

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF077995.D
 Acq On : 26 Mar 2015 15:10
 Operator : TP/IZ
 Sample : G1614-03
 Misc : LOD-SOIL-2PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Mar 27 11:44:53 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

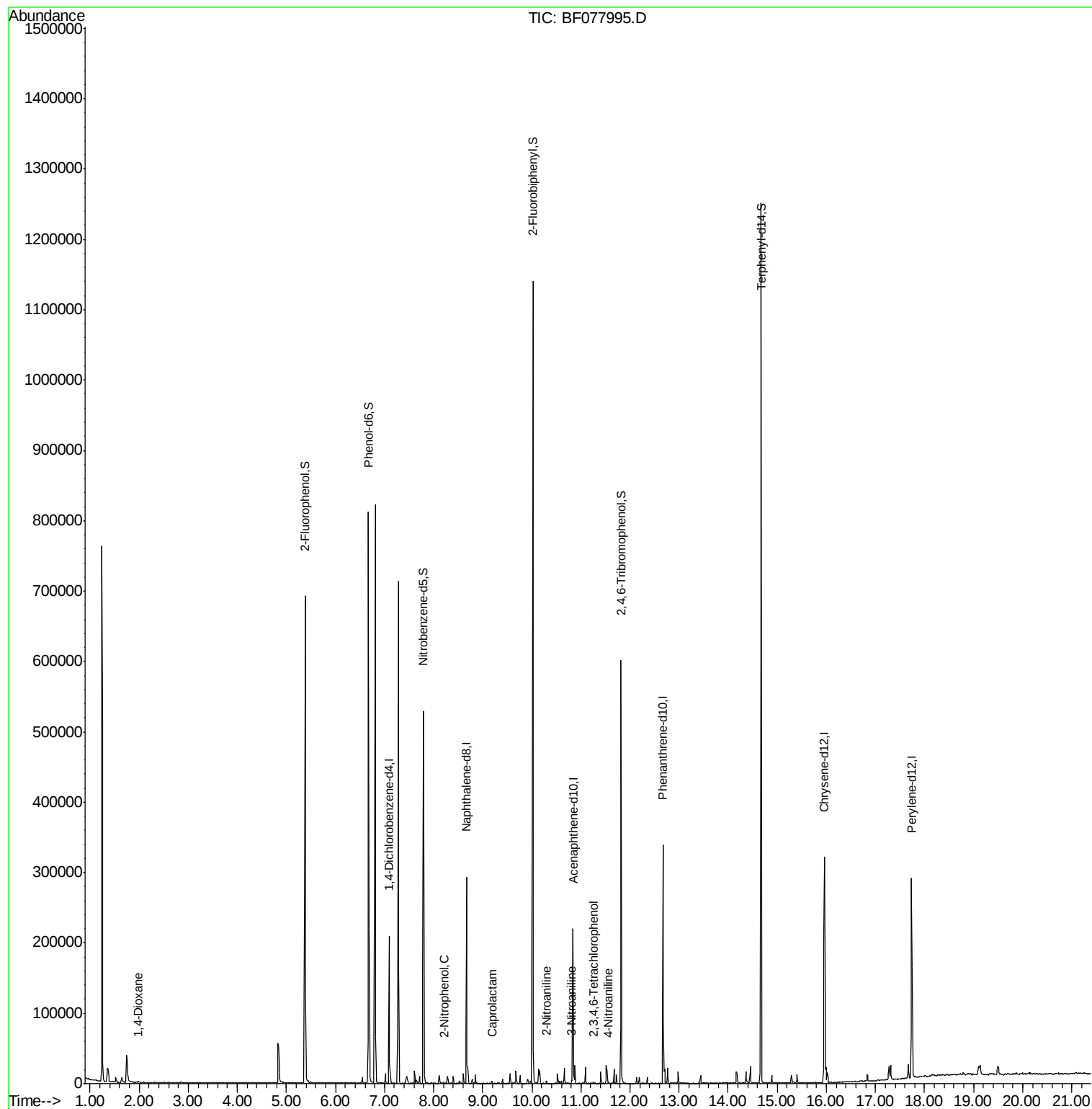
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	34018	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	140384	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	67959	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	136363	20.00	ng	-0.01
75) Chrysene-d12	15.96	240	148079	20.00	ng	-0.05
86) Perylene-d12	17.73	264	140489	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	239030	122.65	ng	0.00
7) Phenol-d6	6.67	99	287892	119.56	ng	-0.01
23) Nitrobenzene-d5	7.79	82	174925	81.68	ng	0.00
41) 2,4,6-Tribromophenol	11.81	330	71486	109.94	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	390383	84.42	ng	0.00
78) Terphenyl-d14	14.67	244	478962	79.01	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.98	88	716	0.81	ng	Qvalue # 100
26) 2-Nitrophenol	8.21	139	991	0.88	ng	# 79
35) Caprolactam	9.18	113	228	0.40	ng	87
47) 2-Nitroaniline	10.29	65	1060	0.97	ng	96
52) 3-Nitroaniline	10.81	138	1029	0.85	ng	# 82
58) 2,3,4,6-Tetrachlorophenol	11.25	232	874m	0.75	ng	
61) 4-Nitroaniline	11.56	138	736	0.61	ng	87

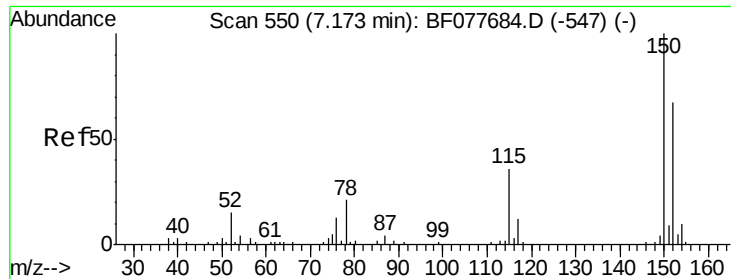
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 00:54:57 2015
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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: BF077995.D

