

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081517\
 Data File : BM011245.D
 Acq On : 15 Aug 2017 22:27
 Operator : SJ/JU
 Sample : I4768-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HAMILTON-PL-SOIL-66

Quant Time: Aug 16 01:59:38 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 01:32:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	95676	20.00	ng	0.00
21) Naphthalene-d8	10.05	136	320833	20.00	ng	0.00
38) Acenaphthene-d10	13.96	164	135815	20.00	ng	0.00
63) Phenanthrene-d10	16.72	188	448418	20.00	ng	0.00
75) Chrysene-d12	20.94	240	341918	20.00	ng	0.00
86) Perylene-d12	23.03	264	23645	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.93	112	826573	146.04	ng	0.00
7) Phenol-d6	6.49	99	911297	113.32	ng	0.00
23) Nitrobenzene-d5	8.44	82	1039174	121.56	ng	0.00
41) 2,4,6-Tribromophenol	15.46	330	405262	186.17	ng	0.00
44) 2-Fluorobiphenyl	12.56	172	1541180	142.31	ng	0.00
78) Terphenyl-d14	19.39	244	2295208	132.97	ng	0.00

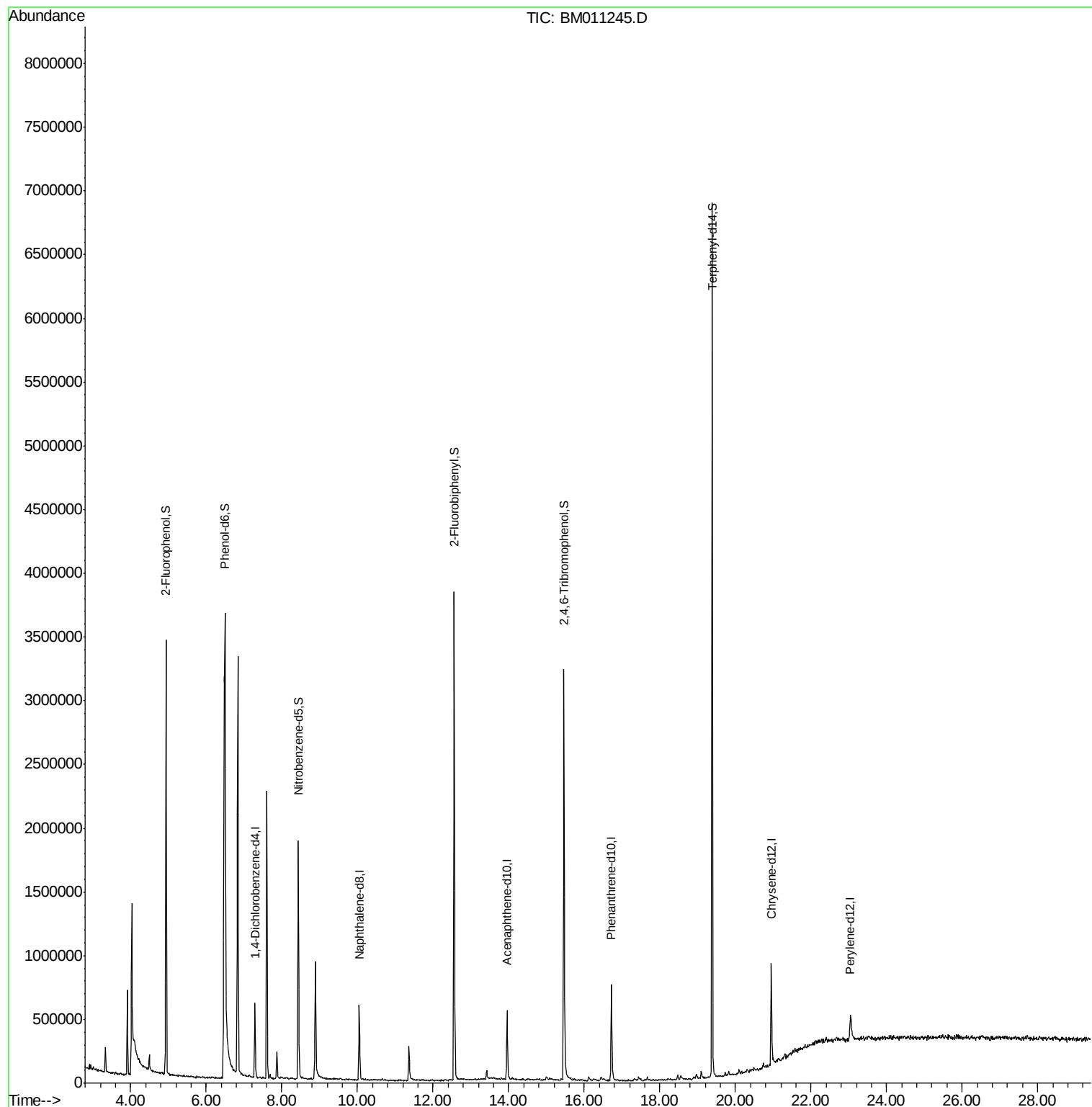
Target Compounds	Qvalue
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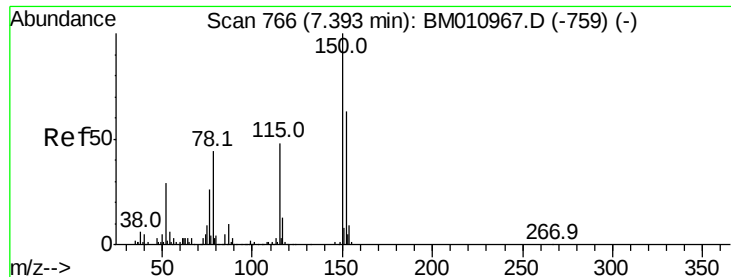
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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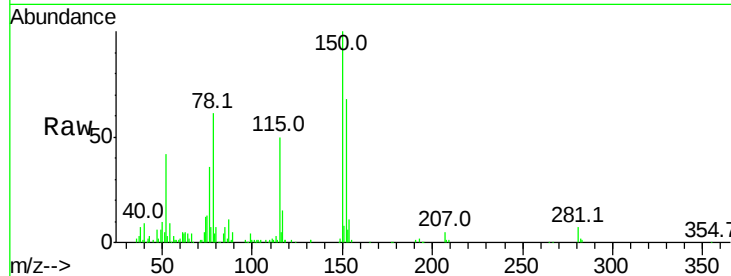


