

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020718\
 Data File : BM014170.D
 Acq On : 07 Feb 2018 20:43
 Operator : SJ/JU
 Sample : J1161-01
 Misc : LOD 8 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Quant Time: Feb 08 08:00:09 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 17:16:49 2018
 Response via : Initial Calibration

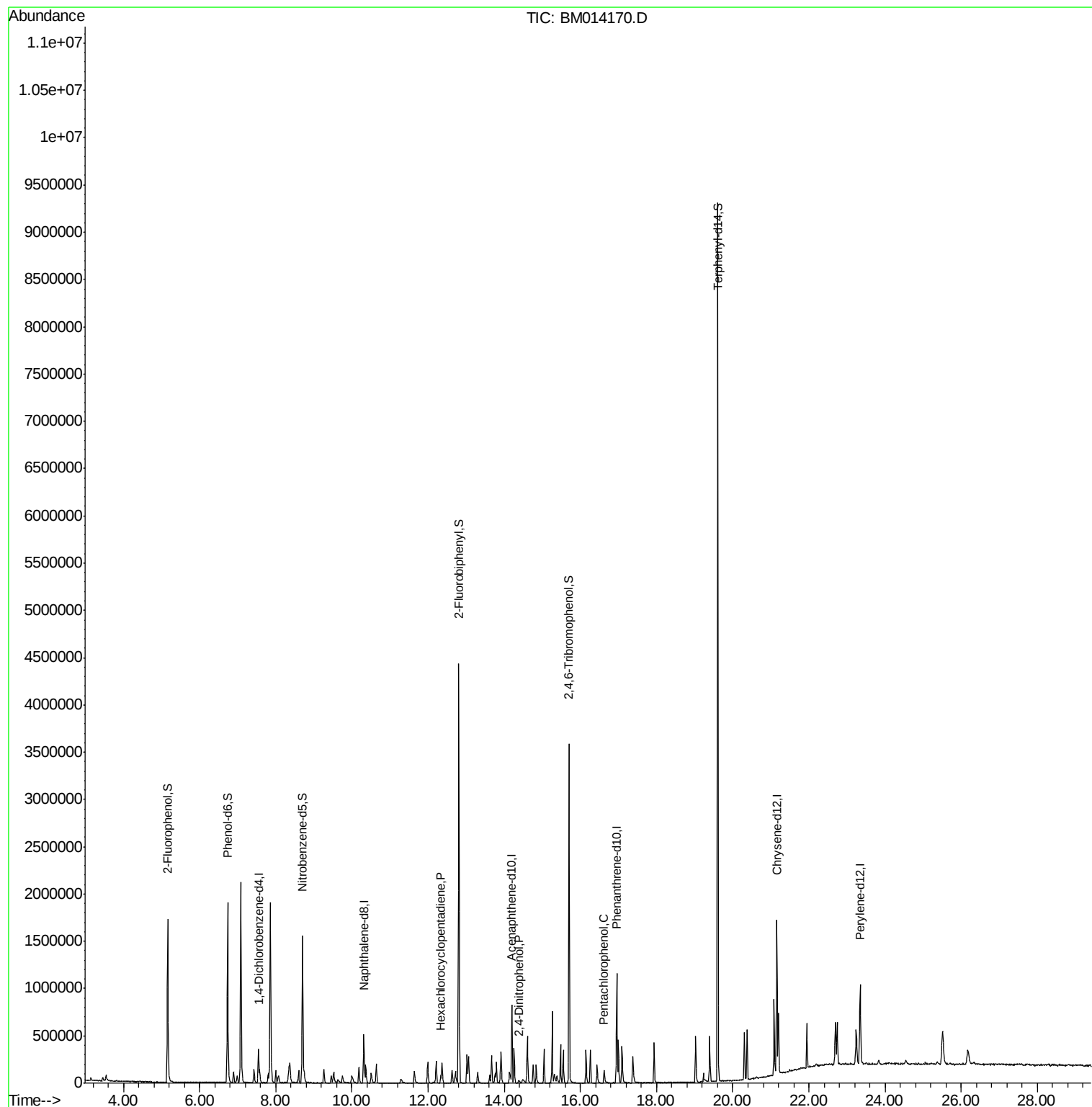
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	76205	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	344647	20.00	ng	0.00
38) Acenaphthene-d10	14.20	164	230697	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	587601	20.00	ng	0.00
75) Chrysene-d12	21.16	240	688860	20.00	ng	0.00
86) Perylene-d12	23.34	264	610893	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	595775	136.27	ng	0.00
7) Phenol-d6	6.73	99	829935	134.03	ng	0.00
23) Nitrobenzene-d5	8.70	82	795605	103.11	ng	0.00
41) 2,4,6-Tribromophenol	15.70	330	463472	141.58	ng	0.00
44) 2-Fluorobiphenyl	12.81	172	1856640	100.46	ng	0.00
78) Terphenyl-d14	19.60	244	3401513	96.48	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	12.33	237	20635	10.19	ng	Qvalue 91
53) 2,4-Dinitrophenol	14.38	184	6820	10.23	ng	# 72
69) Pentachlorophenol	16.62	266	23773	10.19	ng	91

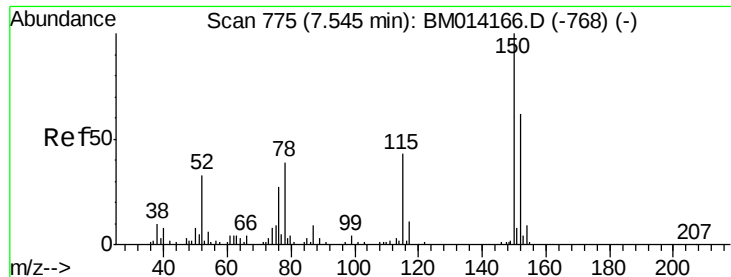
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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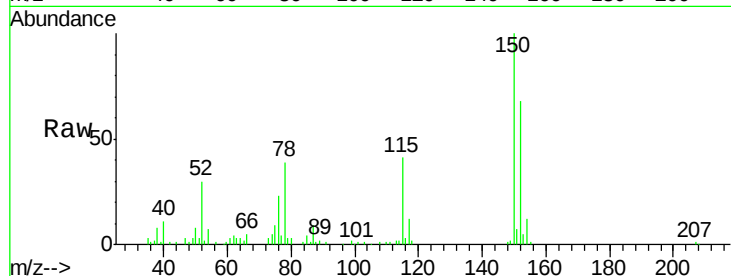


