

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 02 03:39:55 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

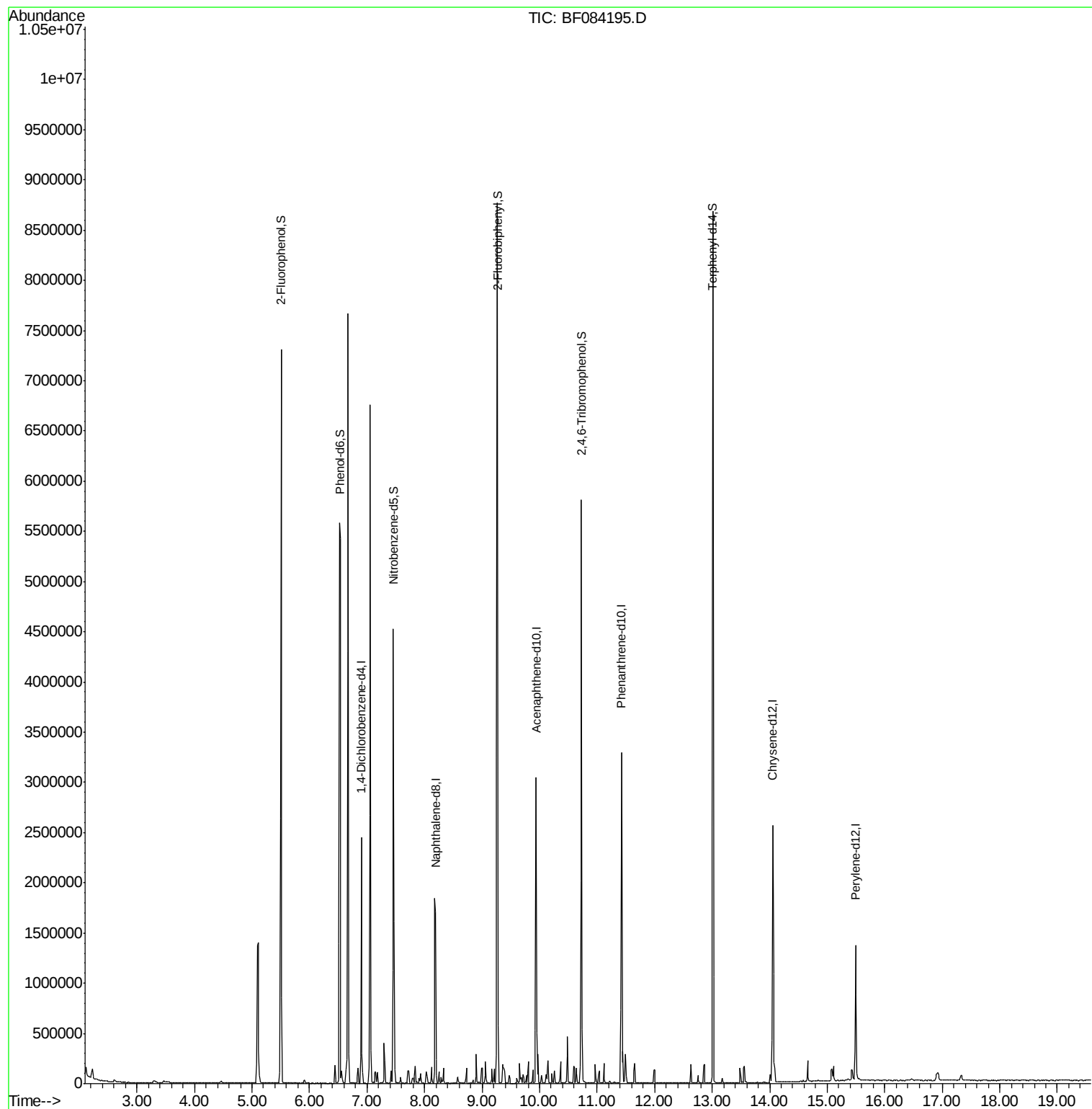
Target Compounds Qvalue

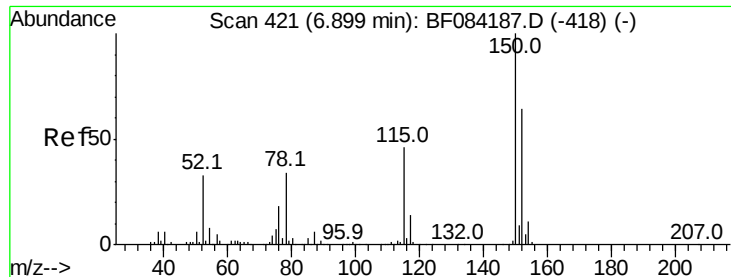
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

