

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016034.D
 Acq On : 23 Jul 2018 20:14
 Operator : SJ/JU
 Sample : J3762-01
 Misc : LOD 8 PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 24 07:41:30 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

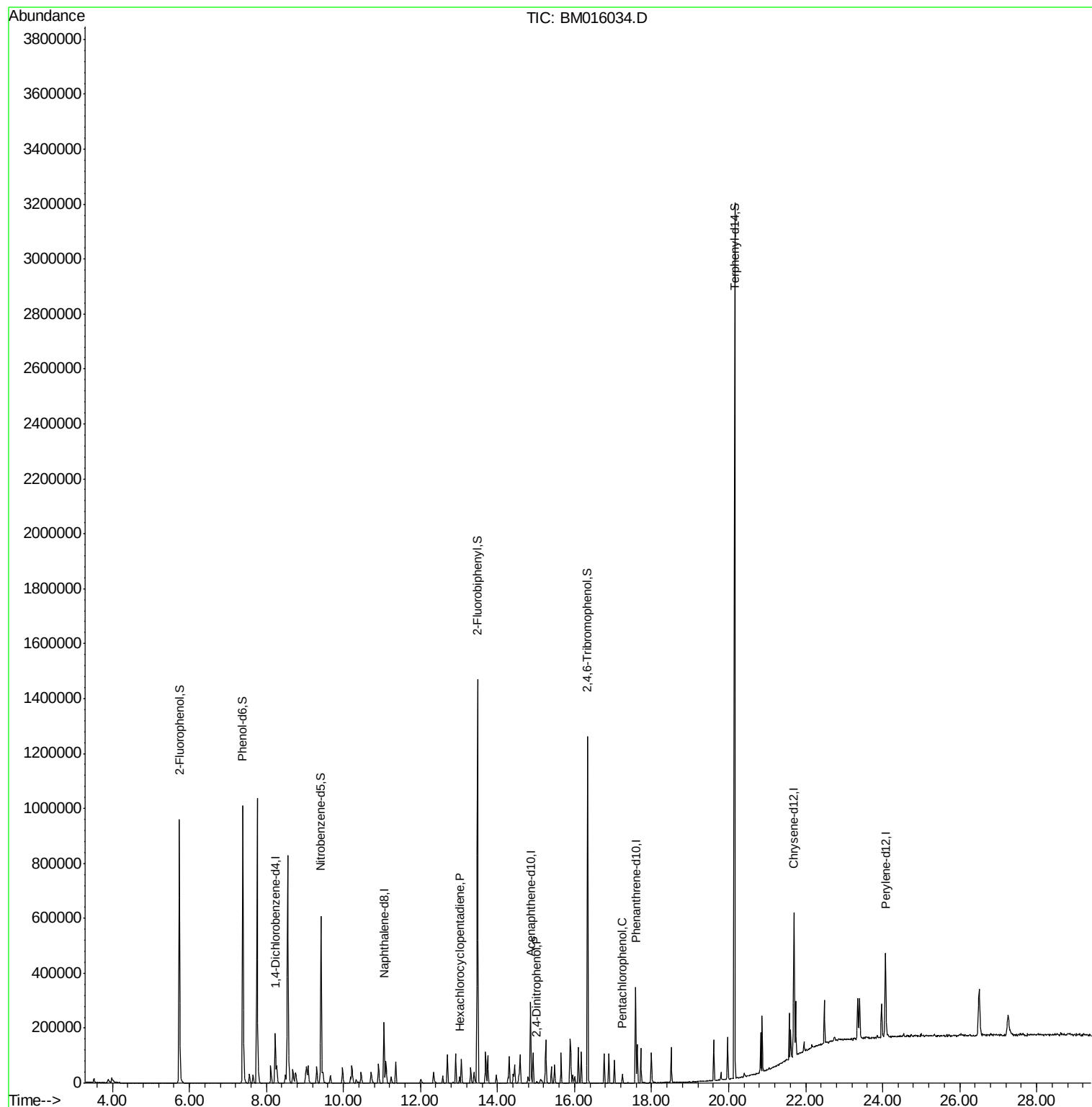
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	40670	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	152284	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	82582	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	176220	20.00	ng	0.00
75) Chrysene-d12	21.70	240	195546	20.00	ng	0.00
86) Perylene-d12	24.07	264	203967	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	319527	130.51	ng	0.00
7) Phenol-d6	7.39	99	386087	120.75	ng	0.00
23) Nitrobenzene-d5	9.42	82	299015	91.33	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	137543	131.32	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	596104	87.83	ng	0.00
78) Terphenyl-d14	20.16	244	1121311	120.03	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	13.02	237	5940	11.564	ng	96
53) 2,4-Dinitrophenol	15.02	184	2486	9.796	ng	# 84
69) Pentachlorophenol	17.24	266	5784	4.251	ng	94

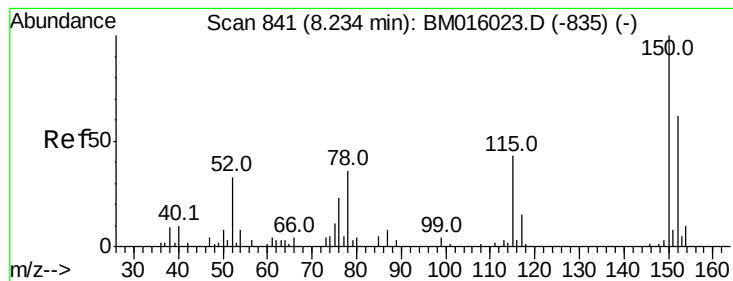
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

