

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071118\
 Data File : BM015912.D
 Acq On : 12 Jul 2018 13:22
 Operator : SJ/JU
 Sample : J3928-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Jul 12 14:40:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 05 17:39:50 2018
 Response via : Initial Calibration

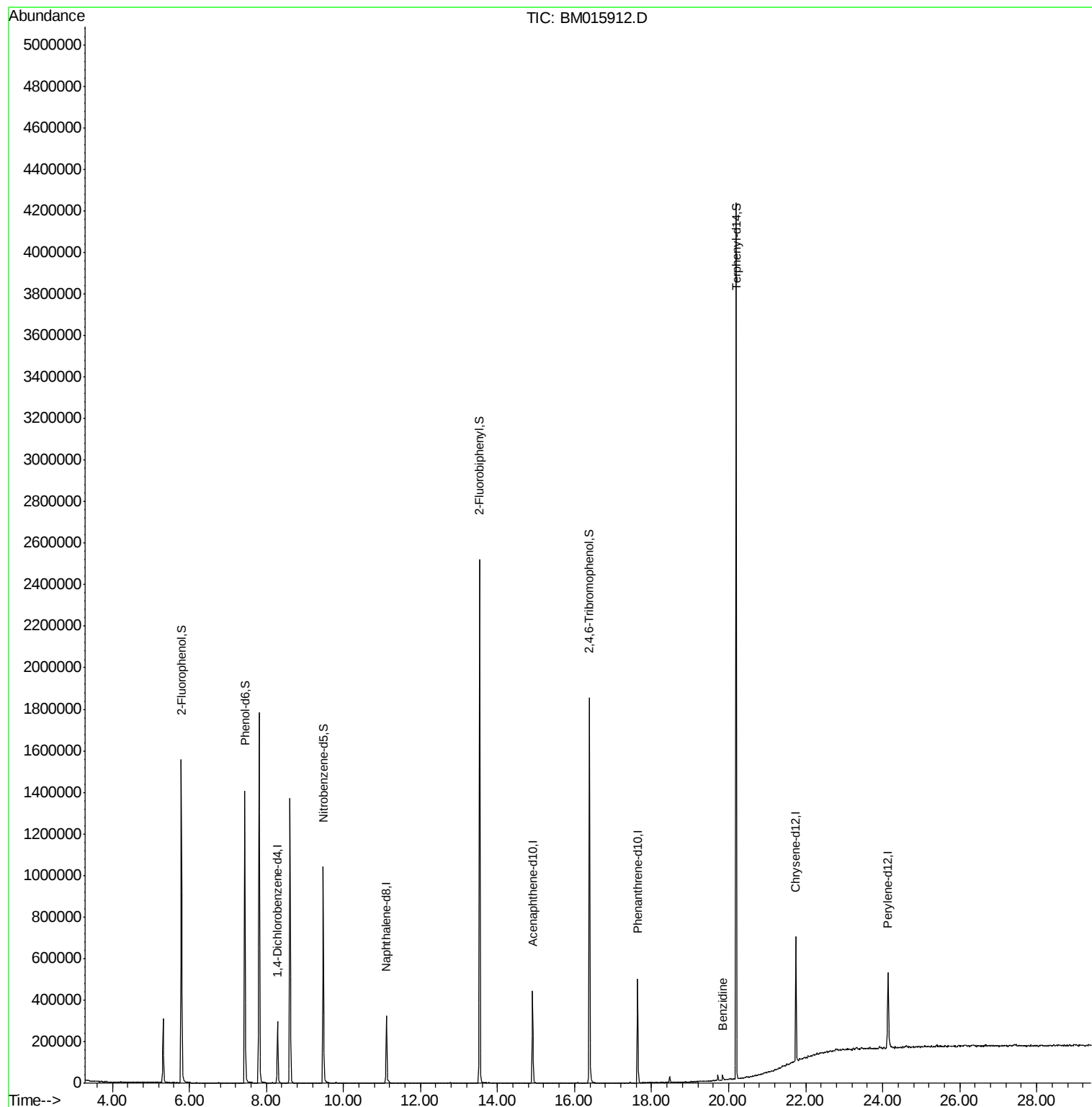
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	68886	20.00	ng	-0.02
21) Naphthalene-d8	11.12	136	244247	20.00	ng	-0.03
38) Acenaphthene-d10	14.91	164	129653	20.00	ng	-0.02
63) Phenanthrene-d10	17.64	188	266586	20.00	ng	-0.02
75) Chrysene-d12	21.74	240	246192	20.00	ng	-0.02
86) Perylene-d12	24.14	264	257080	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	534537	133.08	ng	-0.02
7) Phenol-d6	7.44	99	601617	109.41	ng	-0.02
23) Nitrobenzene-d5	9.47	82	531582	106.19	ng	-0.03
41) 2,4,6-Tribromophenol	16.39	330	236311	139.49	ng	-0.02
44) 2-Fluorobiphenyl	13.53	172	1046141	100.17	ng	-0.03
78) Terphenyl-d14	20.20	244	1436308	108.21	ng	-0.02
Target Compounds						
76) Benzidine	19.84	184	18864	2.615	ng	Qvalue 96