#1

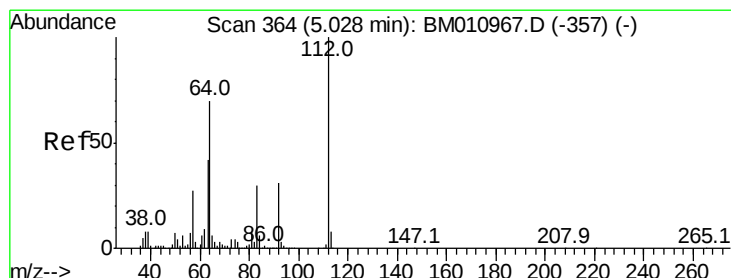
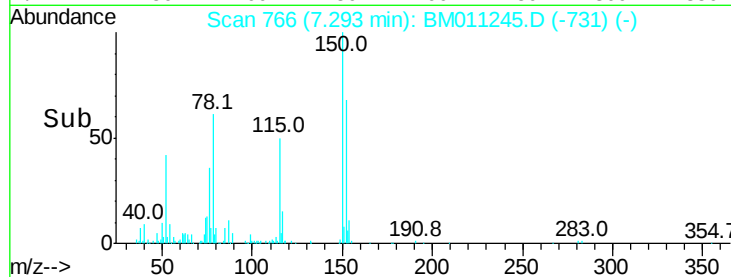
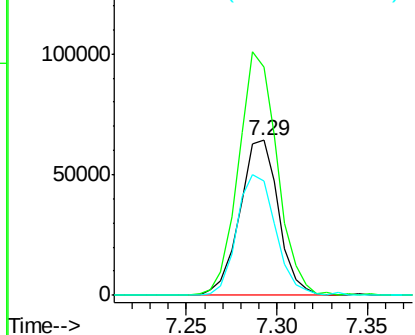
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.29 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: BM011245.D
 Acq: 15 Aug 2017 22:27

Instrument :
 BNA_M
 ClientSampleId :
 HAMILTON-PL-SOIL-66

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.2	119.5	179.3
115	73.6	43.0	64.4



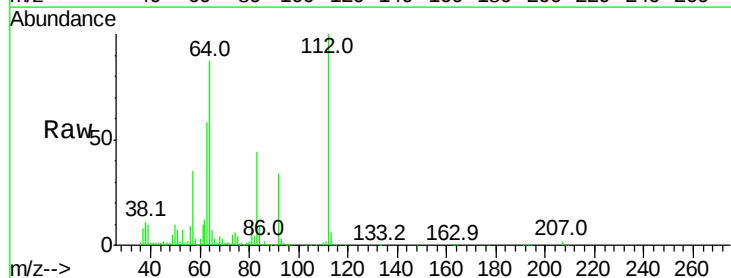
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



