

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006103.D
 Acq On : 28 Jun 2016 19:38
 Operator : UM/SJ
 Sample : H3779-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 00:58:51 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	197715	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	922234	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	583147	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1362323	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1360288	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1086969	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	5731	1.35	ng/uL	0.00
3) Phenol-d5	6.82	99	260179	16.11	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	168416	17.68	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	200810	16.20	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	219886	16.91	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	106534	17.15	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	116773	16.43	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	211046	16.27	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	259263	25.29	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	779918	18.66	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	932766	18.39	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	118815	14.98	ng/ul	0.00
21) Fluorene-d10	15.30	176	674134	18.90	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	75249	15.59	ng/ul	0.00
26) Anthracene-d10	17.15	188	1054621	19.30	ng/ul	0.00
30) Pyrene-d10	19.45	212	1197704	21.87	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	856705	19.81	ng/ul	0.00

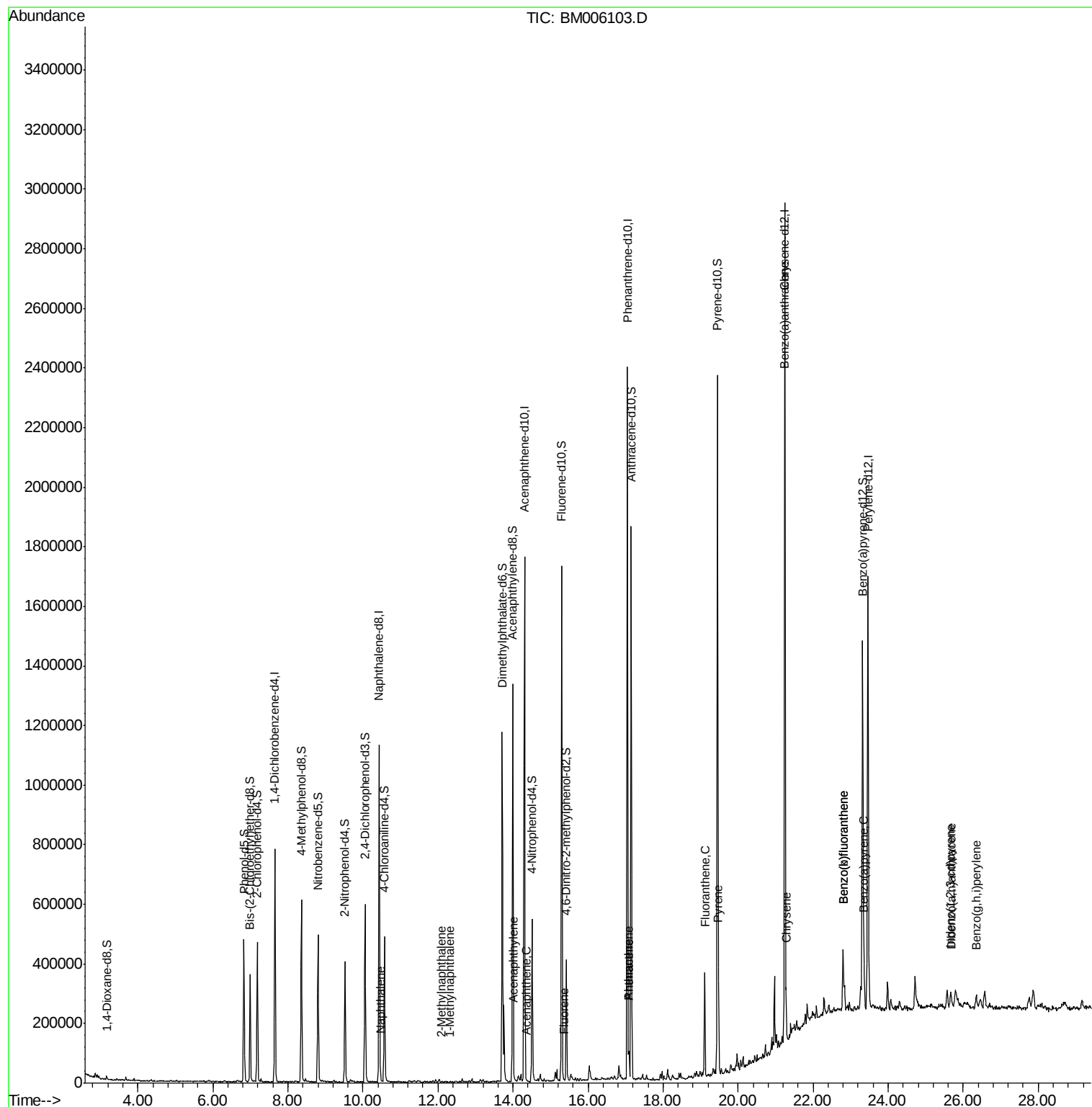
Target Compounds

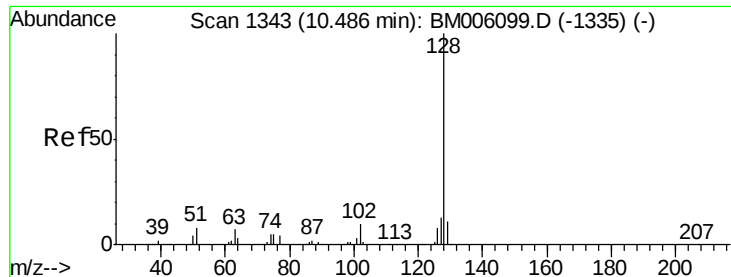
						Qvalue
11) Naphthalene	10.48	128	1821	0.05	ng/ul#	69
13) 2-Methylnaphthalene	12.10	142	1322	0.04	ng/ul	99
14) 1-Methylnaphthalene	12.33	142	1201	0.04	ng/ul#	87
18) Acenaphthylene	14.02	152	8428	0.16	ng/ul#	90
19) Acenaphthene	14.36	153	1174	0.03	ng/ul#	86
22) Fluorene	15.35	166	2089	0.05	ng/ul#	79
25) Phenanthrene	17.09	178	67005	1.04	ng/ul	96
27) Anthracene	17.09	178	67005	1.01	ng/ul	95
28) Fluoranthene	19.12	202	211627	2.68	ng/ul	99
31) Pyrene	19.48	202	166783	2.32	ng/ul	97
32) Benzo(a)anthracene	21.23	228	92650	1.31	ng/ul	98
33) Chrysene	21.28	228	102114	1.57	ng/ul	96
35) Benzo(b)fluoranthene	22.80	252	114711	2.03	ng/ul	96
36) Benzo(k)fluoranthene	22.80	252	114711	2.17	ng/ul	97
38) Benzo(a)pyrene	23.36	252	71497	1.34	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.67	276	51682	0.93	ng/ul#	93
40) Dibenzo(a,h)anthracene	25.68	278	7246	0.16	ng/ul#	89
41) Benzo(g,h,i)perylene	26.35	276	42034	0.91	ng/ul	97

