

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
 Data File : BF080073.D
 Acq On : 20 Jun 2015 1:12
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SVOC-SOIL-2PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jun 22 13:25:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 16:41:53 2015
 Response via : Initial Calibration

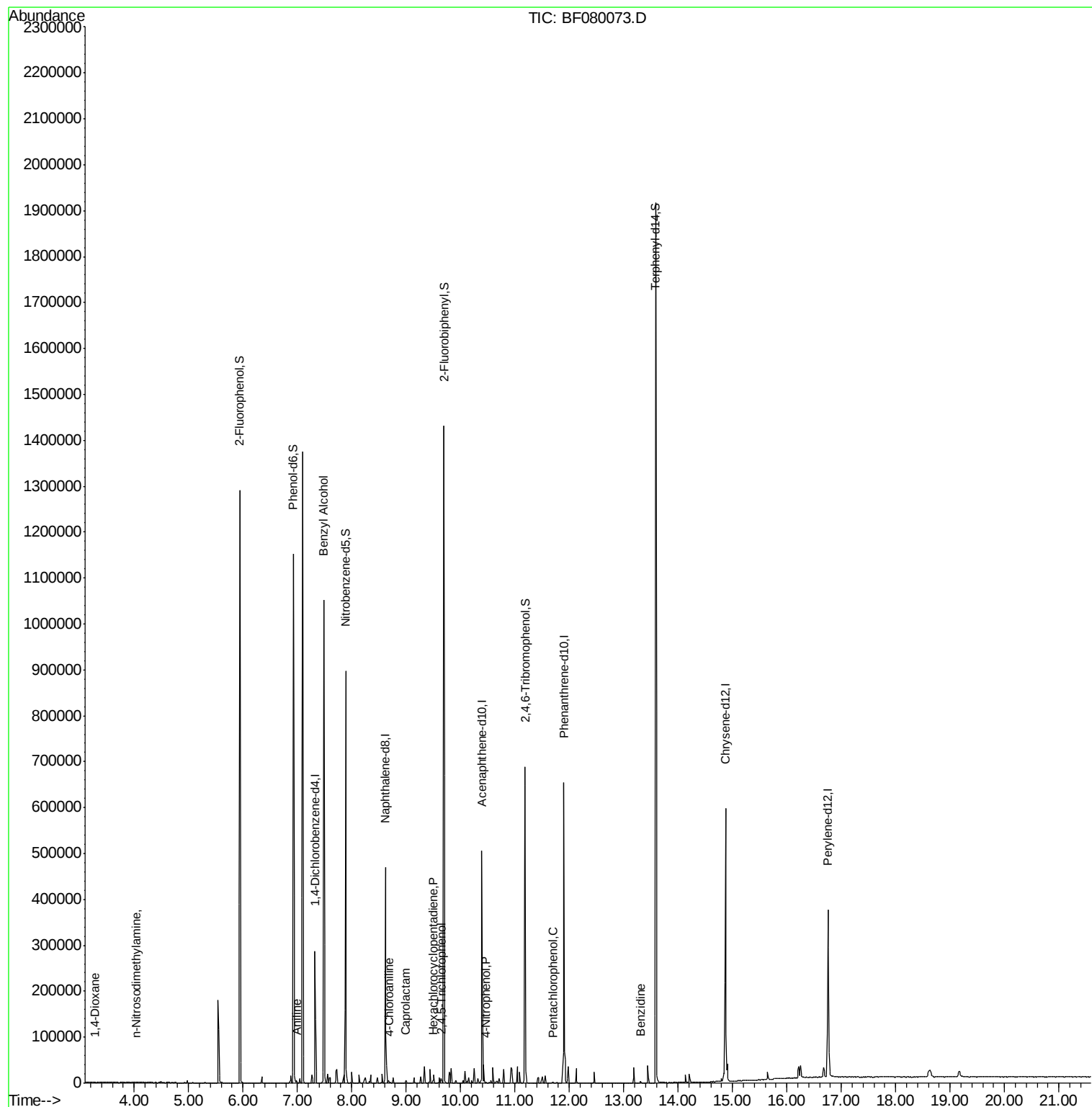
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	49084	20.00	ng	-0.01
21) Naphthalene-d8	8.62	136	198133	20.00	ng	-0.01
38) Acenaphthene-d10	10.39	164	105656	20.00	ng	-0.01
63) Phenanthrene-d10	11.90	188	226647	20.00	ng	-0.01
75) Chrysene-d12	14.87	240	240353	20.00	ng	0.01
86) Perylene-d12	16.76	264	225263	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.94	112	345067	124.45	ng	0.00
7) Phenol-d6	6.93	99	399343	108.23	ng	-0.01
23) Nitrobenzene-d5	7.89	82	258209	75.87	ng	-0.01
41) 2,4,6-Tribromophenol	11.19	330	117729	113.95	ng	-0.01
44) 2-Fluorobiphenyl	9.69	172	505630	68.25	ng	-0.01
78) Terphenyl-d14	13.59	244	715117	69.49	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.27	88	1165	0.88	ng	# 91
4) n-Nitrosodimethylamine	4.04	42	1219	0.73	ng	# 75
6) Aniline	6.98	93	2268	0.45	ng	# 95
15) Benzyl Alcohol	7.49	79	6962	2.31	ng	# 36
33) 4-Chloroaniline	8.68	127	2687	0.61	ng	# 76
35) Caprolactam	9.00	113	407	0.48	ng	# 52
40) Hexachlorocyclopentadiene	9.50	237	732	6.67	ng	# 28
43) 2,4,5-Trichlorophenol	9.65	196	2401	1.00	ng	# 87
55) 4-Nitrophenol	10.47	139	780	0.53	ng	# 42
69) Pentachlorophenol	11.70	266	672	0.44	ng	90
76) Benzidine	13.30	184	3303	0.49	ng	95

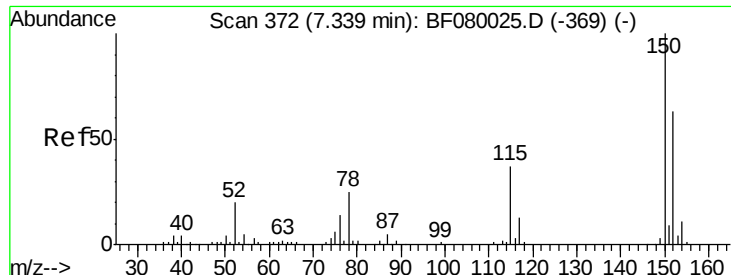
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

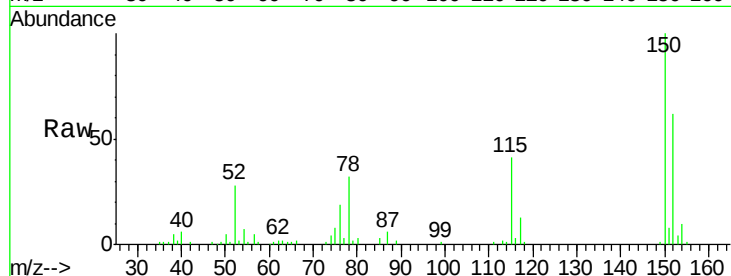
Tgt Ion:152 Resp: 49084

Ion Ratio Lower Upper

152 100

150 161.8 124.7 187.1

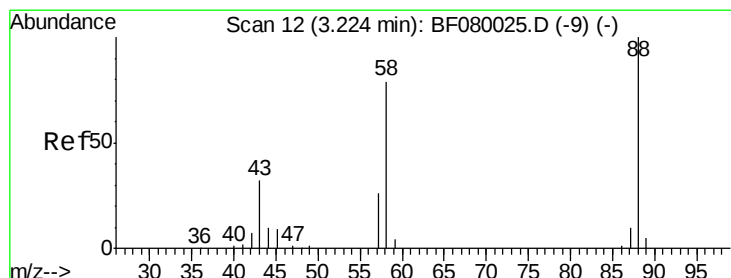
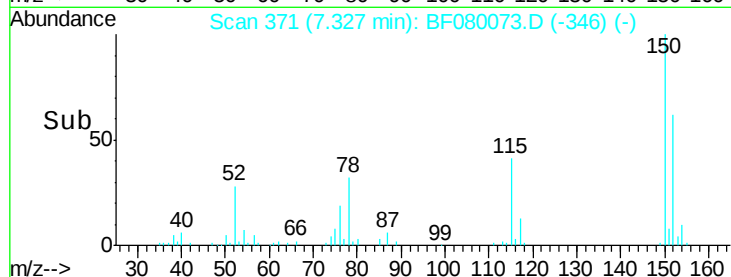
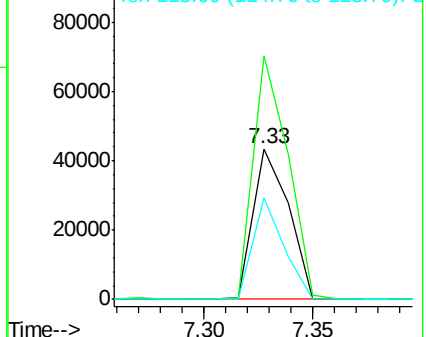
115 67.1 39.0 58.4#