Acq: 26 Mar 2015 15:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

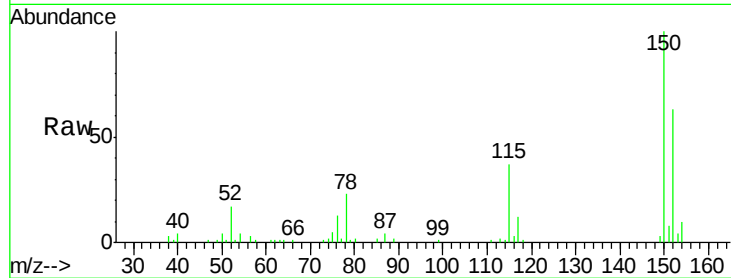
Tgt Ion:152 Resp: 34018

Ion Ratio Lower Upper

152 100

150 158.2 119.5 179.3

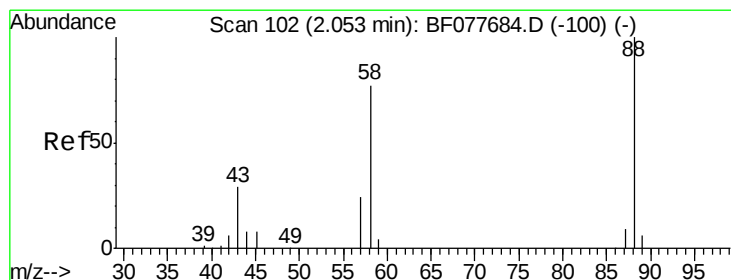
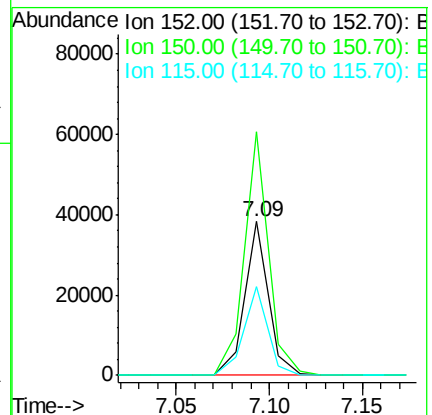
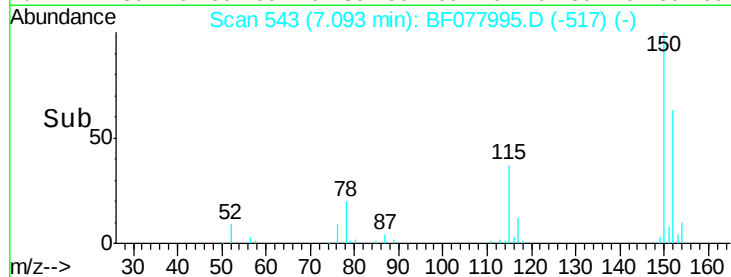
115 57.9 43.0 64.4



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



#2

1,4-Dioxane

Concen: 0.81 ng

RT: 1.98 min Scan# 96

Delta R.T. 0.05 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

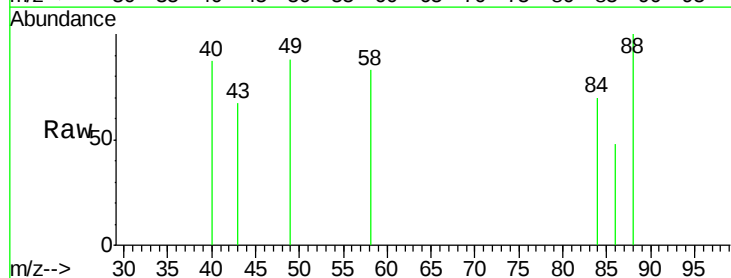
Tgt Ion: 88 Resp: 716

Ion Ratio Lower Upper

88 100

58 130.0 0.0 0.0#

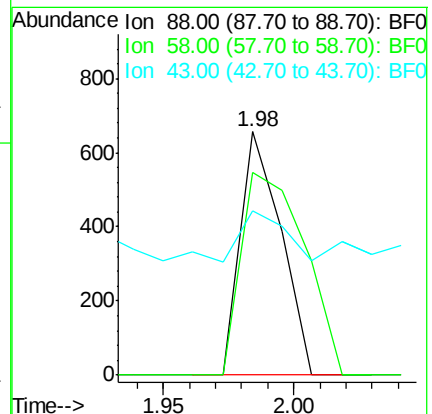
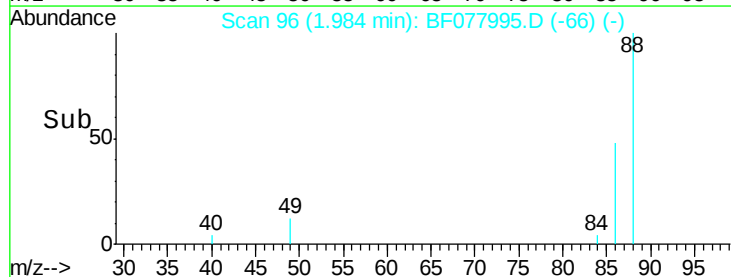
43 176.1 0.0 0.0#

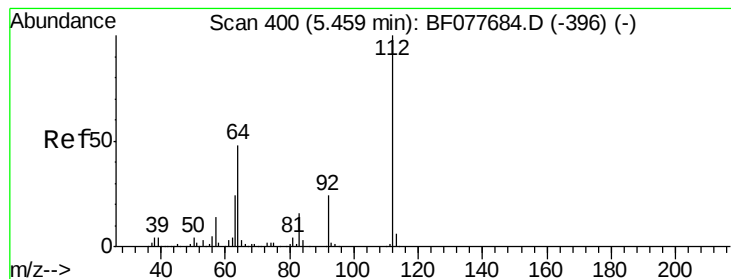


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 122.65 ng

RT: 5.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

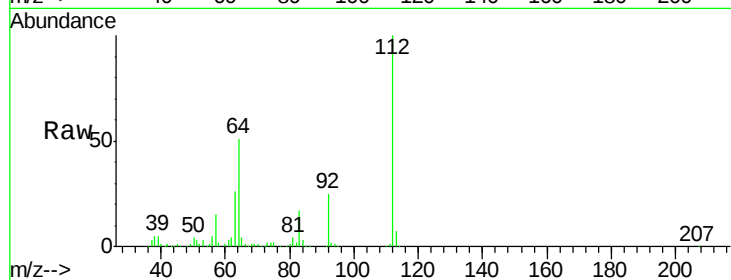
Tgt Ion: 112 Resp: 239030

Ion Ratio Lower Upper

112 100

64 51.5 38.6 57.8

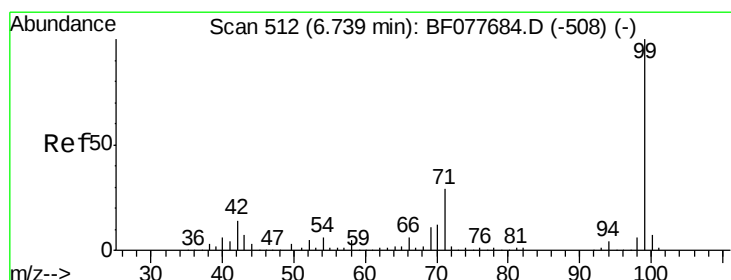
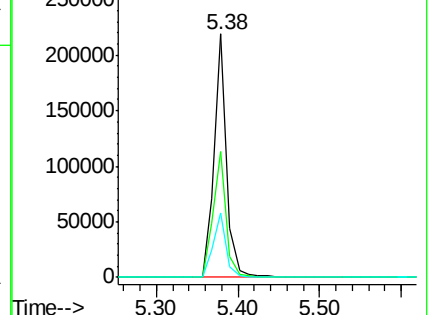
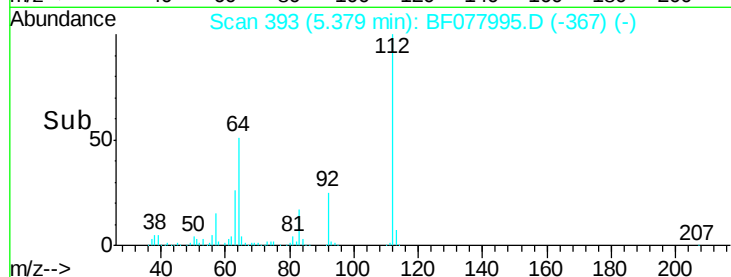
63 26.4 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): BF077684.D (-396) (-)

