

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF077994.D
 Acq On : 26 Mar 2015 14:42
 Operator : TP/IZ
 Sample : G1614-03
 Misc : LOD-SOIL-1PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Mar 27 00:16:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 00:54:57 2015
 Response via : Initial Calibration

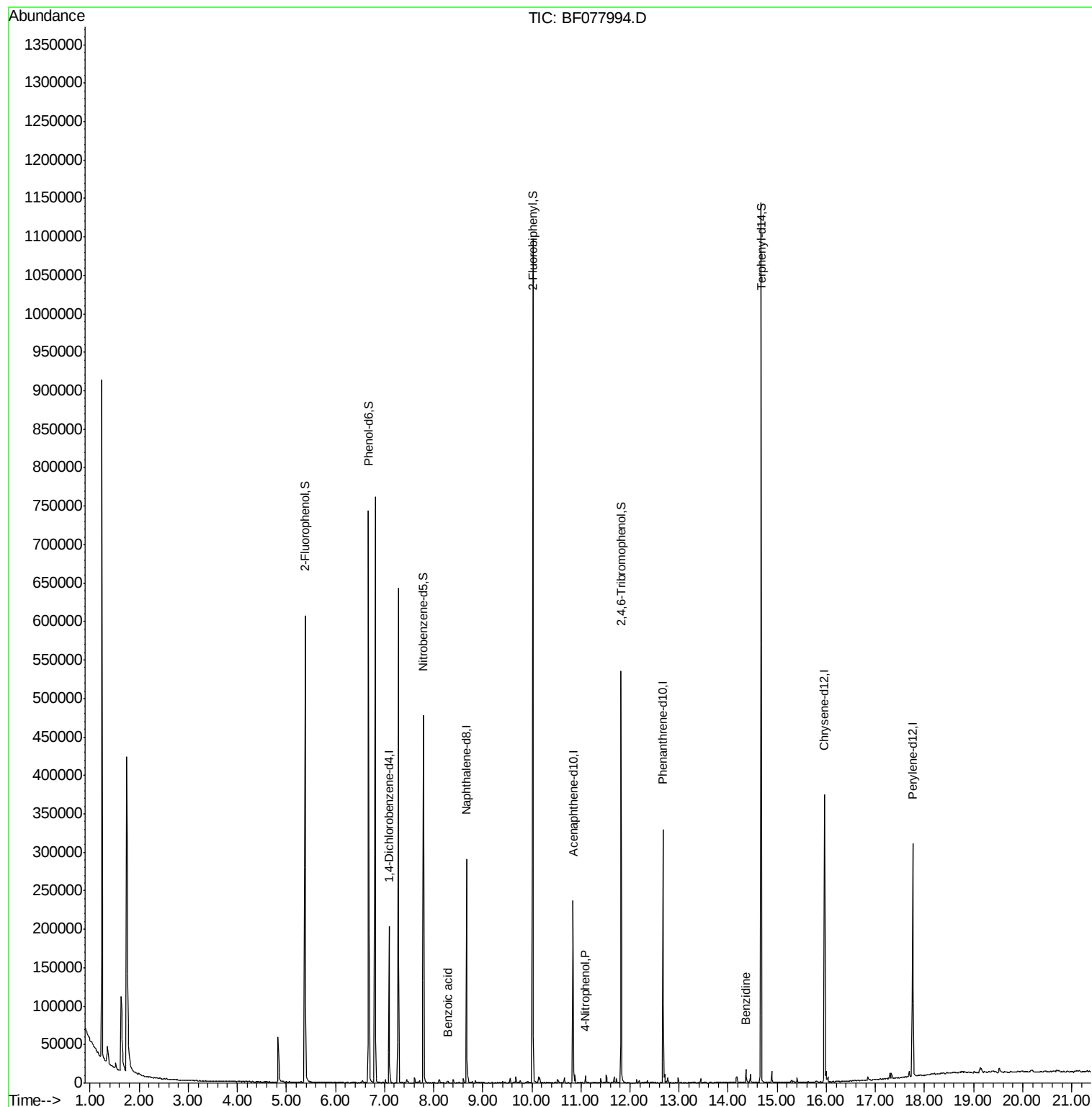
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	32428	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	133643	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	64224	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	134146	20.00	ng	-0.01
75) Chrysene-d12	15.96	240	148108	20.00	ng	-0.05
86) Perylene-d12	17.76	264	144062	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	217305	116.97	ng	0.00
7) Phenol-d6	6.67	99	267486	116.54	ng	-0.01
23) Nitrobenzene-d5	7.79	82	158918	77.95	ng	0.00
41) 2,4,6-Tribromophenol	11.81	330	65708	106.93	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	359984	82.37	ng	0.00
78) Terphenyl-d14	14.67	244	447629	73.83	ng	-0.01
Target Compounds						
32) Benzoic acid	8.29	122	964	3.92	ng	# 1
55) 4-Nitrophenol	11.09	139	1741	2.05	ng	# 18
76) Benzidine	14.36	184	13333	3.19	ng	96

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

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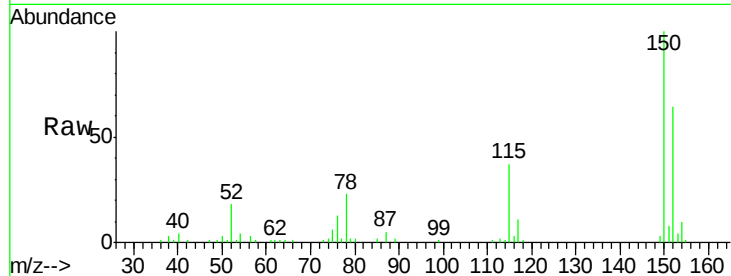




