

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081617\
 Data File : BM011253.D
 Acq On : 16 Aug 2017 12:20
 Operator : SJ/JU
 Sample : I4768-05RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Aug 16 14:33:11 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 02:25:04 2017
 Response via : Initial Calibration

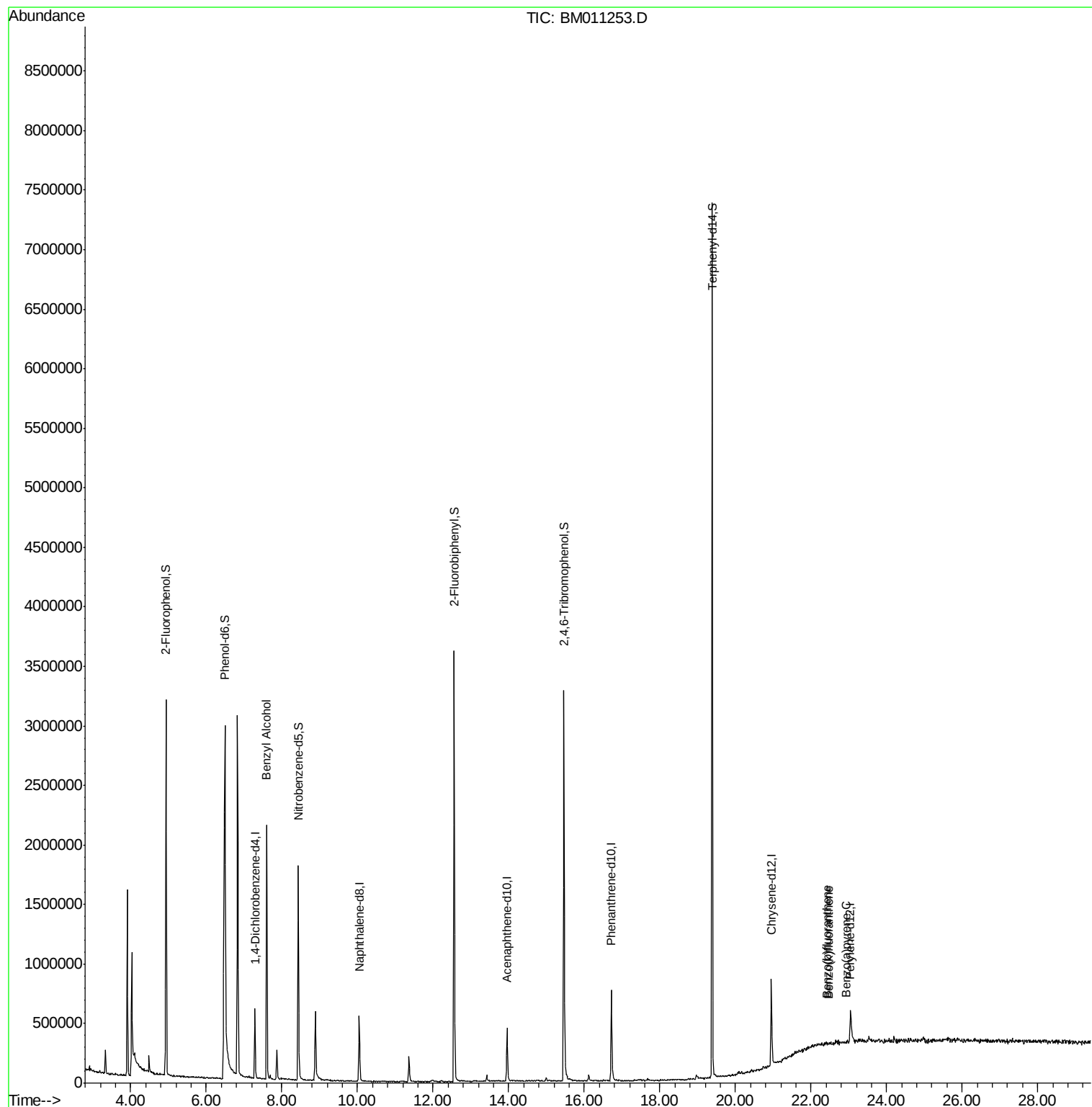
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	92466	20.00	ng	0.00
21) Naphthalene-d8	10.05	136	306605	20.00	ng	0.00
38) Acenaphthene-d10	13.96	164	112526	20.00	ng	0.00
63) Phenanthrene-d10	16.72	188	427762	20.00	ng	0.00
75) Chrysene-d12	20.94	240	231109	20.00	ng	0.00
86) Perylene-d12	23.03	264	7495	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.93	112	780380	142.67	ng	0.00
7) Phenol-d6	6.49	99	771946	99.33	ng	0.00
23) Nitrobenzene-d5	8.43	82	1014886	124.23	ng	0.00
41) 2,4,6-Tribromophenol	15.46	330	432125	239.60	ng	0.00
44) 2-Fluorobiphenyl	12.56	172	1493808	166.49	ng	0.00
78) Terphenyl-d14	19.39	244	2348862	201.32	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.60	79	22131	2.968	ng	# 36
87) Benzo(b)fluoranthene	22.42	252	1357	2.821	ng	# 32
88) Benzo(k)fluoranthene	22.46	252	1240	2.689	ng	# 13
89) Benzo(a)pyrene	22.92	252	1417	3.255	ng	# 55

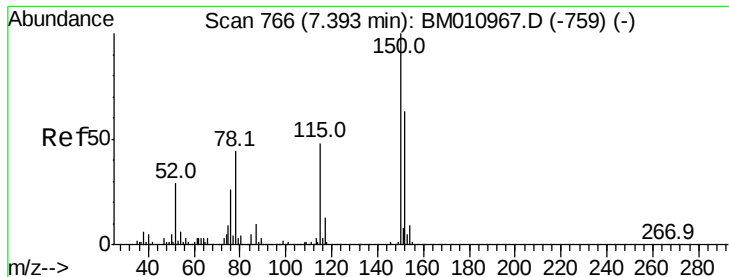
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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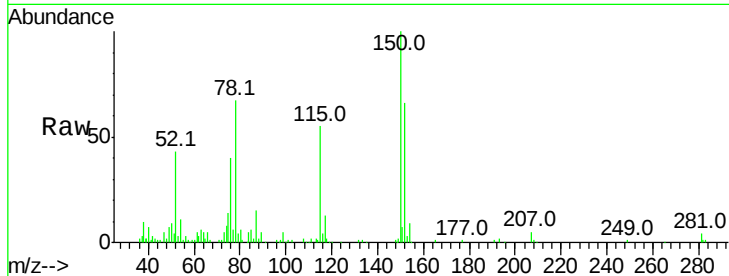


