

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF077996.D
 Acq On : 26 Mar 2015 15:39
 Operator : TP/IZ
 Sample : G1614-03
 Misc : LOD-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Mar 27 12:28:21 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

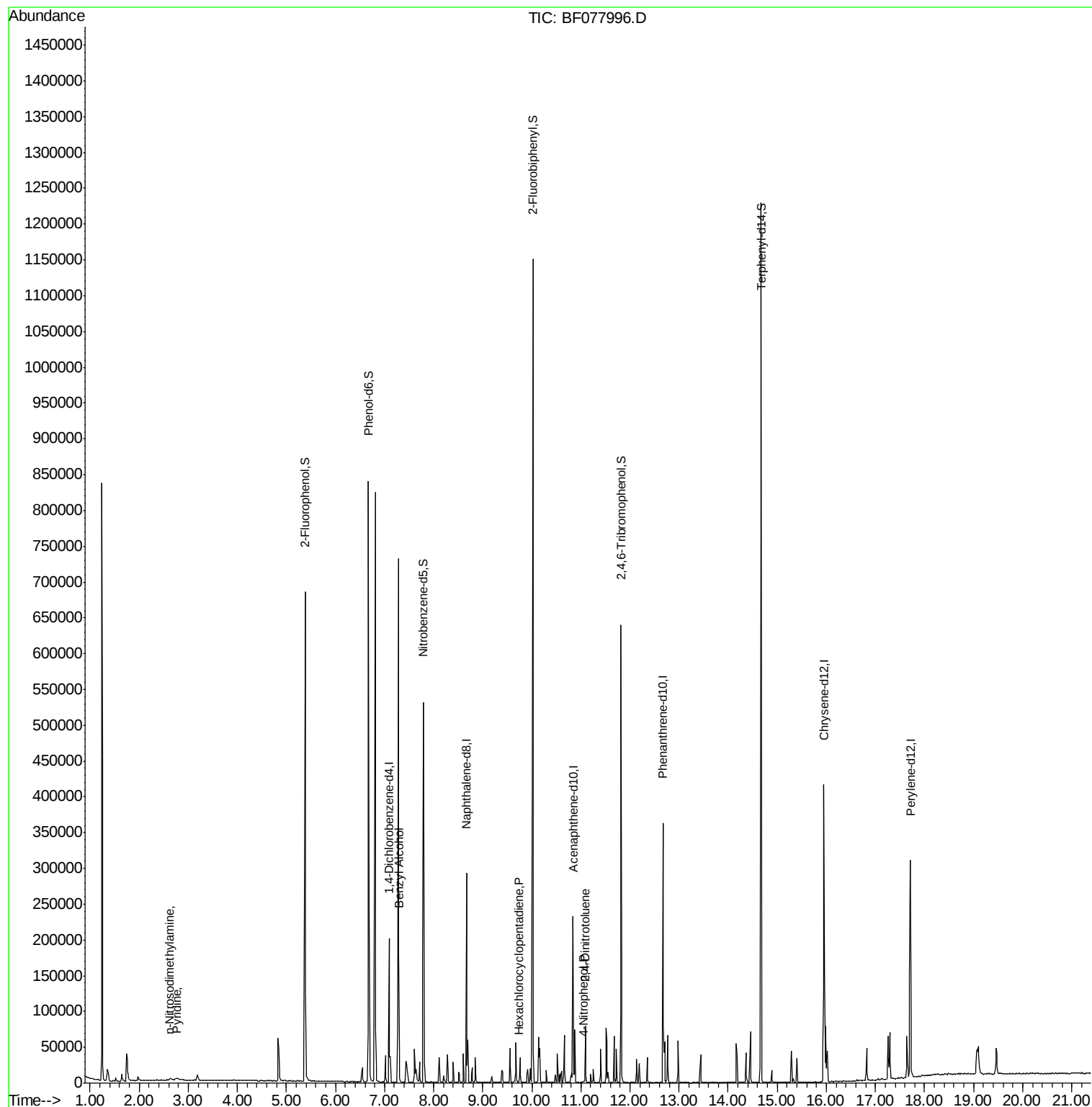
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	33010	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	137388	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	69239	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	140286	20.00	ng	-0.01
75) Chrysene-d12	15.95	240	160038	20.00	ng	-0.06
86) Perylene-d12	17.71	264	144213	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	239811	126.81	ng	0.00
7) Phenol-d6	6.67	99	294975	126.25	ng	-0.01
23) Nitrobenzene-d5	7.79	82	178182	85.02	ng	0.00
41) 2,4,6-Tribromophenol	11.81	330	77197	116.53	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	398562	84.60	ng	0.00
78) Terphenyl-d14	14.67	244	516845	78.89	ng	-0.01
Target Compounds						Qvalue
3) Pyridine	2.76	79	6541m	2.84	ng	
4) n-Nitrosodimethylamine	2.62	42	2814m	2.80	ng	
15) Benzyl Alcohol	7.29	79	8766m	4.81	ng	
40) Hexachlorocyclopentadiene	9.74	237	927	4.03	ng	83
55) 4-Nitrophenol	11.06	139	1282m	1.40	ng	
56) 2,4-Dinitrotoluene	11.09	165	4039m	2.91	ng	

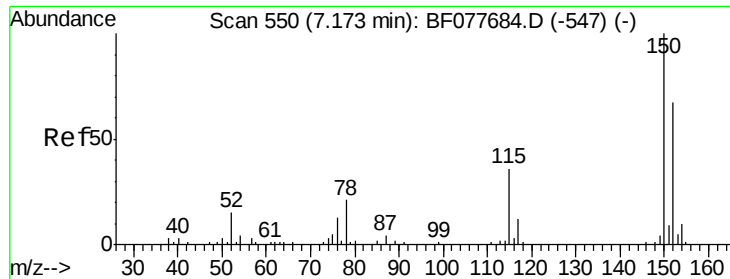
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF077996.D

