

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006107.D
 Acq On : 28 Jun 2016 22:02
 Operator : UM/SJ
 Sample : H3780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 00:59:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	208499	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1005571	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	618541	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1425333	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1512196	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1221077	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	8140	1.81	ng/uL	0.00
3) Phenol-d5	6.82	99	406317	23.85	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	257474	25.64	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	305900	23.40	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	356260	25.99	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	169245	24.99	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	190365	24.56	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	335417	23.71	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	438389	39.21	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1209935	27.29	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1435908	26.69	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	205096	24.38	ng/ul	0.00
21) Fluorene-d10	15.30	176	998795	26.40	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	154456	30.60	ng/ul	0.00
26) Anthracene-d10	17.15	188	1539583	26.93	ng/ul	0.00
30) Pyrene-d10	19.45	212	1726813	28.36	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1326096	27.29	ng/ul	0.00

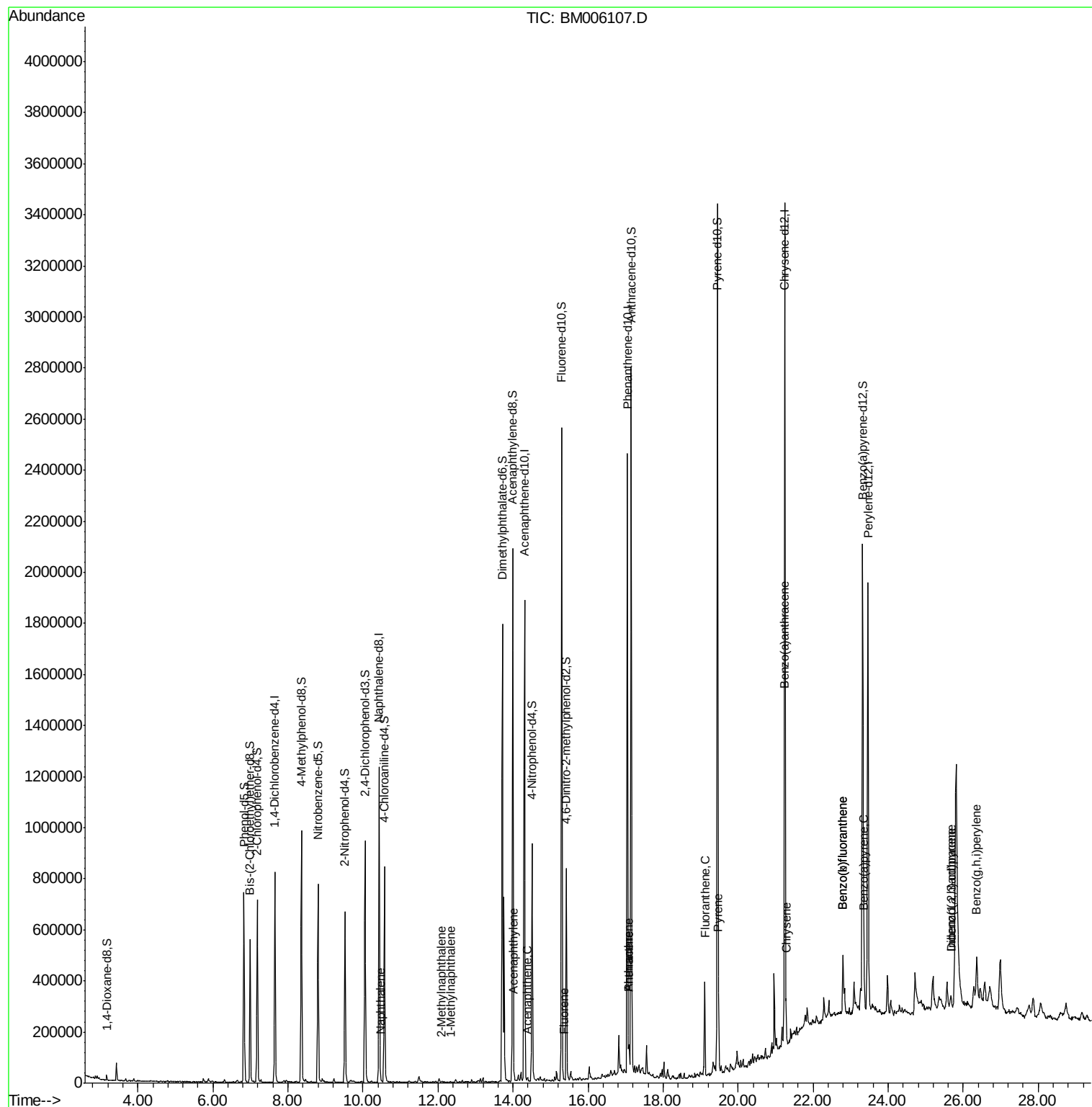
Target Compounds

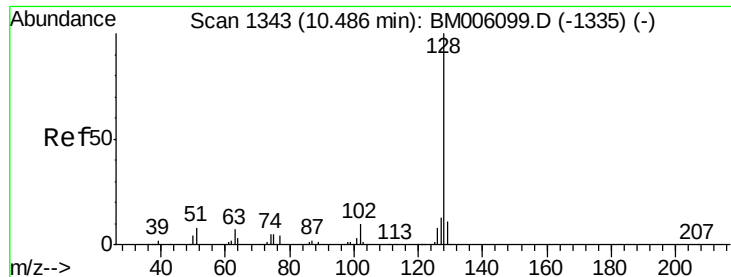
						Qvalue
11) Naphthalene	10.48	128	1797	0.04	ng/ul#	69
13) 2-Methylnaphthalene	12.09	142	311	0.01	ng/ul	84
14) 1-Methylnaphthalene	12.33	142	714	0.02	ng/ul#	98
18) Acenaphthylene	14.02	152	6379	0.11	ng/ul#	87
19) Acenaphthene	14.36	153	1815	0.05	ng/ul	89
22) Fluorene	15.36	166	3054	0.07	ng/ul#	83
25) Phenanthrene	17.09	178	78718	1.17	ng/ul	99
27) Anthracene	17.09	178	78718	1.14	ng/ul	99
28) Fluoranthene	19.12	202	224761	2.72	ng/ul	98
31) Pyrene	19.48	202	171359	2.15	ng/ul	97
32) Benzo(a)anthracene	21.23	228	104809	1.33	ng/ul	99
33) Chrysene	21.28	228	103627	1.43	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	115967	1.83	ng/ul#	95
36) Benzo(k)fluoranthene	22.80	252	115967	1.95	ng/ul#	96
38) Benzo(a)pyrene	23.36	252	71881	1.20	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.67	276	47279	0.76	ng/ul	94
40) Dibenzo(a,h)anthracene	25.67	278	14852	0.29	ng/ul#	77
41) Benzo(g,h,i)perylene	26.35	276	42927	0.82	ng/ul	97