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

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Misc :
ALS Vial : 6 Sample Multiplier: 1

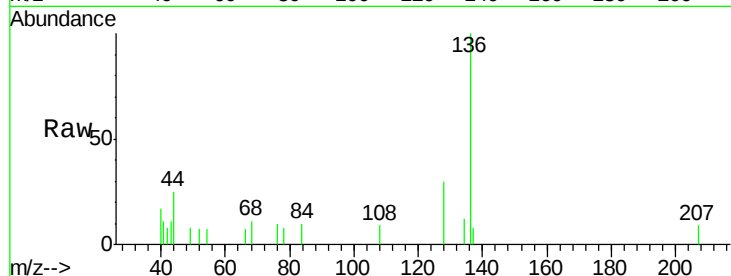
Quant Time: Jun 29 00:58:51 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration



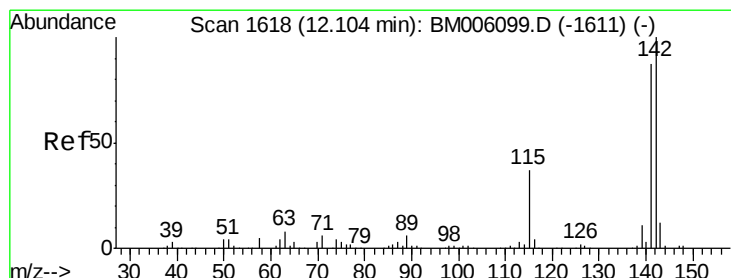
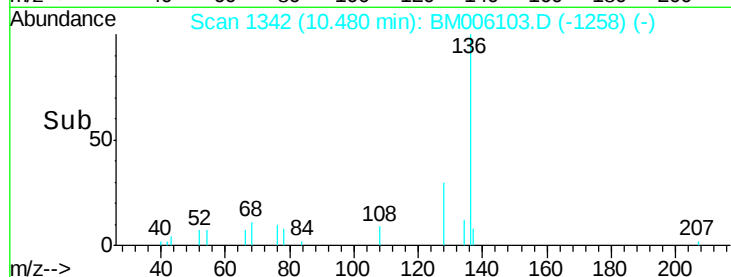
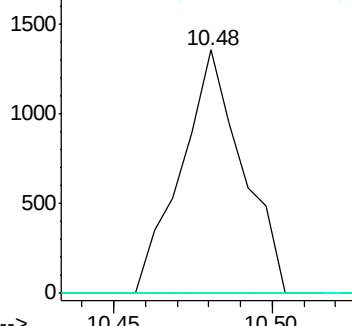


#11
Naphthalene
Concen: 0.05 ng/ul
RT: 10.48 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BM006103.D
Acq: 28 Jun 2016 19:38

Tgt Ion:128 Resp: 1821
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.5 15.7#

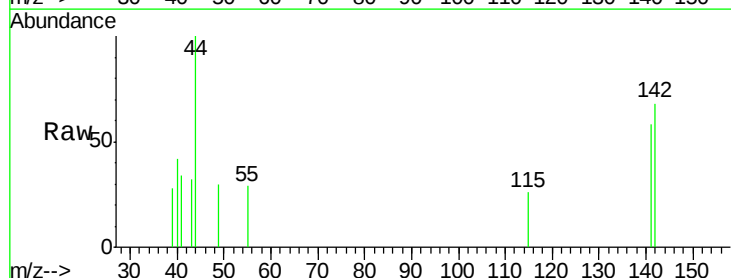


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

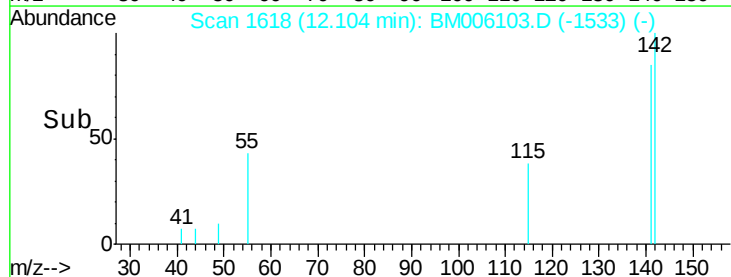
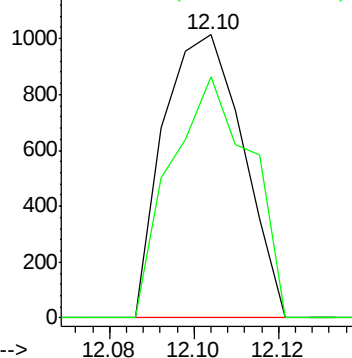


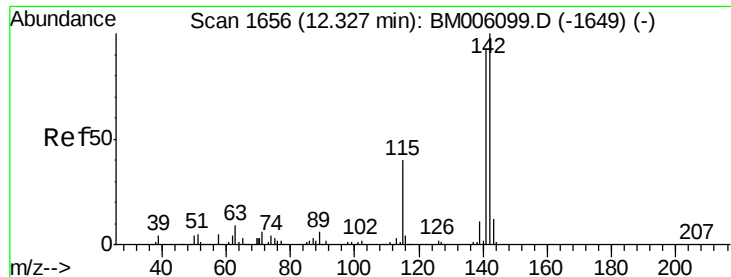
#13
2-Methylnaphthalene
Concen: 0.04 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BM006103.D
Acq: 28 Jun 2016 19:38

Tgt Ion:142 Resp: 1322
Ion Ratio Lower Upper
142 100
141 85.2 69.0 103.6



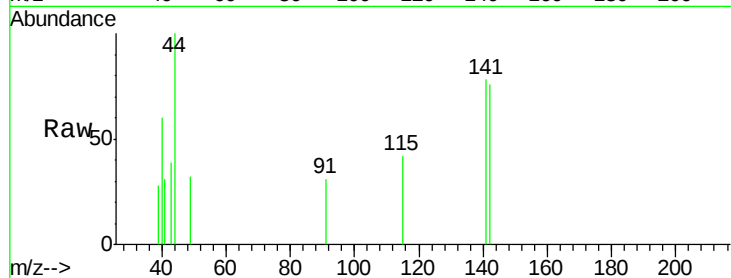
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



