

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016033.D
 Acq On : 23 Jul 2018 19:37
 Operator : SJ/JU
 Sample : J3762-01
 Misc : LOD 5 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Jul 24 07:36:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

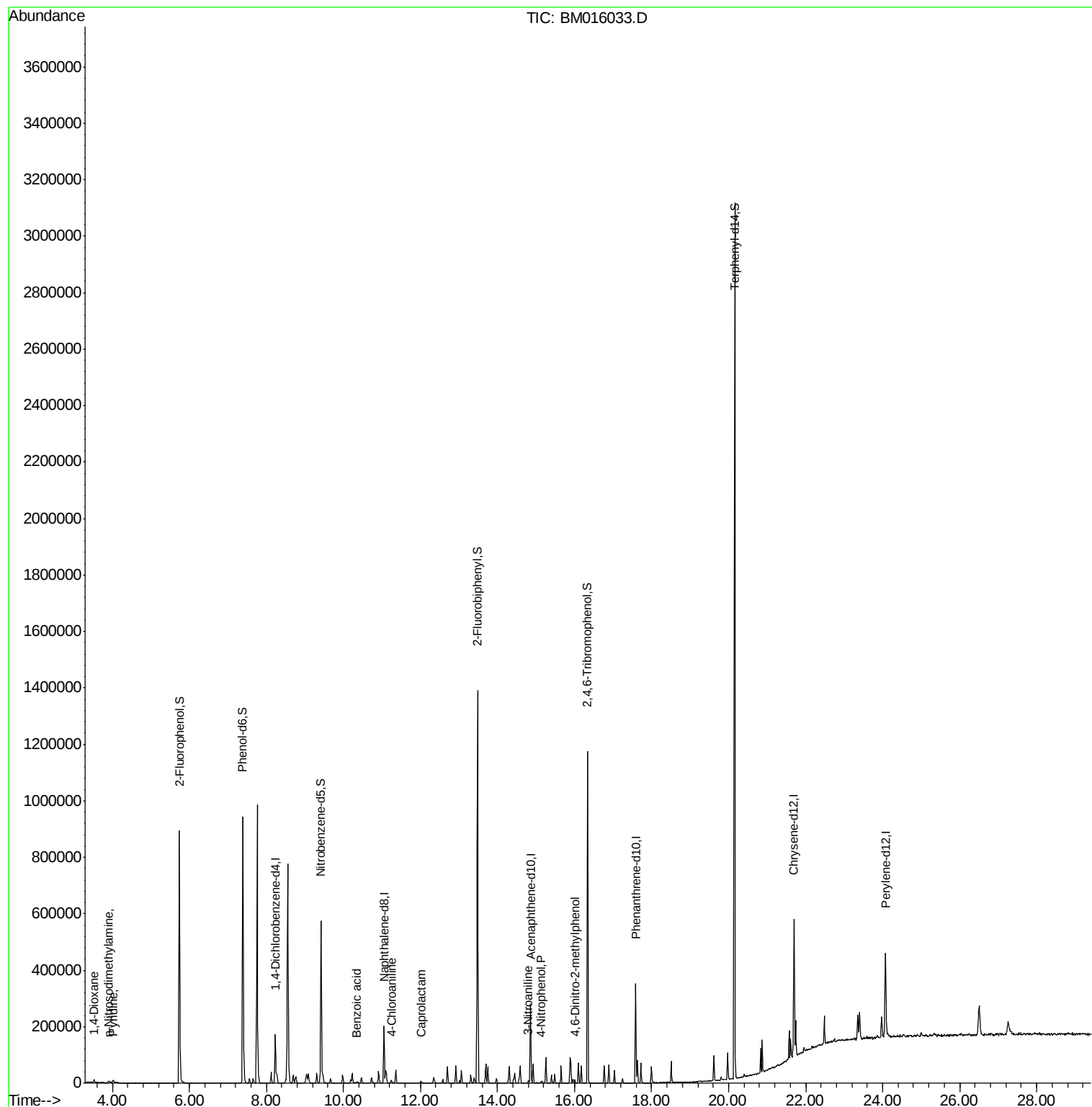
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	38327	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	143727	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	77287	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	168605	20.00	ng	0.00
75) Chrysene-d12	21.70	240	188728	20.00	ng	0.00
86) Perylene-d12	24.07	264	200503	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	301044	130.47	ng	0.00
7) Phenol-d6	7.39	99	365920	121.44	ng	0.00
23) Nitrobenzene-d5	9.42	82	279522	90.46	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	129644	132.26	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	563804	88.76	ng	0.00
78) Terphenyl-d14	20.16	244	1091924	121.11	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.52	88	4435	4.103	ng	# 100
3) Pyridine	4.01	79	6411	2.462	ng	# 76
4) n-Nitrosodimethylamine	3.90	42	6947	3.420	ng	# 40
32) Benzoic acid	10.35	122	2070	1.501	ng	# 89
33) 4-Chloroaniline	11.25	127	7400	2.493	ng	# 84
35) Caprolactam	12.02	113	1216	2.042	ng	# 87
52) 3-Nitroaniline	14.80	138	3577	2.433	ng	# 74
55) 4-Nitrophenol	15.13	139	1809	1.717	ng	# 68
64) 4,6-Dinitro-2-methylphenol	16.02	198	2662	2.601	ng	83

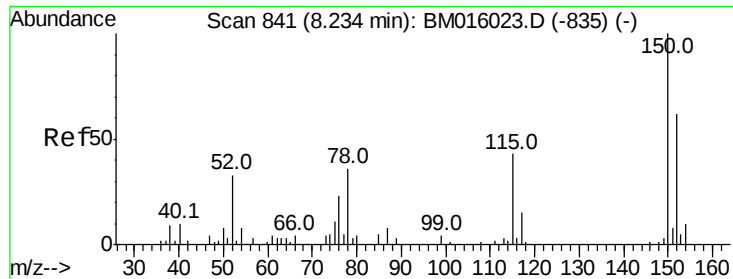
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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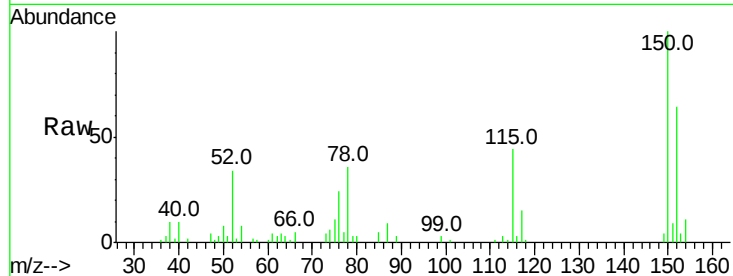


#1

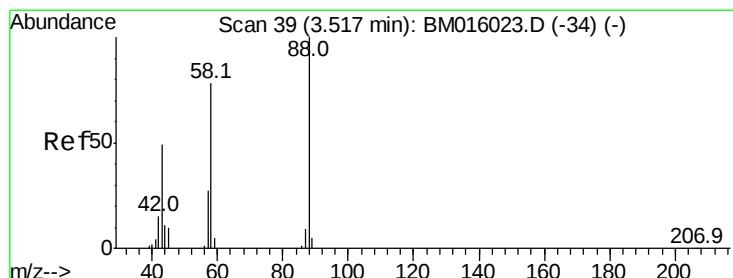
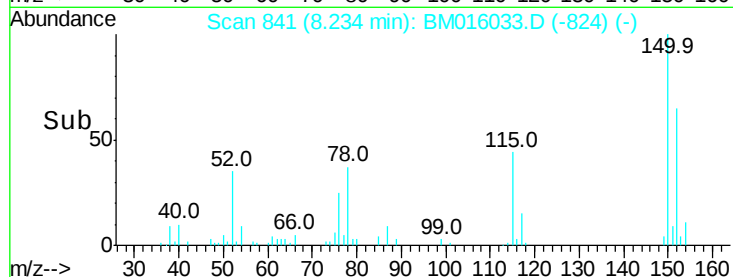
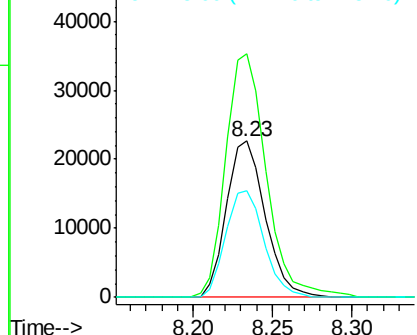
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 841
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:152 Resp: 38327
Ion Ratio Lower Upper
152 100
150 156.0 119.5 179.3
115 68.0 43.0 64.4#