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

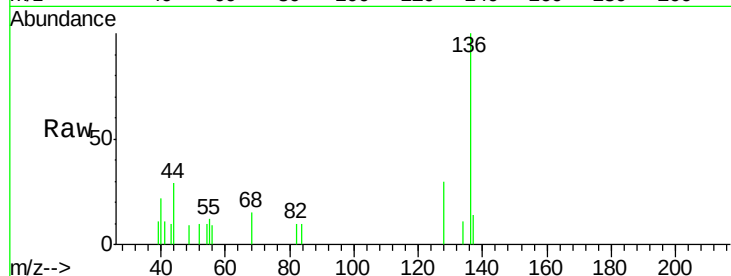
Quant Time: Jun 29 00:59:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration



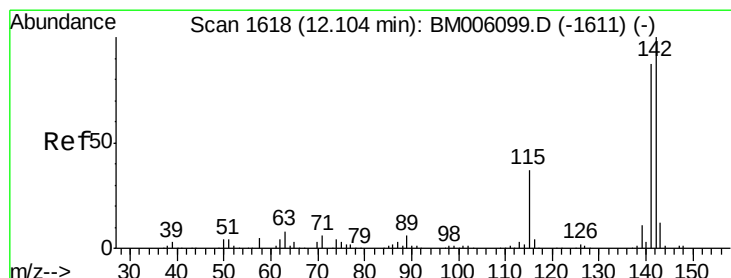
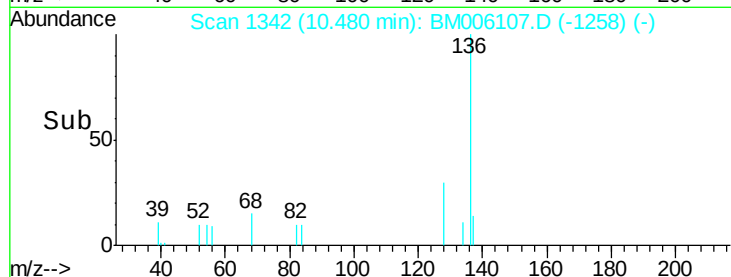
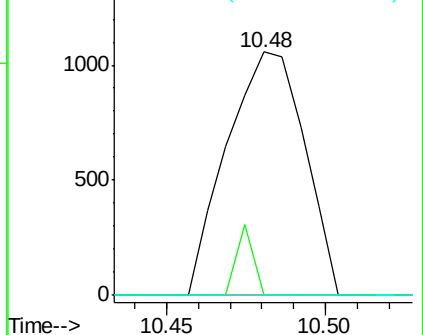


#11
Naphthalene
Concen: 0.04 ng/ul
RT: 10.48 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BM006107.D
Acq: 28 Jun 2016 22:02

Tgt Ion:128 Resp: 1797
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.5 15.7#

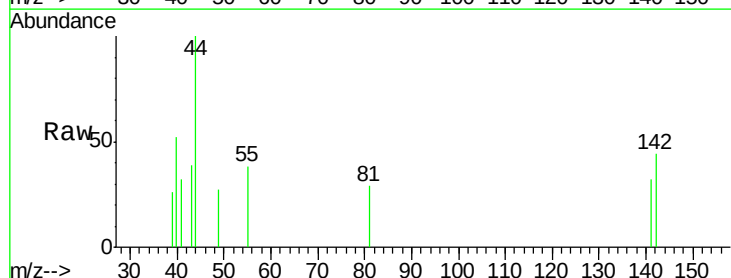


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

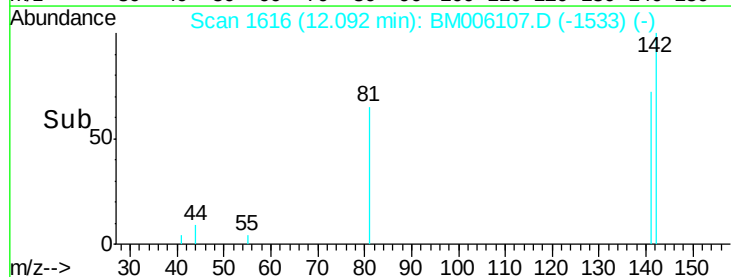
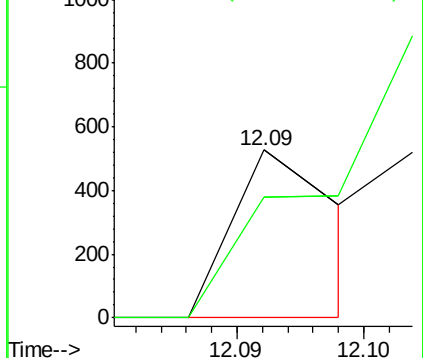


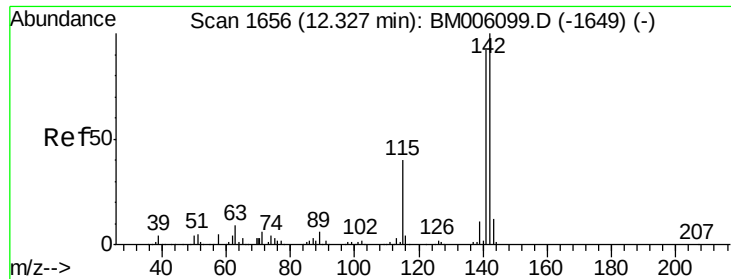
#13
2-Methylnaphthalene
Concen: 0.01 ng/ul
RT: 12.09 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BM006107.D
Acq: 28 Jun 2016 22:02