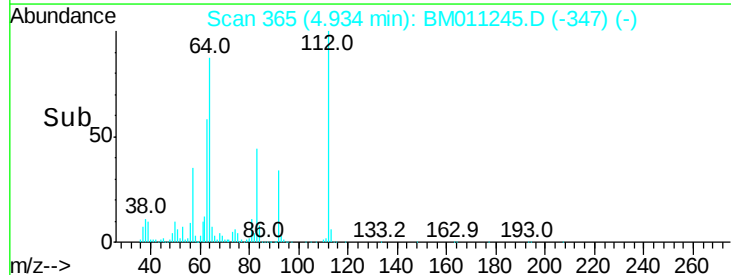
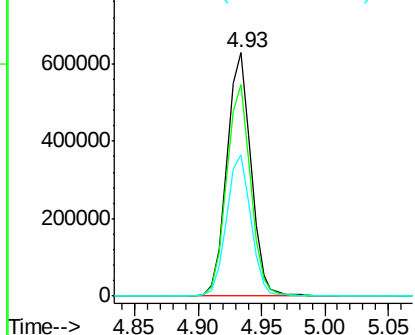
#5

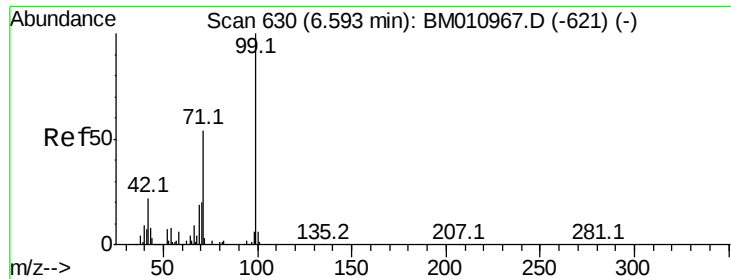
2-Fluorophenol
 Concen: 146.042 ng
 RT: 4.93 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: BM011245.D
 Acq: 15 Aug 2017 22:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	86.9	38.6	57.8
63	57.8	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: 113.323 ng

RT: 6.49 min Scan# 630

Delta R.T. 0.00 min

Lab File: BM011245.D

Acq: 15 Aug 2017 22:27

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66

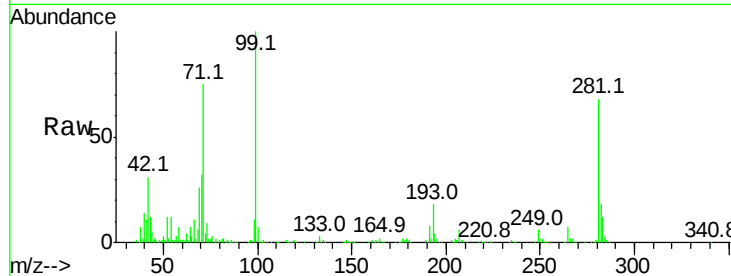
Tot Ion: 99 Resp: 911297

Ion Ratio Lower Upper

99 100

42 30.9 11.0 16.4#

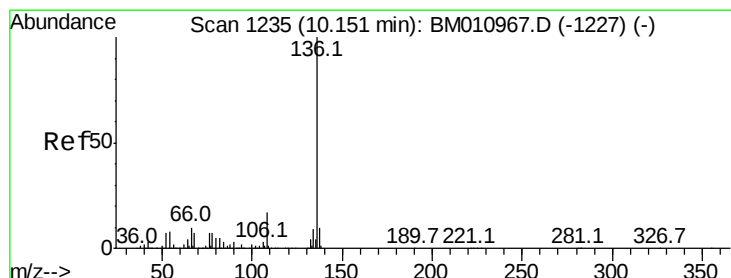
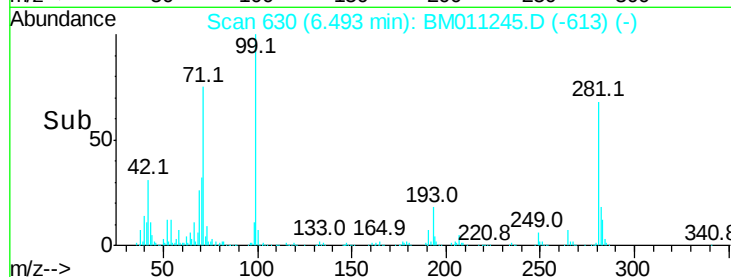
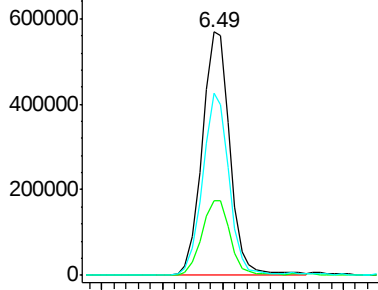
71 75.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011245.D (-613) (-)

Ion 42.00 (41.70 to 42.70): BM011245.D (-613) (-)

Ion 71.00 (70.70 to 71.70): BM011245.D (-613) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.05 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BM011245.D

