

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
 Data File : BM010805.D
 Acq On : 13 Jul 2017 10:41
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 5PPM LOD
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 13 13:39:24 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

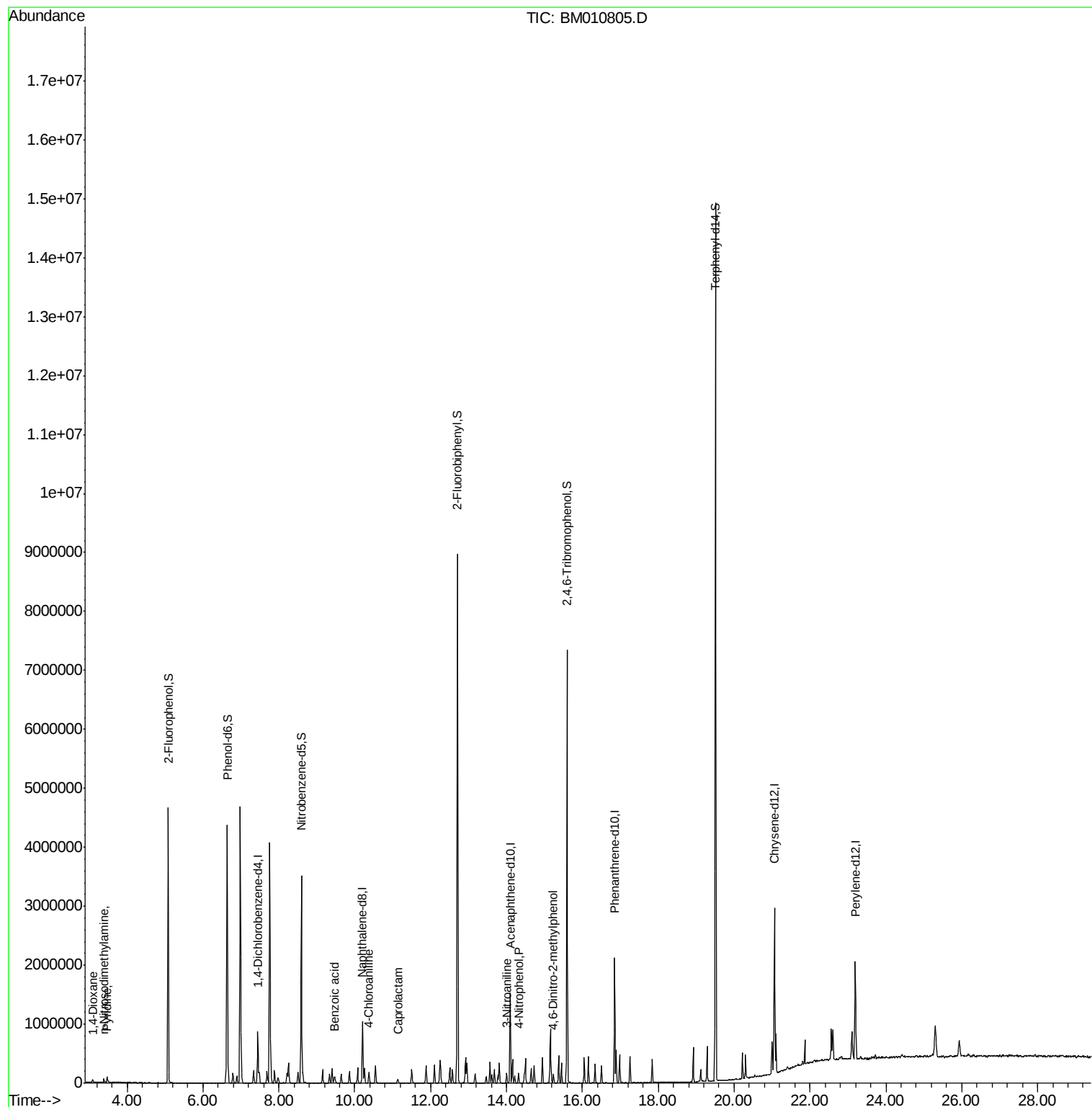
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	169411	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	668629	20.00	ng	0.00
38) Acenaphthene-d10	14.10	164	441912	20.00	ng	0.00
63) Phenanthrene-d10	16.85	188	1084899	20.00	ng	0.00
75) Chrysene-d12	21.07	240	1220852	20.00	ng	0.00
86) Perylene-d12	23.20	264	1150086	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	1430739	139.90	ng	0.00
7) Phenol-d6	6.64	99	1918249	136.06	ng	0.00
23) Nitrobenzene-d5	8.59	82	1863760	107.14	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	1012989	150.00	ng	0.00
44) 2-Fluorobiphenyl	12.71	172	3874516	109.07	ng	0.00
78) Terphenyl-d14	19.52	244	5981969	94.77	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.09	88	23571	5.223	ng	Qvalue # 100
3) Pyridine	3.47	79	59387	4.814	ng	# 84
4) n-Nitrosodimethylamine	3.39	42	31069	4.928	ng	# 58
32) Benzoic acid	9.47	122	36185	4.356	ng	87
33) 4-Chloroaniline	10.37	127	67251	4.910	ng	# 80
35) Caprolactam	11.13	113	13884	4.360	ng	# 81
52) 3-Nitroaniline	14.00	138	29926	4.464	ng	# 62
55) 4-Nitrophenol	14.32	139	26140	4.490	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.24	198	28902	4.040	ng	96

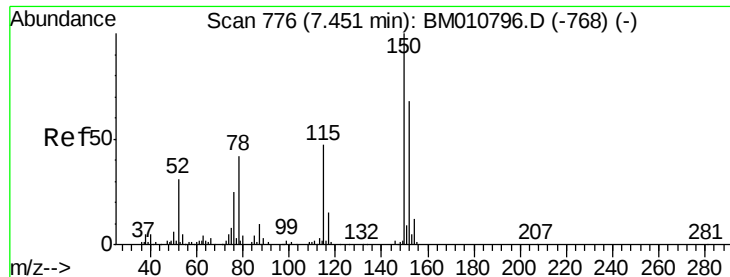
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
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Acq On : 13 Jul 2017 10:41
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Misc : 5PPM LOD
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Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Quant Time: Jul 13 13:39:24 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration



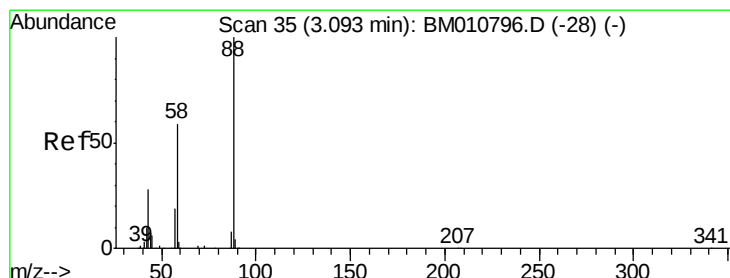
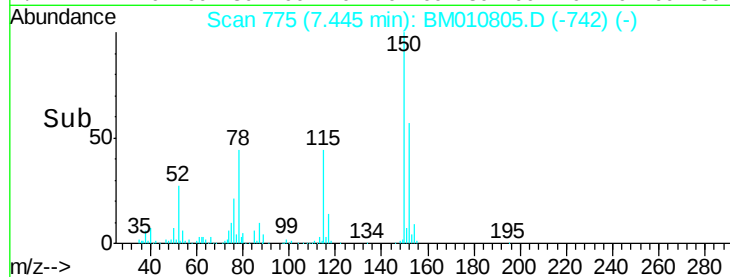
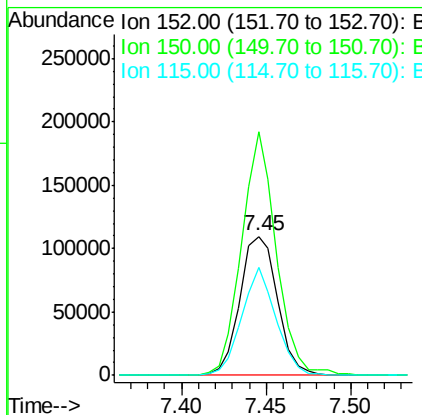
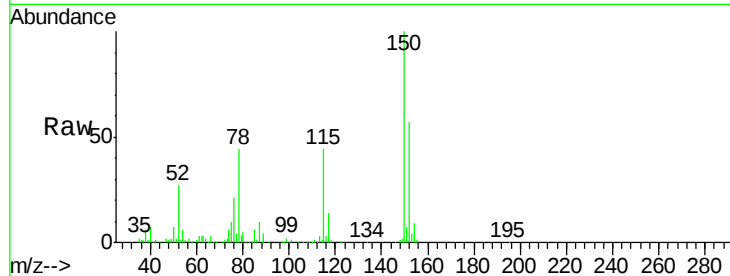