Tgt Ion:142 Resp: 311
Ion Ratio Lower Upper
142 100
141 71.9 69.0 103.6



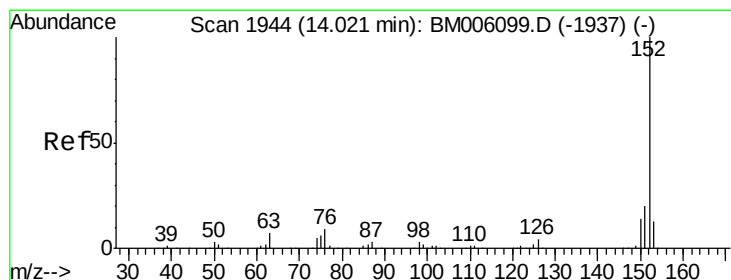
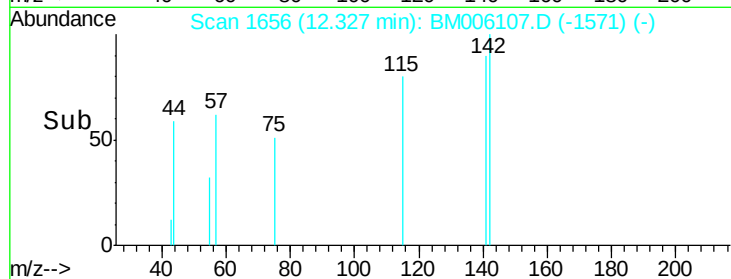
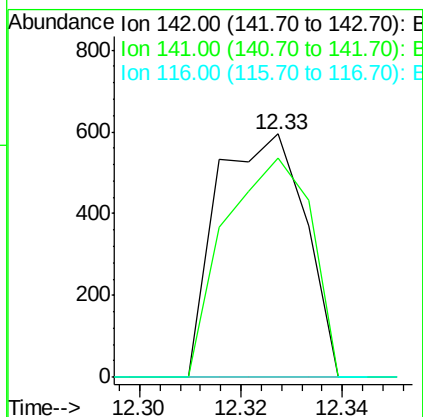
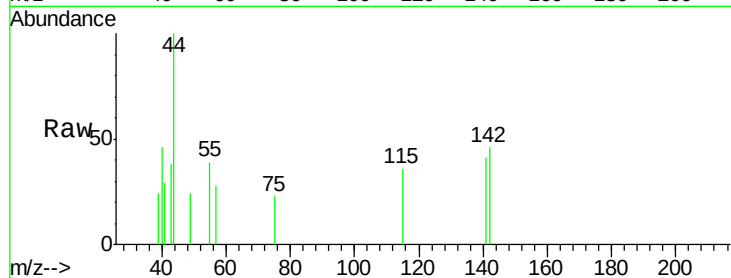
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





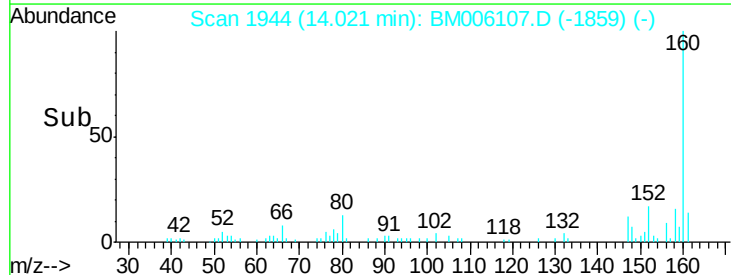
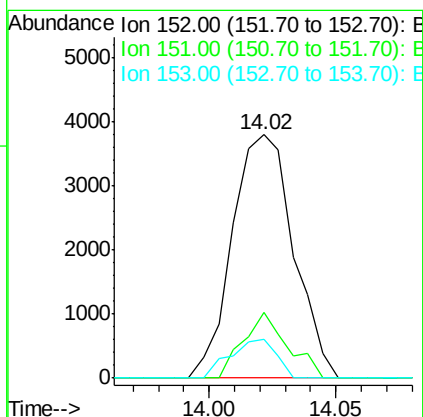
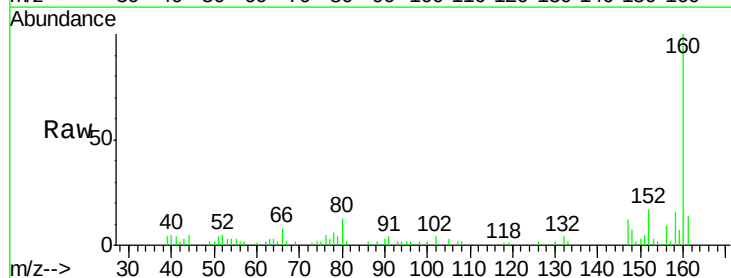
#14
1-Methylnaphthalene
Concen: 0.02 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006107.D
Acq: 28 Jun 2016 22:02

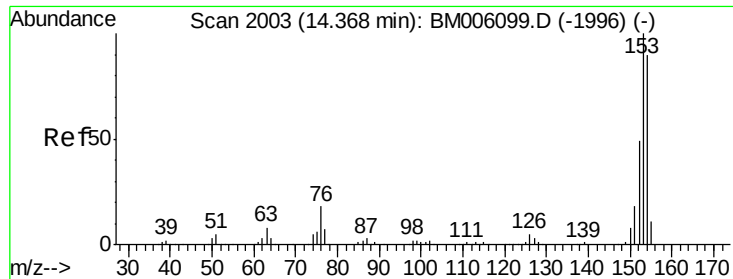
Tgt Ion:142 Resp: 714
Ion Ratio Lower Upper
142 100
141 90.1 73.0 109.4
116 0.0 3.0 4.6#



#18
Acenaphthylene
Concen: 0.11 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM006107.D
Acq: 28 Jun 2016 22:02

Tgt Ion:152 Resp: 6379
Ion Ratio Lower Upper
152 100
151 27.0 15.8 23.6#
153 16.0 10.3 15.5#





#19

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.36 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

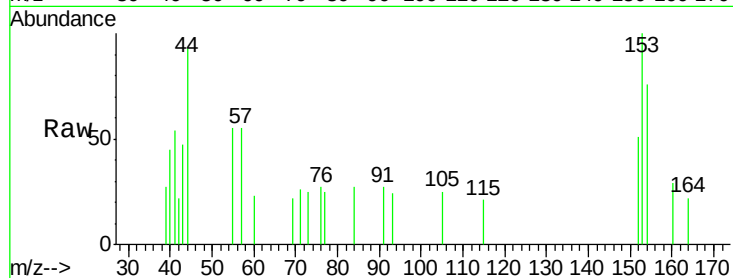
Tgt Ion:153 Resp: 1815

Ion Ratio Lower Upper

153 100

152 50.8 38.1 57.1

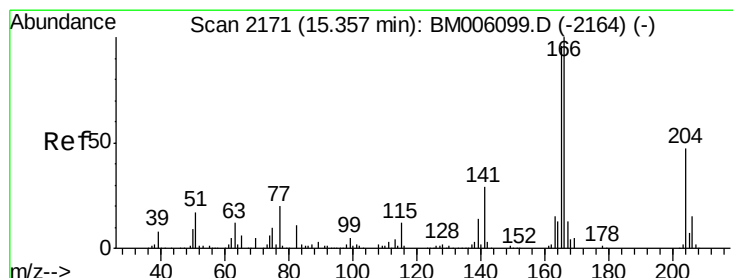
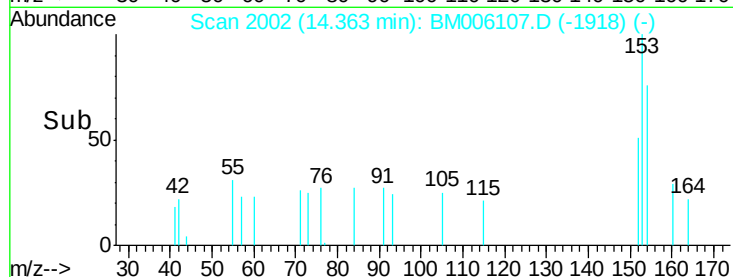
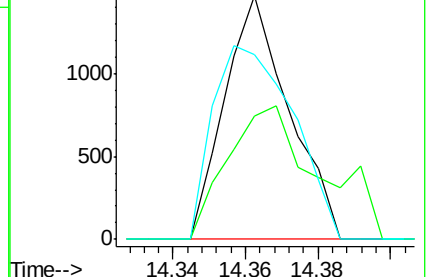
154 76.1 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#22