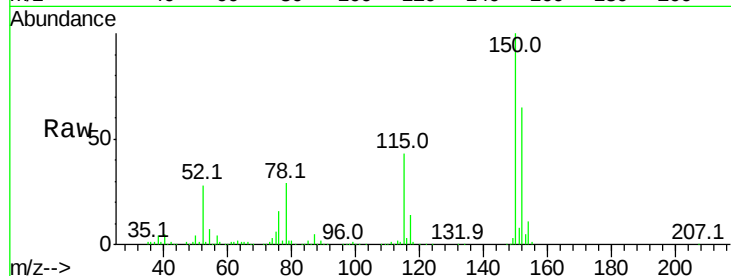
Tot Ion:152 Resp: 312394

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

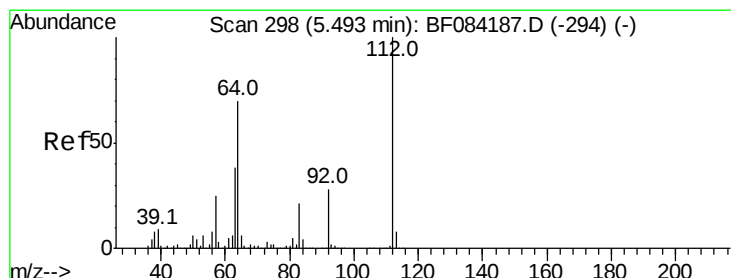
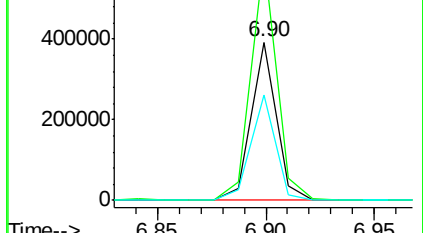
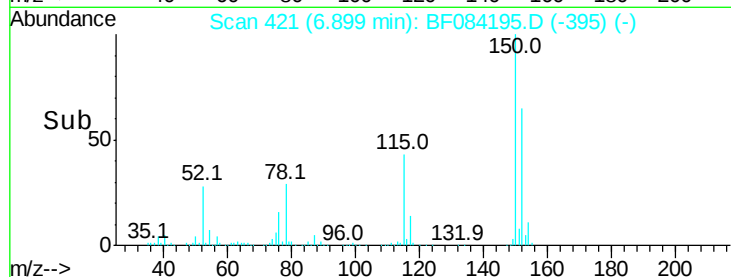
115 66.7 51.4 77.2



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

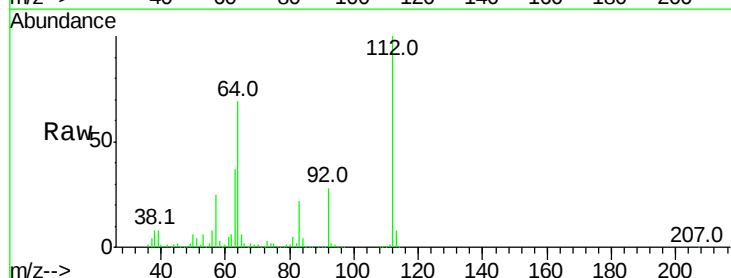
Tgt Ion:112 Resp: 1956430

Ion Ratio Lower Upper

112 100

64 69.1 36.6 55.0#

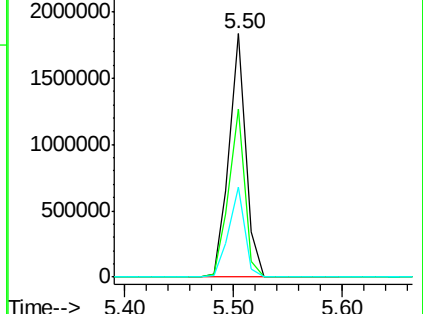
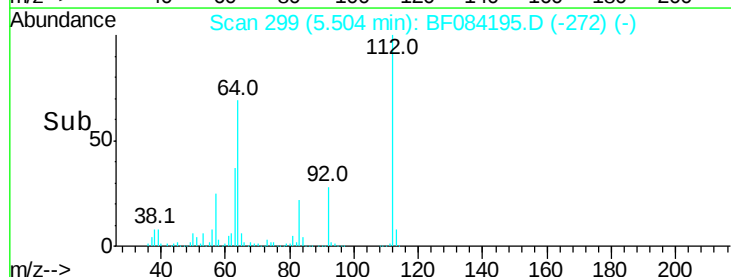
63 37.1 19.4 29.0#

