

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006100.D
 Acq On : 28 Jun 2016 17:49
 Operator : UM/SJ
 Sample : PB91649BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 00:58:16 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	185804	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	858368	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	548864	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1309122	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1510249	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1309580	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	14344	3.59	ng/uL	0.00
3) Phenol-d5	6.83	99	563704	37.14	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	367365	41.05	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	441298	37.88	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	476313	38.99	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	237725	41.12	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	268859	40.63	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	455254	37.71	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	691070	72.42	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1676907	42.62	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1951927	40.88	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	295920	39.64	ng/ul	0.00
21) Fluorene-d10	15.30	176	1351038	40.24	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	138936	29.96	ng/ul	0.00
26) Anthracene-d10	17.15	188	2191787	41.73	ng/ul	0.00
30) Pyrene-d10	19.45	212	2481882	40.81	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	2218004	42.56	ng/ul	0.00

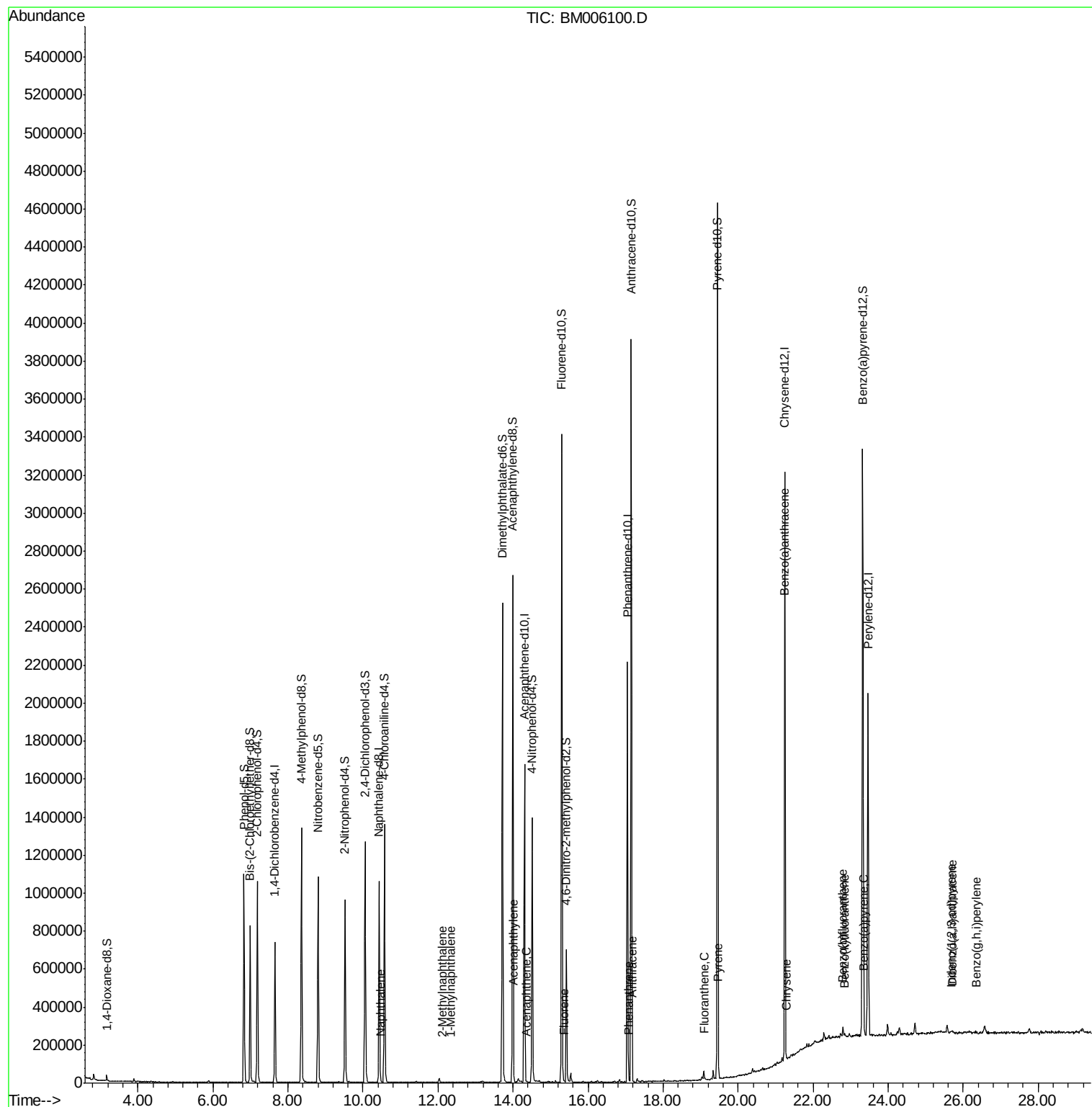
Target Compounds

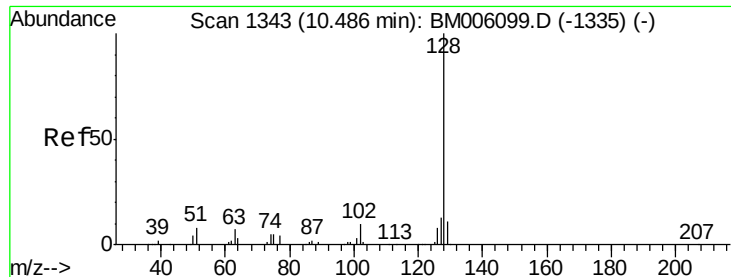
					Qvalue	
11) Naphthalene	10.49	128	2154	0.06	ng/ul#	69
13) 2-Methylnaphthalene	12.11	142	1565	0.05	ng/ul	87
14) 1-Methylnaphthalene	12.33	142	867	0.03	ng/ul#	85
18) Acenaphthylene	14.02	152	3738	0.07	ng/ul#	91
19) Acenaphthene	14.36	153	2294	0.07	ng/ul#	89
22) Fluorene	15.35	166	2929	0.08	ng/ul#	86
25) Phenanthrene	17.09	178	4749	0.08	ng/ul#	73
27) Anthracene	17.18	178	4867	0.08	ng/ul#	89
28) Fluoranthene	19.12	202	5901	0.08	ng/ul#	84
31) Pyrene	19.48	202	6525	0.08	ng/ul	98
32) Benzo(a)anthracene	21.23	228	10428	0.13	ng/ul	97
33) Chrysene	21.29	228	6412	0.09	ng/ul	96
35) Benzo(b)fluoranthene	22.80	252	7091	0.10	ng/ul#	74
36) Benzo(k)fluoranthene	22.84	252	6817	0.11	ng/ul#	67
38) Benzo(a)pyrene	23.36	252	6067	0.09	ng/ul#	70
39) Indeno(1,2,3-cd)pyrene	25.67	276	6333	0.09	ng/ul#	86
40) Dibenzo(a,h)anthracene	25.69	278	2945	0.05	ng/ul#	69
41) Benzo(g,h,i)perylene	26.35	276	5142	0.09	ng/ul#	77

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

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Sample : PB91649BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

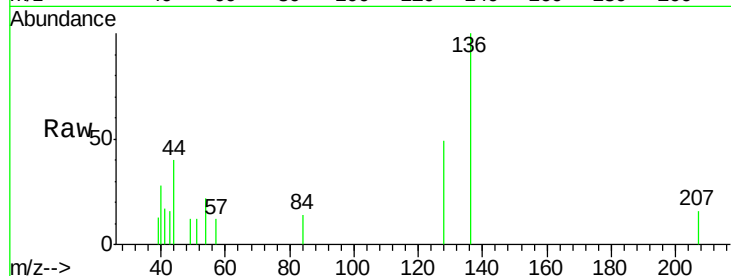
Quant Time: Jun 29 00:58:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration



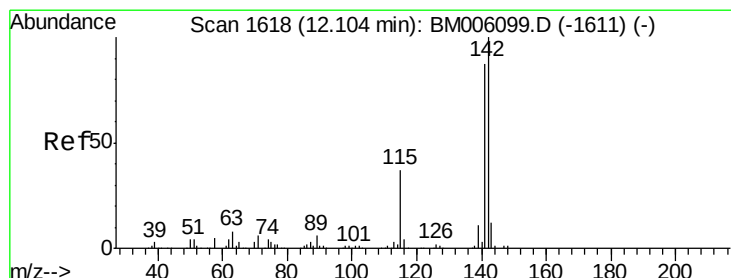
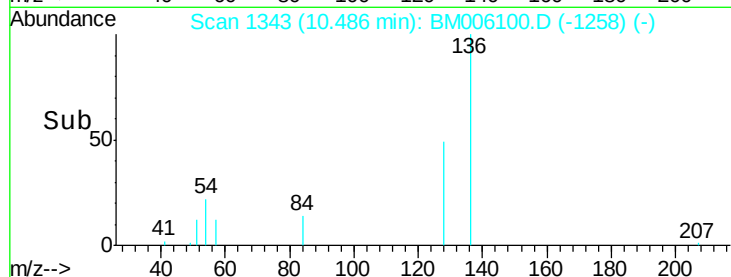
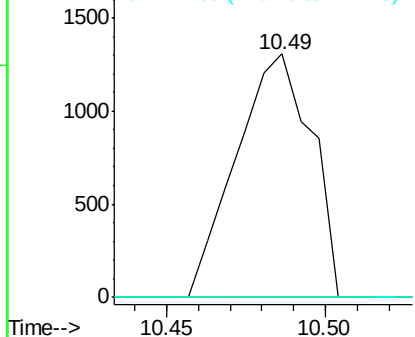


#11
Naphthalene
Concen: 0.06 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006100.D
Acq: 28 Jun 2016 17:49

Tgt Ion:128 Resp: 2154
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.5 15.7#

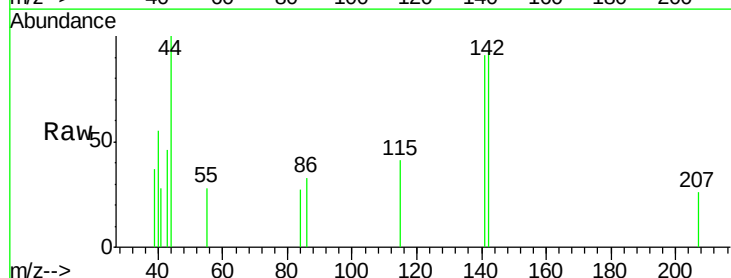


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

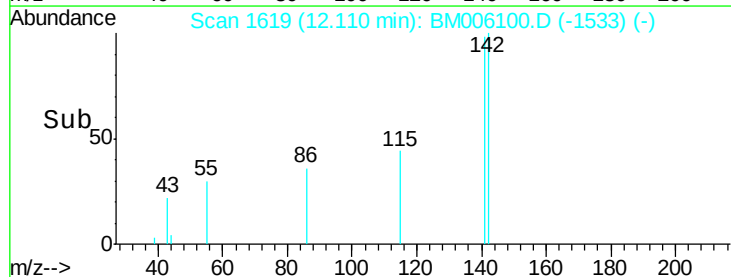
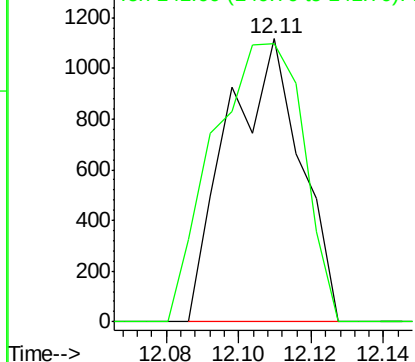


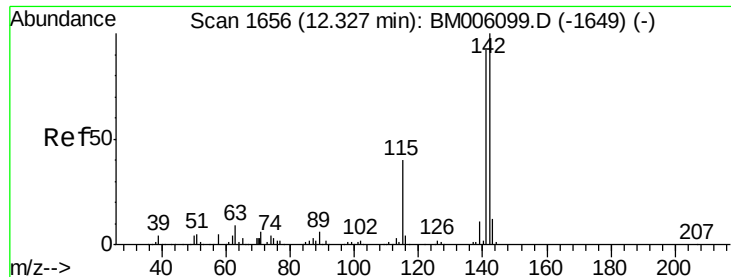
#13
2-Methylnaphthalene
Concen: 0.05 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM006100.D
Acq: 28 Jun 2016 17:49