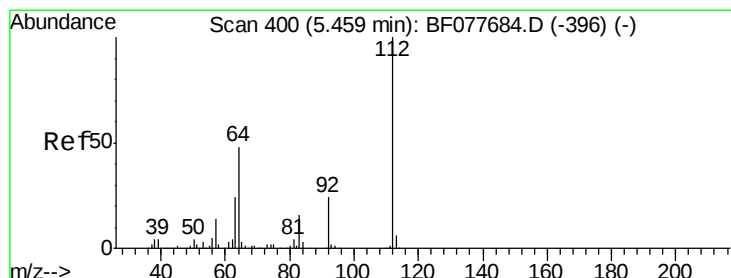
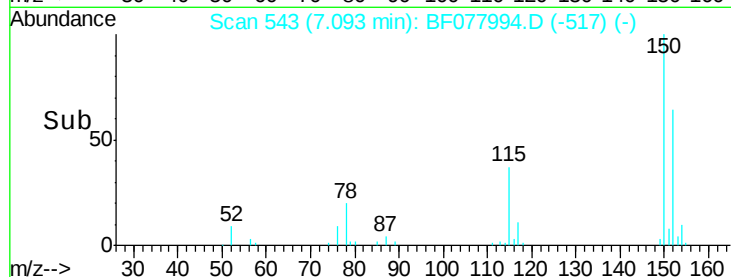
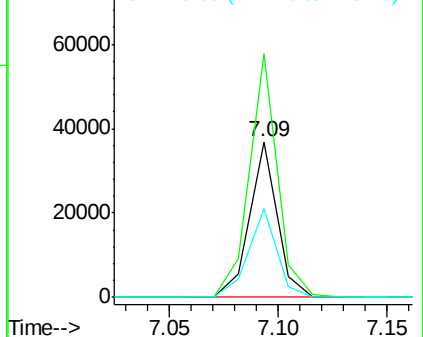
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.09 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: BF077994.D
 Acq: 26 Mar 2015 14:42

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:152 Resp: 32428
 Ion Ratio Lower Upper
 152 100
 150 156.8 119.5 179.3
 115 57.6 43.0 64.4

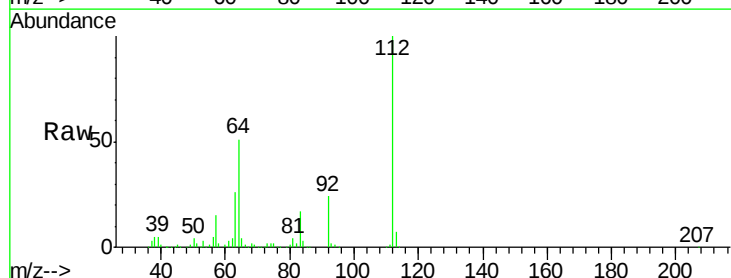


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

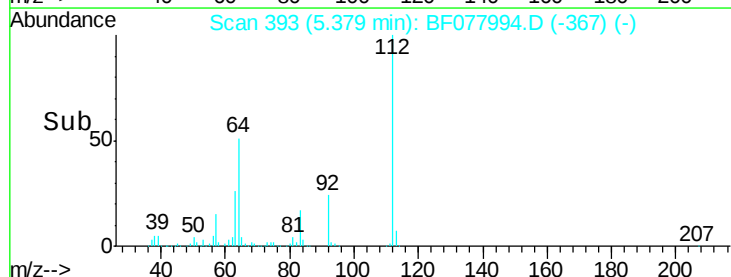
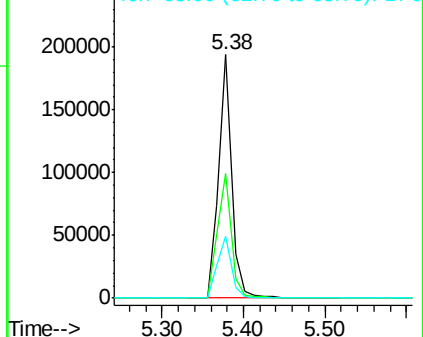


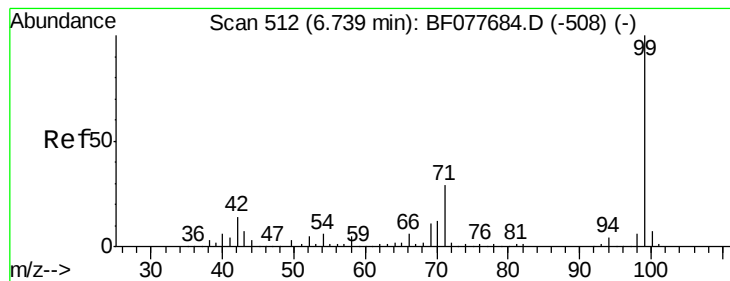
#5
 2-Fluorophenol
 Concen: 116.97 ng
 RT: 5.38 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: BF077994.D
 Acq: 26 Mar 2015 14:42

Tgt Ion:112 Resp: 217305
 Ion Ratio Lower Upper
 112 100
 64 50.9 38.6 57.8
 63 25.6 19.3 28.9



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: 116.54 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: BF077994.D