#1

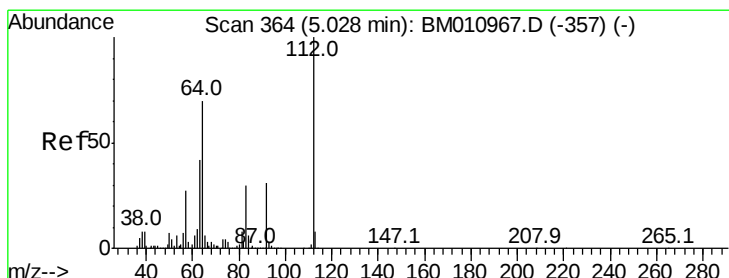
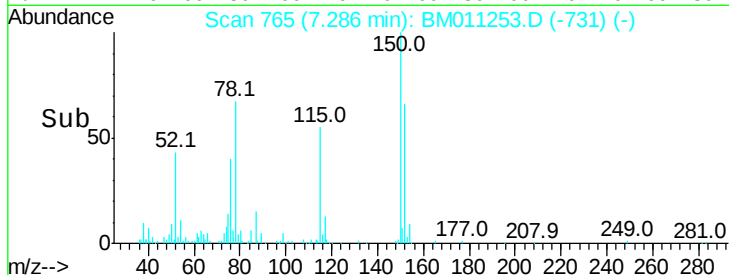
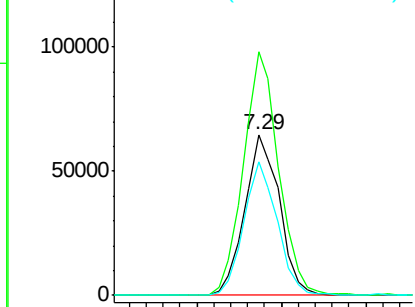
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.29 min Scan# 765
Delta R.T. -0.00 min
Lab File: BM011253.D
Acq: 16 Aug 2017 12:20

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

Tot Ion:152 Resp: 92466
Ion Ratio Lower Upper
152 100
150 151.4 119.5 179.3
115 83.2 43.0 64.4#



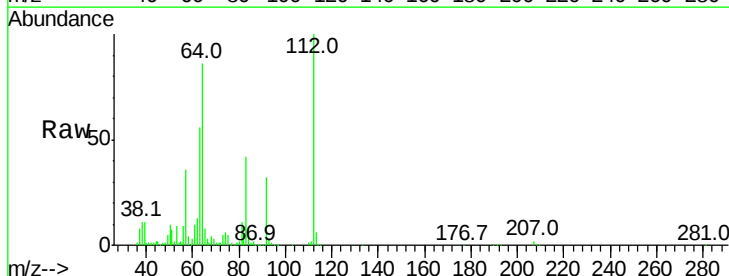
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



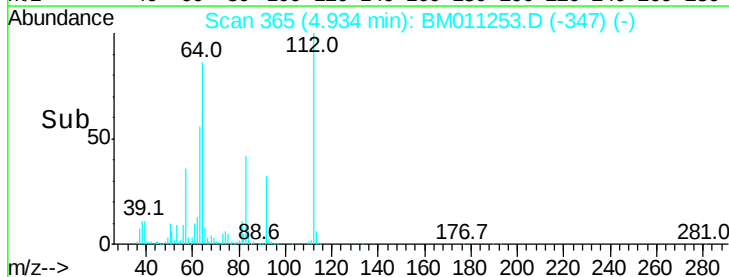
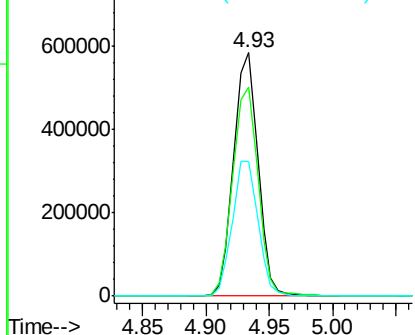
#5

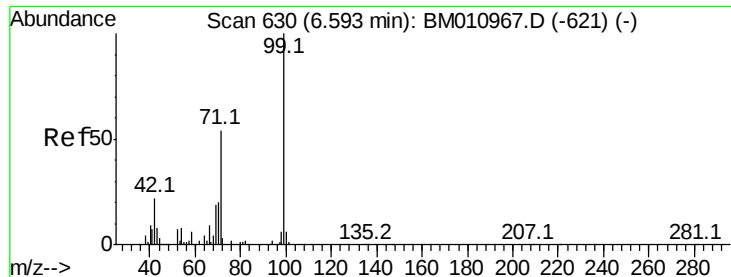
2-Fluorophenol
Concen: 142.667 ng
RT: 4.93 min Scan# 365
Delta R.T. 0.01 min
Lab File: BM011253.D
Acq: 16 Aug 2017 12:20

Tgt Ion:112 Resp: 780380
Ion Ratio Lower Upper
112 100
64 86.0 38.6 57.8#
63 55.6 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: 99.327 ng