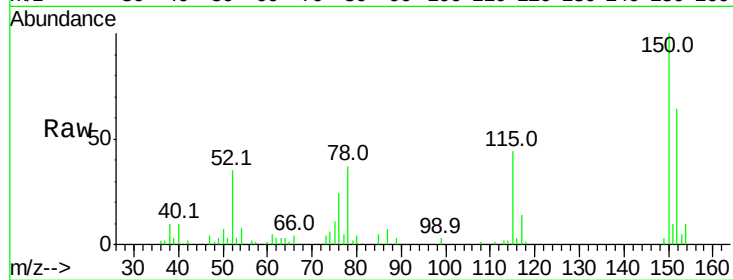
Tot Ion:152 Resp: 40670

Ion Ratio Lower Upper

152 100

150 156.5 119.5 179.3

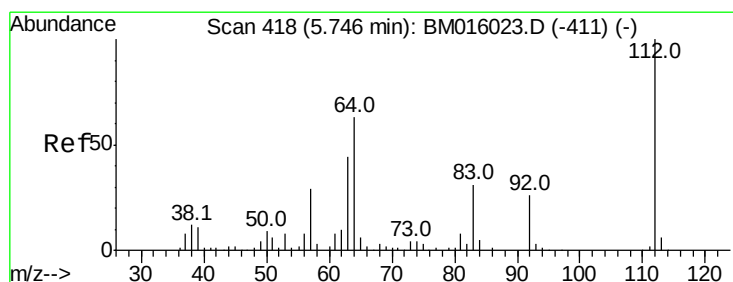
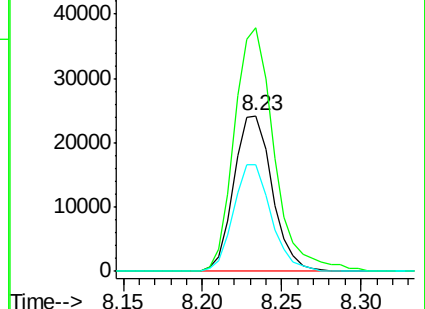
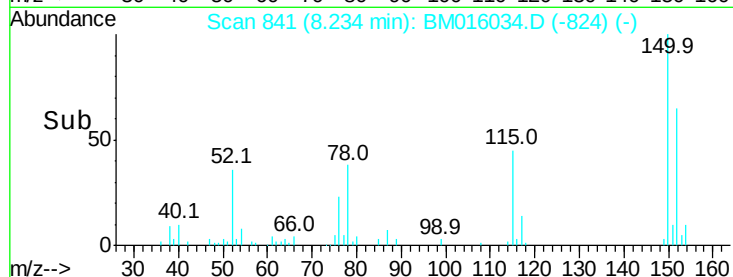
115 68.7 43.0 64.4#



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



#5

2-Fluorophenol

Concen: N.D. ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

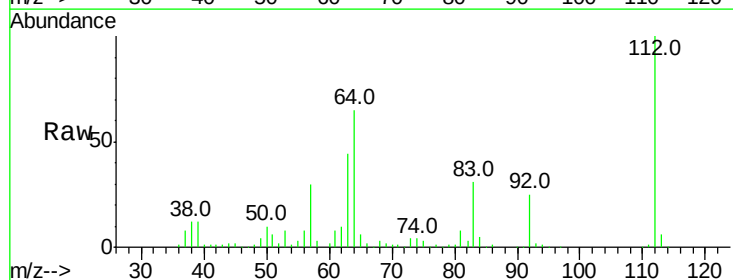
Tgt Ion:112 Resp: 319527

Ion Ratio Lower Upper

112 100

64 64.6 38.6 57.8#

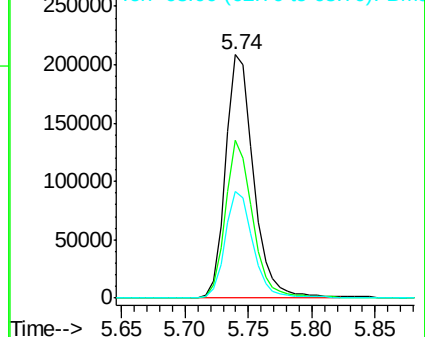
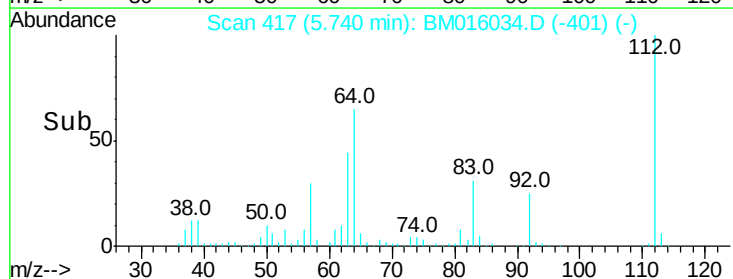
63 43.9 19.3 28.9#

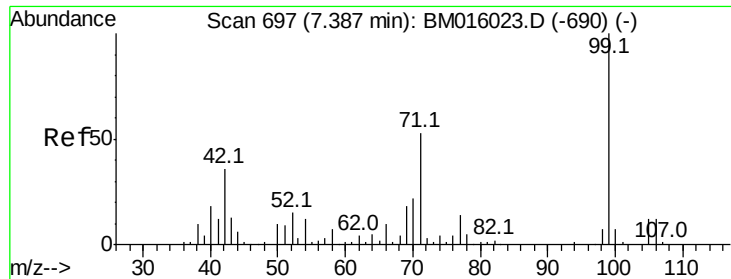


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: N.D. ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