#1

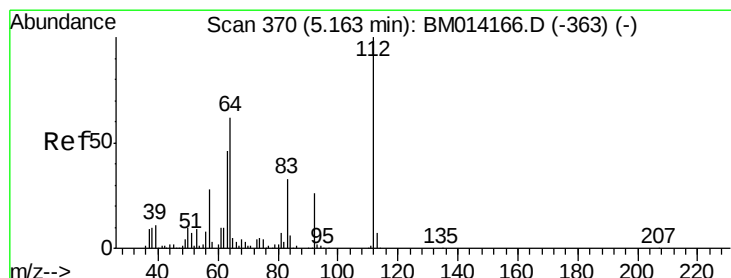
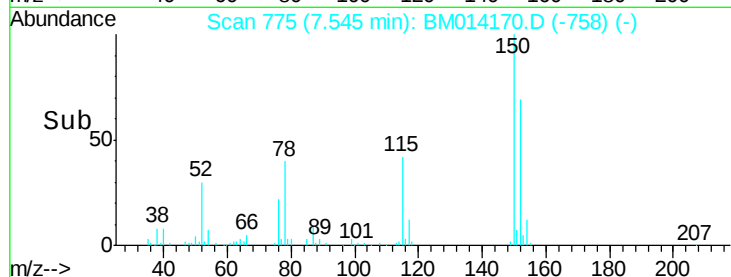
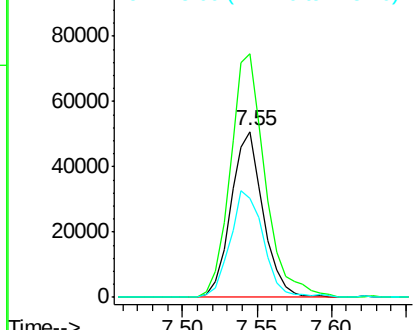
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 775
Delta R.T. -0.00 min
Lab File: BM014170.D
Acq: 07 Feb 2018 20:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:152 Resp: 76205
Ion Ratio Lower Upper
152 100
150 146.9 119.5 179.3
115 60.1 43.0 64.4



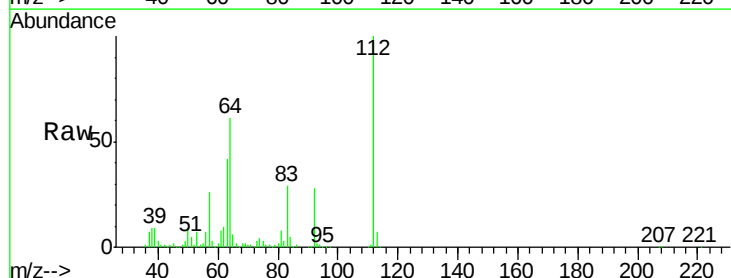
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



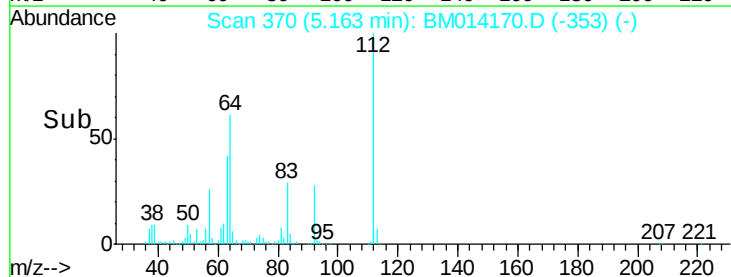
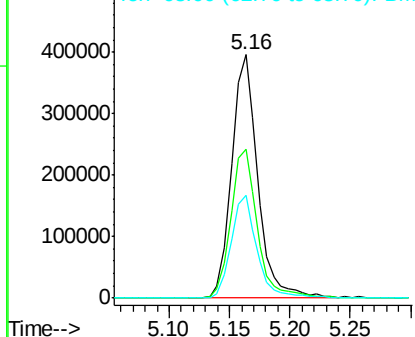
#5

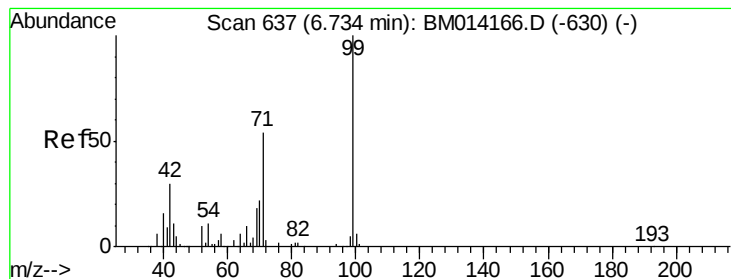
2-Fluorophenol
Concen: 136.27 ng
RT: 5.16 min Scan# 370
Delta R.T. 0.00 min
Lab File: BM014170.D
Acq: 07 Feb 2018 20:43

Tgt Ion:112 Resp: 595775
Ion Ratio Lower Upper
112 100
64 60.9 38.6 57.8#
63 42.0 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: 134.03 ng