RT: 6.49 min Scan# 630

Delta R.T. -0.00 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66RE

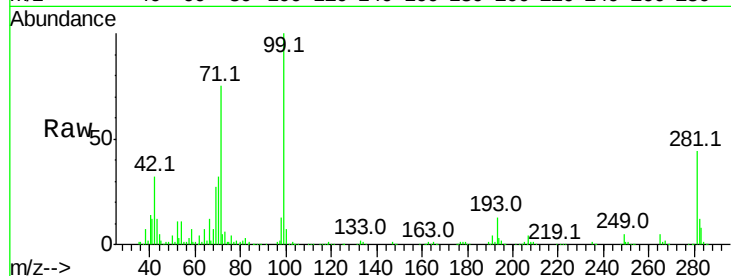
Tot Ion: 99 Resp: 771946

Ion Ratio Lower Upper

99 100

42 32.0 11.0 16.4#

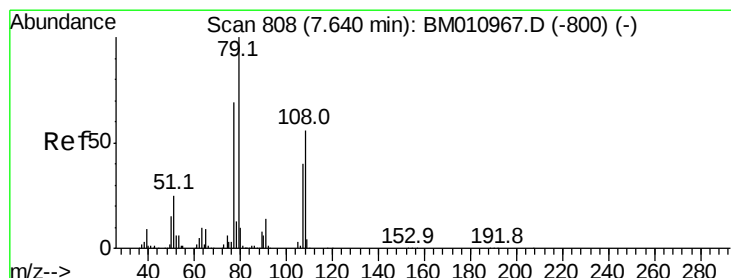
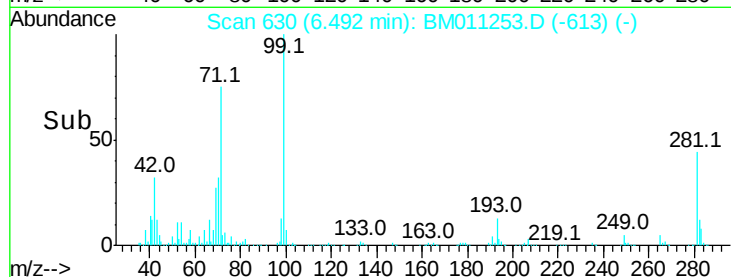
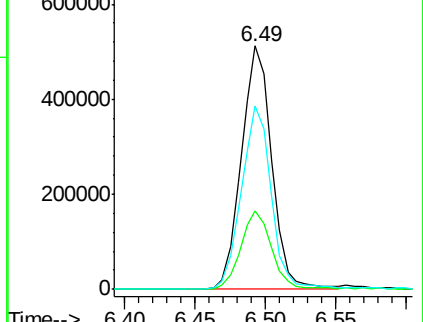
71 75.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010967.D (-621) (-)

Ion 42.00 (41.70 to 42.70): BM010967.D (-621) (-)

Ion 71.00 (70.70 to 71.70): BM010967.D (-621) (-)



#15

Benzyl Alcohol

Concen: 2.968 ng

RT: 7.60 min Scan# 818

Delta R.T. 0.06 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

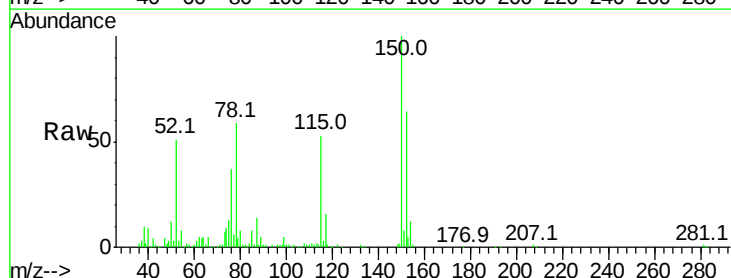
Tgt Ion: 79 Resp: 22131

Ion Ratio Lower Upper

79 100

108 42.1 65.0 97.4#

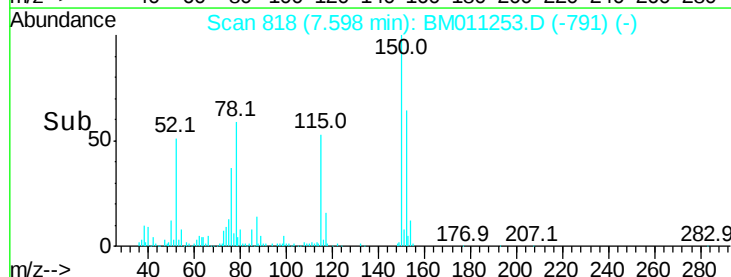
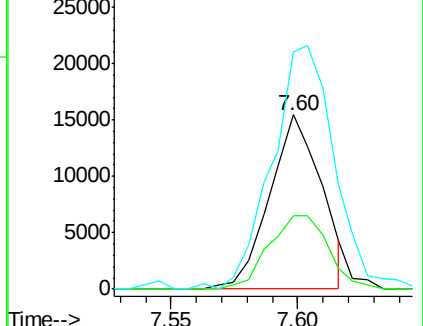
77 136.7 53.0 79.6#

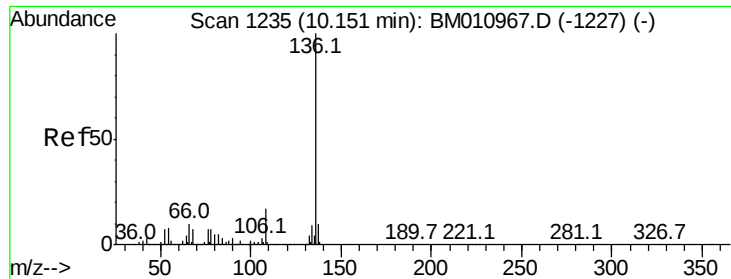


Abundance Ion 79.00 (78.70 to 79.70): BM010967.D (-800) (-)

Ion 108.00 (107.70 to 108.70): BM010967.D (-800) (-)

Ion 77.00 (76.70 to 77.70): BM010967.D (-800) (-)