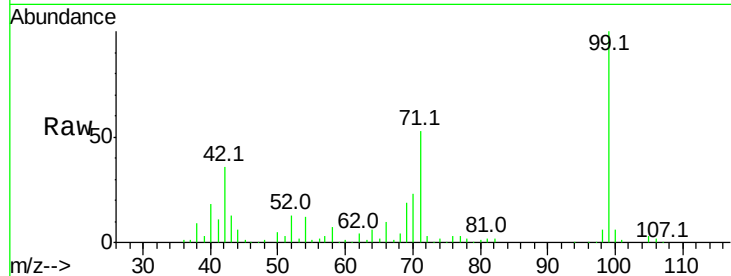
Tot Ion: 99 Resp: 386087

Ion Ratio Lower Upper

99 100

42 35.6 11.0 16.4#

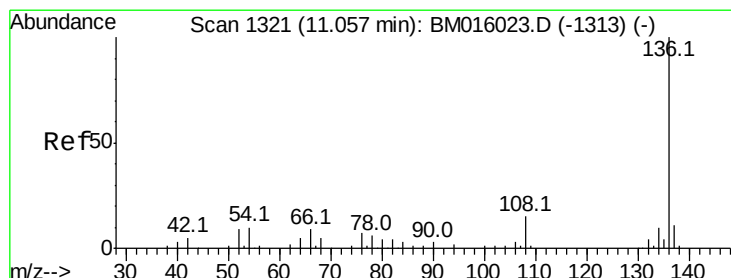
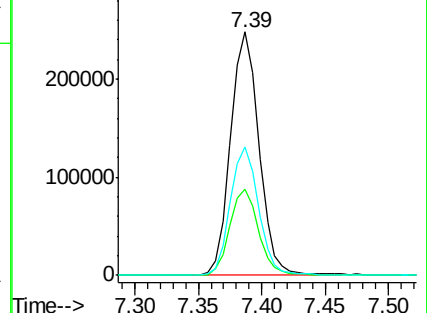
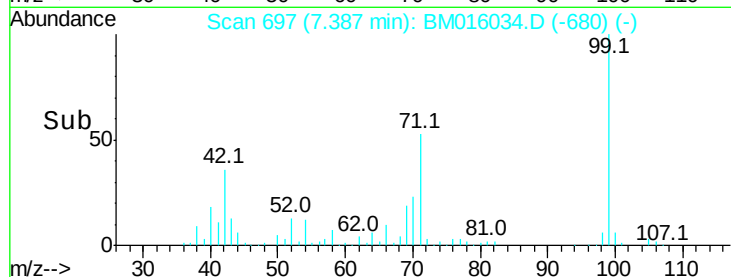
71 52.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.05 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Tgt Ion: 136 Resp: 152284

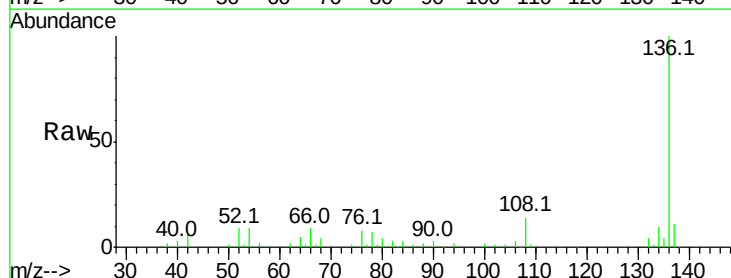
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 9.1 4.6 6.8#

68 4.3 3.7 5.5

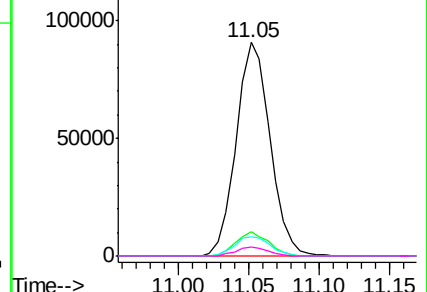
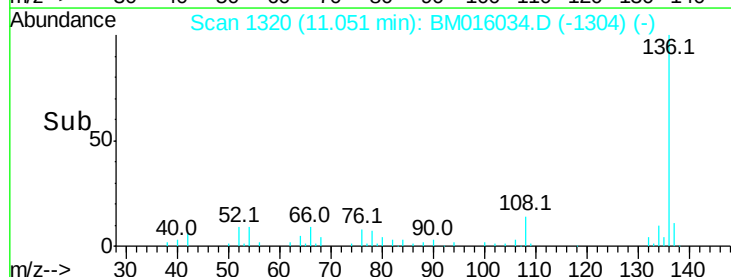


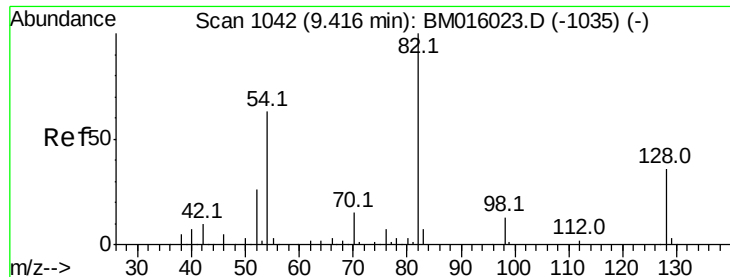
Abundance Ion 136.00 (135.70 to 136.70): BM016023.D (-1313) (-)

Ion 137.00 (136.70 to 137.70): BM016023.D (-1313) (-)

Ion 54.00 (53.70 to 54.70): BM016023.D (-1313) (-)

Ion 68.00 (67.70 to 68.70): BM016023.D (-1313) (-)