Acq: 26 Mar 2015 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

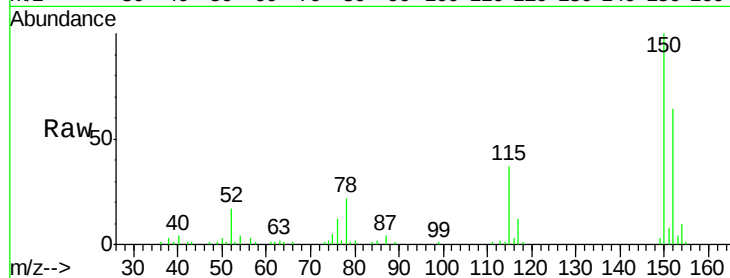
Tgt Ion:152 Resp: 33010

Ion Ratio Lower Upper

152 100

150 157.2 119.5 179.3

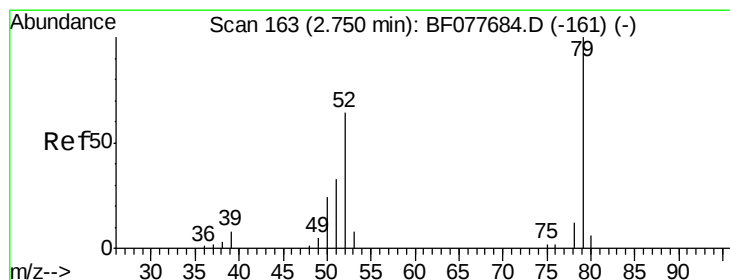
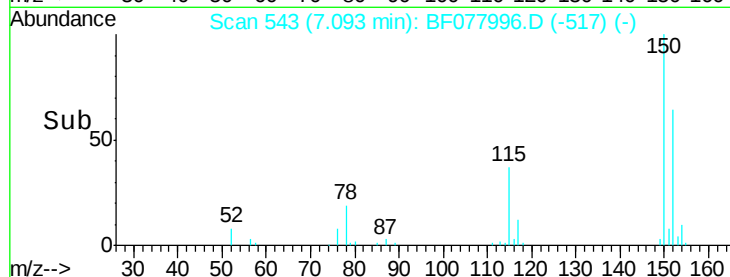
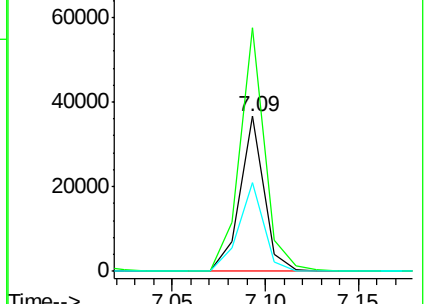
115 57.4 43.0 64.4



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



#3

Pyridine

Concen: 2.84 ng m

RT: 2.76 min Scan# 164

Delta R.T. 0.16 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

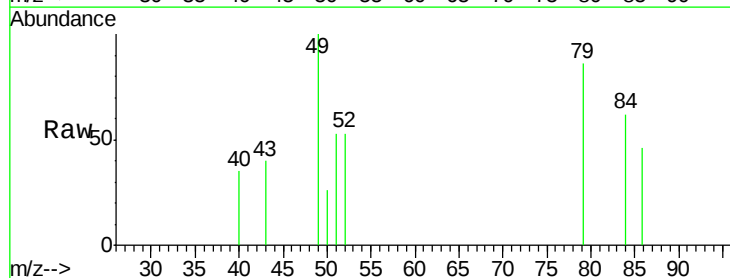
Tgt Ion: 79 Resp: 6541

Ion Ratio Lower Upper

79 100

52 61.1 51.1 76.7

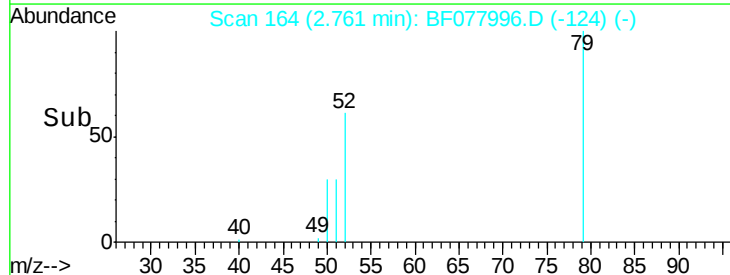
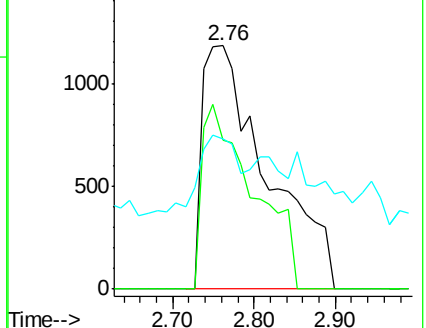
51 61.6 26.1 39.1#

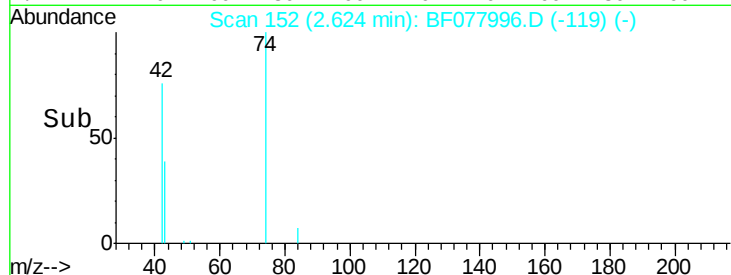
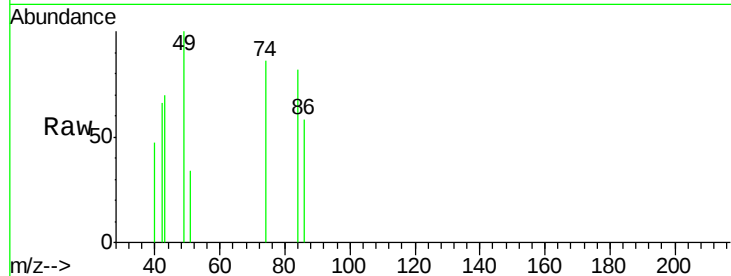
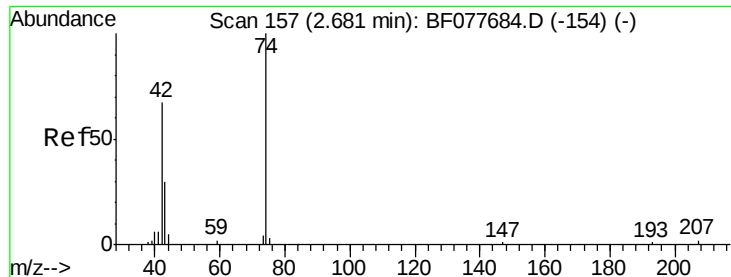