Acq: 15 Aug 2017 22:27

Tgt Ion: 136 Resp: 320833

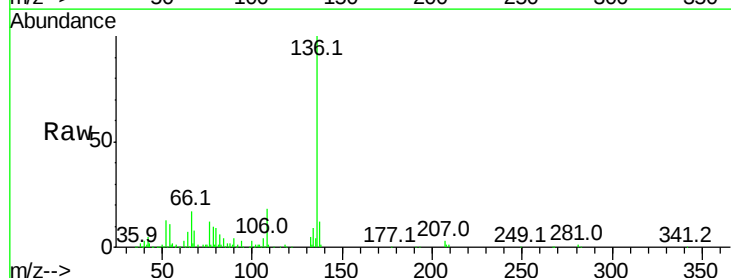
Ion Ratio Lower Upper

136 100

137 12.1 8.7 13.1

54 11.3 4.6 6.8#

68 7.7 3.7 5.5#

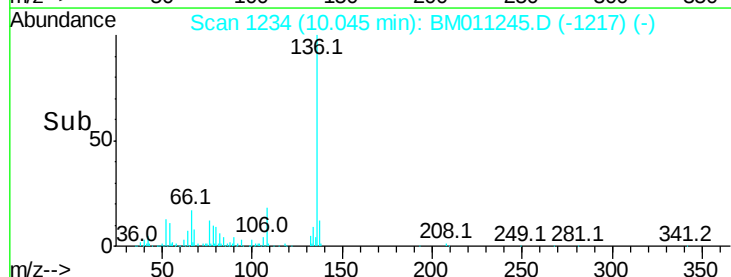
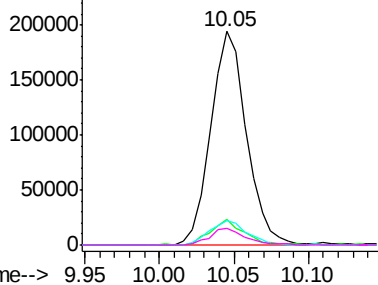


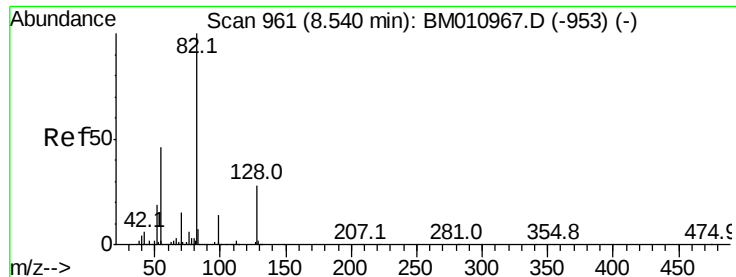
Abundance Ion 136.00 (135.70 to 136.70): BM011245.D (-1217) (-)

Ion 137.00 (136.70 to 137.70): BM011245.D (-1217) (-)

Ion 54.00 (53.70 to 54.70): BM011245.D (-1217) (-)

Ion 68.00 (67.70 to 68.70): BM011245.D (-1217) (-)





