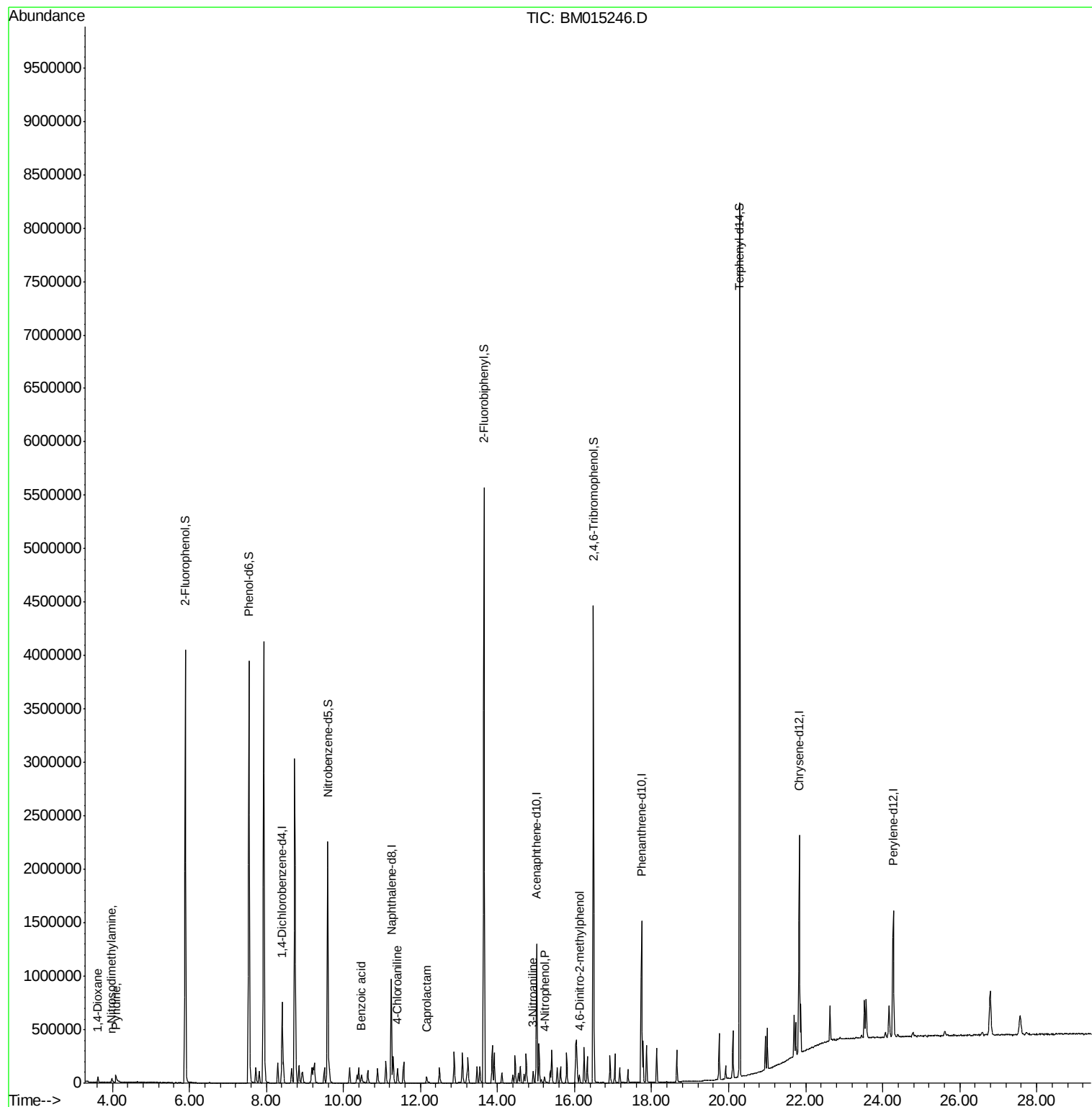
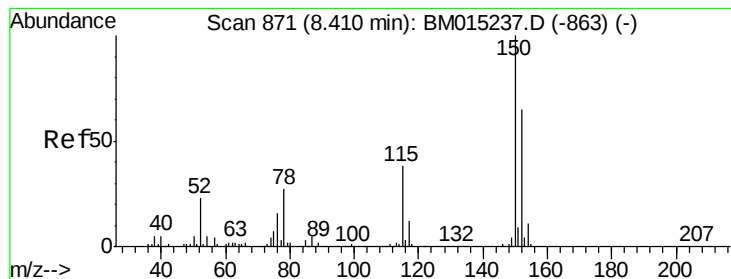


Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015246.D
Acq On : 22 May 2018 18:45
Operator : SJ/JU
Sample : J2133-01
Misc : LOD 5 PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 23 05:12:54 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.40 min Scan# 870

Delta R.T. -0.01 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

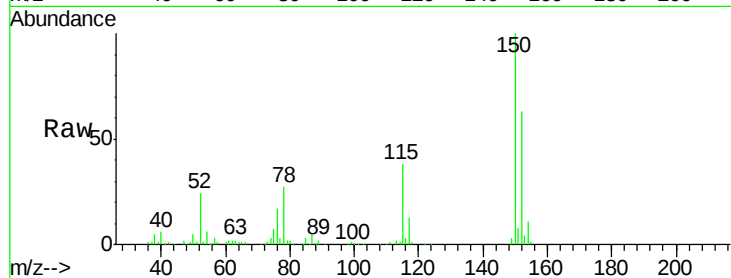
Tgt Ion:152 Resp: 200599

Ion Ratio Lower Upper

152 100

150 157.5 119.5 179.3

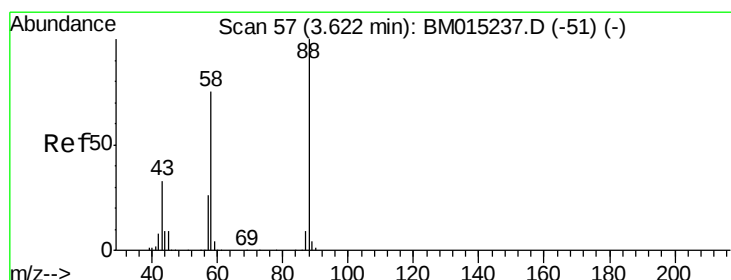
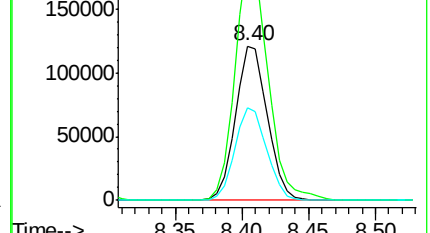
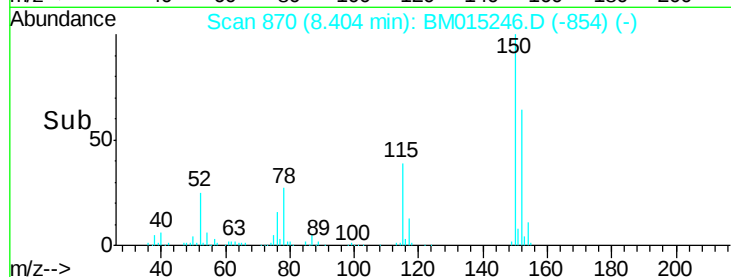
115 60.2 43.0 64.4



