

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006111.D
 Acq On : 29 Jun 2016 00:26
 Operator : UM/SJ
 Sample : H3779-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 29 01:00:28 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	220140	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1045387	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	669766	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1587244	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1681310	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1348973	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	5054	1.07	ng/uL	0.00
3) Phenol-d5	6.82	99	270098	15.02	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	170034	16.04	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	206936	14.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	228215	15.77	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	109734	15.58	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	123834	15.37	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	221744	15.08	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	290985	25.04	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	801827	16.70	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	970620	16.66	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	129481	14.21	ng/ul	0.00
21) Fluorene-d10	15.30	176	694513	16.95	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	102554	18.24	ng/ul	0.00
26) Anthracene-d10	17.14	188	1065503	16.73	ng/ul	0.00
30) Pyrene-d10	19.44	212	1240858	18.33	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.31	264	909238	16.94	ng/ul	0.00

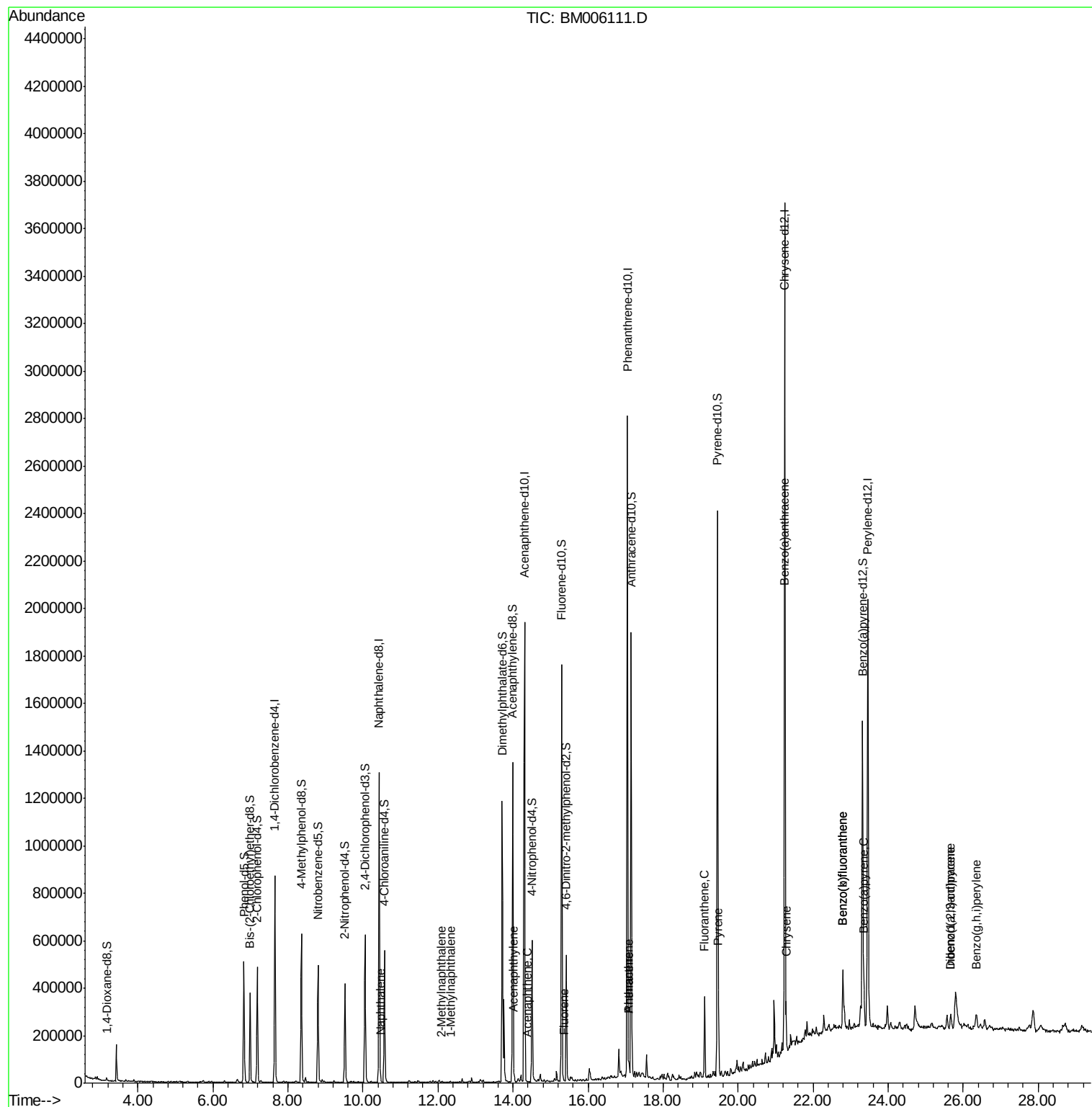
Target Compounds

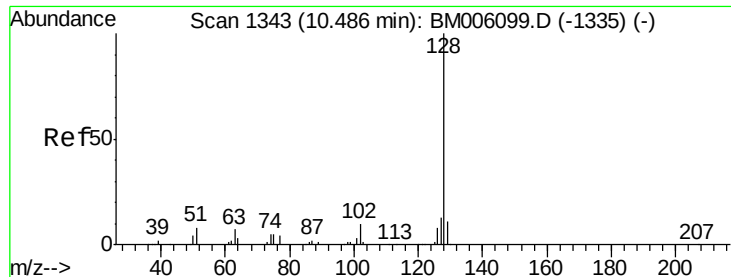
					Qvalue
11) Naphthalene	10.49	128	2723	0.06 ng/ul#	75
13) 2-Methylnaphthalene	12.10	142	1936	0.06 ng/ul	86
14) 1-Methylnaphthalene	12.33	142	2088	0.06 ng/ul#	80
18) Acenaphthylene	14.02	152	9188	0.15 ng/ul	97
19) Acenaphthene	14.36	153	744	0.02 ng/ul#	71
22) Fluorene	15.35	166	1096	0.02 ng/ul#	51
25) Phenanthrene	17.09	178	41194	0.55 ng/ul	98
27) Anthracene	17.09	178	41194	0.53 ng/ul	98
28) Fluoranthene	19.11	202	203632	2.21 ng/ul	99
31) Pyrene	19.48	202	173299	1.95 ng/ul	98
32) Benzo(a)anthracene	21.23	228	114652	1.31 ng/ul	96
33) Chrysene	21.28	228	112231	1.39 ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	148870	2.13 ng/ul	100
36) Benzo(k)fluoranthene	22.80	252	148870	2.27 ng/ul	99
38) Benzo(a)pyrene	23.36	252	84564	1.28 ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.67	276	58450	0.85 ng/ul	95
40) Dibenzo(a,h)anthracene	25.67	278	16952	0.30 ng/ul#	90
41) Benzo(g,h,i)perylene	26.35	276	53205	0.92 ng/ul	94