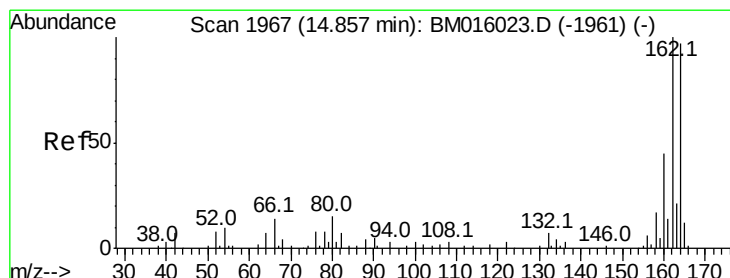
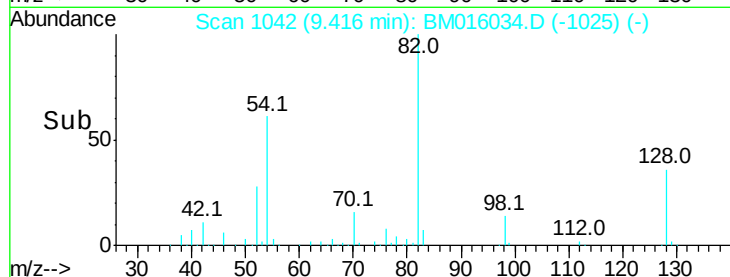
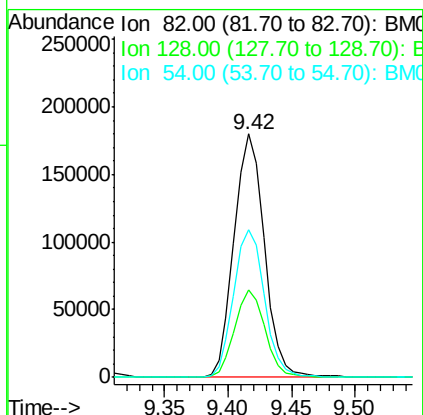
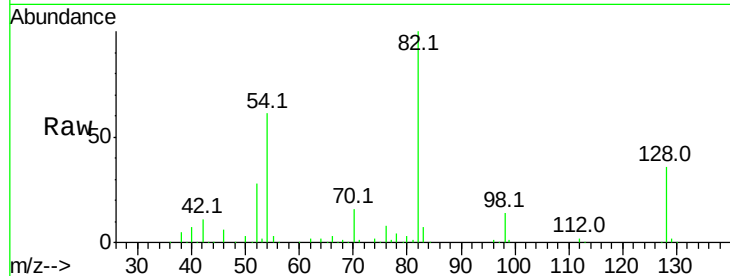




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

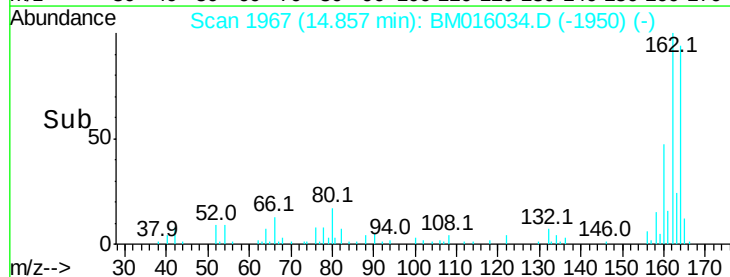
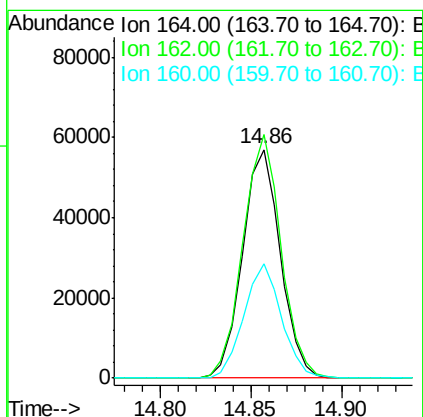
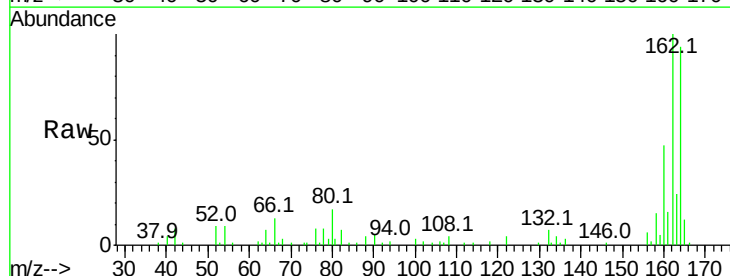
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

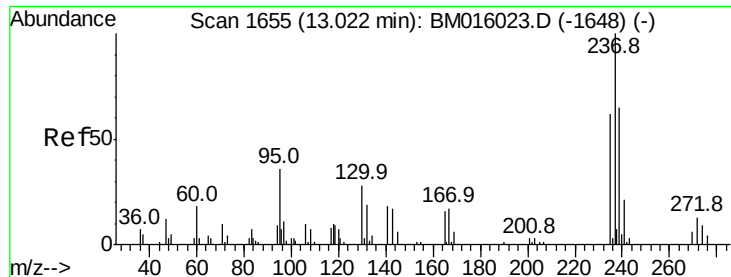
Tot Ion	82	Resp	299015
Ion	Ratio	Lower	Upper
82	100		
128	36.1	32.8	49.2
54	60.6	40.6	60.8



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.86 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion	164	Resp	82582
Ion	Ratio	Lower	Upper
164	100		
162	106.6	82.4	123.6
160	50.0	35.8	53.6

