

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006108.D
 Acq On : 28 Jun 2016 22:38
 Operator : UM/SJ
 Sample : H3780-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 29 00:59:52 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	195606	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	844562	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	465050	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1003072	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1116536	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1177866	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9208	2.19	ng/uL	0.00
3) Phenol-d5	6.82	99	419784	26.27	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	265319	28.16	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	327939	26.74	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	344213	26.76	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	164953	29.00	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	181778	27.92	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	317742	26.75	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	381152	40.59	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	949275	28.47	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1207718	29.85	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	153516	24.27	ng/ul	0.00
21) Fluorene-d10	15.30	176	812069	28.55	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	121863	34.30	ng/ul	0.00
26) Anthracene-d10	17.15	188	1186007	29.47	ng/ul	0.00
30) Pyrene-d10	19.45	212	1315738	29.26	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1406736	30.01	ng/ul	0.00

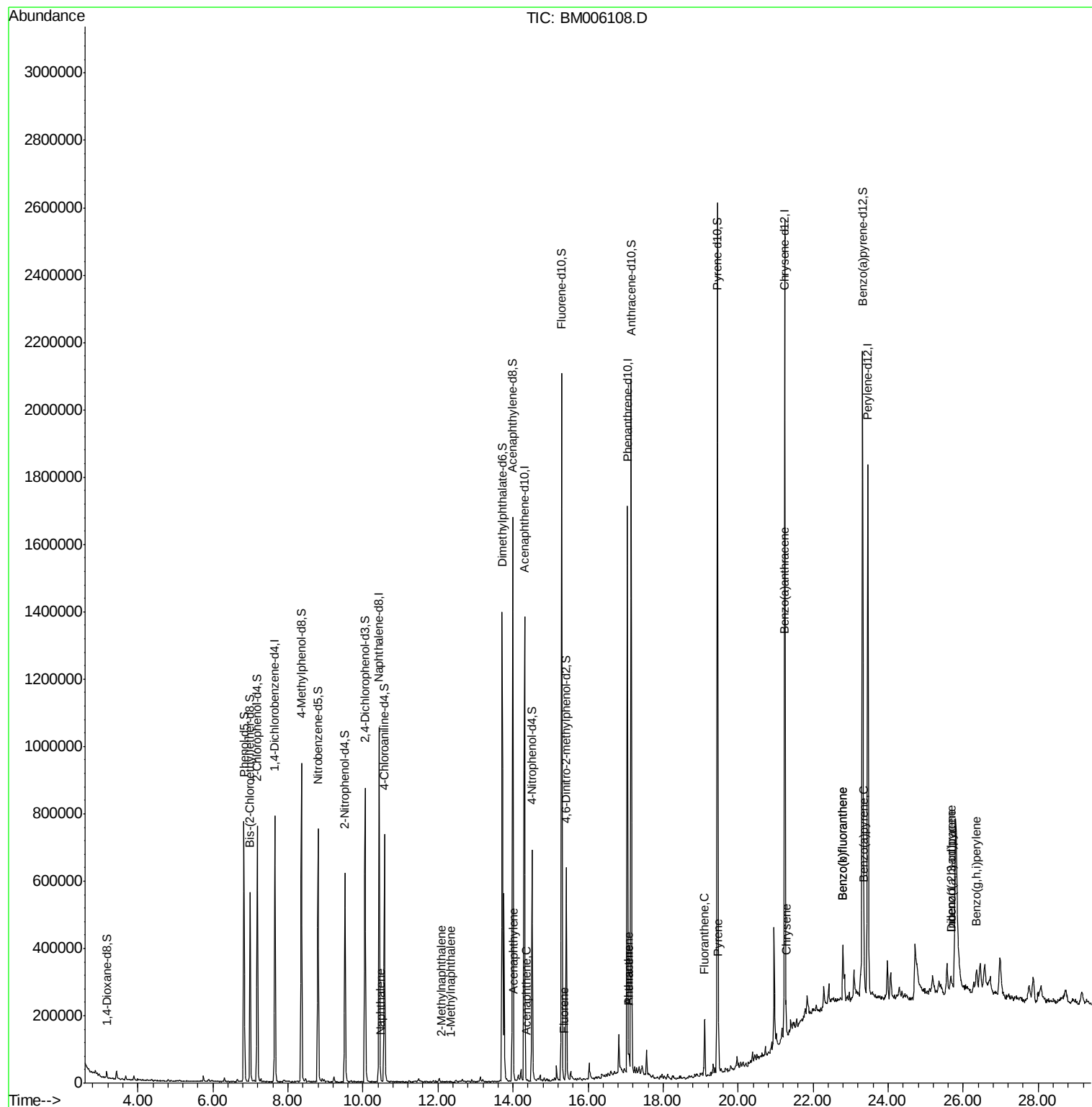
Target Compounds

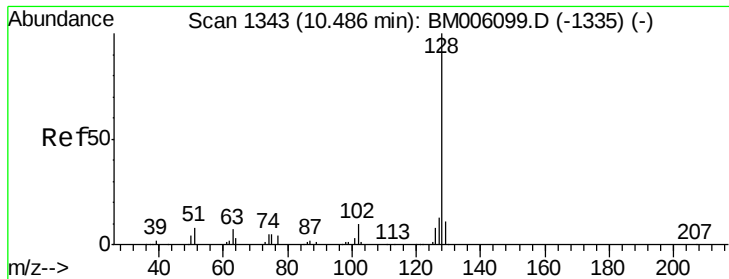
						Qvalue
11) Naphthalene	10.49	128	1615	0.04	ng/ul#	69
13) 2-Methylnaphthalene	12.10	142	647	0.02	ng/ul	91
14) 1-Methylnaphthalene	12.33	142	177	0.01	ng/ul#	99
18) Acenaphthylene	14.02	152	5277	0.12	ng/ul#	85
19) Acenaphthene	14.36	153	1040	0.04	ng/ul#	60
22) Fluorene	15.36	166	1205	0.04	ng/ul#	93
25) Phenanthrene	17.09	178	33380	0.70	ng/ul	96
27) Anthracene	17.09	178	33380	0.68	ng/ul	97
28) Fluoranthene	19.12	202	102121	1.76	ng/ul	98
31) Pyrene	19.48	202	81516	1.38	ng/ul#	94
32) Benzo(a)anthracene	21.23	228	50253	0.87	ng/ul	96
33) Chrysene	21.28	228	56035	1.05	ng/ul	96
35) Benzo(b)fluoranthene	22.80	252	81974	1.34	ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	81974	1.43	ng/ul	100
38) Benzo(a)pyrene	23.36	252	53466	0.93	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.67	276	43666	0.73	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.67	278	10910	0.22	ng/ul#	82
41) Benzo(g,h,i)perylene	26.34	276	40070	0.80	ng/ul	98

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

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Operator : UM/SJ
Sample : H3780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