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

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Misc :
ALS Vial : 14 Sample Multiplier: 1

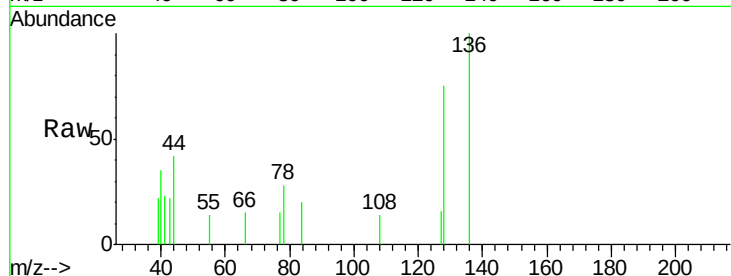
Quant Time: Jun 29 01:00:28 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
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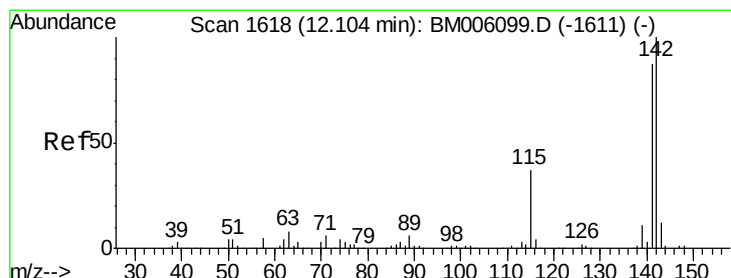
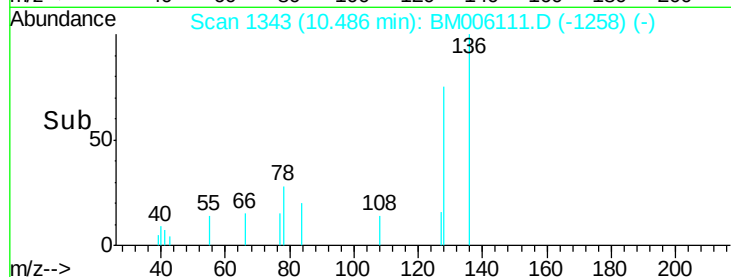
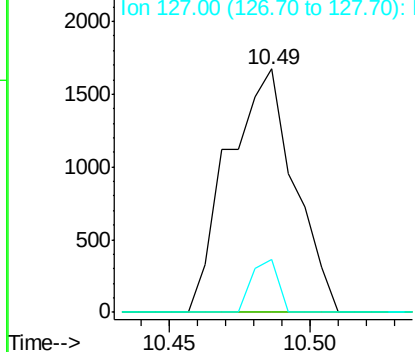


#11
Naphthalene
Concen: 0.06 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006111.D
Acq: 29 Jun 2016 00:26

Tgt Ion:128 Resp: 2723
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 21.6 10.5 15.7#

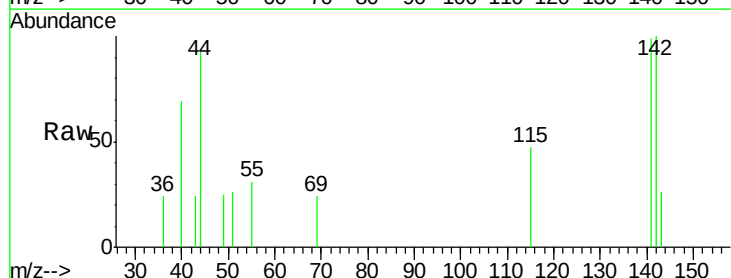


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

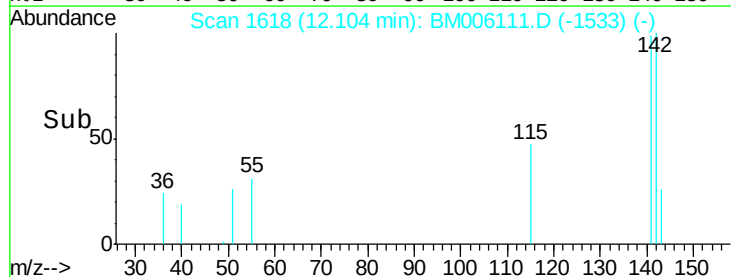
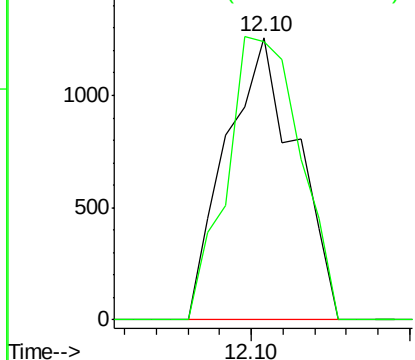


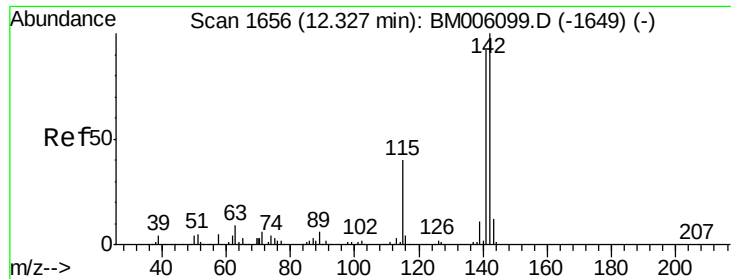
#13
2-Methylnaphthalene
Concen: 0.06 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BM006111.D
Acq: 29 Jun 2016 00:26

Tgt Ion:142 Resp: 1936
Ion Ratio Lower Upper
142 100
141 98.7 69.0 103.6



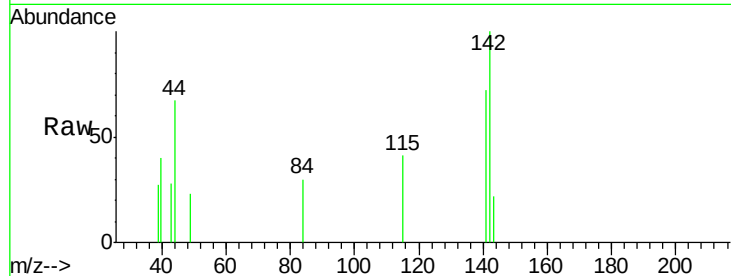
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