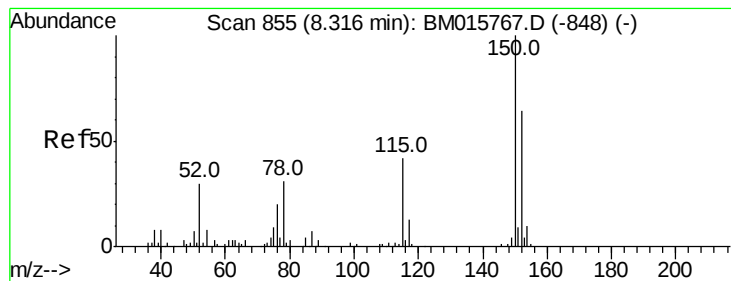
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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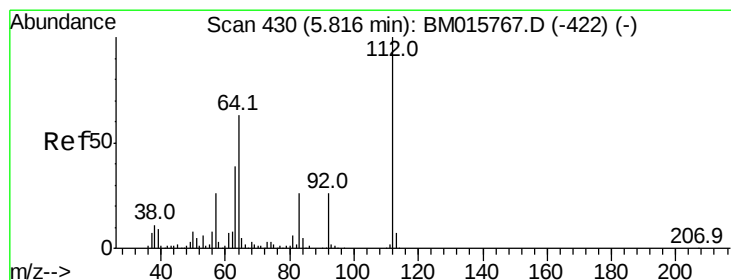
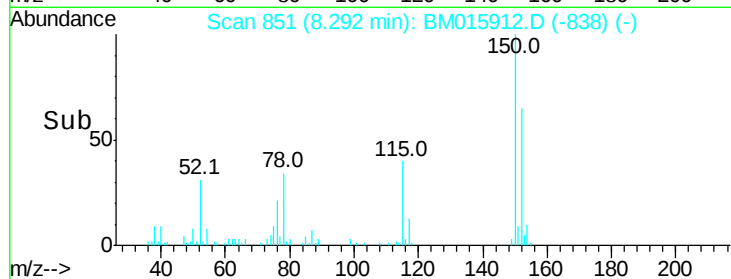
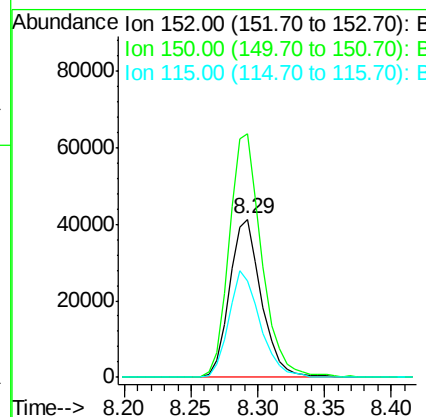
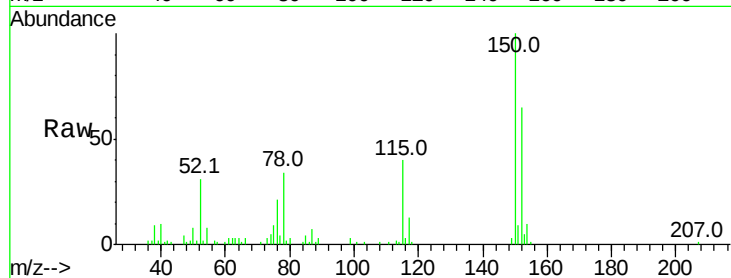


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.29 min Scan# 851
Delta R.T. -0.02 min
Lab File: BM015912.D
Acq: 12 Jul 2018 13:22

Instrument :
BNA_M
ClientSampleId :
SOIL-CUTTINGS

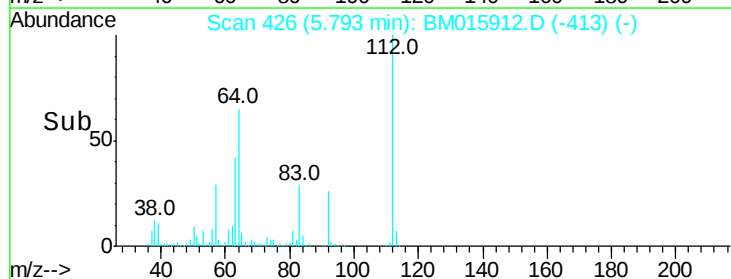
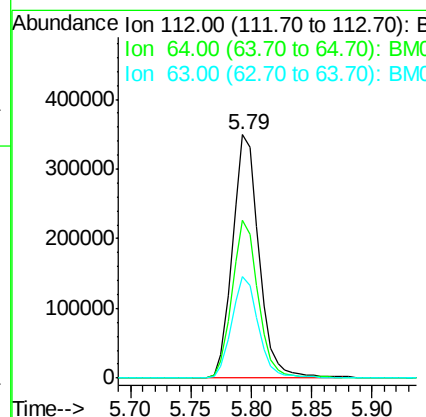
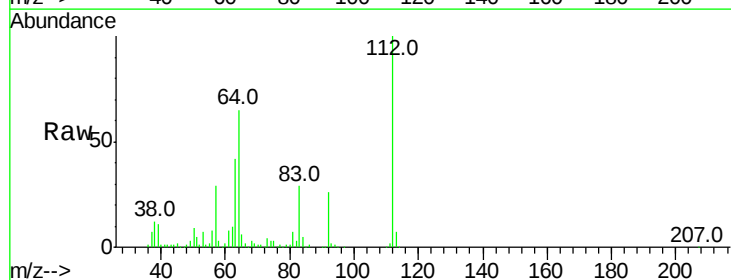
Tot Ion:152 Resp: 68886
Ion Ratio Lower Upper
152 100
150 153.9 119.5 179.3
115 61.1 43.0 64.4