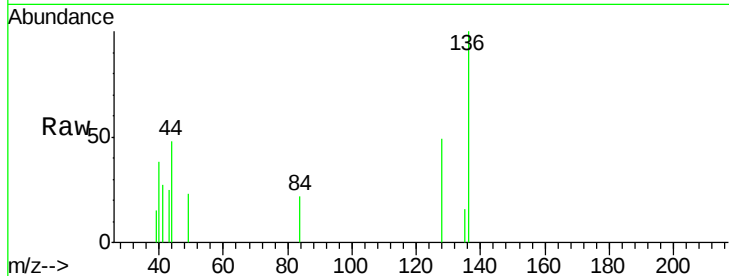
Quant Time: Jun 29 00:59:52 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration



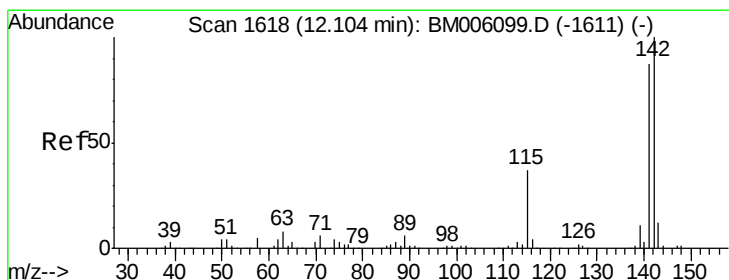
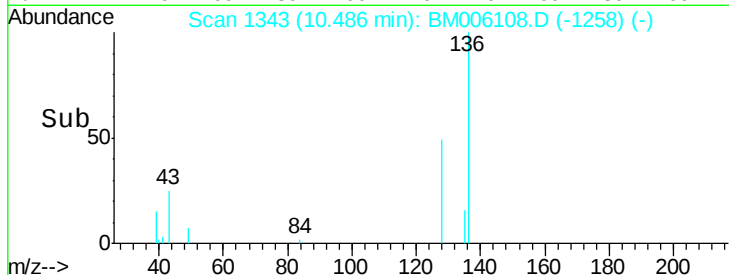
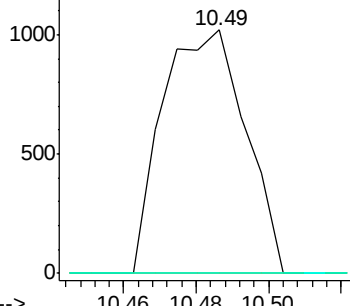


#11
Naphthalene
Concen: 0.04 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006108.D
Acq: 28 Jun 2016 22:38

Tgt Ion:128 Resp: 1615
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.5 15.7#

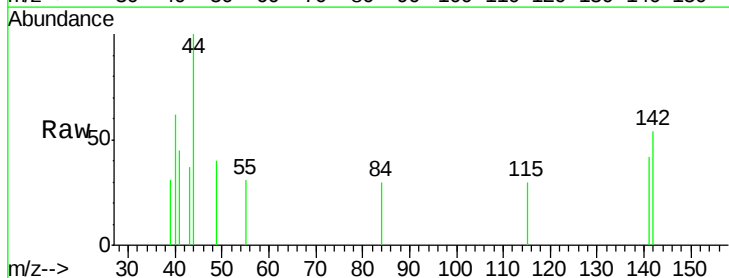


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

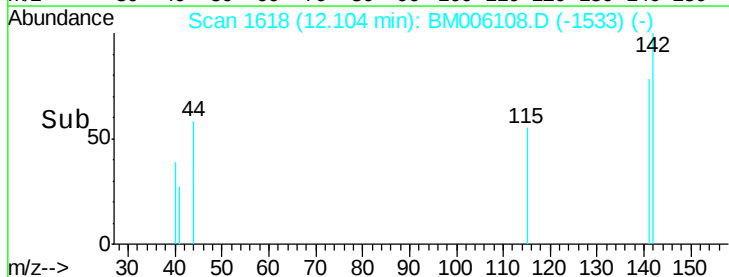
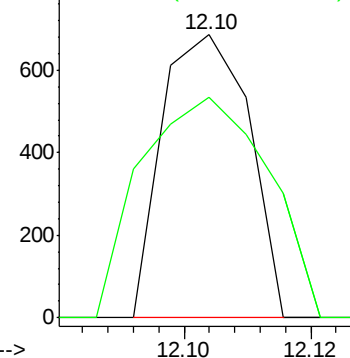


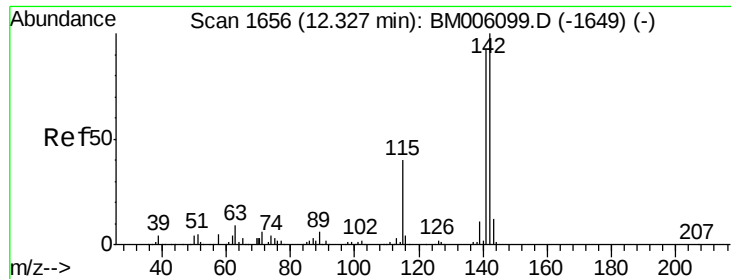
#13
2-Methylnaphthalene
Concen: 0.02 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BM006108.D
Acq: 28 Jun 2016 22:38

Tgt Ion:142 Resp: 647
Ion Ratio Lower Upper
142 100
141 77.8 69.0 103.6



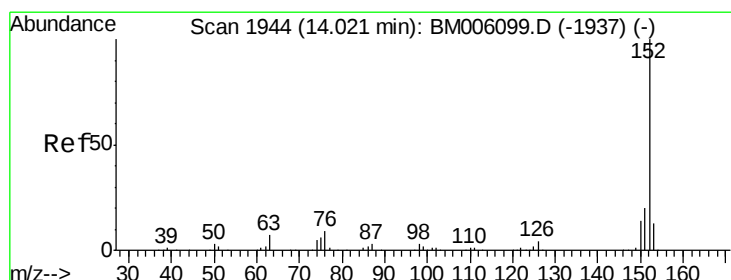
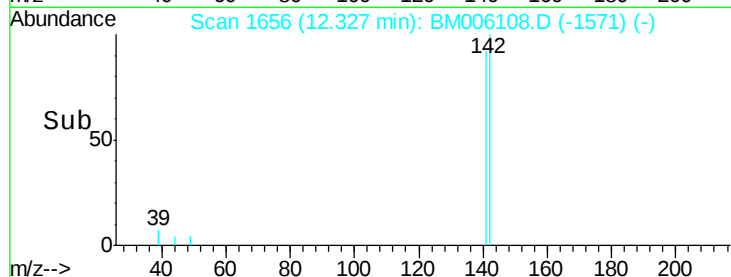
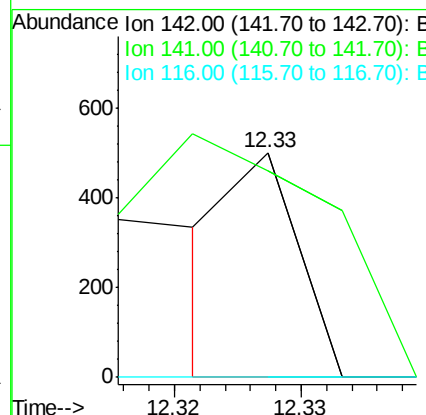
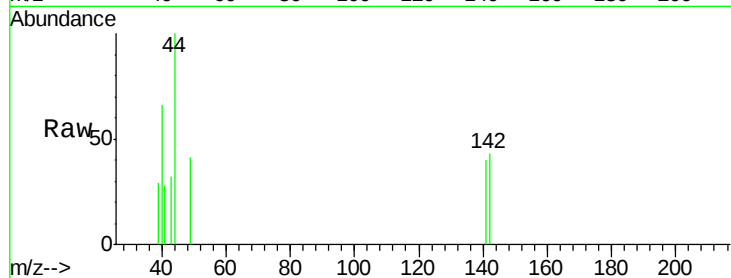
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