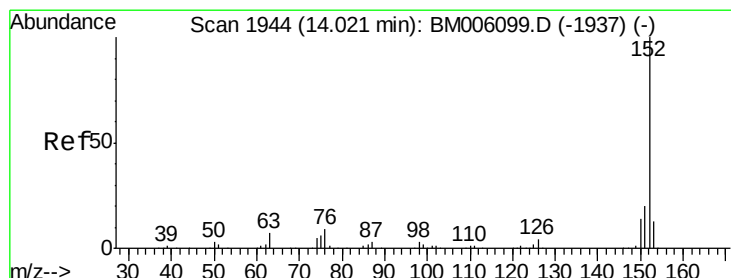
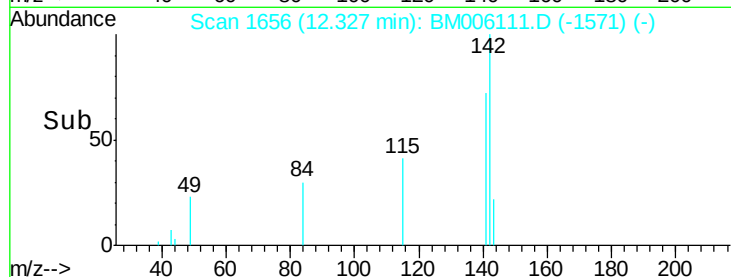
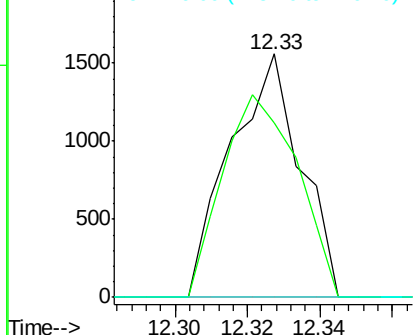


#14
1-Methylnaphthalene
Concen: 0.06 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006111.D
Acq: 29 Jun 2016 00:26

Tgt Ion:142 Resp: 2088
Ion Ratio Lower Upper
142 100
141 71.6 73.0 109.4#
116 0.0 3.0 4.6#

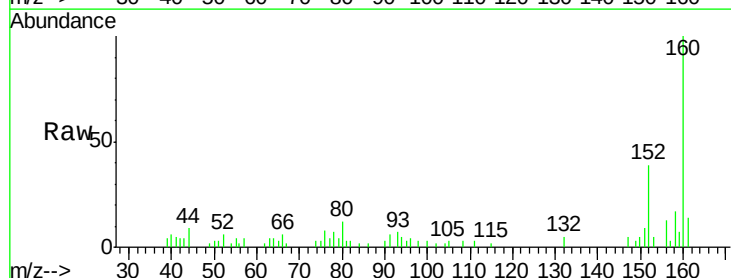


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

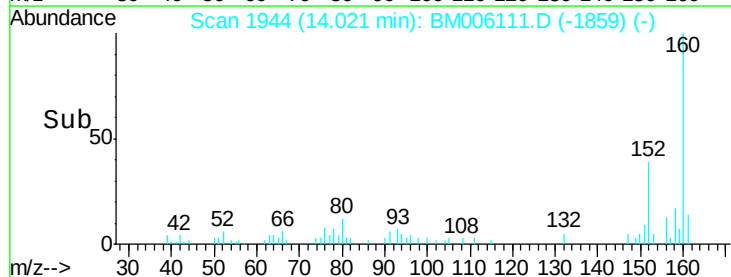
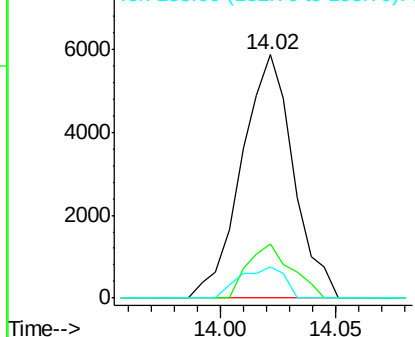


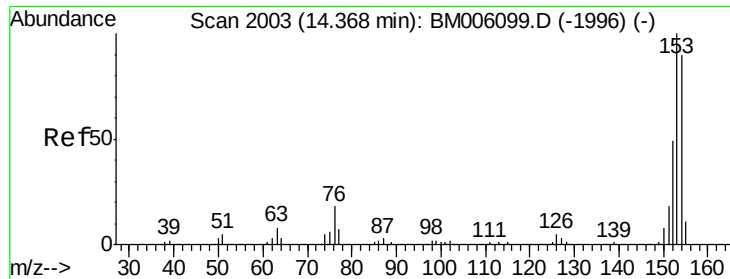
#18
Acenaphthylene
Concen: 0.15 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM006111.D
Acq: 29 Jun 2016 00:26

Tgt Ion:152 Resp: 9188
Ion Ratio Lower Upper
152 100
151 22.2 15.8 23.6
153 12.8 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 0.02 ng/ul

RT: 14.36 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

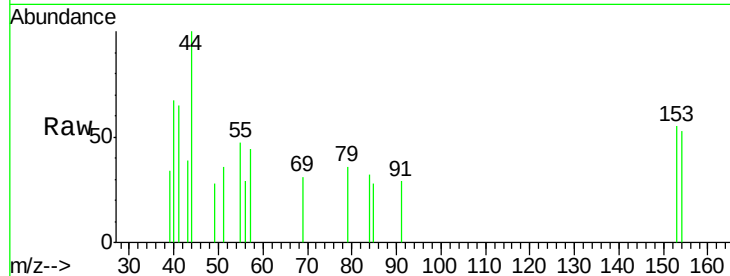
Tgt Ion:153 Resp: 744

Ion Ratio Lower Upper

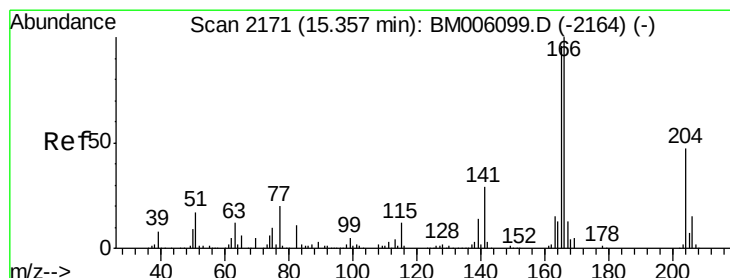
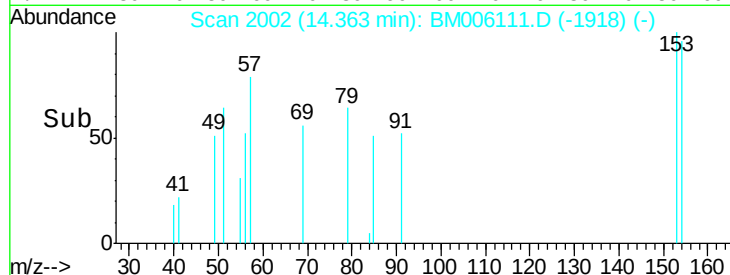
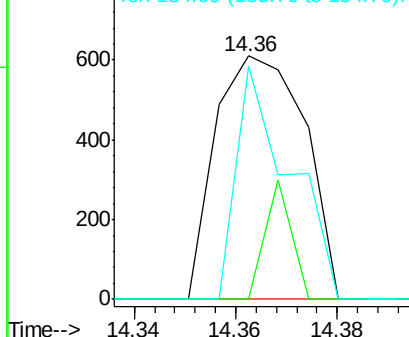
153 100