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: 4.804 ng

RT: 3.62 min Scan# 57

Delta R.T. 0.00 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

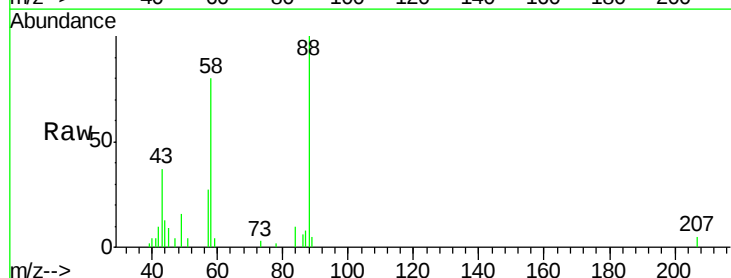
Tgt Ion: 88 Resp: 24334

Ion Ratio Lower Upper

88 100

58 75.3 0.0 0.0#

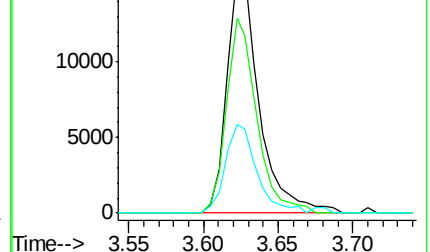
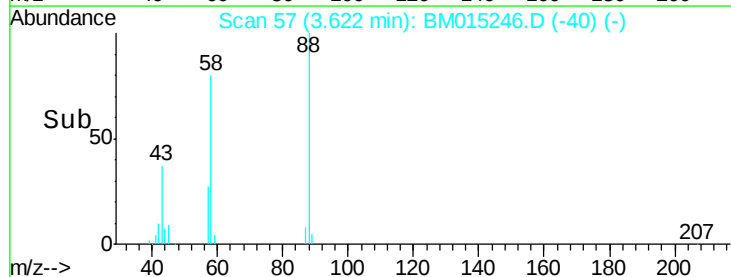
43 35.8 0.0 0.0#

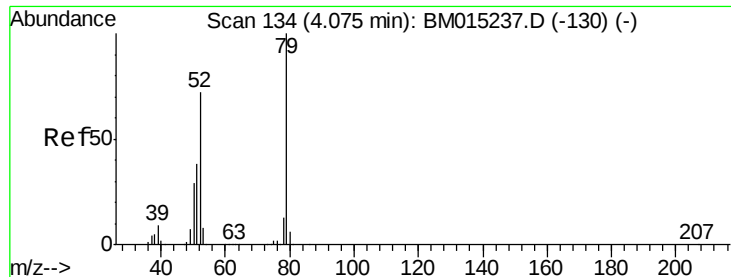


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0

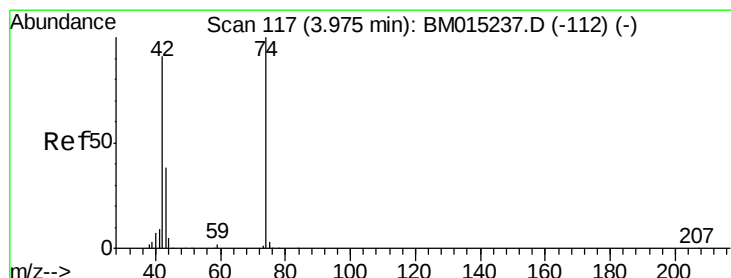
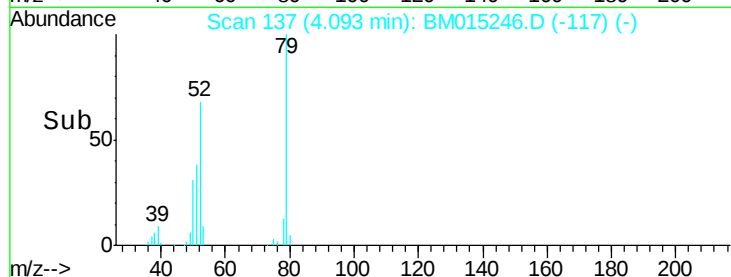
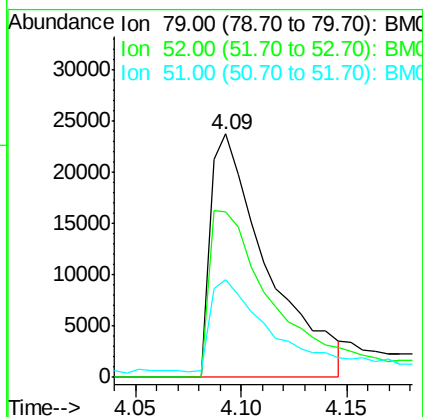
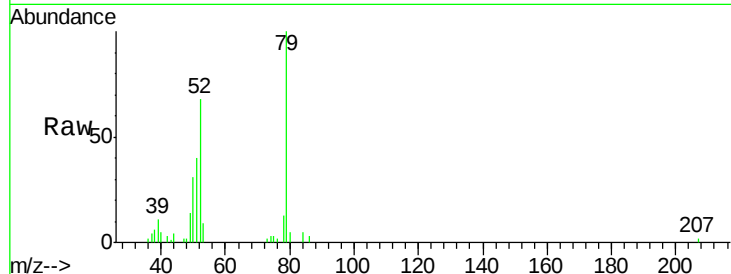




#3
 Pyridine
 Concen: 3.433 ng
 RT: 4.09 min Scan# 137
 Delta R.T. 0.02 min
 Lab File: BM015246.D
 Acq: 22 May 2018 18:45

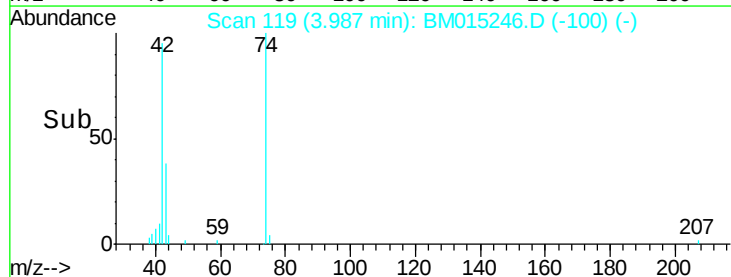
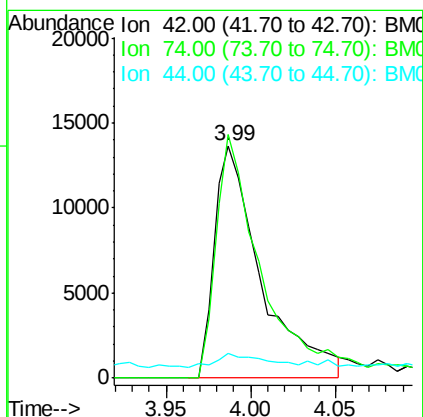
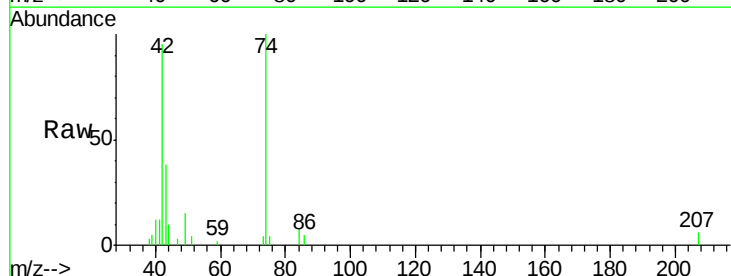
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

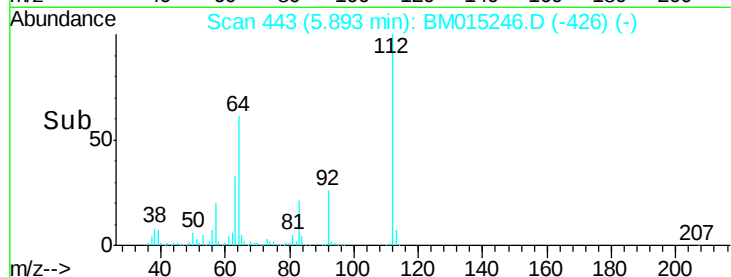
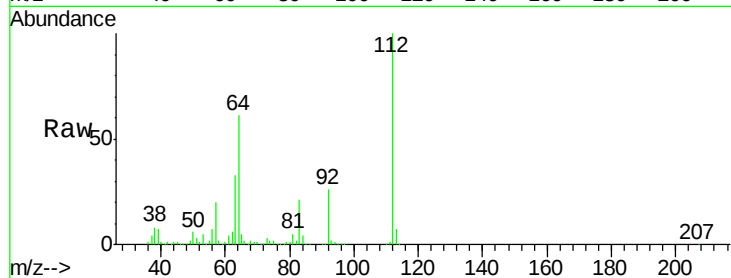
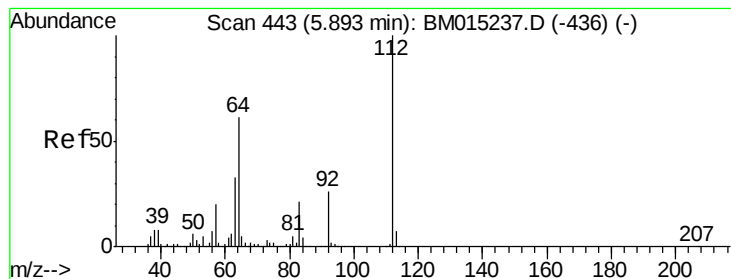
Tgt Ion: 79 Resp: 44550
 Ion Ratio Lower Upper
 79 100
 52 67.7 51.1 76.7
 51 40.4 26.1 39.1#