Acq: 26 Mar 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

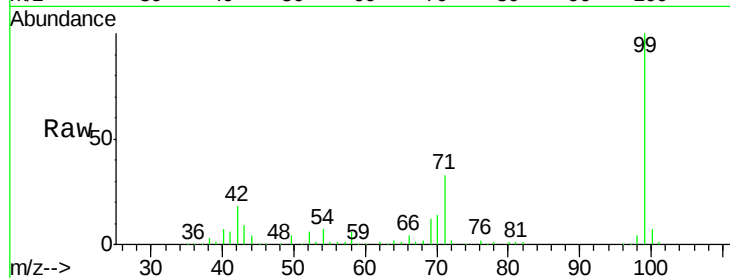
Tgt Ion: 99 Resp: 267486

Ion Ratio Lower Upper

99 100

42 17.9 11.0 16.4#

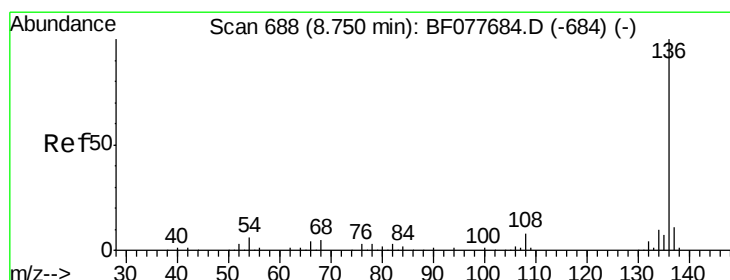
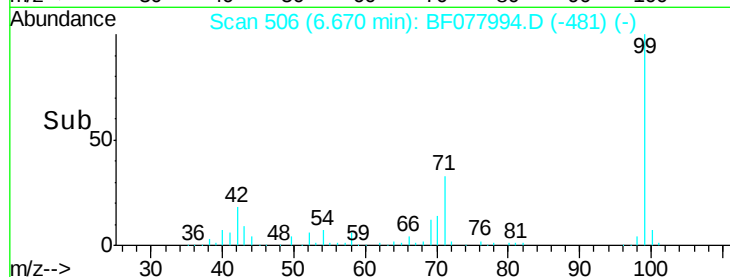
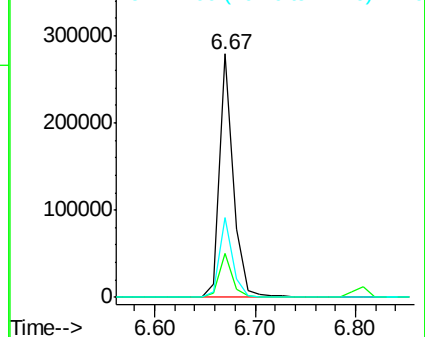
71 32.8 23.4 35.2



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: 8.67 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF077994.D

Acq: 26 Mar 2015 14:42

Tgt Ion: 136 Resp: 133643

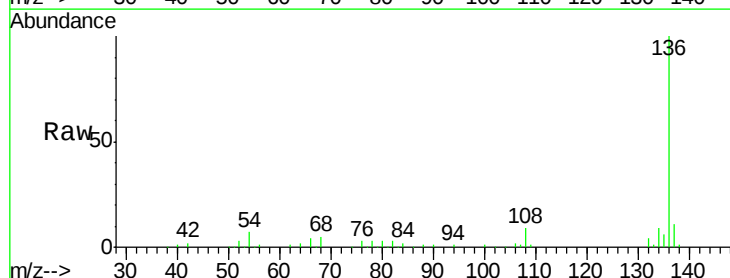
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.5 4.6 6.8

68 5.1 3.7 5.5

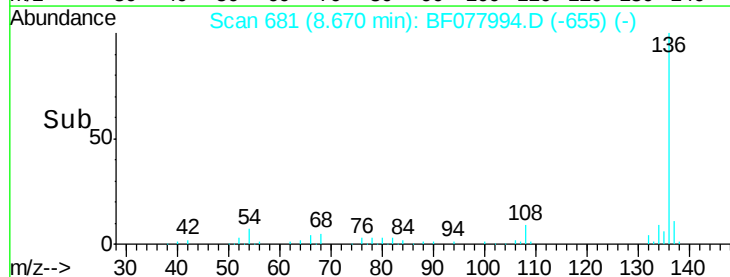
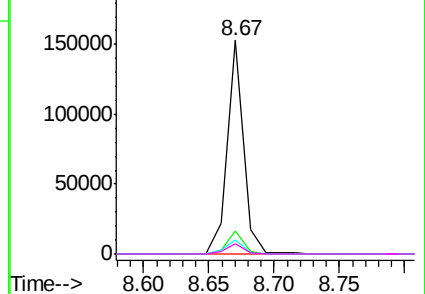