152 0.0 38.1 57.1#

154 96.1 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: 0.02 ng/ul

RT: 15.35 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

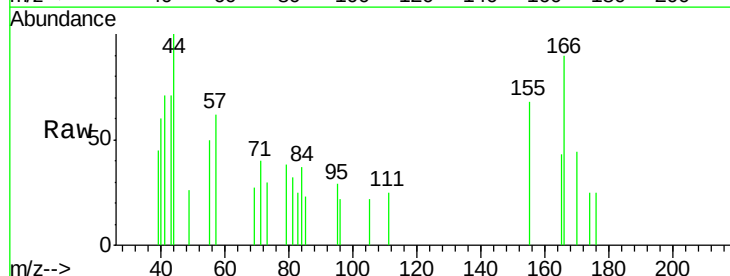
Tgt Ion:166 Resp: 1096

Ion Ratio Lower Upper

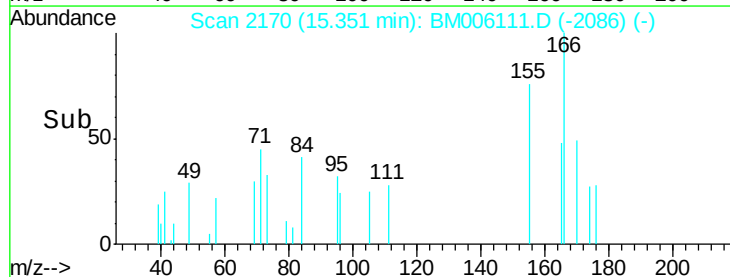
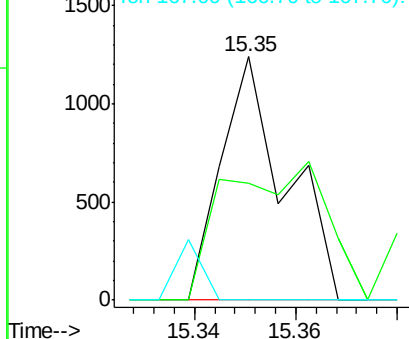
166 100

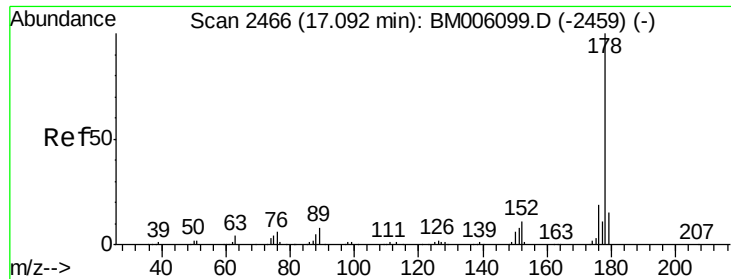
165 48.0 78.4 117.6#

167 0.0 10.6 16.0#



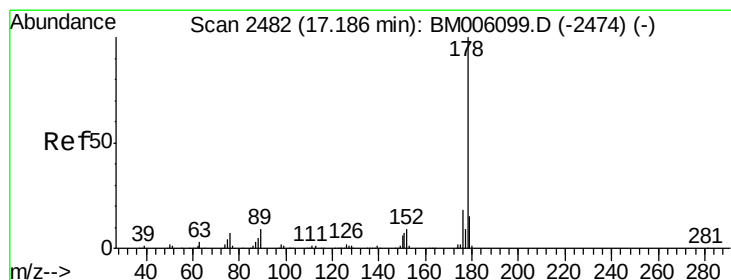
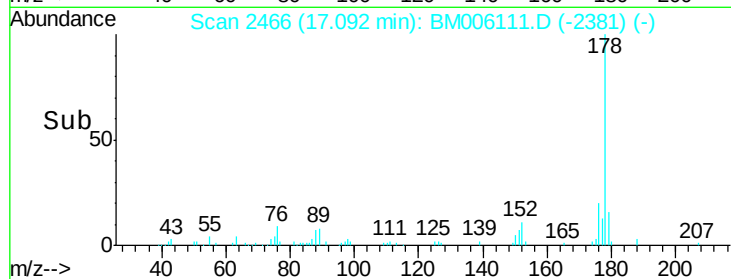
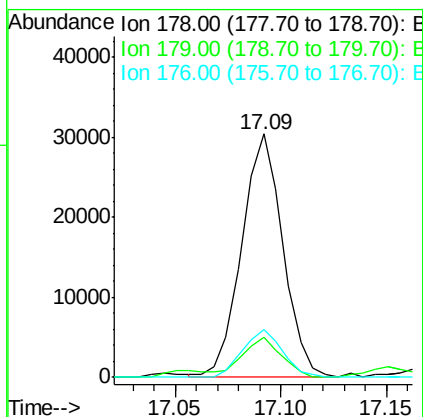
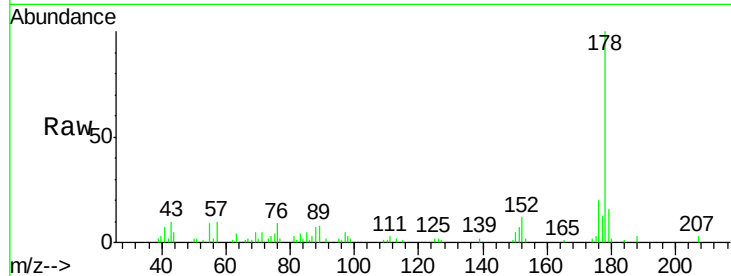
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





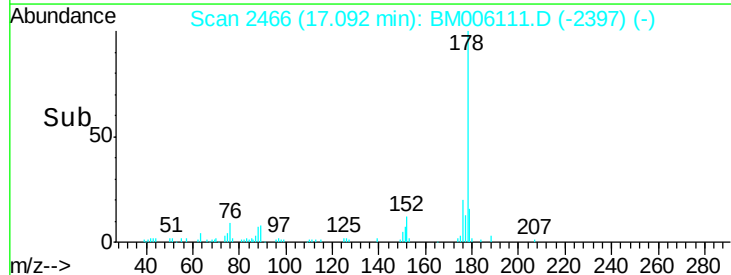
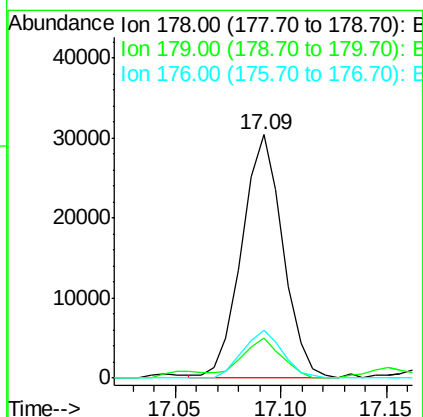
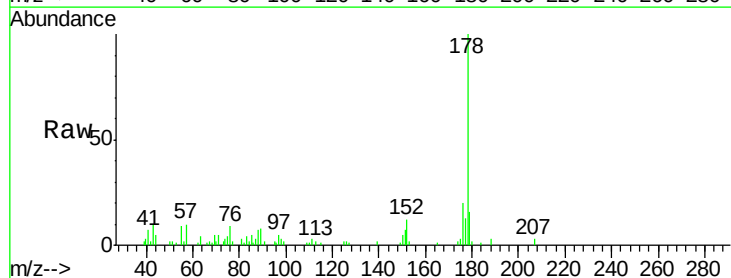
#25
 Phenanthrene
 Concen: 0.55 ng/ul
 RT: 17.09 min Scan# 2466
 Delta R.T. -0.00 min
 Lab File: BM006111.D
 Acq: 29 Jun 2016 00:26