Ion 64.00 (63.70 to 64.70): BF077684.D (-396) (-)

Ion 63.00 (62.70 to 63.70): BF077684.D (-396) (-)



#7

Phenol-d6

Concen: 119.56 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

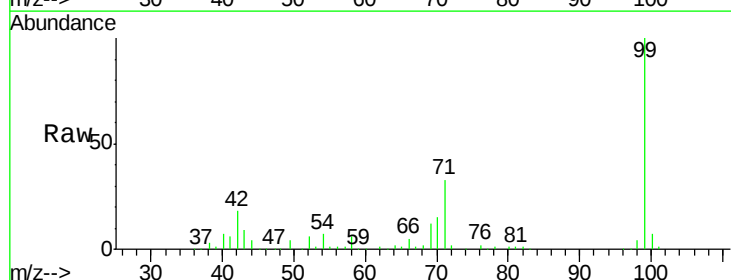
Tgt Ion: 99 Resp: 287892

Ion Ratio Lower Upper

99 100

42 17.8 11.0 16.4#

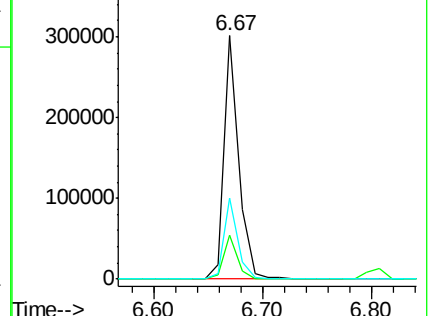
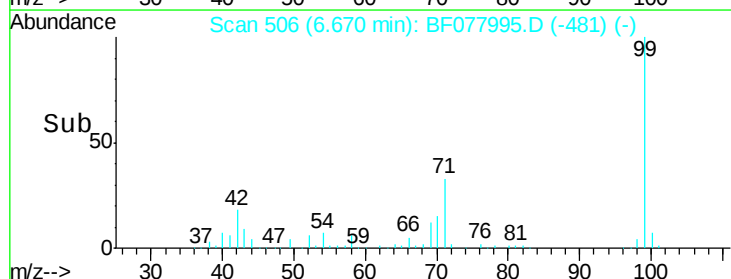
71 33.5 23.4 35.2

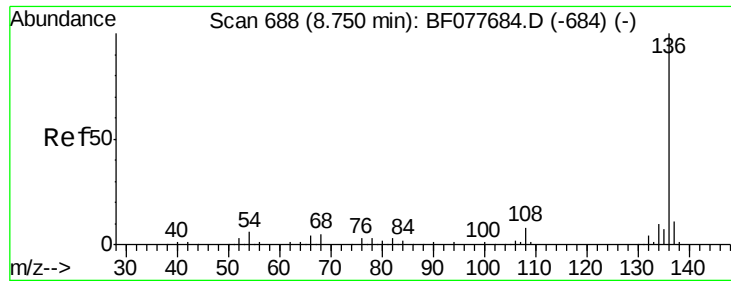


Abundance Ion 99.00 (98.70 to 99.70): BF077684.D (-508) (-)

Ion 42.00 (41.70 to 42.70): BF077684.D (-508) (-)

Ion 71.00 (70.70 to 71.70): BF077684.D (-508) (-)

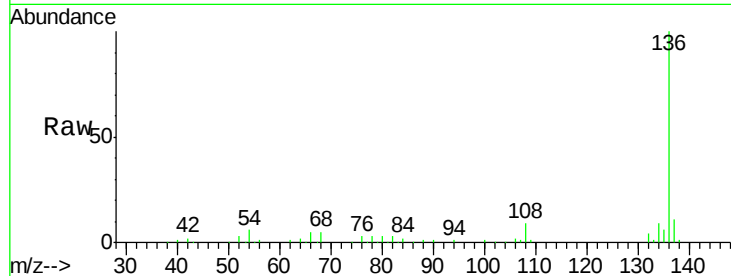




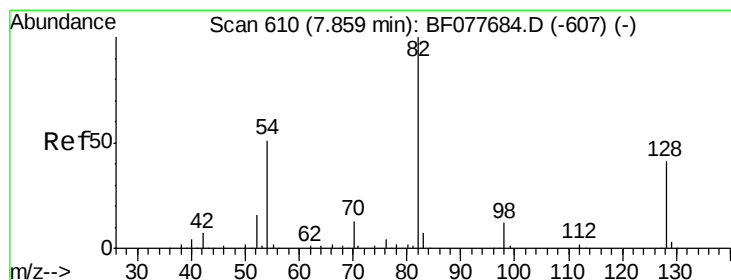
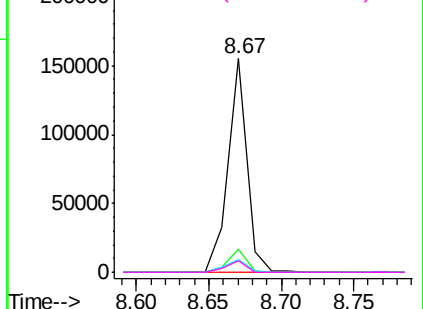
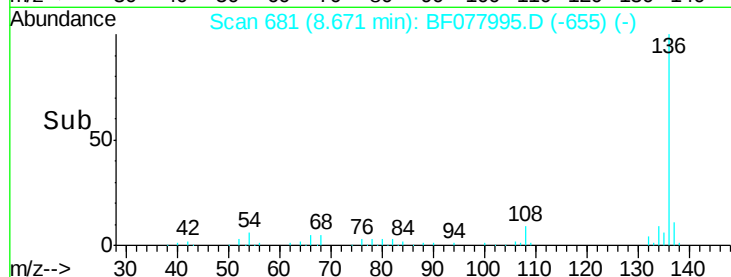
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.67 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 136 Resp: 140384
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.1 4.6 6.8
68 5.4 3.7 5.5

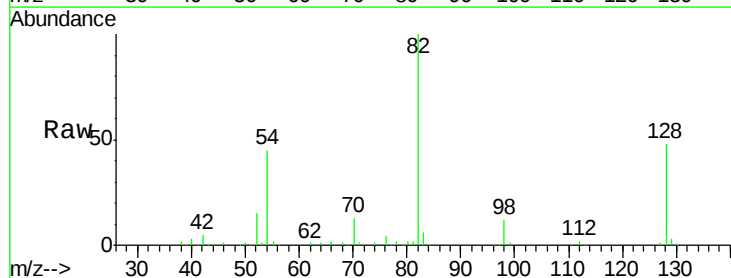


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

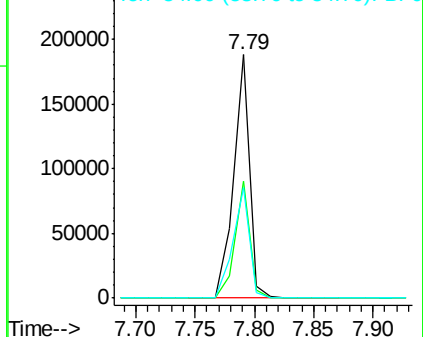
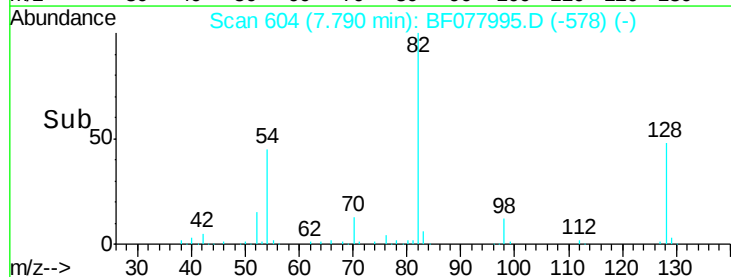