#23

Nitrobenzene-d5

Concen: 121.564 ng

RT: 8.44 min Scan# 961

Delta R.T. 0.00 min

Lab File: BM011245.D

Acq: 15 Aug 2017 22:27

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66

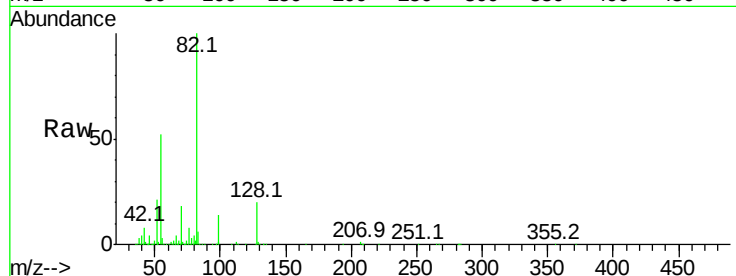
Tot Ion: 82 Resp: 1039174

Ion Ratio Lower Upper

82 100

128 20.2 32.8 49.2#

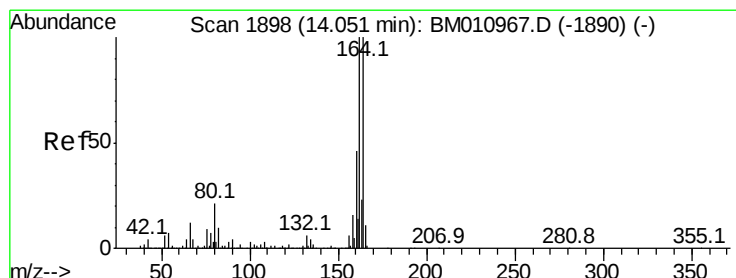
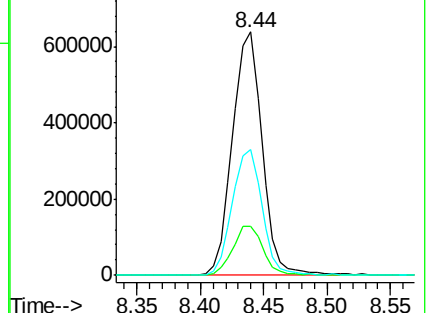
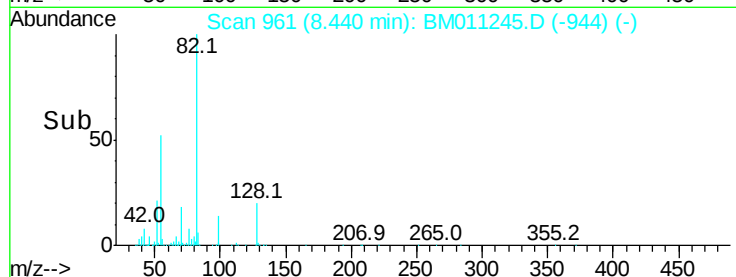
54 51.6 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM011245.D (-944) (-)

Ion 128.00 (127.70 to 128.70): BM011245.D (-944) (-)

Ion 54.00 (53.70 to 54.70): BM011245.D (-944) (-)



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.96 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BM011245.D

Acq: 15 Aug 2017 22:27

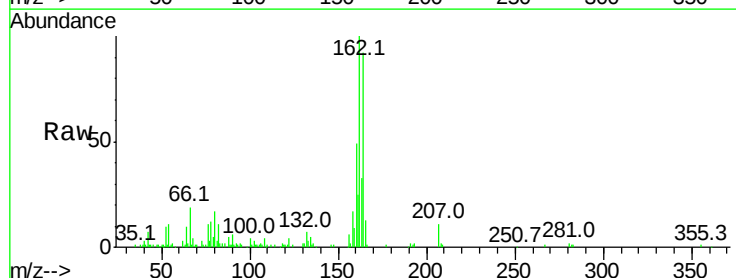
Tgt Ion:164 Resp: 135815

Ion Ratio Lower Upper

164 100

162 108.5 82.4 123.6

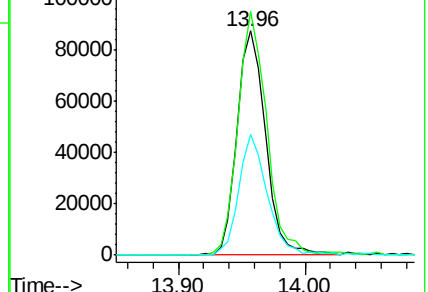
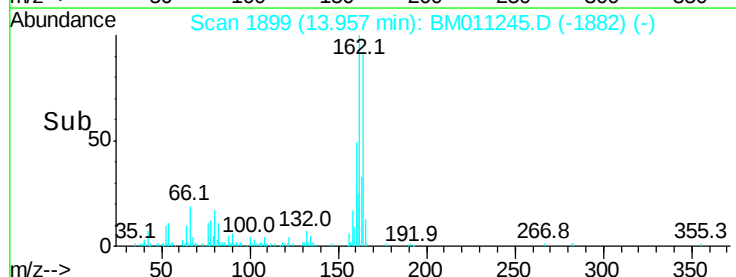
160 53.6 35.8 53.6

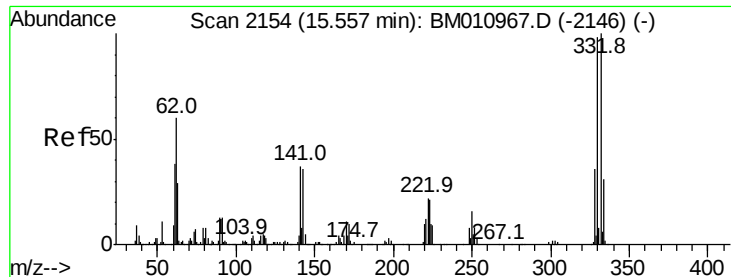


Abundance Ion 164.00 (163.70 to 164.70): BM011245.D (-1882) (-)

Ion 162.00 (161.70 to 162.70): BM011245.D (-1882) (-)

Ion 160.00 (159.70 to 160.70): BM011245.D (-1882) (-)