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: 0.88 ng

RT: 3.27 min Scan# 16

Delta R.T. 0.05 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

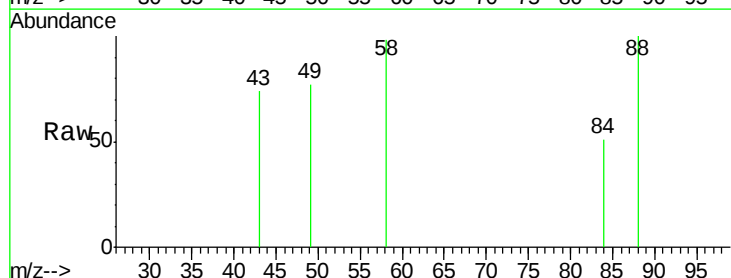
Tgt Ion: 88 Resp: 1165

Ion Ratio Lower Upper

88 100

58 100.5 77.7 116.5

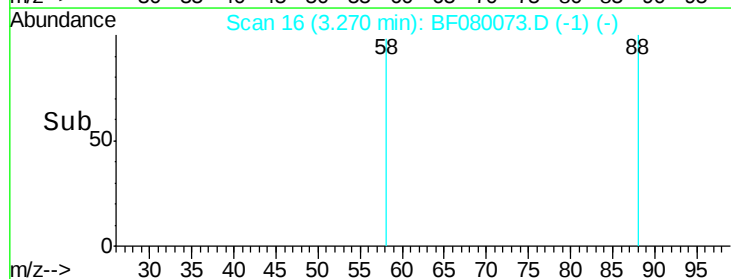
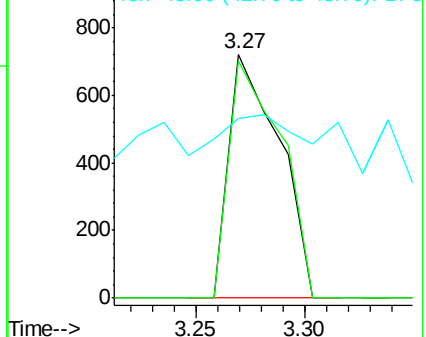
43 47.1 26.6 40.0#

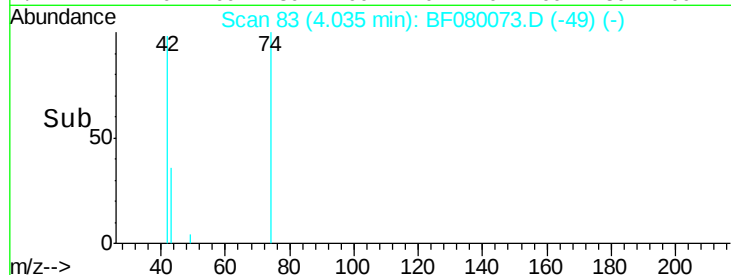
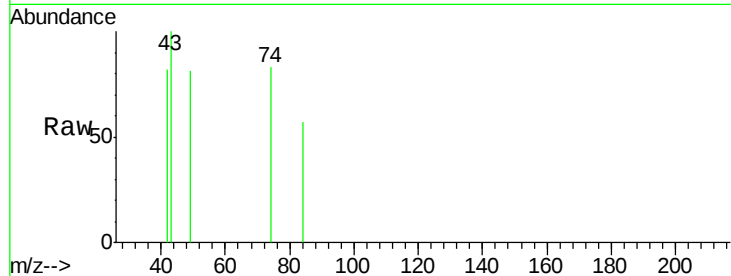
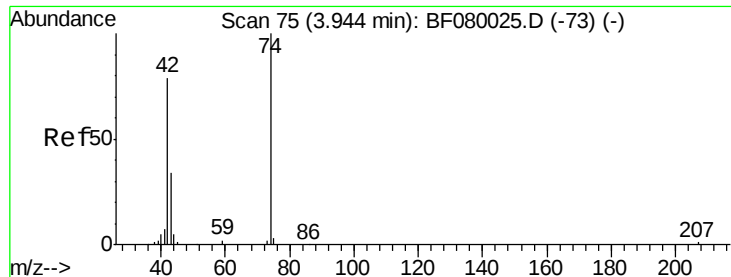


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.73 ng

RT: 4.04 min Scan# 83

Delta R.T. 0.09 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

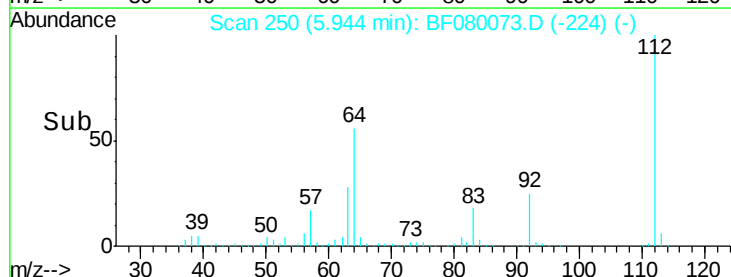
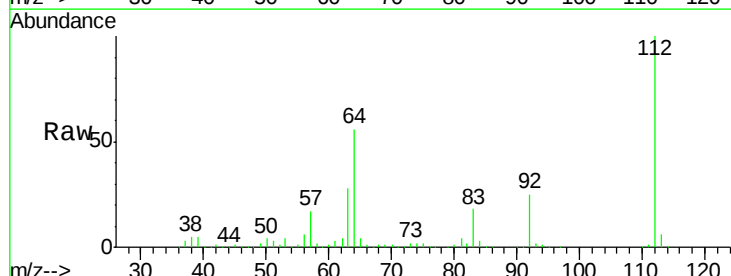
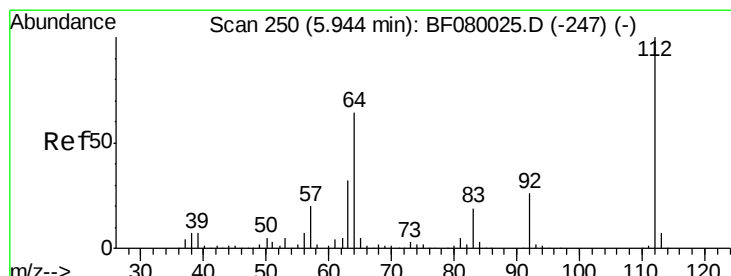
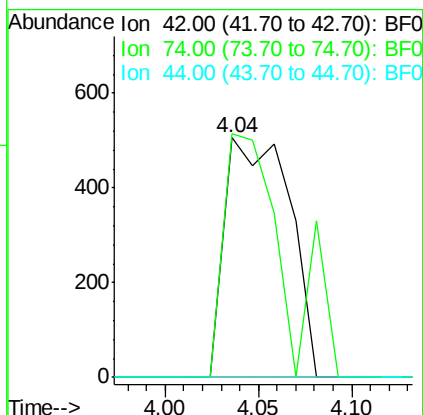
Tgt Ion: 42 Resp: 1219