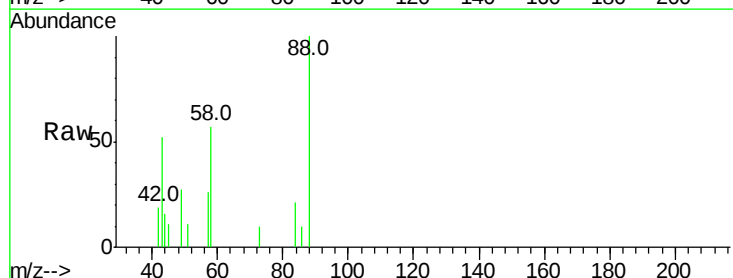
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



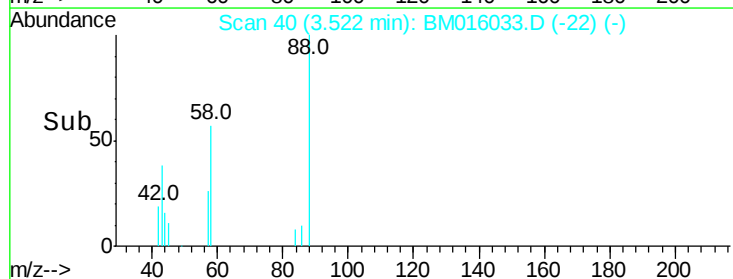
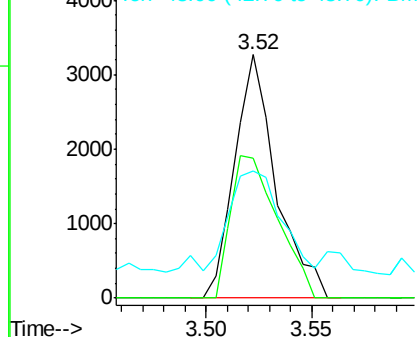
#2

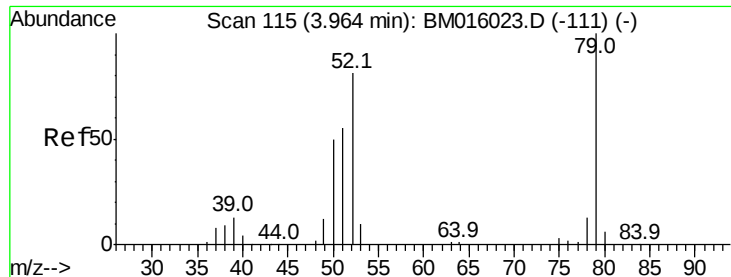
1,4-Dioxane
Concen: 4.103 ng
RT: 3.52 min Scan# 40
Delta R.T. 0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 88 Resp: 4435
Ion Ratio Lower Upper
88 100
58 66.1 0.0 0.0#
43 55.0 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

Pvridine

Concen: 2.462 ng

RT: 4.01 min Scan# 123

Delta R.T. 0.05 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

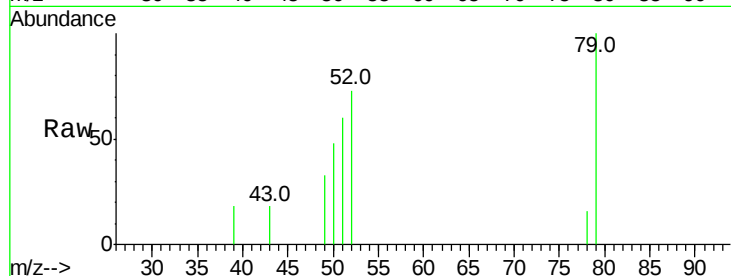
Tot Ion: 79 Resp: 6411

Ion Ratio Lower Upper

79 100

52 73.0 51.1 76.7

51 60.0 26.1 39.1#

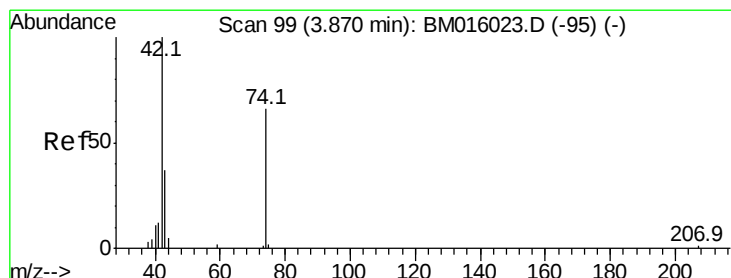
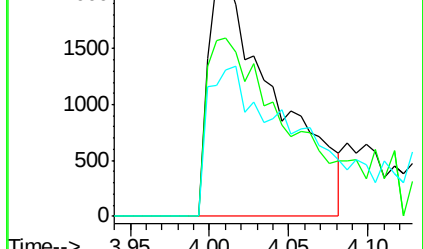
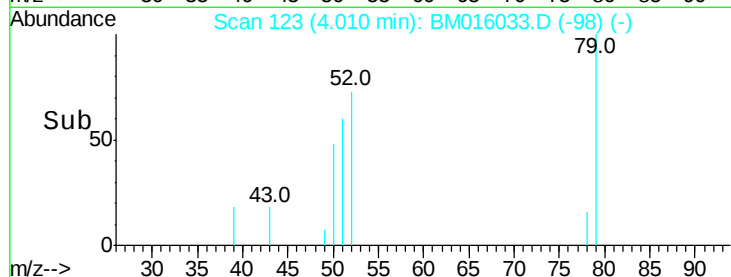


Abundance Ion 79.00 (78.70 to 79.70): BM016033.D (-111) (-)

Ion 52.00 (51.70 to 52.70): BM016033.D (-111) (-)

Ion 51.00 (50.70 to 51.70): BM016033.D (-111) (-)

Time-->



#4

n-Nitrosodimethylamine

Concen: 3.420 ng

RT: 3.90 min Scan# 104

Delta R.T. 0.03 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

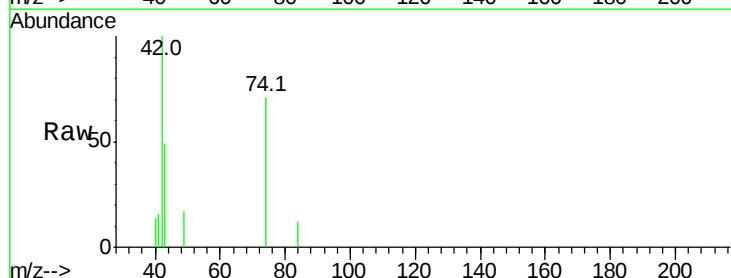
Tgt Ion: 42 Resp: 6947

Ion Ratio Lower Upper

42 100

74 70.6 119.3 178.9#

44 0.0 5.4 8.2#

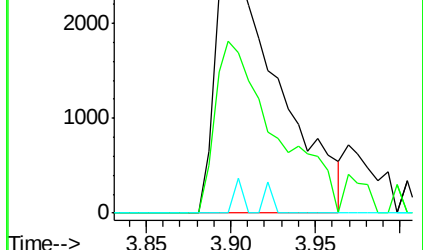
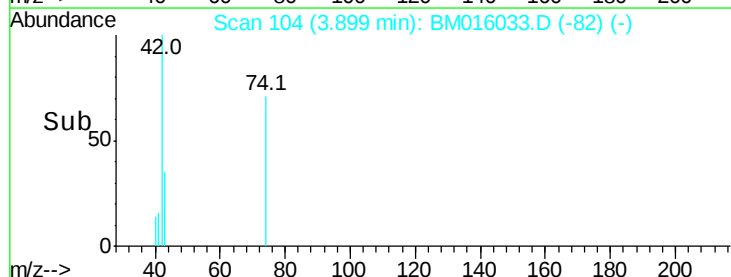