#4
 n-Nitrosodimethylamine
 Concen: 3.764 ng
 RT: 3.99 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: BM015246.D
 Acq: 22 May 2018 18:45

Tgt Ion: 42 Resp: 26430
 Ion Ratio Lower Upper
 42 100
 74 104.7 119.3 178.9#
 44 10.5 5.4 8.2#





#5

2-Fluorophenol

Concen: 135.678 ng

RT: 5.89 min Scan# 443

Delta R.T. 0.00 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

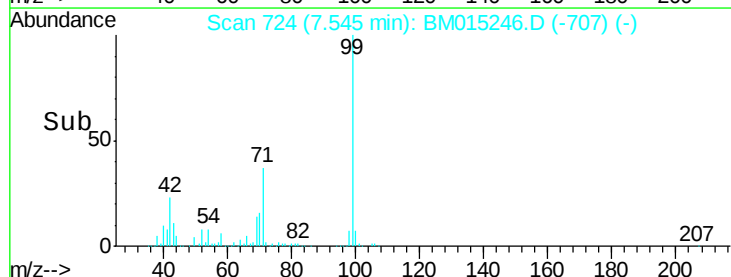
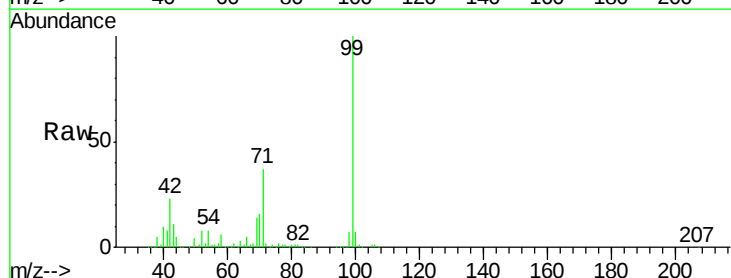
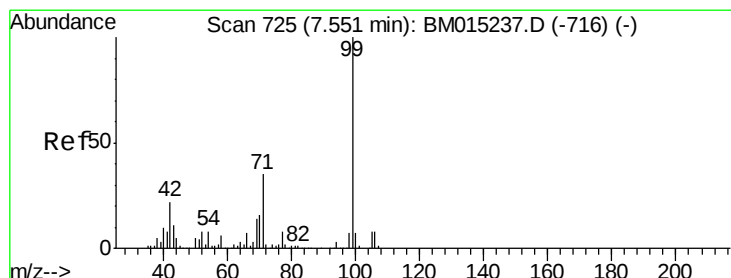
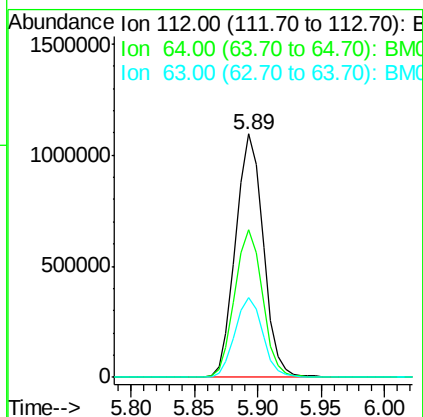
Tgt Ion: 112 Resp: 1663547

Ion Ratio Lower Upper

112 100

64 60.7 38.6 57.8#

63 33.0 19.3 28.9#



#7

Phenol-d6

Concen: 132.673 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

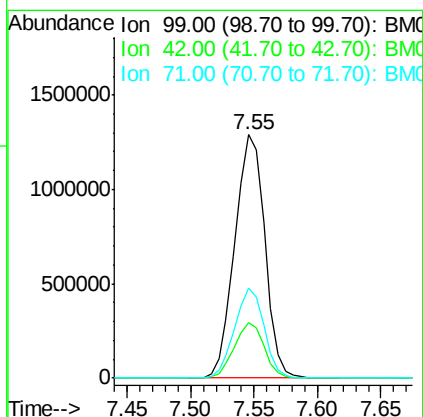
Tgt Ion: 99 Resp: 2118283

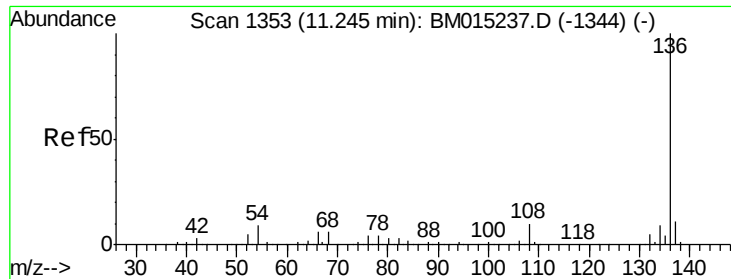
Ion Ratio Lower Upper

99 100

42 23.0 11.0 16.4#

71 36.7 23.4 35.2#

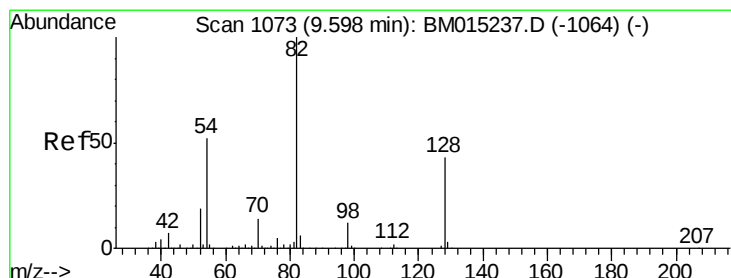
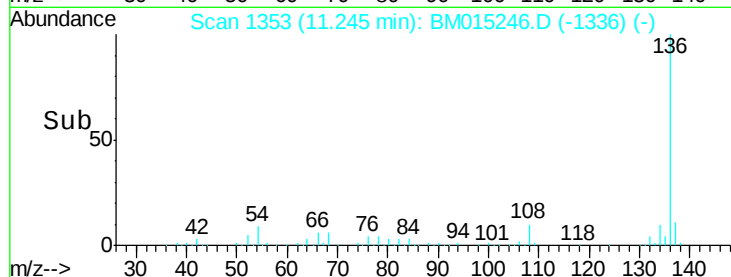
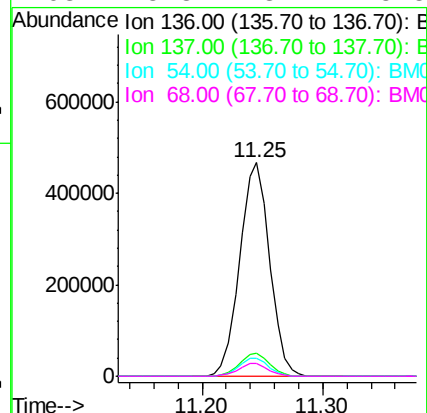
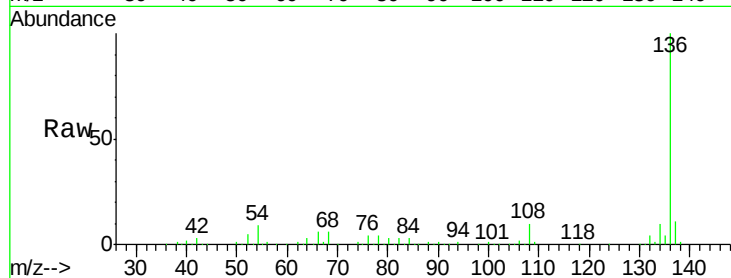