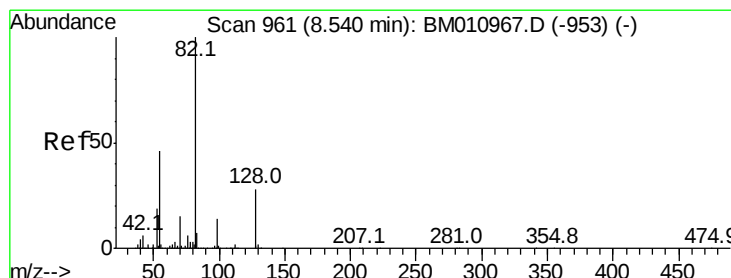
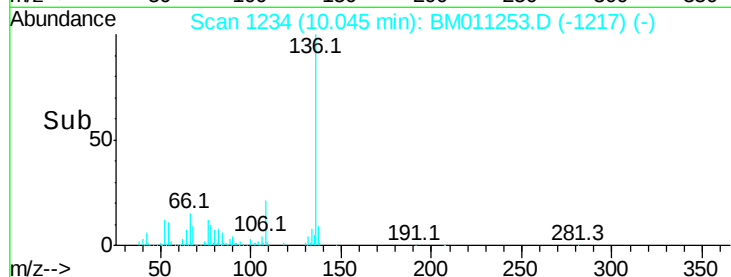
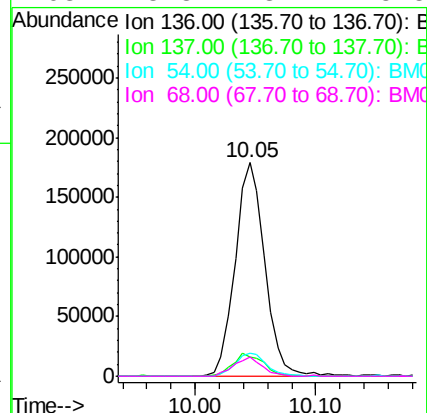
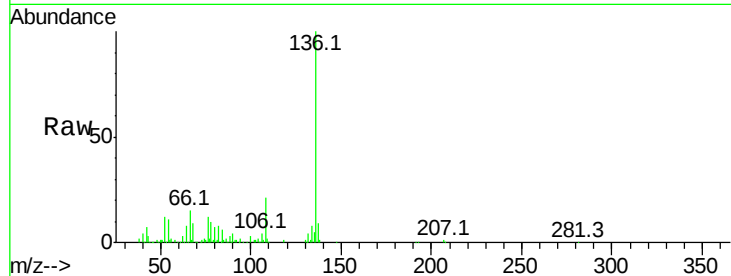




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.05 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BM011253.D
Acq: 16 Aug 2017 12:20

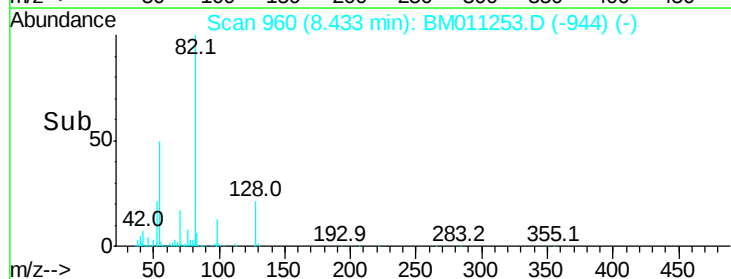
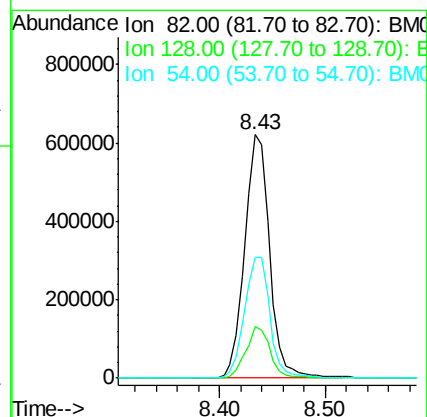
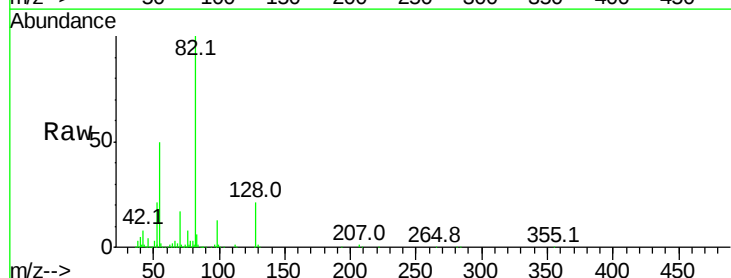
Instrument :
BNA_M
ClientSampleId :
HAMILTON-PL-SOIL-66RE

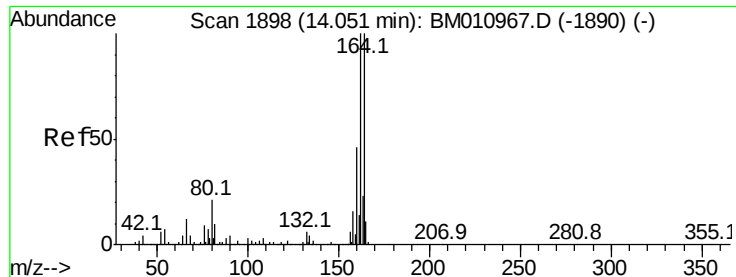
Tot Ion:136	Resp:	306605
Ion	Ratio	Lower Upper
136	100	
137	9.3	8.7 13.1
54	10.8	4.6 6.8#
68	8.8	3.7 5.5#



#23
Nitrobenzene-d5
Concen: 124.233 ng
RT: 8.43 min Scan# 960
Delta R.T. -0.01 min
Lab File: BM011253.D
Acq: 16 Aug 2017 12:20

Tgt Ion: 82	Resp:	1014886
Ion	Ratio	Lower Upper
82	100	
128	21.1	32.8 49.2#
54	49.8	40.6 60.8





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.96 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66RE