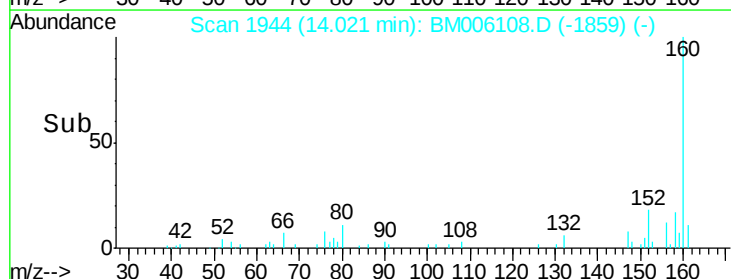
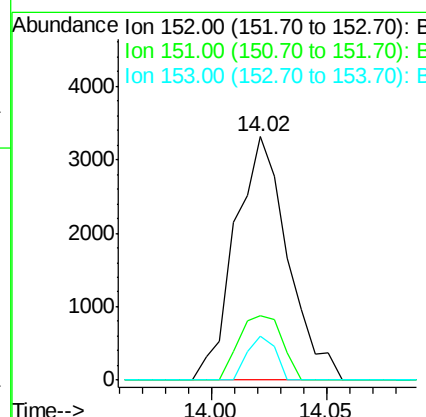
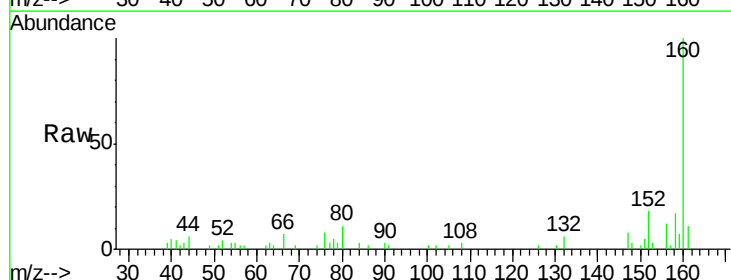
#14
1-Methylnaphthalene
Concen: 0.01 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006108.D
Acq: 28 Jun 2016 22:38

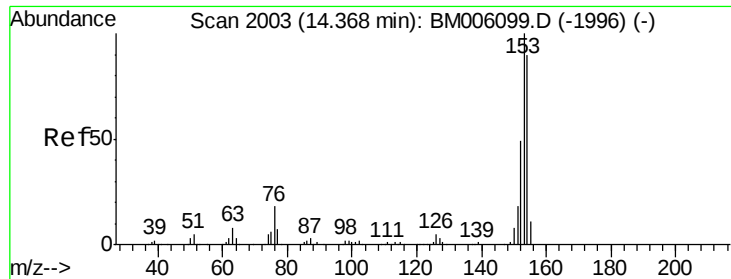
Tgt Ion:142 Resp: 177
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.4
116 0.0 3.0 4.6#



#18
Acenaphthylene
Concen: 0.12 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM006108.D
Acq: 28 Jun 2016 22:38

Tgt Ion:152 Resp: 5277
Ion Ratio Lower Upper
152 100
151 26.7 15.8 23.6#
153 18.2 10.3 15.5#





#19

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.36 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

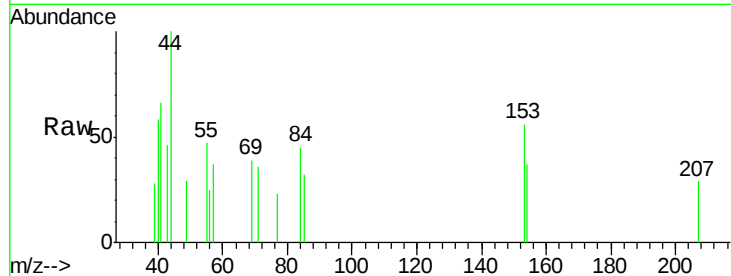
Tgt Ion:153 Resp: 1040

Ion Ratio Lower Upper

153 100

152 0.0 38.1 57.1#

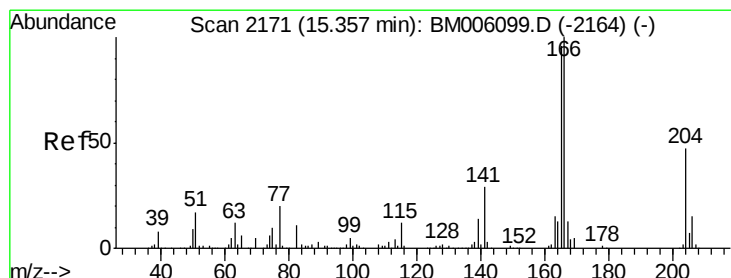
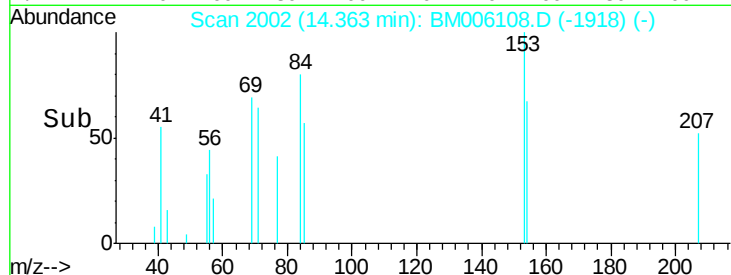
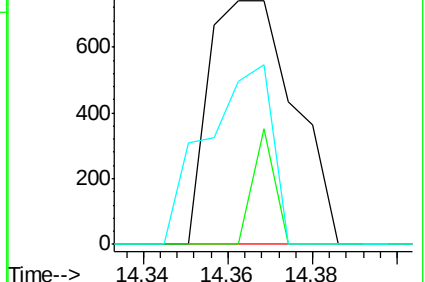
154 66.7 71.6 107.4#



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: 0.04 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