RT: 6.73 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

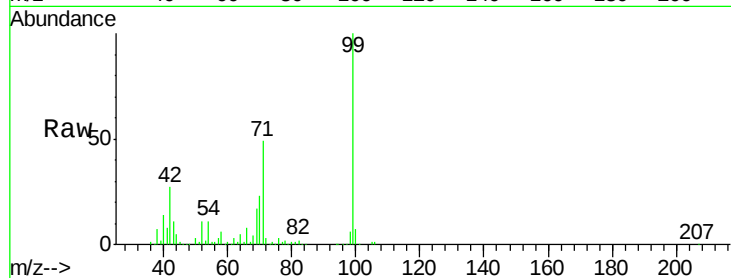
Tgt Ion: 99 Resp: 829935

Ion Ratio Lower Upper

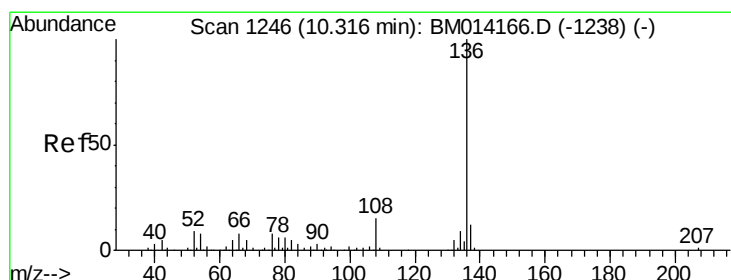
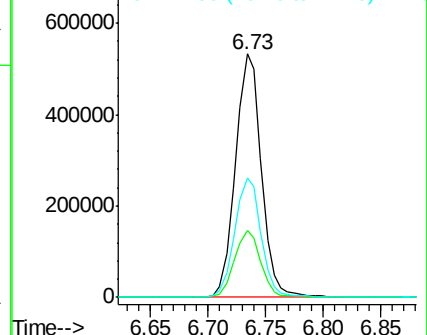
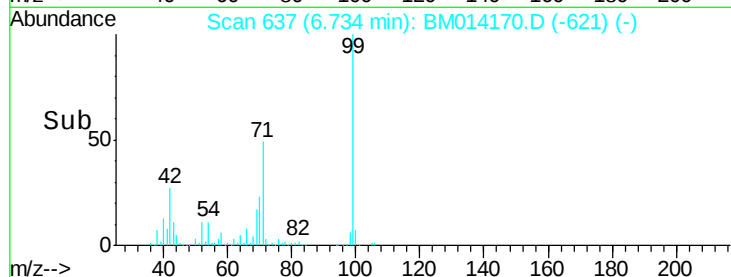
99 100

42 27.5 11.0 16.4#

71 48.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM014170.D (-621) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.32 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Tgt Ion: 136 Resp: 344647

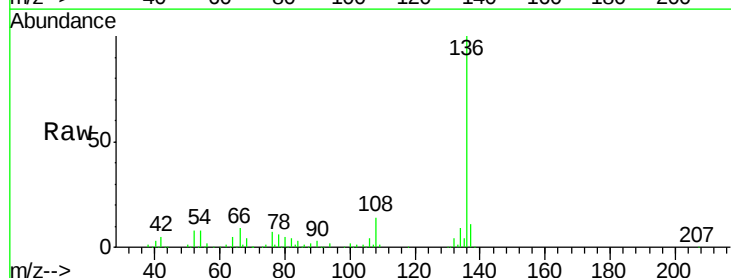
Ion Ratio Lower Upper

136 100

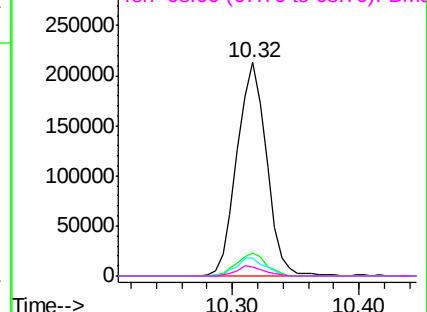
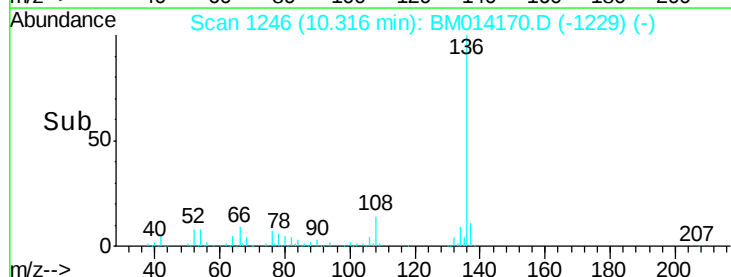
137 11.0 8.7 13.1

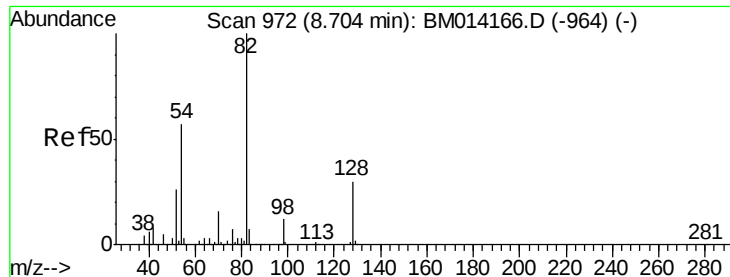
54 8.5 4.6 6.8#

68 3.9 3.7 5.5



Abundance Ion 136.00 (135.70 to 136.70): BM014170.D (-1229) (-)