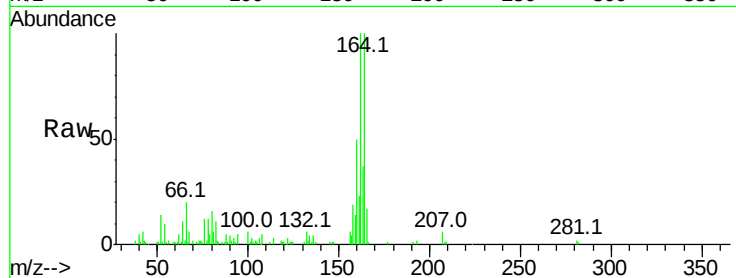
Tot Ion:164 Resp: 112526

Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.4	123.6
160	50.5	35.8	53.6

164 100

162 99.9 82.4 123.6

160 50.5 35.8 53.6

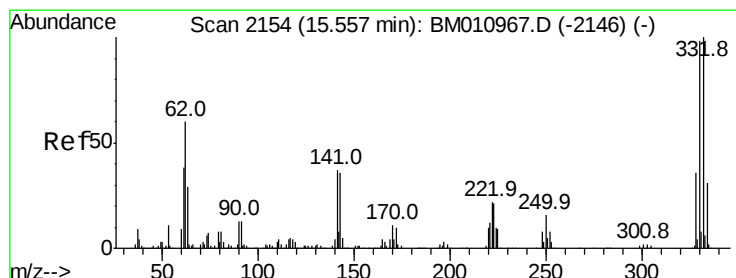
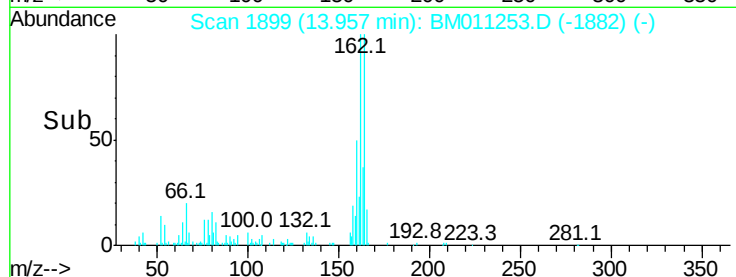
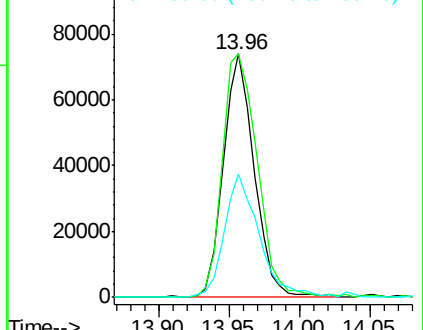


Abundance

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: 239.596 ng

RT: 15.46 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

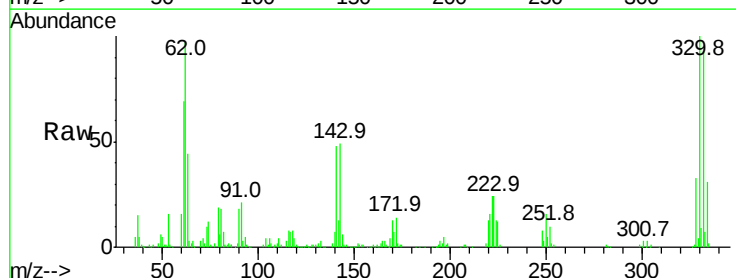
Tgt Ion:330 Resp: 432125

Ion	Ratio	Lower	Upper
330	100		
332	94.5	0.0	0.0#
141	49.3	0.0	0.0#

330 100

332 94.5 0.0 0.0#

141 49.3 0.0 0.0#

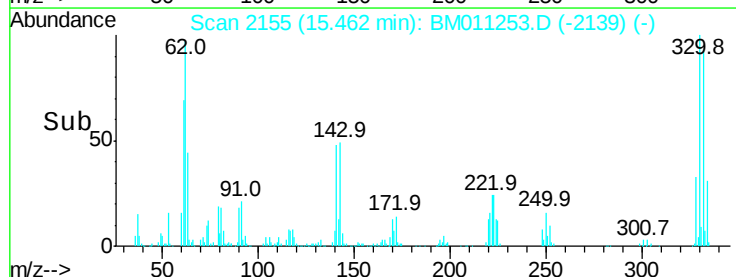
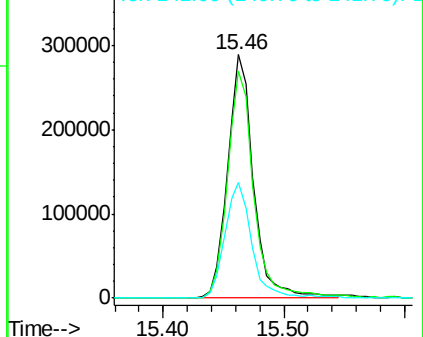


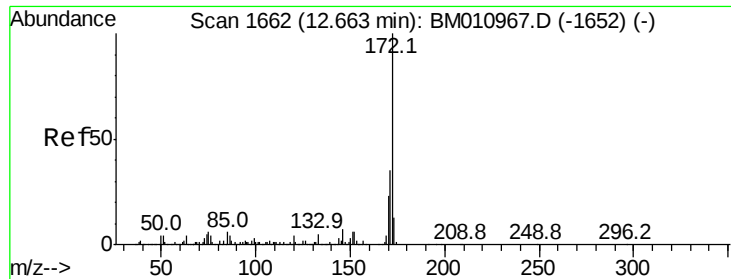
Abundance

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



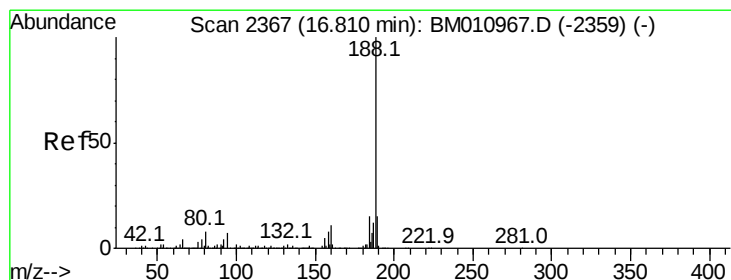
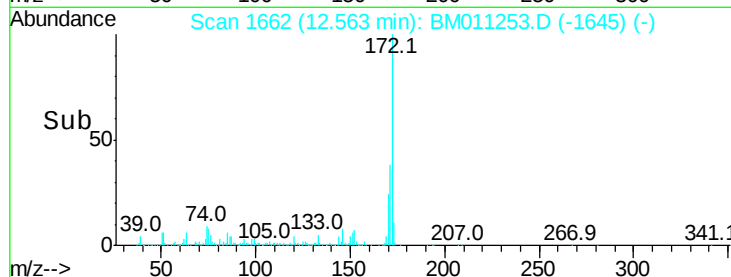
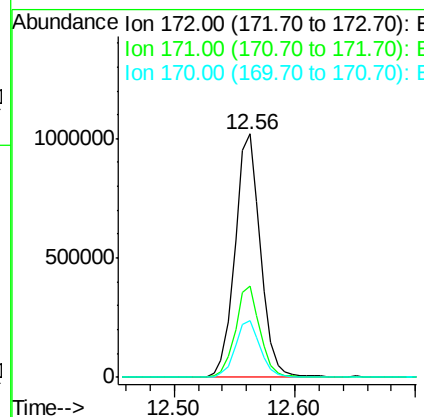
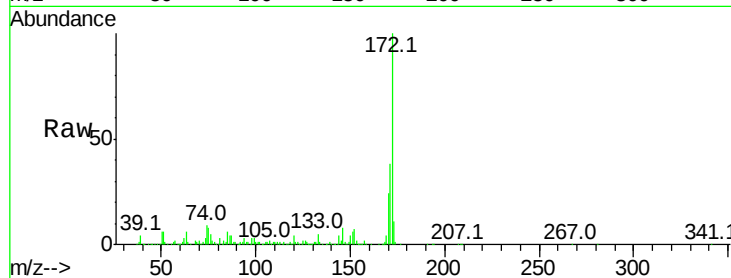