Ion Ratio Lower Upper

42 100

74 101.6 105.0 157.6#

44 0.0 6.6 10.0#



#5

2-Fluorophenol

Concen: 124.45 ng

RT: 5.94 min Scan# 250

Delta R.T. 0.00 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

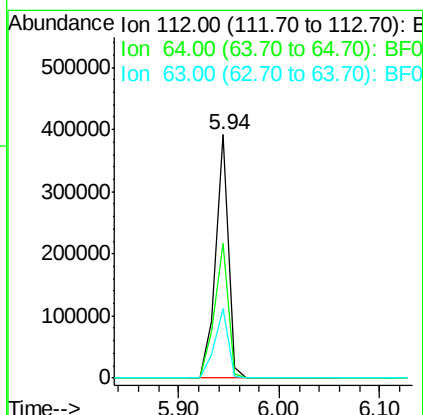
Tgt Ion: 112 Resp: 345067

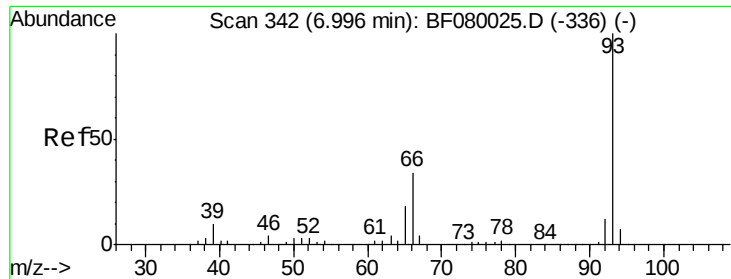
Ion Ratio Lower Upper

112 100

64 55.5 39.7 59.5

63 28.5 17.4 26.0#





#6

Aniline

Concen: 0.45 ng

RT: 6.98 min Scan# 341

Delta R.T. -0.01 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

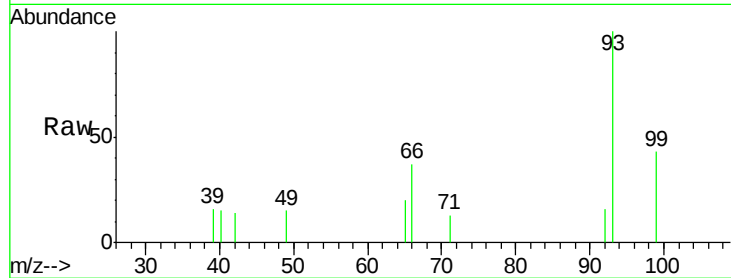
Tgt Ion: 93 Resp: 2268

Ion Ratio Lower Upper

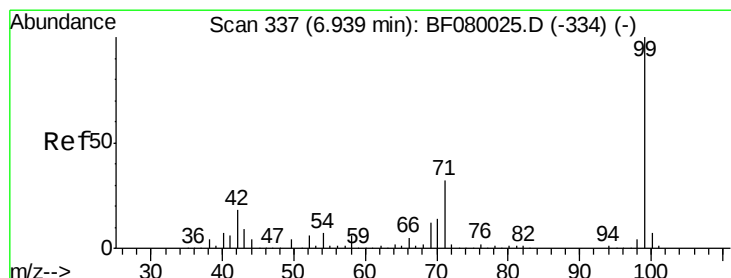
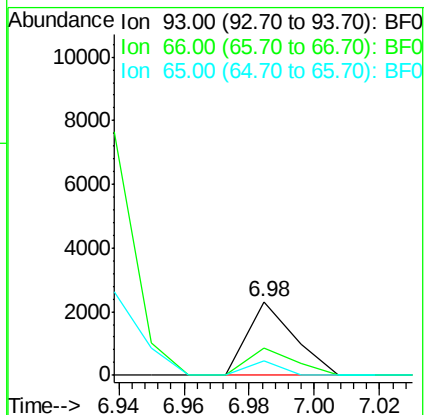
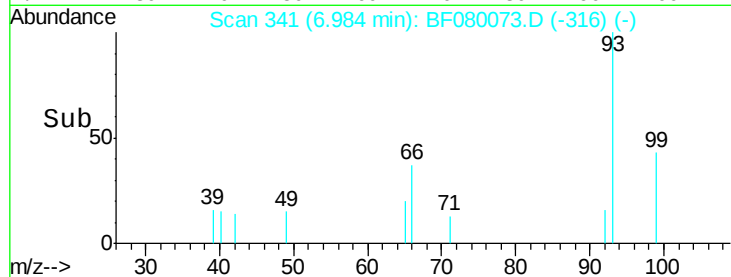
93 100

66 36.9 27.2 40.8

65 20.1 14.7 22.1



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 108.23 ng

RT: 6.93 min Scan# 336

Delta R.T. -0.01 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

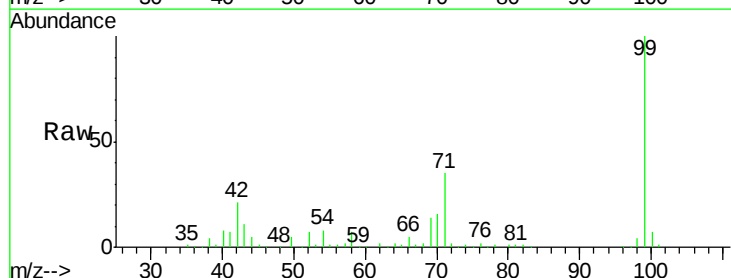
Tgt Ion: 99 Resp: 399343

Ion Ratio Lower Upper

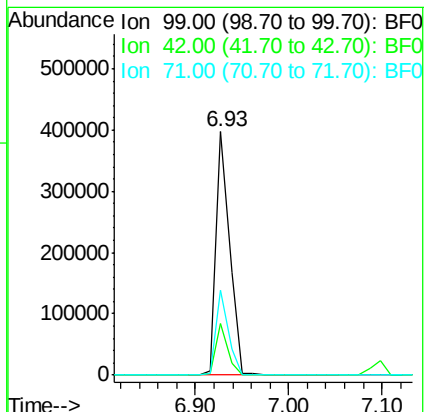
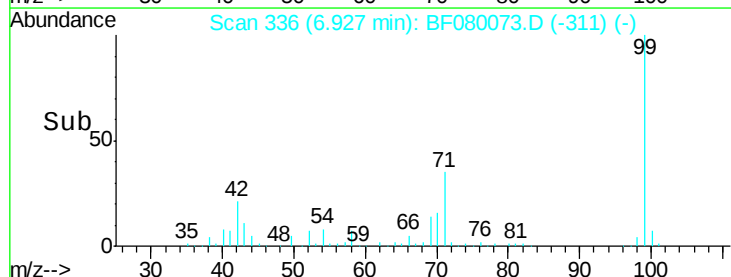
99 100

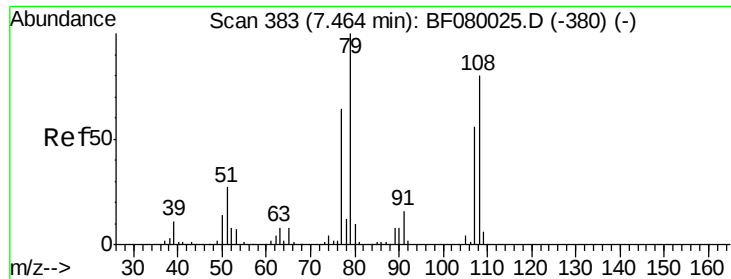
42 21.3 13.7 20.5#

71 34.6 14.2 21.2#



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: 2.31 ng

RT: 7.49 min Scan# 385

Delta R.T. 0.02 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

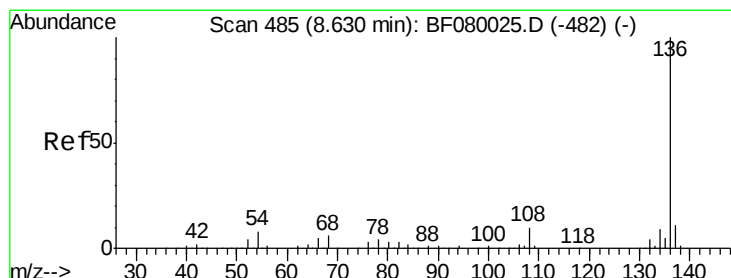
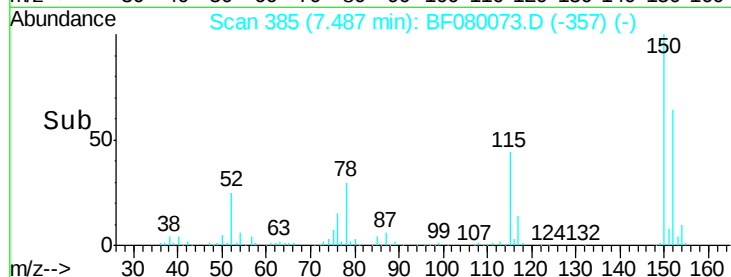
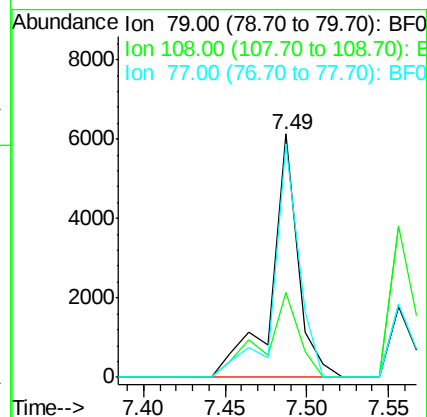
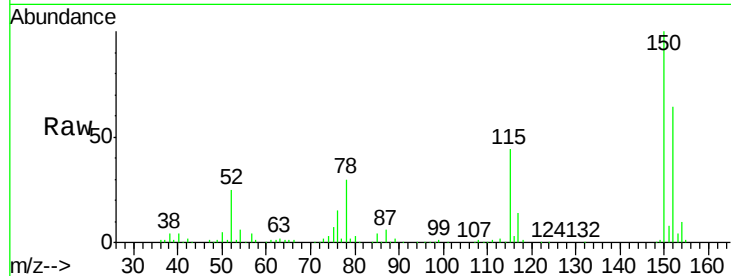
Tgt Ion: 79 Resp: 6962

Ion Ratio Lower Upper

79 100

108 35.1 88.6 132.8#

77 95.8 47.0 70.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.62 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