Tgt Ion:142 Resp: 1565
Ion Ratio Lower Upper
142 100
141 98.4 69.0 103.6



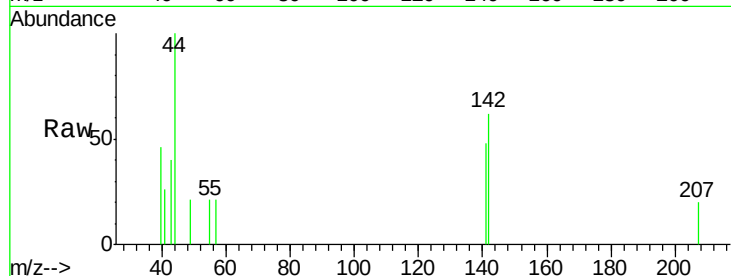
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



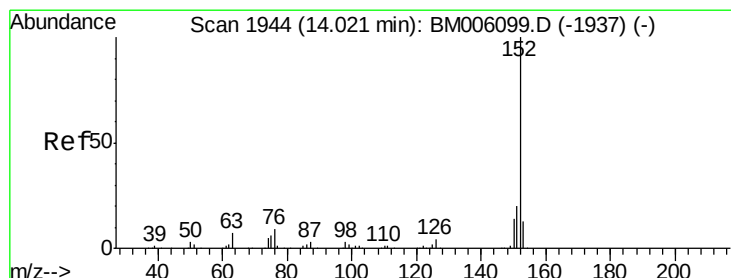
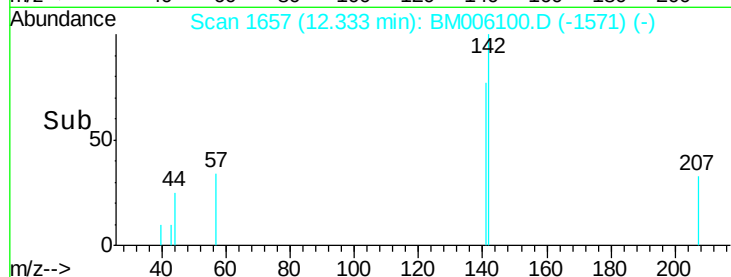
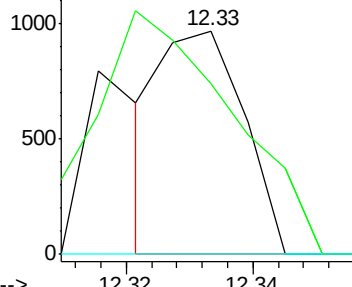


#14
1-Methylnaphthalene
Concen: 0.03 ng/ul
RT: 12.33 min Scan# 1657
Delta R.T. 0.01 min
Lab File: BM006100.D
Acq: 28 Jun 2016 17:49

Tgt Ion:142 Resp: 867
Ion Ratio Lower Upper
142 100
141 76.7 73.0 109.4
116 0.0 3.0 4.6#

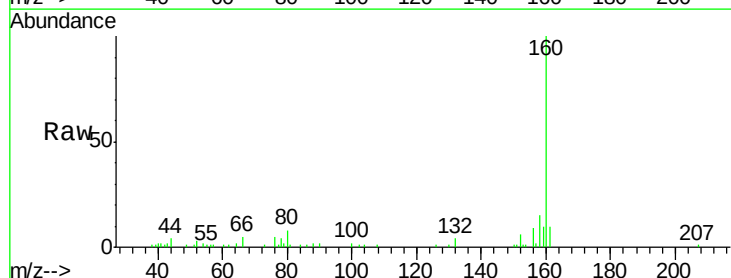


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

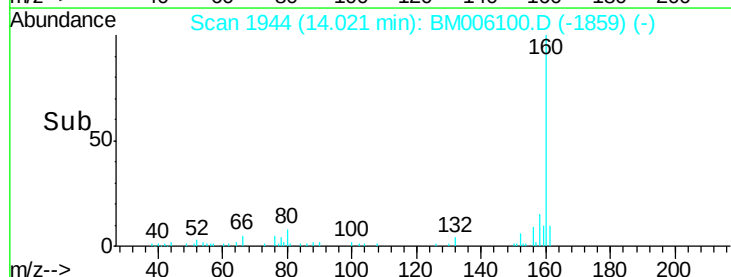
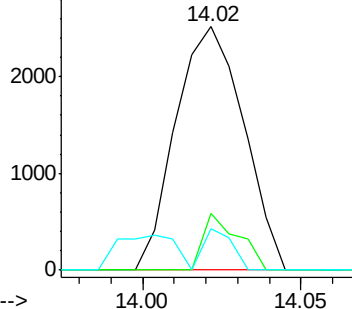