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.25 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM015246.D
Acq: 22 May 2018 18:45

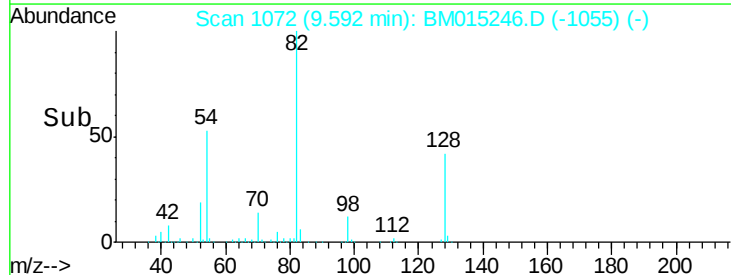
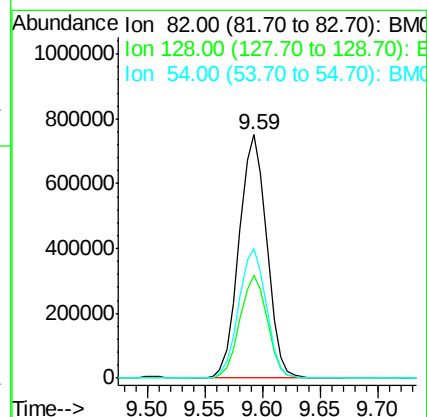
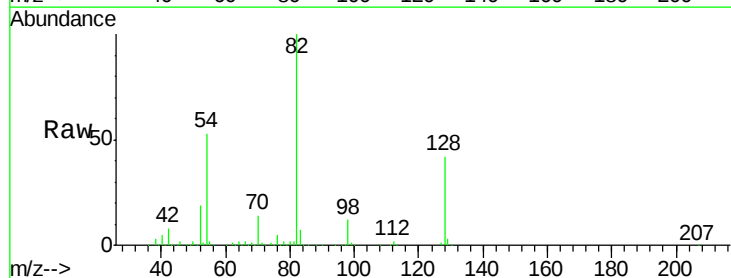
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

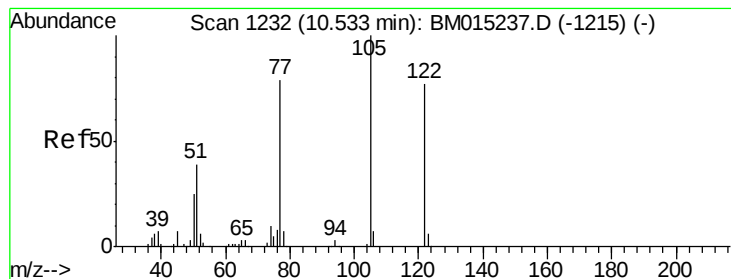
Tgt Ion: 136 Resp: 805765
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 8.6 4.6 6.8#
68 5.8 3.7 5.5#



#23
Nitrobenzene-d5
Concen: 84.912 ng
RT: 9.59 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BM015246.D
Acq: 22 May 2018 18:45

Tgt Ion: 82 Resp: 1248982
Ion Ratio Lower Upper
82 100
128 42.1 32.8 49.2
54 53.1 40.6 60.8





#32

Benzoic acid

Concen: 3.797 ng

RT: 10.47 min Scan# 1221

Delta R.T. -0.05 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

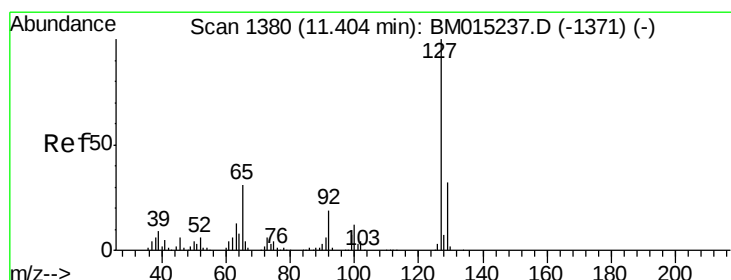
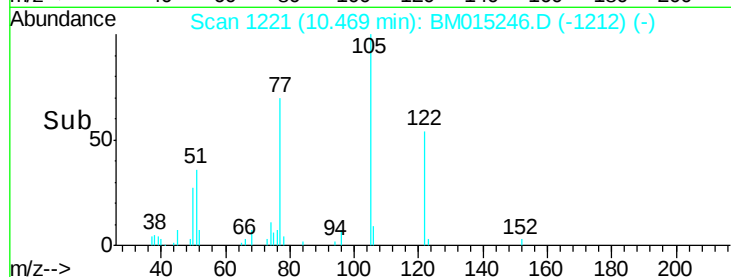
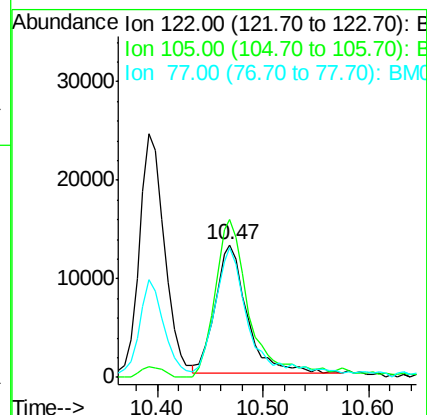
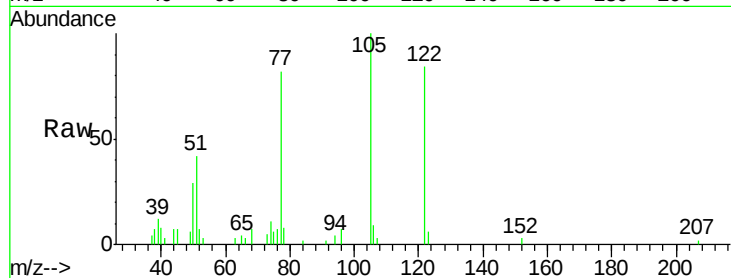
Tgt Ion:122 Resp: 27378

Ion Ratio Lower Upper

122 100

105 119.4 99.9 139.9

77 97.5 73.7 113.7



#33

4-Chloroaniline

Concen: 4.303 ng

RT: 11.40 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

Tgt Ion:127 Resp: 71912

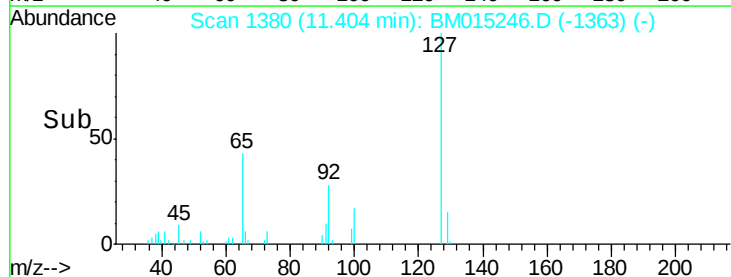
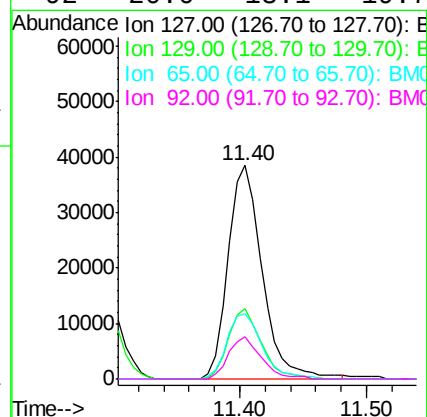
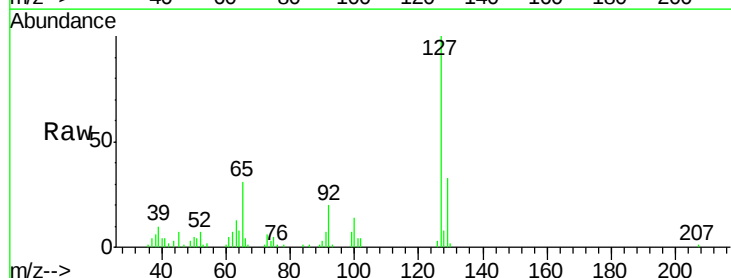
Ion Ratio Lower Upper