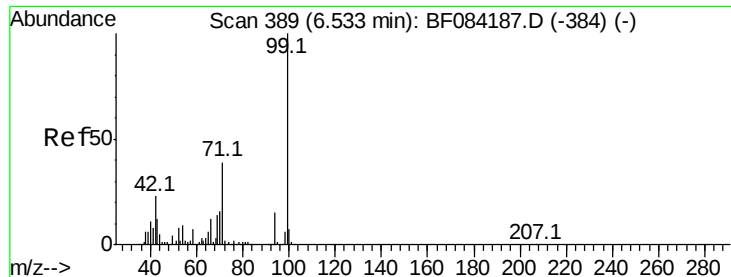


Abundance Ion 112.00 (111.70 to 112.70): E

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

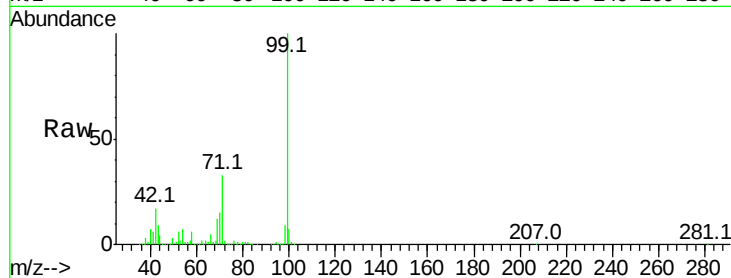
Tot Ion: 99 Resp: 2871319

Ion Ratio Lower Upper

99 100

42 17.0 12.8 19.2

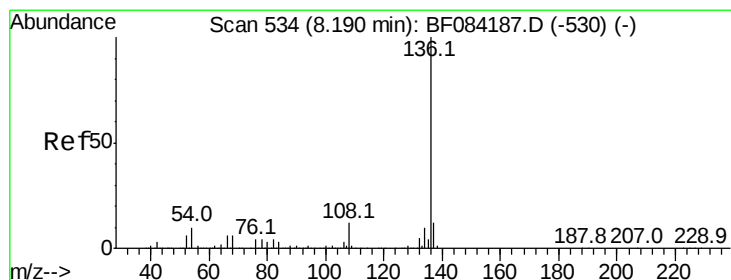
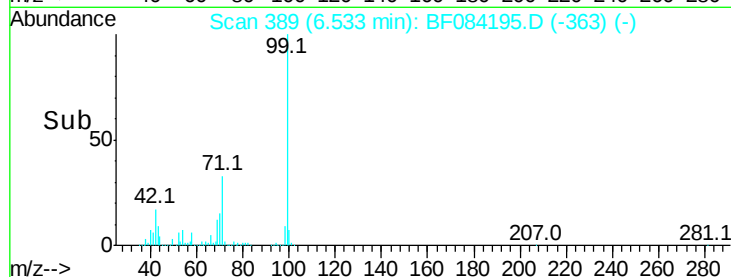
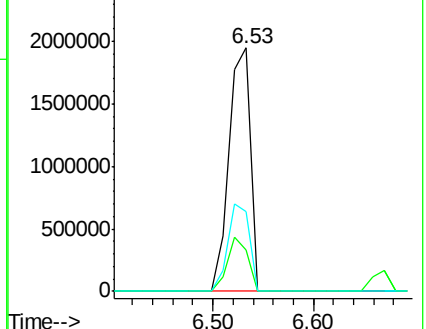
71 33.0 30.9 46.3



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



#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

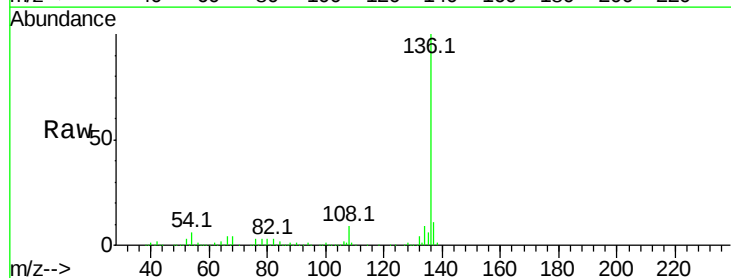
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 6.1 5.8 8.8