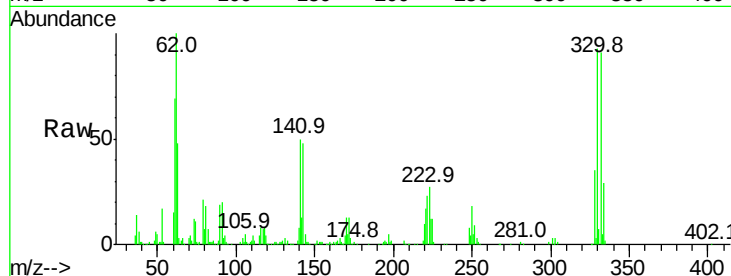




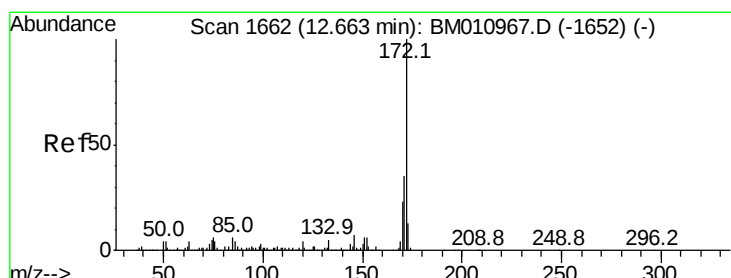
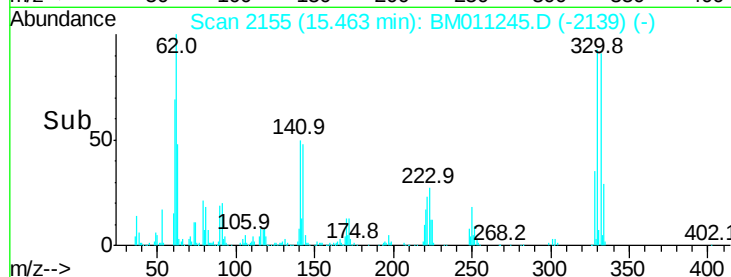
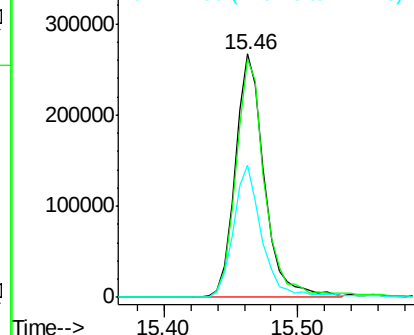
#41
 2,4,6-Tribromophenol
 Concen: 186.171 ng
 RT: 15.46 min Scan# 2155
 Delta R.T. -0.01 min
 Lab File: BM011245.D
 Acq: 15 Aug 2017 22:27

Instrument :
 BNA_M
 ClientSampleId :
 HAMILTON-PL-SOIL-66

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	0.0	0.0#
141	53.1	0.0	0.0#

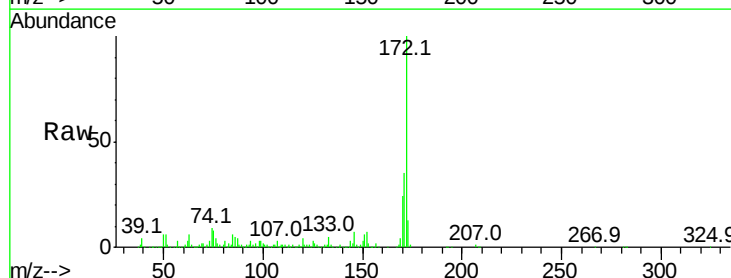


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

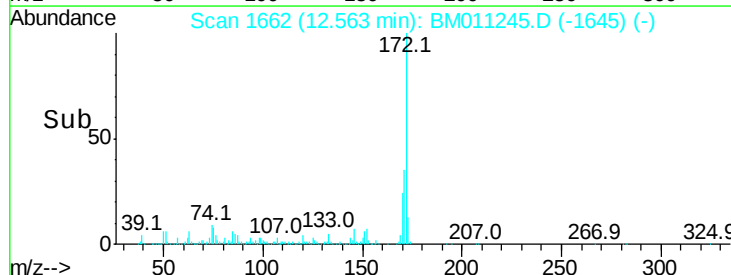
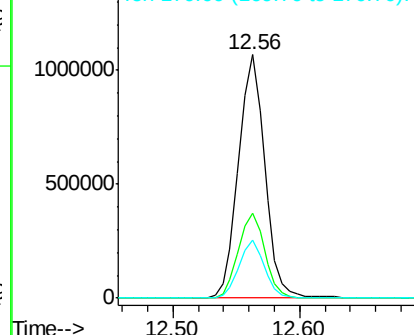


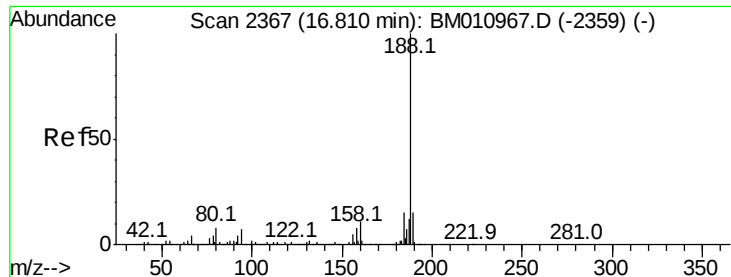
#44
 2-Fluorobiphenyl
 Concen: 142.315 ng
 RT: 12.56 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: BM011245.D
 Acq: 15 Aug 2017 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.5	42.7
170	23.8	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: 16.72 min Scan# 2368