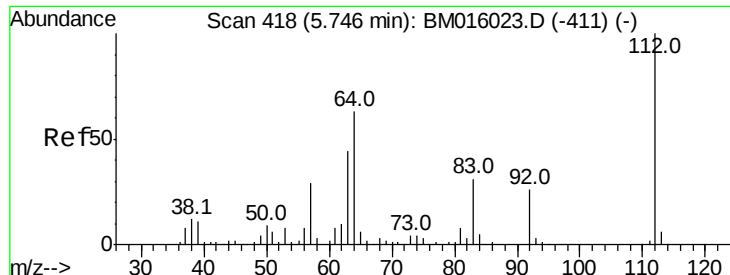
Abundance Ion 42.00 (41.70 to 42.70): BM016033.D (-95) (-)

Ion 74.00 (73.70 to 74.70): BM016033.D (-95) (-)

Ion 44.00 (43.70 to 44.70): BM016033.D (-95) (-)

Time-->





#5

2-Fluorophenol

Concen: 3.420 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

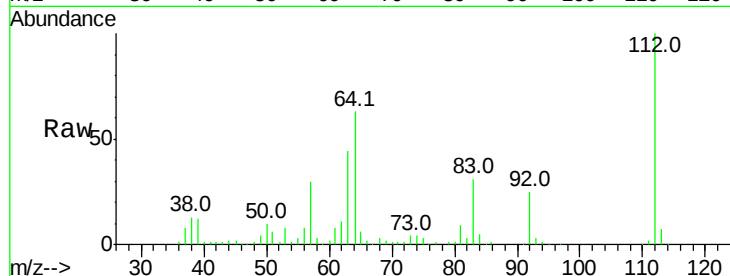
Tot Ion:112 Resp: 301044

Ion Ratio Lower Upper

112 100

64 63.5 38.6 57.8#

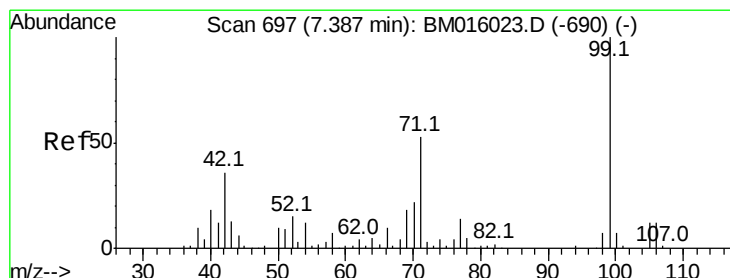
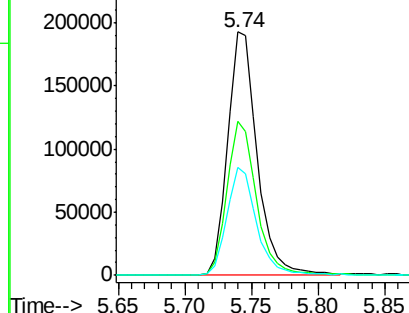
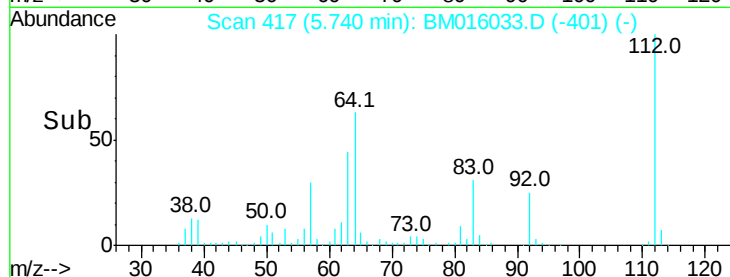
63 44.5 19.3 28.9#



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: N.D. ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

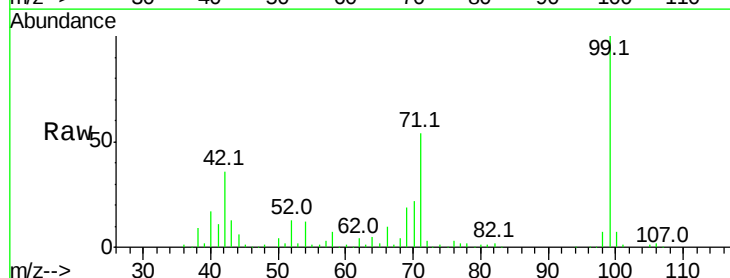
Tgt Ion: 99 Resp: 365920

Ion Ratio Lower Upper

99 100

42 36.3 11.0 16.4#

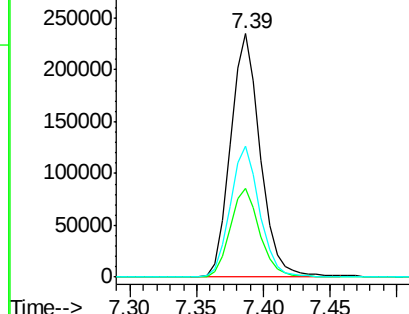
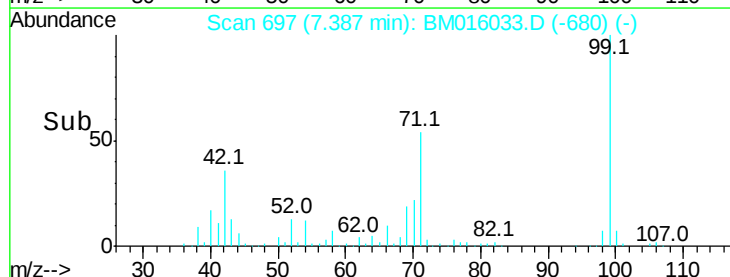
71 53.7 23.4 35.2#