68 3.8 4.2 6.2#

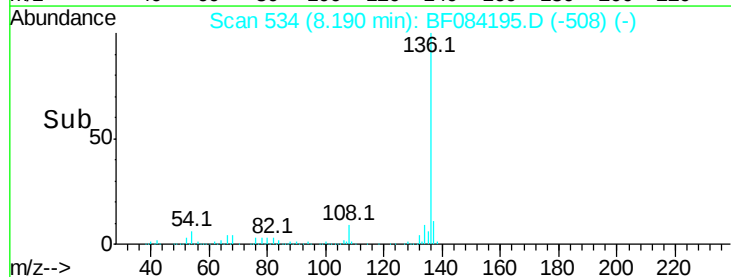
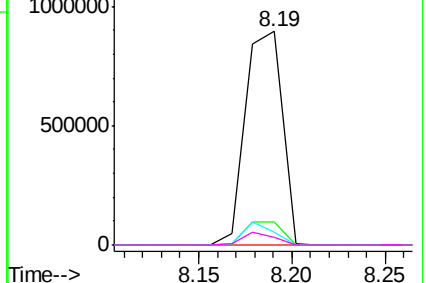


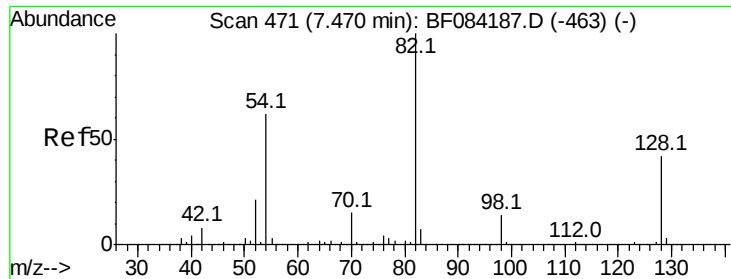
Abundance Ion 136.00 (135.70 to 136.70): E

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

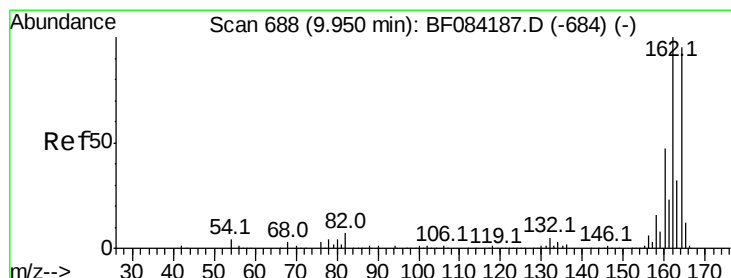
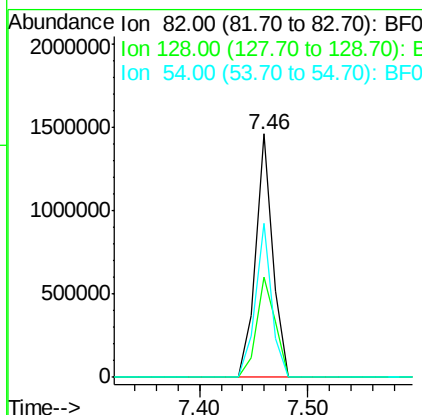
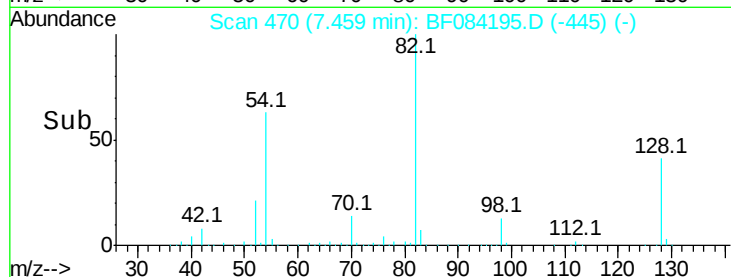
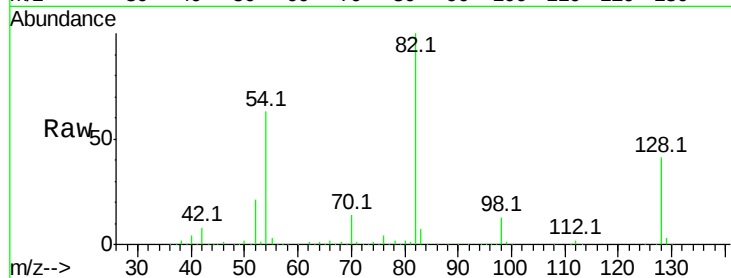