Abundance Ion 136.00 (135.70 to 136.70): E

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

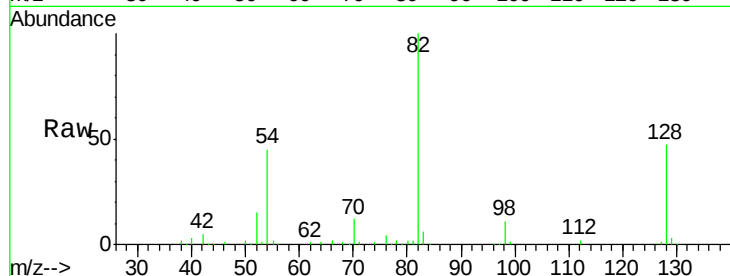




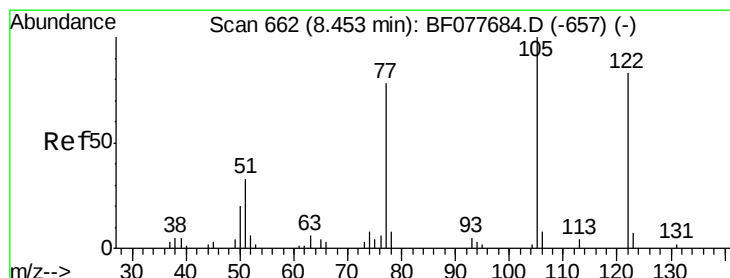
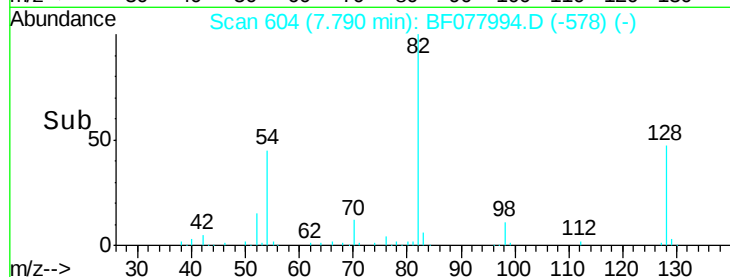
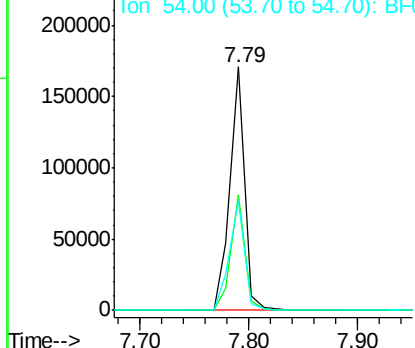
#23
Nitrobenzene-d5
Concen: 77.95 ng
RT: 7.79 min Scan# 604
Delta R.T. -0.00 min
Lab File: BF077994.D
Acq: 26 Mar 2015 14:42

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 82 Resp: 158918
Ion Ratio Lower Upper
82 100
128 47.3 32.8 49.2
54 44.9 40.6 60.8

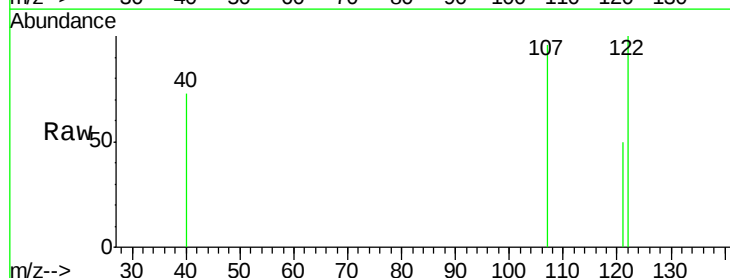


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

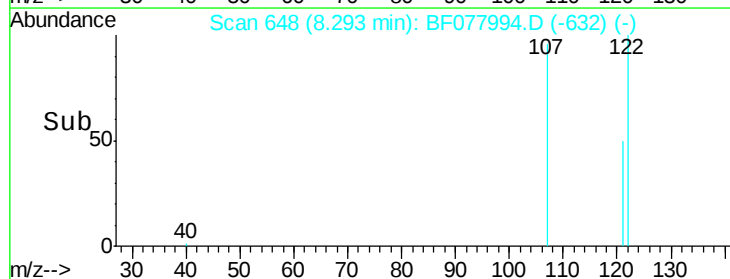
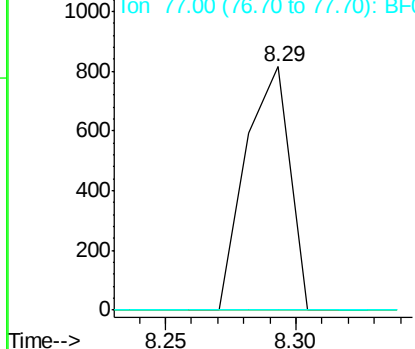


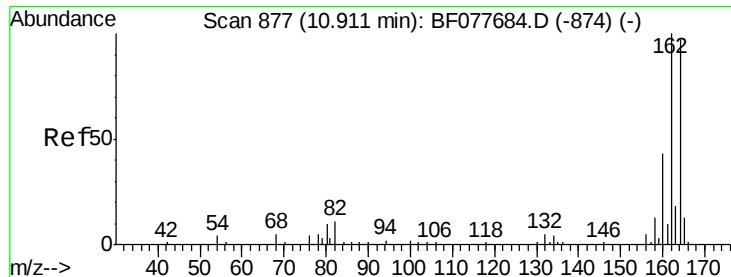
#32
Benzoic acid
Concen: 3.92 ng
RT: 8.29 min Scan# 648
Delta R.T. -0.11 min
Lab File: BF077994.D
Acq: 26 Mar 2015 14:42

Tgt Ion: 122 Resp: 964
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 0.0 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