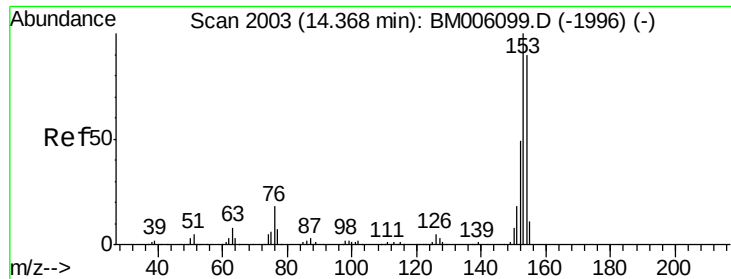
#18
Acenaphthylene
Concen: 0.07 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM006100.D
Acq: 28 Jun 2016 17:49

Tgt Ion:152 Resp: 3738
Ion Ratio Lower Upper
152 100
151 23.2 15.8 23.6
153 17.1 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: 0.07 ng/ul

RT: 14.36 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

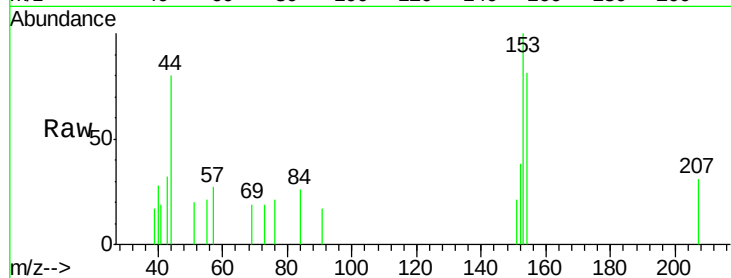
Tgt Ion:153 Resp: 2294

Ion Ratio Lower Upper

153 100

152 38.1 38.1 57.1#

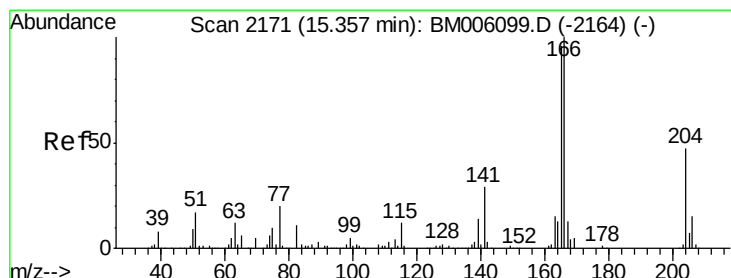
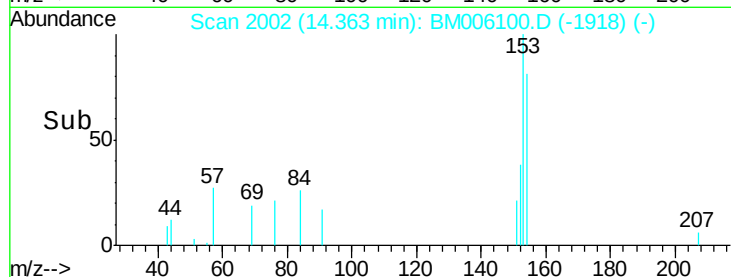
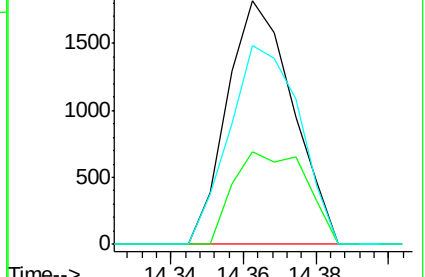
154 81.4 71.6 107.4