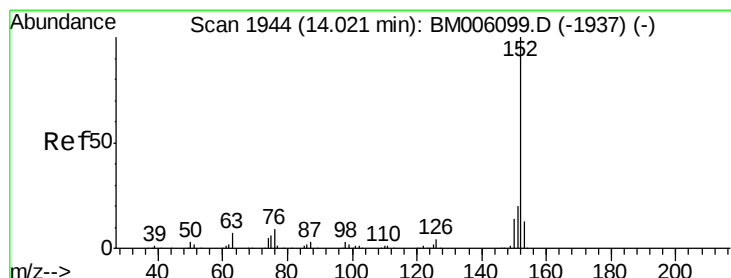
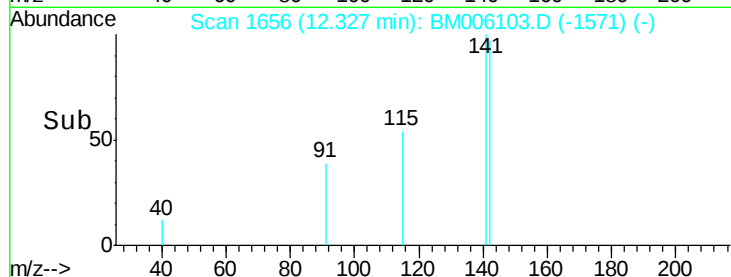
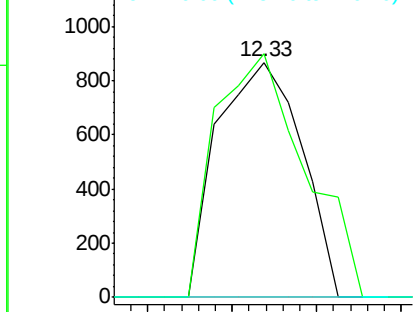


#14
1-Methylnaphthalene
Concen: 0.04 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006103.D
Acq: 28 Jun 2016 19:38

Tgt Ion:142 Resp: 1201
Ion Ratio Lower Upper
142 100
141 103.5 73.0 109.4
116 0.0 3.0 4.6#

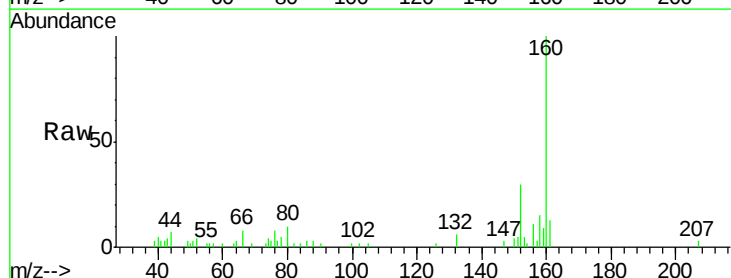


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

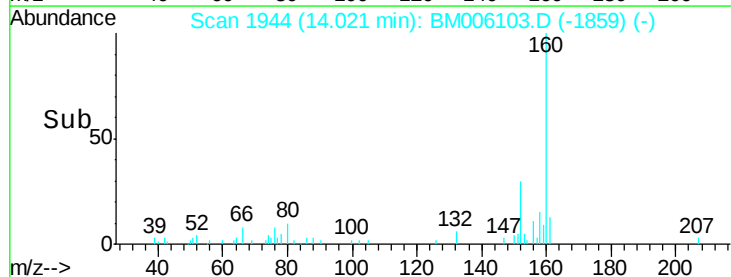
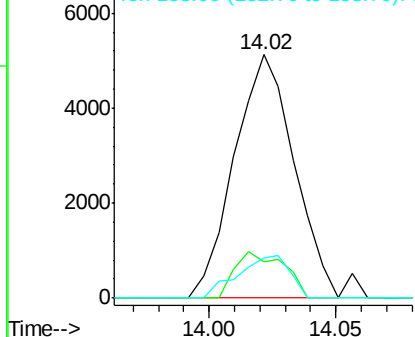


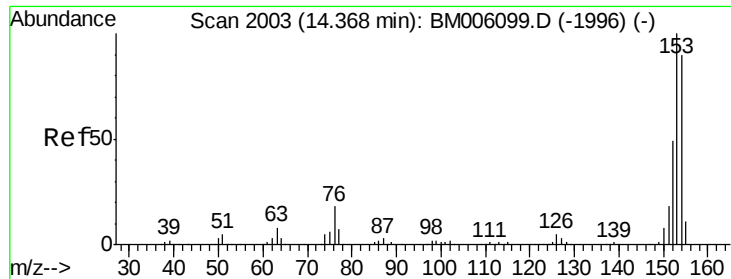
#18
Acenaphthylene
Concen: 0.16 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM006103.D
Acq: 28 Jun 2016 19:38

Tgt Ion:152 Resp: 8428
Ion Ratio Lower Upper
152 100
151 14.9 15.8 23.6#
153 16.3 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: 0.03 ng/ul

RT: 14.36 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

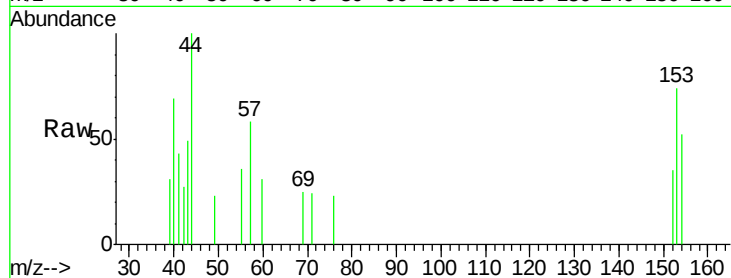
Tgt Ion:153 Resp: 1174

Ion Ratio Lower Upper

153 100

152 46.6 38.1 57.1

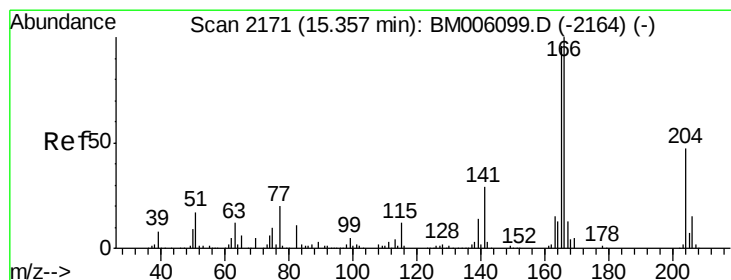
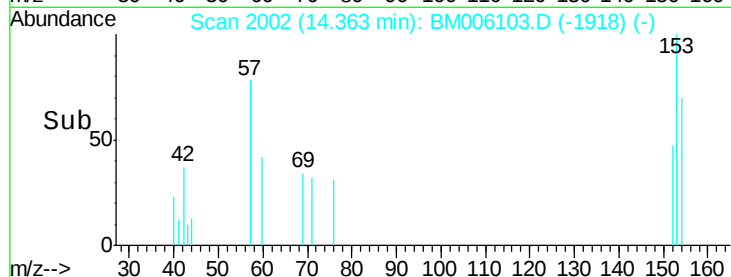
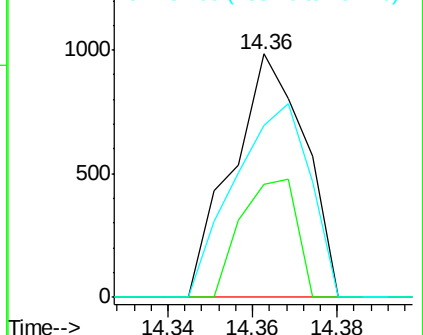
154 70.4 71.6 107.4#