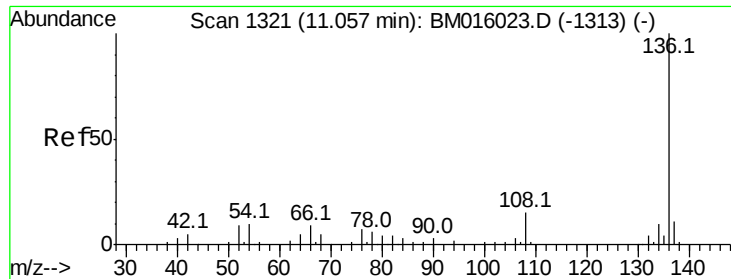


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

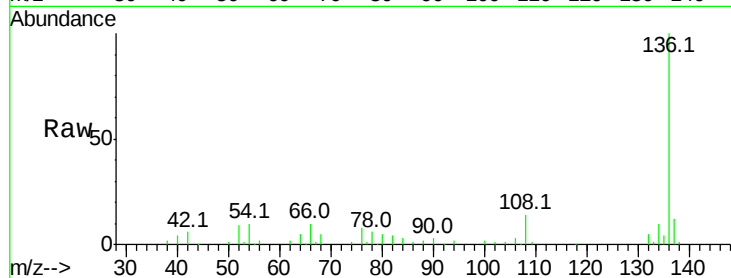




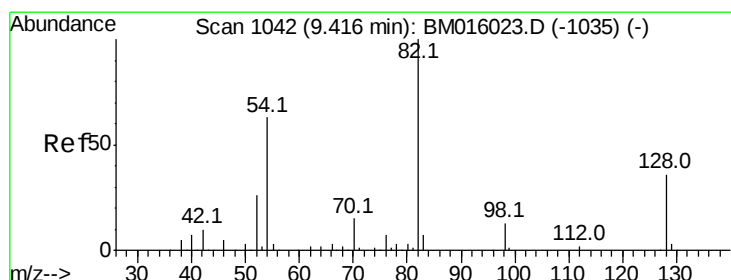
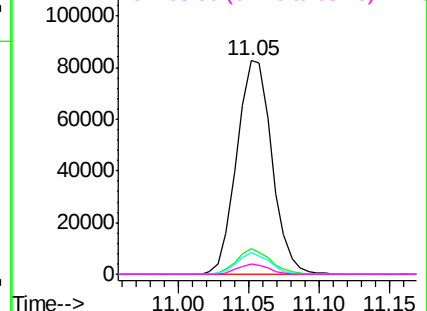
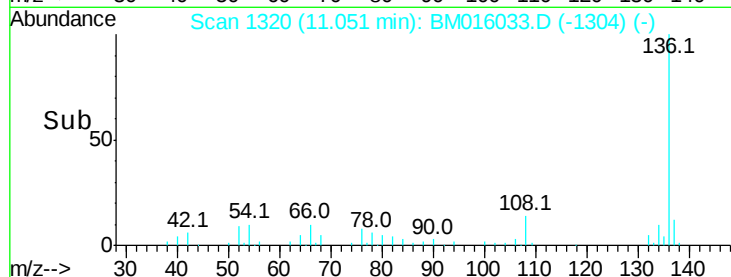
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Instrument :
BNA_M
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LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	136	Resp:	143727
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	10.1	4.6	6.8#
68	4.5	3.7	5.5

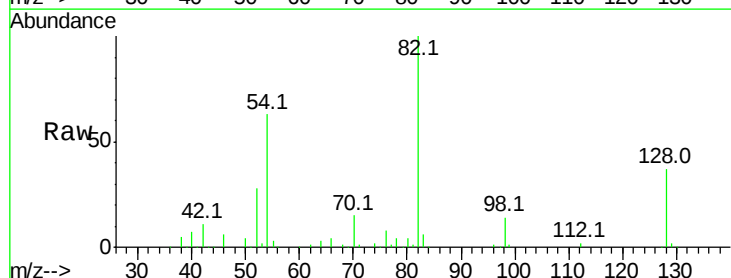


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

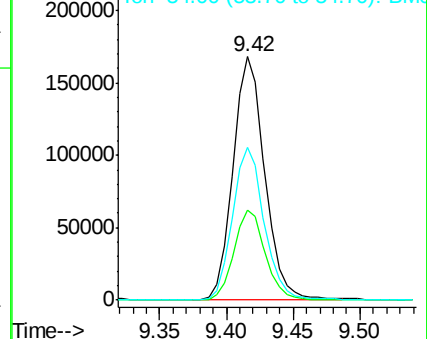
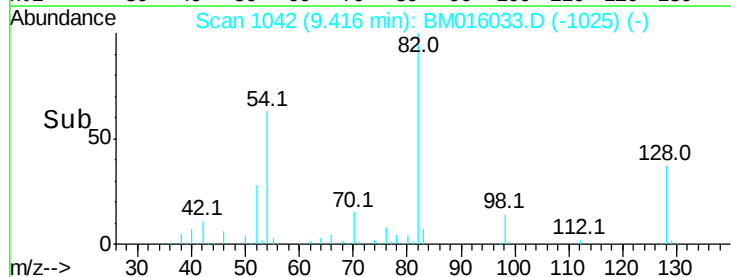


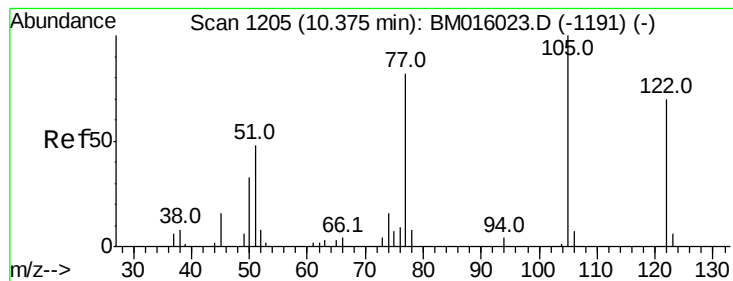
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:	82	Resp:	279522
Ion	Ratio	Lower	Upper
82	100		
128	36.8	32.8	49.2
54	62.8	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: 1.501 ng

RT: 10.35 min Scan# 1200

Delta R.T. -0.03 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

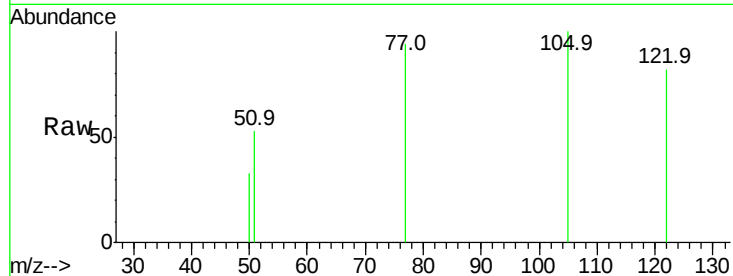
Tot Ion:122 Resp: 2070

Ion Ratio Lower Upper

122 100

105 122.4 99.9 139.9

77 115.2 73.7 113.7#

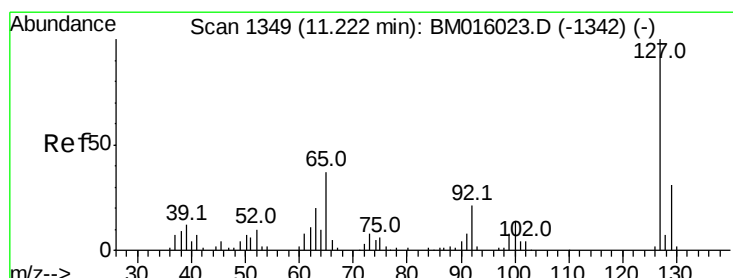
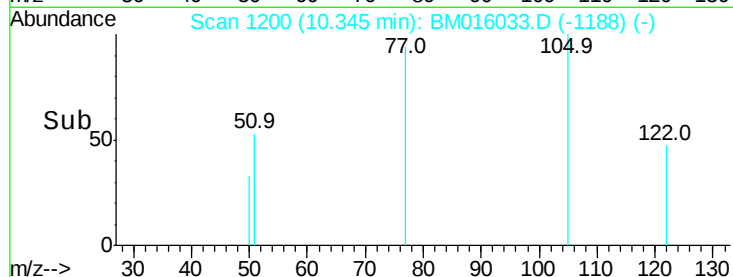
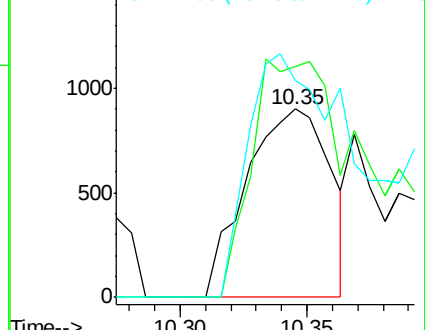


Abundance

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: 2.493 ng

RT: 11.25 min Scan# 1353

Delta R.T. 0.02 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Tgt Ion:127 Resp: 7400