#44
 2-Fluorobiphenyl
 Concen: 166.489 ng
 RT: 12.56 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BM011253.D
 Acq: 16 Aug 2017 12:20

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

Tot Ion:172 Resp: 1493808

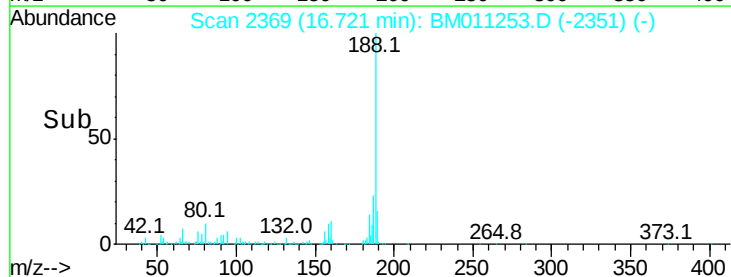
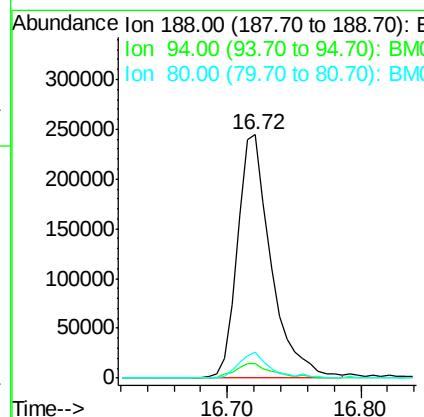
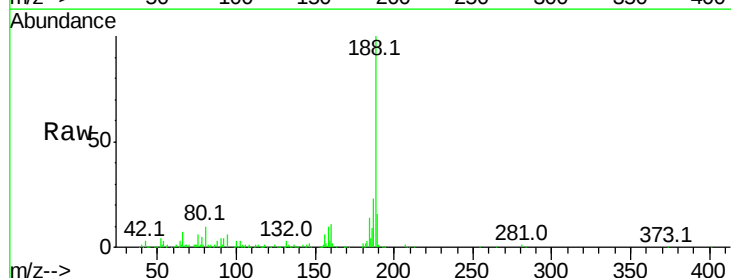
Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.5	42.7
170	23.6	18.8	28.2

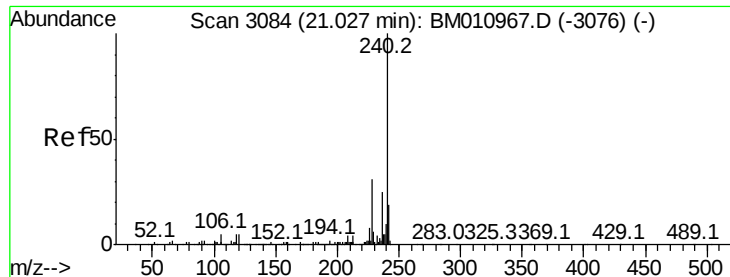


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.72 min Scan# 2369
 Delta R.T. 0.01 min
 Lab File: BM011253.D
 Acq: 16 Aug 2017 12:20

Tgt Ion:188 Resp: 427762

Ion	Ratio	Lower	Upper
188	100		
94	6.1	8.7	13.1#
80	10.5	9.3	13.9





#75

Chrysene-d12

Concen: 20.000 ng

RT: 20.94 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66RE

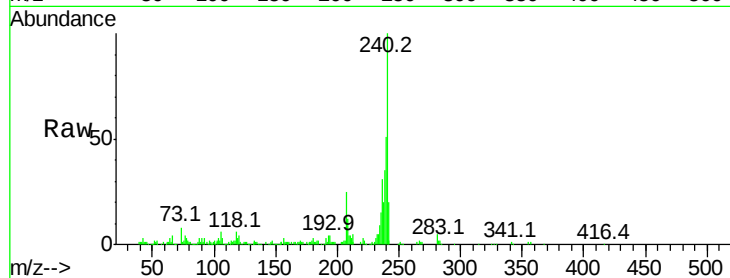
Tot Ion:240 Resp: 231109

Ion Ratio Lower Upper

240 100

120 4.4 8.2 12.2#

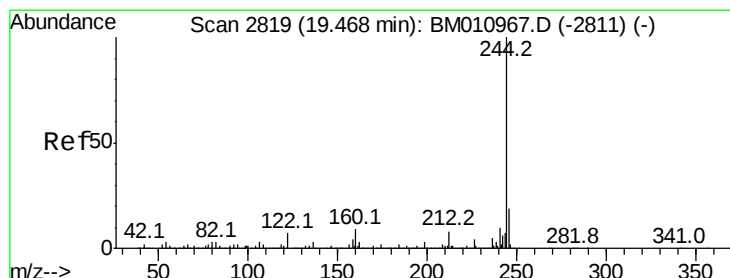
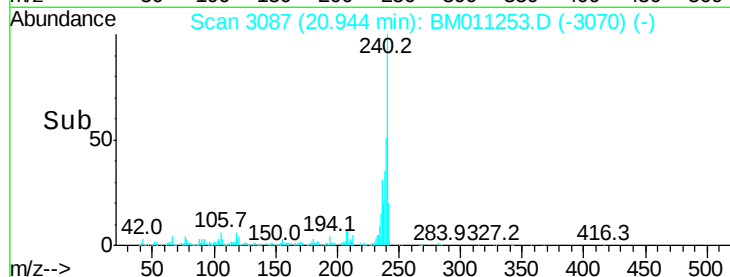
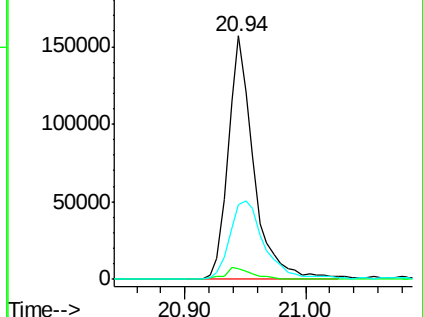
236 30.7 20.0 30.0#



