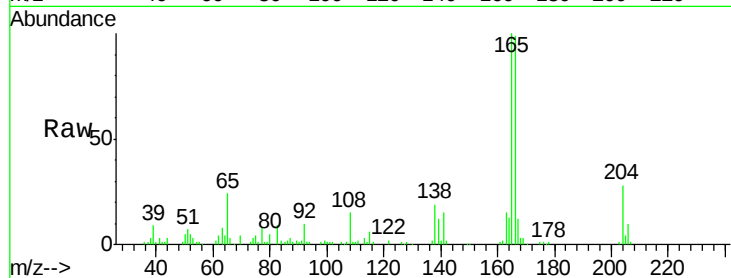
Tgt Ion:204 Resp: 33293

Ion Ratio Lower Upper

204 100

206 34.2 25.7 38.5

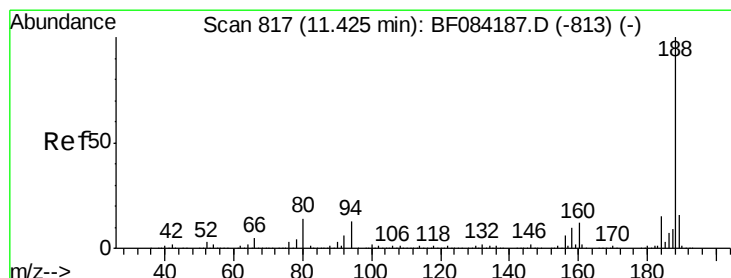
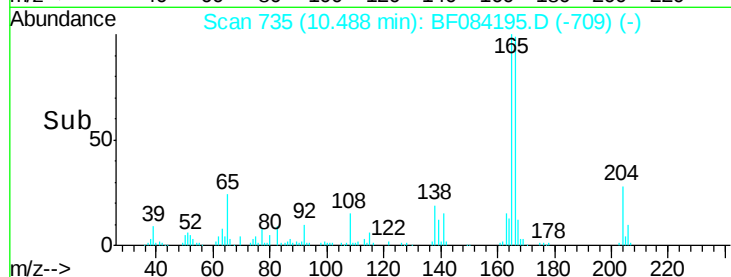
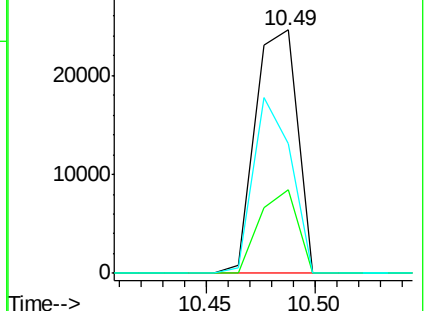
141 53.5 55.1 82.7#



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: 11.43 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

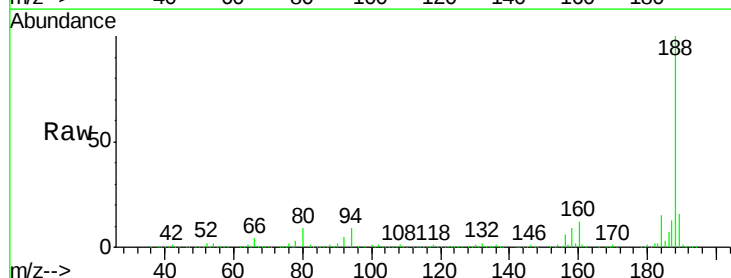
Tgt Ion:188 Resp: 1098762

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.4#

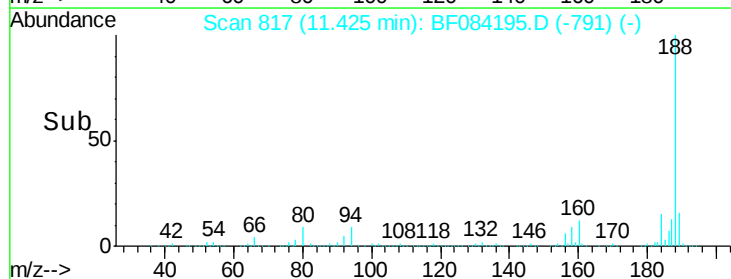
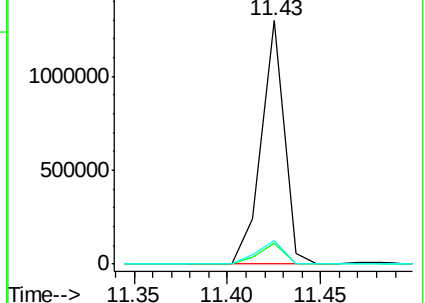
80 9.5 9.6 14.4#