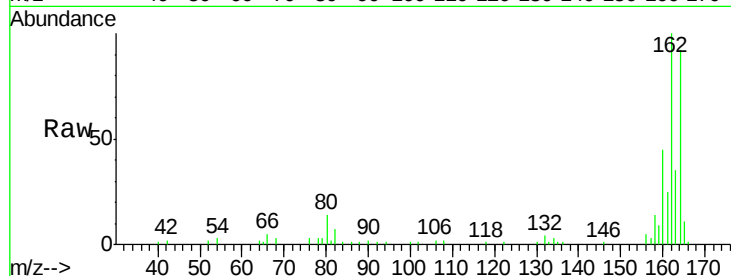




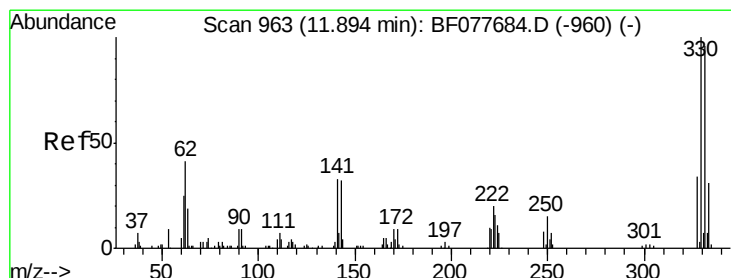
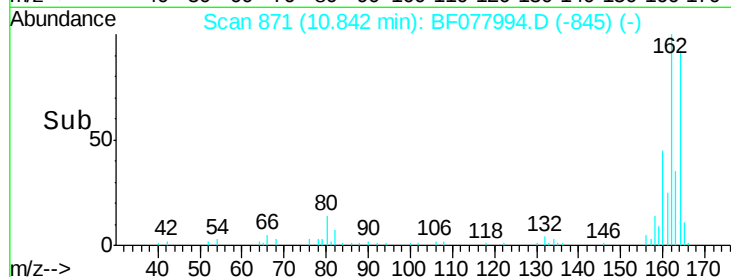
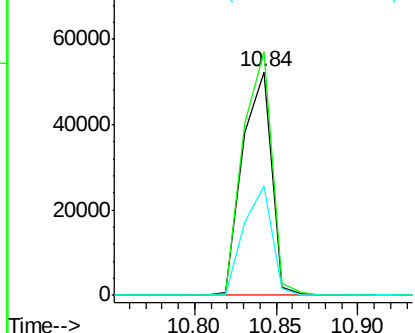
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.84 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF077994.D
Acq: 26 Mar 2015 14:42

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:164 Resp: 64224
Ion Ratio Lower Upper
164 100
162 109.1 82.4 123.6
160 49.0 35.8 53.6

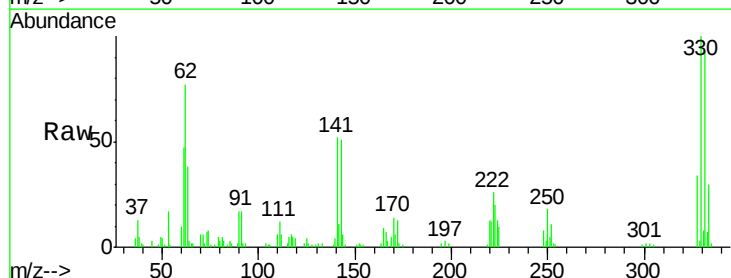


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

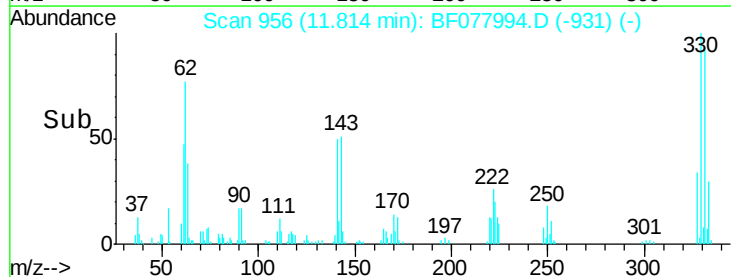
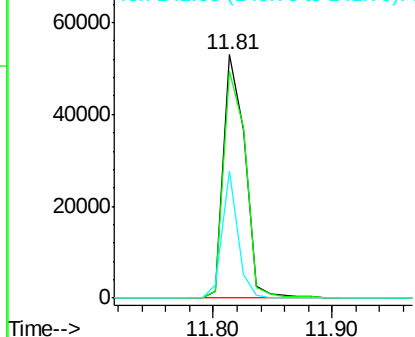


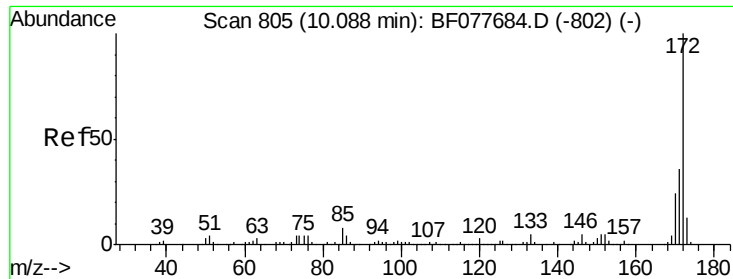
#41
2,4,6-Tribromophenol
Concen: 106.93 ng
RT: 11.81 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF077994.D
Acq: 26 Mar 2015 14:42

Tgt Ion:330 Resp: 65708
Ion Ratio Lower Upper
330 100
332 96.6 0.0 0.0#
141 37.9 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