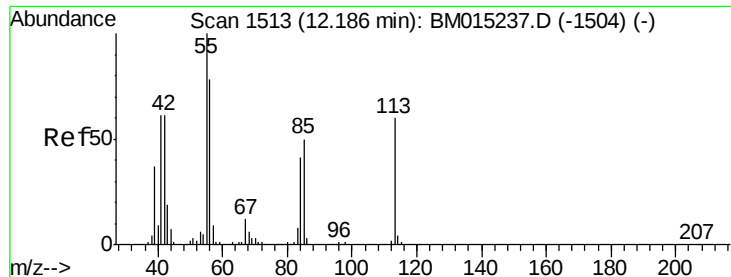
127 100

129 33.2 25.3 37.9

65 30.9 17.6 26.4#

92 20.0 13.1 19.7#

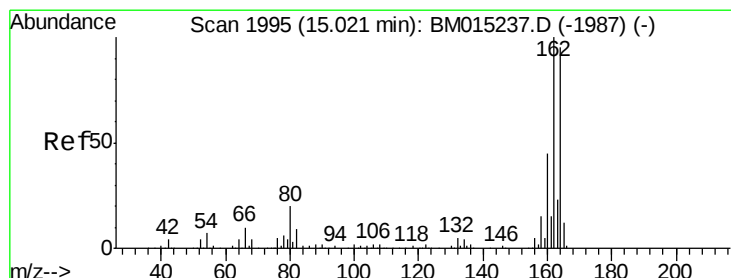
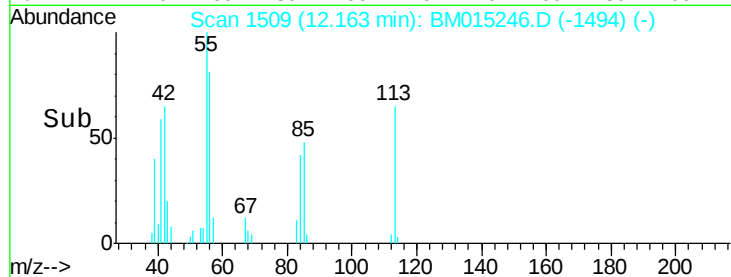
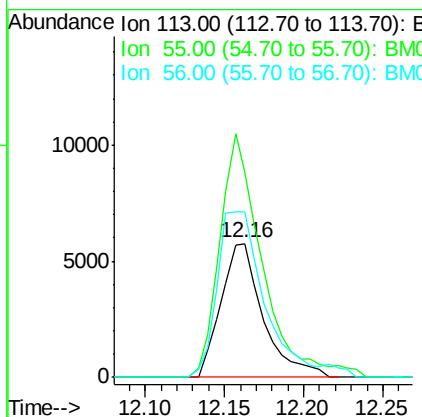
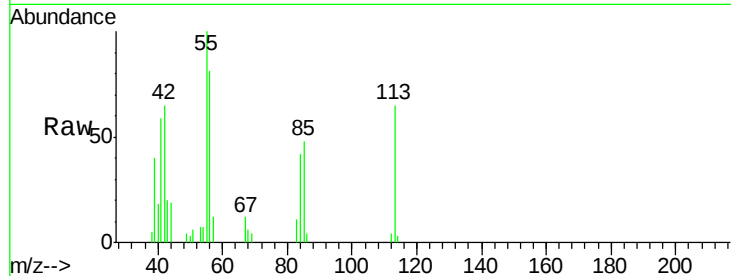




#35
 Caprolactam
 Concen: 3.192 ng
 RT: 12.16 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: BM015246.D
 Acq: 22 May 2018 18:45

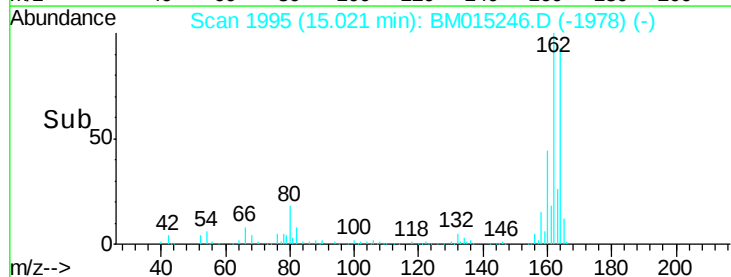
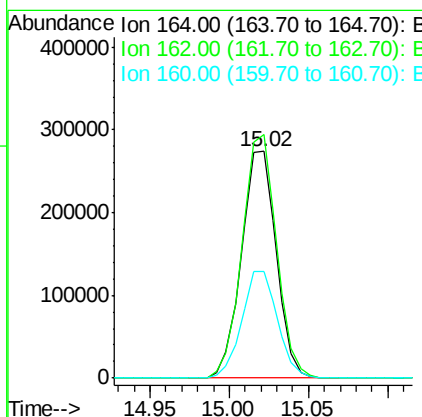
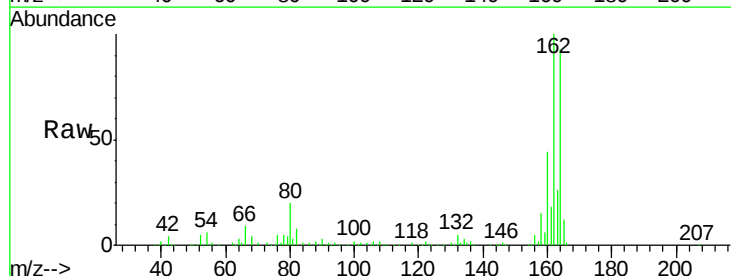
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

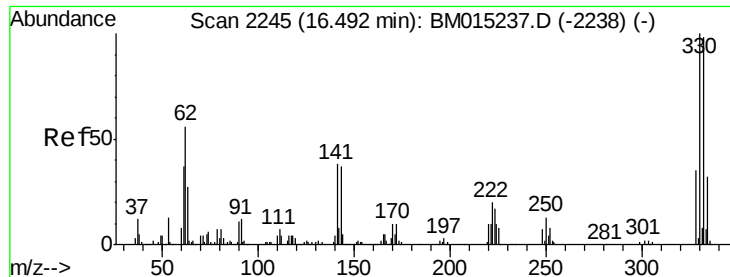
Tgt Ion:113 Resp: 10663
 Ion Ratio Lower Upper
 113 100
 55 152.9 145.9 185.9
 56 123.3 101.0 141.0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.02 min Scan# 1995
 Delta R.T. 0.00 min
 Lab File: BM015246.D
 Acq: 22 May 2018 18:45

Tgt Ion:164 Resp: 417656
 Ion Ratio Lower Upper
 164 100
 162 107.4 82.4 123.6
 160 47.1 35.8 53.6