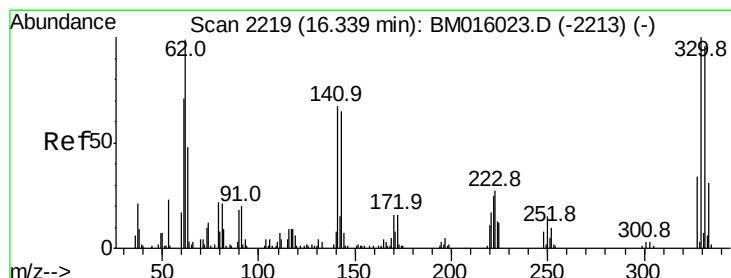
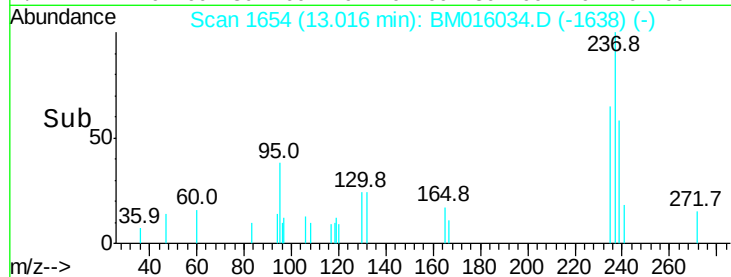
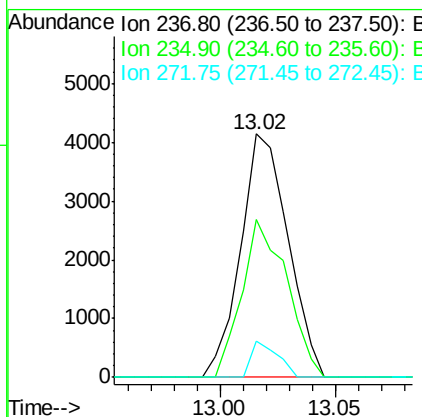
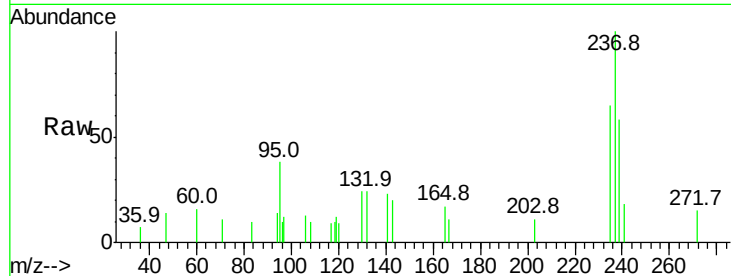




#40
Hexachlorocyclopentadiene
Concen: 11.564 ng
RT: 13.02 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

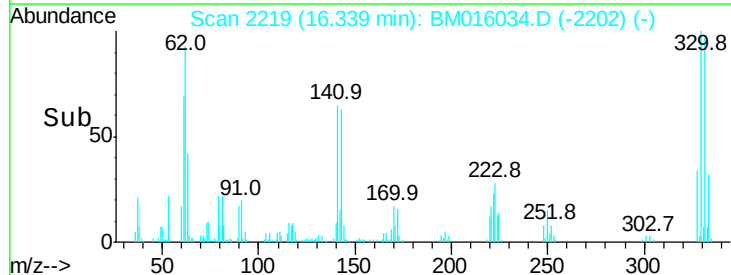
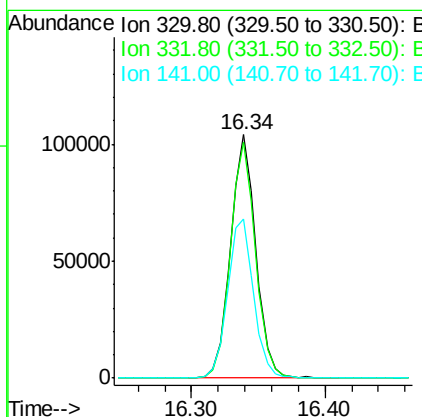
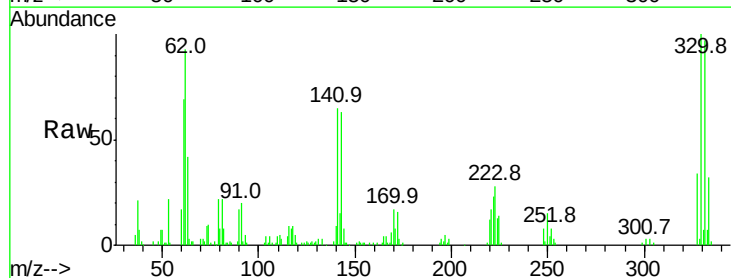
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

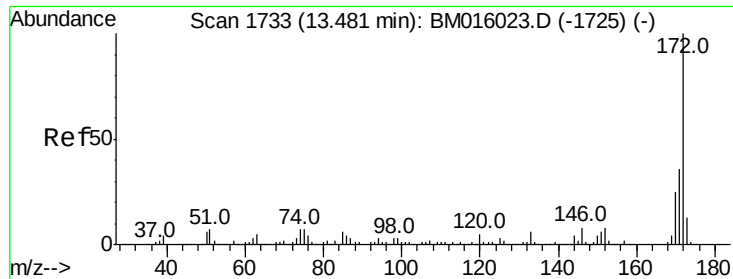
Tot Ion:237 Resp: 5940
Ion Ratio Lower Upper
237 100
235 64.8 42.0 82.0
272 14.7 0.0 33.4



#41
2,4,6-Tribromophenol
Concen: 11.564 ng
RT: 16.34 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:330 Resp: 137543
Ion Ratio Lower Upper
330 100
332 96.5 0.0 0.0#
141 67.3 0.0 0.0#