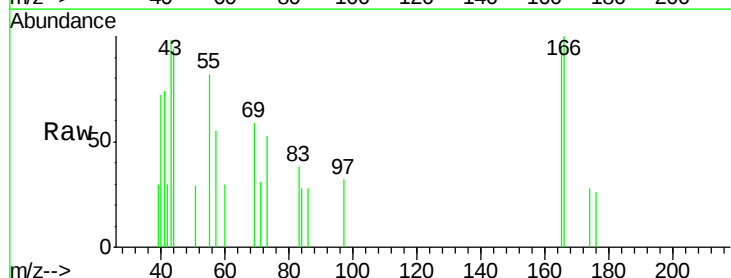
Tgt Ion:166 Resp: 1205

Ion Ratio Lower Upper

166 100

165 94.8 78.4 117.6

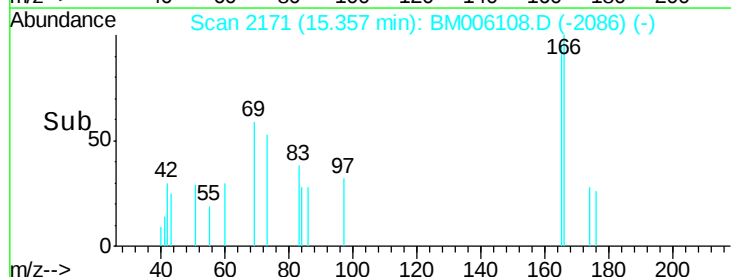
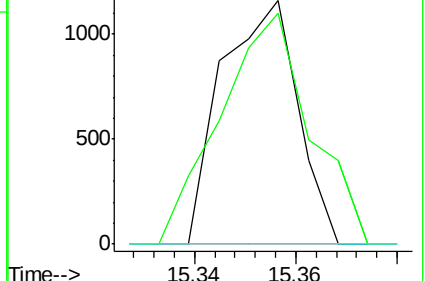
167 0.0 10.6 16.0#

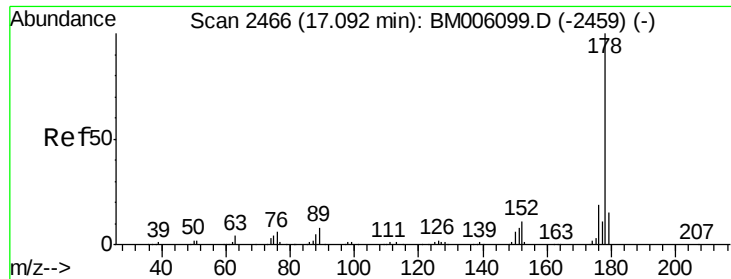


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 0.70 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

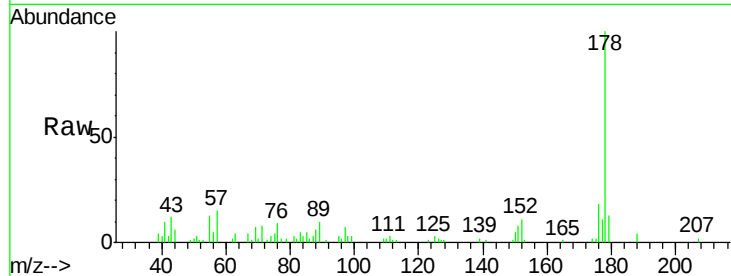
Tgt Ion:178 Resp: 33380

Ion Ratio Lower Upper

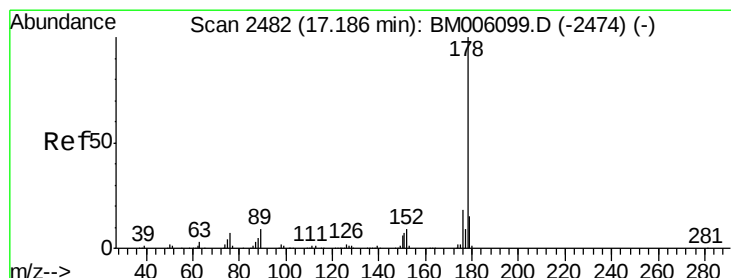
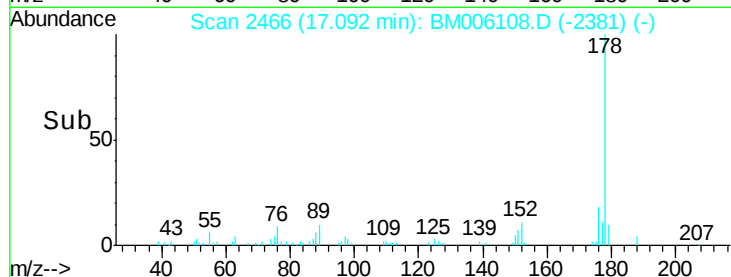
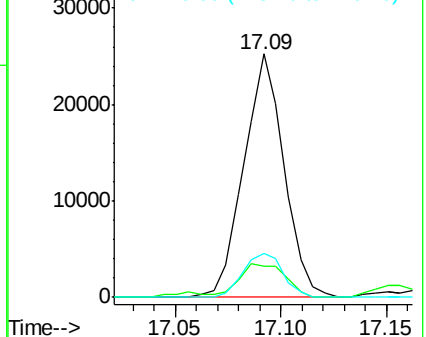
178 100

179 12.7 12.2 18.2

176 18.1 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: 0.68 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.09 min

Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

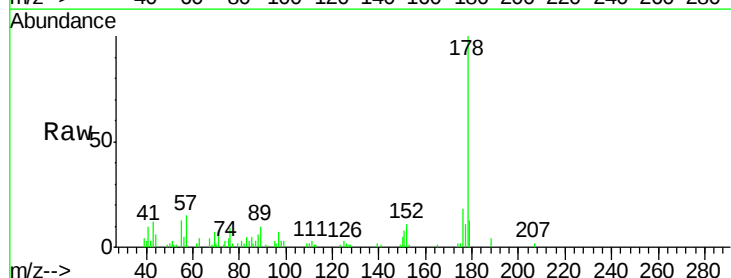
Tgt Ion:178 Resp: 33380

Ion Ratio Lower Upper

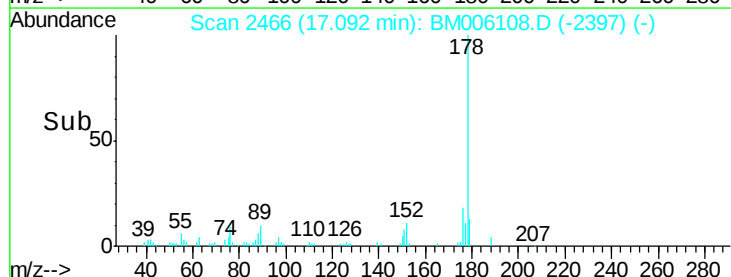
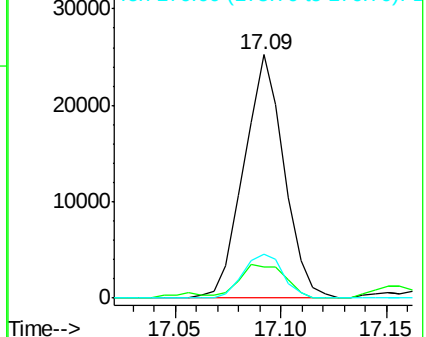
178 100