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#4

n-Nitrosodimethylamine

Concen: 2.80 ng m

RT: 2.62 min Scan# 152

Delta R.T. 0.08 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

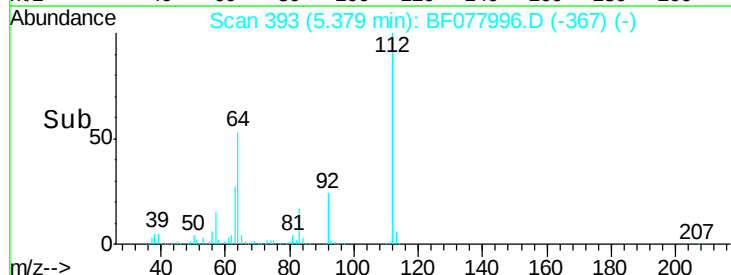
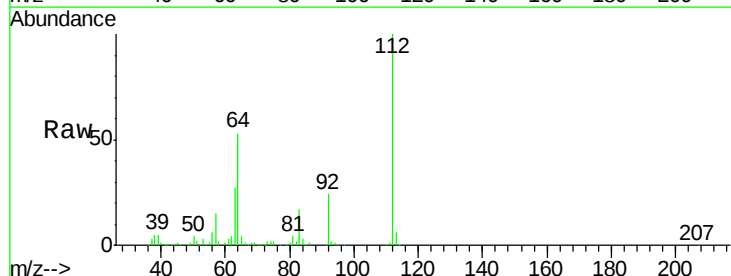
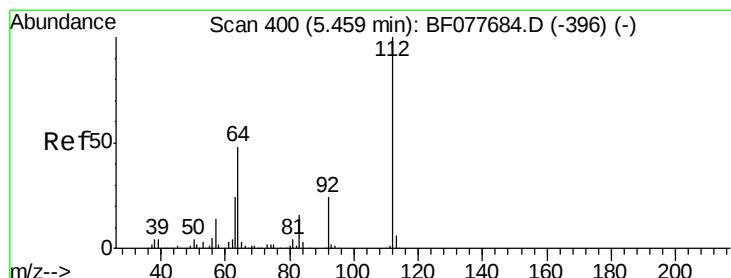
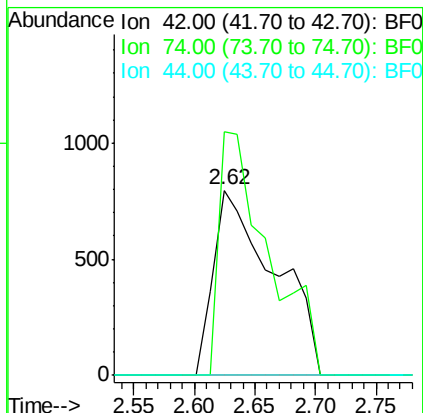
Tgt Ion: 42 Resp: 2814

Ion Ratio Lower Upper

42 100

74 131.3 119.3 178.9

44 0.0 5.4 8.2#



#5

2-Fluorophenol

Concen: 126.81 ng

RT: 5.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

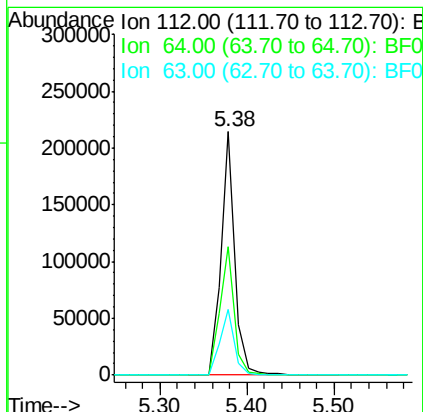
Tgt Ion: 112 Resp: 239811

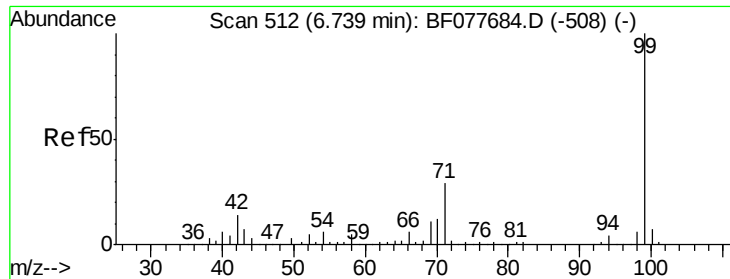
Ion Ratio Lower Upper

112 100

64 52.9 38.6 57.8

63 27.1 19.3 28.9





#7

Phenol-d6

Concen: 126.25 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

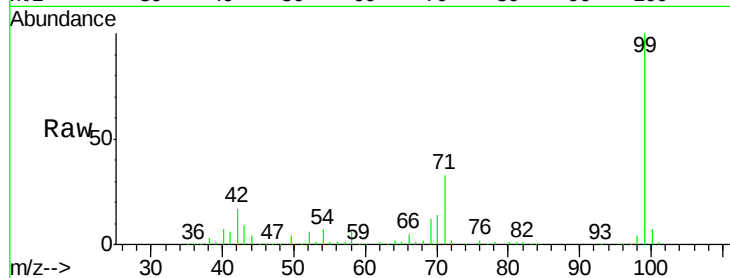
Tgt Ion: 99 Resp: 294975

Ion Ratio Lower Upper

99 100

42 17.4 11.0 16.4#

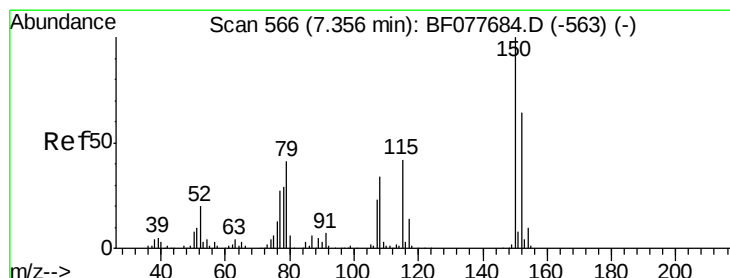
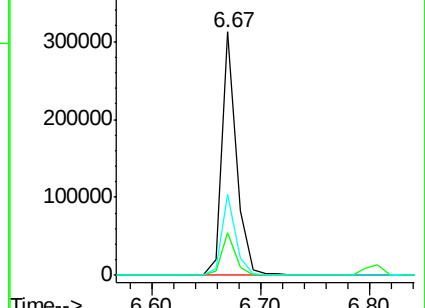
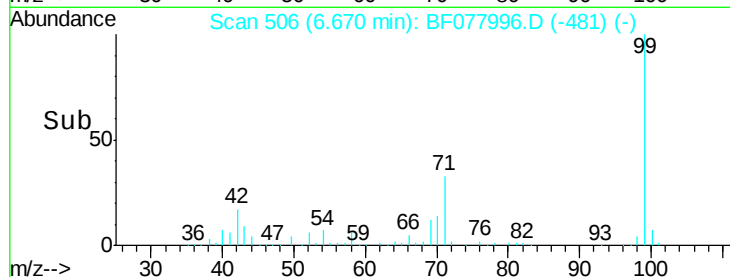
71 33.4 23.4 35.2