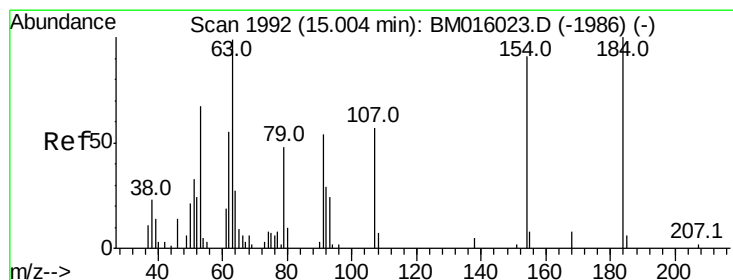
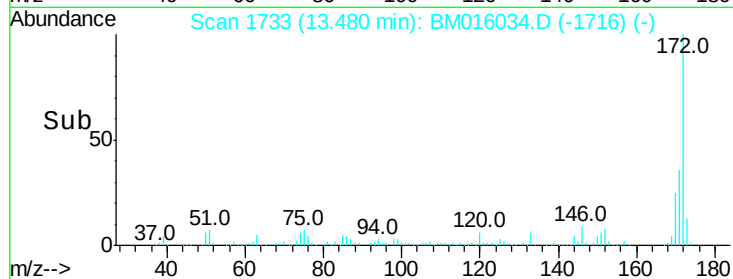
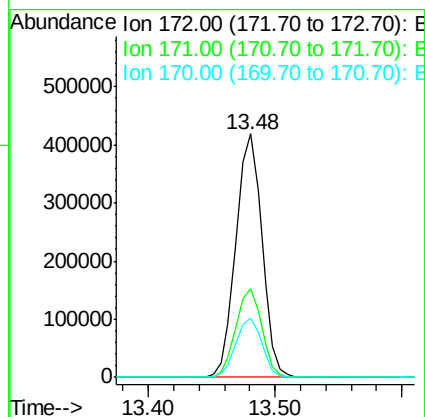
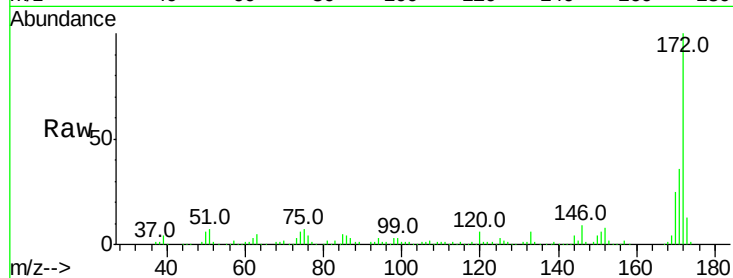




#44
 2-Fluorobiphenyl
 Concen: N.D. na
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

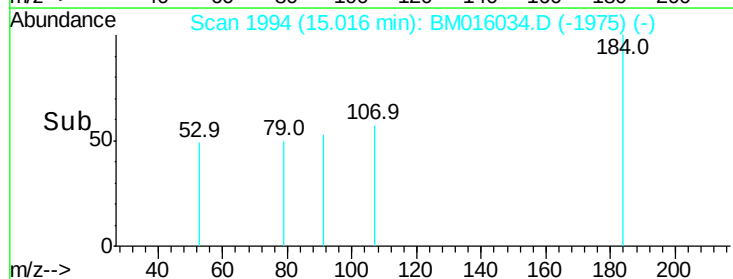
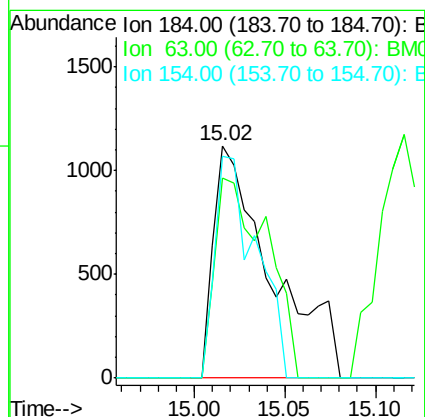
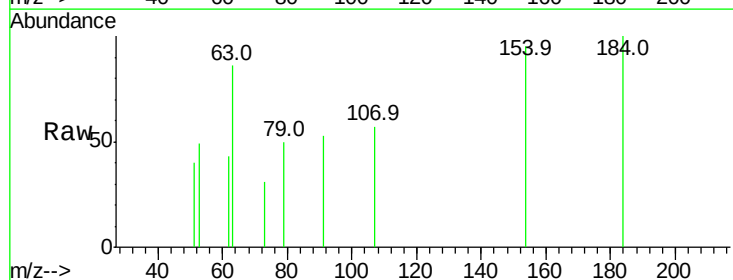
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

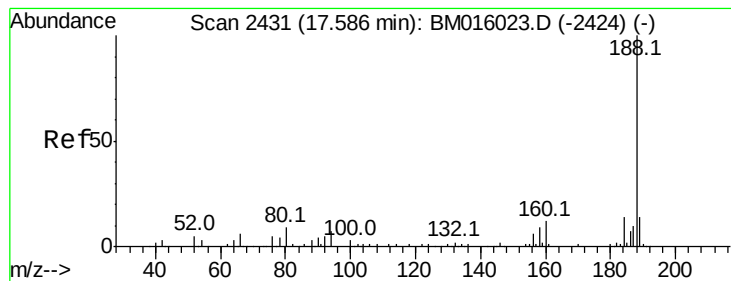
Tot Ion:172 Resp: 596104
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.5 42.7
 170 24.6 18.8 28.2



#53
 2,4-Dinitrophenol
 Concen: 9.796 ng
 RT: 15.02 min Scan# 1994
 Delta R.T. 0.01 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:184 Resp: 2486
 Ion Ratio Lower Upper
 184 100
 63 86.2 69.2 103.8
 154 95.2 53.3 79.9#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.59 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