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. -0.01 min
Lab File: BM010805.D
Acq: 13 Jul 2017 10:41

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

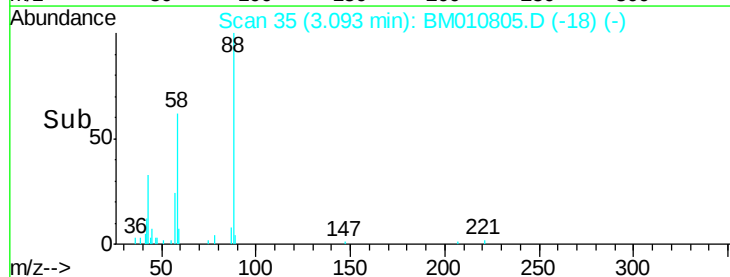
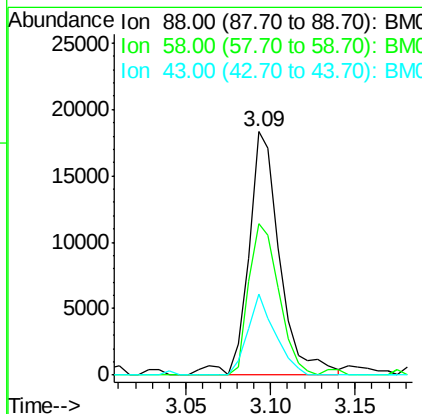
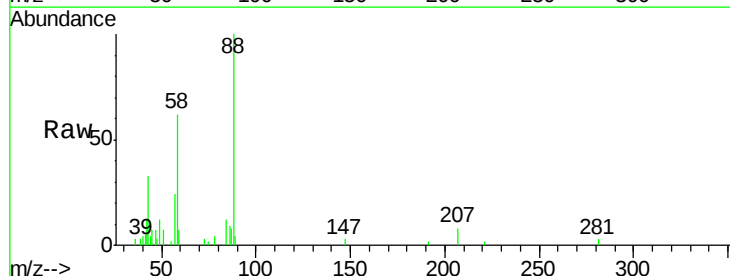
Tgt Ion:152 Resp: 169411
Ion Ratio Lower Upper
152 100
150 175.3 119.5 179.3
115 77.8 43.0 64.4#

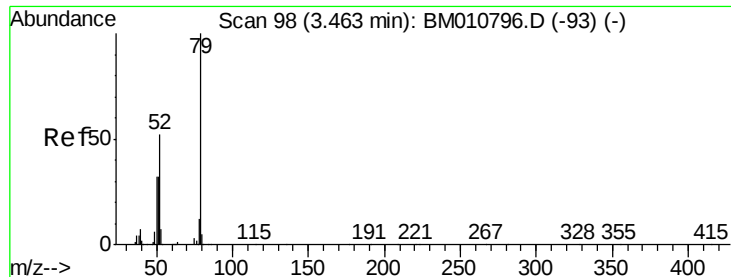


#2

1,4-Dioxane
Concen: 5.223 ng
RT: 3.09 min Scan# 35
Delta R.T. 0.00 min
Lab File: BM010805.D
Acq: 13 Jul 2017 10:41

Tgt Ion: 88 Resp: 23571
Ion Ratio Lower Upper
88 100
58 60.2 0.0 0.0#
43 29.2 0.0 0.0#

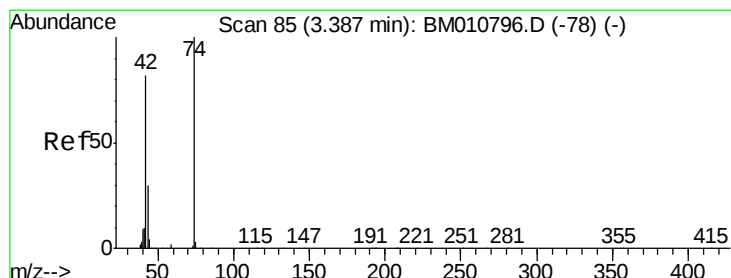
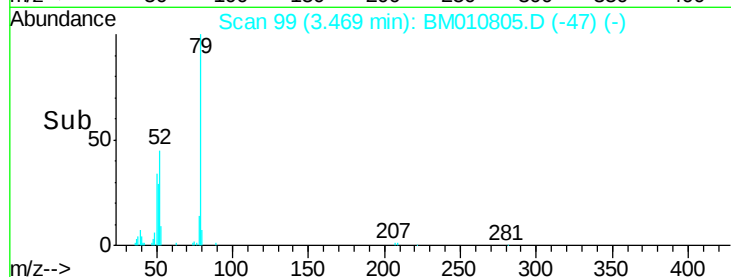
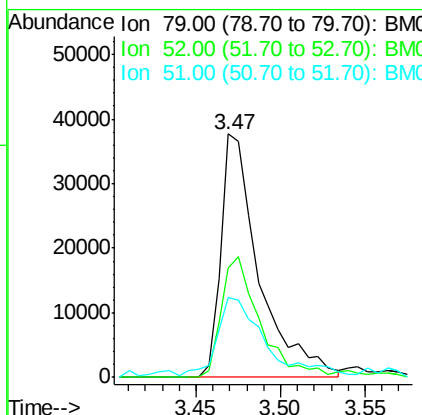
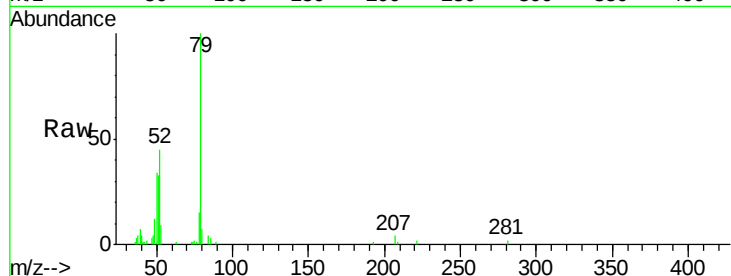




#3
 Pyridine
 Concen: 4.814 ng
 RT: 3.47 min Scan# 99
 Delta R.T. 0.01 min
 Lab File: BM010805.D
 Acq: 13 Jul 2017 10:41