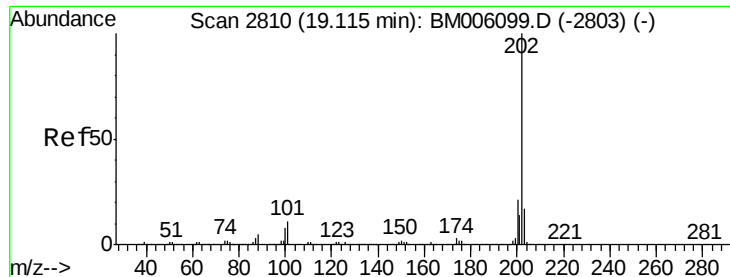
179 12.7 12.3 18.5

176 18.1 14.6 22.0



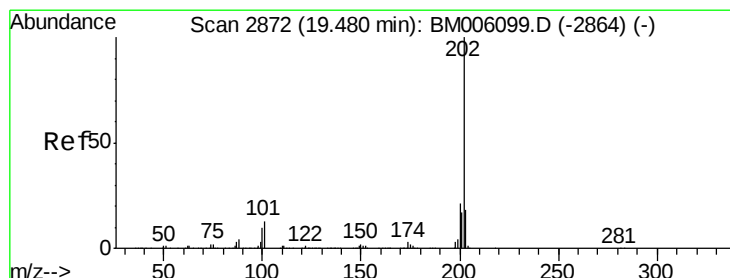
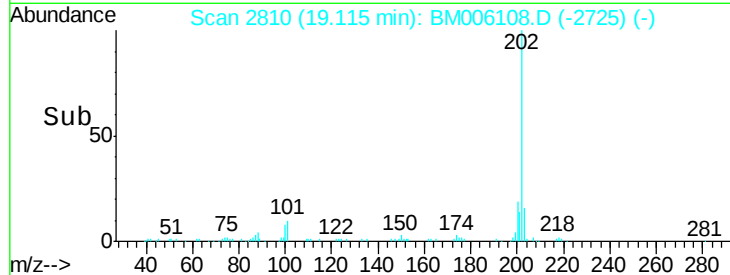
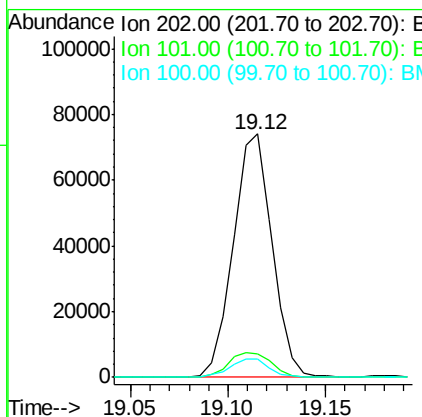
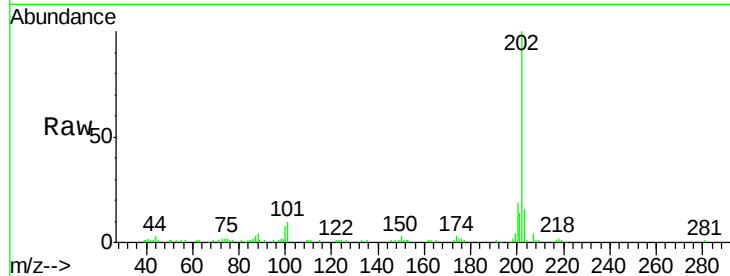
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





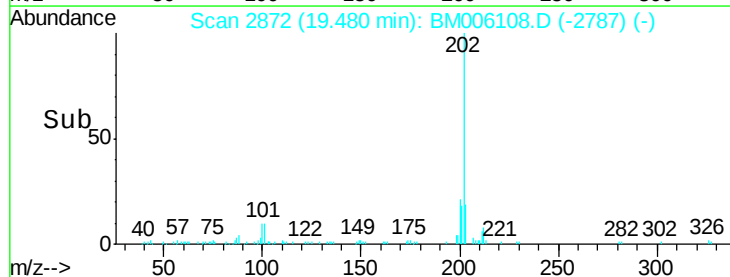
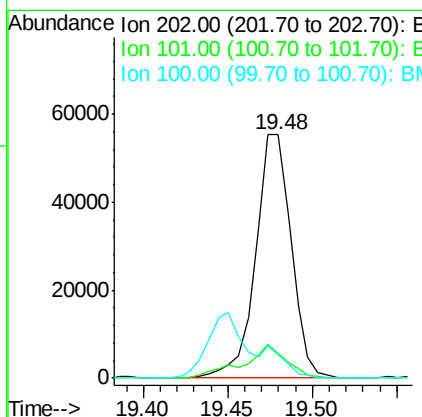
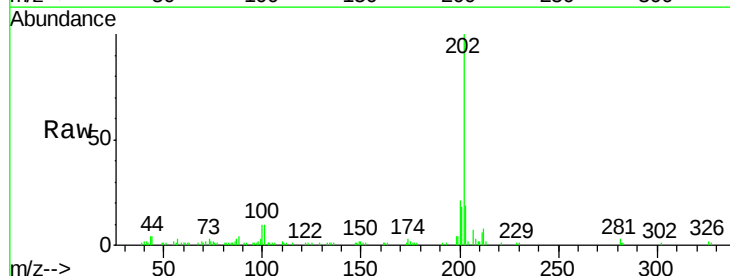
#28
 Fluoranthene
 Concen: 1.76 ng/ul
 RT: 19.12 min Scan# 2810
 Delta R.T. -0.00 min
 Lab File: BM006108.D
 Acq: 28 Jun 2016 22:38

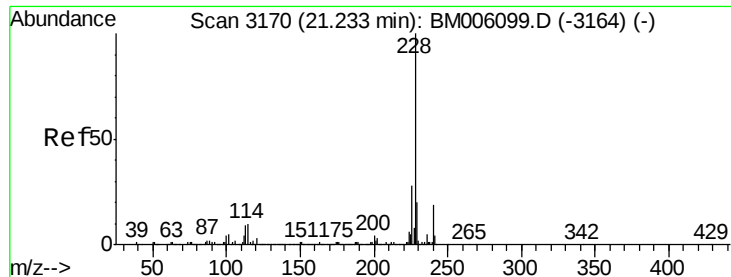
Tgt Ion:	202	Resp:	102121
Ion Ratio	Lower	Upper	
202	100		
101	9.6	8.5	12.7
100	7.5	6.5	9.7



#31
 Pyrene
 Concen: 1.38 ng/ul
 RT: 19.48 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: BM006108.D
 Acq: 28 Jun 2016 22:38