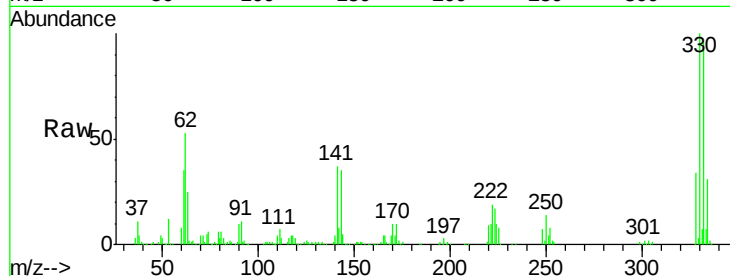




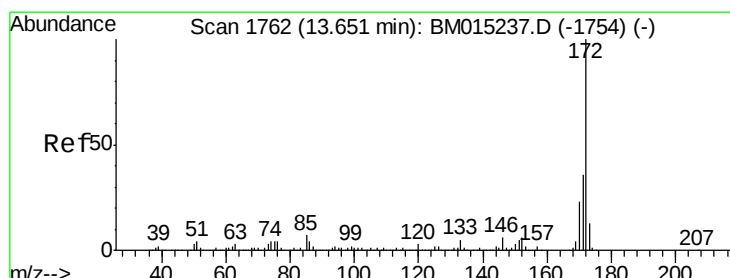
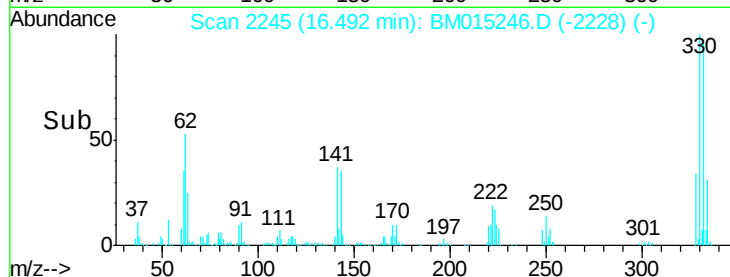
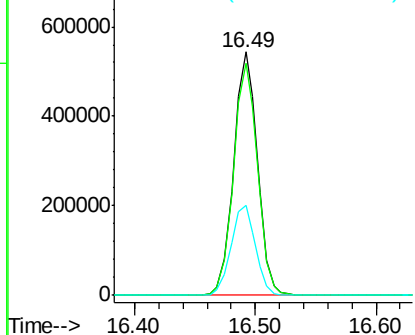
#41
 2,4,6-Tribromophenol
 Concen: 142.370 ng
 RT: 16.49 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BM015246.D
 Acq: 22 May 2018 18:45

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:330 Resp: 745632
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 37.9 0.0 0.0#

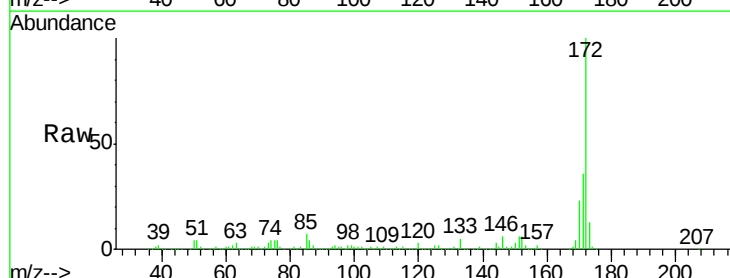


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

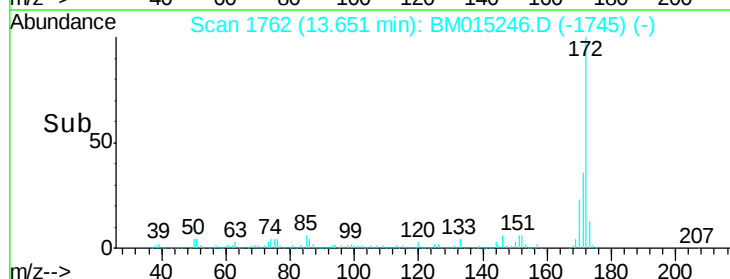
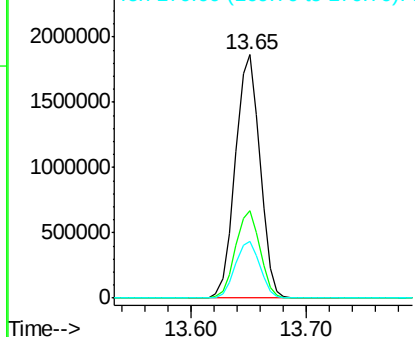


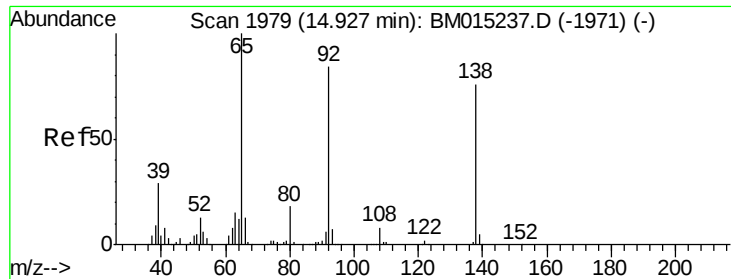
#44
 2-Fluorobiphenyl
 Concen: 81.972 ng
 RT: 13.65 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BM015246.D
 Acq: 22 May 2018 18:45

Tgt Ion:172 Resp: 2754015
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.5 42.7
 170 23.3 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

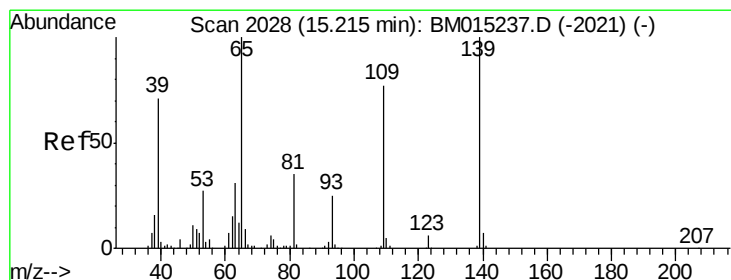
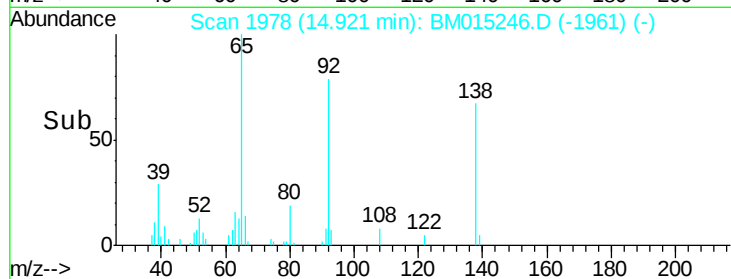
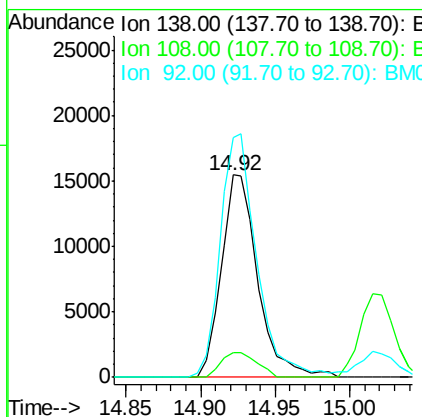
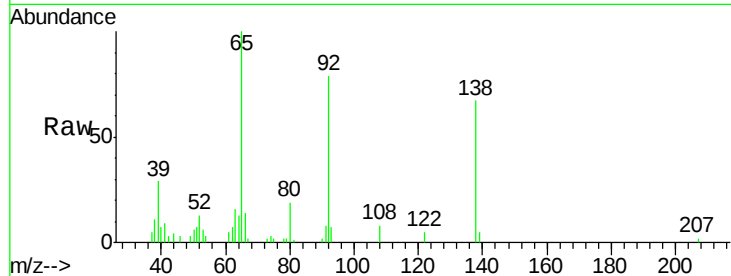




#52
3-Nitroaniline
Concen: 3.605 ng
RT: 14.92 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM015246.D
Acq: 22 May 2018 18:45

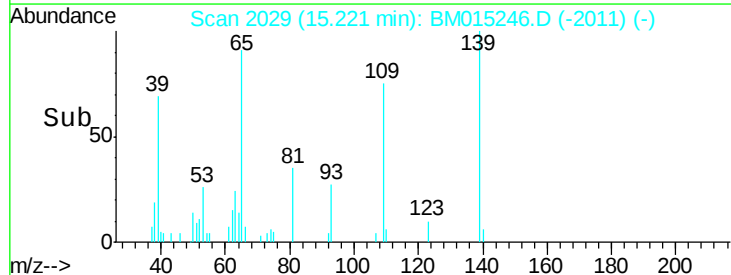
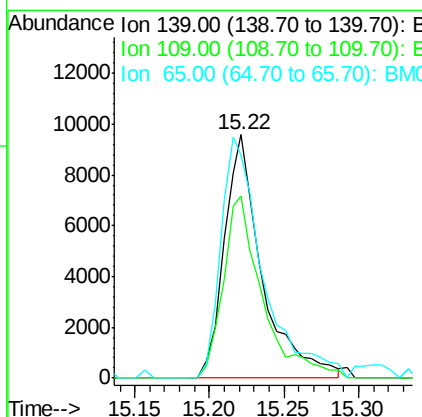
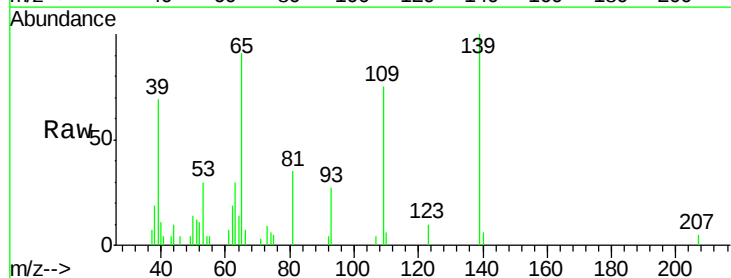
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