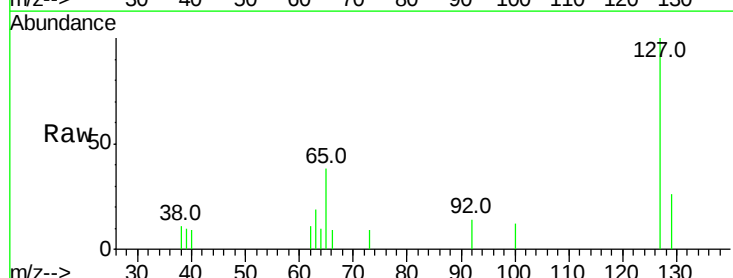
Ion Ratio Lower Upper

127 100

129 26.0 25.3 37.9

65 37.6 17.6 26.4#

92 13.9 13.1 19.7



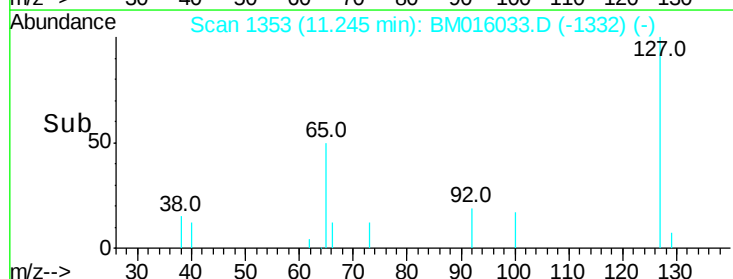
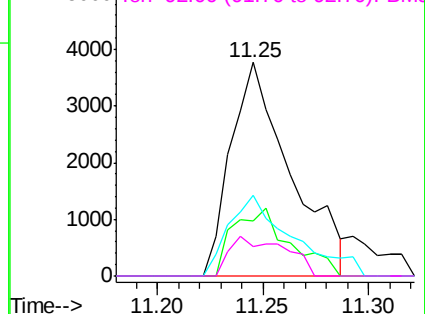
Abundance

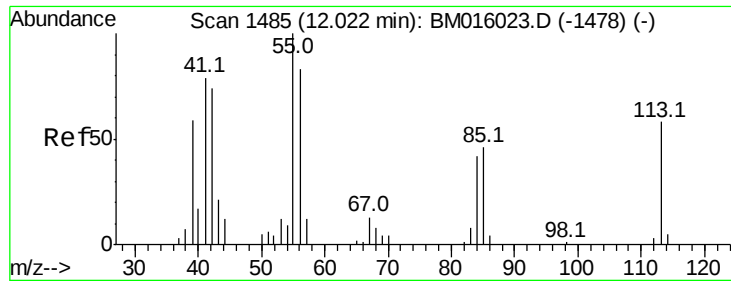
Ion 127.00 (126.70 to 127.70): E

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: 2.042 ng

RT: 12.02 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

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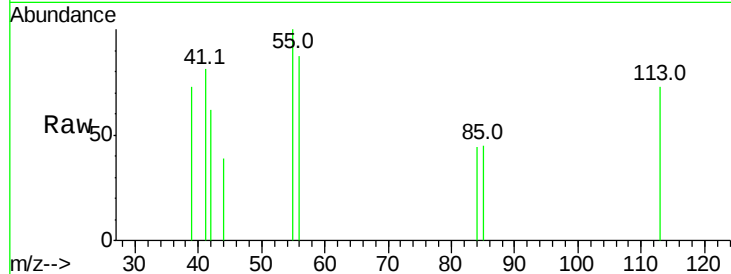
Tot Ion:113 Resp: 1216

Ion Ratio Lower Upper

113 100

55 137.5 145.9 185.9#

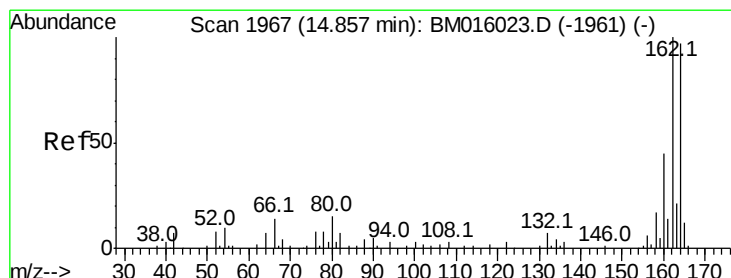
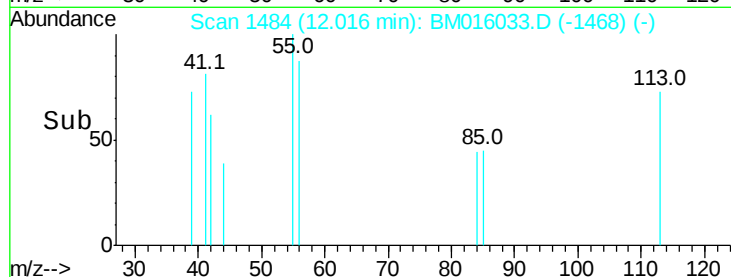
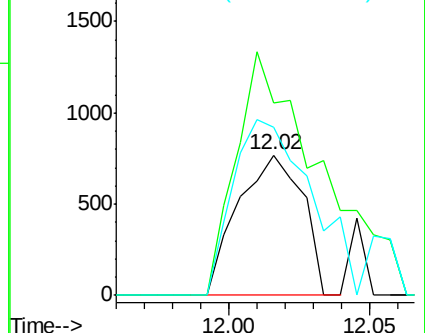
56 119.4 101.0 141.0



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: 14.86 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

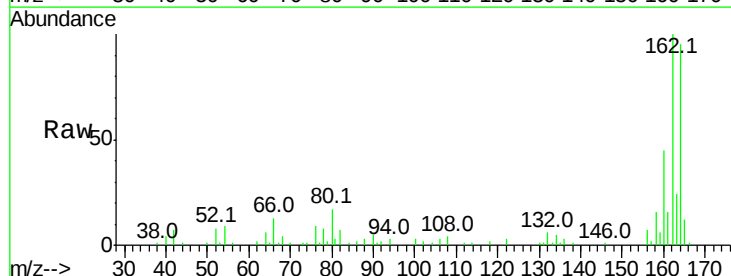
Tgt Ion:164 Resp: 77287

Ion Ratio Lower Upper

164 100

162 105.6 82.4 123.6

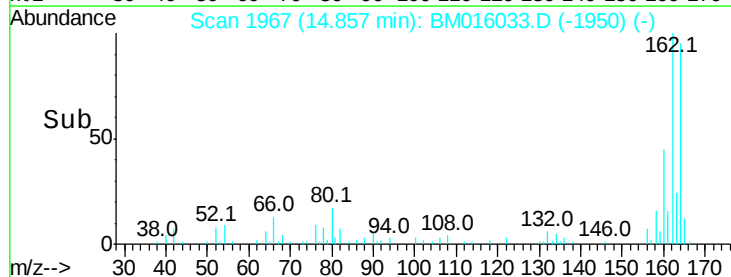
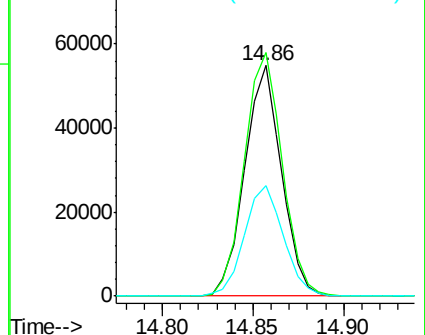
160 47.8 35.8 53.6