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: 0.05 ng/ul

RT: 15.35 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

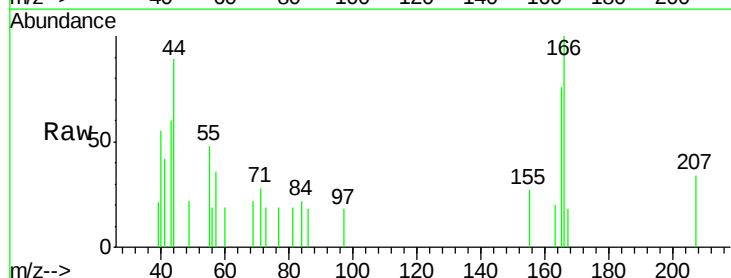
Tgt Ion:166 Resp: 2089

Ion Ratio Lower Upper

166 100

165 76.3 78.4 117.6#

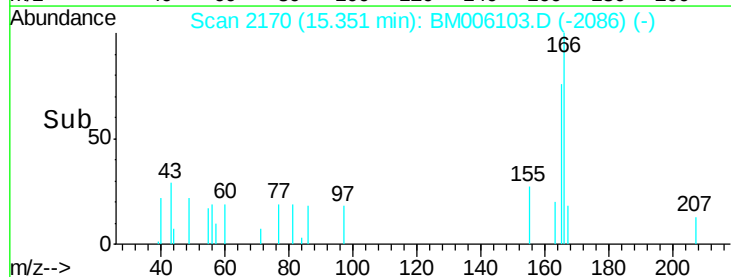
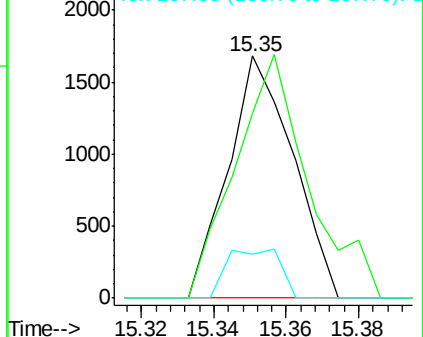
167 18.0 10.6 16.0#

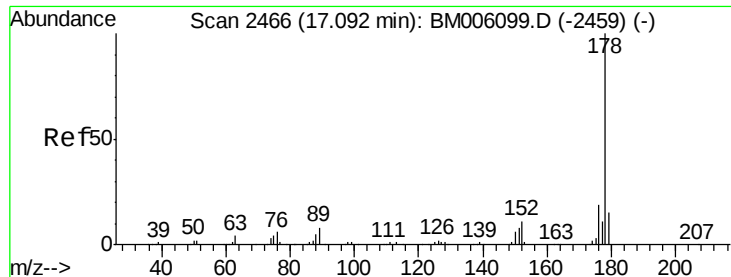


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 1.04 ng/ul

RT: 17.09 min Scan# 2466

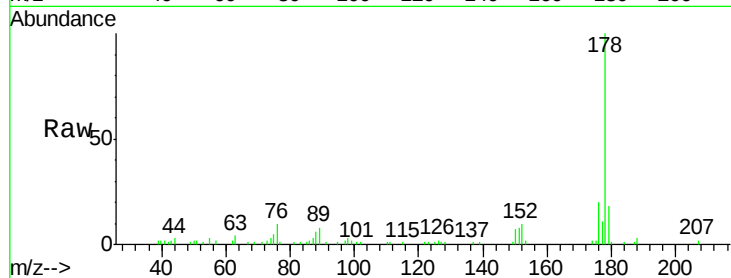
Delta R.T. 0.00 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

Tgt Ion:178 Resp: 67005

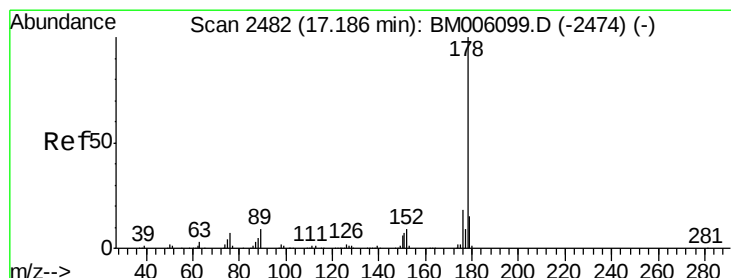
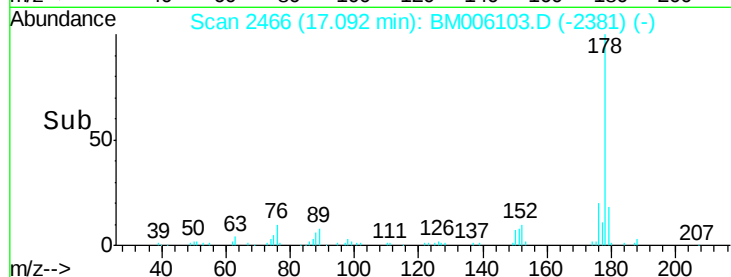
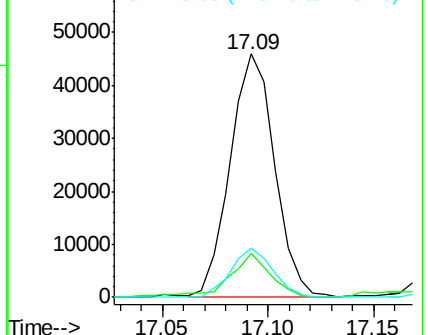
Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.2	18.2
176	20.3	15.3	22.9



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: 1.01 ng/ul

RT: 17.09 min Scan# 2466

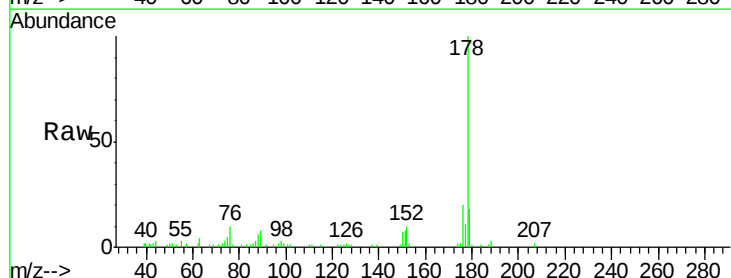
Delta R.T. -0.09 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