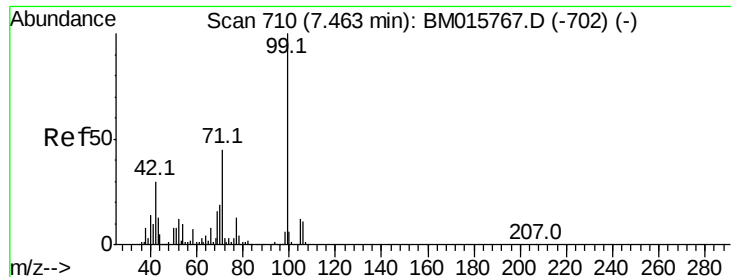


#5

2-Fluorophenol
Concen: Below ng
RT: 5.79 min Scan# 426
Delta R.T. -0.02 min
Lab File: BM015912.D
Acq: 12 Jul 2018 13:22

Tgt Ion:112 Resp: 534537
Ion Ratio Lower Upper
112 100
64 64.7 38.6 57.8#
63 41.9 19.3 28.9#





#7

Phenol-d6

Concen: N.D. ng

RT: 7.44 min Scan# 706

Delta R.T. -0.02 min

Lab File: BM015912.D

Acq: 12 Jul 2018 13:22

Instrument :

BNA_M

ClientSampleId :

SOIL-CUTTINGS

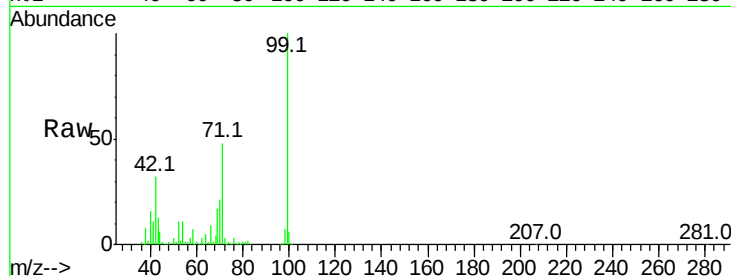
Tot Ion: 99 Resp: 601617

Ion Ratio Lower Upper

99 100

42 32.5 11.0 16.4#

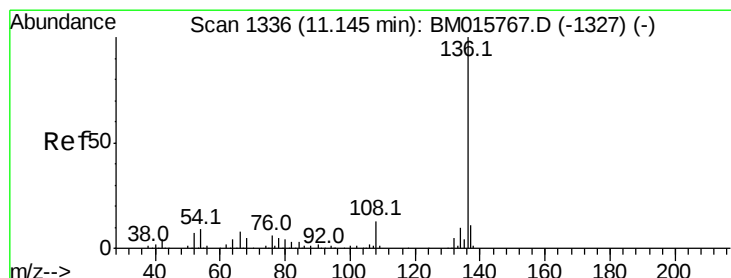
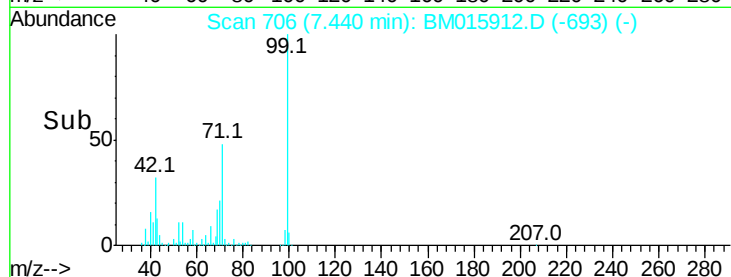
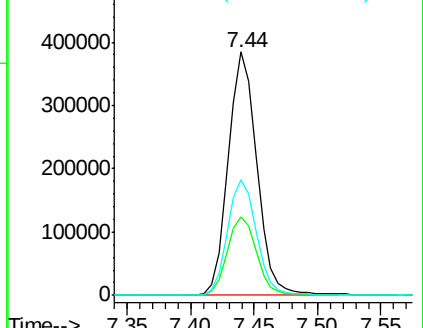
71 47.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM015767.D (-702) (-)

Ion 42.00 (41.70 to 42.70): BM015767.D (-702) (-)

Ion 71.00 (70.70 to 71.70): BM015767.D (-702) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.12 min Scan# 1331

Delta R.T. -0.03 min

Lab File: BM015912.D

Acq: 12 Jul 2018 13:22

Tgt Ion: 136 Resp: 244247

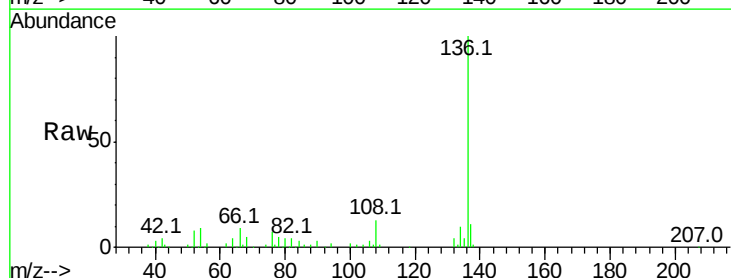
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.8 4.6 6.8#