#23
 Nitrobenzene-d5
 Concen: 73.25 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

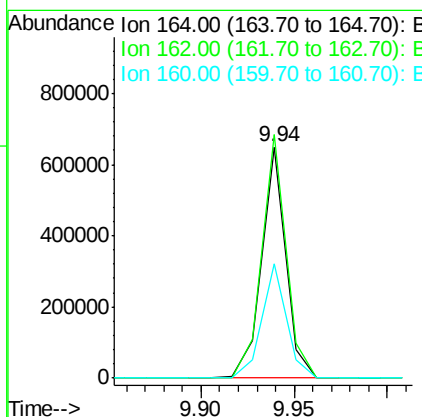
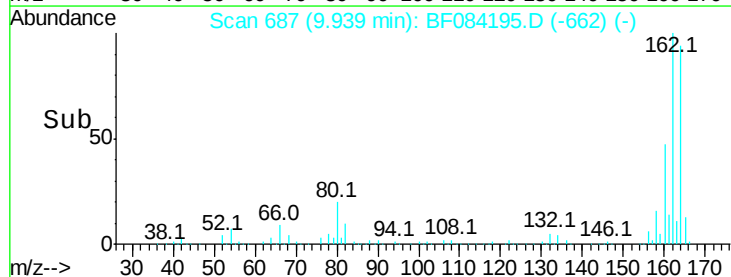
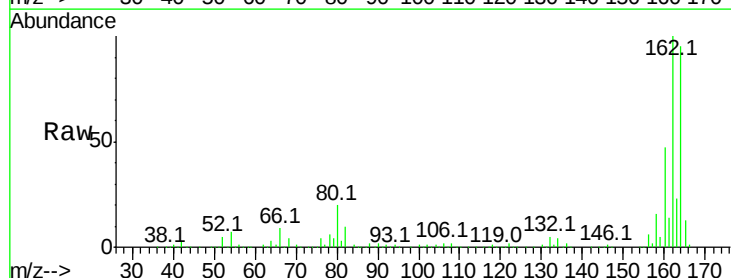
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

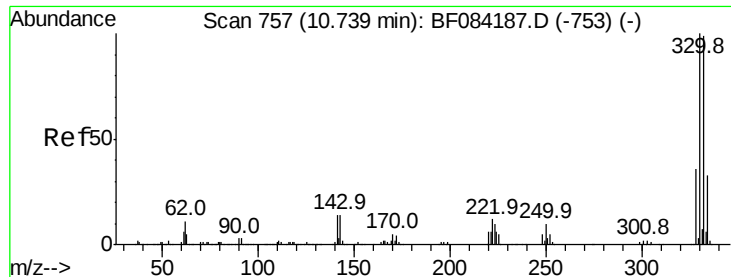
Tot Ion: 82 Resp: 1616842
 Ion Ratio Lower Upper
 82 100
 128 41.2 34.6 51.8
 54 63.1 38.4 57.6#