Delta R.T. 0.00 min

Lab File: BM011245.D

Acq: 15 Aug 2017 22:27

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66

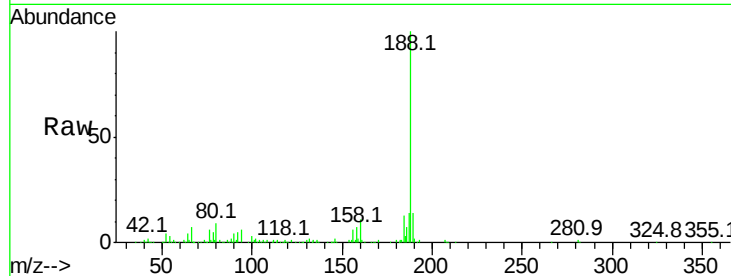
Tot Ion:188 Resp: 448418

Ion Ratio Lower Upper

188 100

94 5.8 8.7 13.1#

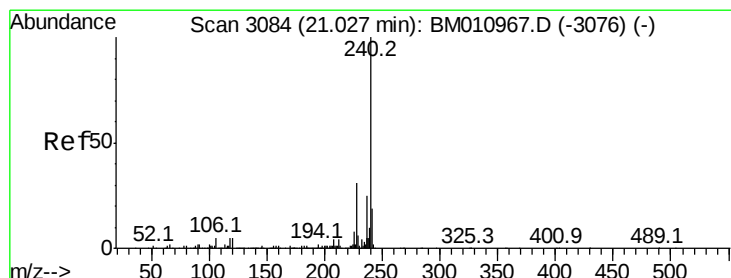
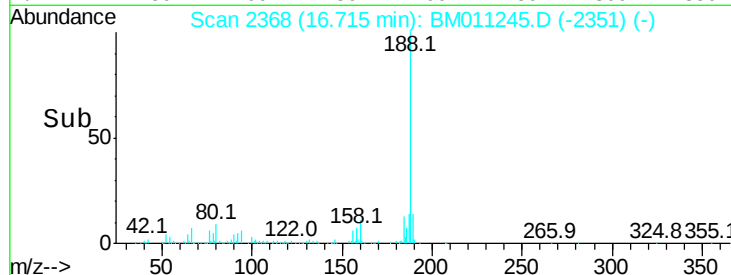
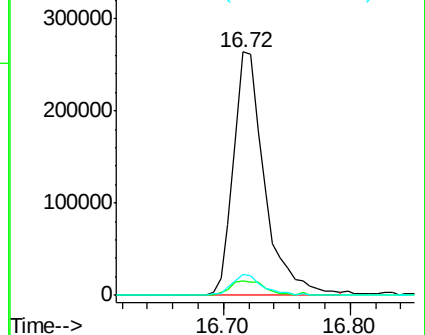
80 8.6 9.3 13.9#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 20.94 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BM011245.D

Acq: 15 Aug 2017 22:27

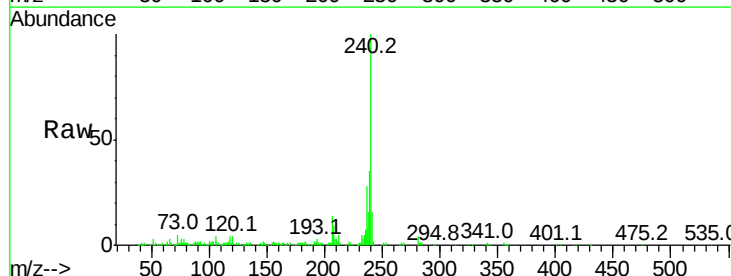
Tgt Ion:240 Resp: 341918

Ion Ratio Lower Upper

240 100

120 4.3 8.2 12.2#

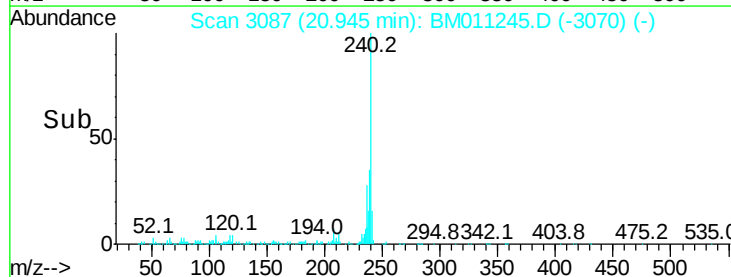
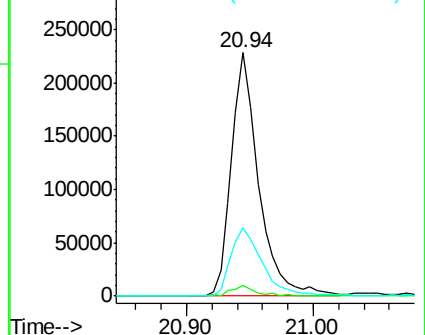
236 28.2 20.0 30.0