68 4.6 3.7 5.5

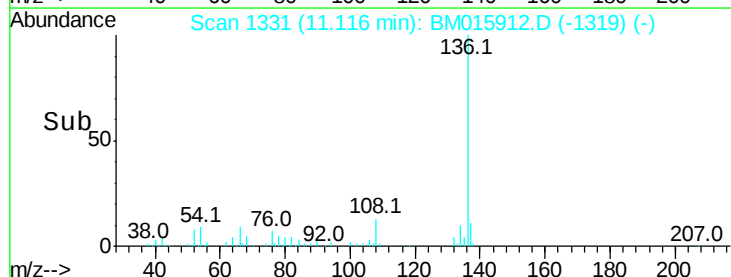
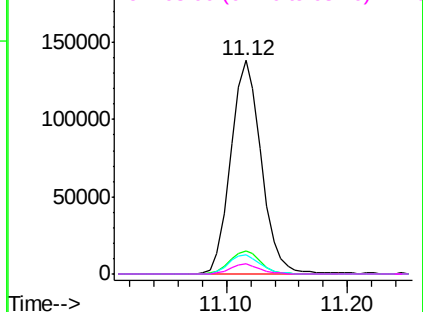


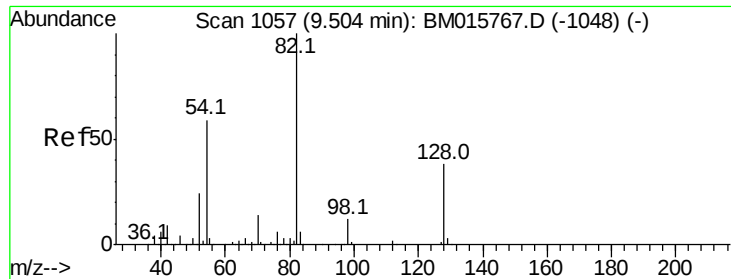
Abundance Ion 136.00 (135.70 to 136.70): BM015767.D (-1327) (-)

Ion 137.00 (136.70 to 137.70): BM015767.D (-1327) (-)

Ion 54.00 (53.70 to 54.70): BM015767.D (-1327) (-)

Ion 68.00 (67.70 to 68.70): BM015767.D (-1327) (-)

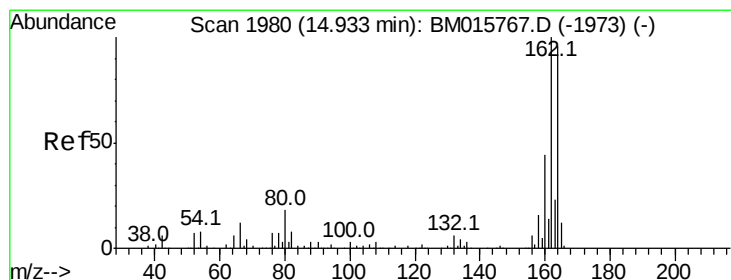
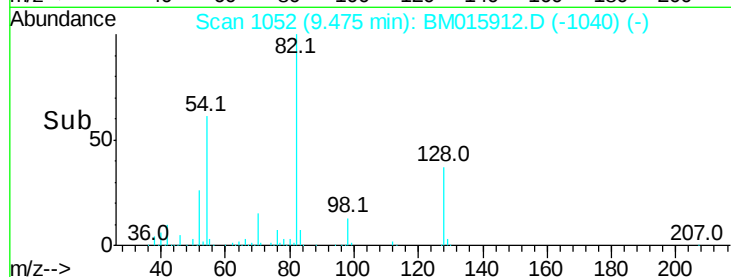
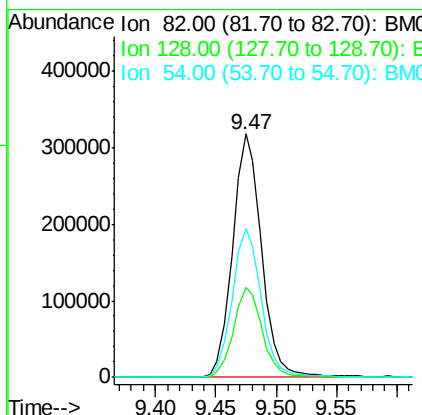
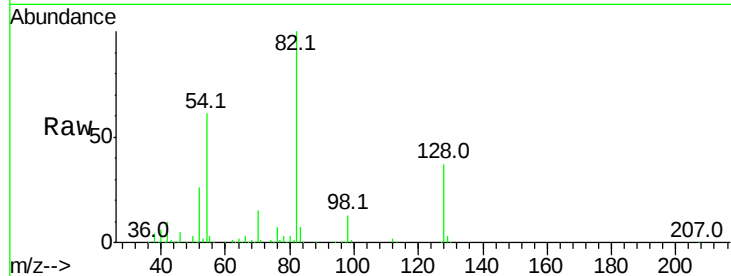




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.47 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: BM015912.D
 Acq: 12 Jul 2018 13:22