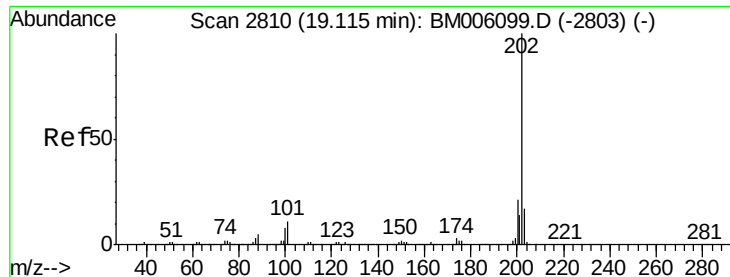
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.2	18.2
176	19.5	15.3	22.9



#27
 Anthracene
 Concen: 0.53 ng/ul
 RT: 17.09 min Scan# 2466
 Delta R.T. -0.09 min
 Lab File: BM006111.D
 Acq: 29 Jun 2016 00:26

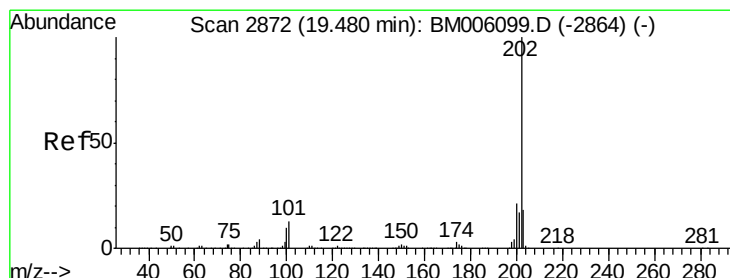
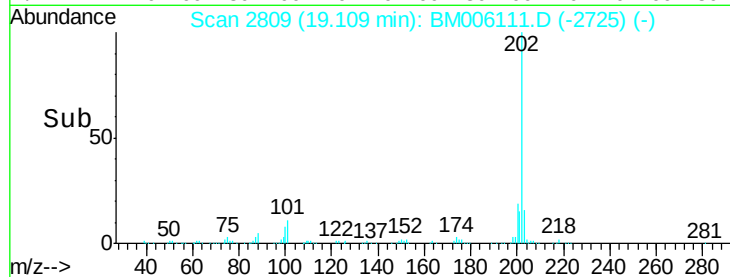
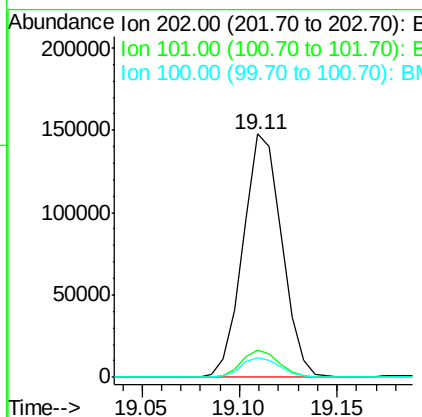
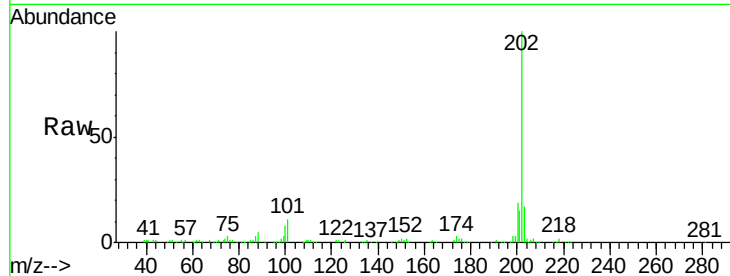
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	19.5	14.6	22.0





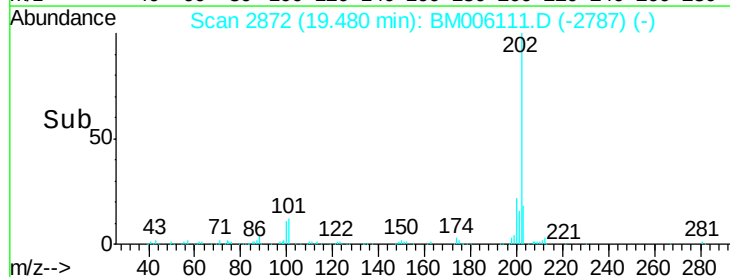
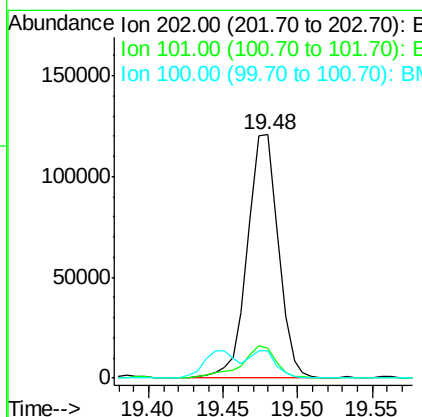
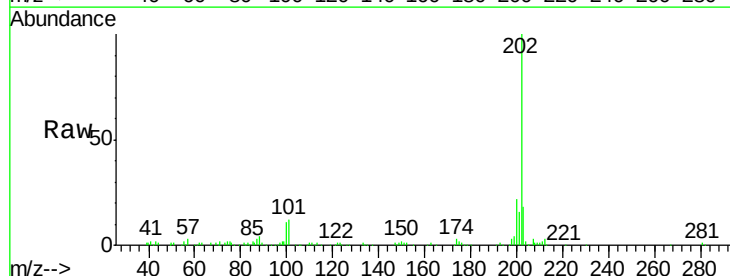
#28
Fluoranthene
Concen: 2.21 ng/ul
RT: 19.11 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BM006111.D
Acq: 29 Jun 2016 00:26