Tgt Ion:178 Resp: 67005

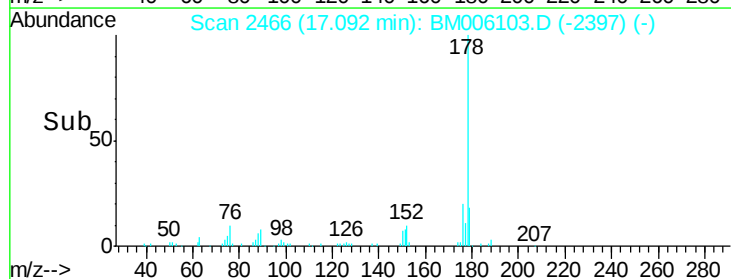
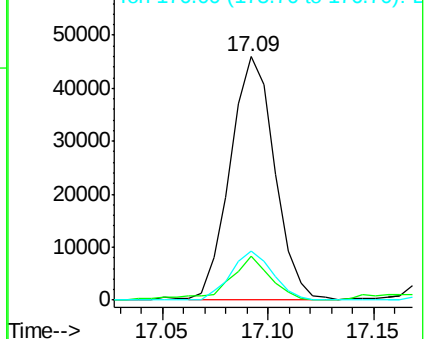
Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.3	18.5
176	20.3	14.6	22.0

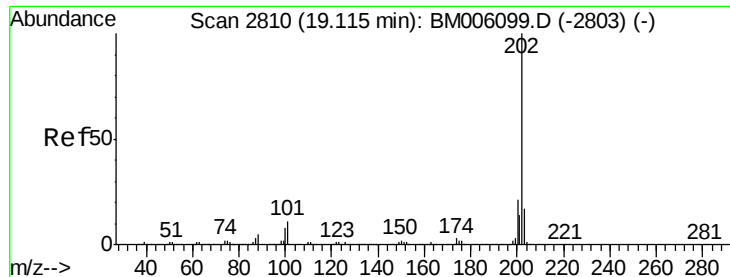


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

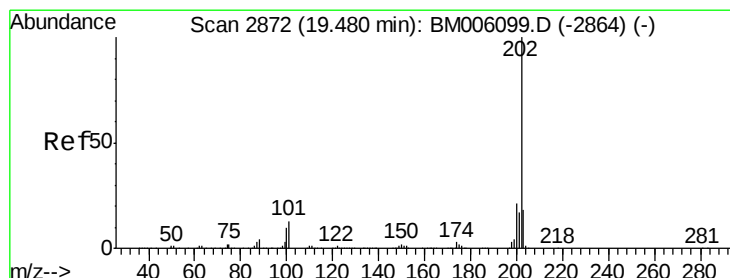
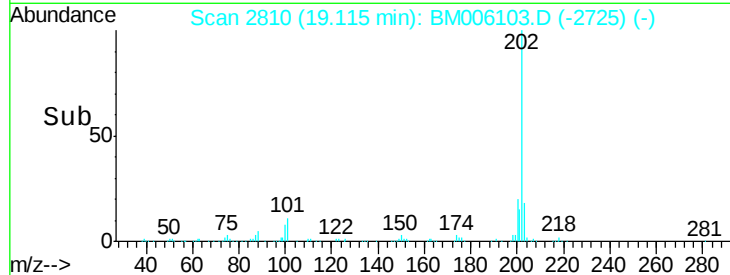
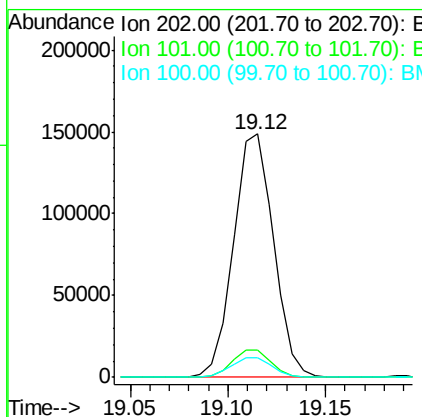
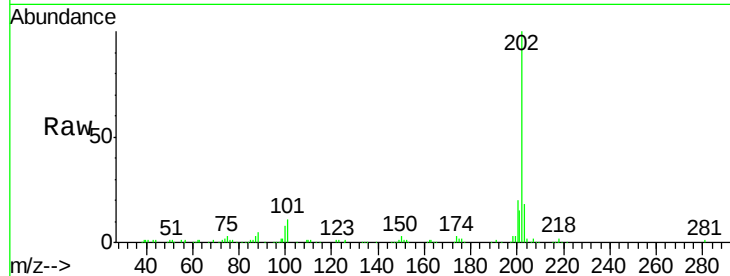
Ion 176.00 (175.70 to 176.70): E





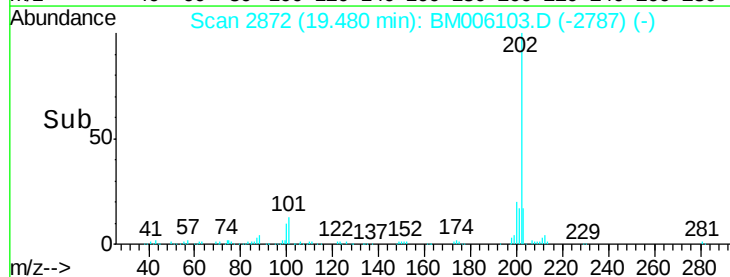
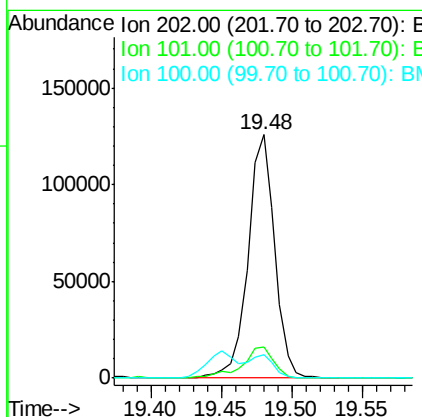
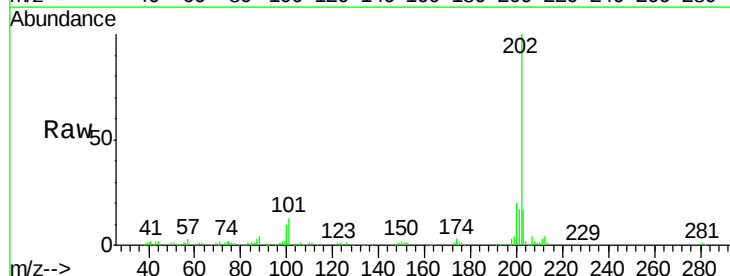
#28
Fluoranthene
Concen: 2.68 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. 0.00 min
Lab File: BM006103.D
Acq: 28 Jun 2016 19:38

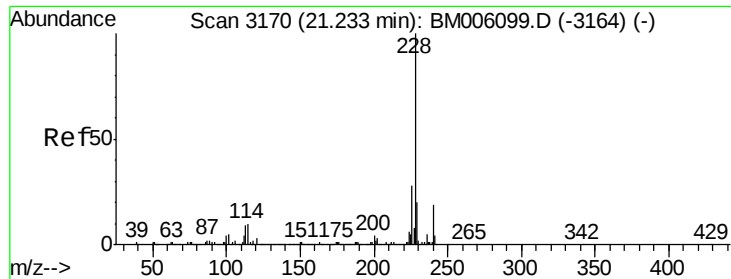
Tgt Ion:	202	Resp:	211627
Ion Ratio	Lower	Upper	
202	100		
101	11.0	8.5	12.7
100	7.9	6.5	9.7