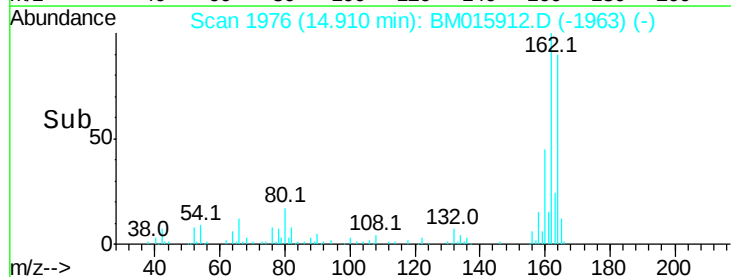
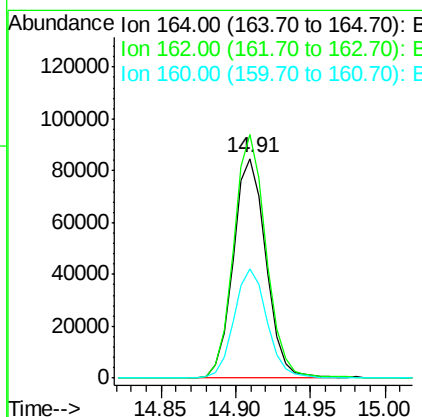
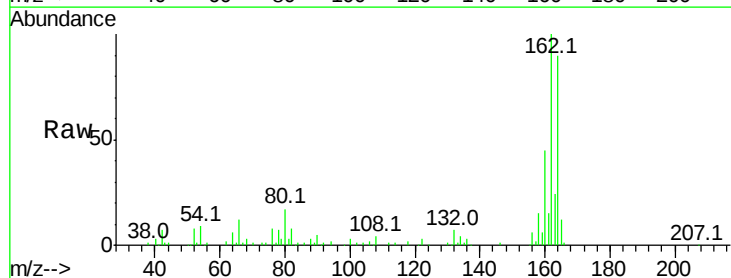
Instrument :
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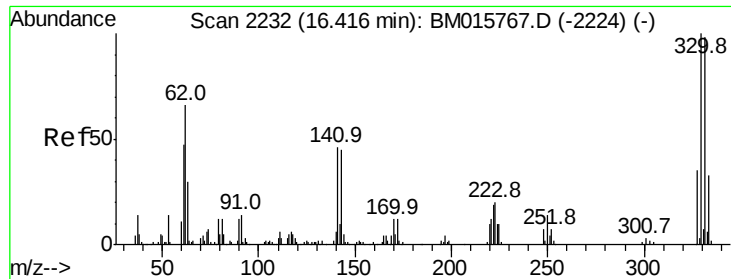
Tot Ion: 82 Resp: 531582
 Ion Ratio Lower Upper
 82 100
 128 36.9 32.8 49.2
 54 60.9 40.6 60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.91 min Scan# 1976
 Delta R.T. -0.02 min
 Lab File: BM015912.D
 Acq: 12 Jul 2018 13:22

Tgt Ion:164 Resp: 129653
 Ion Ratio Lower Upper
 164 100
 162 110.8 82.4 123.6
 160 49.8 35.8 53.6

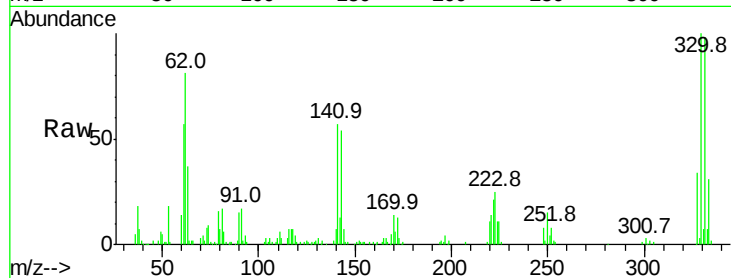




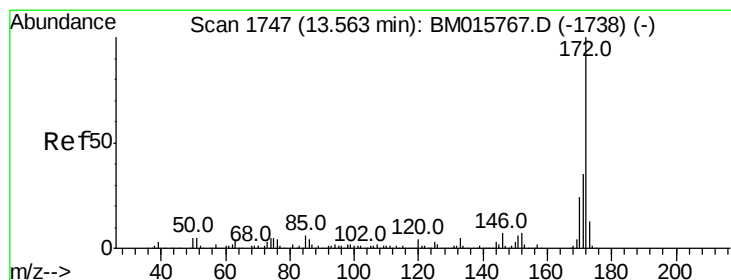
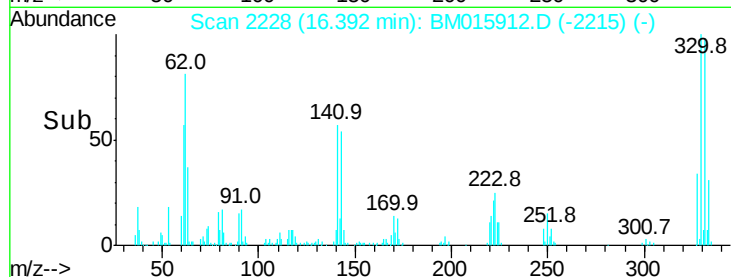
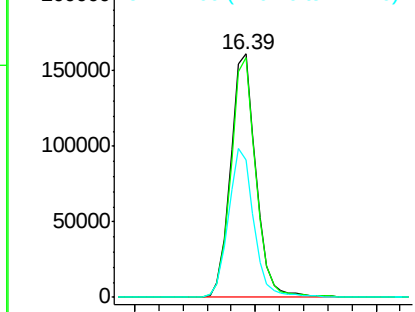
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.39 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BM015912.D
 Acq: 12 Jul 2018 13:22