#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

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

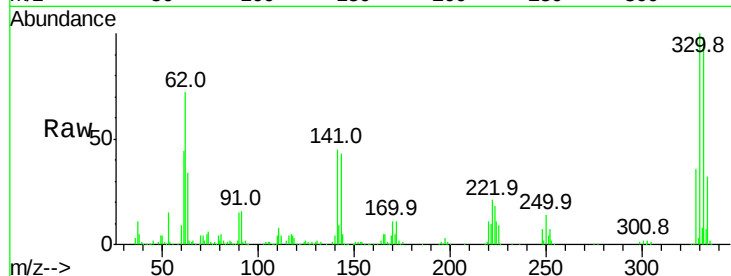




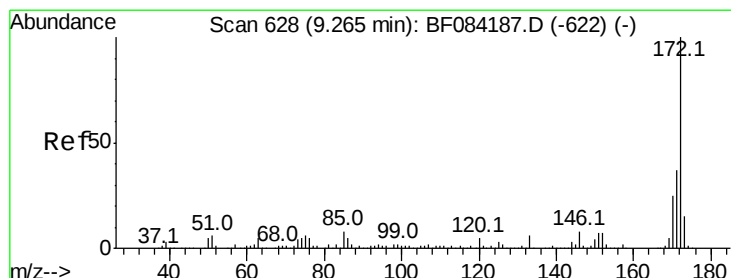
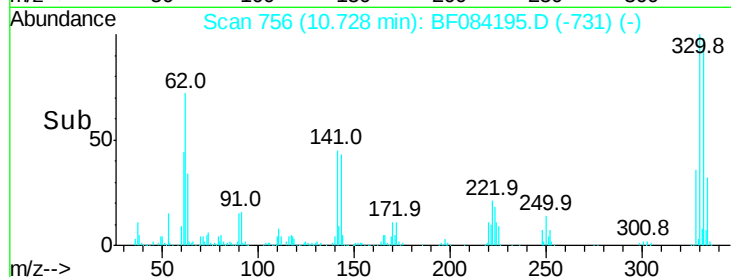
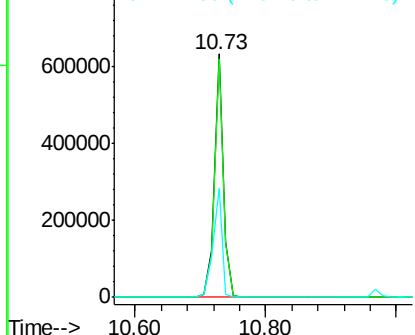
#41
 2,4,6-Tribromophenol
 Concen: 108.46 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:330 Resp: 629638
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 44.7 27.8 41.6#

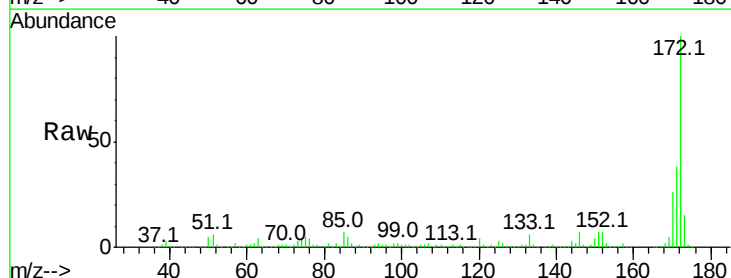


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

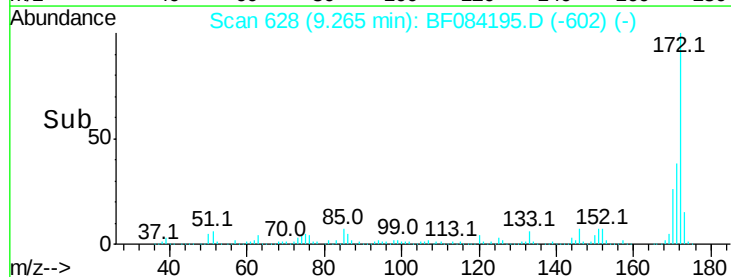
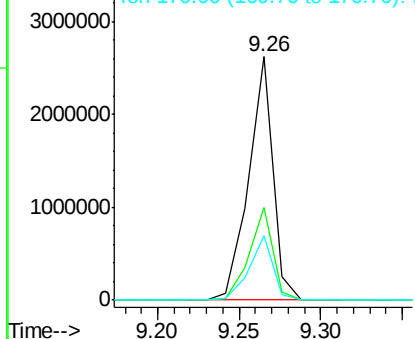


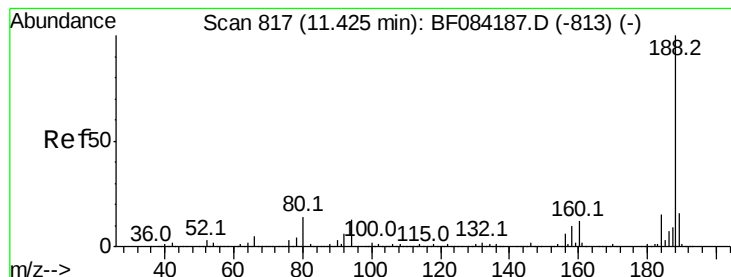
#44
 2-Fluorobiphenyl
 Concen: 82.57 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

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



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: 11.43 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084195.D