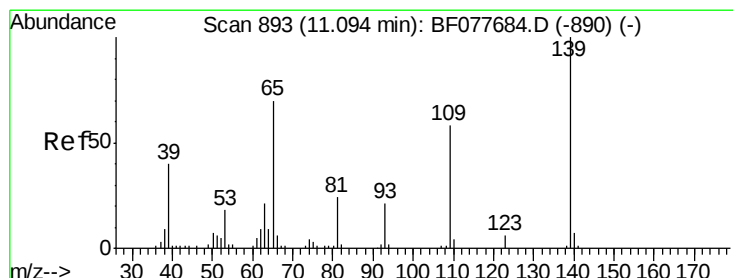
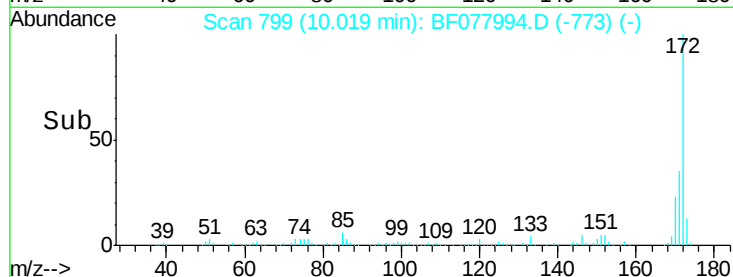
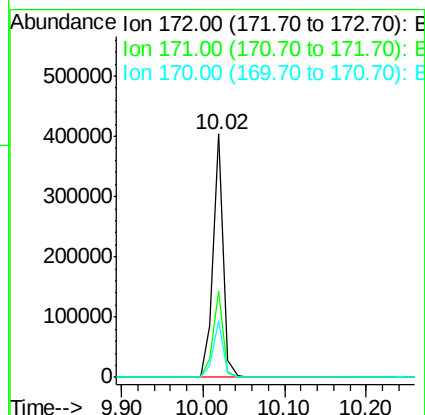
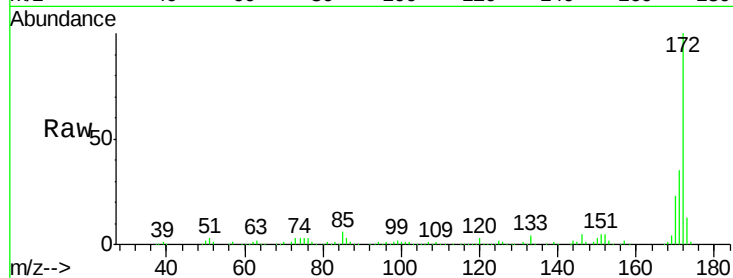




#44
 2-Fluorobiphenyl
 Concen: 82.37 ng
 RT: 10.02 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF077994.D
 Acq: 26 Mar 2015 14:42

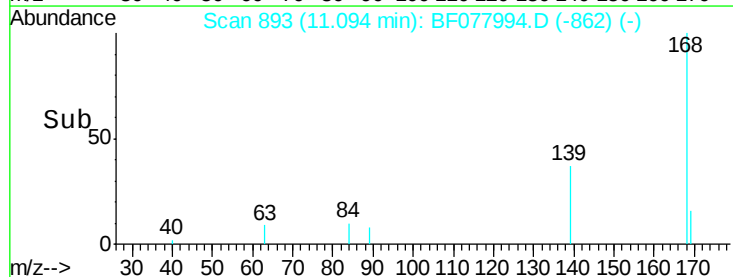
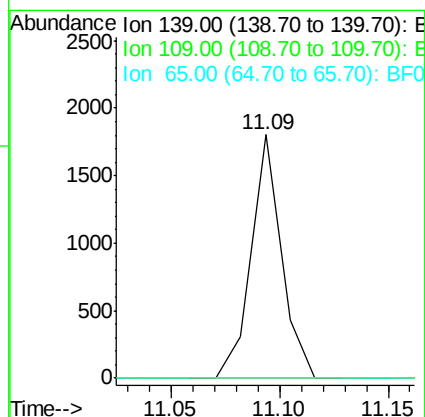
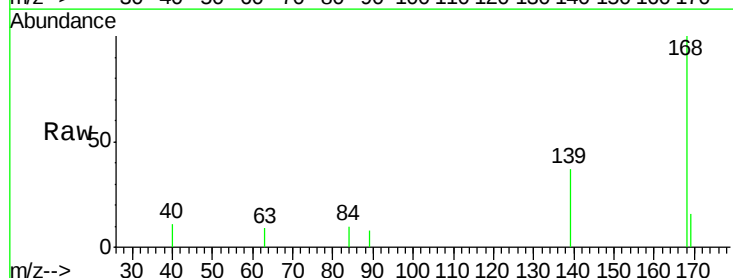
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

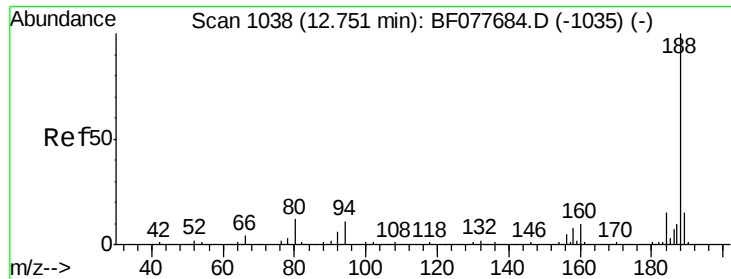
Tgt Ion:172 Resp: 359984
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.5 42.7
 170 23.2 18.8 28.2



#55
 4-Nitrophenol
 Concen: 2.05 ng
 RT: 11.09 min Scan# 893
 Delta R.T. 0.06 min
 Lab File: BF077994.D
 Acq: 26 Mar 2015 14:42

Tgt Ion:139 Resp: 1741
 Ion Ratio Lower Upper
 139 100
 109 0.0 37.7 77.7#
 65 0.0 49.9 89.9#