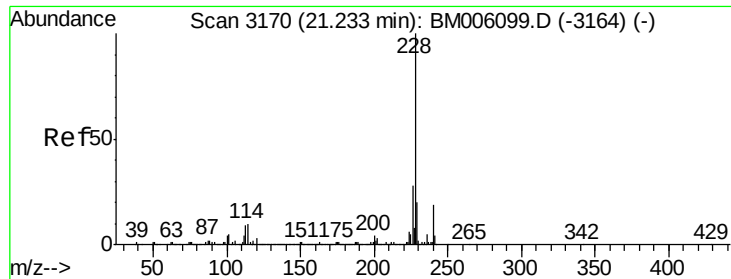
Tgt Ion:	202	Resp:	203632
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.5	12.7
100	8.0	6.5	9.7



#31
Pyrene
Concen: 1.95 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BM006111.D
Acq: 29 Jun 2016 00:26

Tgt Ion:	202	Resp:	173299
Ion Ratio	Lower	Upper	
202	100		
101	12.0	11.0	16.4
100	11.1	8.9	13.3





#32

Benzo(a)anthracene

Concen: 1.31 ng/ul

RT: 21.23 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

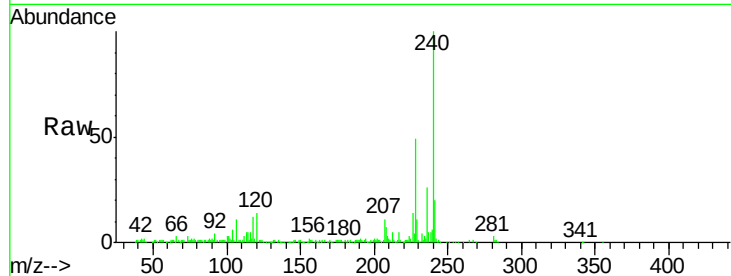
Tgt Ion:228 Resp: 114652

Ion Ratio Lower Upper

228 100

229 21.9 15.6 23.4

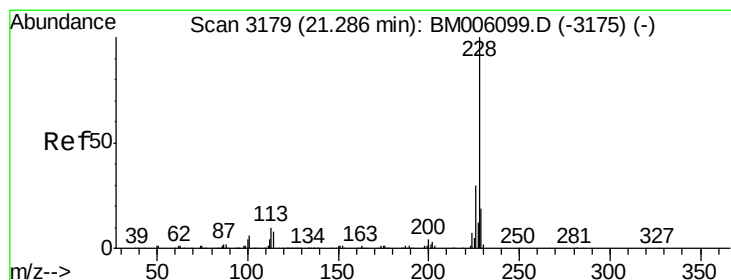
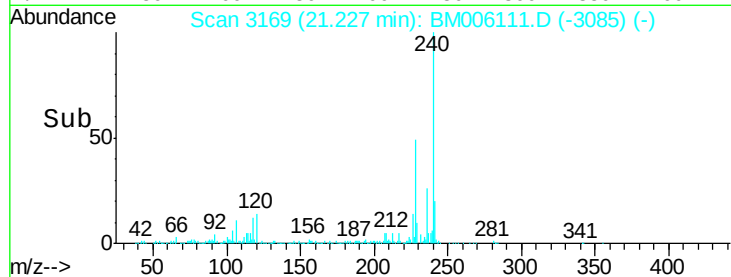
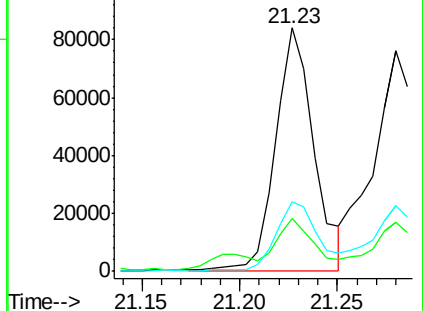
226 28.6 21.6 32.4



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: 1.39 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

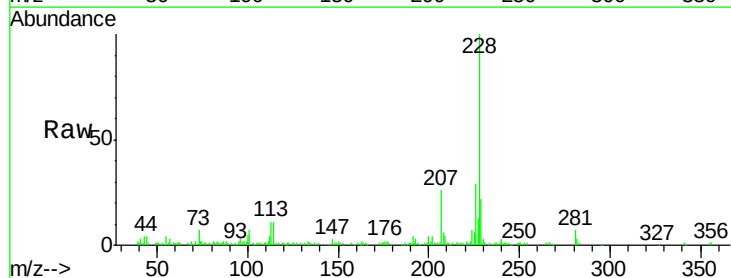
Tgt Ion:228 Resp: 112231

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

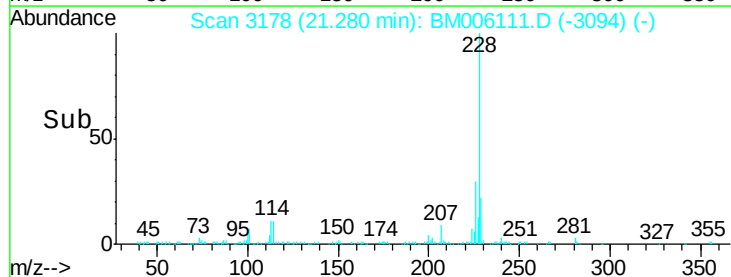
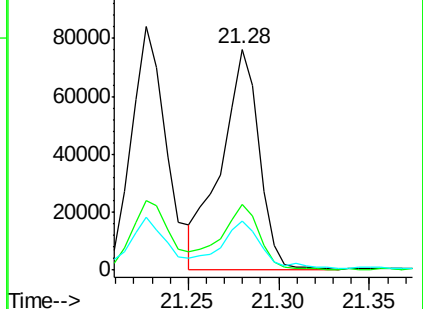
229 22.5 15.8 23.6

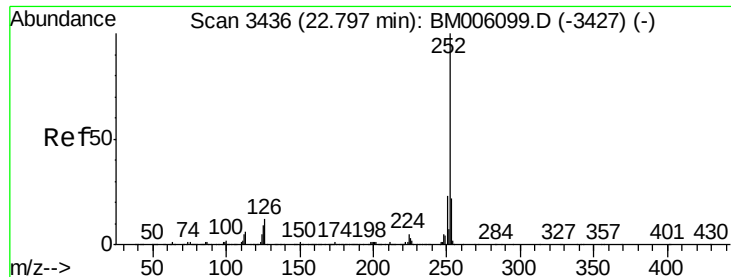


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 2.13 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