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion:330 Resp: 236311
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 60.9 0.0 0.0#

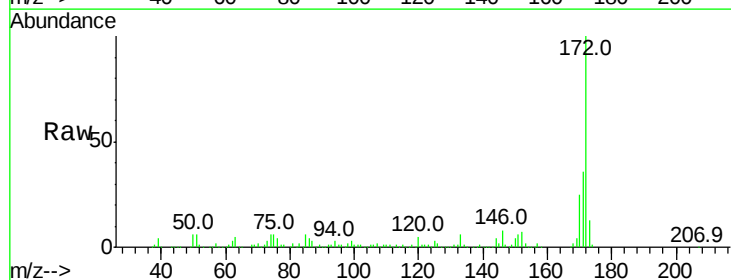


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

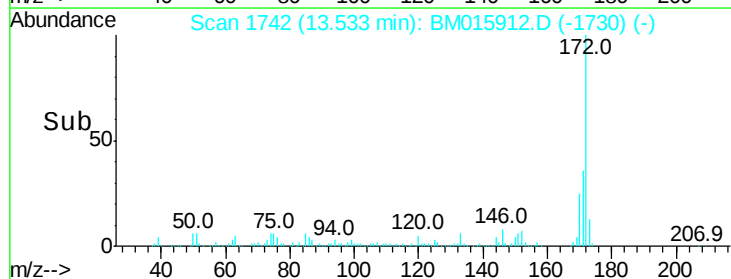
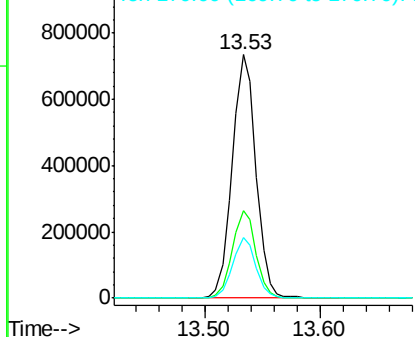


#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.53 min Scan# 1742
 Delta R.T. -0.03 min
 Lab File: BM015912.D
 Acq: 12 Jul 2018 13:22

Tgt Ion:172 Resp: 1046141
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.5 42.7
 170 24.7 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

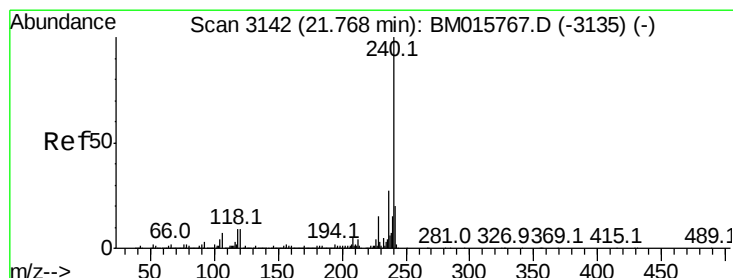
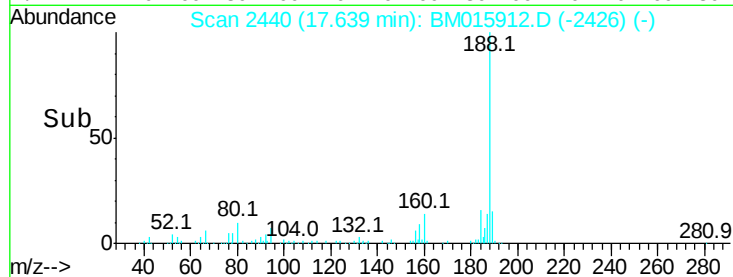
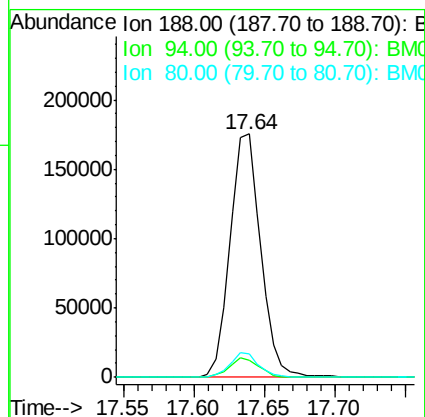
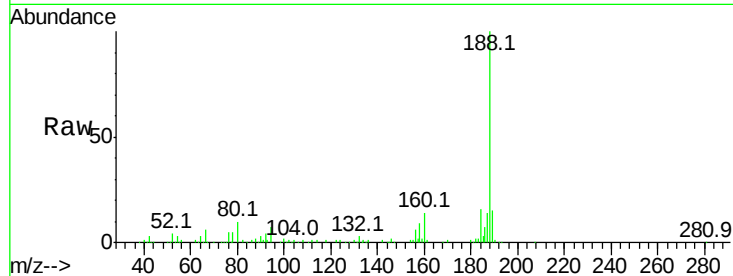