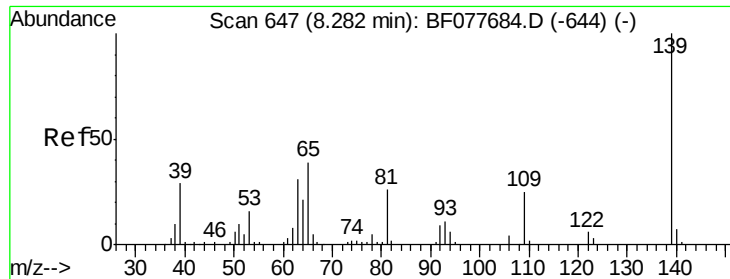
#23
Nitrobenzene-d5
Concen: 81.68 ng
RT: 7.79 min Scan# 604
Delta R.T. 0.00 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Tgt Ion: 82 Resp: 174925
Ion Ratio Lower Upper
82 100
128 47.8 32.8 49.2
54 45.4 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

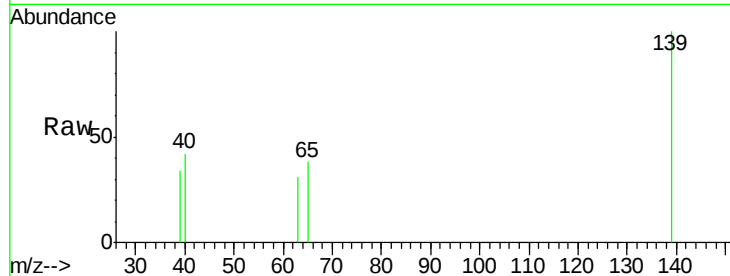




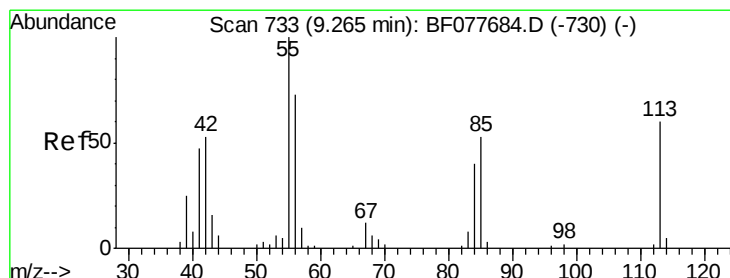
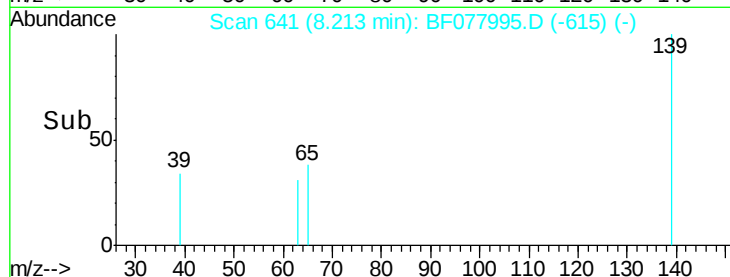
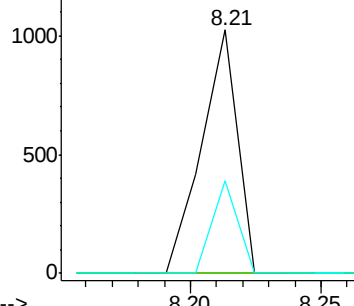
#26
 2-Nitrophenol
 Concen: 0.88 ng
 RT: 8.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:139 Resp: 991
 Ion Ratio Lower Upper
 139 100
 109 0.0 20.1 30.1#
 65 38.1 31.5 47.3

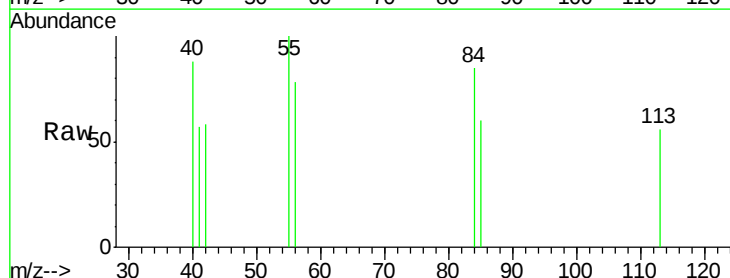


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

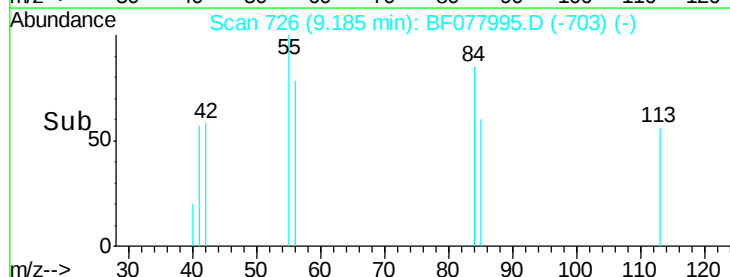
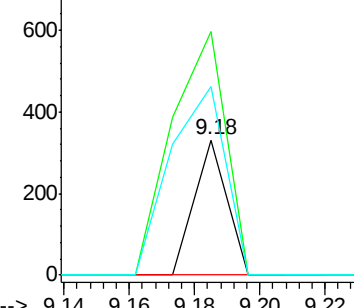


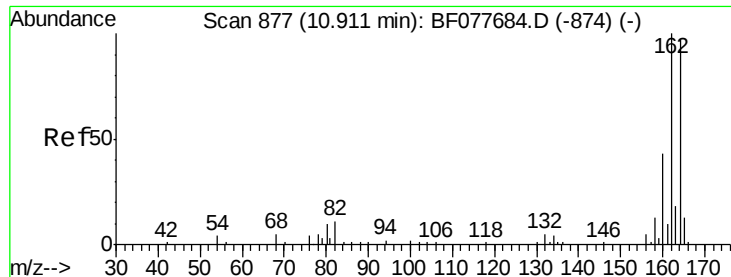
#35
 Caprolactam
 Concen: 0.40 ng
 RT: 9.18 min Scan# 726
 Delta R.T. -0.03 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Tgt Ion:113 Resp: 228
 Ion Ratio Lower Upper
 113 100
 55 179.8 145.9 185.9
 56 139.8 101.0 141.0



Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

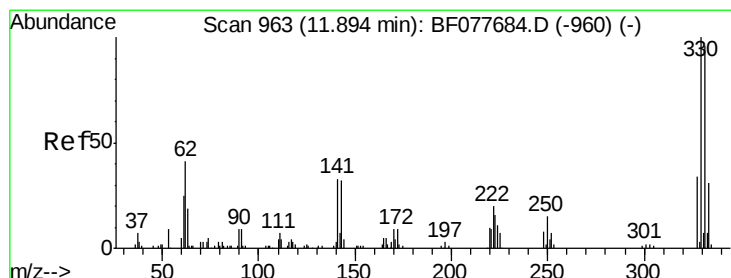
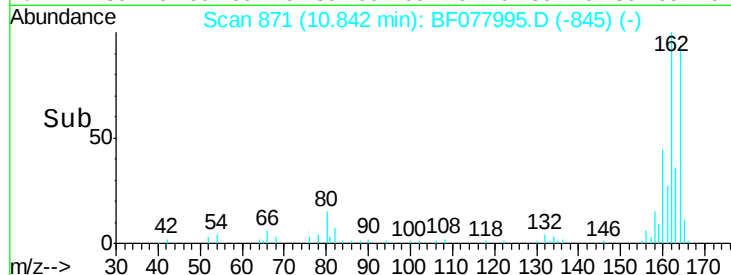
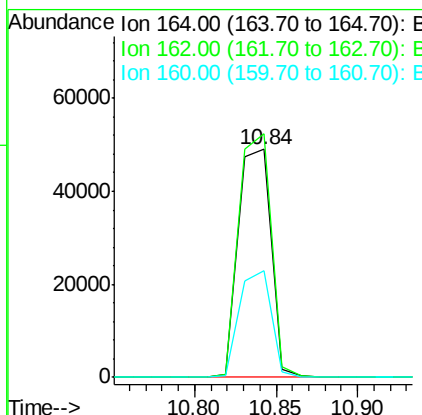
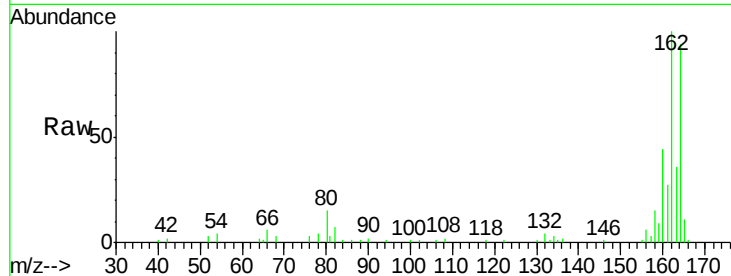




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.84 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

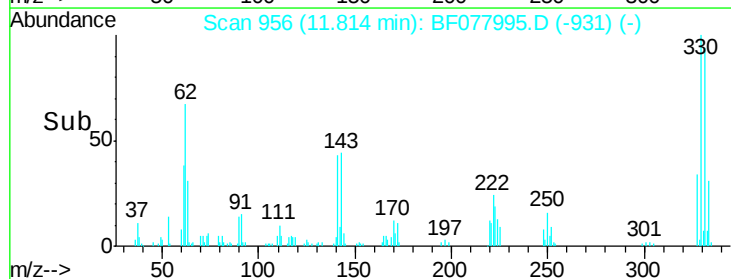
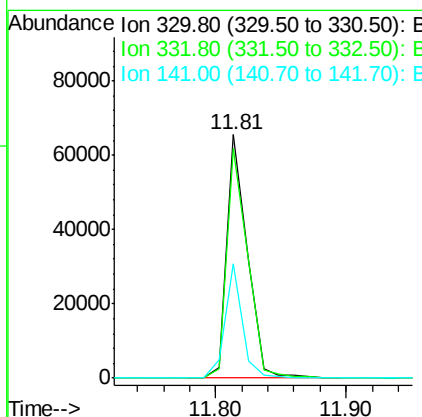
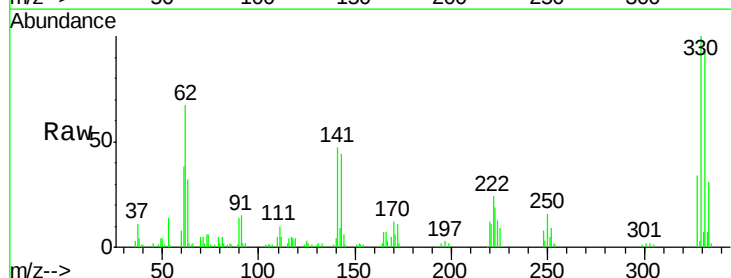
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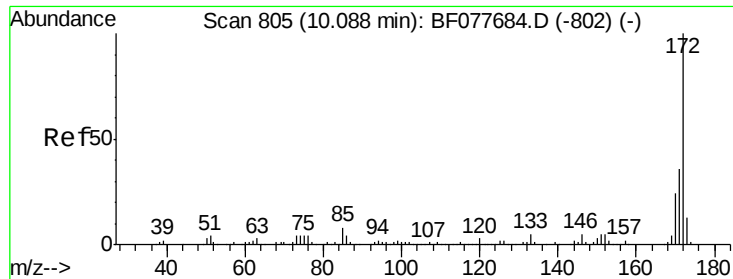
Tgt Ion:164 Resp: 67959
 Ion Ratio Lower Upper
 164 100
 162 106.8 82.4 123.6
 160 46.8 35.8 53.6



#41
 2,4,6-Tribromophenol
 Concen: 109.94 ng
 RT: 11.81 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Tgt Ion:330 Resp: 71486
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 39.4 0.0 0.0#