#23

Nitrobenzene-d5

Concen: 103.11 ng

RT: 8.70 min Scan# 972

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

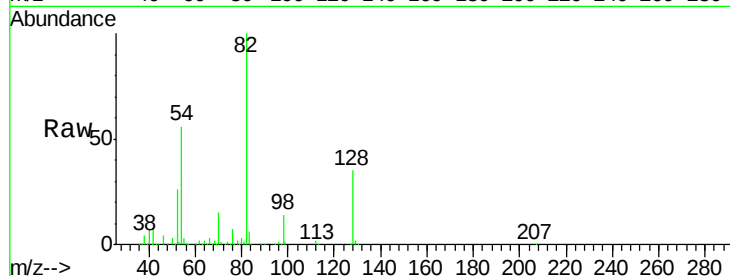
Tgt Ion: 82 Resp: 795605

Ion Ratio Lower Upper

82 100

128 35.0 32.8 49.2

54 55.8 40.6 60.8

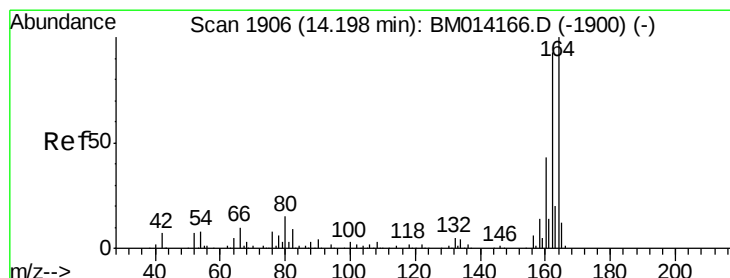
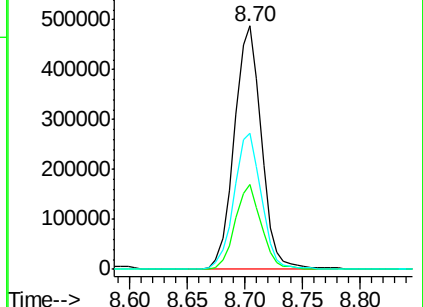
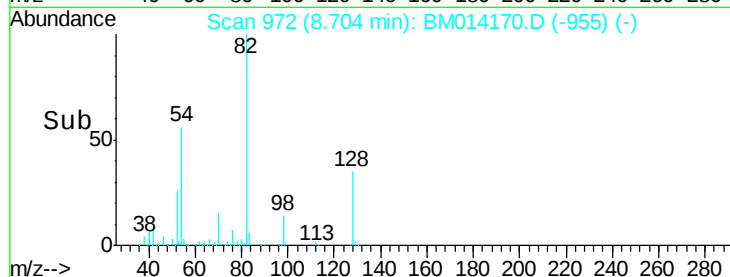


Abundance Ion 82.00 (81.70 to 82.70): BM014170.D (-955) (-)

Ion 128.00 (127.70 to 128.70): BM014170.D (-955) (-)

Ion 54.00 (53.70 to 54.70): BM014170.D (-955) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.20 min Scan# 1906

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

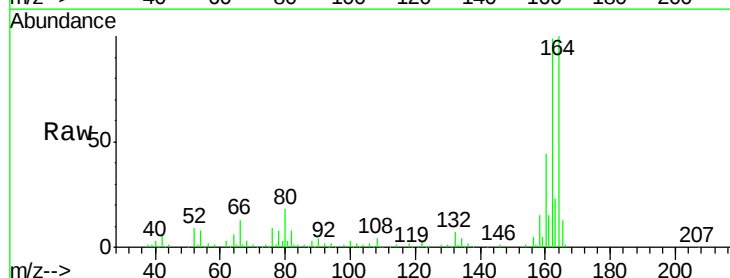
Tgt Ion: 164 Resp: 230697

Ion Ratio Lower Upper

164 100

162 98.9 82.4 123.6

160 43.9 35.8 53.6

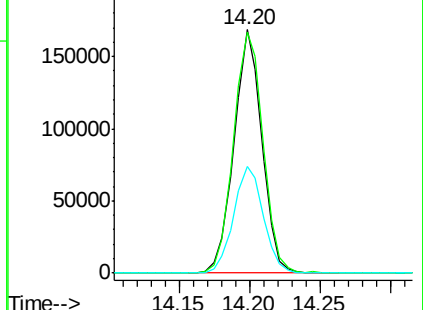
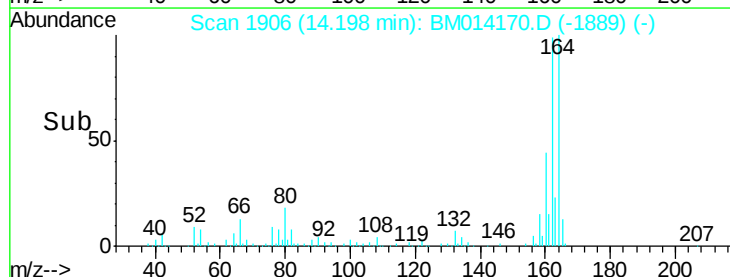


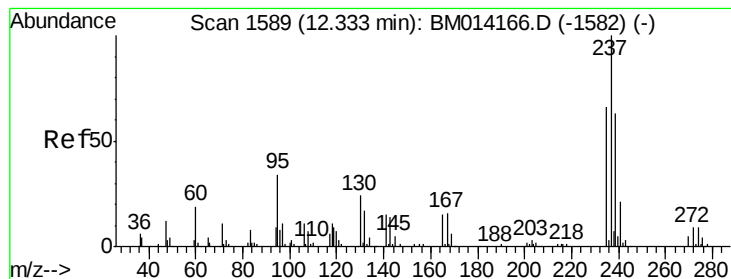
Abundance Ion 164.00 (163.70 to 164.70): BM014170.D (-1889) (-)

Ion 162.00 (161.70 to 162.70): BM014170.D (-1889) (-)

Ion 160.00 (159.70 to 160.70): BM014170.D (-1889) (-)