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



#15

Benzyl Alcohol

Concen: 4.81 ng m

RT: 7.29 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

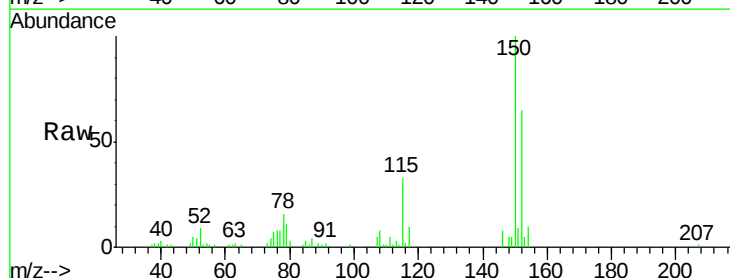
Tgt Ion: 79 Resp: 8766

Ion Ratio Lower Upper

79 100

108 69.5 65.0 97.4

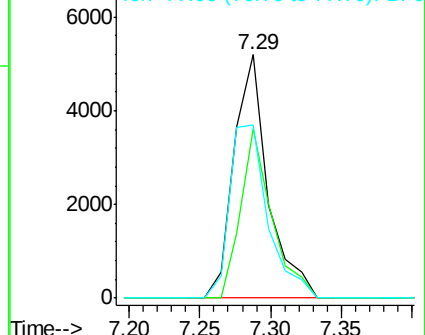
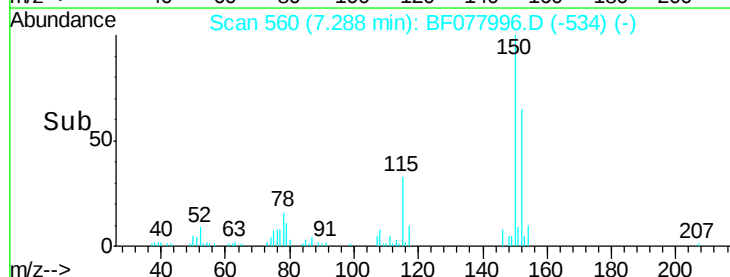
77 71.1 53.0 79.6

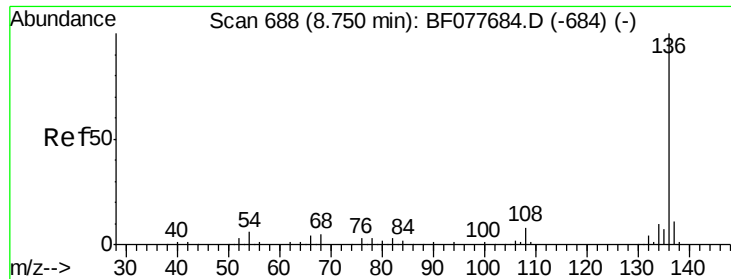


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

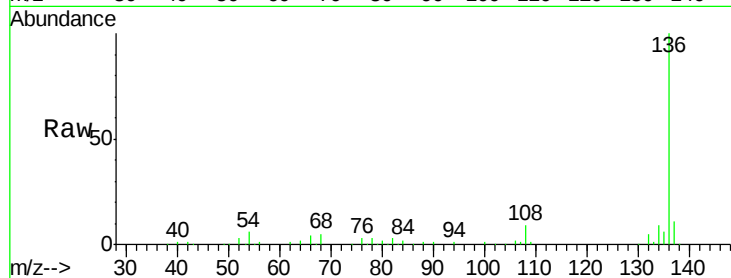




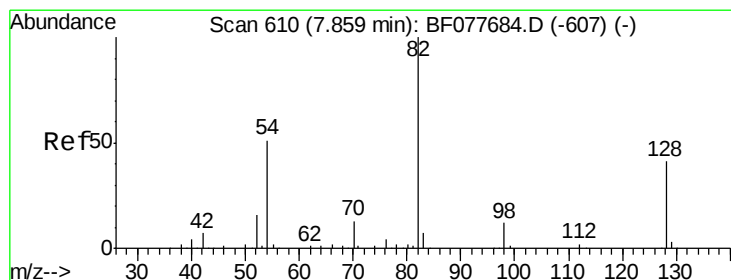
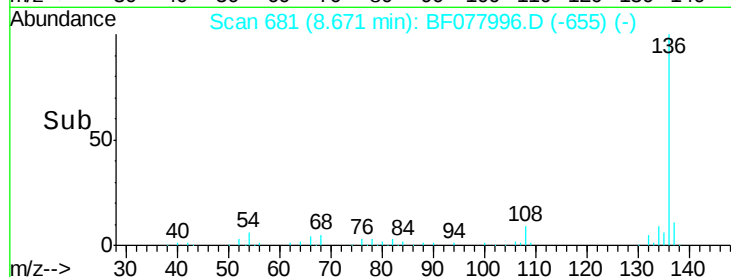
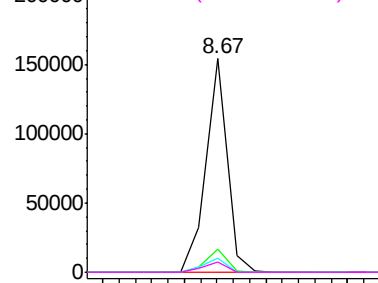
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.67 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF077996.D
Acq: 26 Mar 2015 15:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:	136	Resp:	137388
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.4	4.6	6.8
68	5.1	3.7	5.5

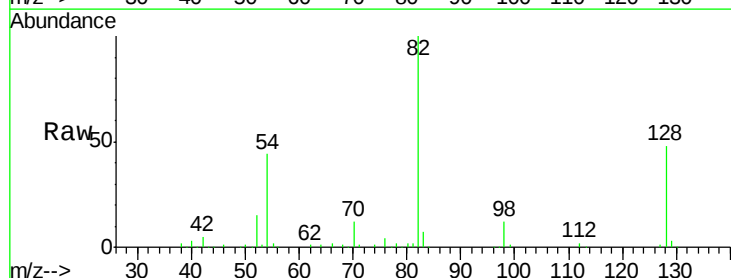


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

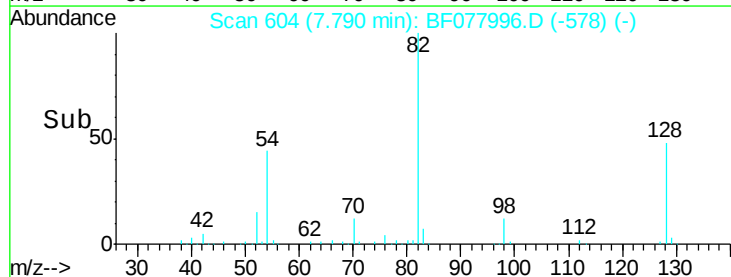
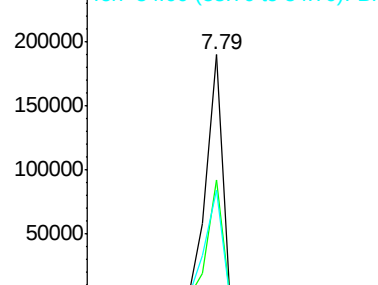