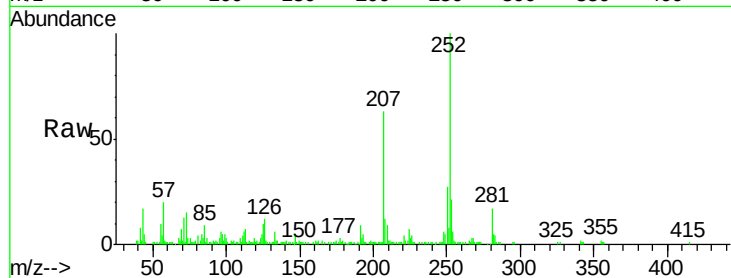
Tgt Ion:252 Resp: 148870

Ion Ratio Lower Upper

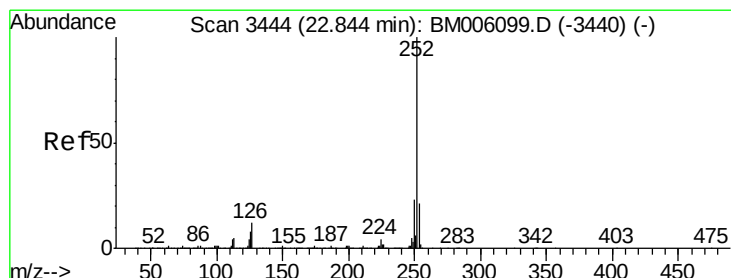
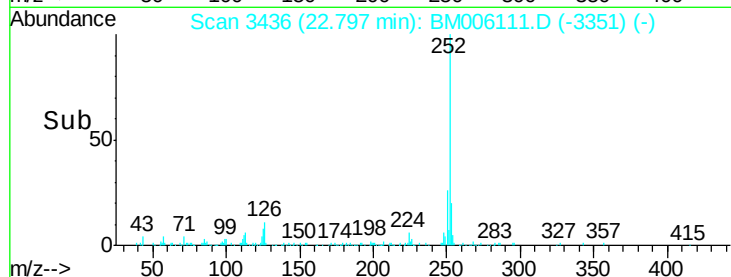
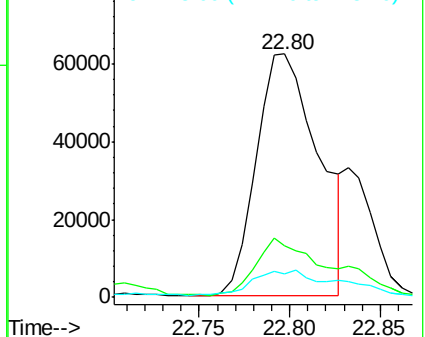
252 100

253 21.3 17.2 25.8

125 9.5 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: 2.27 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

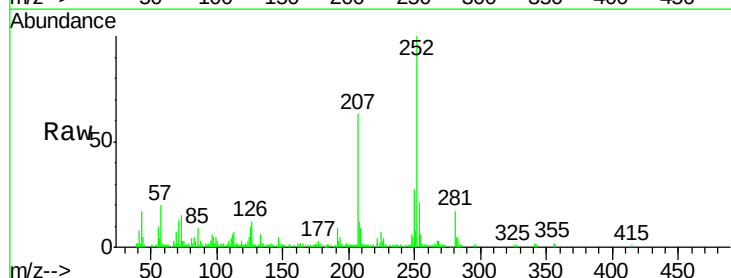
Tgt Ion:252 Resp: 148870

Ion Ratio Lower Upper

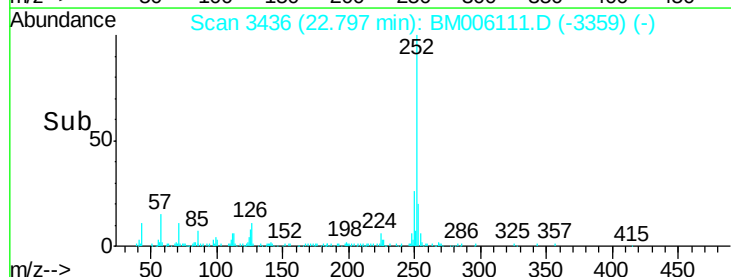
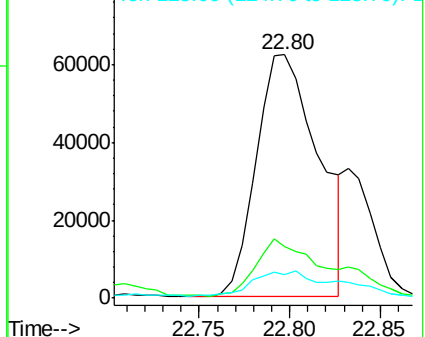
252 100

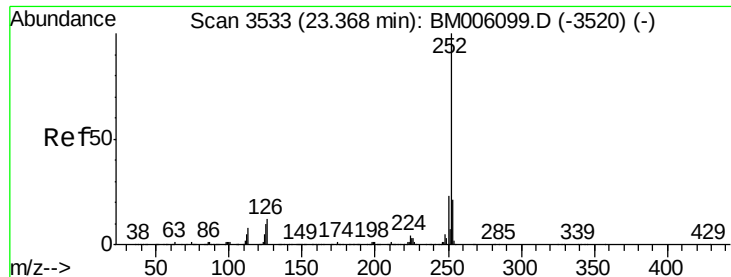
253 21.3 17.6 26.4

125 9.5 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: 1.28 ng/ul

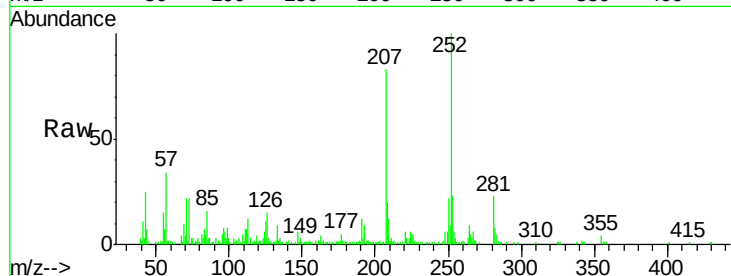
RT: 23.36 min Scan# 3531

Delta R.T. -0.01 min

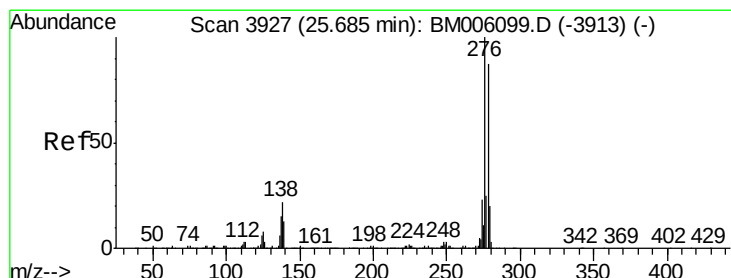
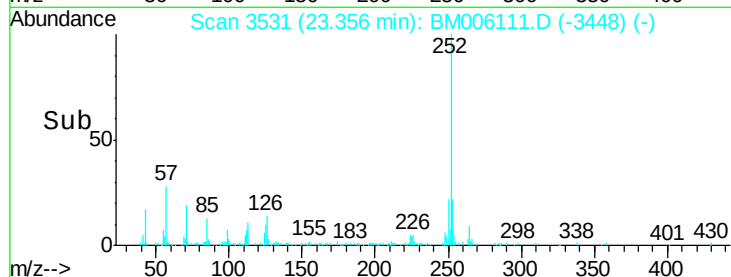
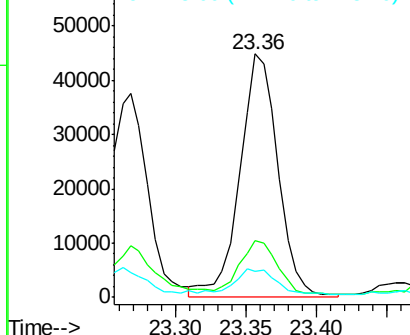
Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