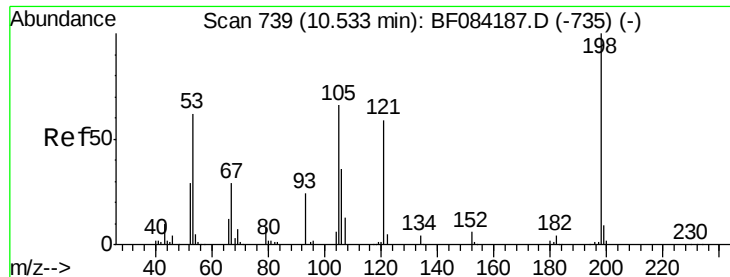


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

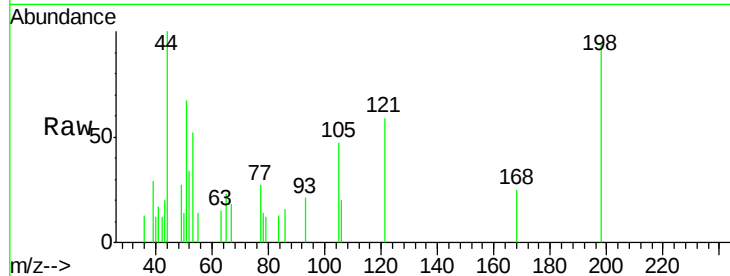




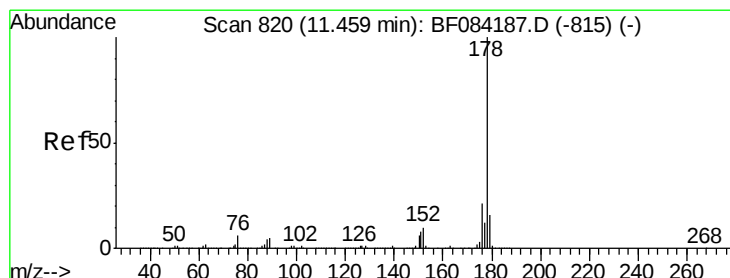
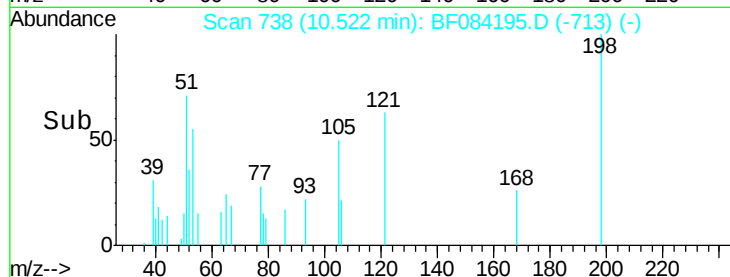
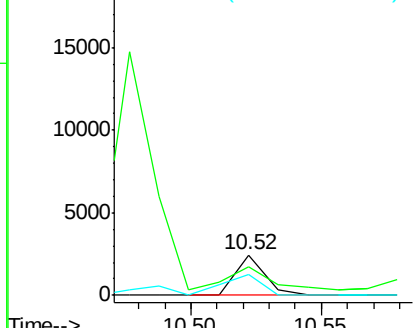
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.63 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:198 Resp: 1890
 Ion Ratio Lower Upper
 198 100
 51 70.7 18.9 58.9#
 105 50.4 26.4 66.4

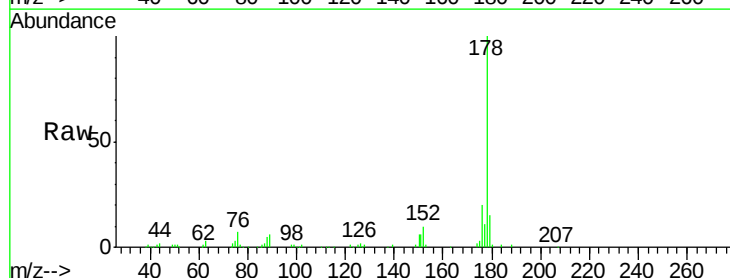


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

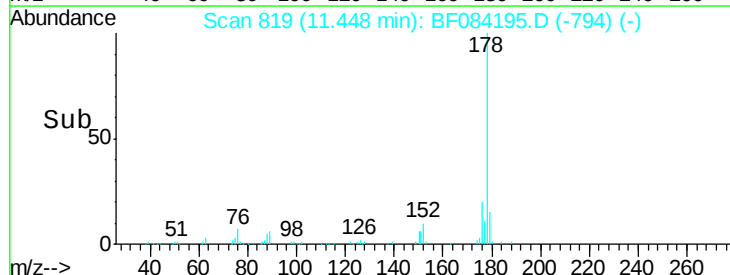
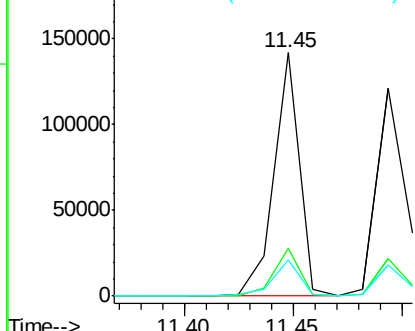