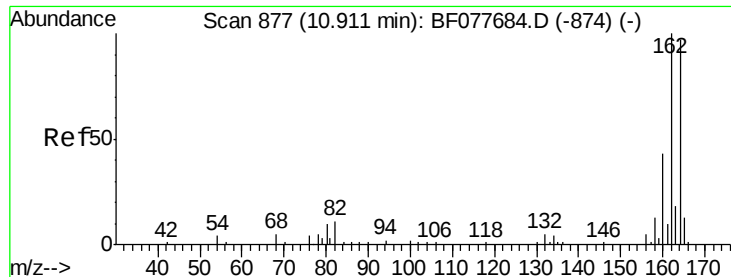
#23
Nitrobenzene-d5
Concen: 85.02 ng
RT: 7.79 min Scan# 604
Delta R.T. 0.00 min
Lab File: BF077996.D
Acq: 26 Mar 2015 15:39

Tgt Ion:	82	Resp:	178182
Ion	Ratio	Lower	Upper
82	100		
128	48.4	32.8	49.2
54	44.2	40.6	60.8



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.84 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

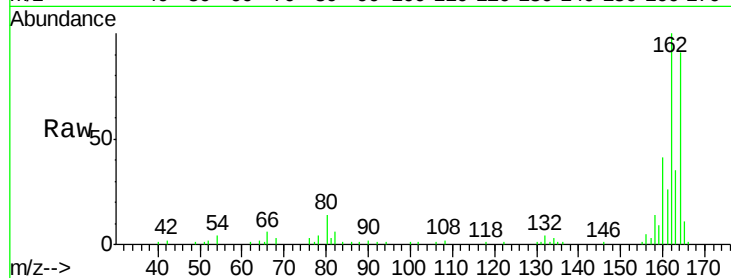
Tgt Ion:164 Resp: 69239

Ion Ratio Lower Upper

164 100

162 109.8 82.4 123.6

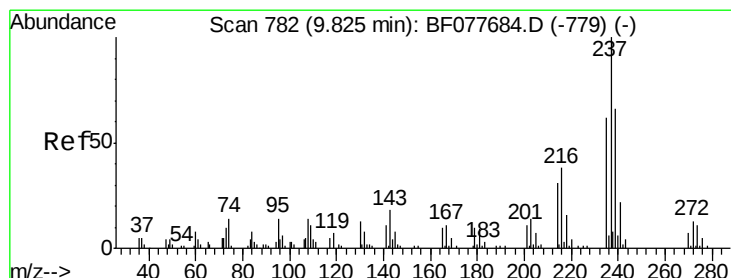
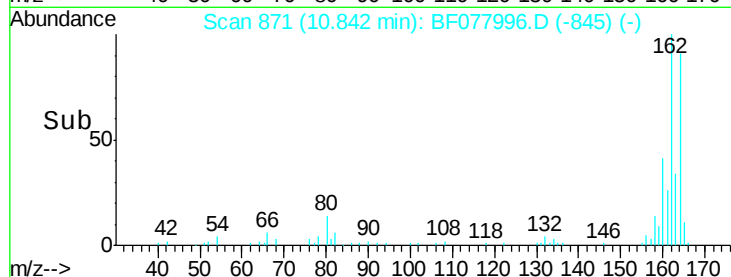
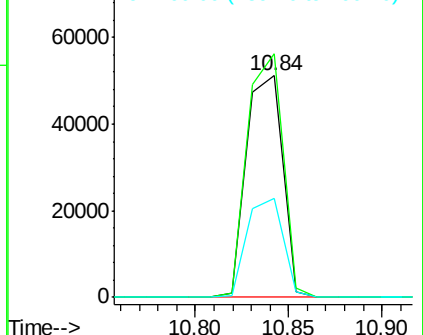
160 44.8 35.8 53.6



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



#40

Hexachlorocyclopentadiene

Concen: 4.03 ng

RT: 9.74 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

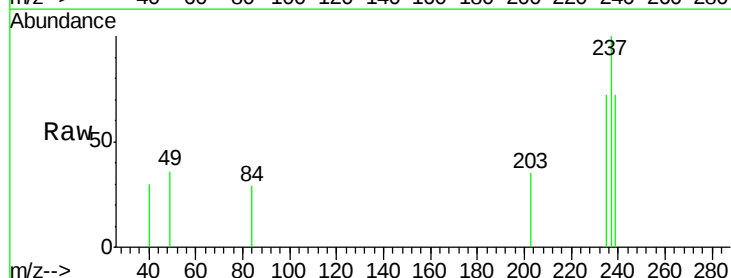
Tgt Ion:237 Resp: 927

Ion Ratio Lower Upper

237 100

235 72.1 42.0 82.0

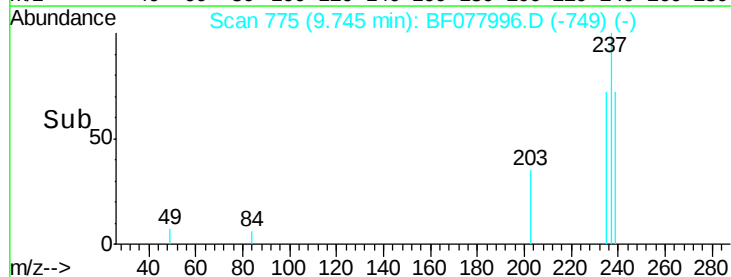
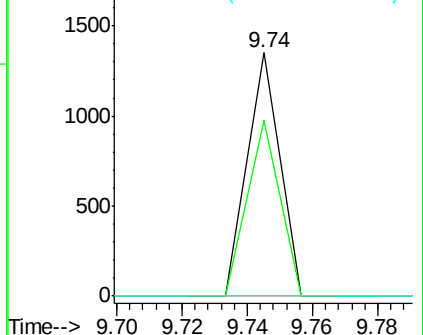
272 0.0 0.0 33.4