Tgt Ion:	202	Resp:	81516
Ion Ratio	Lower	Upper	
202	100		
101	10.2	11.0	16.4#
100	9.7	8.9	13.3





#32

Benzo(a)anthracene

Concen: 0.87 ng/ul

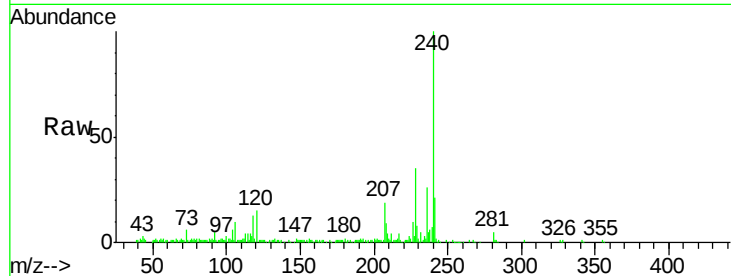
RT: 21.23 min Scan# 3169

Delta R.T. -0.01 min

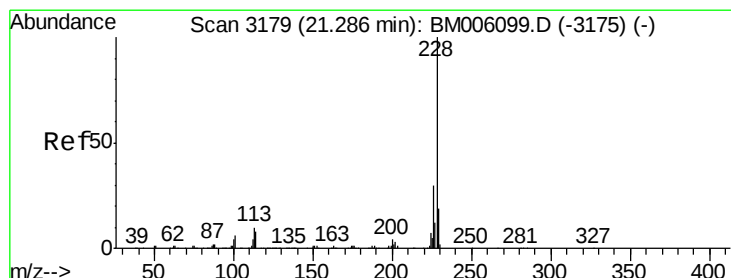
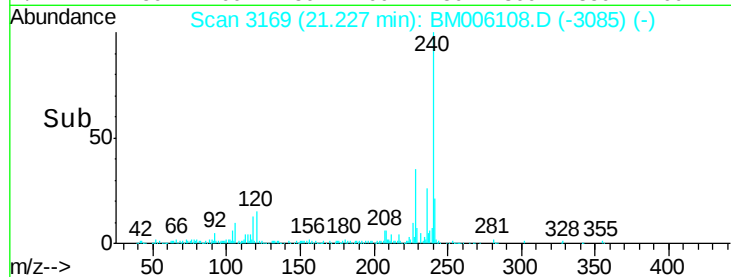
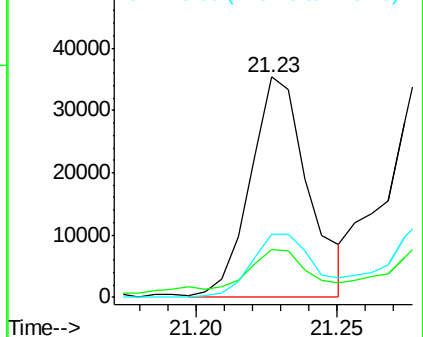
Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

Tgt Ion:	228	Resp:	50253
Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.6	23.4
226	28.9	21.6	32.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#33

Chrysene

Concen: 1.05 ng/ul

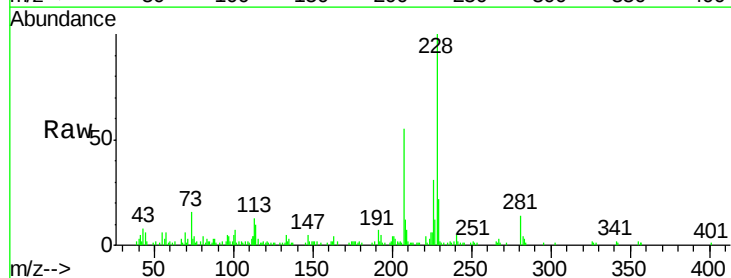
RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

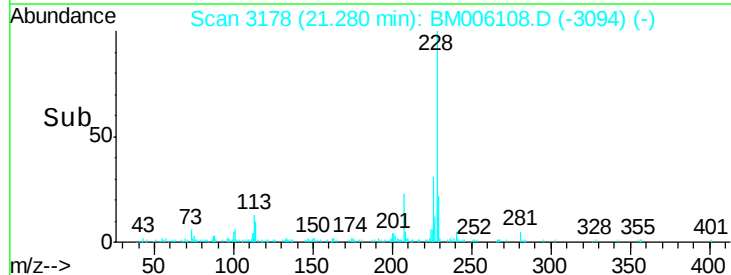
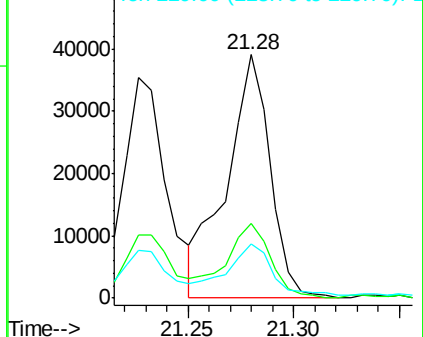
Lab File: BM006108.D

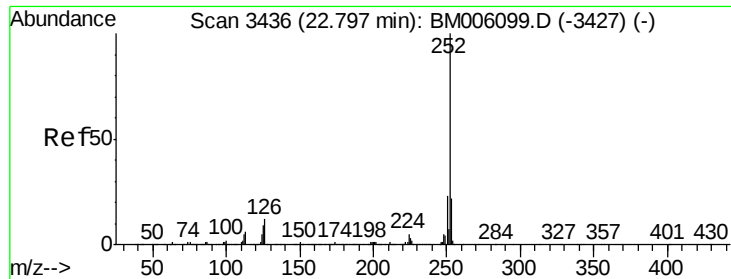
Acq: 28 Jun 2016 22:38

Tgt Ion:	228	Resp:	56035
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	22.4	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 1.34 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