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BM015912.D
Acq: 12 Jul 2018 13:22

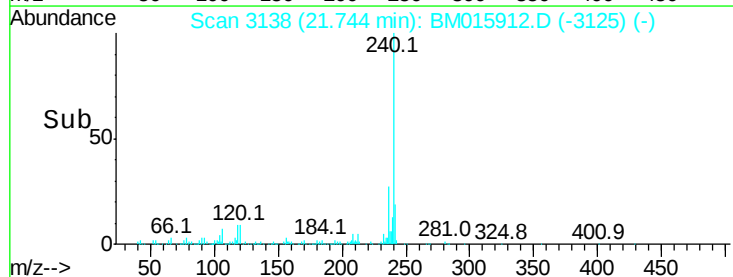
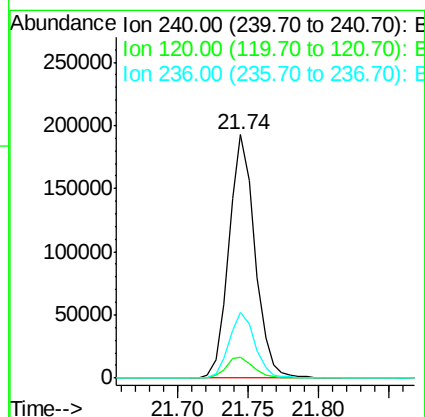
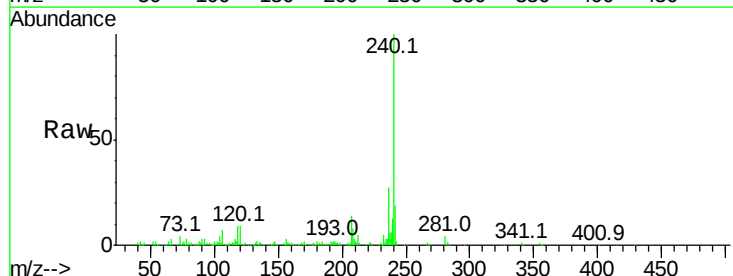
Instrument :
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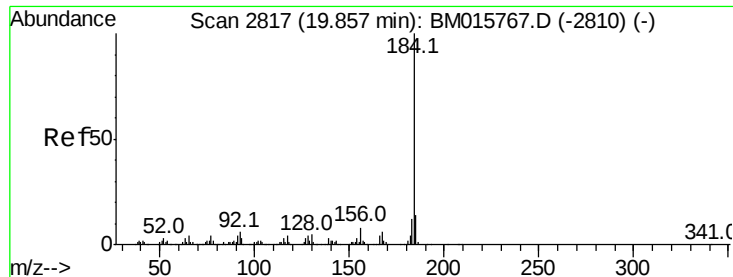
Tot Ion:188 Resp: 266586
Ion Ratio Lower Upper
188 100
94 7.2 8.7 13.1#
80 9.7 9.3 13.9



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3138
Delta R.T. -0.02 min
Lab File: BM015912.D
Acq: 12 Jul 2018 13:22

Tgt Ion:240 Resp: 246192
Ion Ratio Lower Upper
240 100
120 8.8 8.2 12.2
236 27.2 20.0 30.0





#76

Benzidine

Concen: 2.615 ng

RT: 19.84 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BM015912.D

Acq: 12 Jul 2018 13:22

Instrument :

BNA_M

ClientSampleId :

SOIL-CUTTINGS

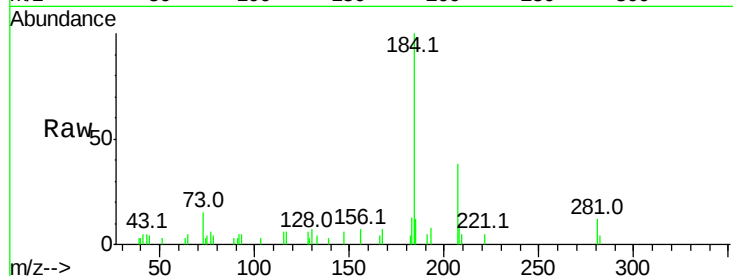
Tot Ion:184 Resp: 18864

Ion Ratio Lower Upper

184 100

185 12.5 11.3 16.9

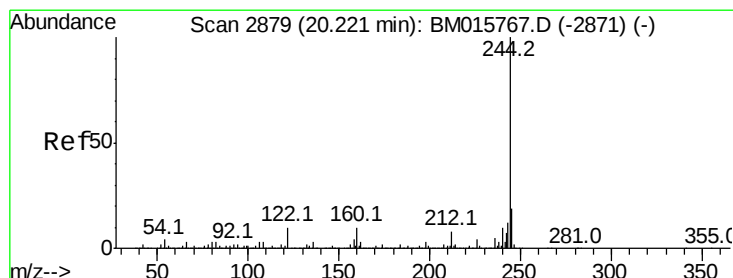
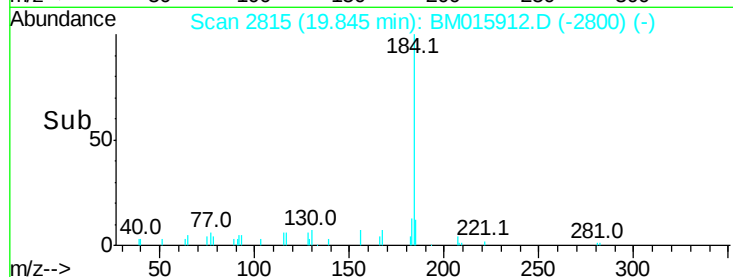
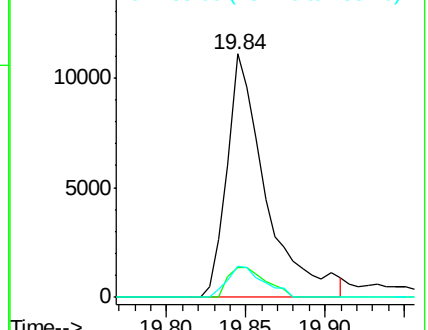
183 12.7 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.20 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BM015912.D