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: 201.325 ng

RT: 19.39 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

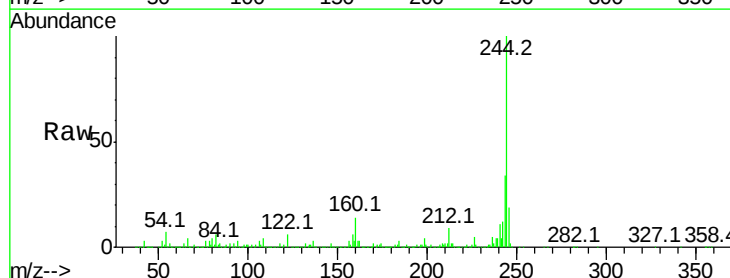
Tgt Ion:244 Resp: 2348862

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

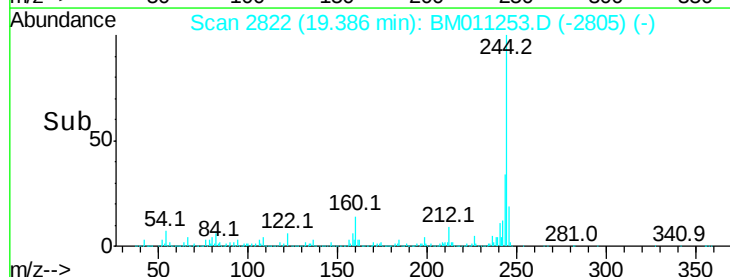
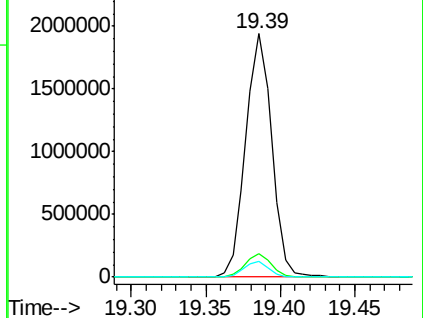
122 6.5 6.2 9.4

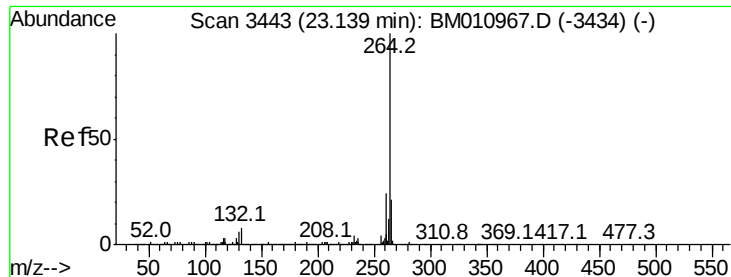


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.03 min Scan# 3441

Delta R.T. 0.01 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66RE

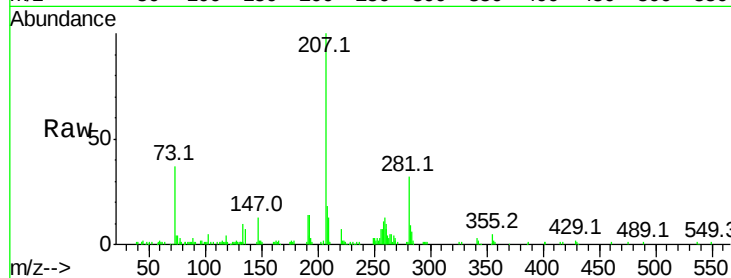
Tot Ion:264 Resp: 7495

Ion Ratio Lower Upper

264 100

260 191.8 18.6 27.8#

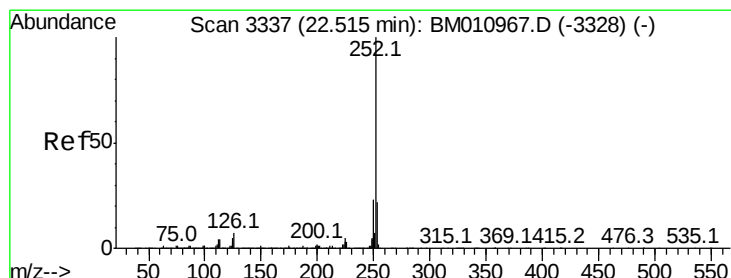
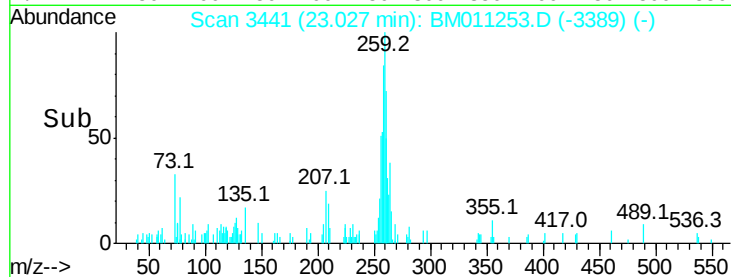
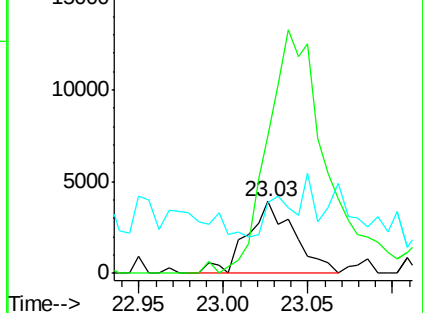
265 98.8 17.3 25.9#