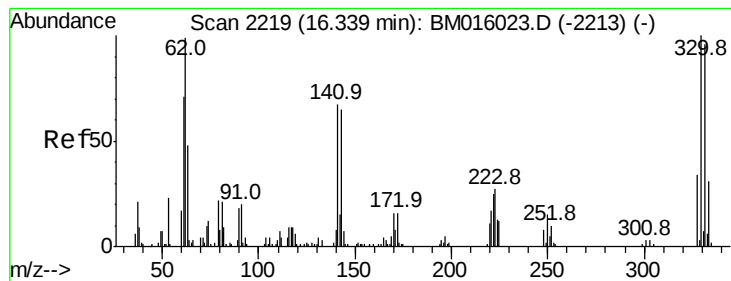


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: N.D. ng

RT: 16.34 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

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LOD-MDL-SOIL-01-QT3-2018

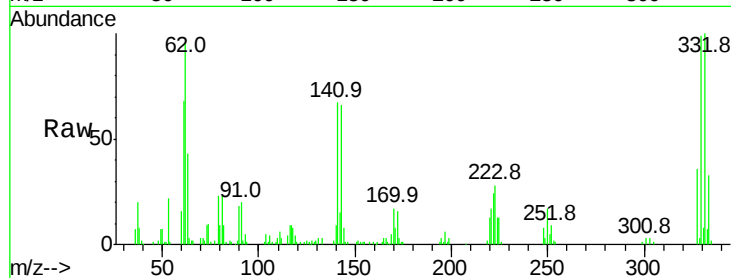
Tot Ion:330 Resp: 129644

Ion Ratio Lower Upper

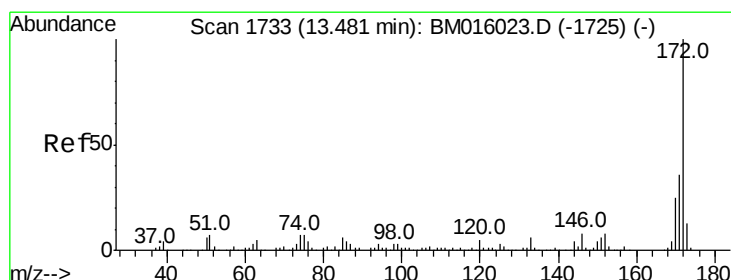
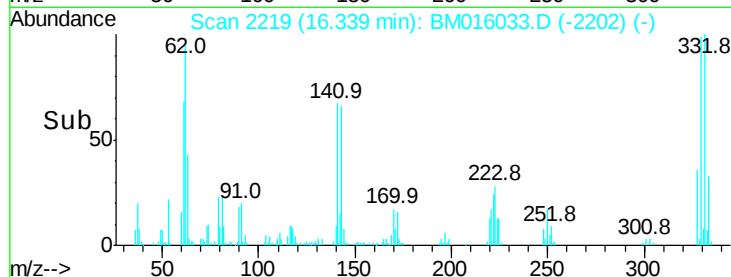
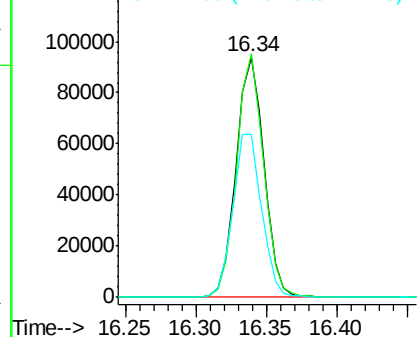
330 100

332 97.7 0.0 0.0#

141 70.3 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: N.D. ng

RT: 13.48 min Scan# 1733

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

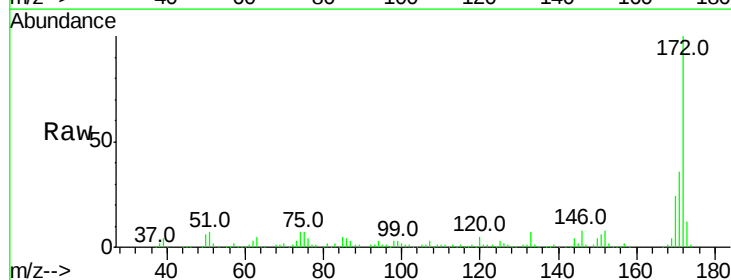
Tgt Ion:172 Resp: 563804

Ion Ratio Lower Upper

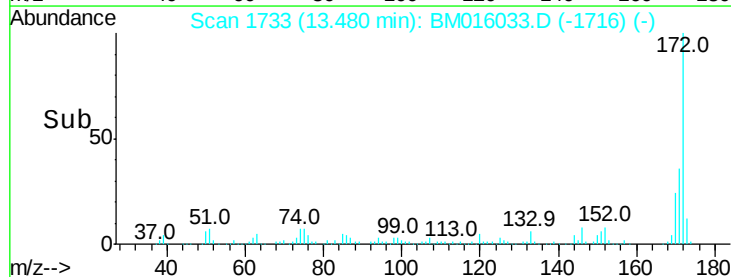
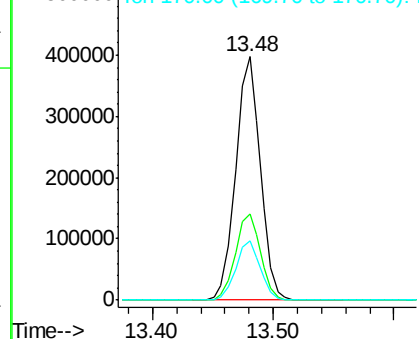
172 100

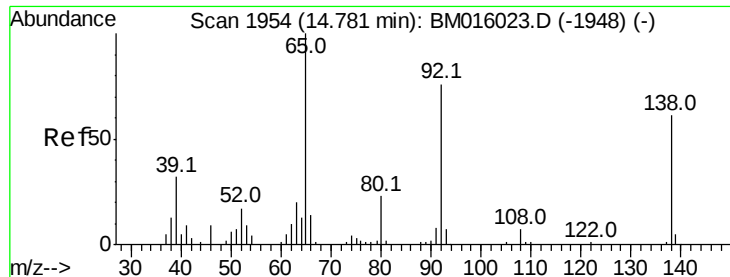
171 35.5 28.5 42.7

170 24.4 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: 2.433 ng

RT: 14.80 min Scan# 1957

Delta R.T. 0.02 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

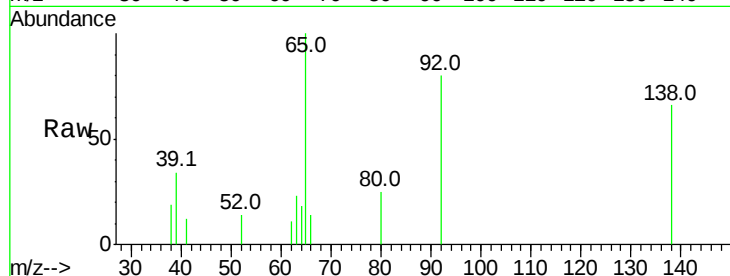
Tot Ion:138 Resp: 3577

Ion Ratio Lower Upper

138 100

108 0.0 7.3 10.9#

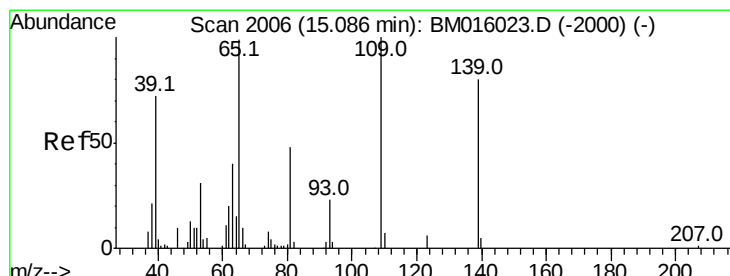
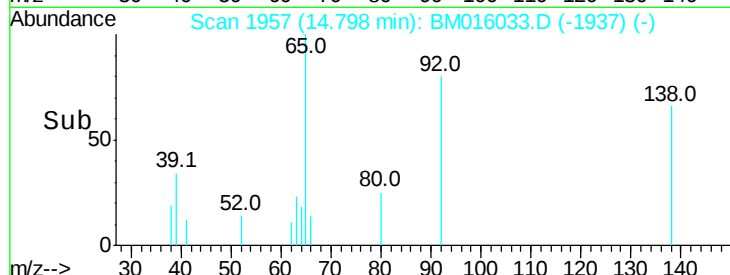
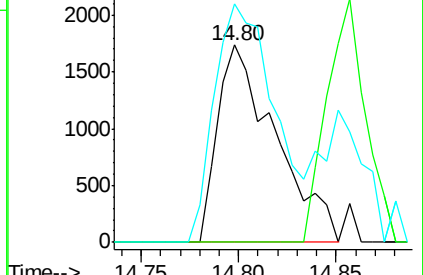
92 120.7 76.6 114.8#