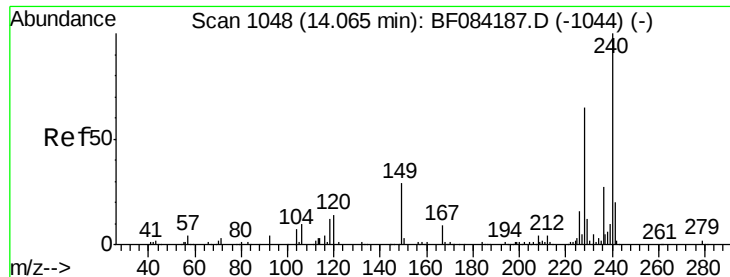
#70
 Phenanthrene
 Concen: 2.04 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

Tgt Ion:178 Resp: 117308
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.3 22.9
 179 14.6 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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

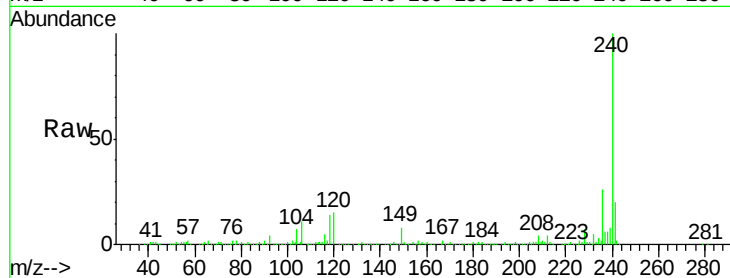
Tgt Ion:240 Resp: 874481

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

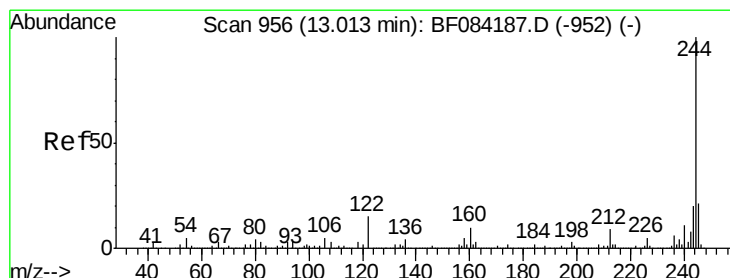
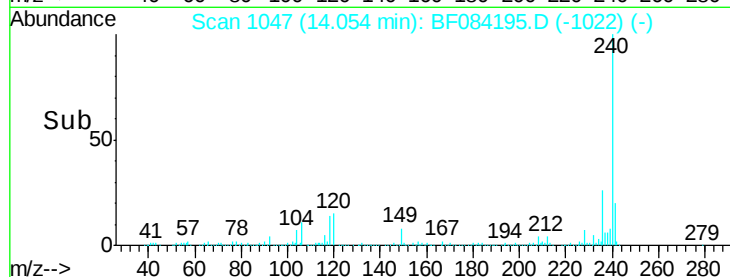
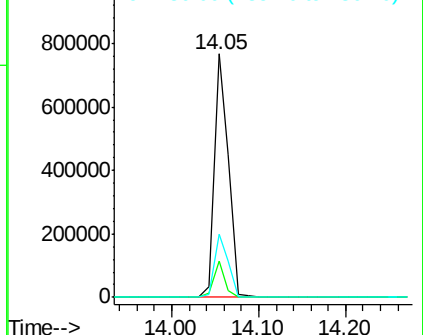
236 26.0 20.6 31.0



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: 65.28 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