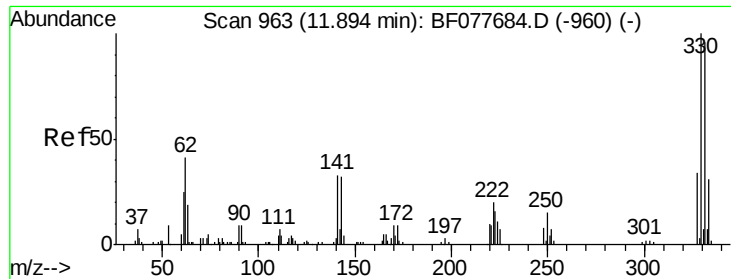


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

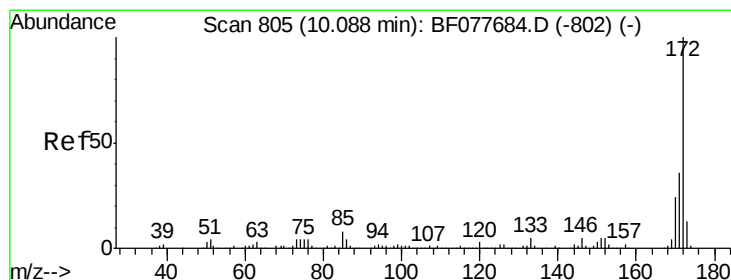
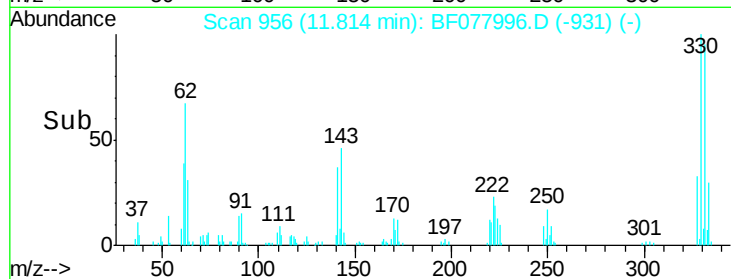
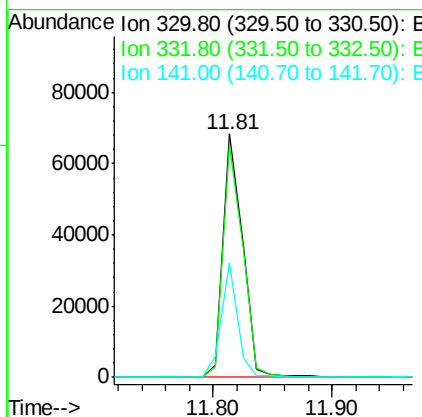
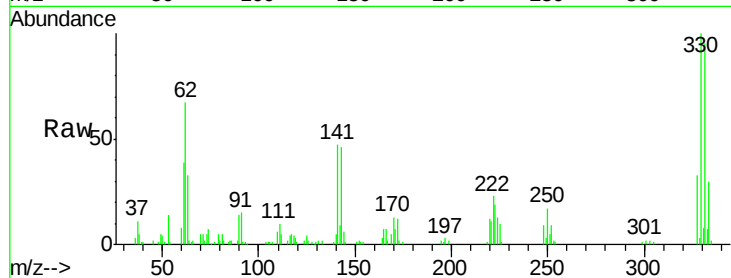




#41
 2,4,6-Tribromophenol
 Concen: 116.53 ng
 RT: 11.81 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF077996.D
 Acq: 26 Mar 2015 15:39

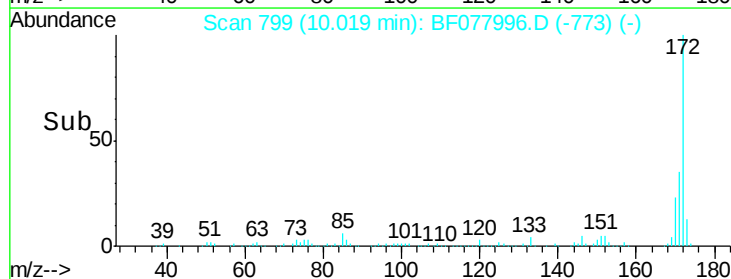
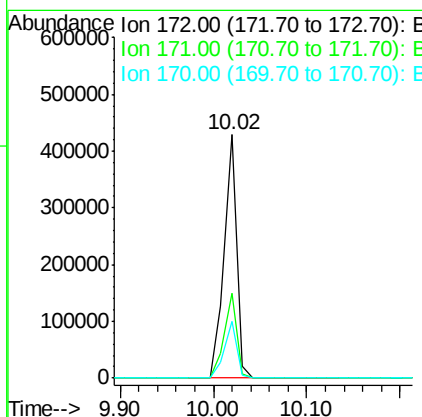
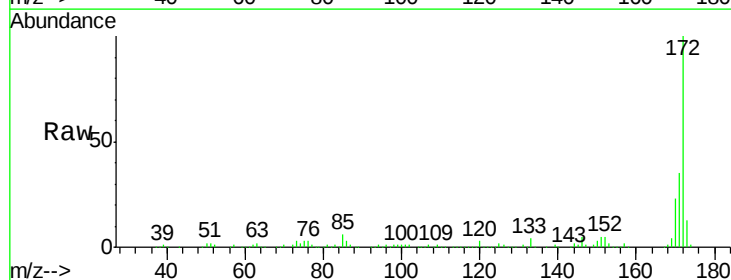
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 LOD-SOIL2015-01

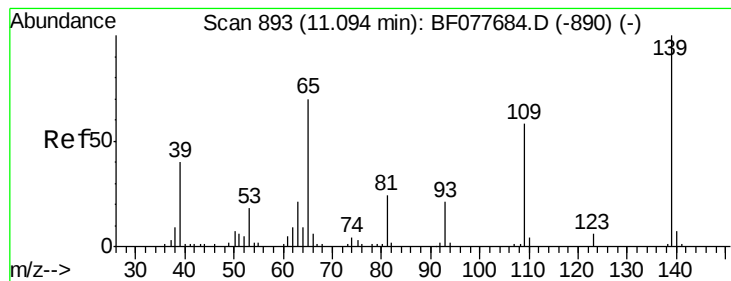
Tgt Ion:330 Resp: 77197
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 39.5 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 84.60 ng
 RT: 10.02 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF077996.D
 Acq: 26 Mar 2015 15:39

Tgt Ion:172 Resp: 398562
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 23.5 18.8 28.2