#31
Pyrene
Concen: 2.32 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BM006103.D
Acq: 28 Jun 2016 19:38

Tgt Ion:	202	Resp:	166783
Ion Ratio	Lower	Upper	
202	100		
101	12.9	11.0	16.4
100	9.9	8.9	13.3





#32

Benzo(a)anthracene

Concen: 1.31 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

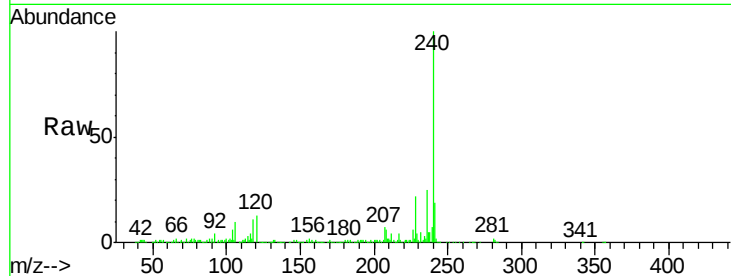
Tgt Ion:228 Resp: 92650

Ion Ratio Lower Upper

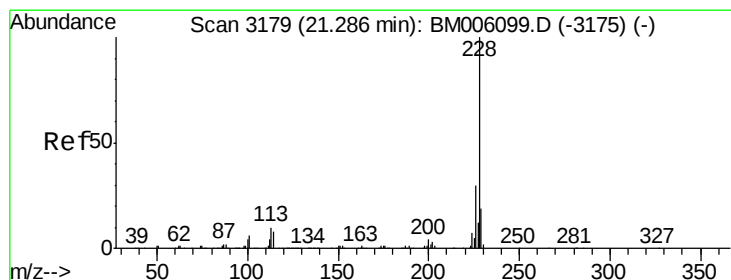
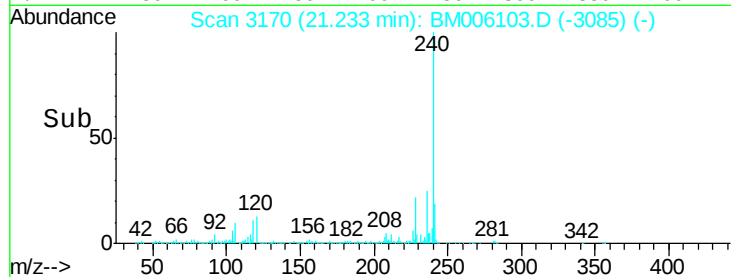
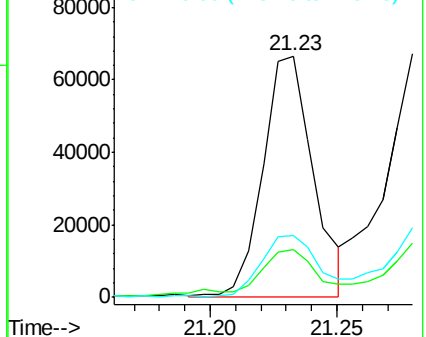
228 100

229 19.7 15.6 23.4

226 25.7 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: 1.57 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

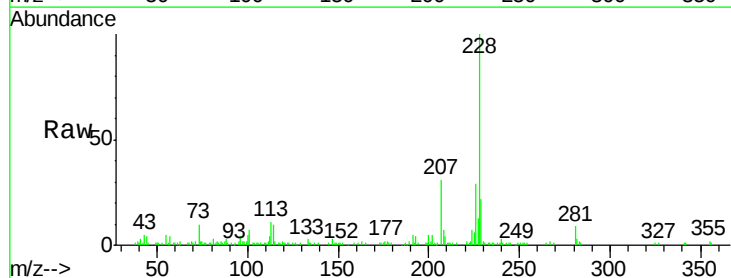
Tgt Ion:228 Resp: 102114

Ion Ratio Lower Upper

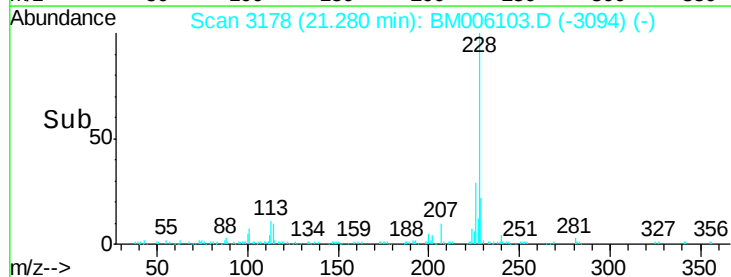
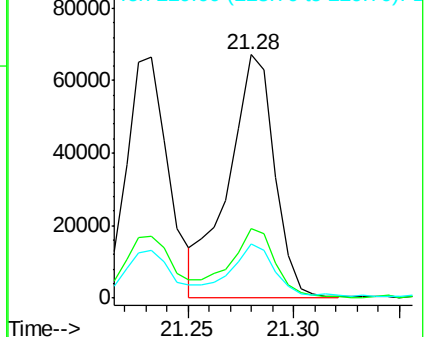
228 100

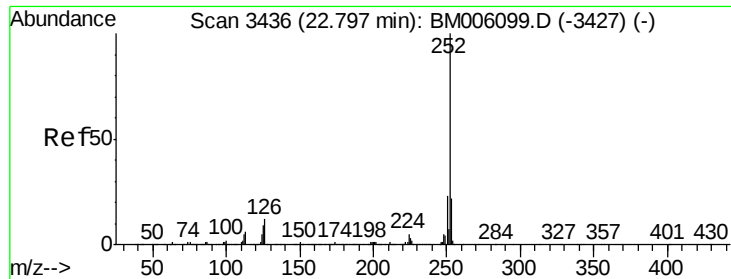
226 28.6 23.8 35.6

229 22.4 15.8 23.6



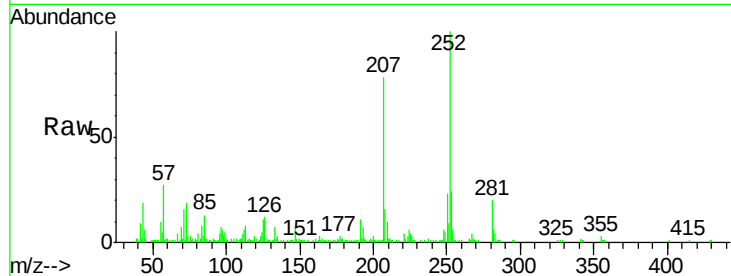
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#35
Benzo(b)fluoranthene
Concen: 2.03 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. -0.00 min
Lab File: BM006103.D
Acq: 28 Jun 2016 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	10.6	7.8	11.6