Acq: 31 Dec 2015 15:24

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

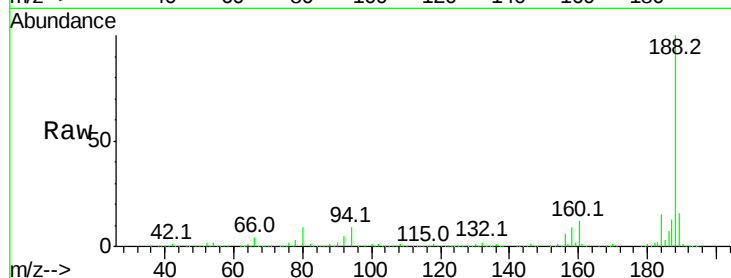
Tot Ion:188 Resp: 1098762

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.4#

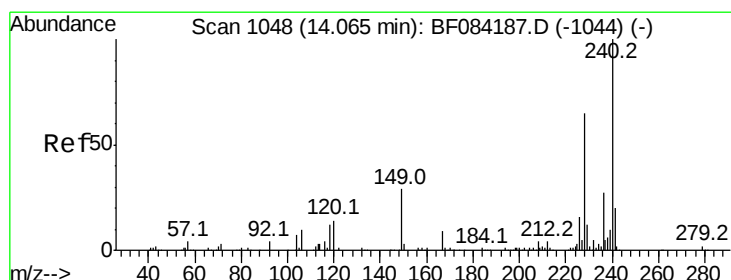
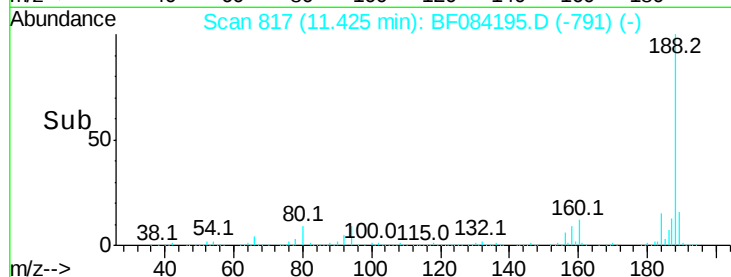
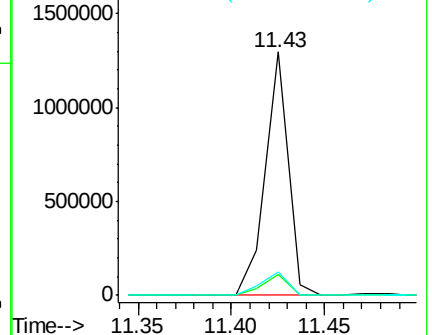
80 9.5 9.6 14.4#



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



#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

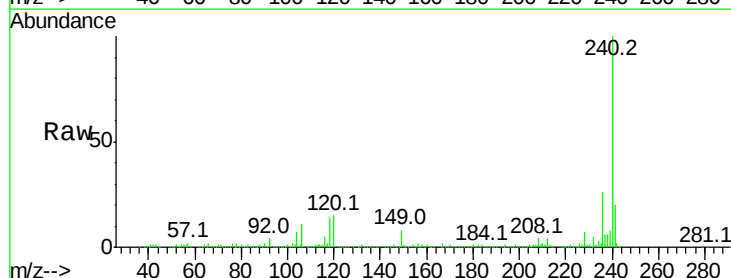
Tgt Ion:240 Resp: 874481

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

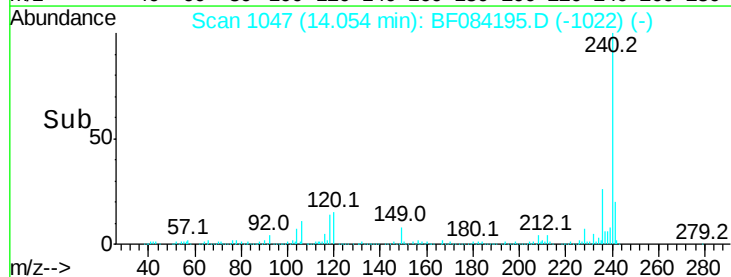
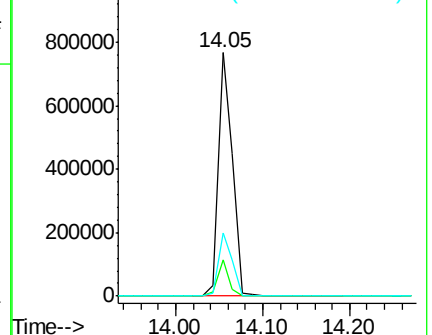
236 26.0 20.6 31.0