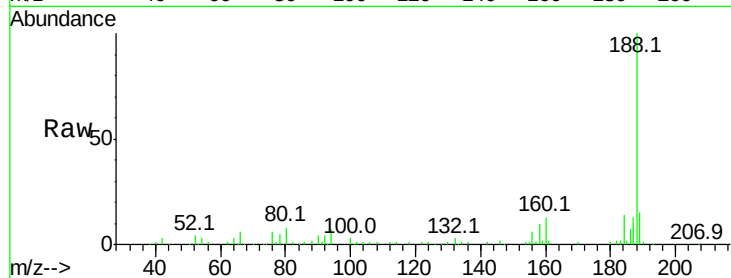
Tot Ion:188 Resp: 176220

Ion Ratio Lower Upper

188 100

94 7.0 8.7 13.1#

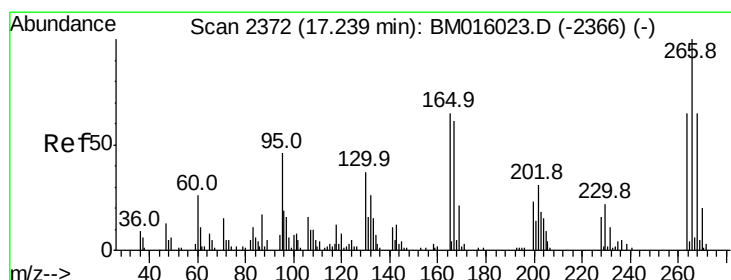
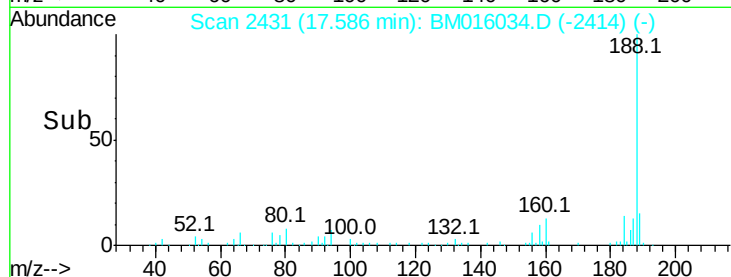
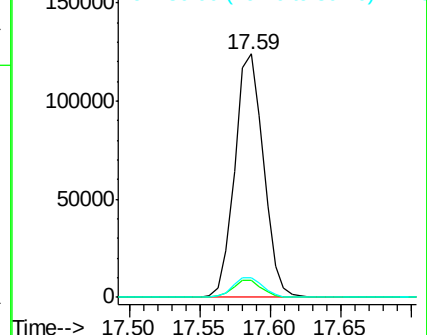
80 8.0 9.3 13.9#



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



#69

Pentachlorophenol

Concen: 4.251 ng

RT: 17.24 min Scan# 2373

Delta R.T. 0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

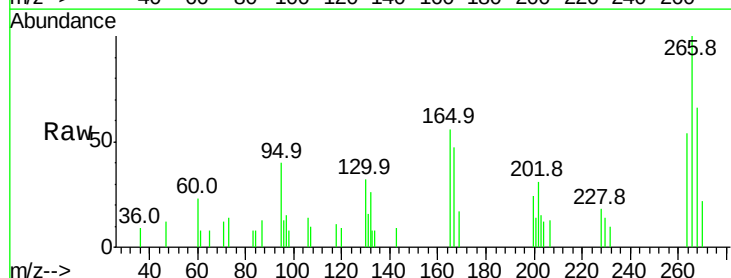
Tgt Ion:266 Resp: 5784

Ion Ratio Lower Upper

266 100

268 66.1 52.0 78.0

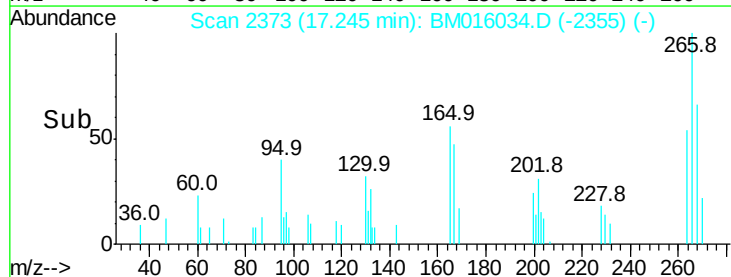
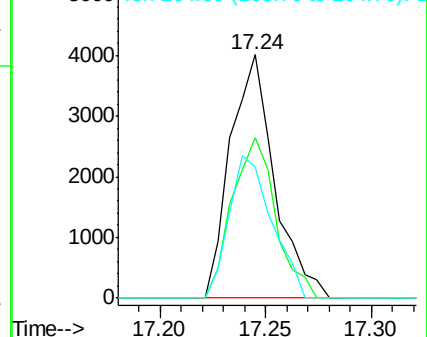
264 53.6 49.0 73.4