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: 1.717 ng

RT: 15.13 min Scan# 2014

Delta R.T. 0.05 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

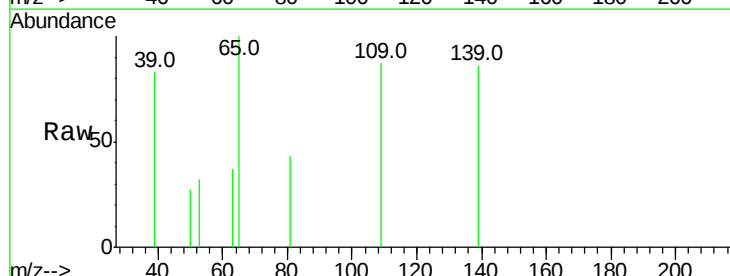
Tgt Ion:139 Resp: 1809

Ion Ratio Lower Upper

139 100

109 102.0 130.0 170.0#

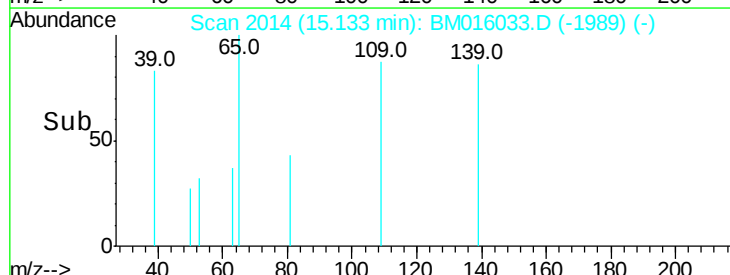
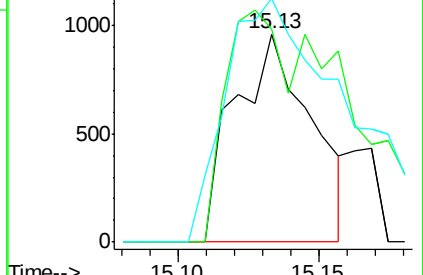
65 116.9 130.0 170.0#

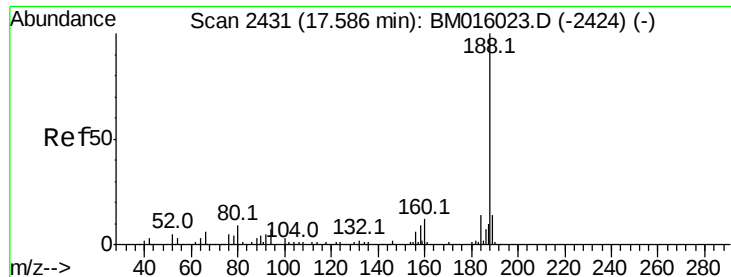


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

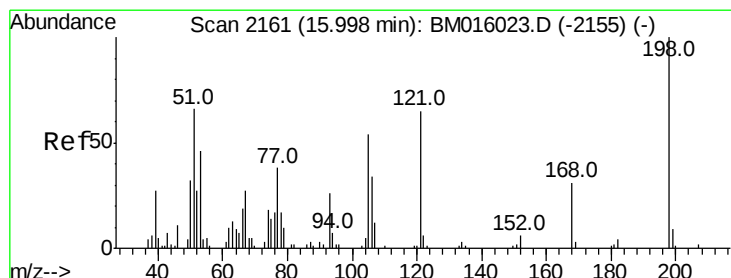
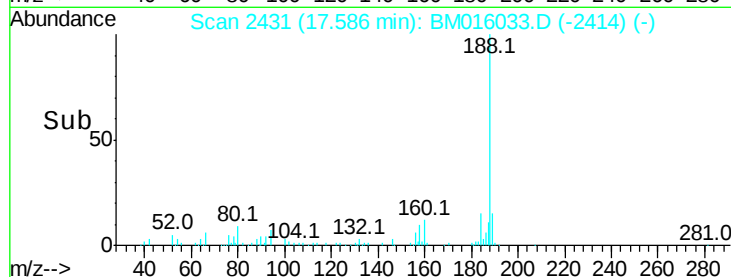
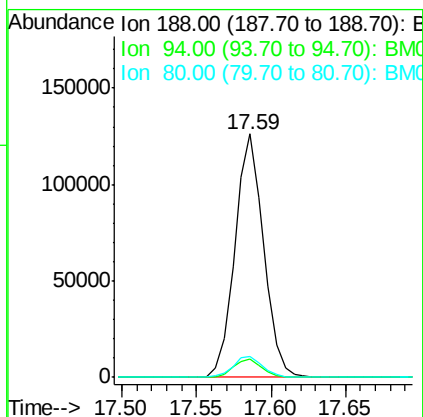
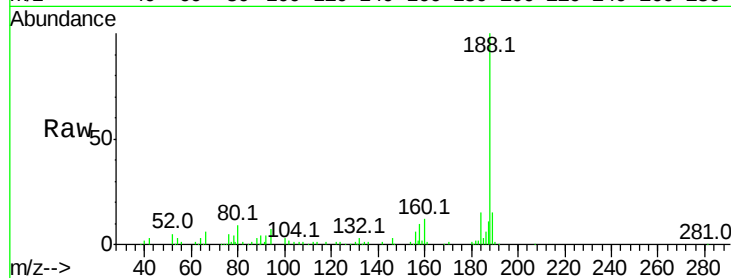




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.59 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

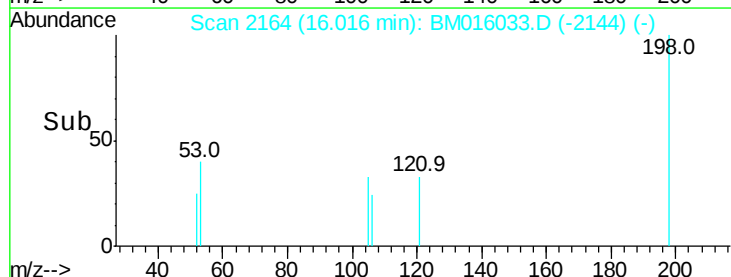
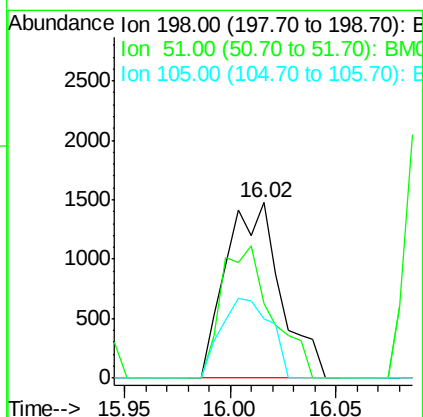
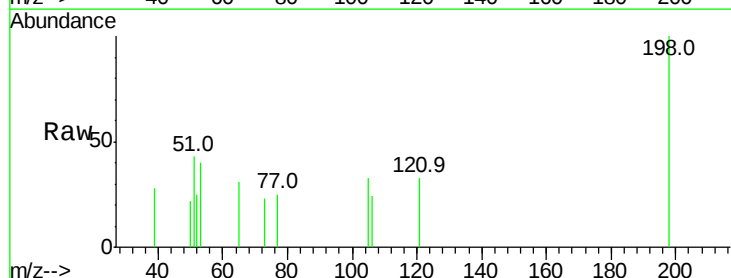
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