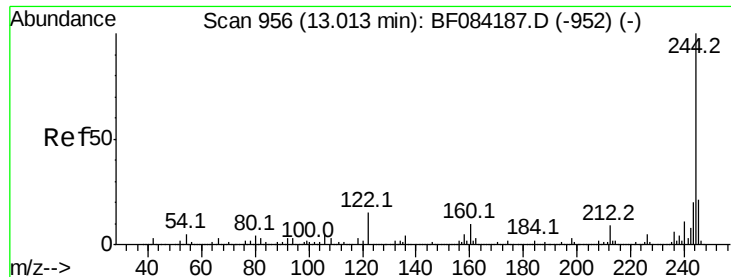


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

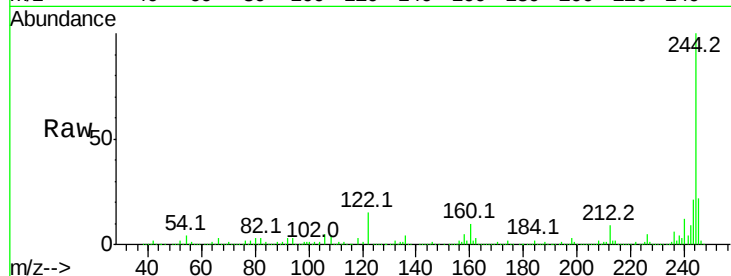




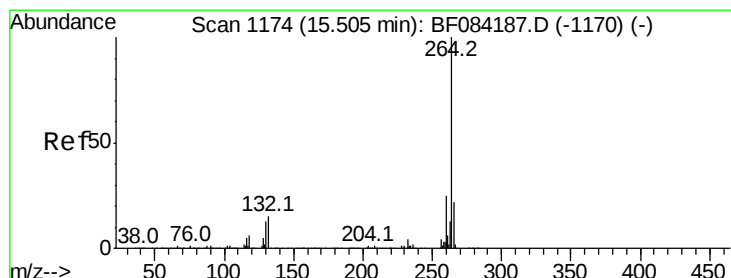
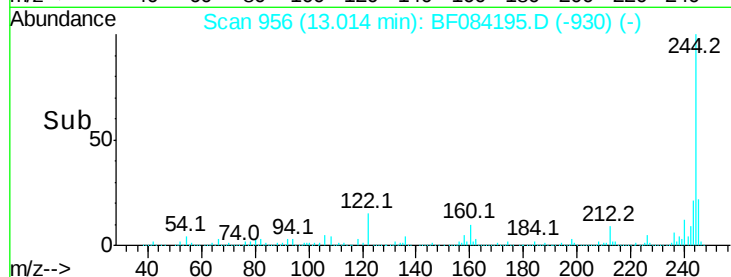
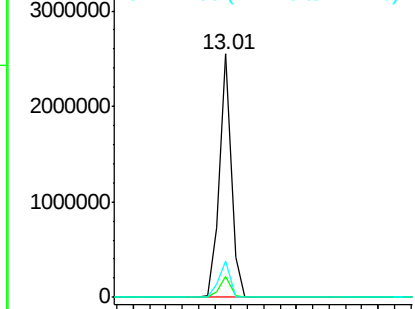
#78
 Terphenyl-d14
 Concen: 65.28 ng
 RT: 13.01 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF084195.D
 Acq: 31 Dec 2015 15:24

Instrument :
 BNA_F
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 LOD-SOIL2016-01

Tot Ion:244 Resp: 2557339
 Ion Ratio Lower Upper
 244 100
 212 8.6 5.7 8.5#
 122 14.8 7.4 11.0#

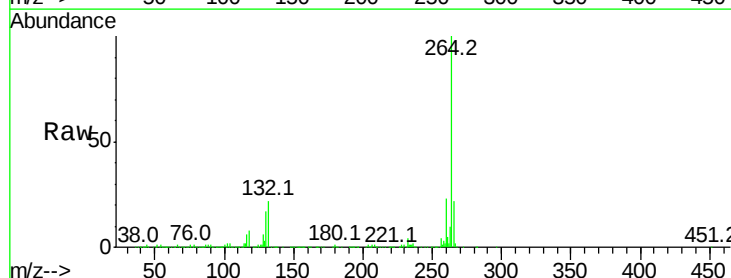


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#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

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



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