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



#87

Benzo(b)fluoranthene

Concen: 2.821 ng

RT: 22.42 min Scan# 3338

Delta R.T. 0.01 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

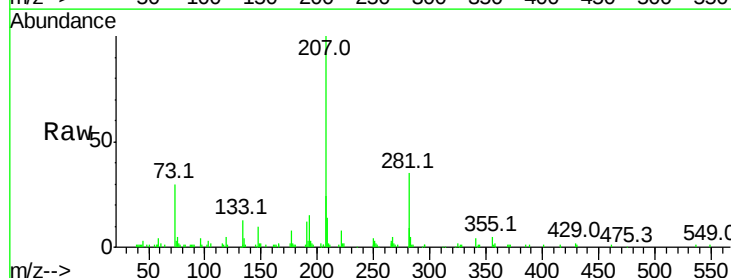
Tgt Ion:252 Resp: 1357

Ion Ratio Lower Upper

252 100

253 65.0 18.0 27.0#

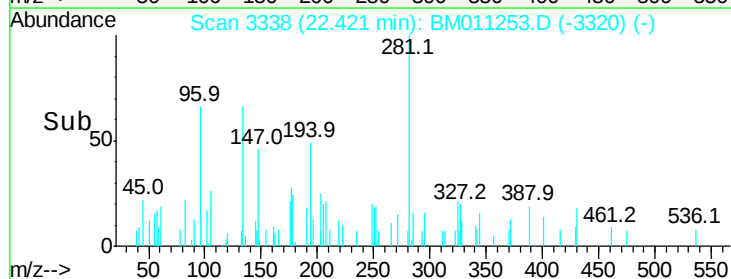
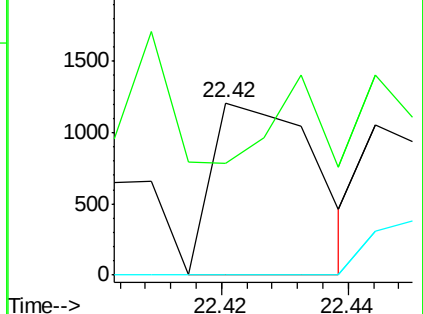
125 0.0 9.9 14.9#

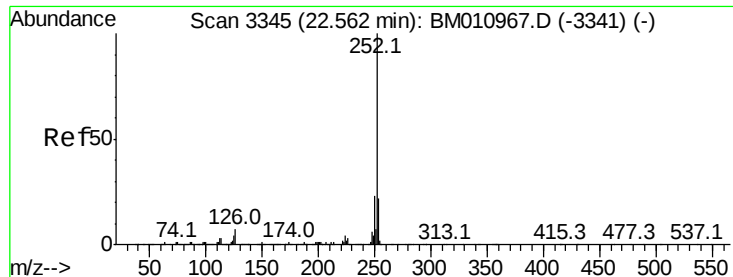


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.689 ng

RT: 22.46 min Scan# 3344

Delta R.T. -0.00 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

Instrument :

BNA_M

ClientSampleId :

HAMILTON-PL-SOIL-66RE

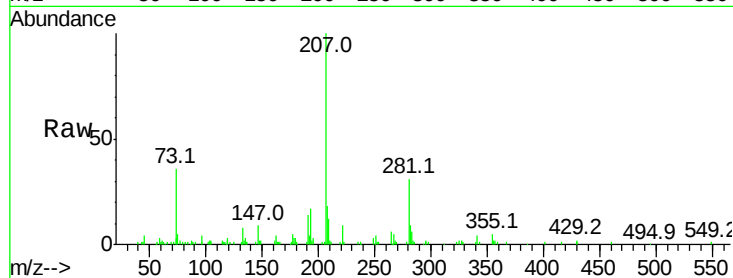
Tot Ion:252 Resp: 1240

Ion Ratio Lower Upper

252 100

253 59.5 17.2 25.8#

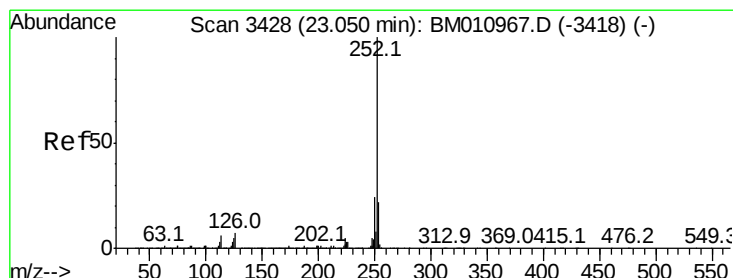
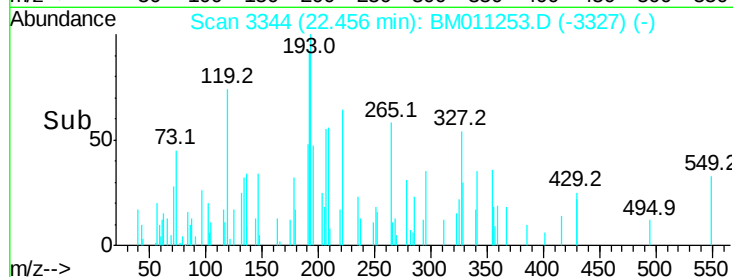
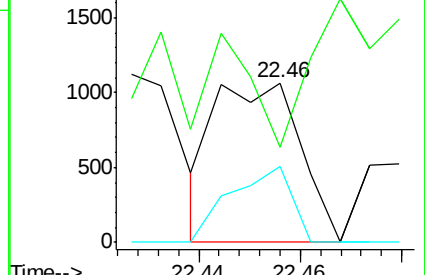
125 47.3 8.1 12.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3.255 ng

RT: 22.92 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BM011253.D

Acq: 16 Aug 2017 12:20

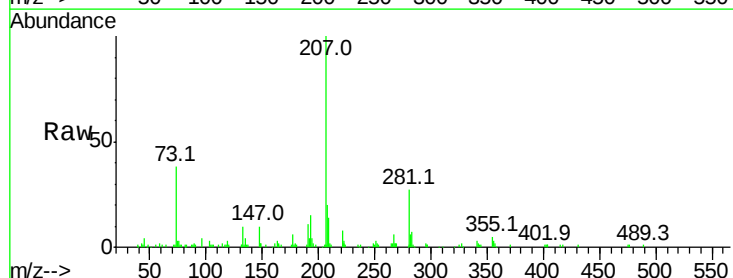
Tgt Ion:252 Resp: 1417

Ion Ratio Lower Upper

252 100

253 47.0 17.6 26.4#

125 0.0 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