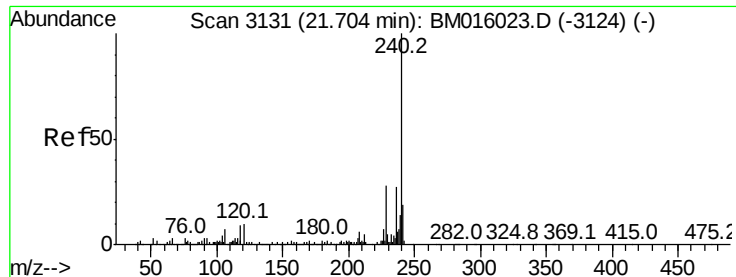
Tot Ion:188 Resp: 168605
 Ion Ratio Lower Upper
 188 100
 94 7.3 8.7 13.1#
 80 8.8 9.3 13.9#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.601 ng
 RT: 16.02 min Scan# 2164
 Delta R.T. 0.02 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:198 Resp: 2662
 Ion Ratio Lower Upper
 198 100
 51 42.5 28.8 68.8
 105 33.5 30.5 70.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

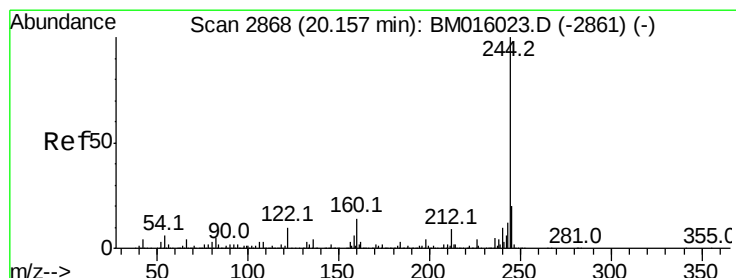
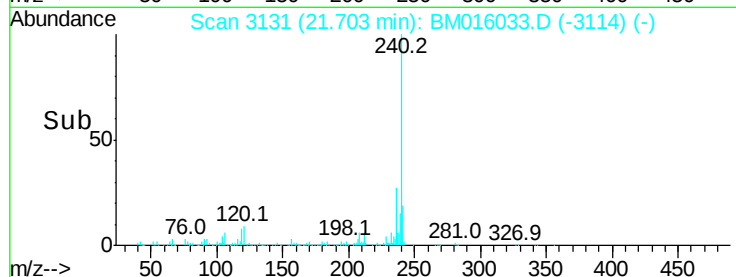
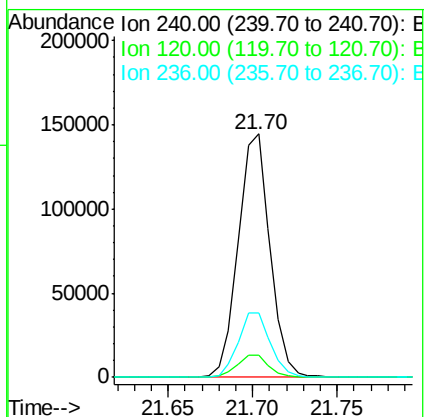
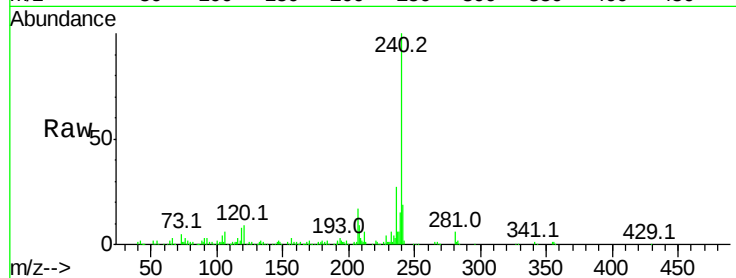
Tot Ion:240 Resp: 188728

Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.2	12.2
236	26.7	20.0	30.0

240 100

120 9.0 8.2 12.2

236 26.7 20.0 30.0



#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.16 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

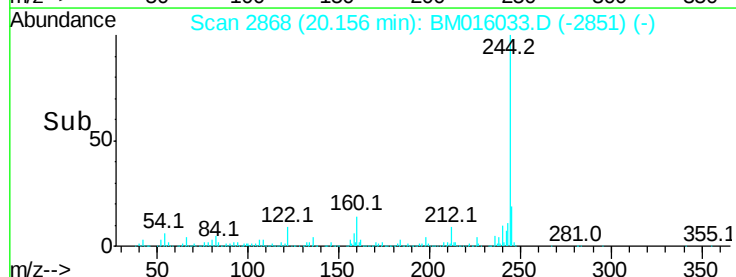
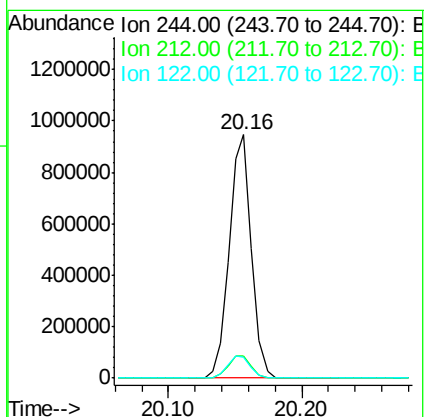
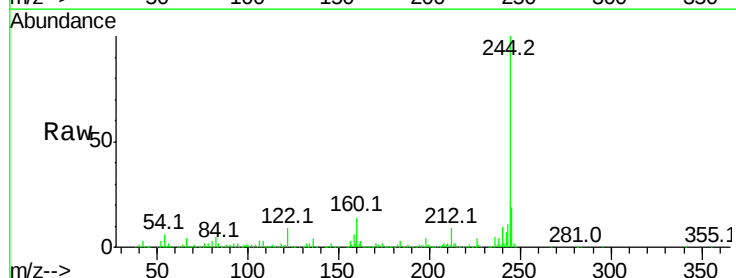
Tgt Ion:244 Resp: 1091924

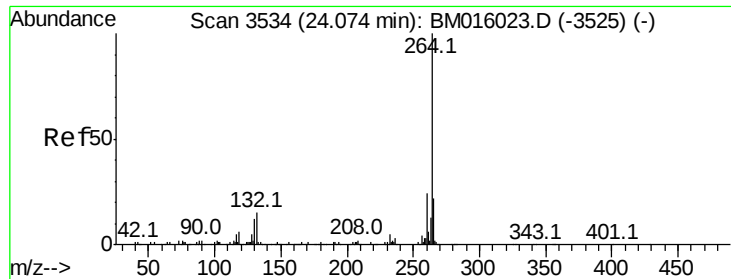
Ion	Ratio	Lower	Upper
244	100		
212	9.2	4.9	7.3#
122	8.7	6.2	9.4

244 100

212 9.2 4.9 7.3#

122 8.7 6.2 9.4

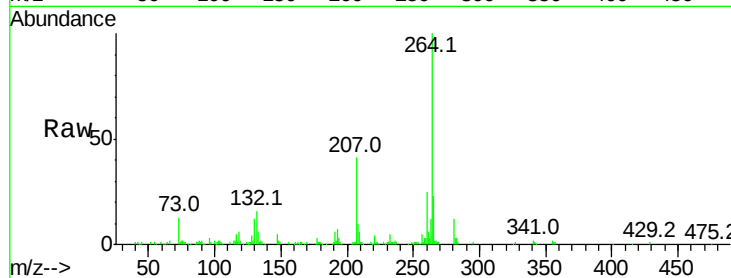




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.07 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.6	27.8
265	23.2	17.3	25.9



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