Fluorene

Concen: 0.07 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

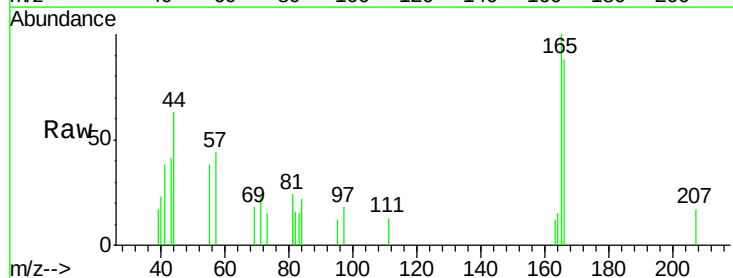
Tgt Ion:166 Resp: 3054

Ion Ratio Lower Upper

166 100

165 113.1 78.4 117.6

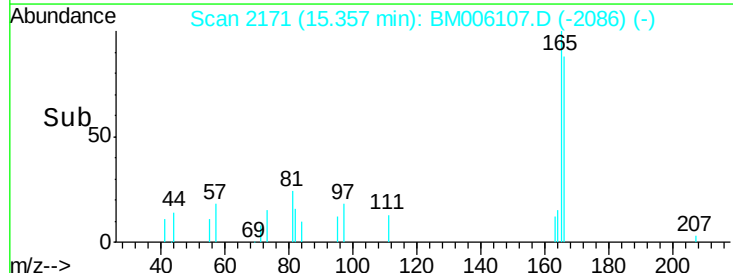
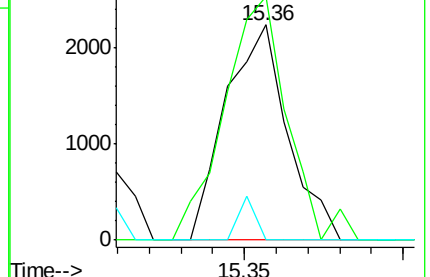
167 0.0 10.6 16.0#

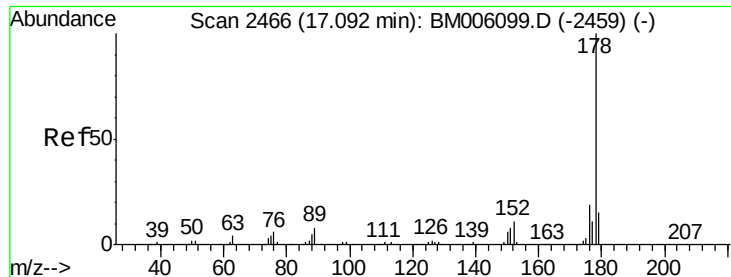


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 1.17 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

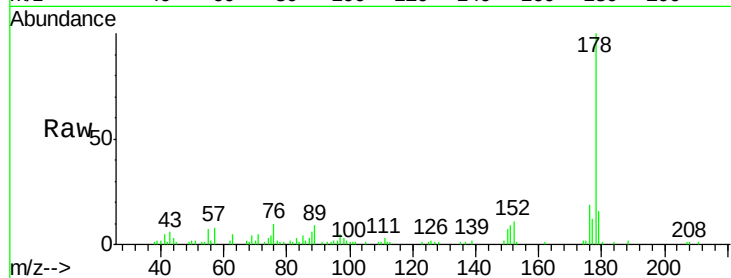
Tgt Ion:178 Resp: 78718

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.2

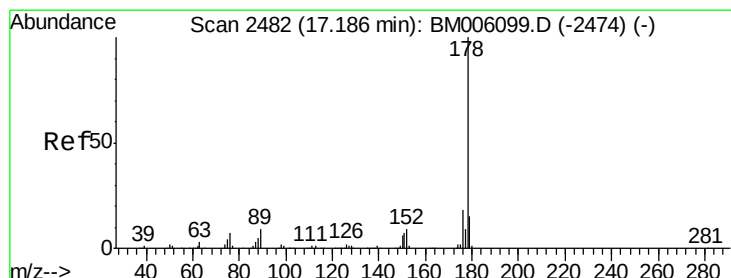
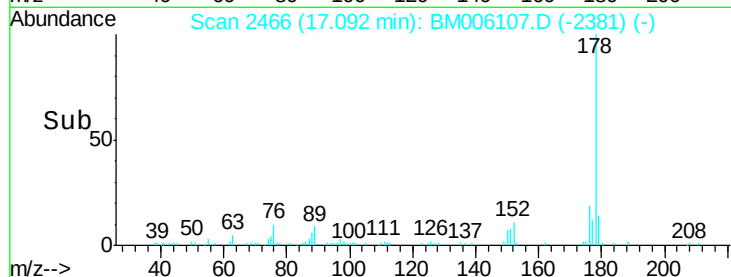
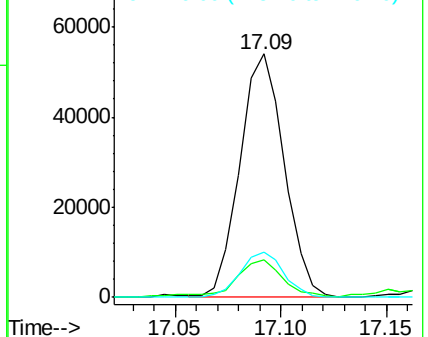
176 18.8 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#27

Anthracene

Concen: 1.14 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.09 min

Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

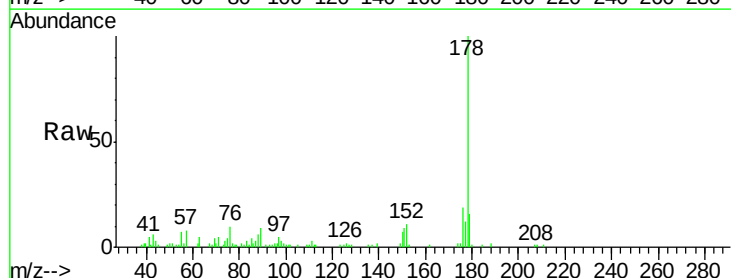
Tgt Ion:178 Resp: 78718

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

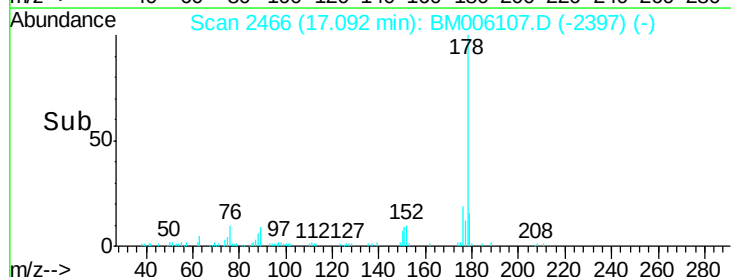
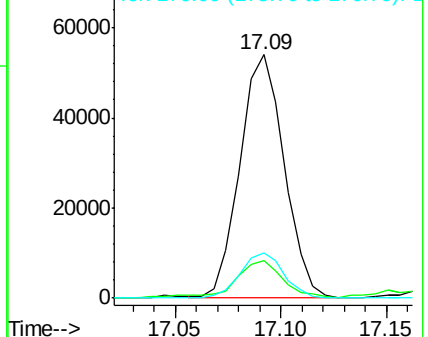
176 18.8 14.6 22.0