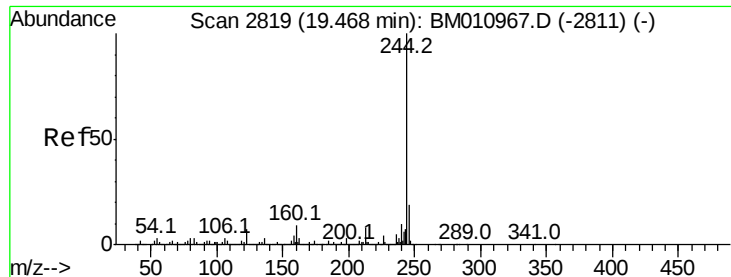


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 132.971 ng

RT: 19.39 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BM011245.D

Acq: 15 Aug 2017 22:27

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66

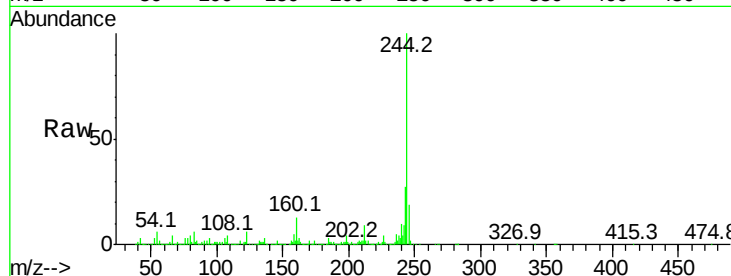
Tot Ion:244 Resp: 2295208

Ion Ratio Lower Upper

244 100

212 9.5 4.9 7.3#

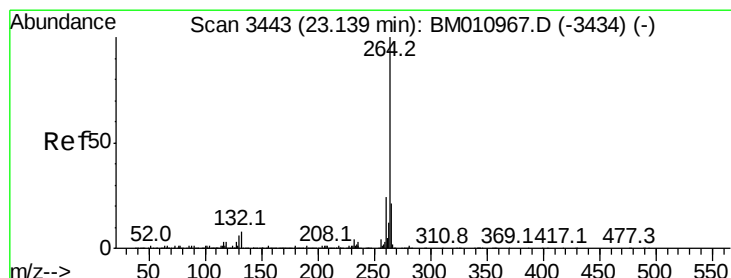
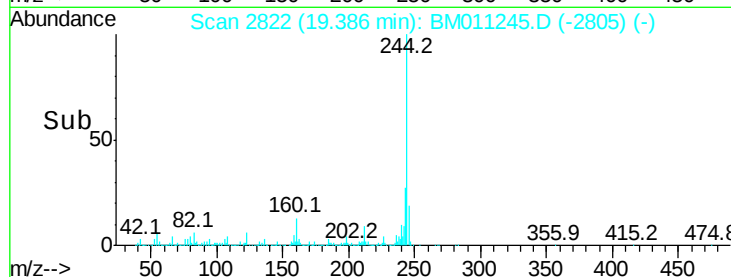
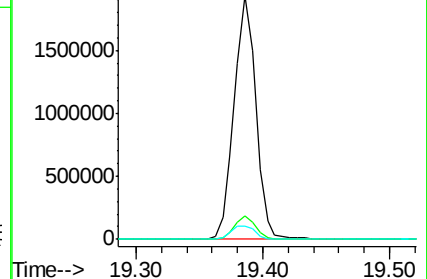
122 5.7 6.2 9.4#



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: 23.03 min Scan# 3442

Delta R.T. 0.01 min

Lab File: BM011245.D

Acq: 15 Aug 2017 22:27

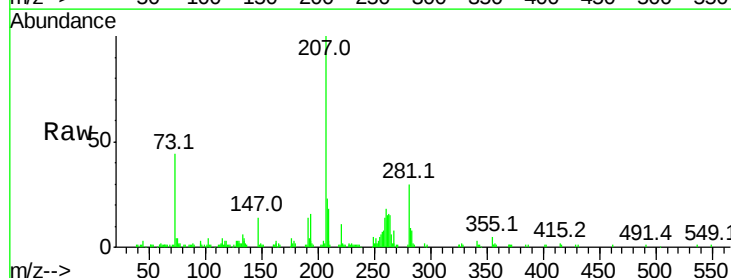
Tgt Ion:264 Resp: 23645

Ion Ratio Lower Upper

264 100

260 116.3 18.6 27.8#

265 40.3 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