Tgt Ion:	252	Resp:	84564
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	10.7	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: 0.85 ng/ul

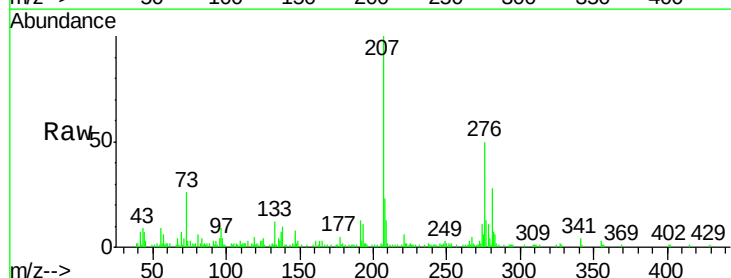
RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

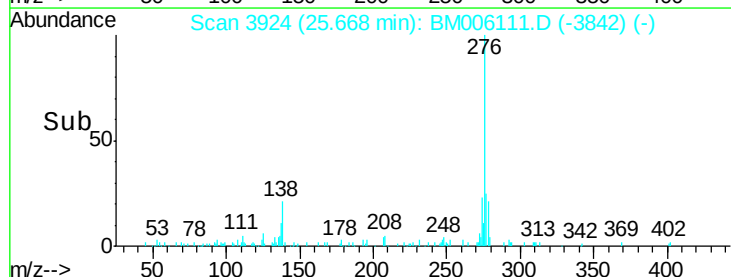
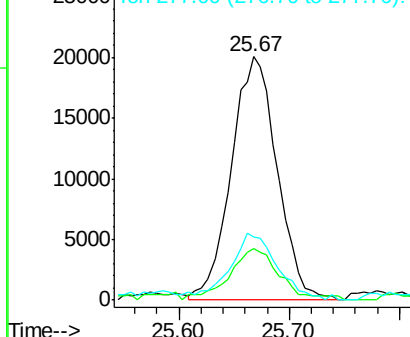
Lab File: BM006111.D

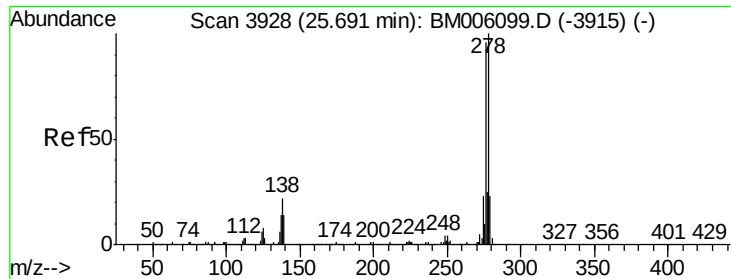
Acq: 29 Jun 2016 00:26

Tgt Ion:	276	Resp:	58450
Ion Ratio	Lower	Upper	
276	100		
138	20.9	20.4	30.6
277	26.0	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: 0.30 ng/ul

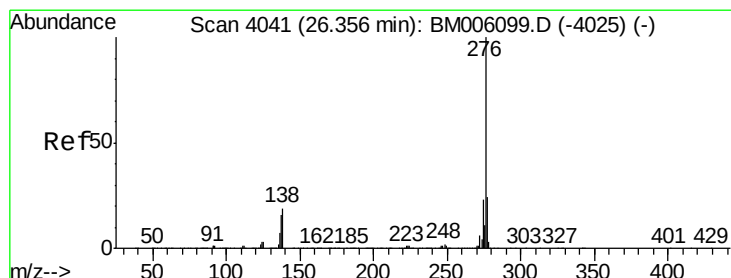
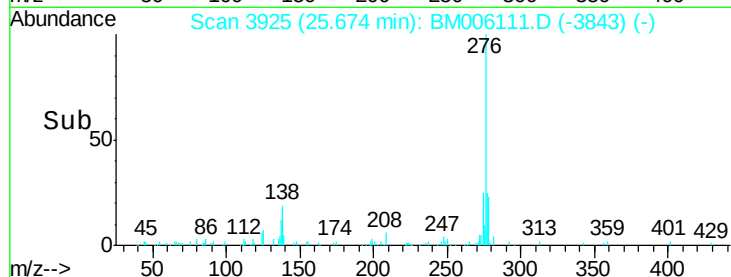
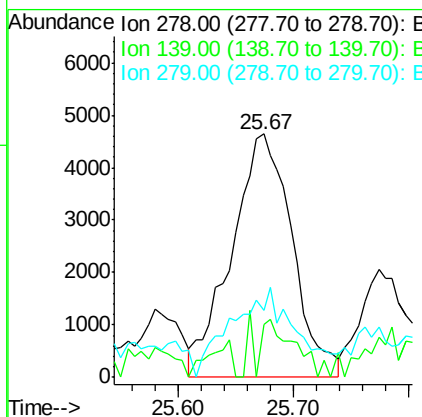
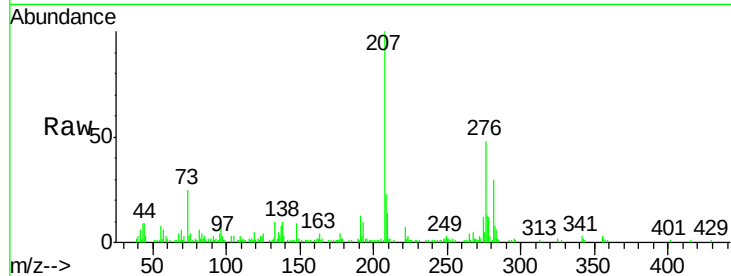
RT: 25.67 min Scan# 3925

Delta R.T. -0.02 min

Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

Tgt Ion:	278	Resp:	16952
Ion	Ratio	Lower	Upper
278	100		
139	21.8	13.0	19.4#
279	27.6	18.8	28.2



#41

Benzo(g,h,i)perylene

Concen: 0.92 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006111.D

Acq: 29 Jun 2016 00:26

Tgt Ion:	276	Resp:	53205
Ion	Ratio	Lower	Upper
276	100		
138	17.9	16.6	25.0
277	26.3	18.9	28.3