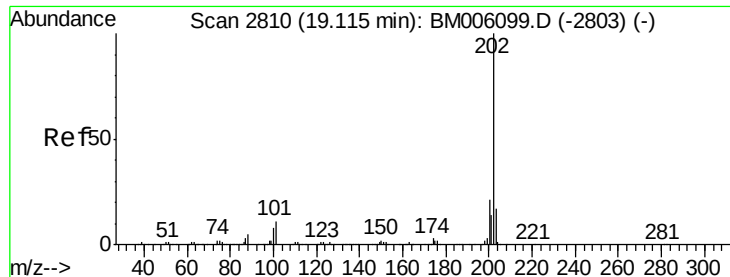


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

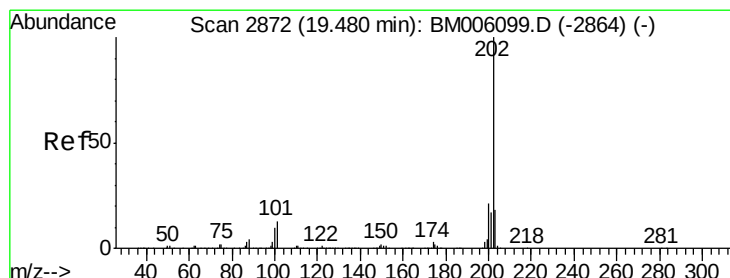
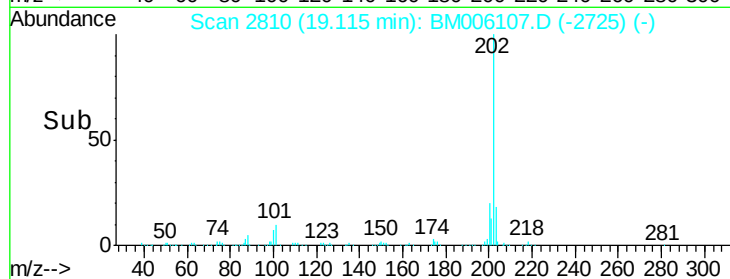
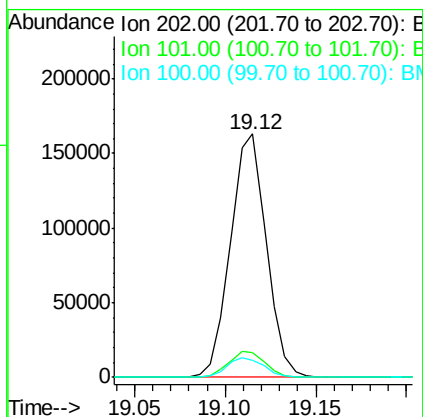
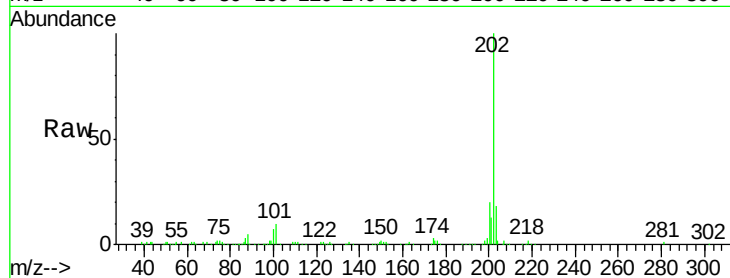
Ion 176.00 (175.70 to 176.70): E





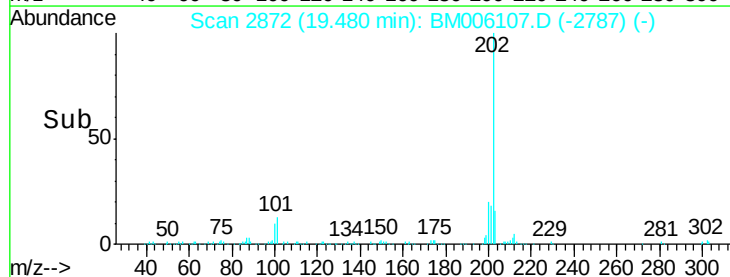
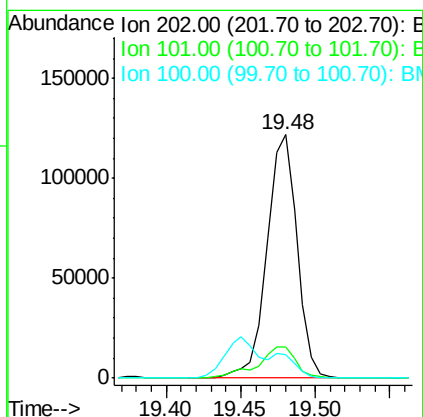
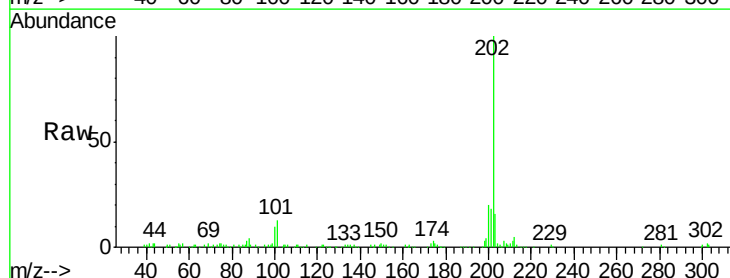
#28
Fluoranthene
Concen: 2.72 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BM006107.D
Acq: 28 Jun 2016 22:02

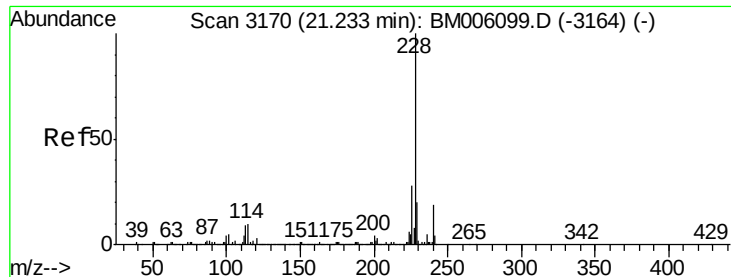
Tgt Ion:	202	Resp:	224761
Ion Ratio	Lower	Upper	
202	100		
101	10.2	8.5	12.7
100	7.1	6.5	9.7