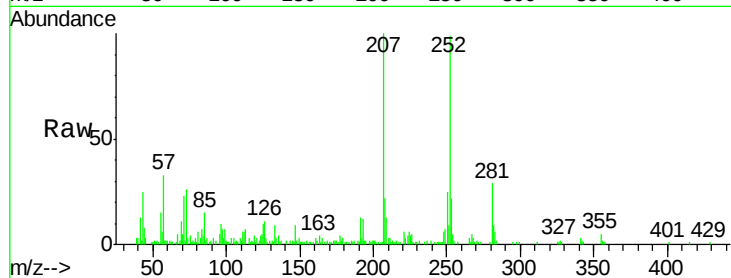
Tgt Ion:252 Resp: 81974

Ion Ratio Lower Upper

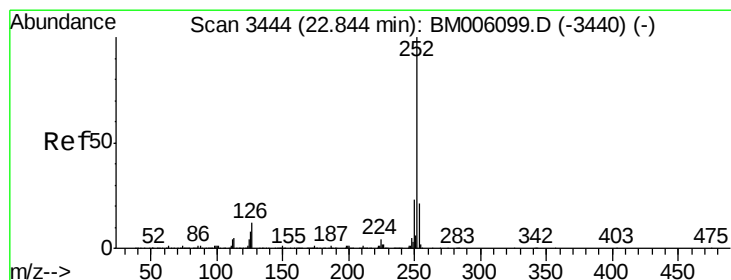
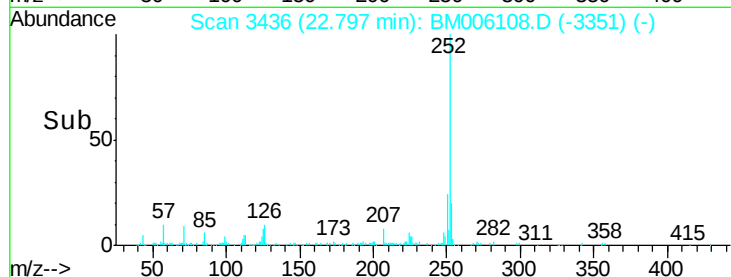
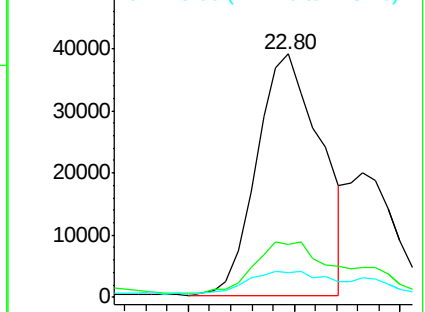
252 100

253 21.9 17.2 25.8

125 10.1 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: 1.43 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

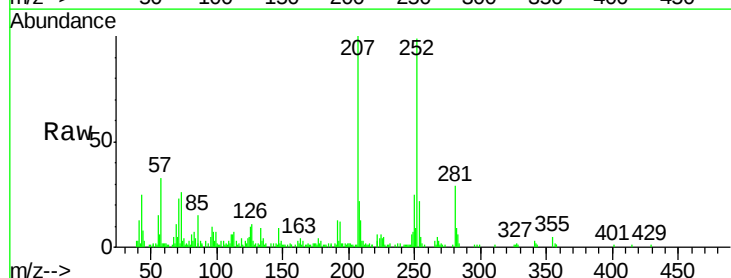
Tgt Ion:252 Resp: 81974

Ion Ratio Lower Upper

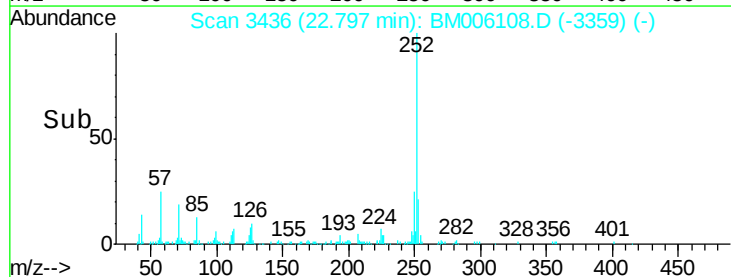
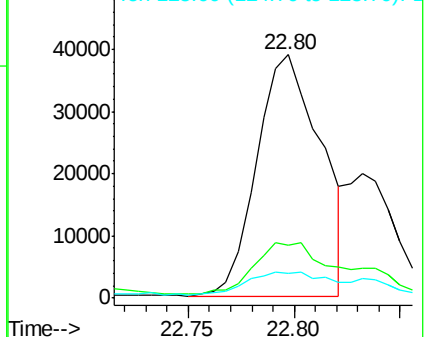
252 100

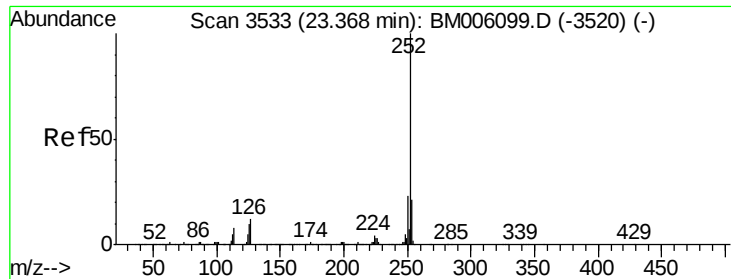
253 21.9 17.6 26.4

125 10.1 8.1 12.1



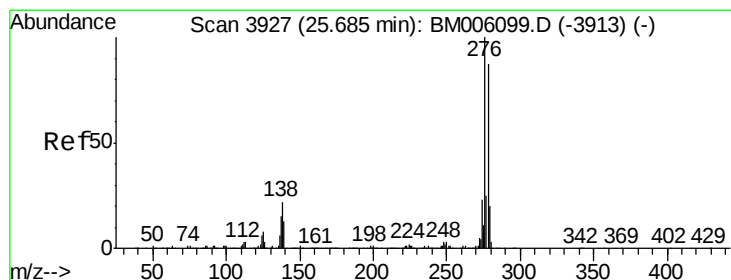
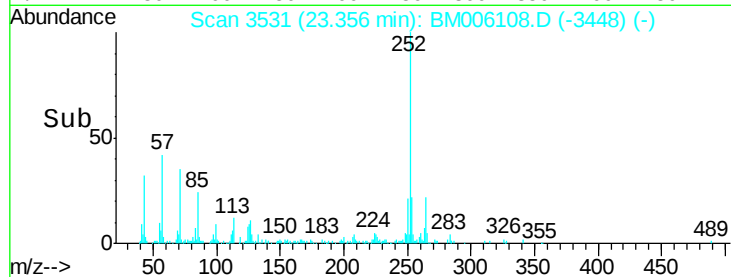
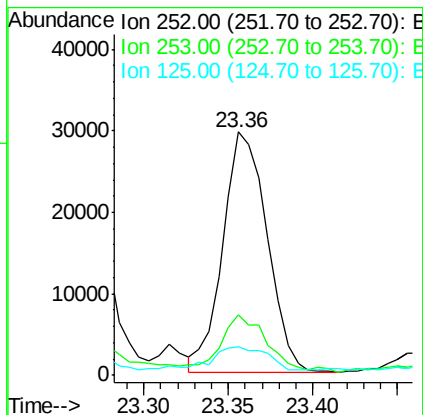
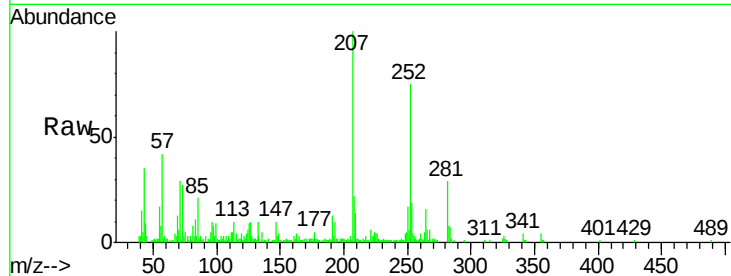
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