Tgt Ion: 136 Resp: 198133

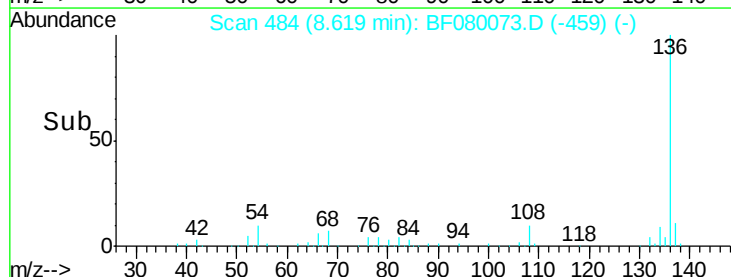
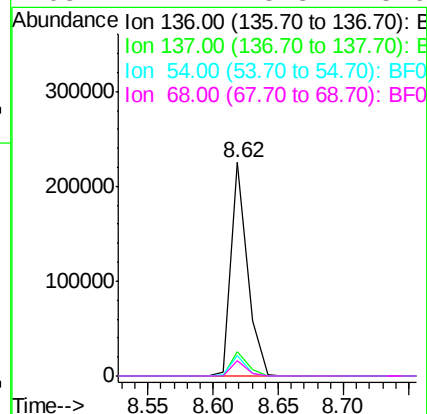
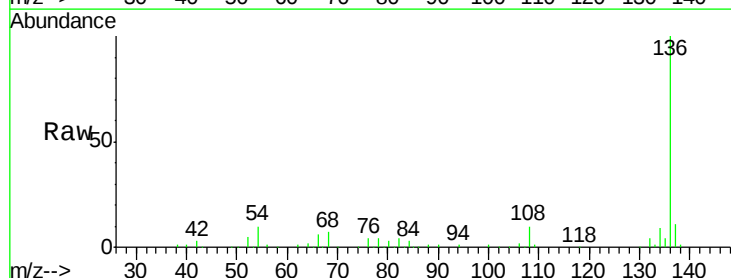
Ion Ratio Lower Upper

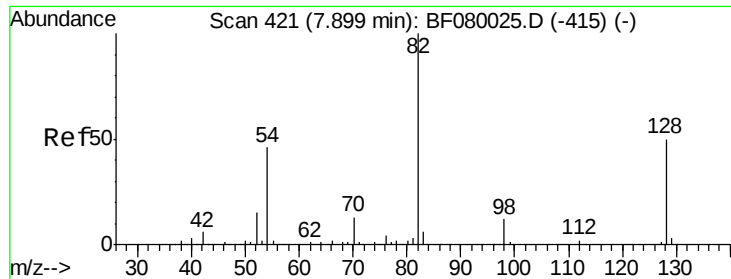
136 100

137 11.3 9.0 13.6

54 9.9 8.2 12.2

68 7.1 5.8 8.6

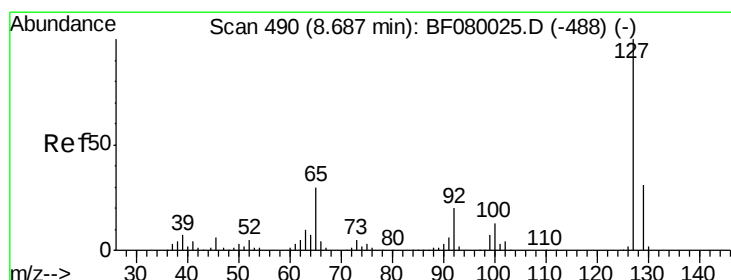
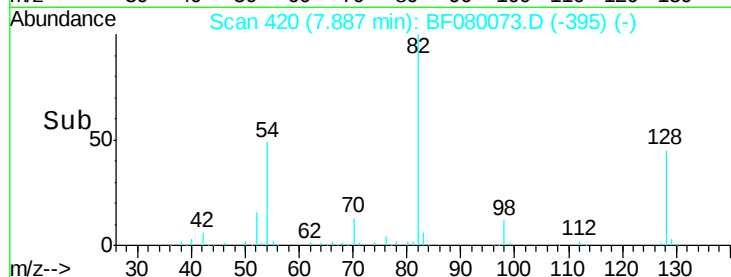
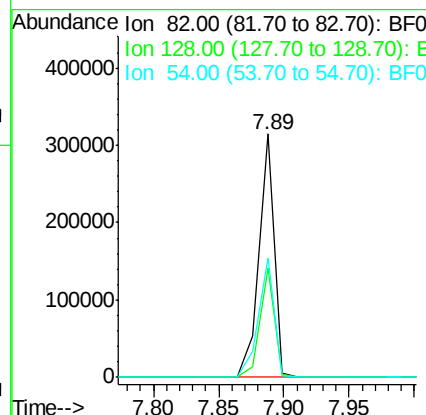
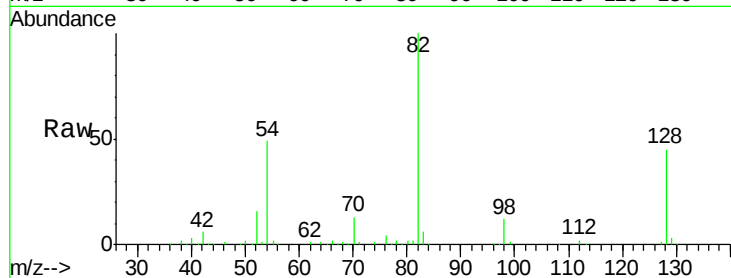




#23
 Nitrobenzene-d5
 Concen: 75.87 ng
 RT: 7.89 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF080073.D
 Acq: 20 Jun 2015 1:12

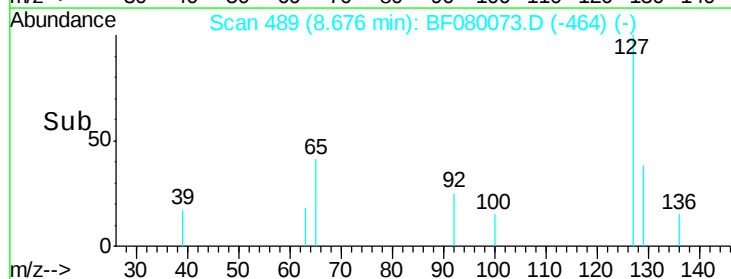
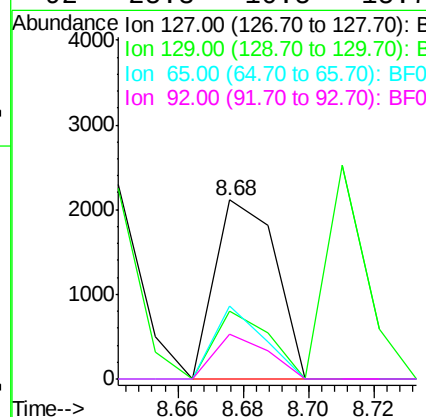
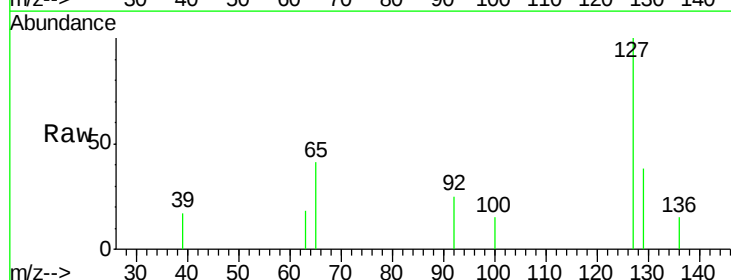
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

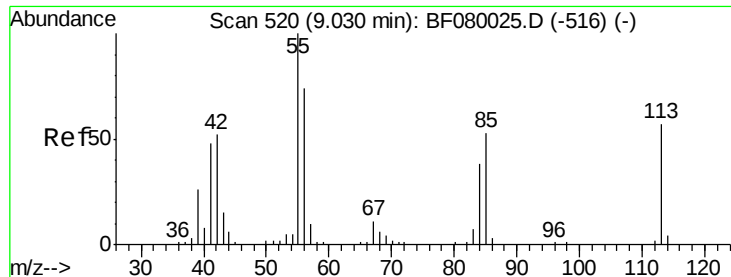
Tgt Ion: 82 Resp: 258209
 Ion Ratio Lower Upper
 82 100
 128 44.6 51.0 76.6#
 54 48.9 47.5 71.3



#33
 4-Chloroaniline
 Concen: 0.61 ng
 RT: 8.68 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF080073.D
 Acq: 20 Jun 2015 1:12

Tgt Ion: 127 Resp: 2687
 Ion Ratio Lower Upper
 127 100
 129 38.0 25.8 38.6
 65 40.8 17.9 26.9#
 92 25.3 10.5 15.7#