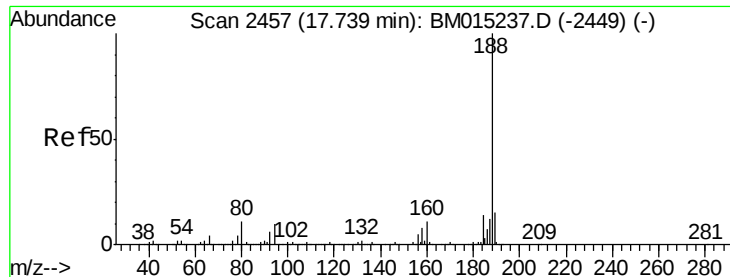
Tgt Ion:138 Resp: 26399
Ion Ratio Lower Upper
138 100
108 12.5 7.3 10.9#
92 118.2 76.6 114.8#



#55
4-Nitrophenol
Concen: 2.854 ng
RT: 15.22 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BM015246.D
Acq: 22 May 2018 18:45

Tgt Ion:139 Resp: 16948
Ion Ratio Lower Upper
139 100
109 75.0 130.0 170.0#
65 91.5 130.0 170.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.74 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

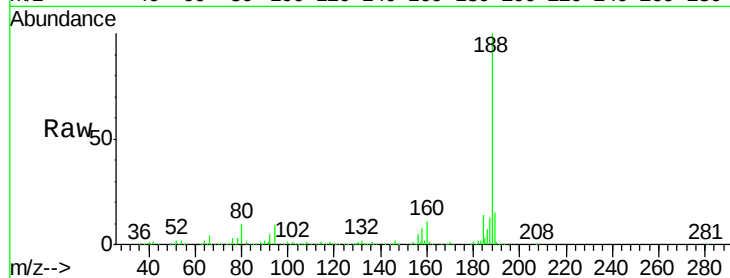
Tgt Ion:188 Resp: 867504

Ion Ratio Lower Upper

188 100

94 8.7 8.7 13.1#

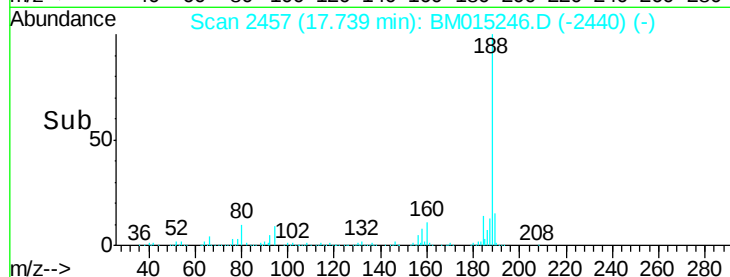
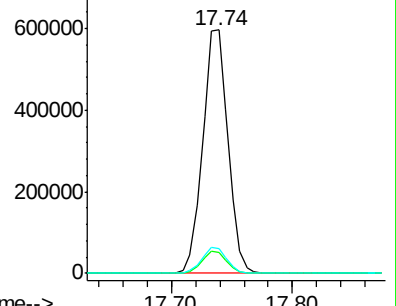
80 10.0 9.3 13.9



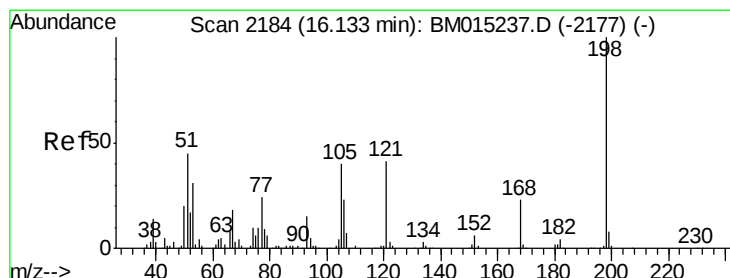
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 2.876 ng

RT: 16.13 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

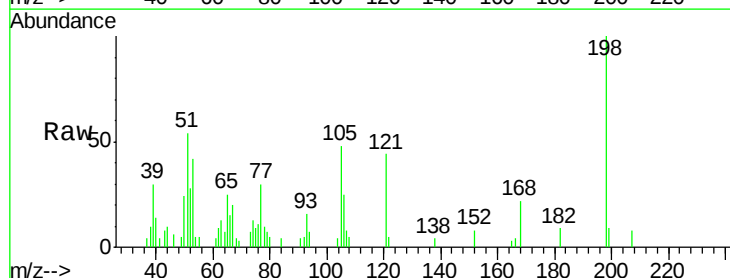
Tgt Ion:198 Resp: 13771

Ion Ratio Lower Upper

198 100

51 54.2 28.8 68.8

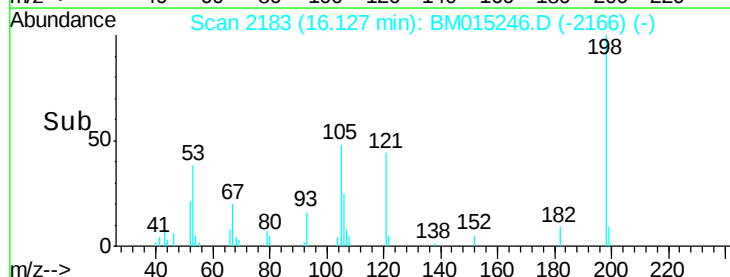
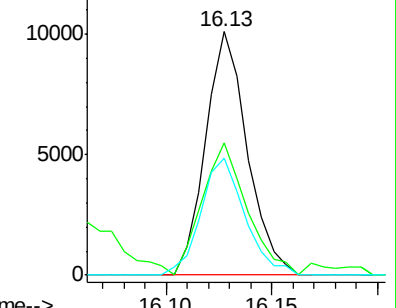
105 47.9 30.5 70.5



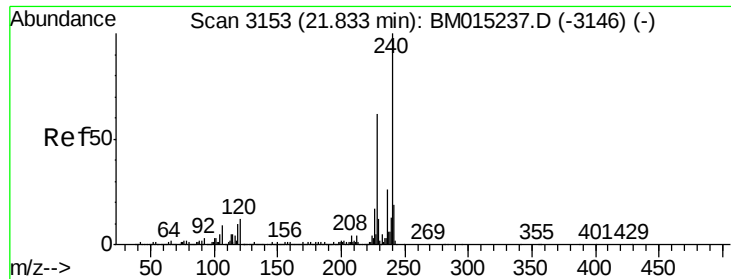
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