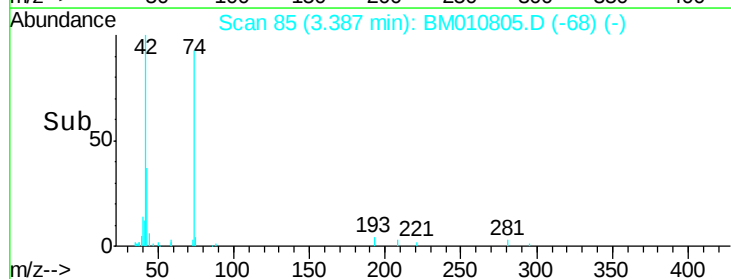
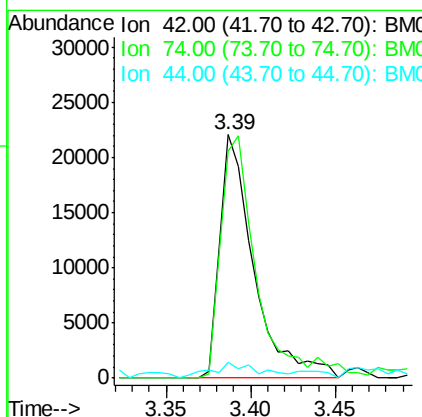
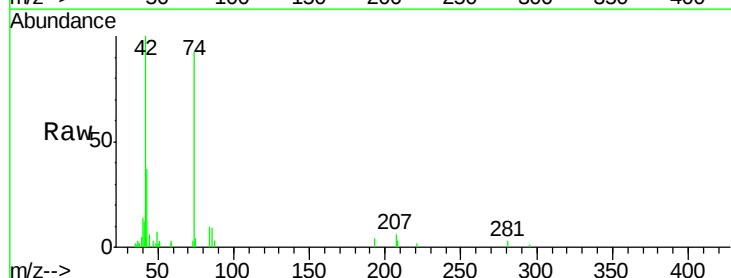
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

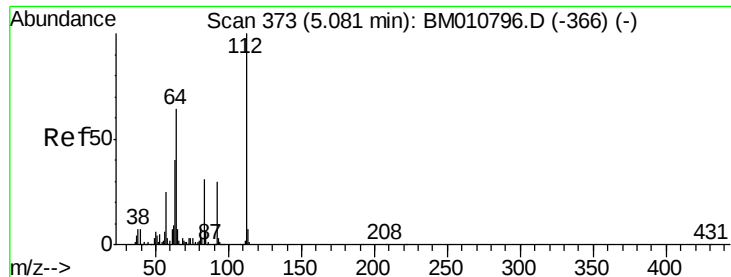
Tgt Ion	Ratio	Lower	Upper
79	100		
52	45.0	51.1	76.7#
51	32.8	26.1	39.1



#4
 n-Nitrosodimethylamine
 Concen: 4.928 ng
 RT: 3.39 min Scan# 85
 Delta R.T. 0.00 min
 Lab File: BM010805.D
 Acq: 13 Jul 2017 10:41

Tgt Ion	Ratio	Lower	Upper
42	100		
74	93.1	119.3	178.9#
44	6.4	5.4	8.2





#5

2-Fluorophenol

Concen: 139.897 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

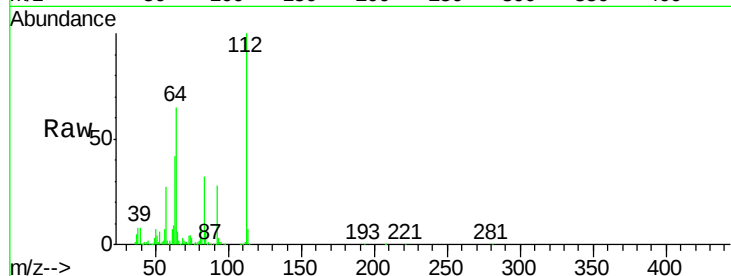
Tgt Ion:112 Resp: 1430739

Ion Ratio Lower Upper

112 100

64 65.4 38.6 57.8#

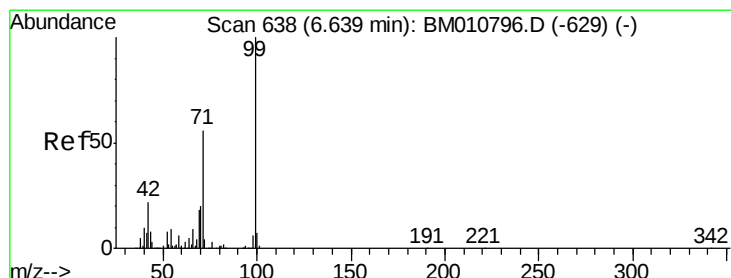
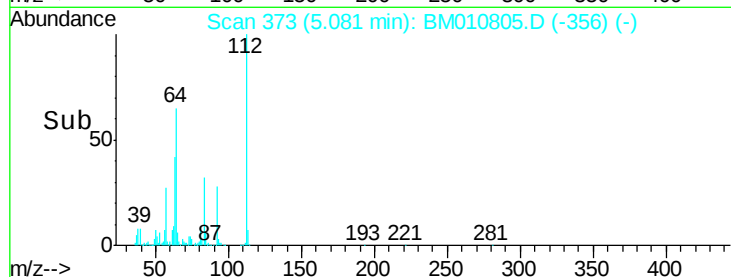
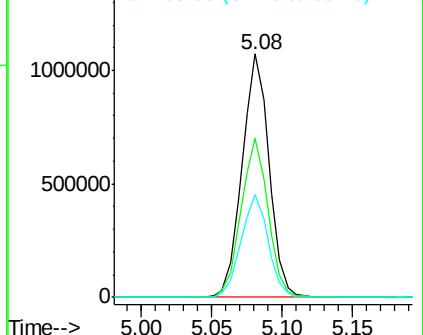
63 42.2 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 136.056 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

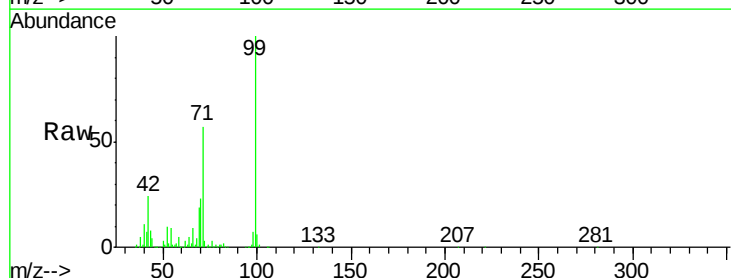
Tgt Ion: 99 Resp: 1918249

Ion Ratio Lower Upper

99 100

42 24.0 11.0 16.4#

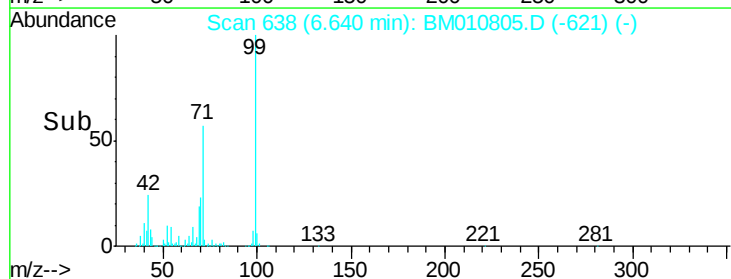
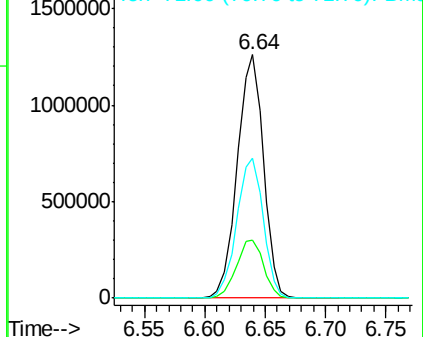
71 57.4 23.4 35.2#