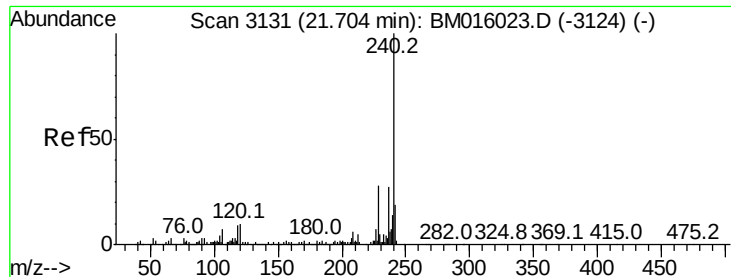


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

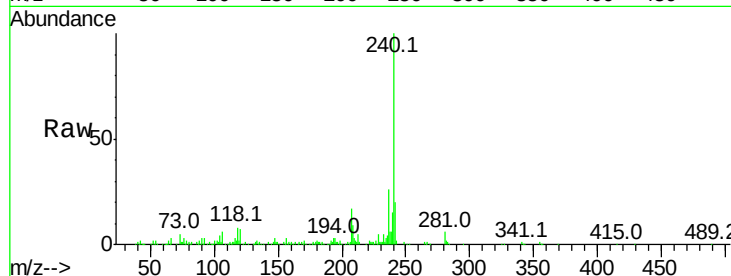
Tot Ion:240 Resp: 195546

Ion Ratio Lower Upper

240 100

120 7.5 8.2 12.2#

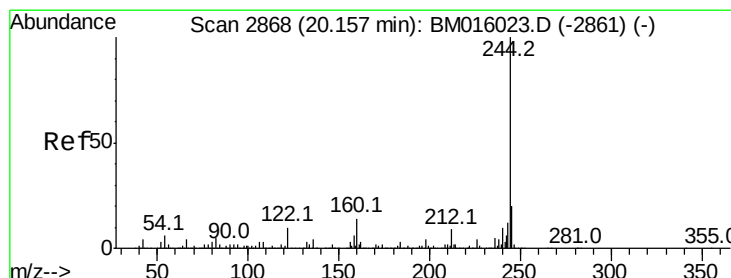
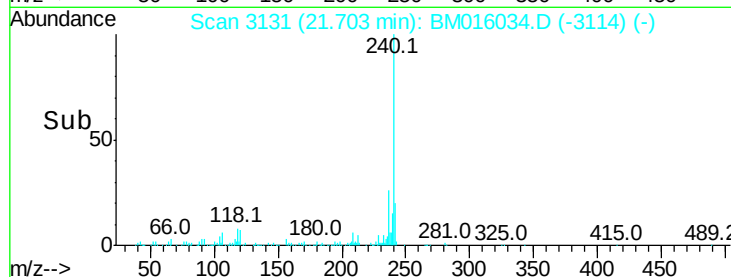
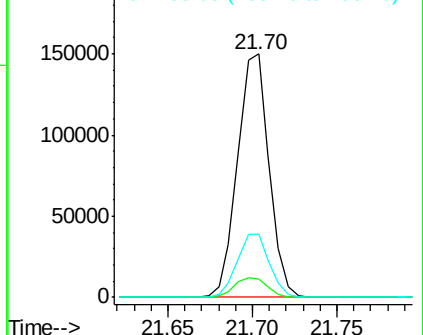
236 26.1 20.0 30.0



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: N.D. ng

RT: 20.16 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

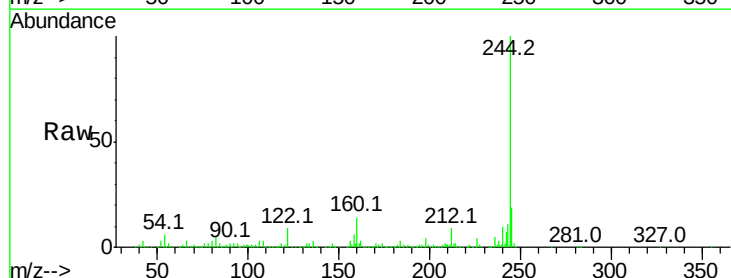
Tgt Ion:244 Resp: 1121311

Ion Ratio Lower Upper

244 100

212 9.1 4.9 7.3#

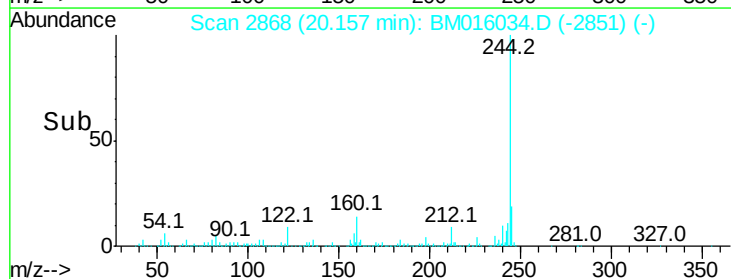
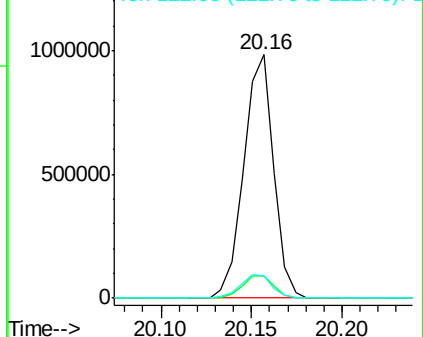
122 8.9 6.2 9.4

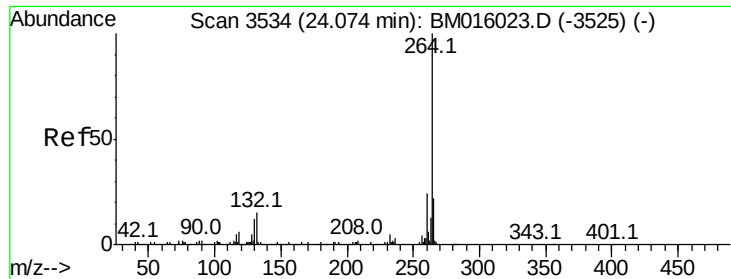


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

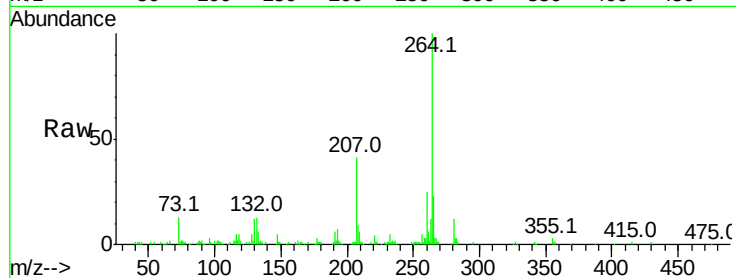




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.07 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

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	22.7	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