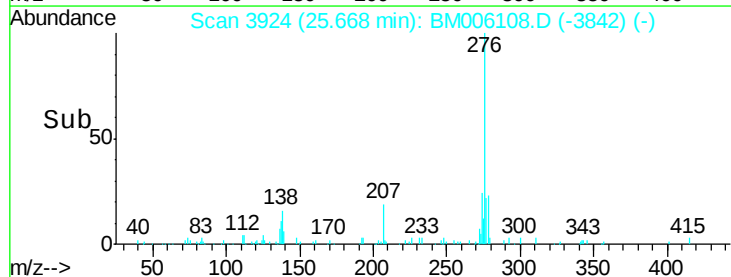
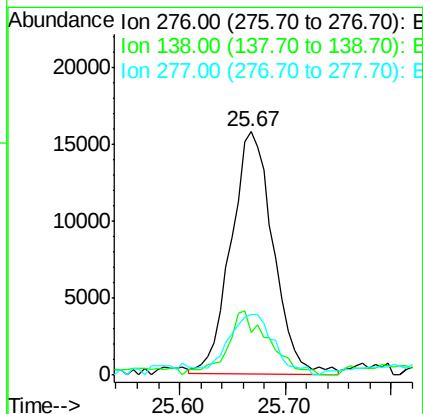
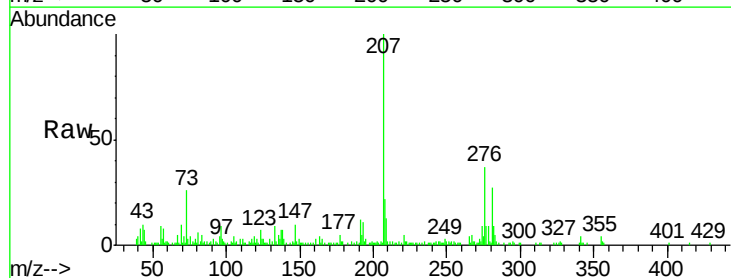
#38
Benzo(a)pyrene
Concen: 0.93 ng/ul
RT: 23.36 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BM006108.D
Acq: 28 Jun 2016 22:38

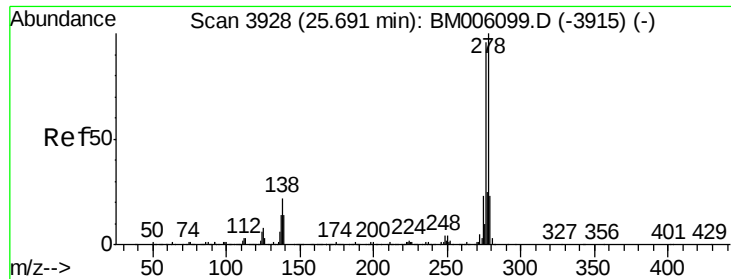
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	11.6	8.7	13.1



#39
Indeno(1,2,3-cd)pyrene
Concen: 0.73 ng/ul
RT: 25.67 min Scan# 3924
Delta R.T. -0.02 min
Lab File: BM006108.D
Acq: 28 Jun 2016 22:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	20.4	30.6#
277	25.1	20.6	30.8





#40

Dibenzo(a,h)anthracene

Concen: 0.22 ng/ul

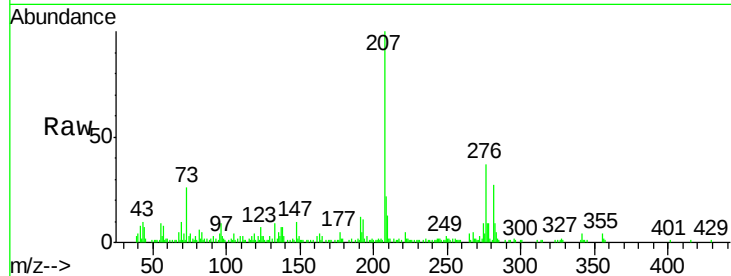
RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

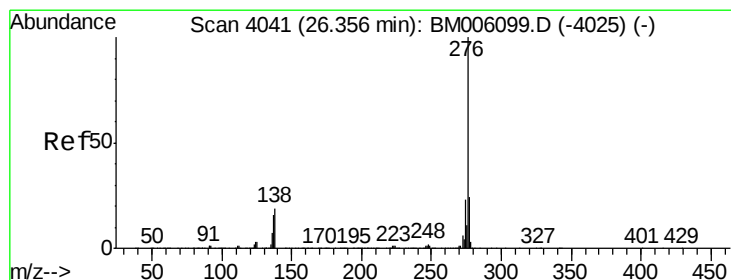
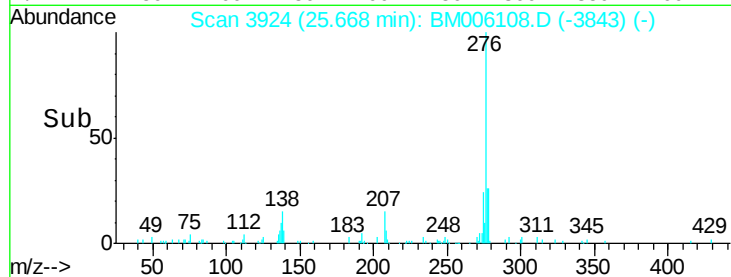
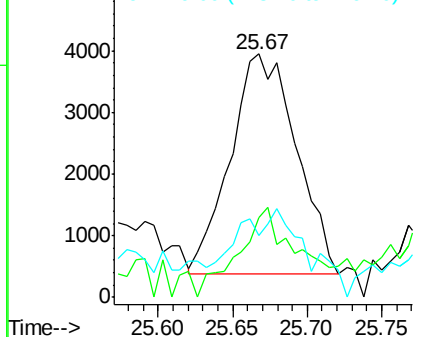
Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

Tgt Ion:	278	Resp:	10910
Ion	Ratio	Lower	Upper
278	100		
139	32.7	13.0	19.4#
279	25.2	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: 0.80 ng/ul

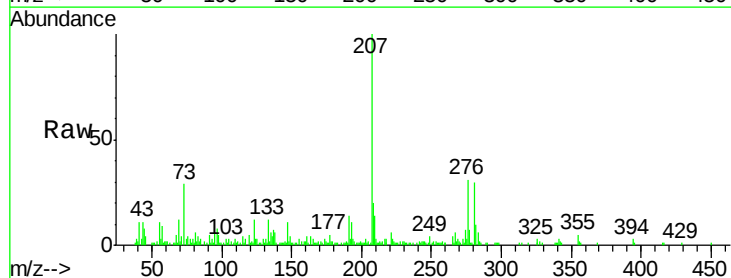
RT: 26.34 min Scan# 4039

Delta R.T. -0.01 min

Lab File: BM006108.D

Acq: 28 Jun 2016 22:38

Tgt Ion:	276	Resp:	40070
Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.6	25.0
277	24.5	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