#31
Pyrene
Concen: 2.15 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BM006107.D
Acq: 28 Jun 2016 22:02

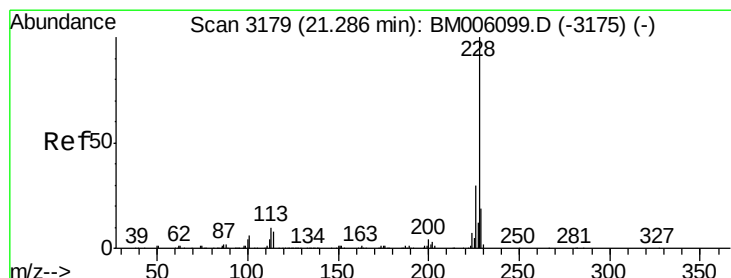
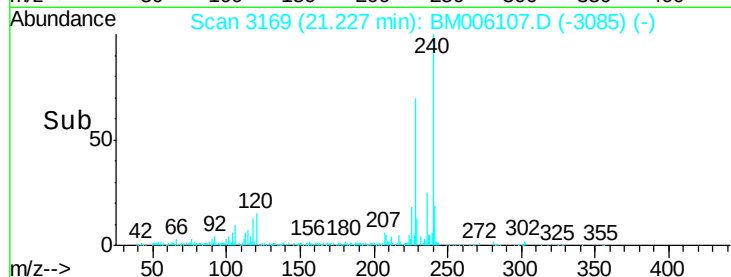
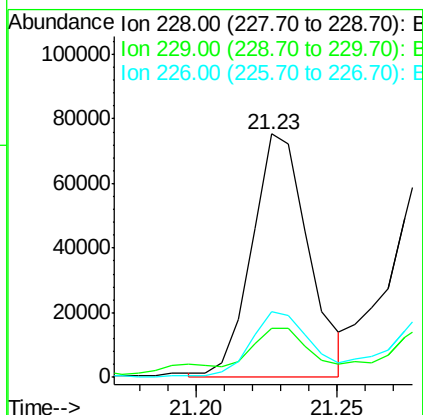
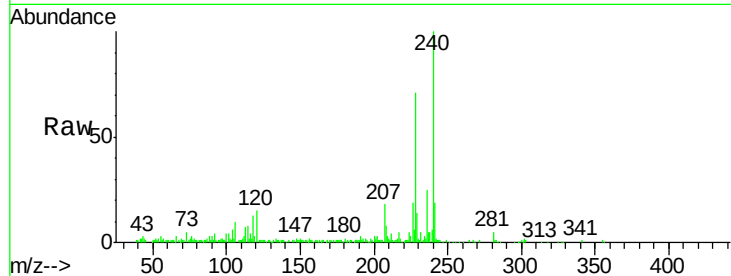
Tgt Ion:	202	Resp:	171359
Ion Ratio	Lower	Upper	
202	100		
101	12.8	11.0	16.4
100	9.9	8.9	13.3





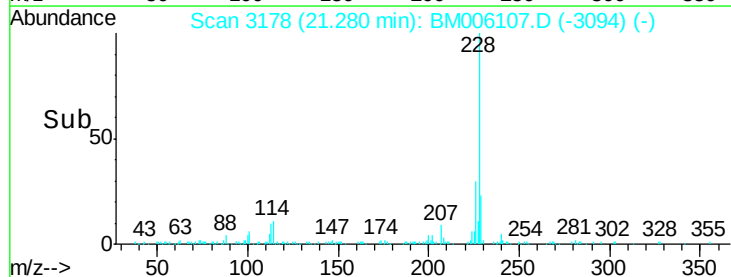
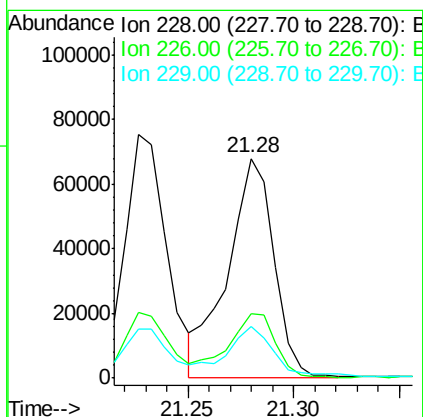
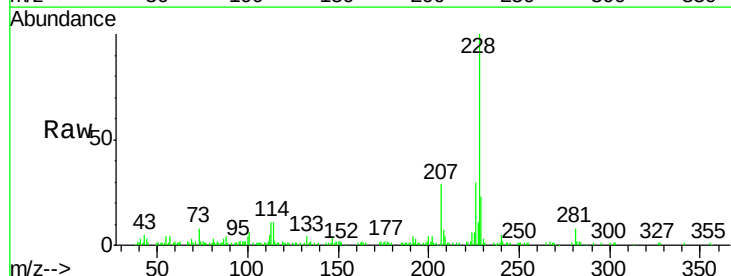
#32
Benzo(a)anthracene
Concen: 1.33 ng/ul
RT: 21.23 min Scan# 3169
Delta R.T. -0.01 min
Lab File: BM006107.D
Acq: 28 Jun 2016 22:02

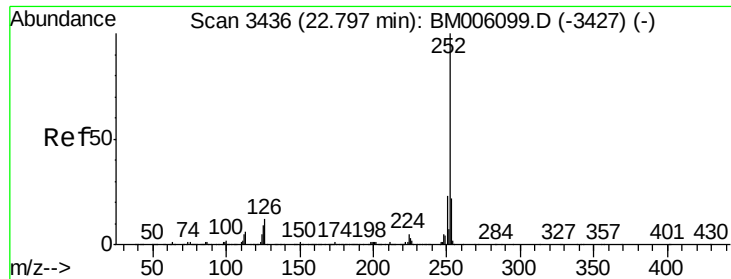
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.6	23.4
226	26.8	21.6	32.4



#33
Chrysene
Concen: 1.43 ng/ul
RT: 21.28 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BM006107.D
Acq: 28 Jun 2016 22:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	23.3	15.8	23.6





#35

Benzo(b)fluoranthene

Concen: 1.83 ng/ul

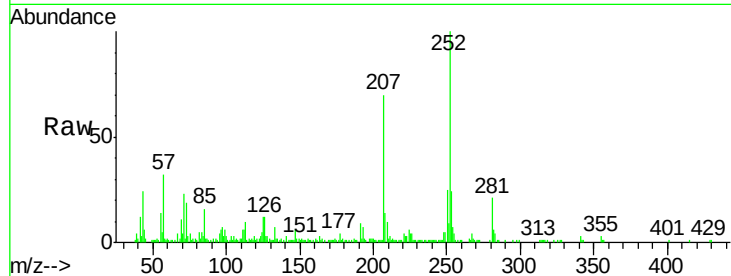
RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