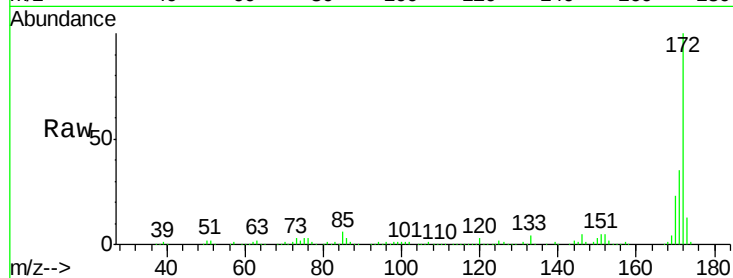




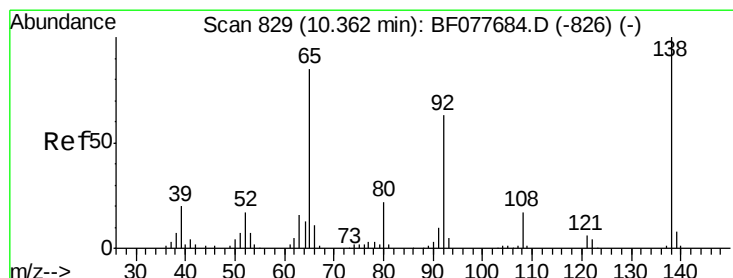
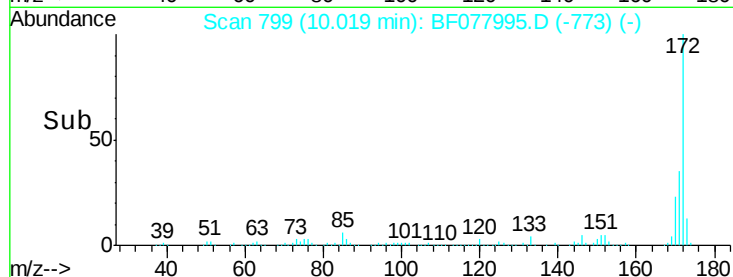
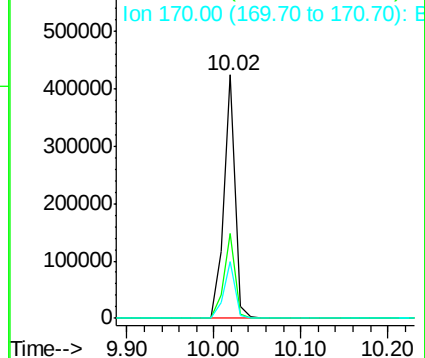
#44
 2-Fluorobiphenyl
 Concen: 84.42 ng
 RT: 10.02 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 172 Resp: 390383
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.4 18.8 28.2

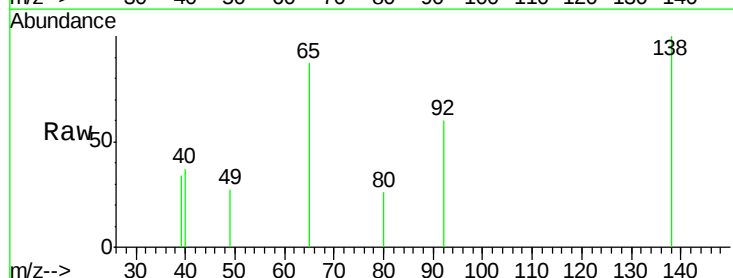


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

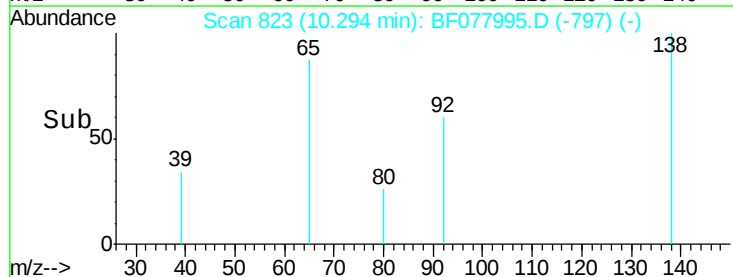
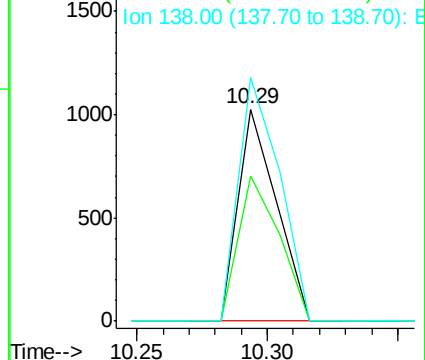


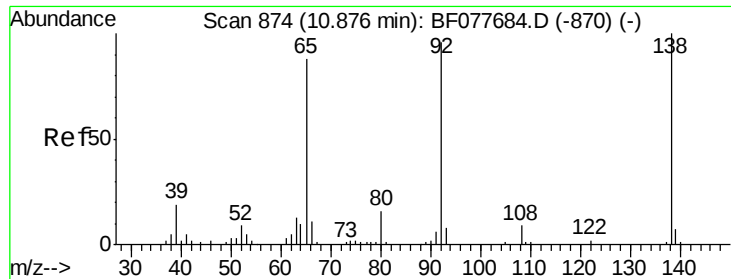
#47
 2-Nitroaniline
 Concen: 0.97 ng
 RT: 10.29 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Tgt Ion: 65 Resp: 1060
 Ion Ratio Lower Upper
 65 100
 92 68.5 59.1 88.7
 138 114.7 93.9 140.9



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#52

3-Nitroaniline

Concen: 0.85 ng

RT: 10.81 min Scan# 868

Delta R.T. 0.00 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

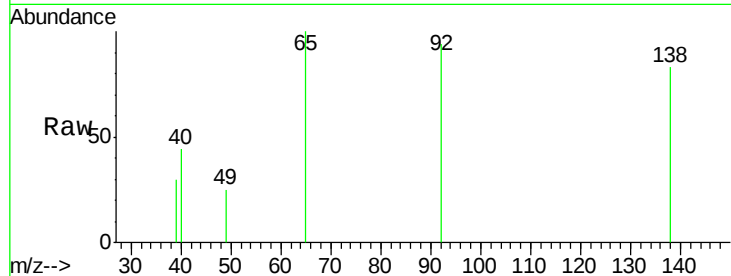
Tgt Ion:138 Resp: 1029

Ion Ratio Lower Upper

138 100

108 0.0 7.3 10.9#

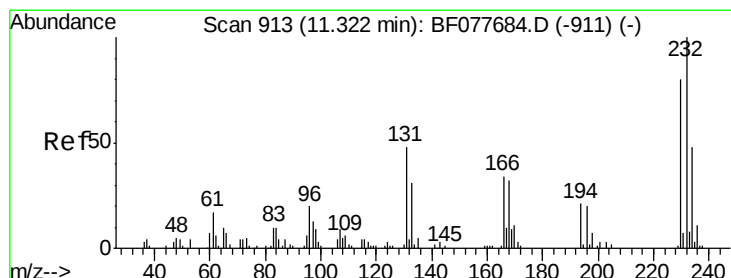
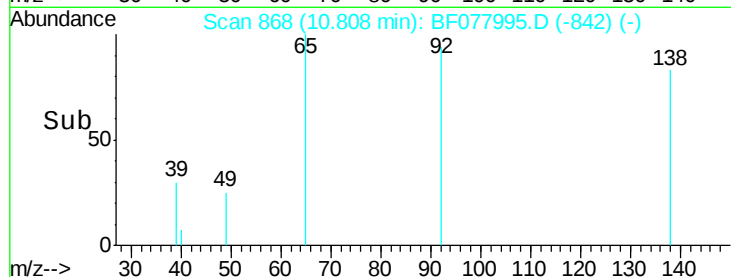
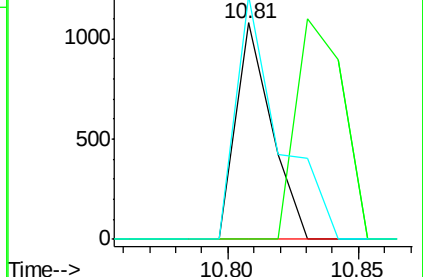
92 112.4 76.6 114.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.75 ng m