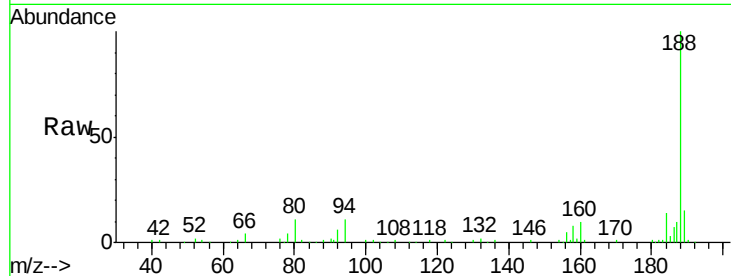




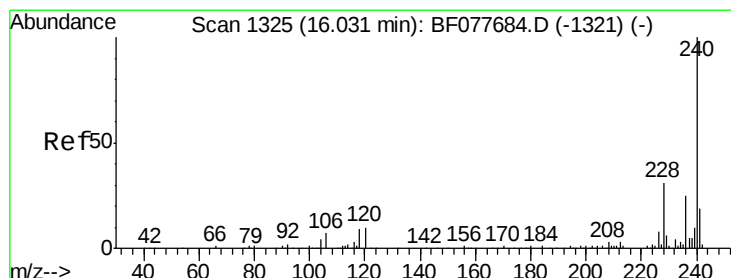
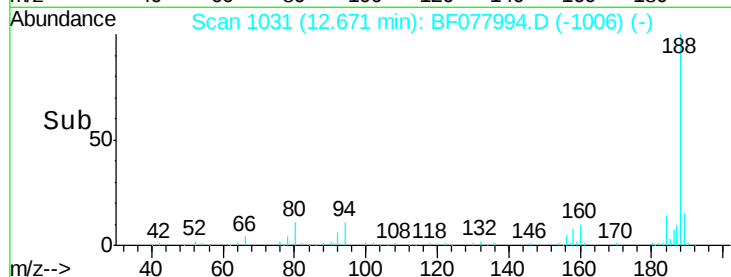
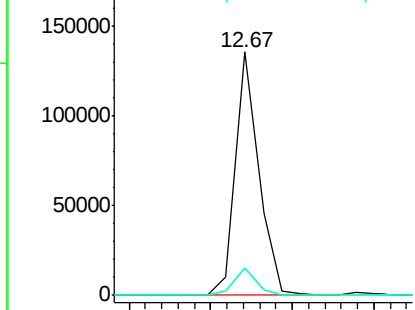
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF077994.D
Acq: 26 Mar 2015 14:42

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:188 Resp: 134146
Ion Ratio Lower Upper
188 100
94 11.1 8.7 13.1
80 11.3 9.3 13.9

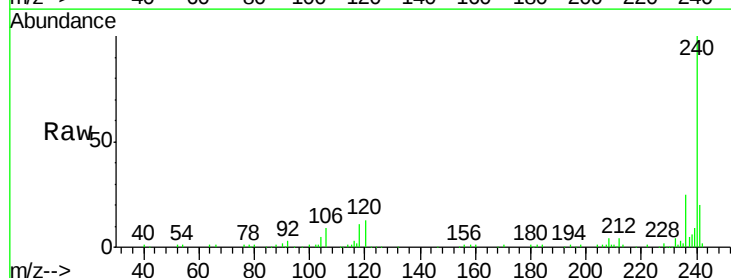


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

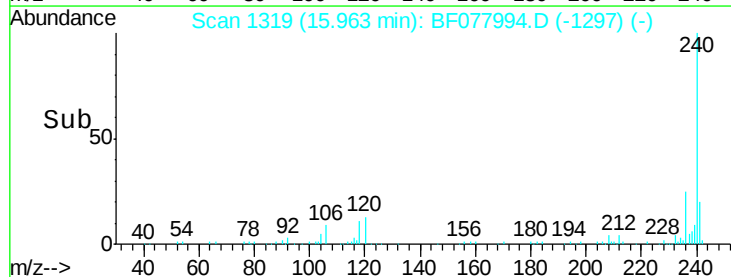
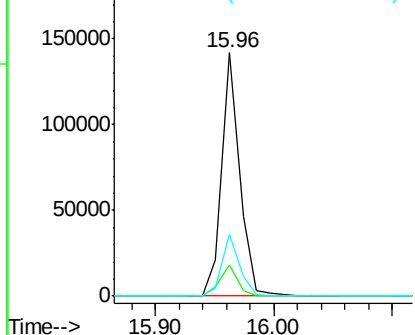


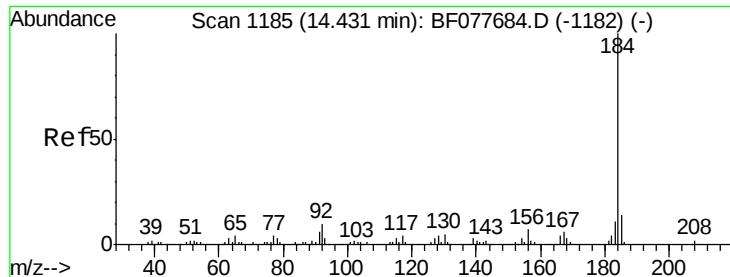
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.96 min Scan# 1319
Delta R.T. -0.05 min
Lab File: BF077994.D
Acq: 26 Mar 2015 14:42

Tgt Ion:240 Resp: 148108
Ion Ratio Lower Upper
240 100
120 12.6 8.2 12.2#
236 25.3 20.0 30.0