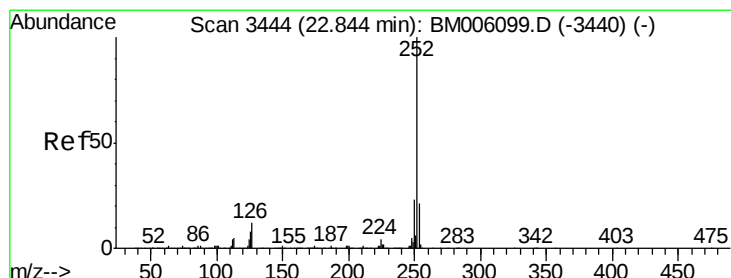
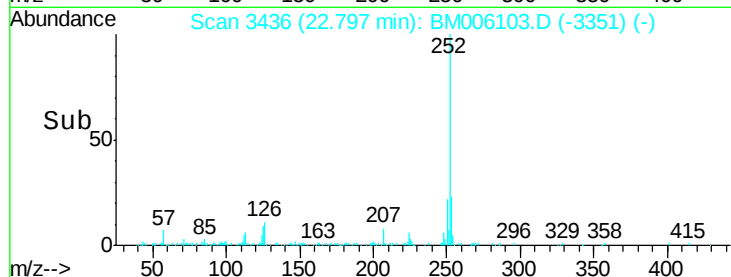
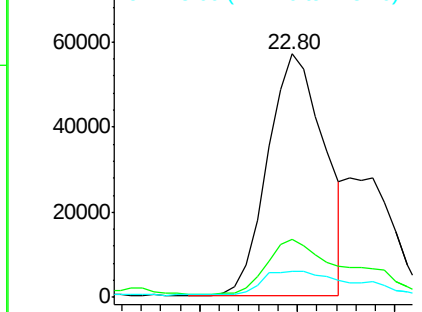


Abundance

Ion 252.00 (251.70 to 252.70): E

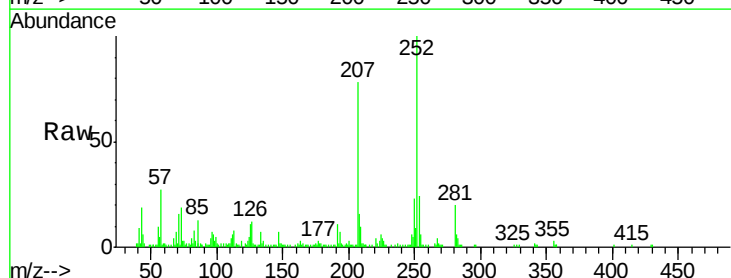
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36
Benzo(k)fluoranthene
Concen: 2.17 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. -0.05 min
Lab File: BM006103.D
Acq: 28 Jun 2016 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	10.6	8.1	12.1

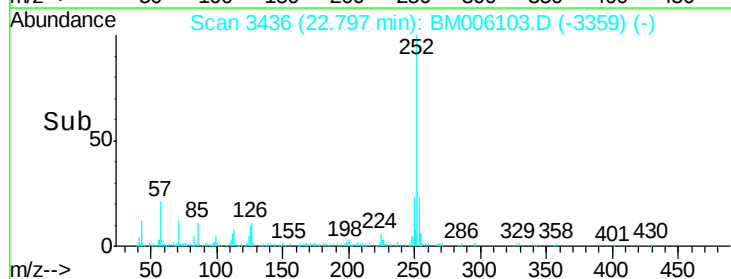
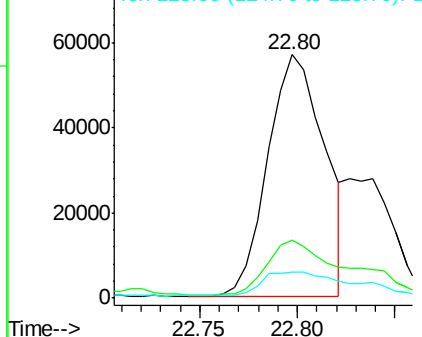


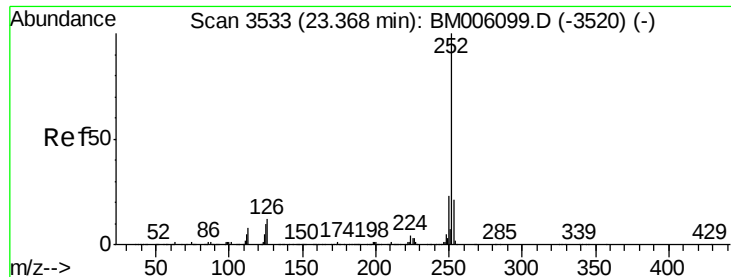
Abundance

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: 1.34 ng/ul

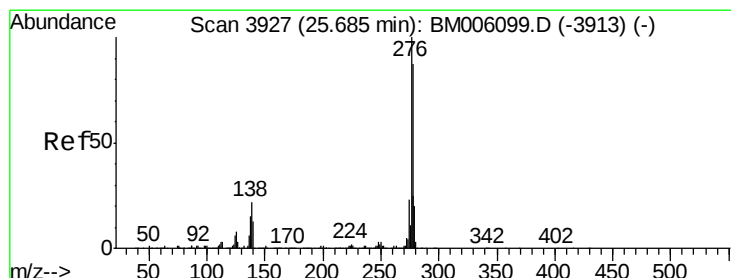
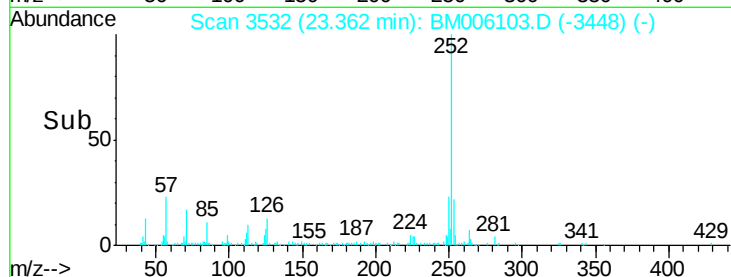
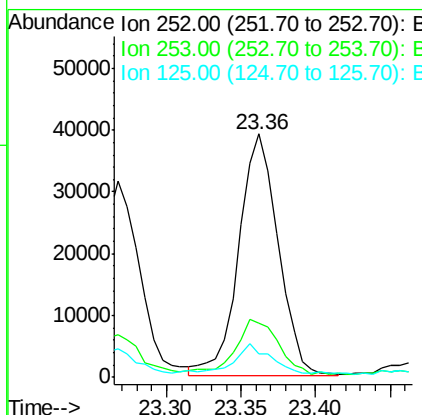
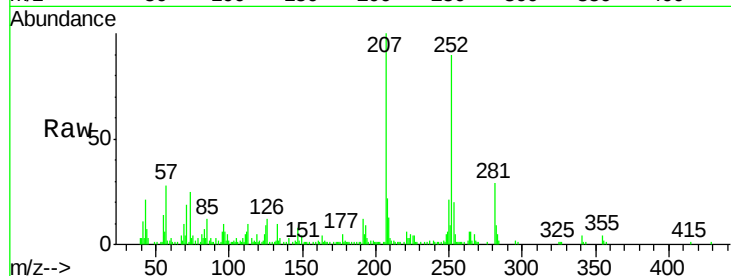
RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