RT: 11.25 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF077995.D

Acq: 26 Mar 2015 15:10

Tgt Ion:232 Resp: 874

Ion Ratio Lower Upper

232 100

131 0.0 0.0 0.0

130 0.0 0.0 0.0

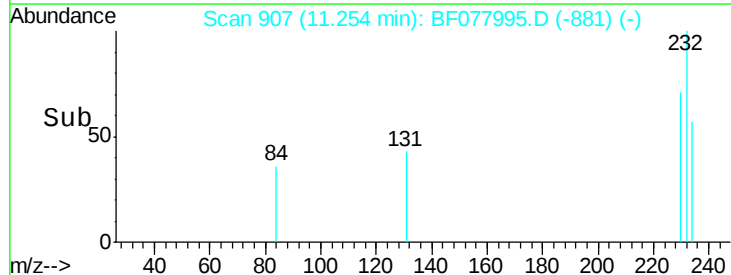
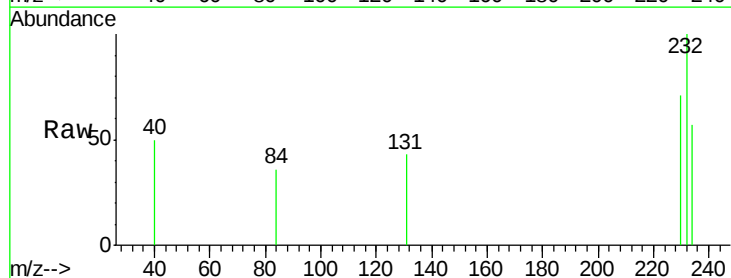
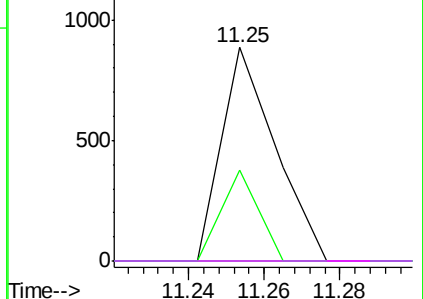
166 0.0 0.0 0.0

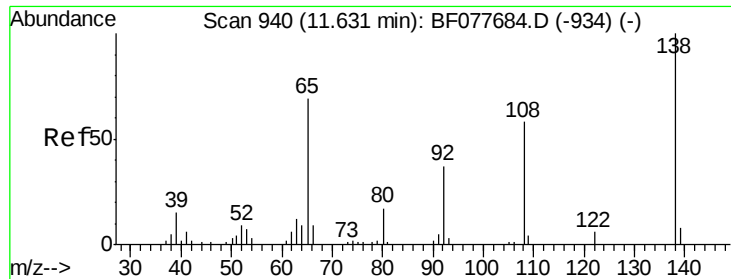
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

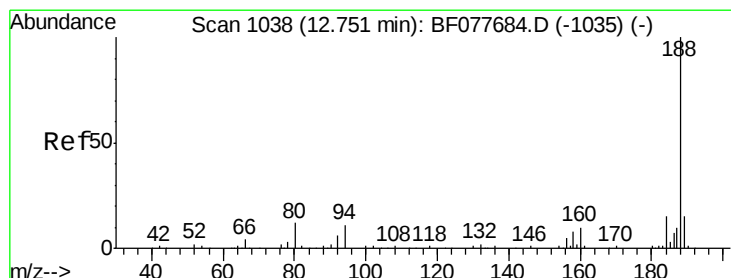
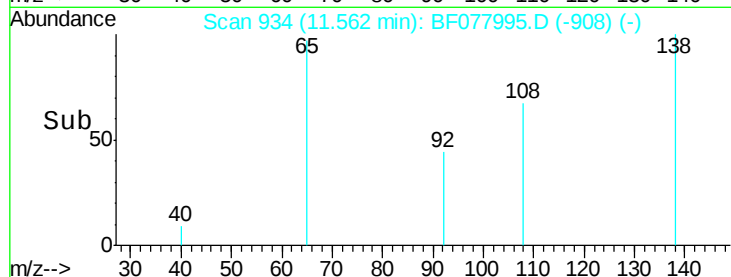
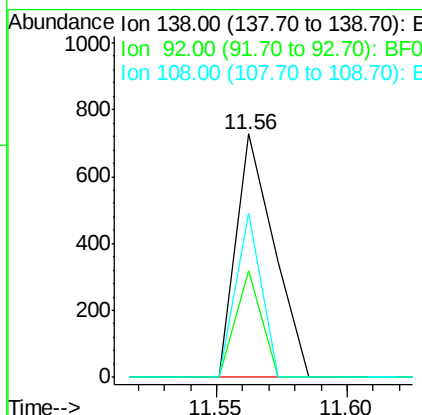
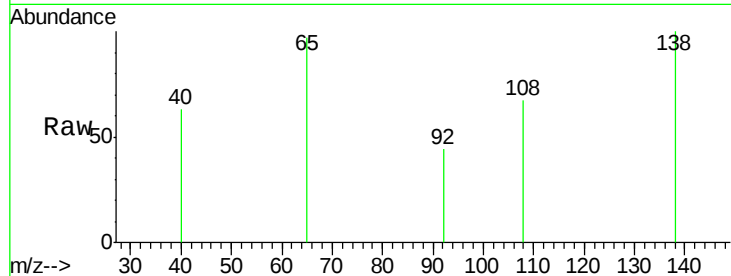




#61
 4-Nitroaniline
 Concen: 0.61 ng
 RT: 11.56 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

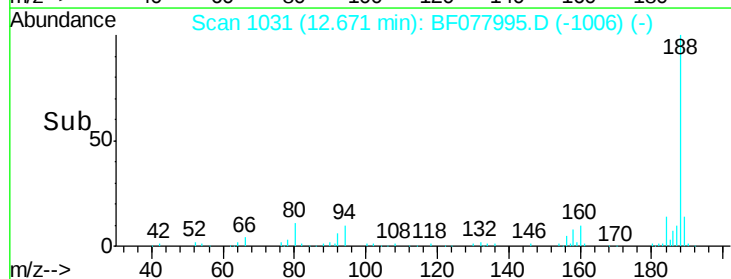
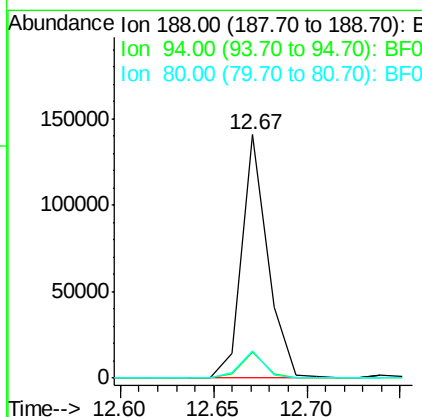
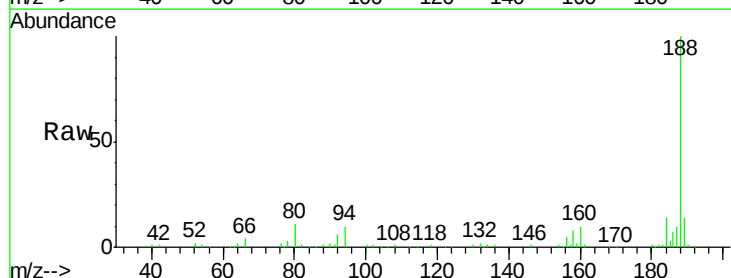
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