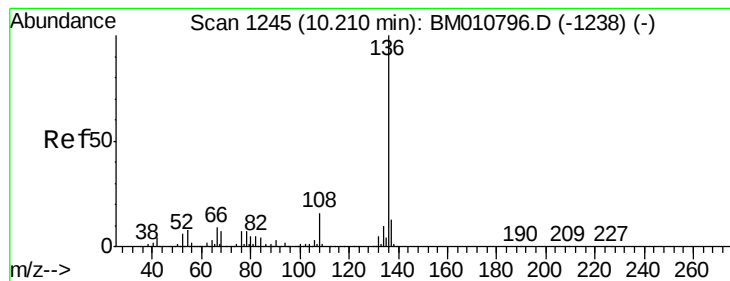


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:136 Resp: 668629

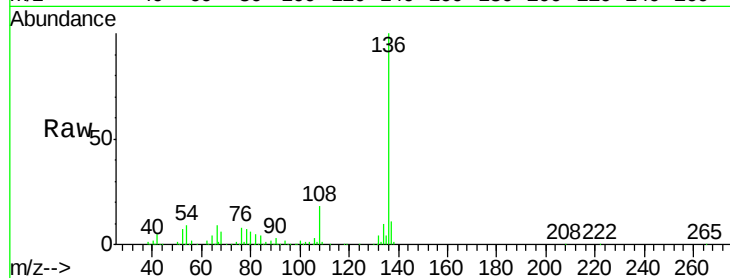
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 9.0 4.6 6.8#

68 6.4 3.7 5.5#

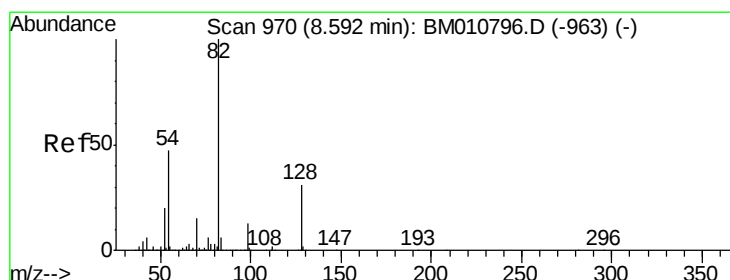
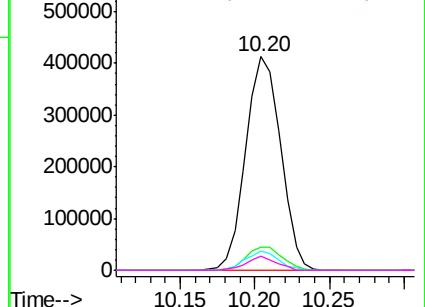
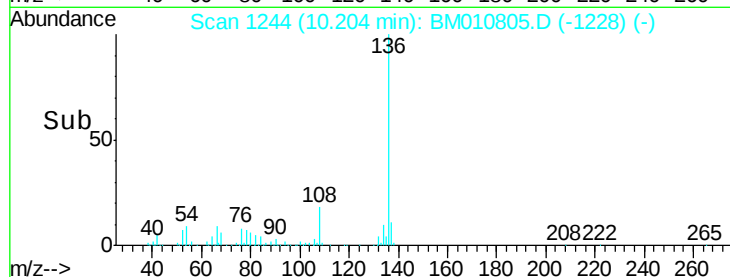


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 107.142 ng

RT: 8.59 min Scan# 970

Delta R.T. 0.00 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

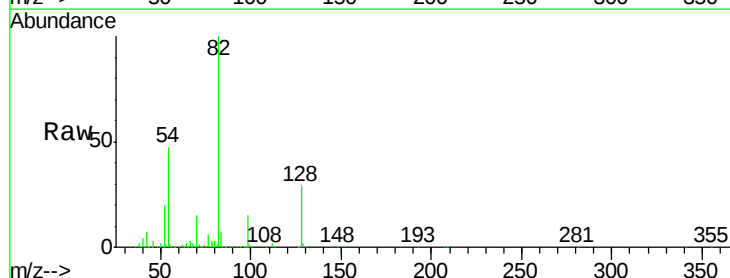
Tgt Ion: 82 Resp: 1863760

Ion Ratio Lower Upper

82 100

128 29.2 32.8 49.2#

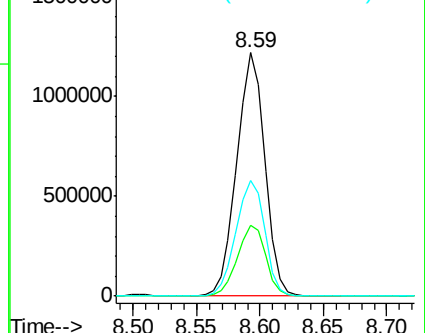
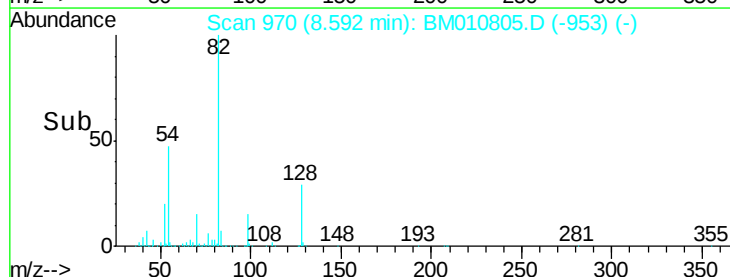
54 47.4 40.6 60.8

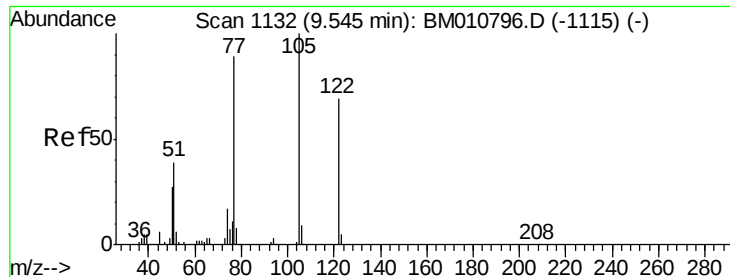


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#32

Benzoic acid

Concen: 4.356 ng

RT: 9.47 min Scan# 1120

Delta R.T. -0.07 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

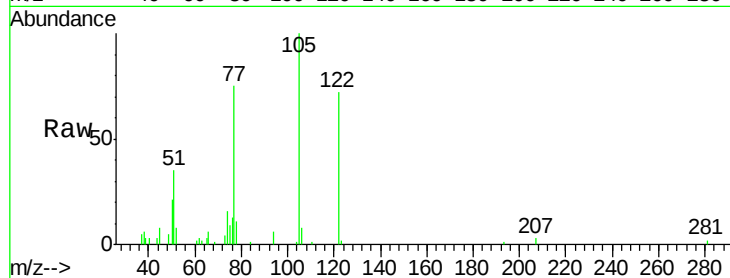
Tgt Ion:122 Resp: 36185

Ion Ratio Lower Upper

122 100

105 138.0 99.9 139.9

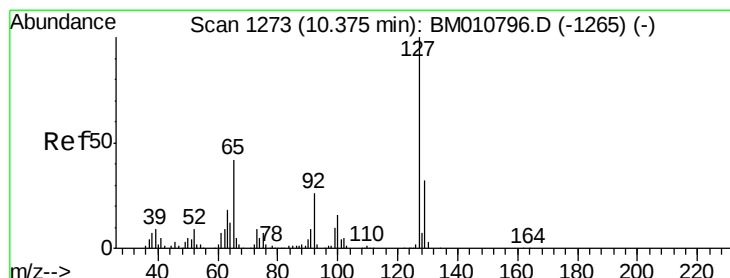
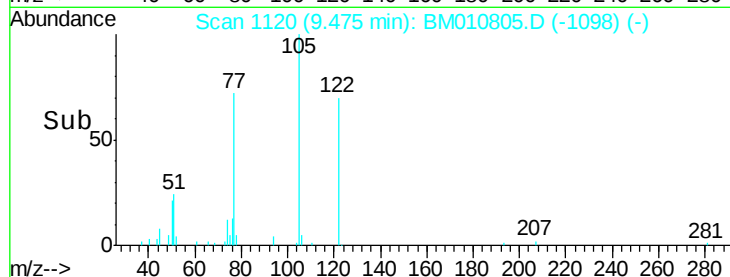
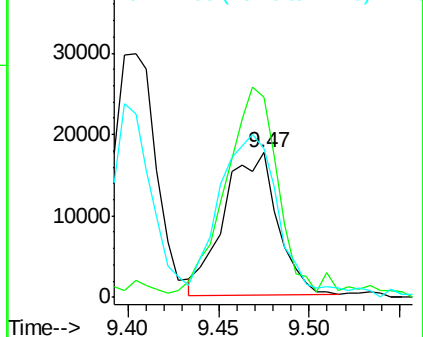
77 103.1 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM



#33

4-Chloroaniline

Concen: 4.910 ng

RT: 10.37 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

Tgt Ion:127 Resp: 67251

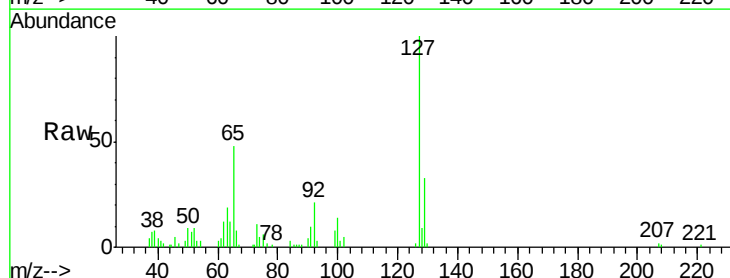
Ion Ratio Lower Upper

127 100

129 32.5 25.3 37.9

65 48.2 17.6 26.4#

92 20.7 13.1 19.7#

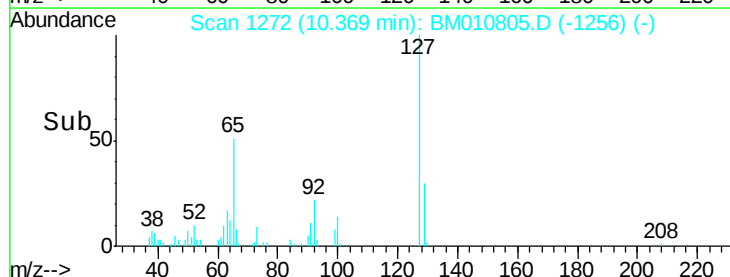
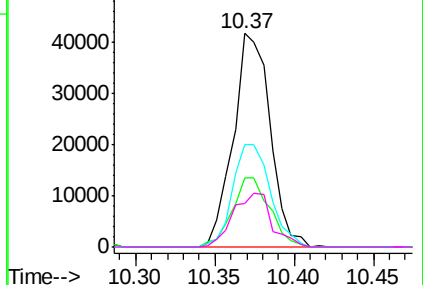


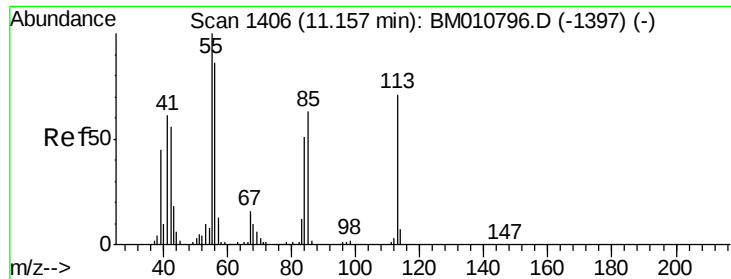
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM





#35

Caprolactam

Concen: 4.360 ng

RT: 11.13 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

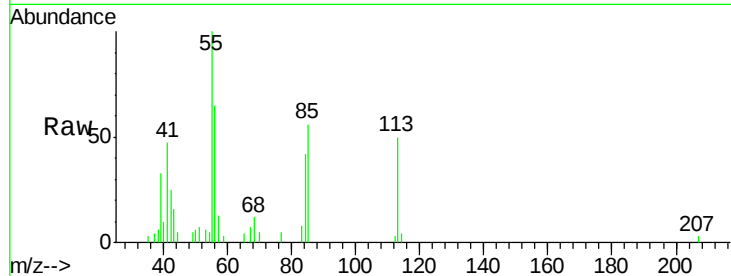
Tgt Ion:113 Resp: 13884

Ion Ratio Lower Upper

113 100

55 201.3 145.9 185.9#

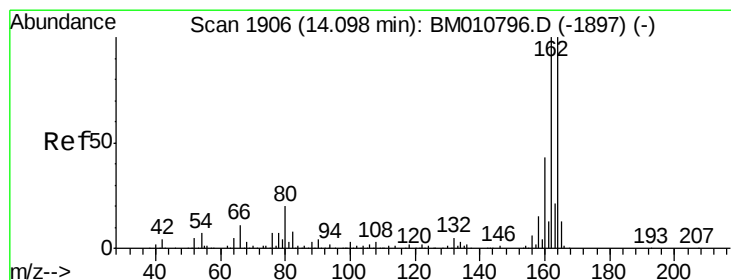
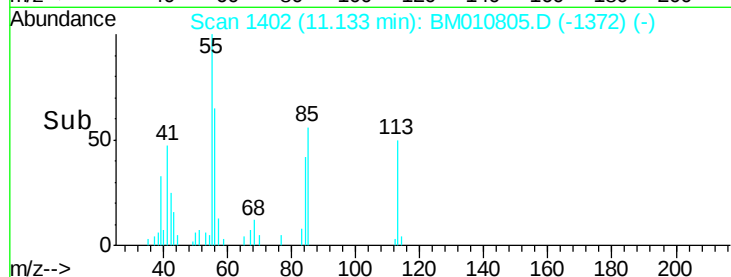
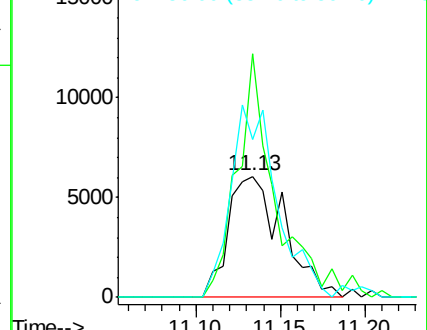
56 130.3 101.0 141.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.10 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

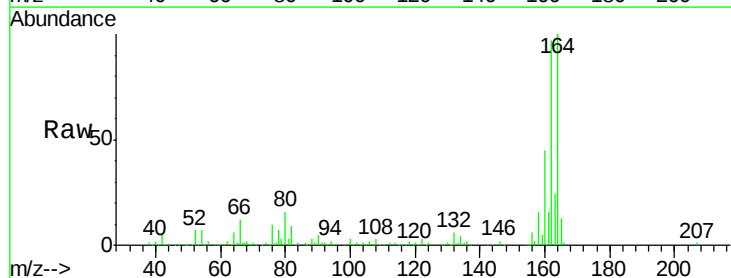
Tgt Ion:164 Resp: 441912

Ion Ratio Lower Upper

164 100

162 97.3 82.4 123.6

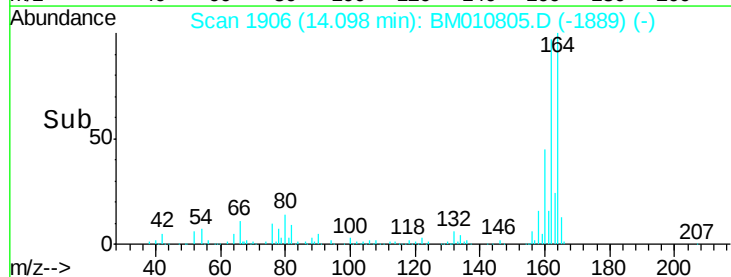
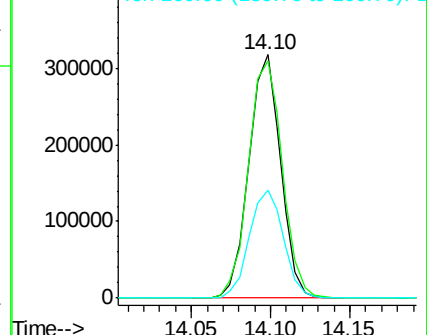
160 44.6 35.8 53.6