#55

4-Nitrophenol

Concen: 1.40 ng m

RT: 11.06 min Scan# 890

Delta R.T. 0.02 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

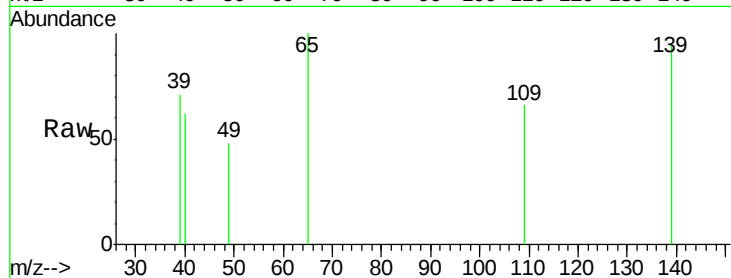
Tgt Ion:139 Resp: 1282

Ion Ratio Lower Upper

139 100

109 70.0 37.7 77.7

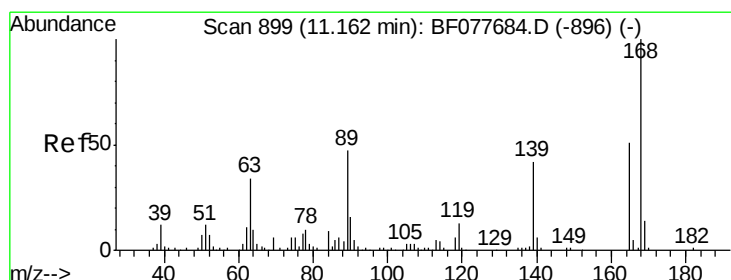
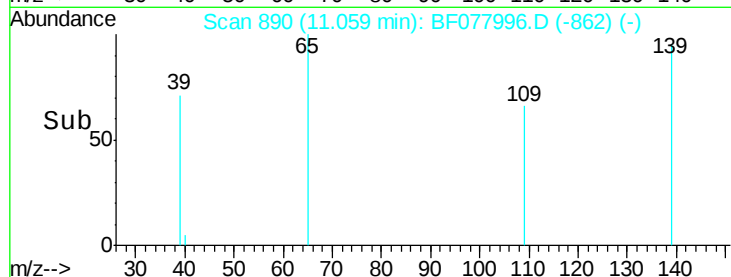
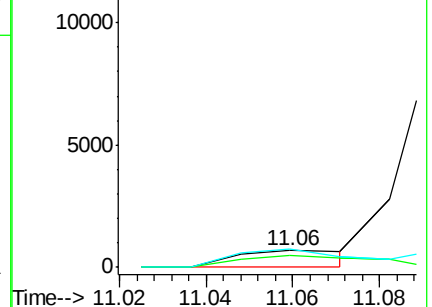
65 105.8 49.9 89.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 2.91 ng m

RT: 11.09 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF077996.D

Acq: 26 Mar 2015 15:39

Tgt Ion:165 Resp: 4039

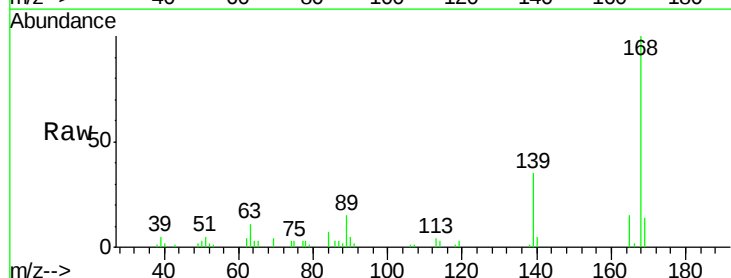
Ion Ratio Lower Upper

165 100

63 71.1 52.4 78.6

89 102.0 72.4 108.6

182 0.0 2.0 3.0#

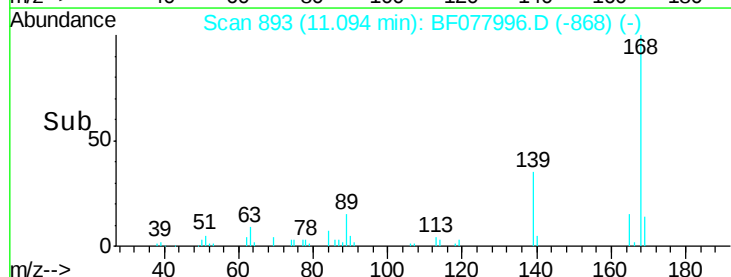
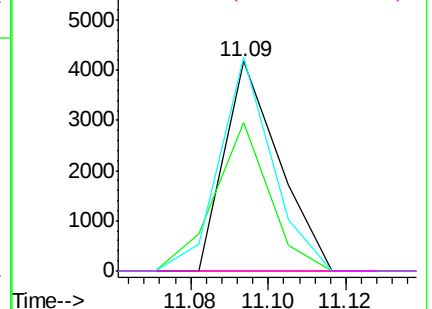


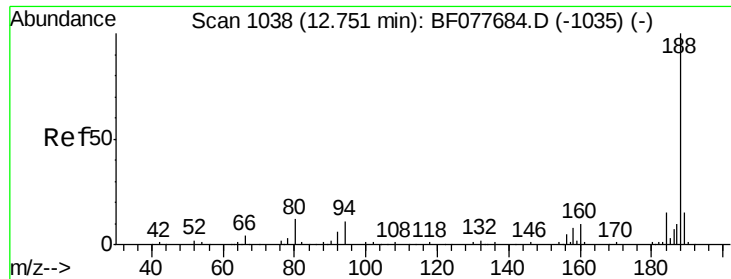
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

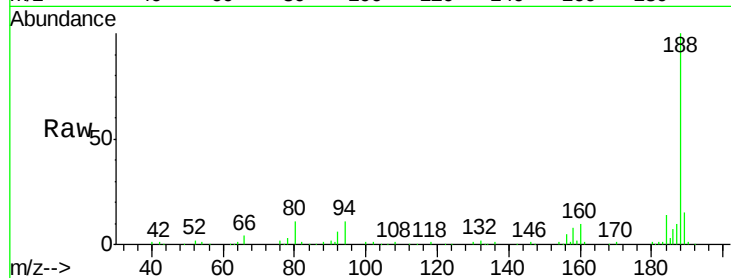




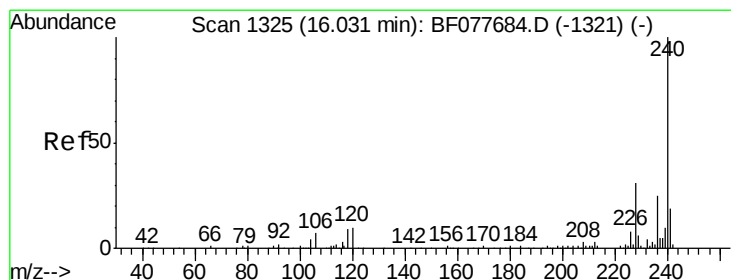
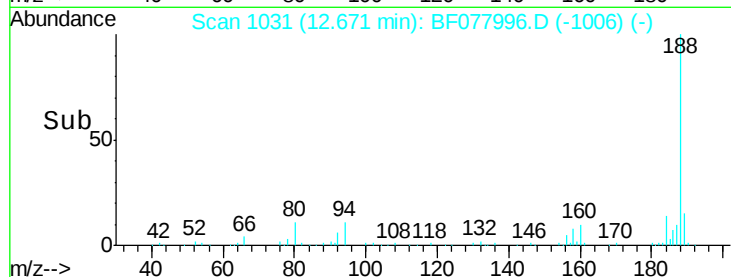
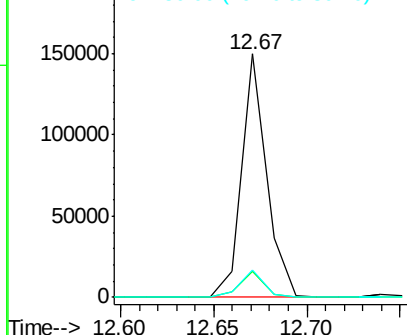
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF077996.D
Acq: 26 Mar 2015 15:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:188 Resp: 140286
Ion Ratio Lower Upper
188 100
94 10.7 8.7 13.1
80 11.1 9.3 13.9