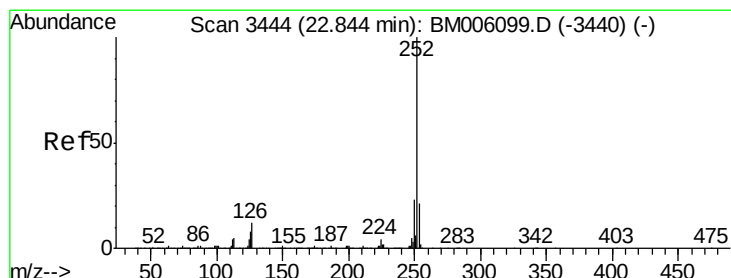
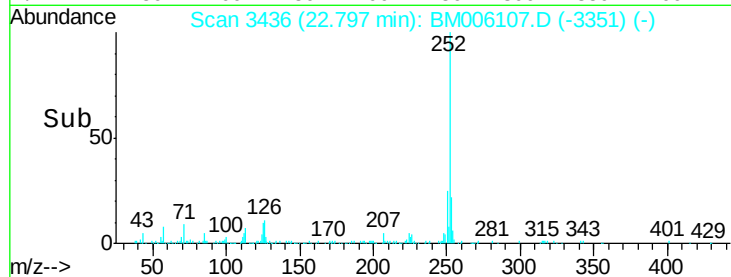
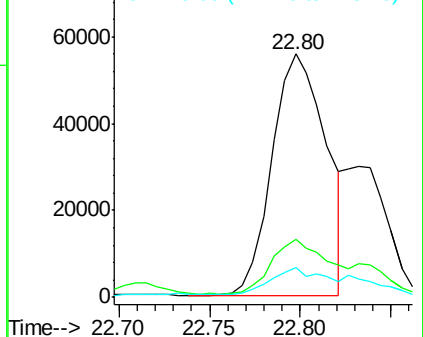
Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

Tgt Ion:	252	Resp:	115967
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	12.3	7.8	11.6#



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



#36

Benzo(k)fluoranthene

Concen: 1.95 ng/ul

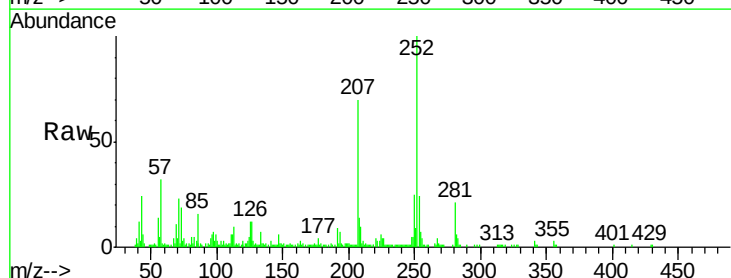
RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

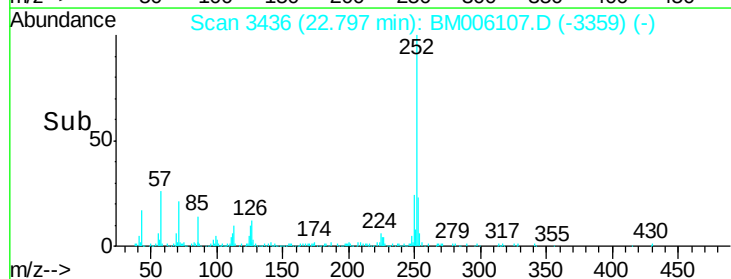
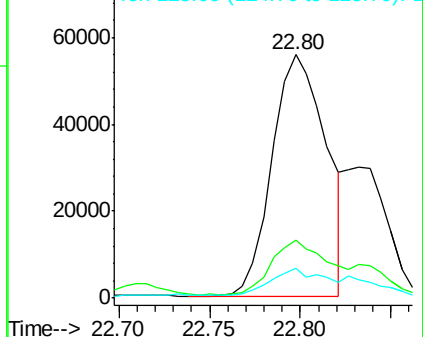
Lab File: BM006107.D

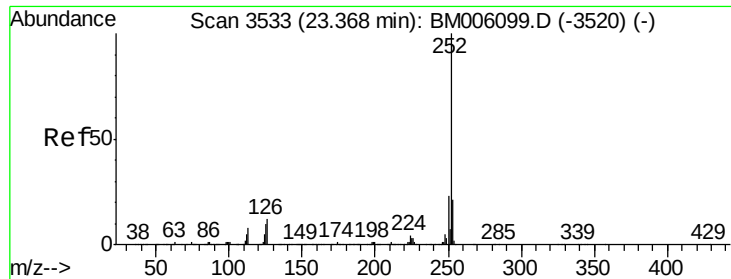
Acq: 28 Jun 2016 22:02

Tgt Ion:	252	Resp:	115967
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.6	26.4
125	12.3	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





#38

Benzo(a)pyrene

Concen: 1.20 ng/ul

RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

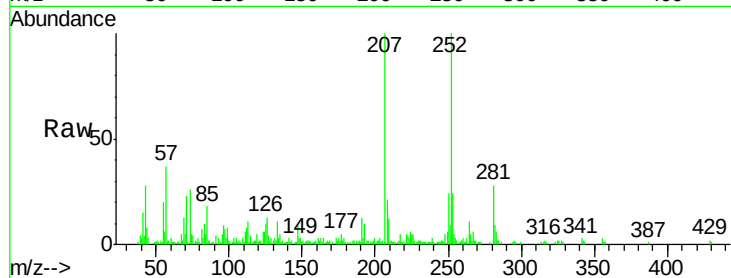
Tgt Ion: 252 Resp: 71881

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

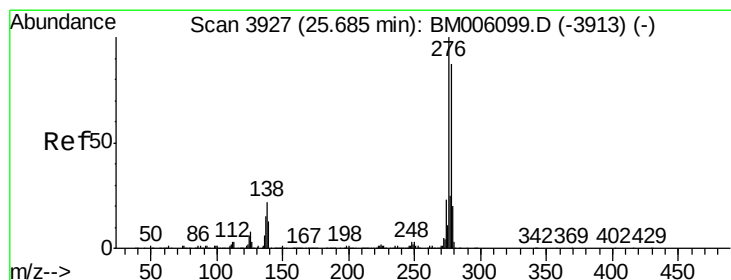
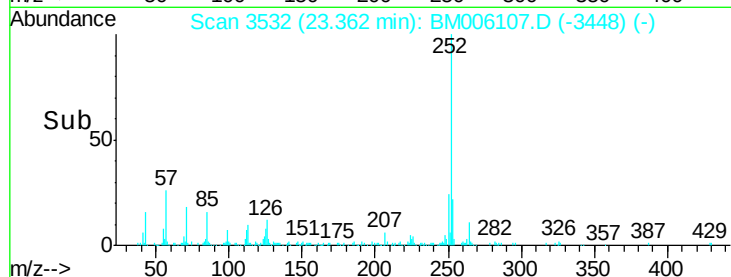
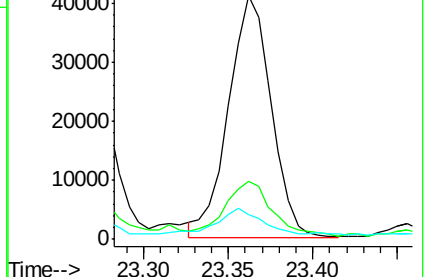
125 9.9 8.7 13.1