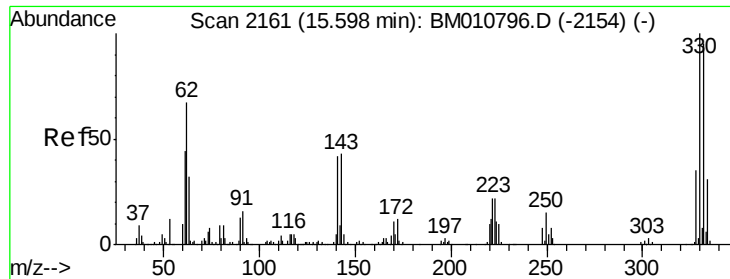


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

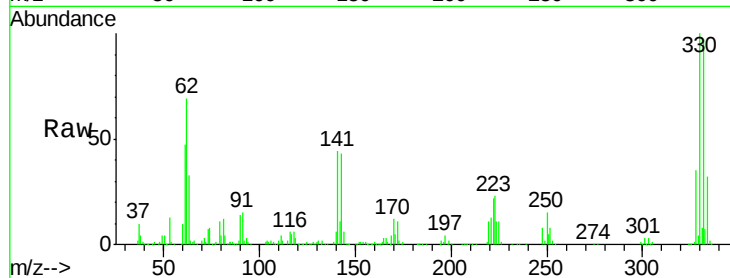




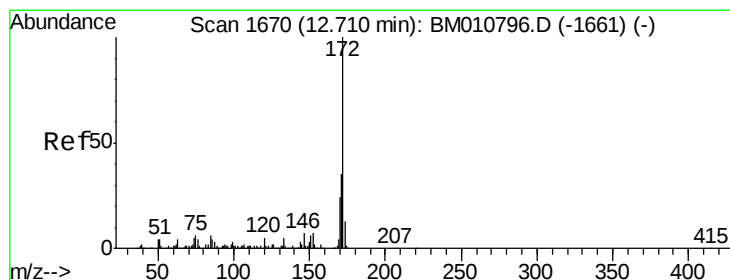
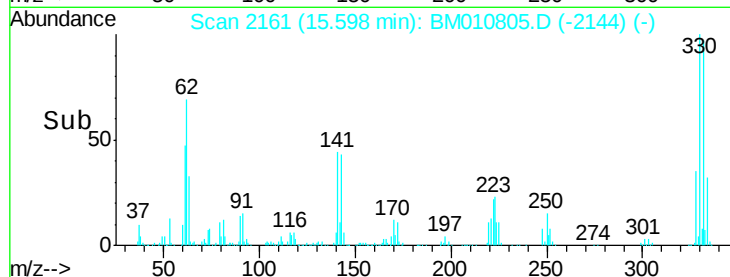
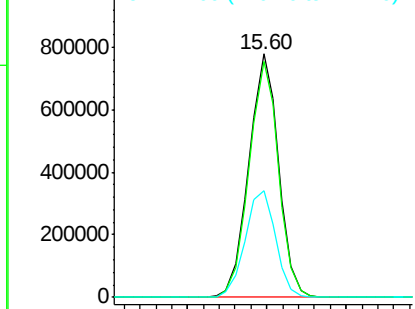
#41
 2,4,6-Tribromophenol
 Concen: 150.000 ng
 RT: 15.60 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BM010805.D
 Acq: 13 Jul 2017 10:41

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion:330 Resp: 1012989
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 45.0 0.0 0.0#

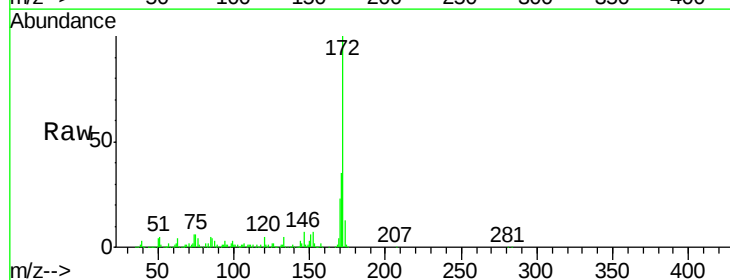


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

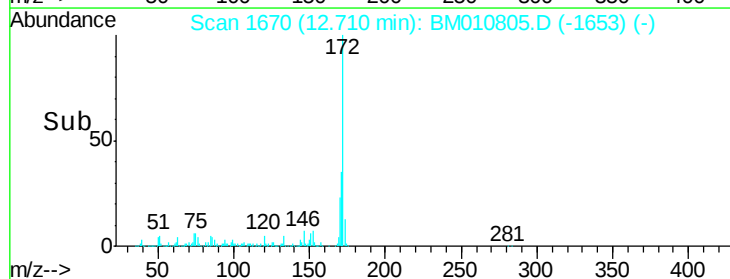
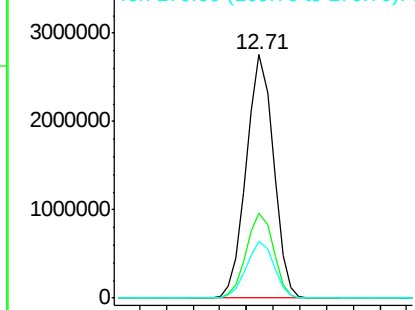


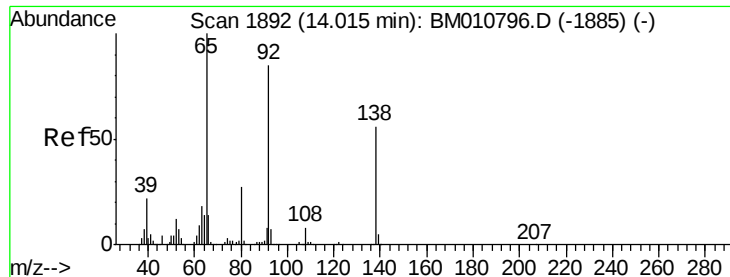
#44
 2-Fluorobiphenyl
 Concen: 109.071 ng
 RT: 12.71 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BM010805.D
 Acq: 13 Jul 2017 10:41

Tgt Ion:172 Resp: 3874516
 Ion Ratio Lower Upper
 172 100
 171 34.7 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