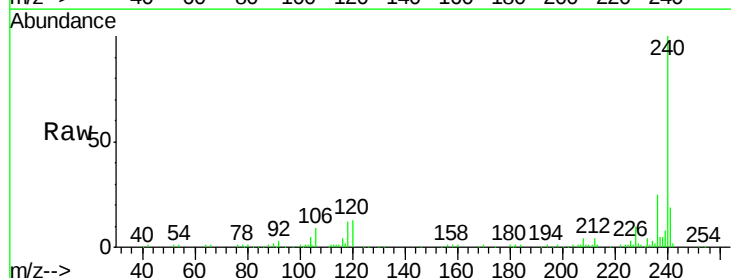


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

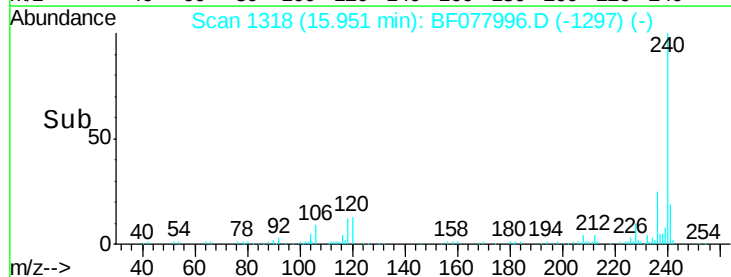
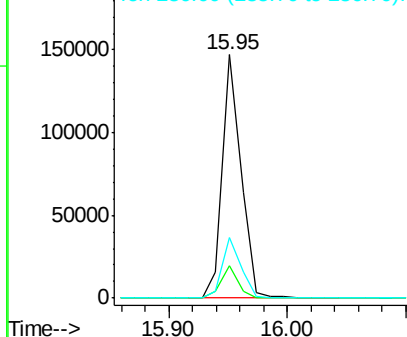


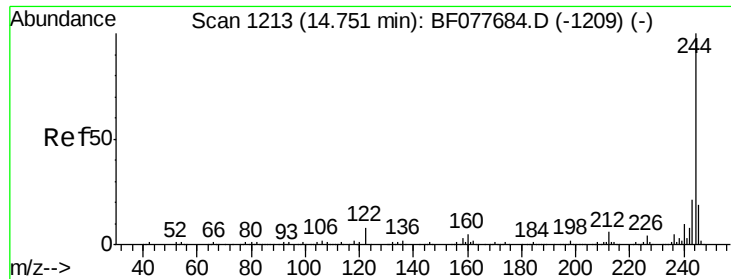
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.95 min Scan# 1318
Delta R.T. -0.06 min
Lab File: BF077996.D
Acq: 26 Mar 2015 15:39

Tgt Ion:240 Resp: 160038
Ion Ratio Lower Upper
240 100
120 13.5 8.2 12.2#
236 24.9 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

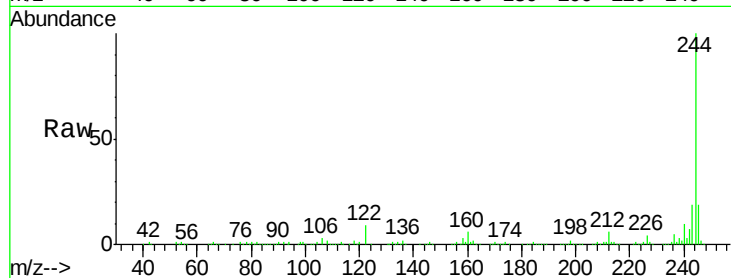




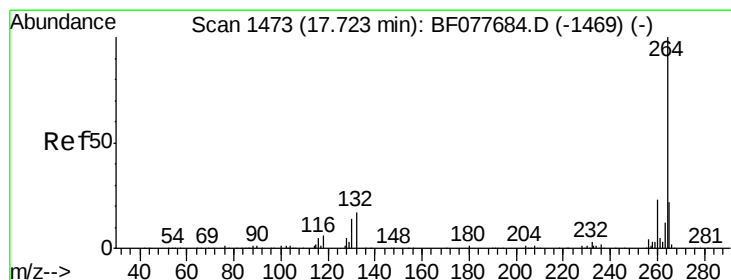
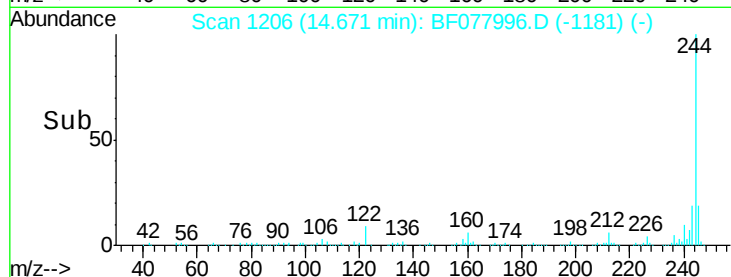
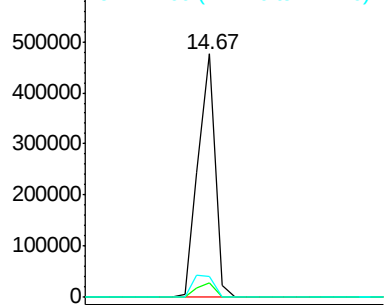
#78
 Terphenyl-d14
 Concen: 78.89 ng
 RT: 14.67 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF077996.D
 Acq: 26 Mar 2015 15:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:244 Resp: 516845
 Ion Ratio Lower Upper
 244 100
 212 6.1 4.9 7.3
 122 8.8 6.2 9.4

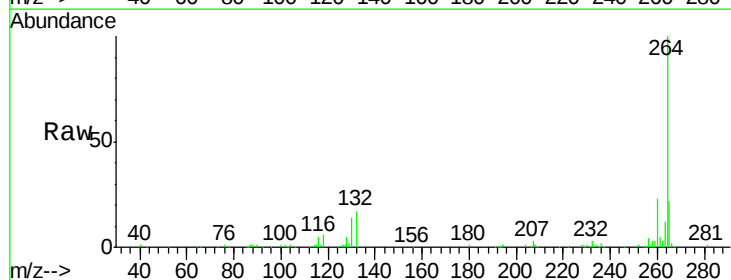


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.71 min Scan# 1472
 Delta R.T. -0.18 min
 Lab File: BF077996.D
 Acq: 26 Mar 2015 15:39

Tgt Ion:264 Resp: 144213
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.6 17.3 25.9



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