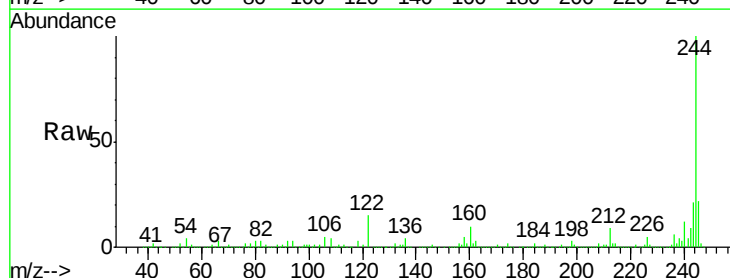
Tgt Ion:244 Resp: 2557339

Ion Ratio Lower Upper

244 100

212 8.6 5.7 8.5#

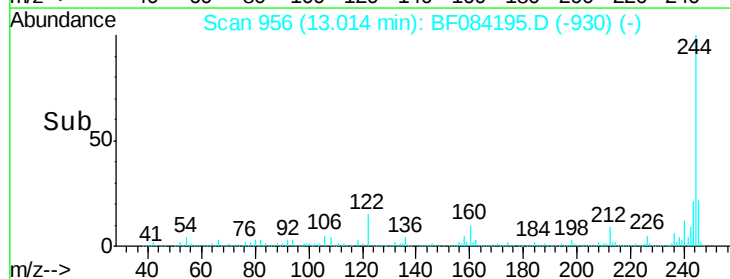
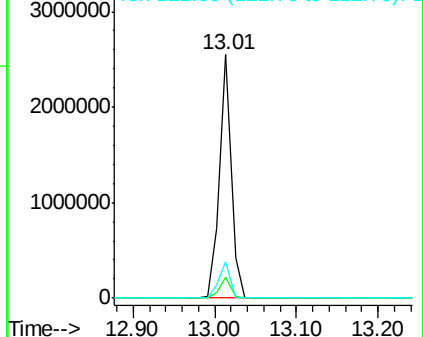
122 14.8 7.4 11.0#

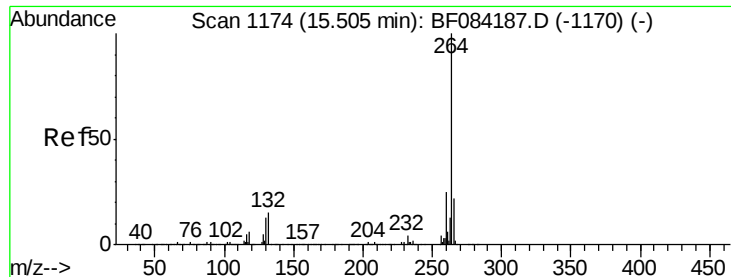


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

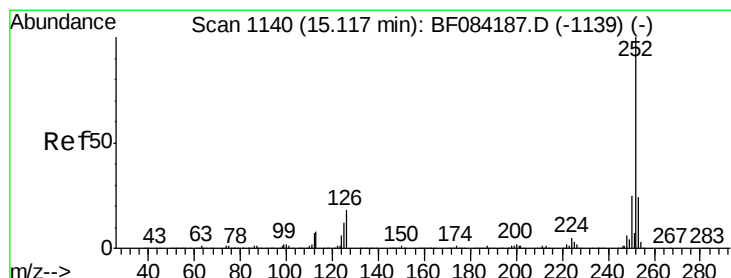
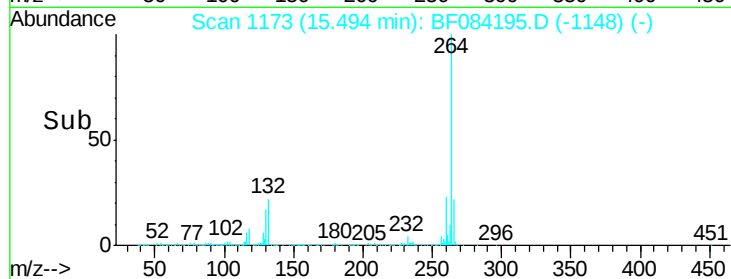
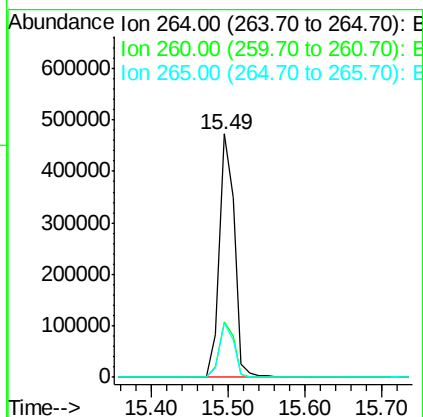
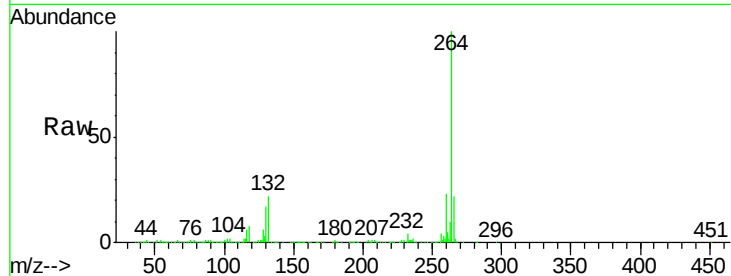




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084195.D
Acq: 31 Dec 2015 15:24

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:264 Resp: 653377
Ion Ratio Lower Upper
264 100
260 23.0 19.4 29.2
265 22.0 17.8 26.6



#88
Benzo(k)fluoranthene
Concen: 2.06 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF084195.D
Acq: 31 Dec 2015 15:24

Tgt Ion:252 Resp: 71936
Ion Ratio Lower Upper
252 100
253 20.7 18.1 27.1
125 7.9 9.0 13.6#