#52

3-Nitroaniline

Concen: 4.464 ng

RT: 14.00 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

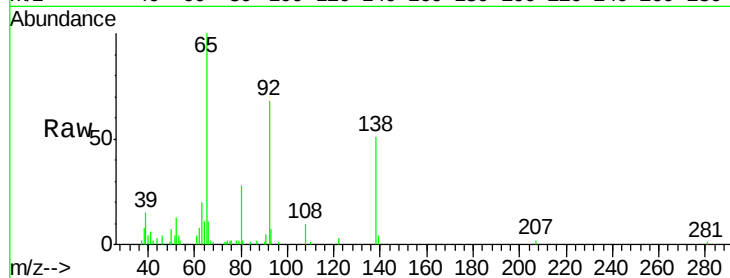
Tgt Ion:138 Resp: 29926

Ion Ratio Lower Upper

138 100

108 20.3 7.3 10.9#

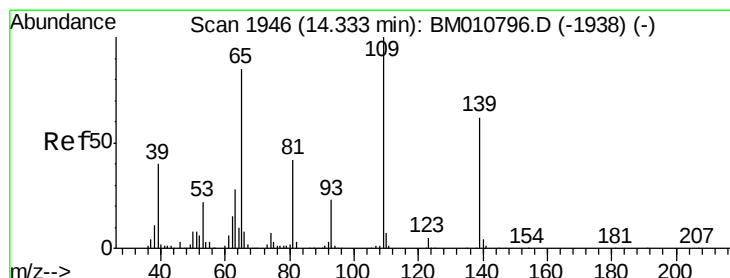
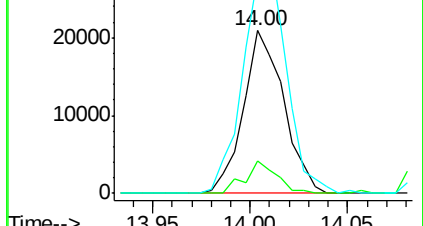
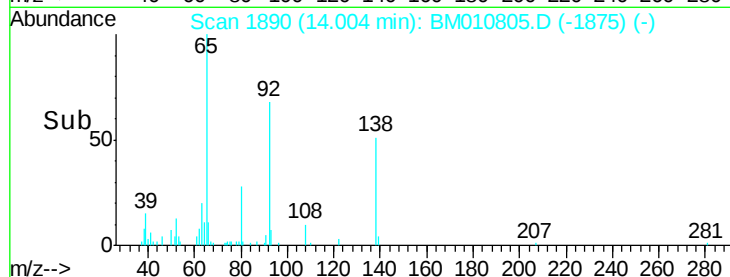
92 133.4 76.6 114.8#



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): BM



#55

4-Nitrophenol

Concen: 4.490 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

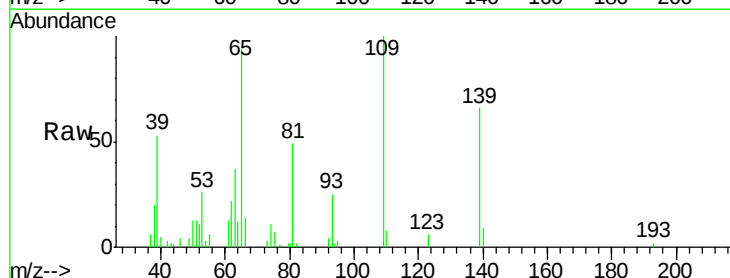
Tgt Ion:139 Resp: 26140

Ion Ratio Lower Upper

139 100

109 150.5 37.7 77.7#

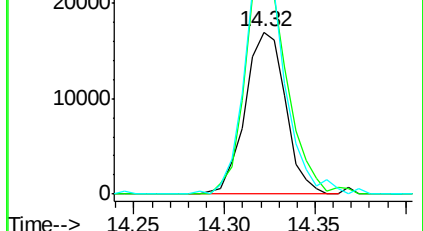
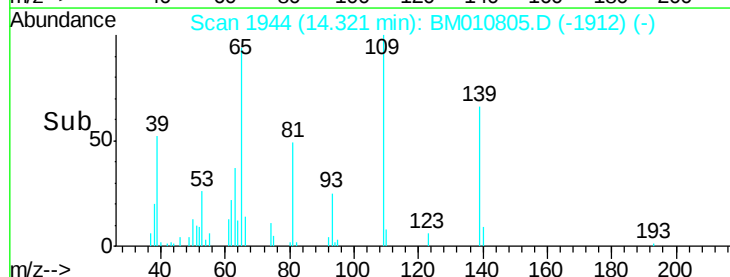
65 141.7 49.9 89.9#

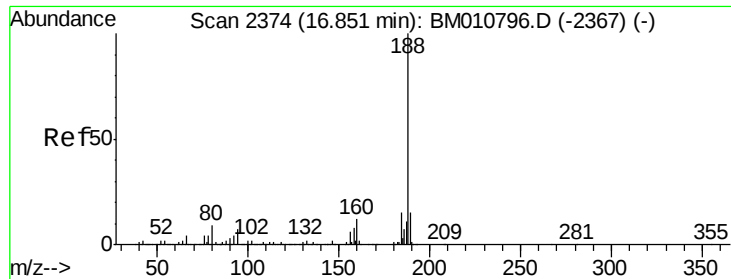


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

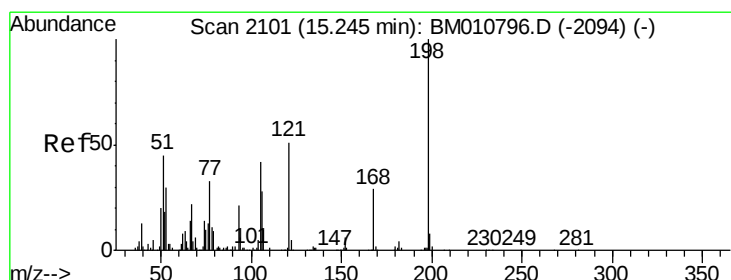
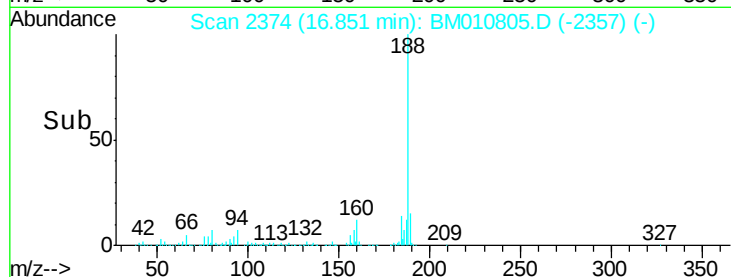
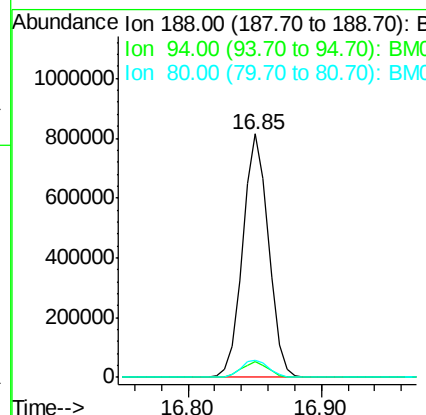
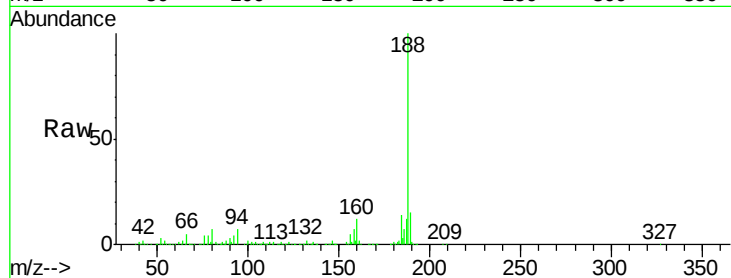




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.85 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BM010805.D
Acq: 13 Jul 2017 10:41

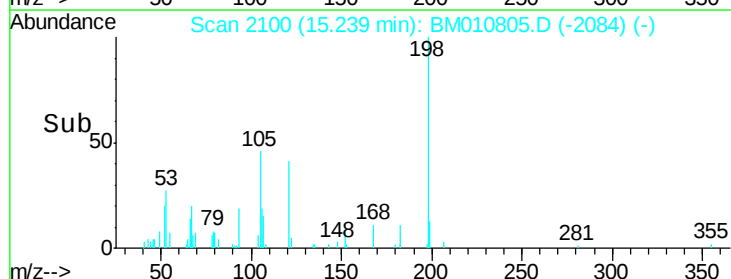
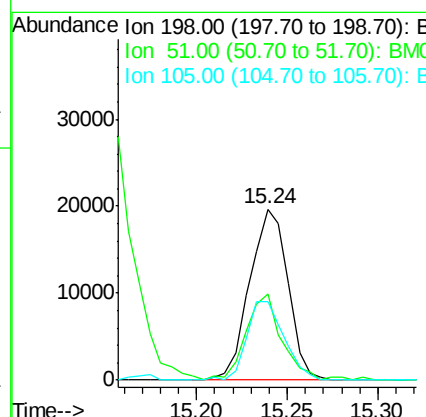
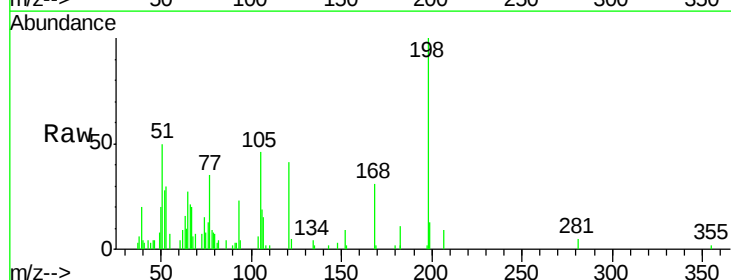
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