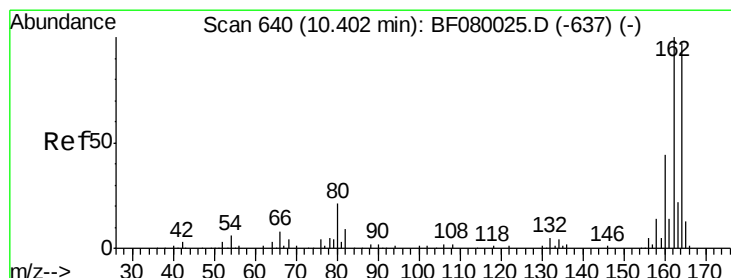
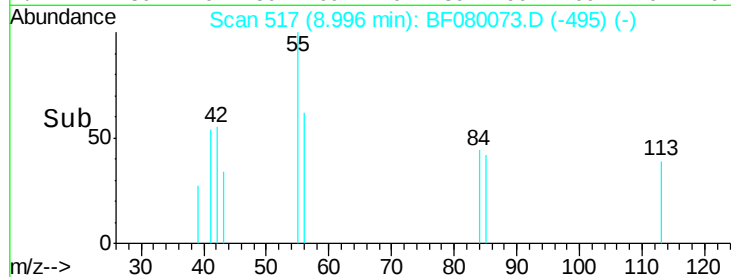
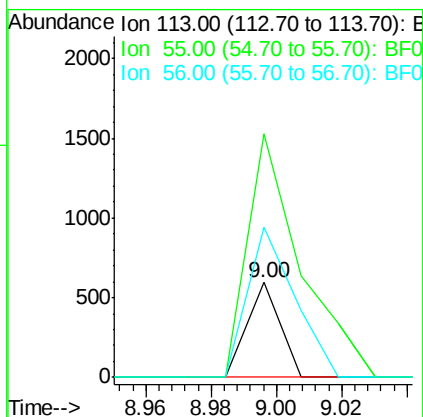
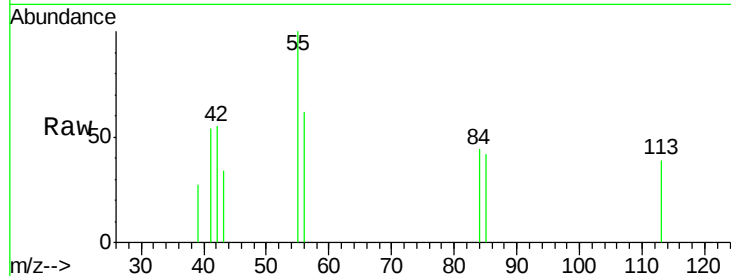




#35
 Caprolactam
 Concen: 0.48 ng
 RT: 9.00 min Scan# 517
 Delta R.T. -0.05 min
 Lab File: BF080073.D
 Acq: 20 Jun 2015 1:12

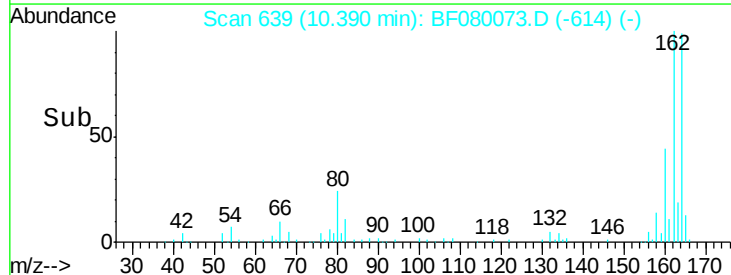
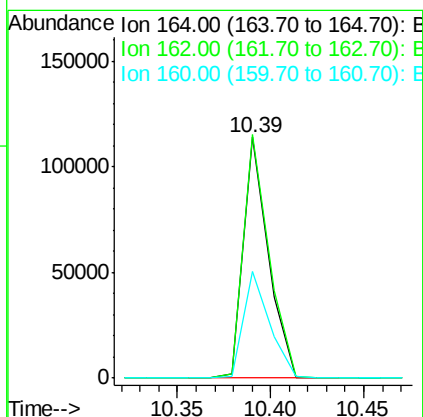
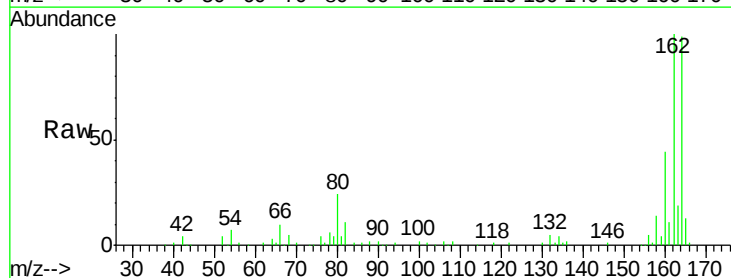
Instrument :
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 LOD-SOIL2015-01

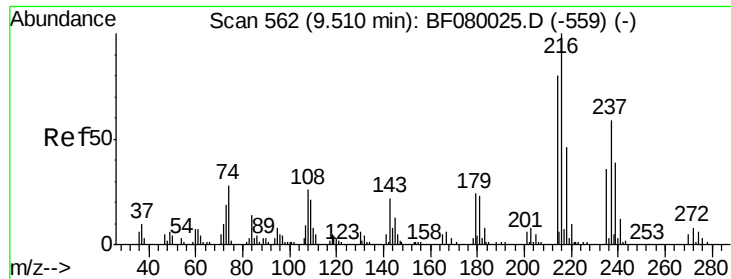
Tgt Ion:113 Resp: 407
 Ion Ratio Lower Upper
 113 100
 55 257.7 152.4 192.4#
 56 158.9 104.6 144.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.39 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF080073.D
 Acq: 20 Jun 2015 1:12

Tgt Ion:164 Resp: 105656
 Ion Ratio Lower Upper
 164 100
 162 101.2 75.2 112.8
 160 44.3 31.5 47.3





#40

Hexachlorocyclopentadiene

Concen: 6.67 ng

RT: 9.50 min Scan# 561

Delta R.T. -0.01 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

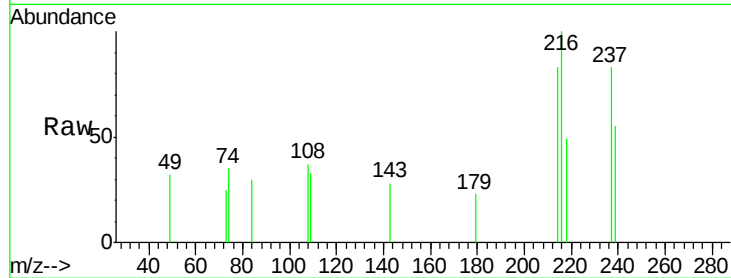
Tgt Ion: 237 Resp: 732

Ion Ratio Lower Upper

237 100

235 0.0 42.0 82.0#

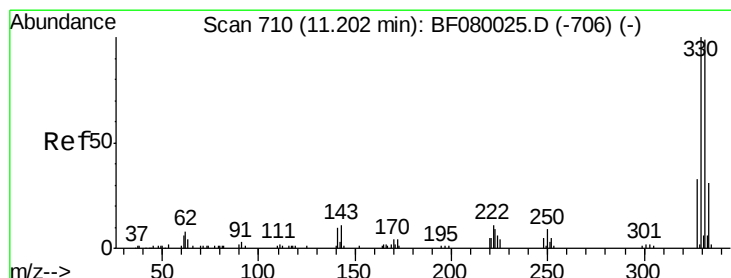
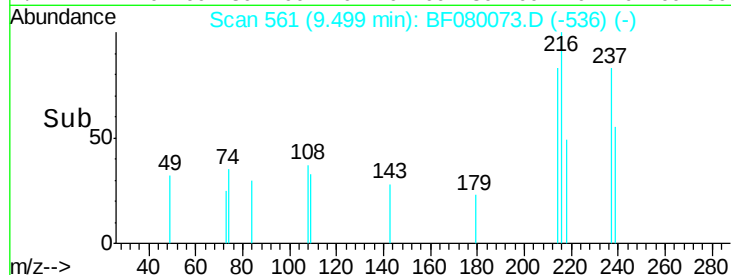
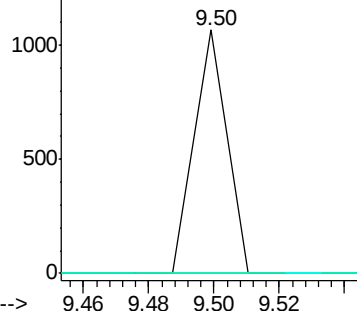
272 0.0 0.0 36.1