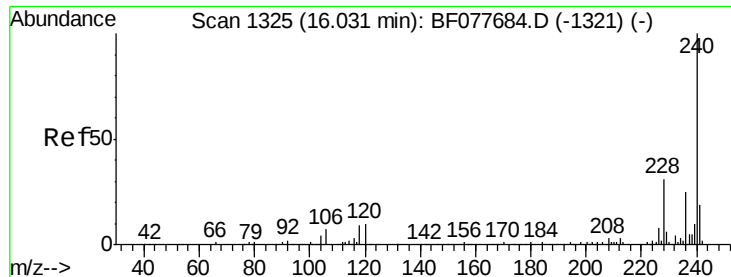
Tgt Ion:138 Resp: 736
 Ion Ratio Lower Upper
 138 100
 92 43.5 16.7 56.7
 108 67.4 37.6 77.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.67 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF077995.D
 Acq: 26 Mar 2015 15:10

Tgt Ion:188 Resp: 136363
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.7 13.1
 80 11.1 9.3 13.9

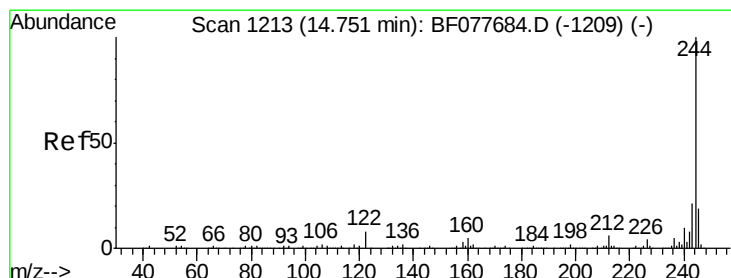
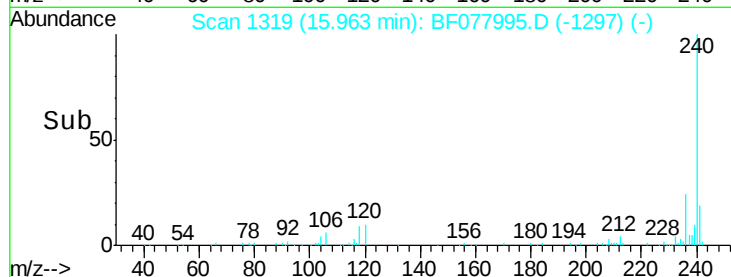
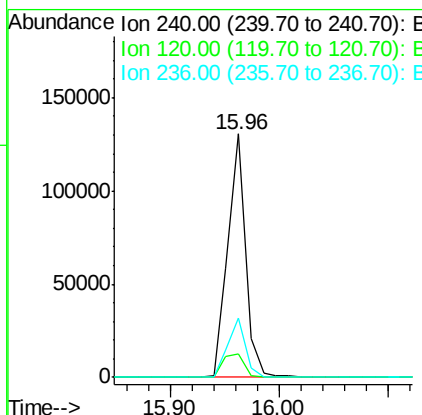
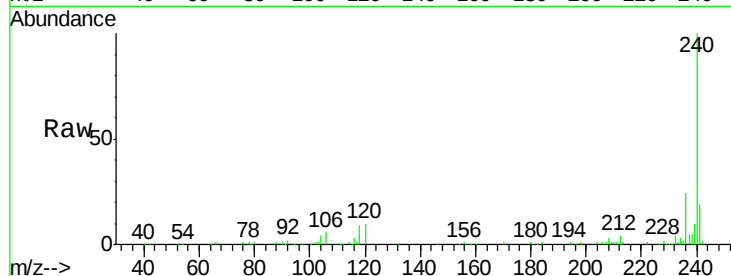




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.96 min Scan# 1319
Delta R.T. -0.05 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

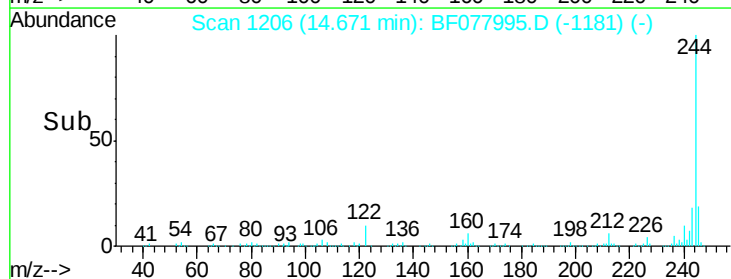
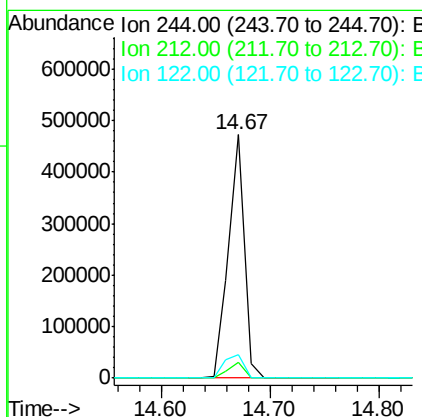
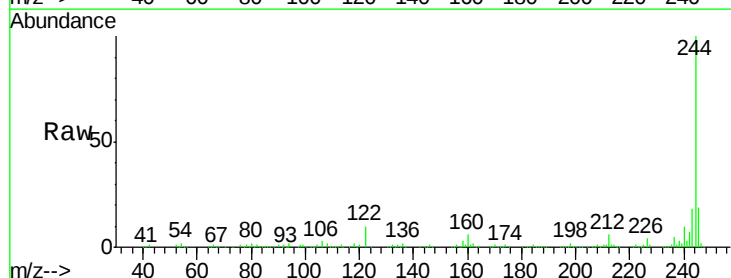
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

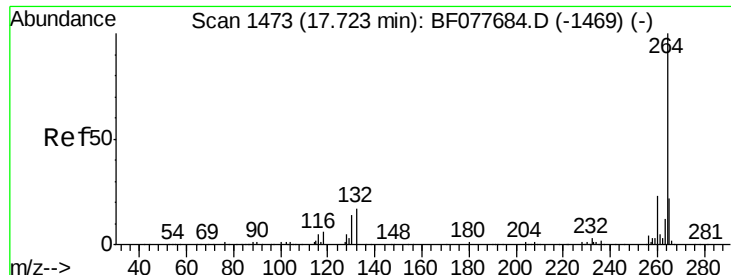
Tgt Ion: 240 Resp: 148079
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 24.4 20.0 30.0



#78
Terphenyl-d14
Concen: 79.01 ng
RT: 14.67 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Tgt Ion: 244 Resp: 478962
Ion Ratio Lower Upper
244 100
212 6.4 4.9 7.3
122 9.7 6.2 9.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 17.73 min Scan# 1474
Delta R.T. -0.16 min
Lab File: BF077995.D
Acq: 26 Mar 2015 15:10

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 264 Resp: 140489
Ion Ratio Lower Upper
264 100
260 24.1 18.6 27.8
265 21.8 17.3 25.9