Time-->





#40

Hexachlorocyclopentadiene

Concen: 10.19 ng

RT: 12.33 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA_M

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LOD-MDL-SOIL-01-QT1-2018

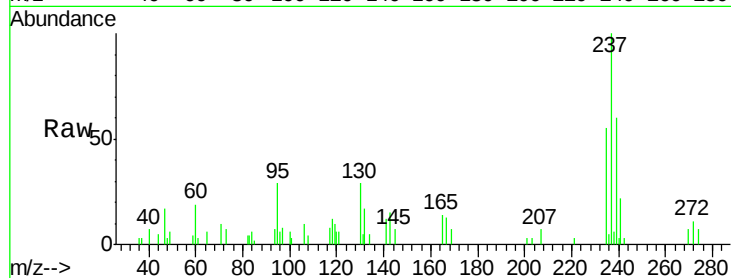
Tgt Ion:237 Resp: 20635

Ion Ratio Lower Upper

237 100

235 54.7 42.0 82.0

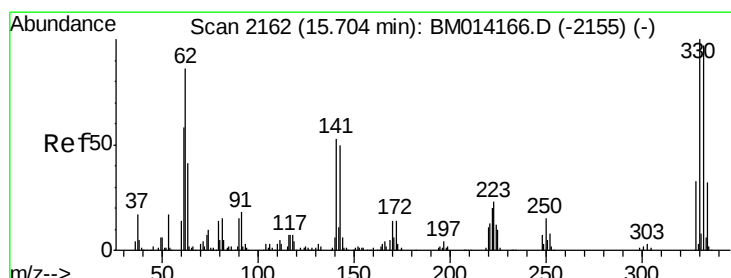
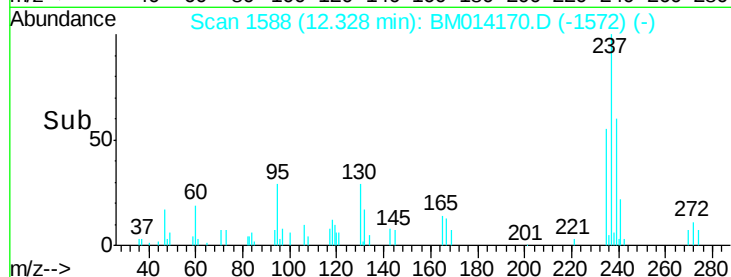
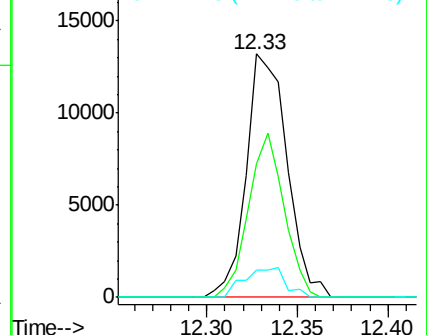
272 11.2 0.0 33.4



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: 141.58 ng

RT: 15.70 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

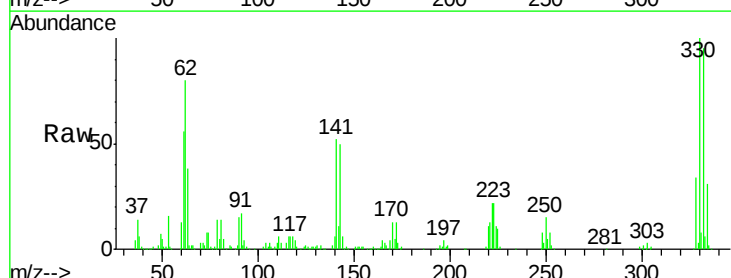
Tgt Ion:330 Resp: 463472

Ion Ratio Lower Upper

330 100

332 94.9 0.0 0.0#

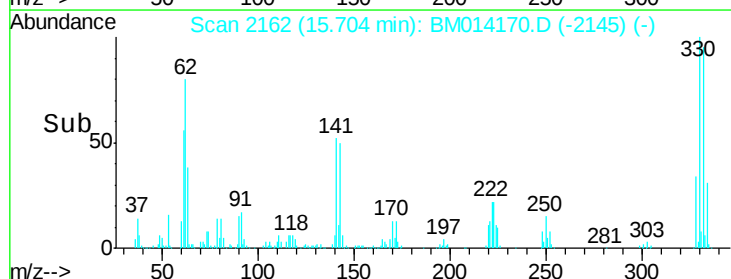
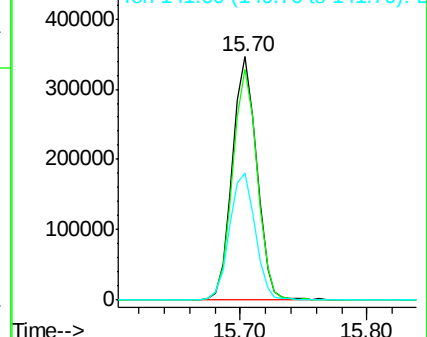
141 54.6 0.0 0.0#