Tgt Ion:	252	Resp:	71497
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	9.6	8.7	13.1



#39

Indeno(1,2,3-cd)pyrene

Concen: 0.93 ng/ul

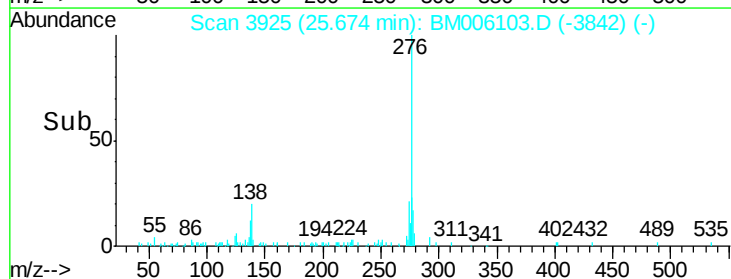
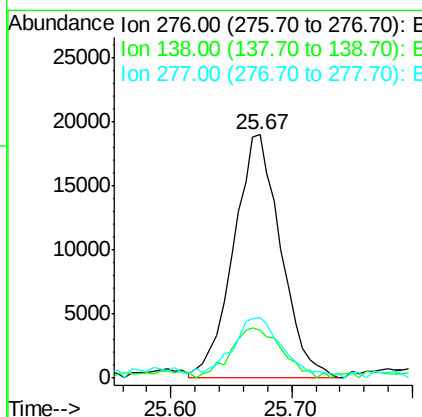
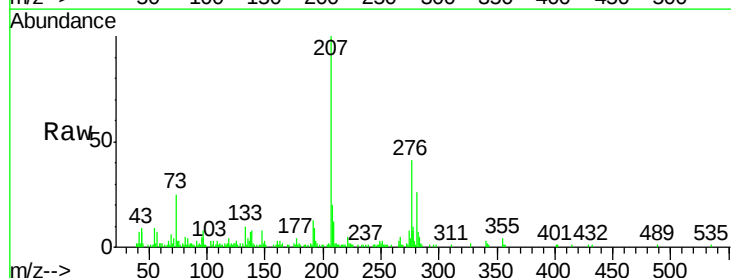
RT: 25.67 min Scan# 3925

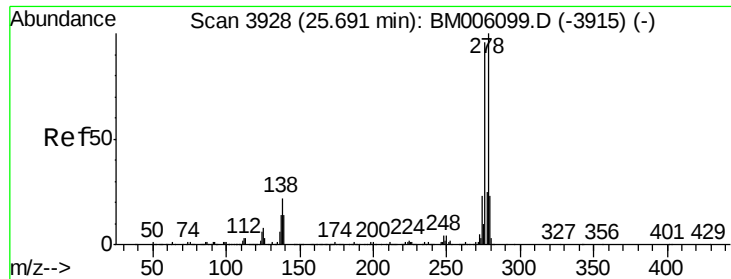
Delta R.T. -0.01 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

Tgt Ion:	276	Resp:	51682
Ion	Ratio	Lower	Upper
276	100		
138	19.7	20.4	30.6#
277	24.7	20.6	30.8





#40

Dibenzo(a,h)anthracene

Concen: 0.16 ng/ul

RT: 25.68 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

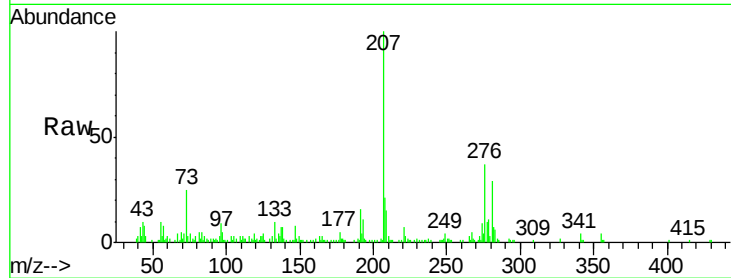
Tgt Ion: 278 Resp: 7246

Ion Ratio Lower Upper

278 100

139 18.0 13.0 19.4

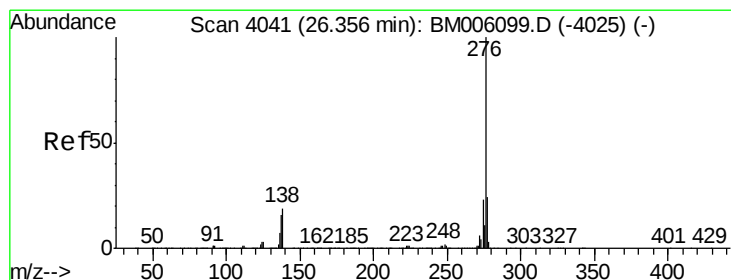
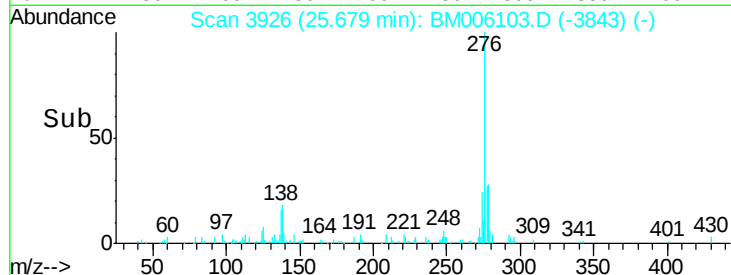
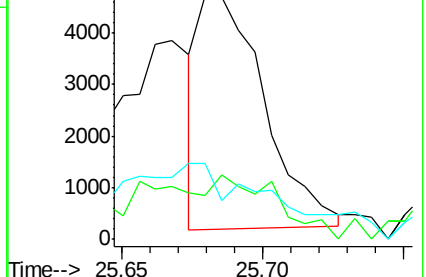
279 31.2 18.8 28.2#



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: 0.91 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006103.D

Acq: 28 Jun 2016 19:38

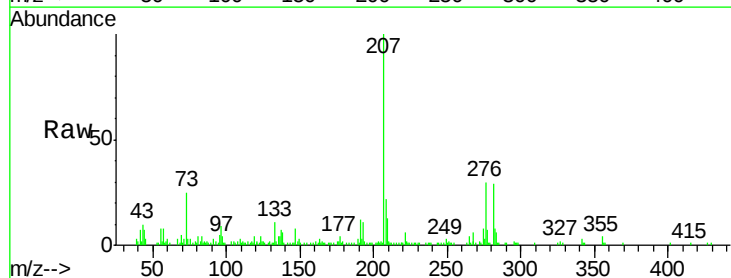
Tgt Ion: 276 Resp: 42034

Ion Ratio Lower Upper

276 100

138 19.7 16.6 25.0

277 24.9 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