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 0.76 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

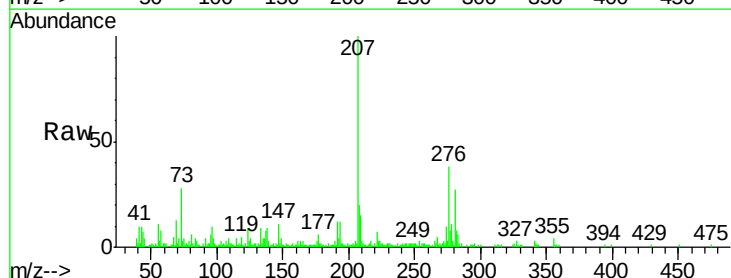
Tgt Ion: 276 Resp: 47279

Ion Ratio Lower Upper

276 100

138 23.2 20.4 30.6

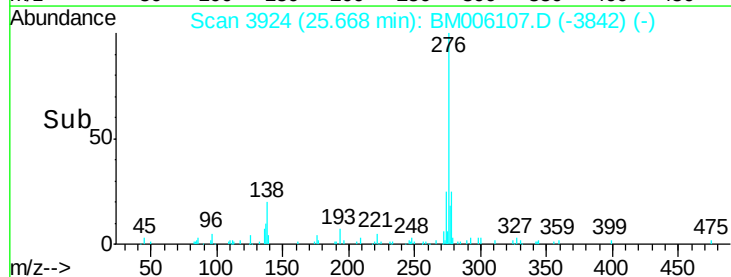
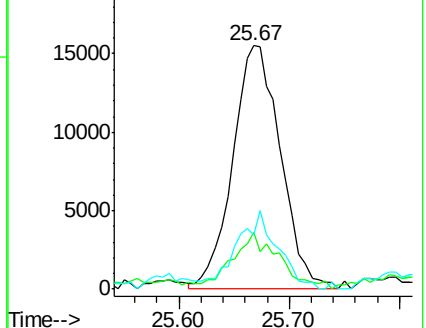
277 22.2 20.6 30.8

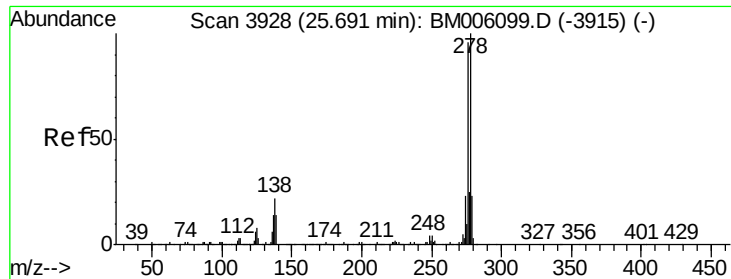


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 0.29 ng/ul

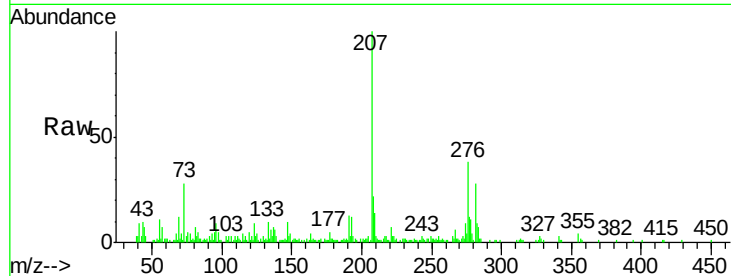
RT: 25.67 min Scan# 3925

Delta R.T. -0.02 min

Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

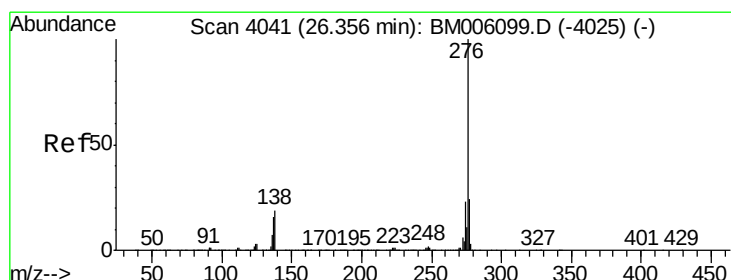
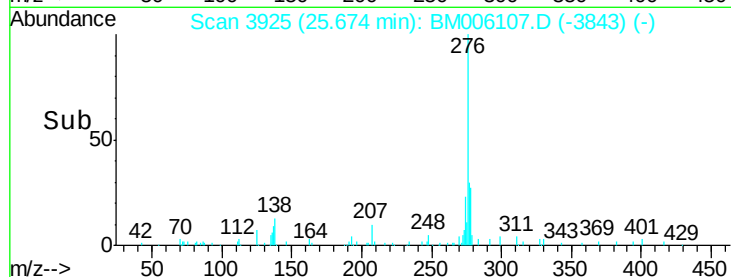
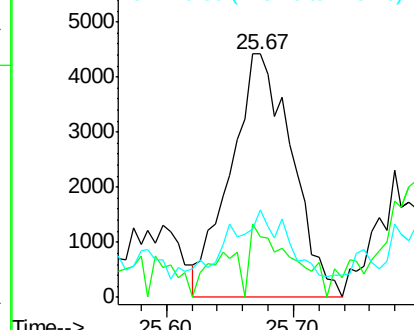
Tgt Ion:	278	Resp:	14852
Ion	Ratio	Lower	Upper
278	100		
139	24.8	13.0	19.4#
279	35.7	18.8	28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#41

Benzo(g,h,i)perylene

Concen: 0.82 ng/ul

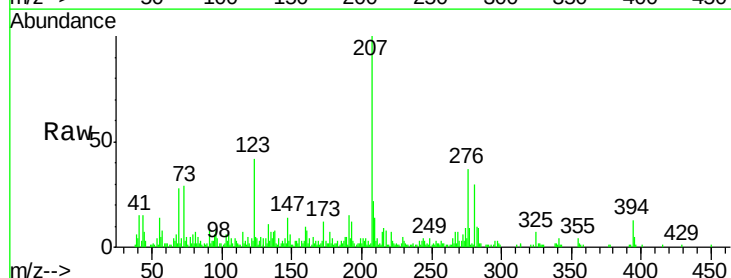
RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006107.D

Acq: 28 Jun 2016 22:02

Tgt Ion:	276	Resp:	42927
Ion	Ratio	Lower	Upper
276	100		
138	22.9	16.6	25.0
277	24.7	18.9	28.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