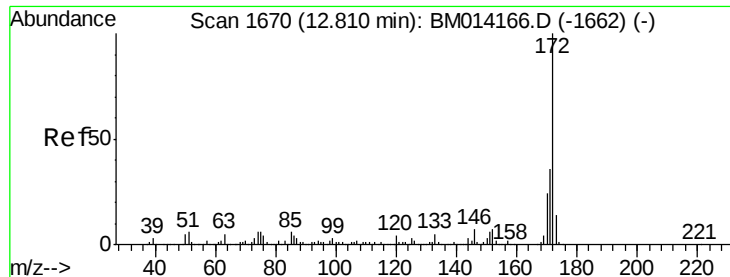


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

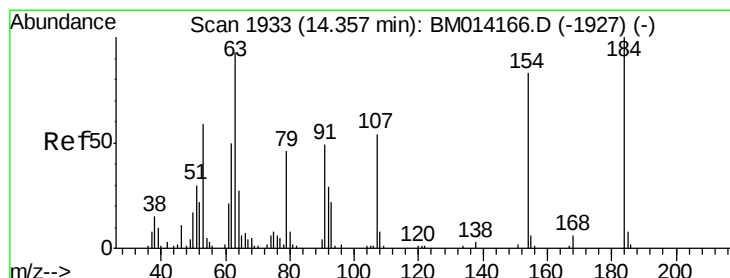
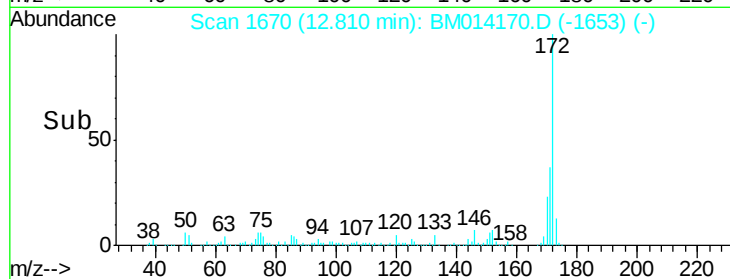
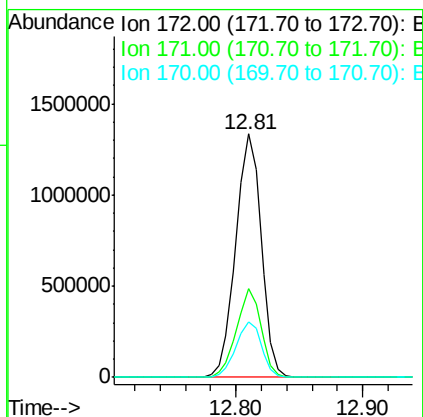
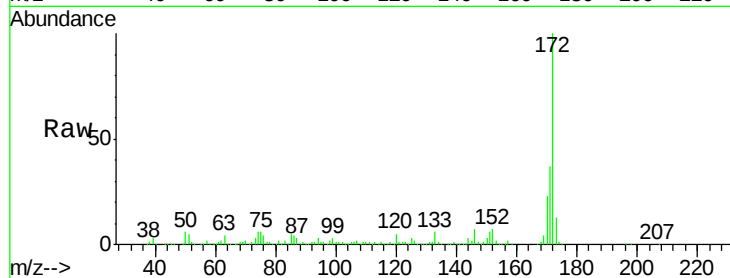




#44
2-Fluorobiphenyl
Concen: 100.46 ng
RT: 12.81 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BM014170.D
Acq: 07 Feb 2018 20:43

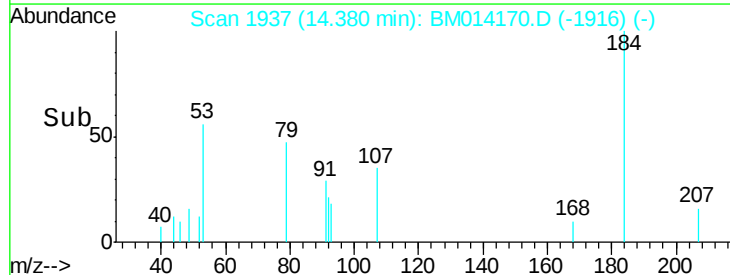
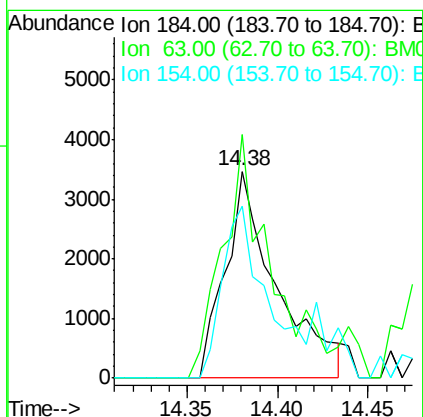
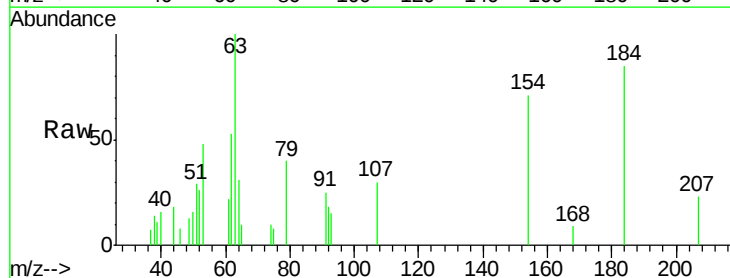
Instrument :
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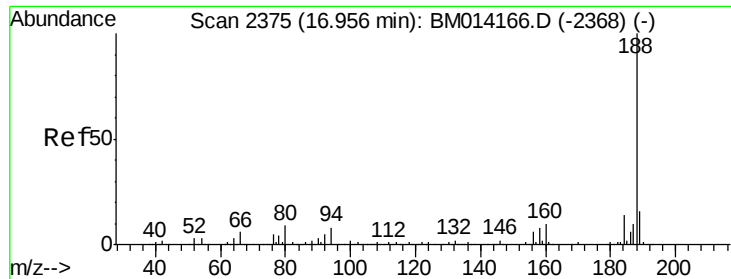
Tgt Ion:172 Resp: 1856640
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 23.0 18.8 28.2



#53
2,4-Dinitrophenol
Concen: 10.23 ng
RT: 14.38 min Scan# 1937
Delta R.T. 0.02 min
Lab File: BM014170.D
Acq: 07 Feb 2018 20:43

Tgt Ion:184 Resp: 6820
Ion Ratio Lower Upper
184 100
63 117.7 69.2 103.8#
154 83.0 53.3 79.9#