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: 113.95 ng

RT: 11.19 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

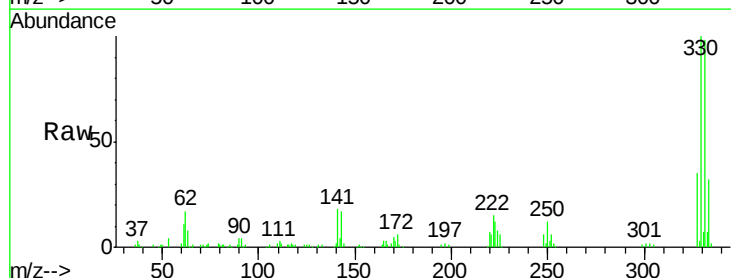
Tgt Ion: 330 Resp: 117729

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

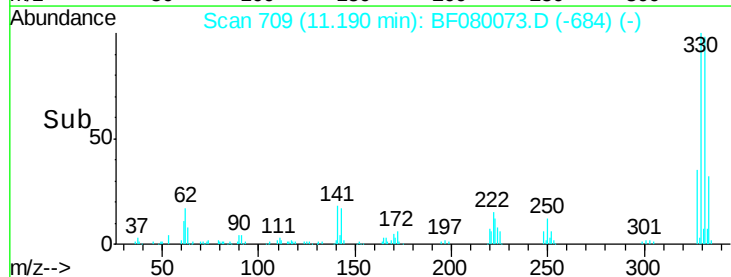
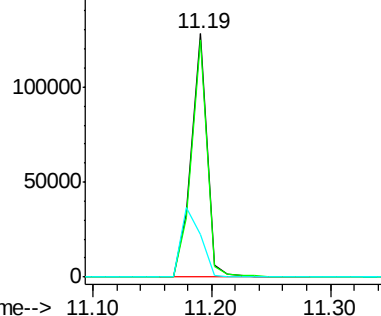
141 35.5 29.7 44.5

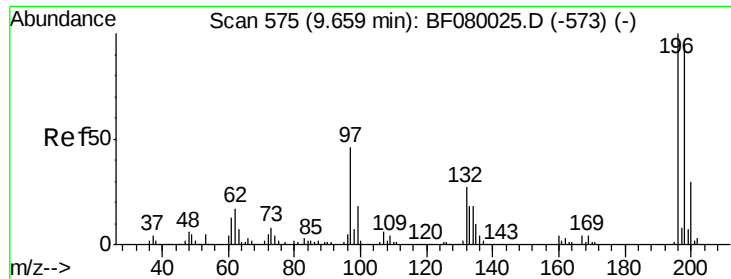


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

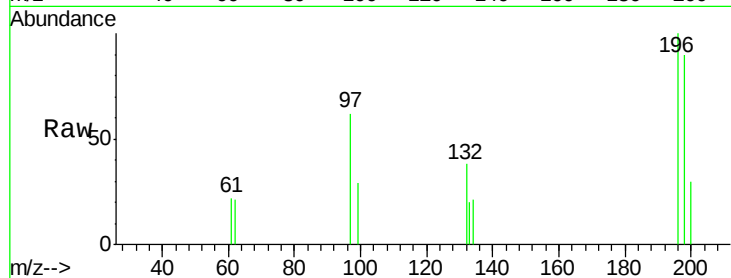




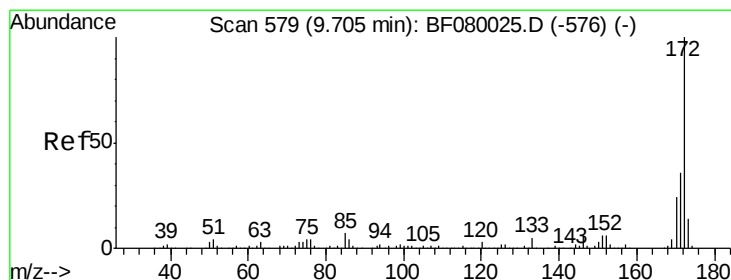
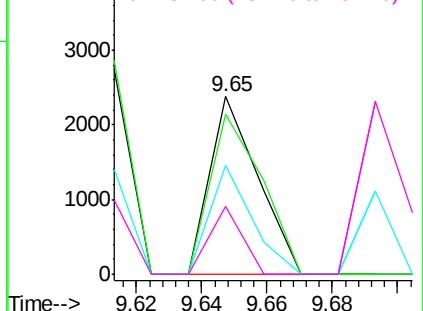
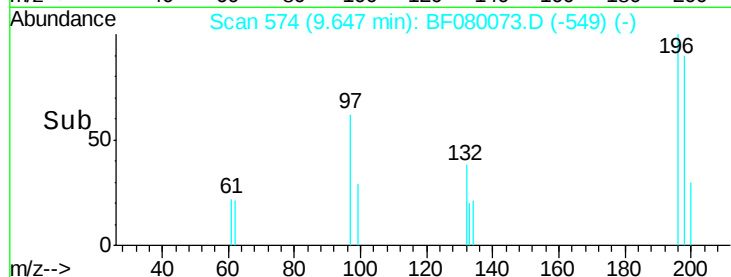
#43
 2,4,5-Trichlorophenol
 Concen: 1.00 ng
 RT: 9.65 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF080073.D
 Acq: 20 Jun 2015 1:12

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:196 Resp: 2401
 Ion Ratio Lower Upper
 196 100
 198 90.0 75.4 113.0
 97 61.6 33.3 49.9#
 132 38.2 24.6 37.0#

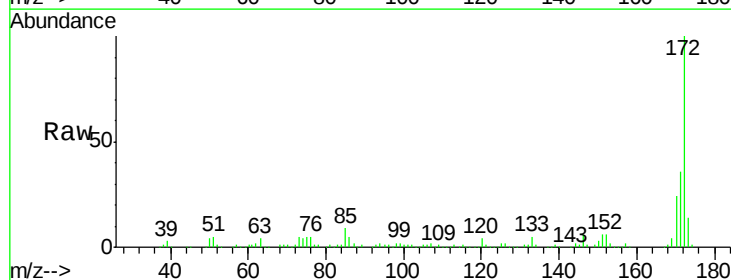


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

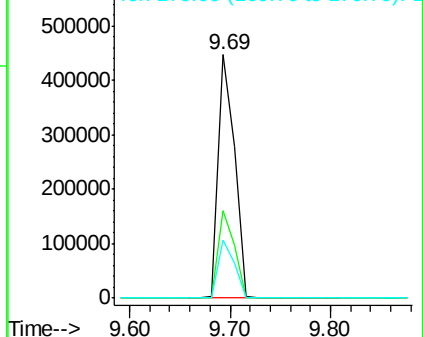
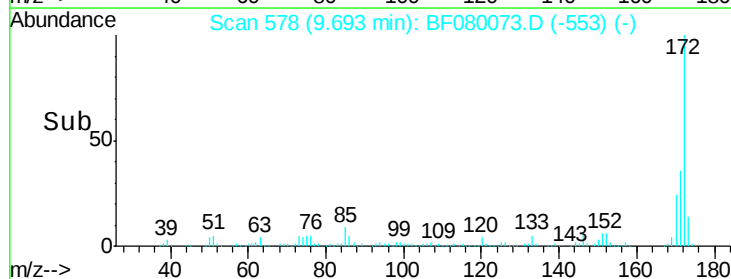


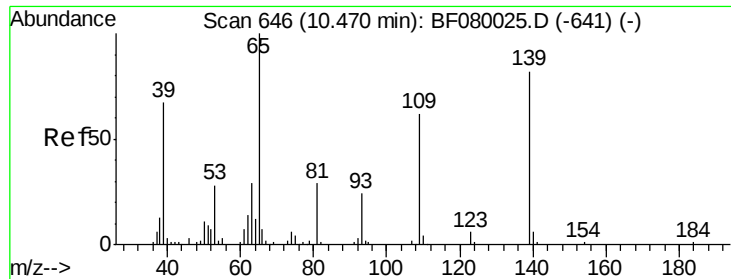
#44
 2-Fluorobiphenyl
 Concen: 68.25 ng
 RT: 9.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF080073.D
 Acq: 20 Jun 2015 1:12

Tgt Ion:172 Resp: 505630
 Ion Ratio Lower Upper
 172 100
 171 35.8 26.1 39.1
 170 24.0 17.4 26.2