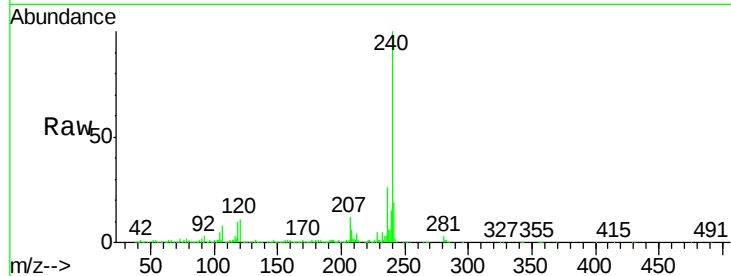
Tgt Ion:240 Resp: 876390

Ion Ratio Lower Upper

240 100

120 10.7 8.2 12.2

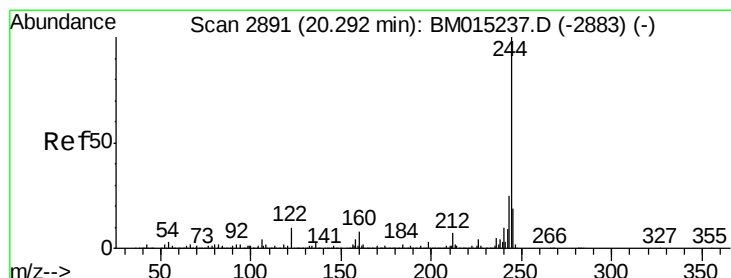
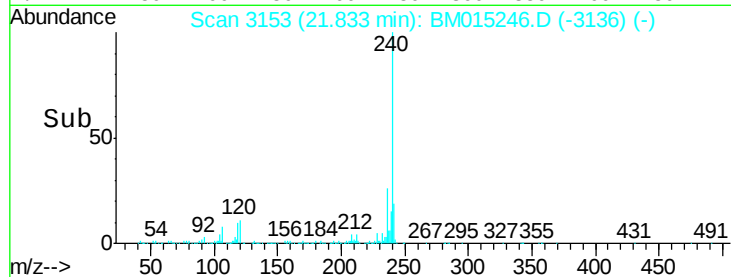
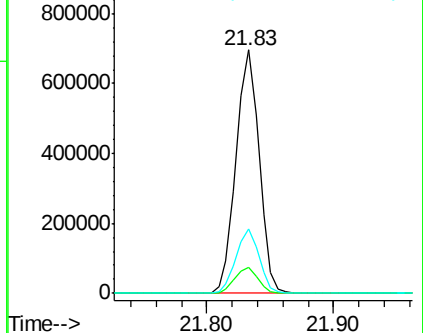
236 26.3 20.0 30.0



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



#78

Terphenyl-d14

Concen: 91.884 ng

RT: 20.29 min Scan# 2891

Delta R.T. 0.01 min

Lab File: BM015246.D

Acq: 22 May 2018 18:45

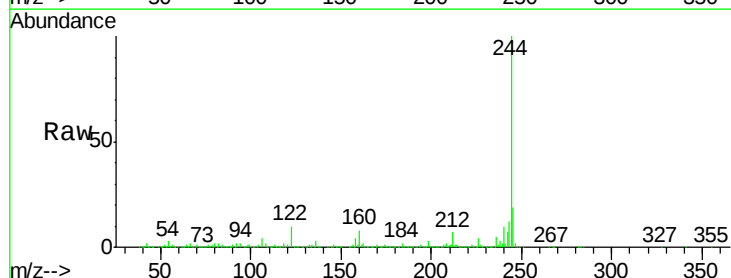
Tgt Ion:244 Resp: 3646650

Ion Ratio Lower Upper

244 100

212 7.2 4.9 7.3

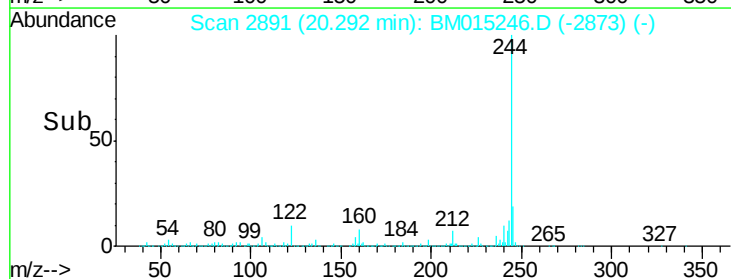
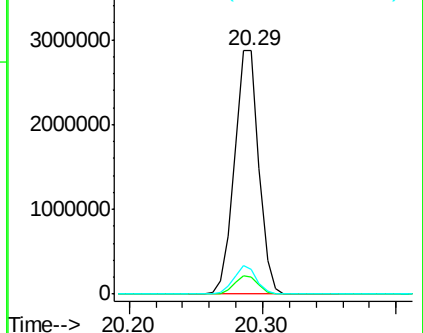
122 10.2 6.2 9.4#

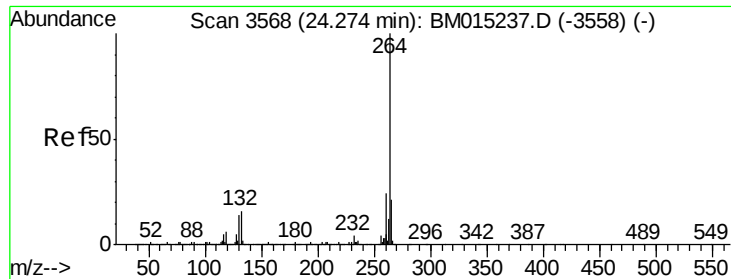


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

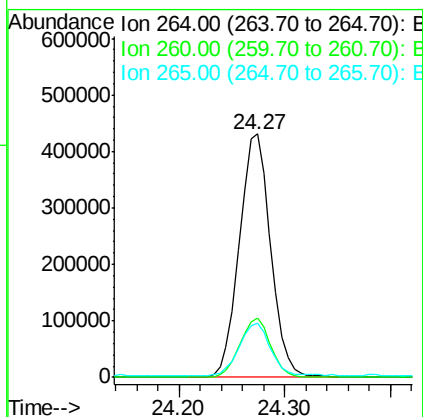
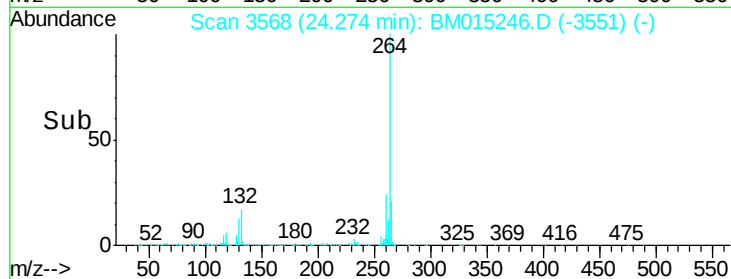
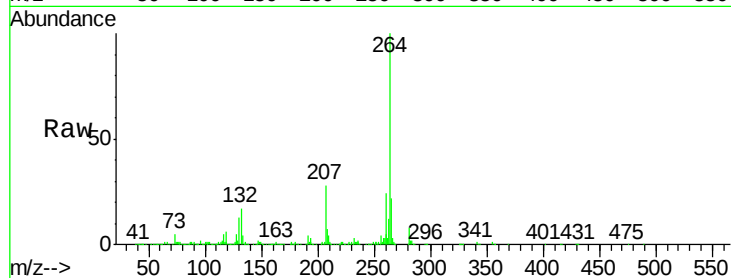




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3568
Delta R.T. 0.00 min
Lab File: BM015246.D
Acq: 22 May 2018 18:45

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	22.1	17.3	25.9



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015246.D
 Acq On : 22 May 2018 18:45
 Operator : SJ/JU
 Sample : J2133-01
 Misc : LOD 5 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 23 05:12:54 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	200599	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	805765	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	417656	20.00	ng	0.00
63) Phenanthrene-d10	17.74	188	867504	20.00	ng	0.00
75) Chrysene-d12	21.83	240	876390	20.00	ng	0.00
86) Perylene-d12	24.27	264	886562	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.89	112	1663547	135.68	ng	0.00
7) Phenol-d6	7.55	99	2118283	132.67	ng	0.00
23) Nitrobenzene-d5	9.59	82	1248982	84.91	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	745632	142.37	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2754015	81.97	ng	0.00
78) Terphenyl-d14	20.29	244	3646650	91.88	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.62	88	24334	4.804	ng	# 100
3) Pyridine	4.09	79	44550	3.433	ng	# 92
4) n-Nitrosodimethylamine	3.99	42	26430	3.764	ng	# 66
32) Benzoic acid	10.47	122	27378	3.797	ng	# 98
33) 4-Chloroaniline	11.40	127	71912	4.303	ng	# 91
35) Caprolactam	12.16	113	10663	3.192	ng	# 94
52) 3-Nitroaniline	14.92	138	26399	3.605	ng	# 78
55) 4-Nitrophenol	15.22	139	16948	2.854	ng	# 47
64) 4,6-Dinitro-2-methylphenol	16.13	198	13771	2.876	ng	# 94

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