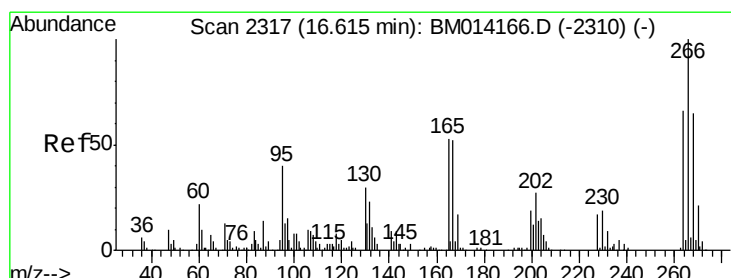
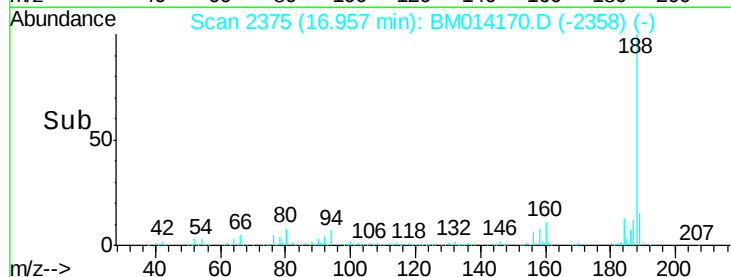
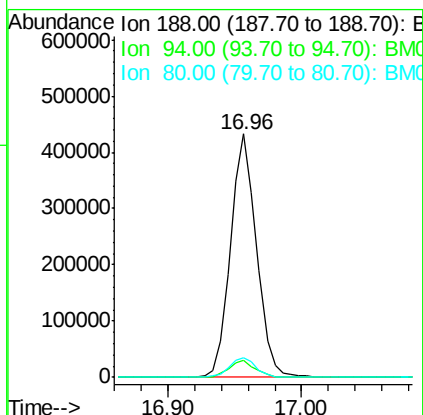
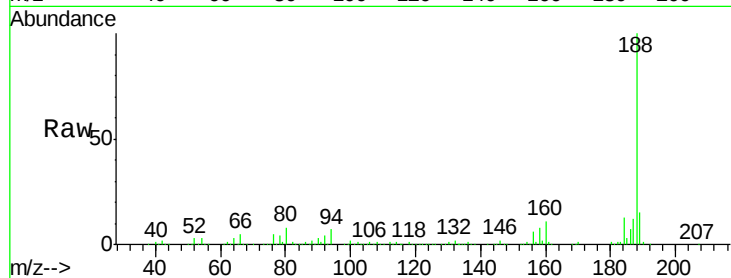




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.96 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BM014170.D
Acq: 07 Feb 2018 20:43

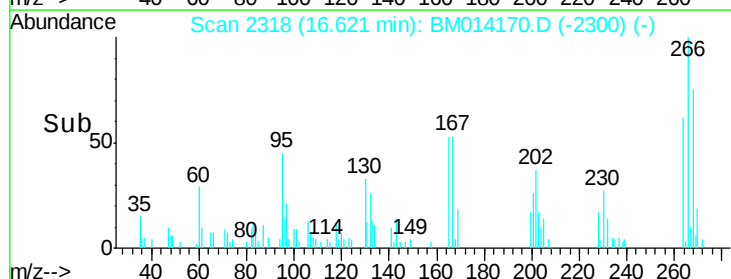
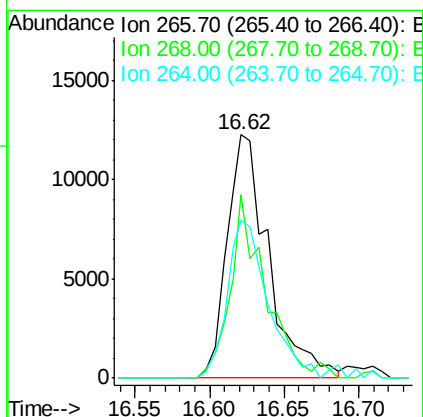
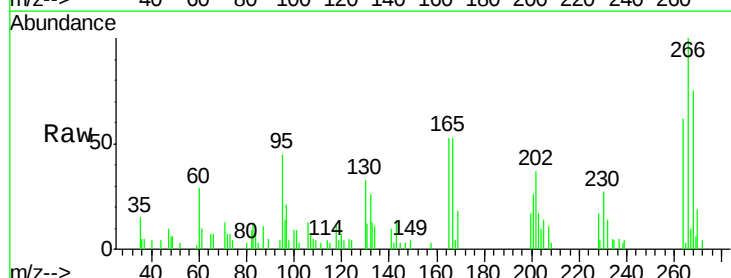
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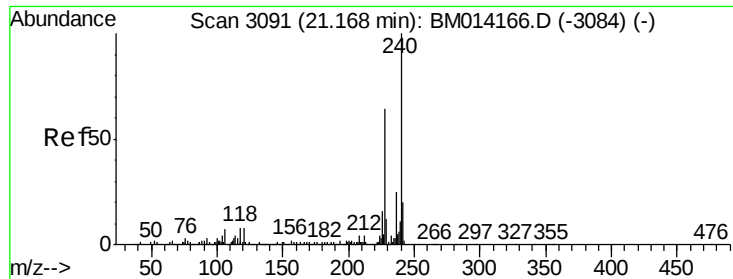
Tgt Ion:188 Resp: 587601
Ion Ratio Lower Upper
188 100
94 6.9 8.7 13.1#
80 8.0 9.3 13.9#



#69
Pentachlorophenol
Concen: 10.19 ng
RT: 16.62 min Scan# 2318
Delta R.T. 0.01 min
Lab File: BM014170.D
Acq: 07 Feb 2018 20:43

Tgt Ion:266 Resp: 23773
Ion Ratio Lower Upper
266 100
268 75.2 52.0 78.0
264 64.7 49.0 73.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