Acq: 12 Jul 2018 13:22

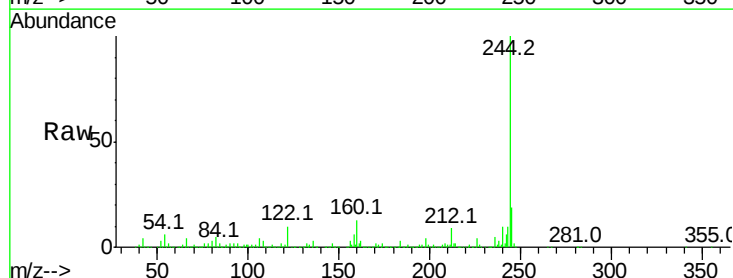
Tgt Ion:244 Resp: 1436308

Ion Ratio Lower Upper

244 100

212 9.0 4.9 7.3#

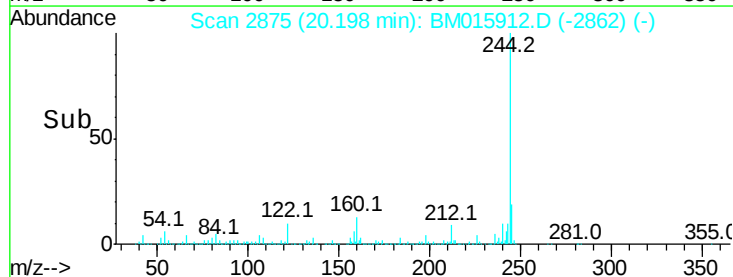
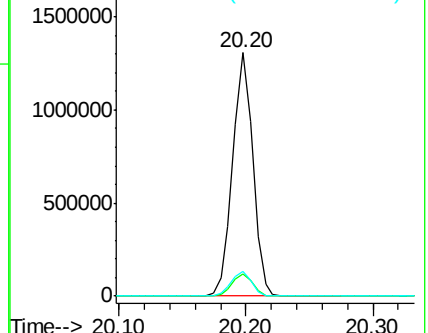
122 10.1 6.2 9.4#

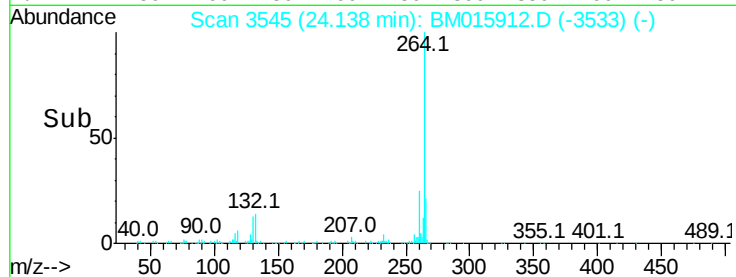
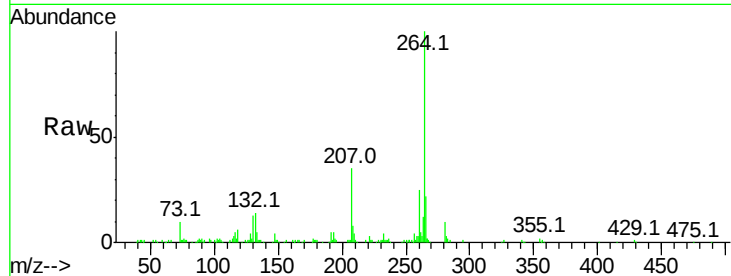
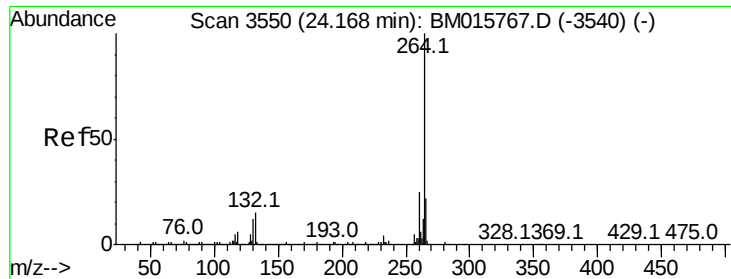


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.14 min Scan# 3545

Delta R.T. -0.03 min

Lab File: BM015912.D

Acq: 12 Jul 2018 13:22

Instrument :

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Tot Ion: 264 Resp: 257080

Ion Ratio Lower Upper

264 100

260 24.7 18.6 27.8

265 22.4 17.3 25.9