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: 3.19 ng

RT: 14.36 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF077994.D

Acq: 26 Mar 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

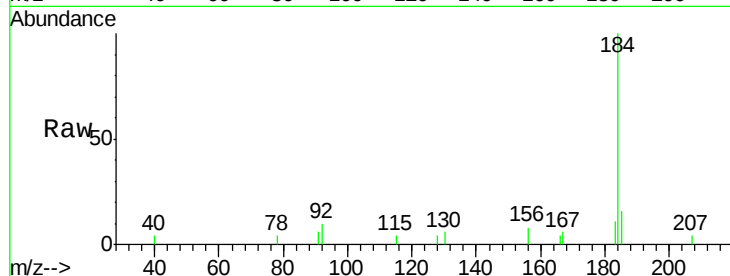
Tgt Ion:184 Resp: 13333

Ion Ratio Lower Upper

184 100

185 16.5 11.3 16.9

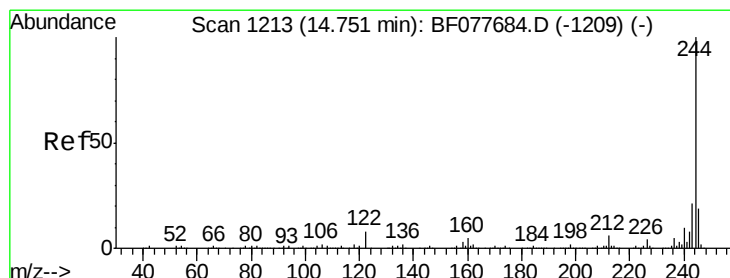
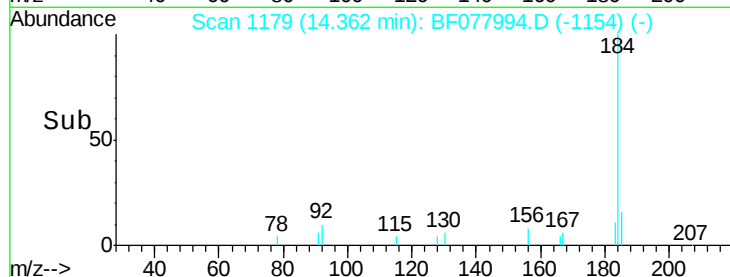
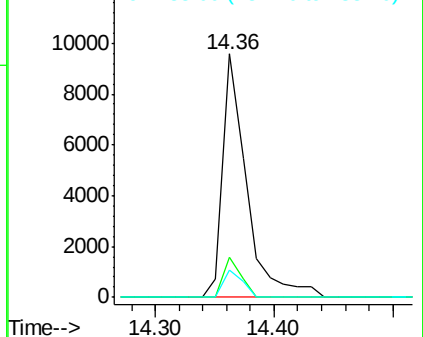
183 11.4 8.9 13.3



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



#78

Terphenyl-d14

Concen: 73.83 ng

RT: 14.67 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF077994.D

Acq: 26 Mar 2015 14:42

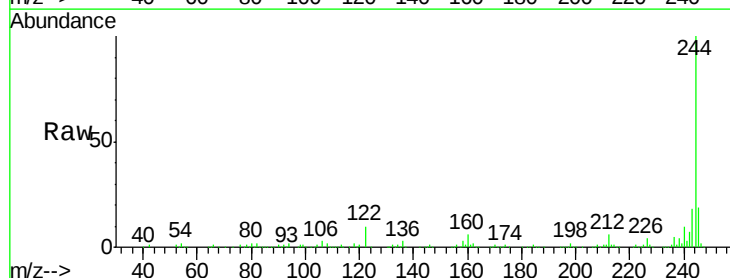
Tgt Ion:244 Resp: 447629

Ion Ratio Lower Upper

244 100

212 6.4 4.9 7.3

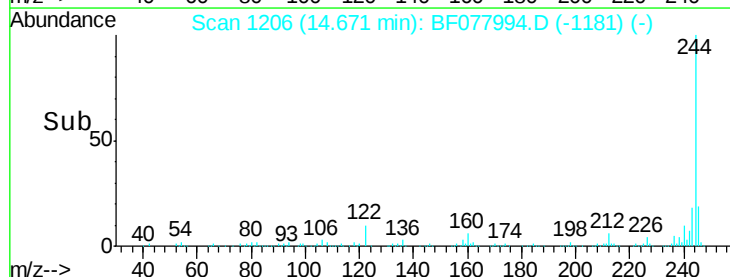
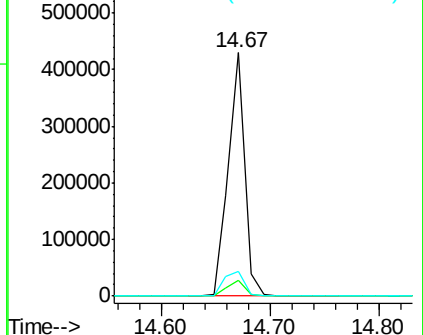
122 10.2 6.2 9.4#

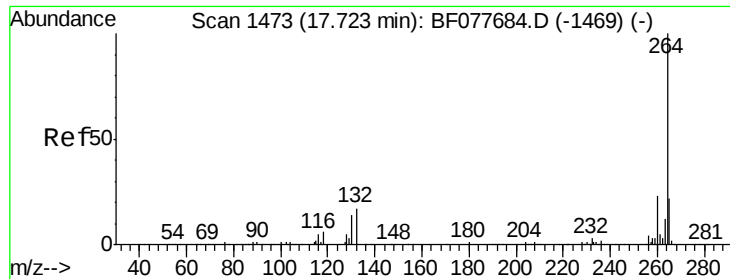


Abundance Ion 244.00 (243.70 to 244.70): E

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: 17.76 min Scan# 1476
Delta R.T. -0.14 min
Lab File: BF077994.D
Acq: 26 Mar 2015 14:42

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 264 Resp: 144062
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 20.7 17.3 25.9