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

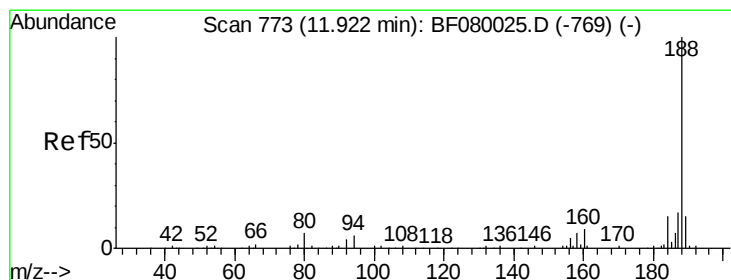
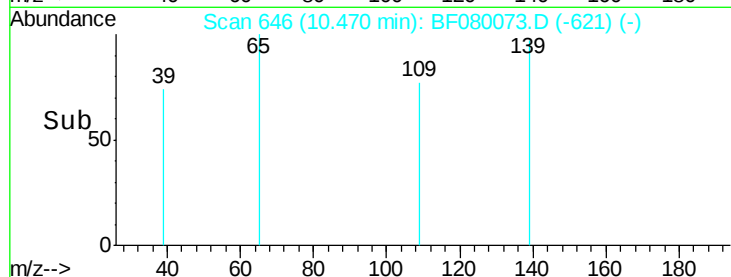
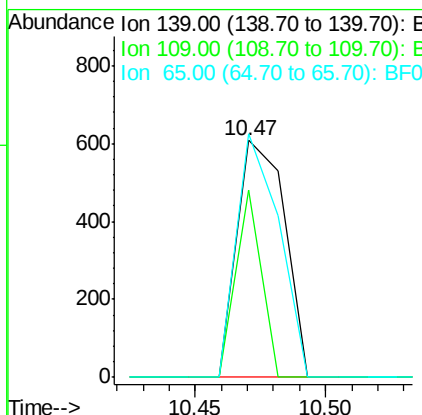
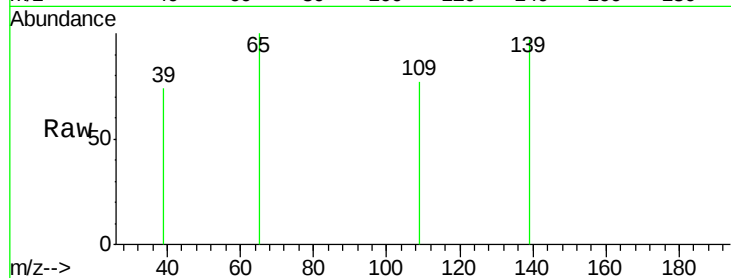




#55
4-Nitrophenol
Concen: 0.53 ng
RT: 10.47 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF080073.D
Acq: 20 Jun 2015 1:12

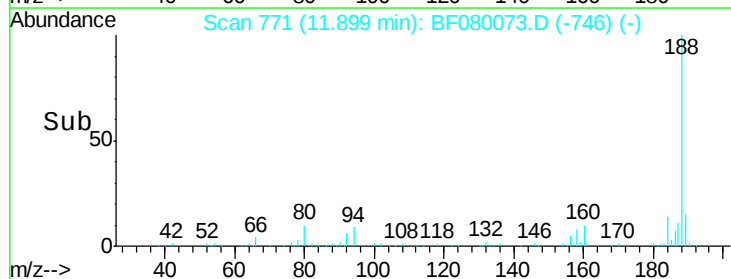
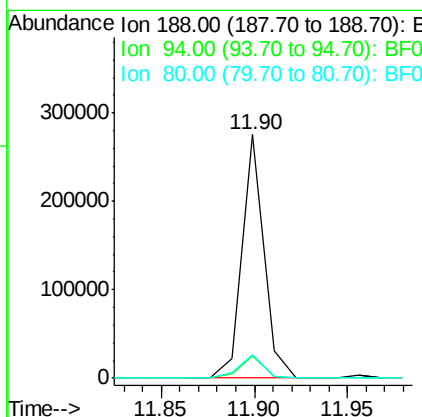
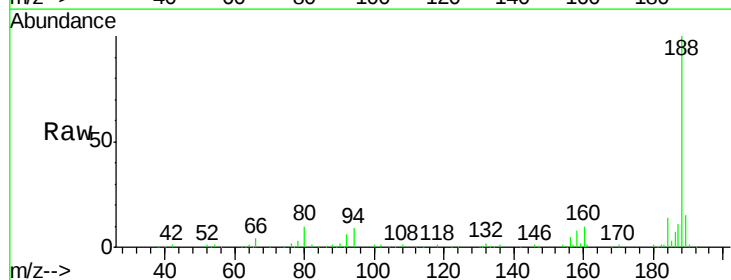
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

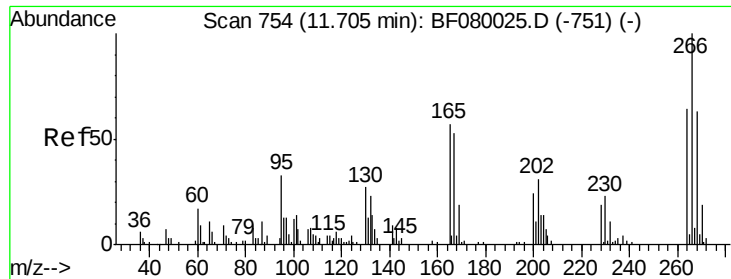
Tgt Ion:139 Resp: 780
Ion Ratio Lower Upper
139 100
109 79.3 12.7 52.7#
65 102.8 45.9 85.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.90 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF080073.D
Acq: 20 Jun 2015 1:12

Tgt Ion:188 Resp: 226647
Ion Ratio Lower Upper
188 100
94 9.2 11.1 16.7#
80 9.6 11.0 16.4#

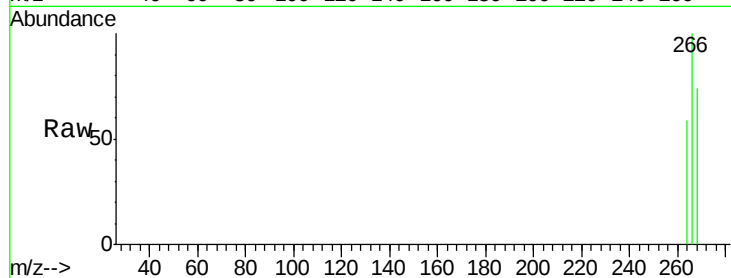




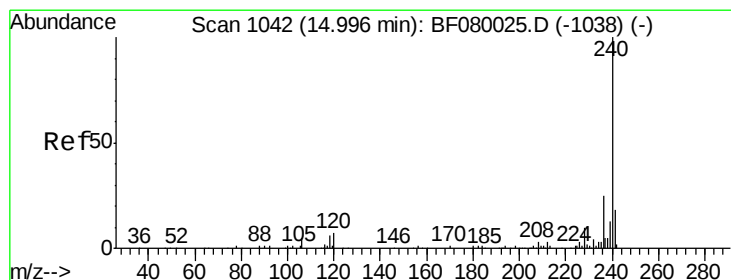
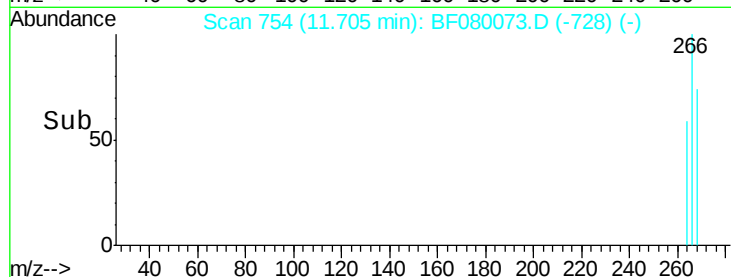
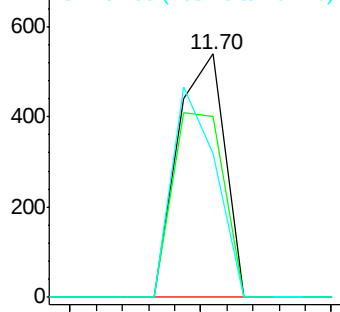
#69
 Pentachlorophenol
 Concen: 0.44 ng
 RT: 11.70 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF080073.D
 Acq: 20 Jun 2015 1:12

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 266 Resp: 672
 Ion Ratio Lower Upper
 266 100
 268 74.2 49.8 74.6
 264 59.0 50.2 75.2

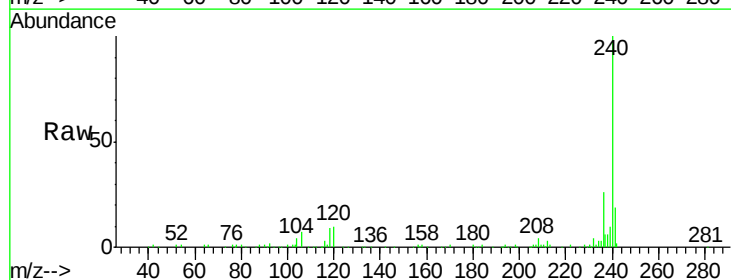


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

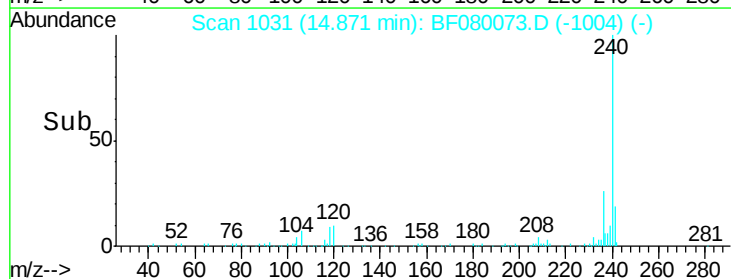
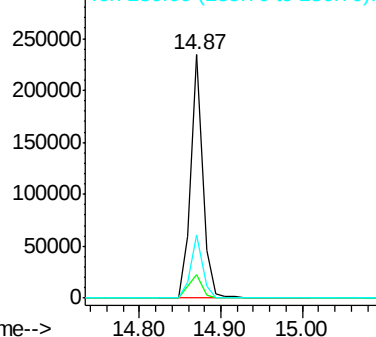