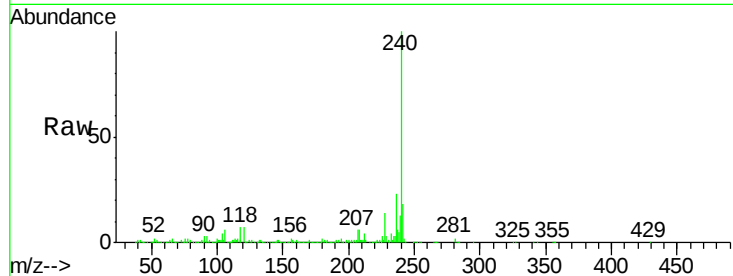
Tgt Ion:240 Resp: 688860

Ion Ratio Lower Upper

240 100

120 6.8 8.2 12.2#

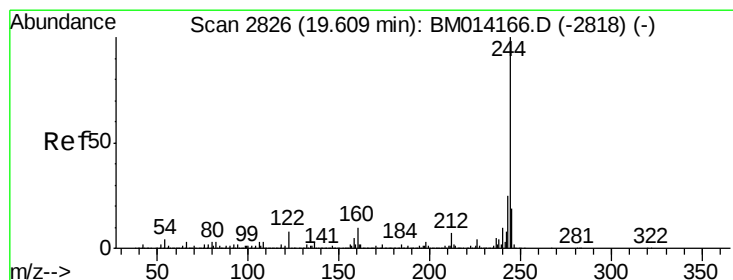
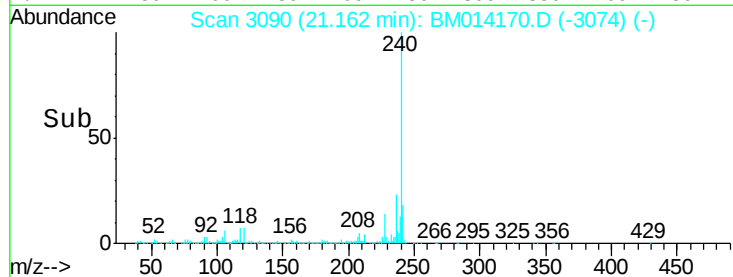
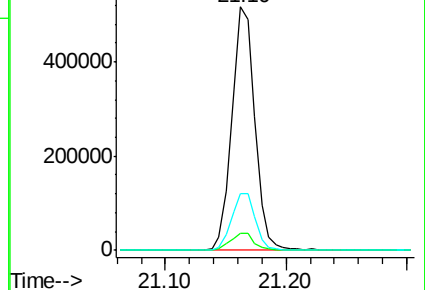
236 23.1 20.0 30.0



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: 96.48 ng

RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

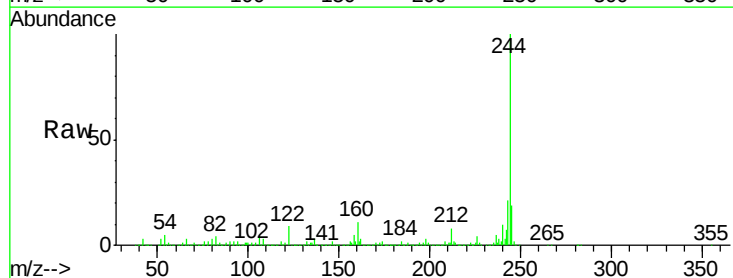
Tgt Ion:244 Resp: 3401513

Ion Ratio Lower Upper

244 100

212 8.5 4.9 7.3#

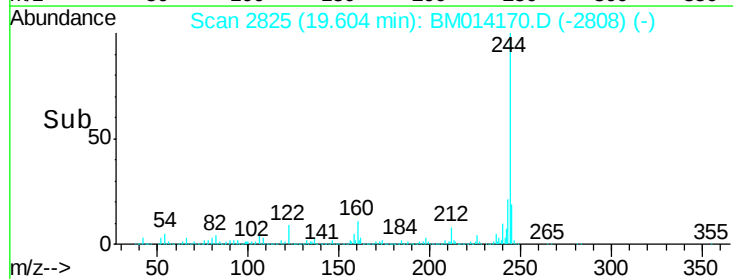
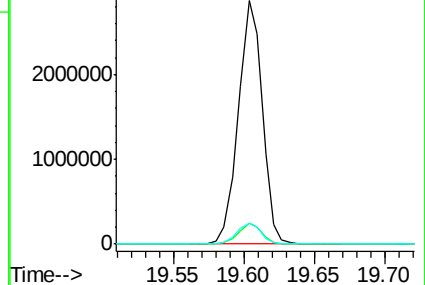
122 8.6 6.2 9.4

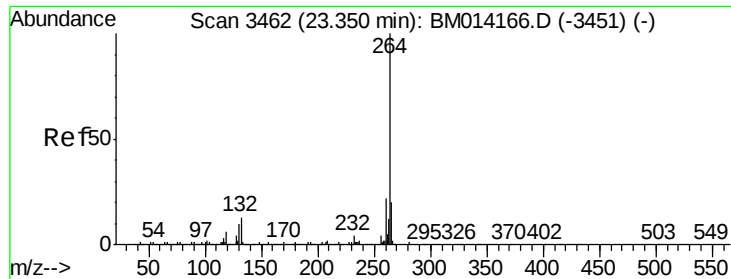


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

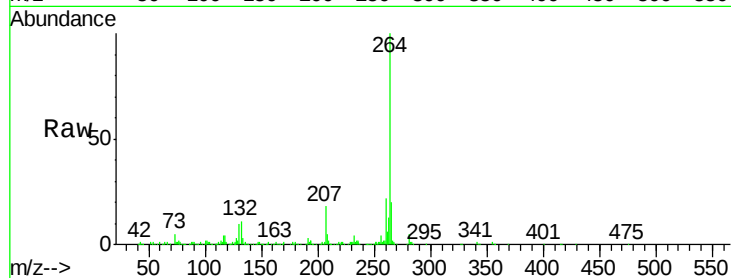




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.34 min Scan# 3461
Delta R.T. -0.00 min
Lab File: BM014170.D
Acq: 07 Feb 2018 20:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.6	27.8
265	20.4	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