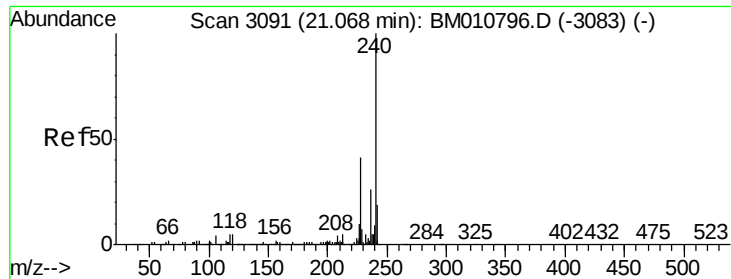
Tgt Ion:188 Resp: 1084899
Ion Ratio Lower Upper
188 100
94 6.6 8.7 13.1#
80 7.1 9.3 13.9#



#64
4,6-Dinitro-2-methylphenol
Concen: 4.040 ng
RT: 15.24 min Scan# 2100
Delta R.T. -0.01 min
Lab File: BM010805.D
Acq: 13 Jul 2017 10:41

Tgt Ion:198 Resp: 28902
Ion Ratio Lower Upper
198 100
51 50.5 28.8 68.8
105 46.1 30.5 70.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

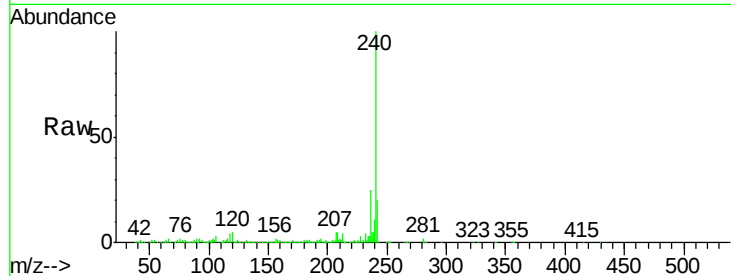
Tgt Ion:240 Resp: 1220852

Ion Ratio Lower Upper

240 100

120 4.7 8.2 12.2#

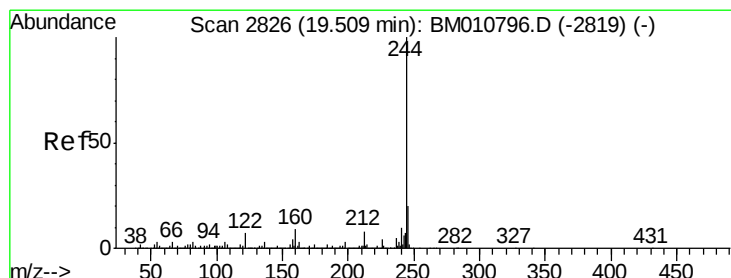
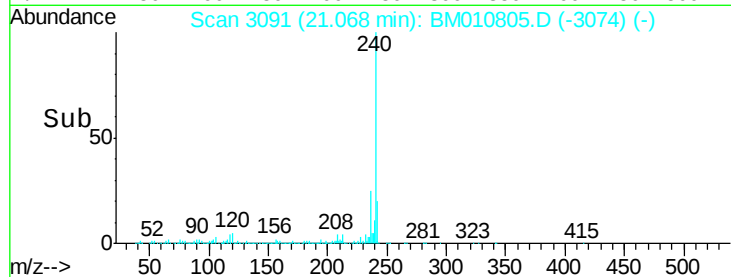
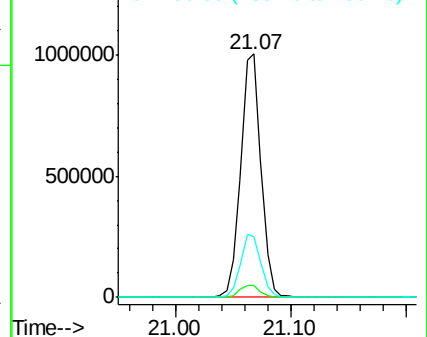
236 25.0 20.0 30.0



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: 94.768 ng

RT: 19.52 min Scan# 2827

Delta R.T. 0.01 min

Lab File: BM010805.D

Acq: 13 Jul 2017 10:41

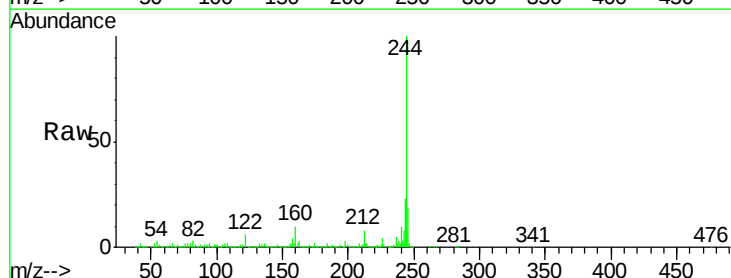
Tgt Ion:244 Resp: 5981969

Ion Ratio Lower Upper

244 100

212 8.2 4.9 7.3#

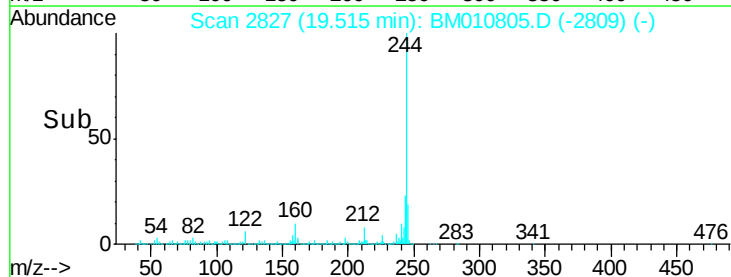
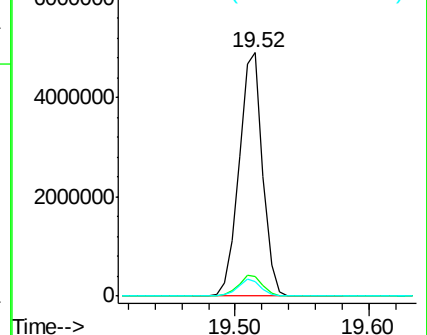
122 6.1 6.2 9.4#

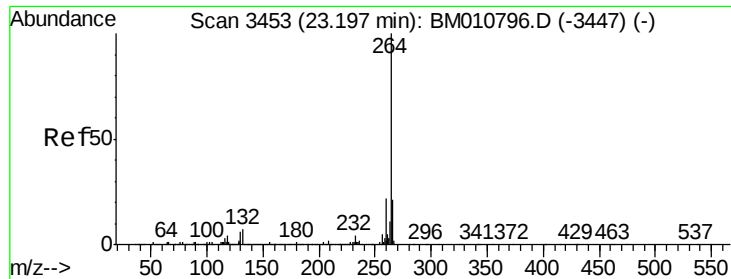


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.20 min Scan# 3453
Delta R.T. 0.00 min
Lab File: BM010805.D
Acq: 13 Jul 2017 10:41

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion: 264 Resp: 1150086

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	21.1	17.3	25.9