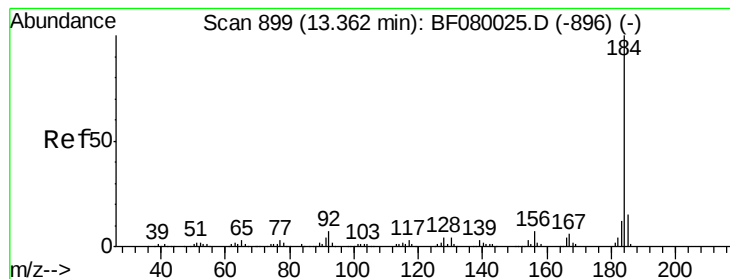
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BF080073.D
 Acq: 20 Jun 2015 1:12

Tgt Ion: 240 Resp: 240353
 Ion Ratio Lower Upper
 240 100
 120 9.7 16.2 24.2#
 236 26.1 18.4 27.6



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: 0.49 ng

RT: 13.30 min Scan# 894

Delta R.T. 0.00 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

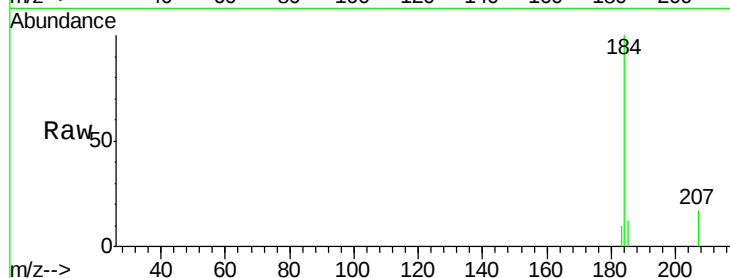
Tgt Ion:184 Resp: 3303

Ion Ratio Lower Upper

184 100

185 12.1 11.8 17.6

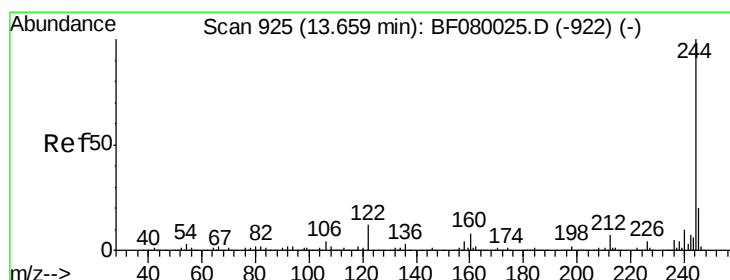
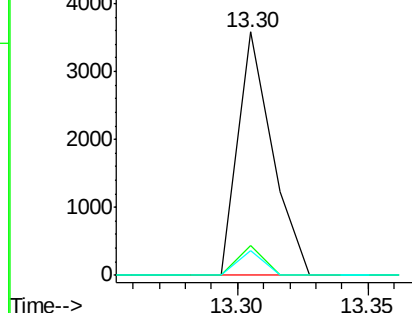
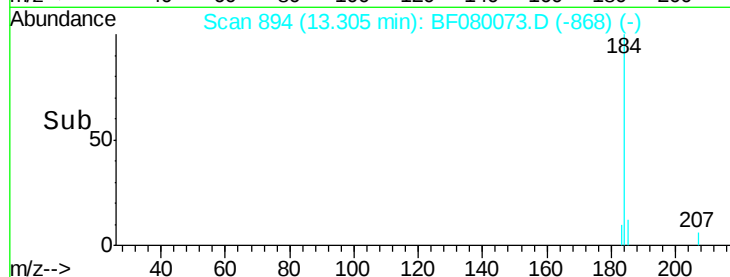
183 10.4 7.6 11.4



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: 69.49 ng

RT: 13.59 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF080073.D

Acq: 20 Jun 2015 1:12

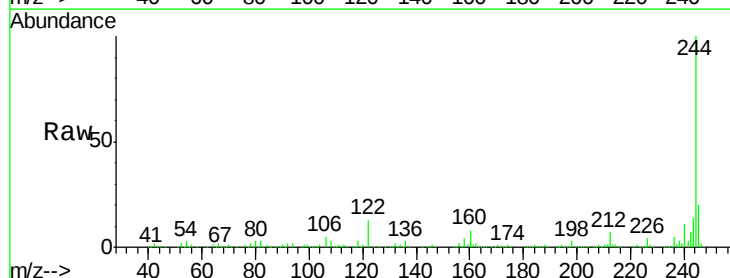
Tgt Ion:244 Resp: 715117

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

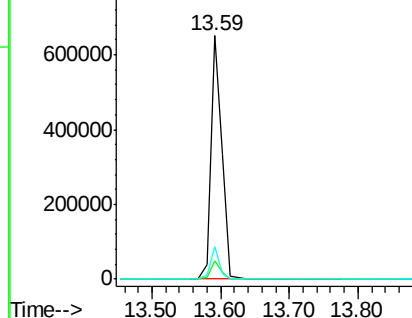
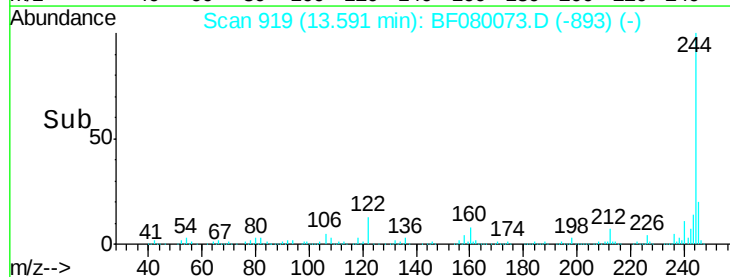
122 13.2 17.4 26.2#

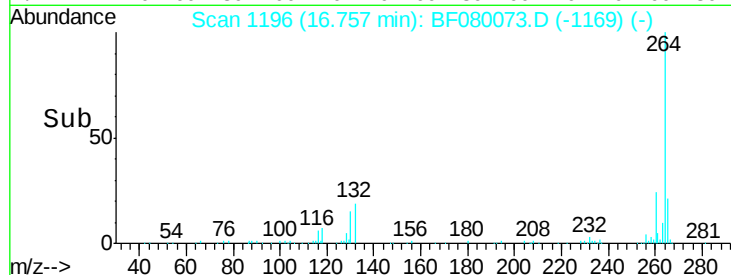
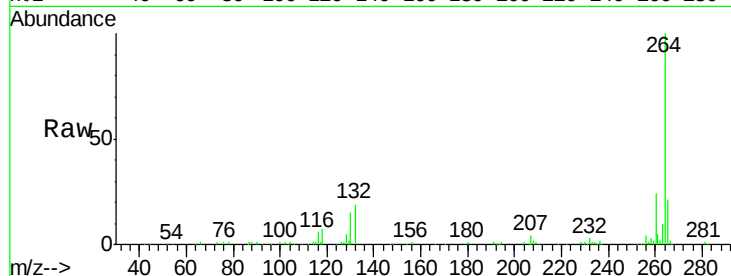
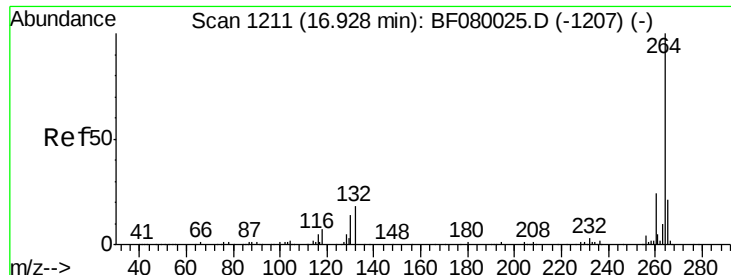


Abundance Ion 244.00 (243.70 to 244.70): E

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: 16.76 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BF080073.D
Acq: 20 Jun 2015 1:12

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:	264	Resp:	225263
Ion	Ratio	Lower	Upper
264	100		
260	23.6	16.7	25.1
265	20.7	17.2	25.8