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: 0.08 ng/ul

RT: 15.35 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

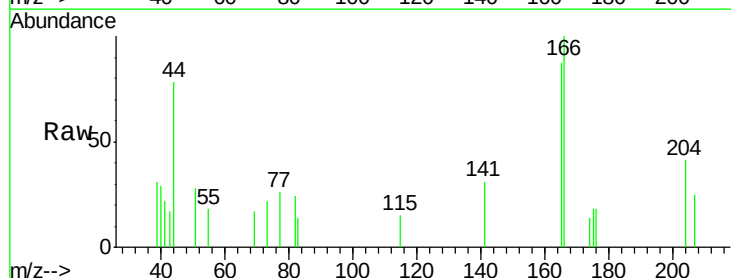
Tgt Ion:166 Resp: 2929

Ion Ratio Lower Upper

166 100

165 86.6 78.4 117.6

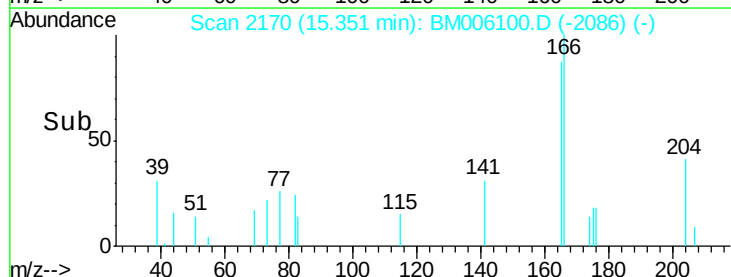
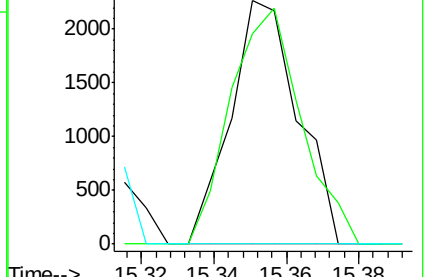
167 0.0 10.6 16.0#

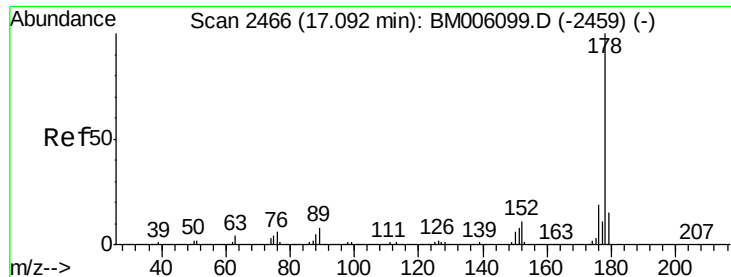


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

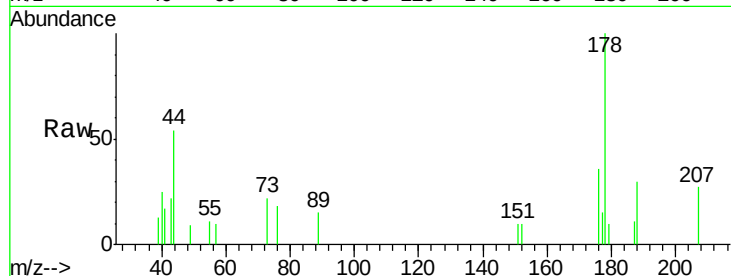
Tgt Ion:178 Resp: 4749

Ion Ratio Lower Upper

178 100

179 9.7 12.2 18.2#

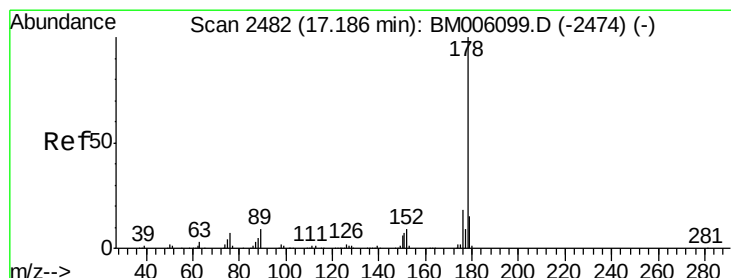
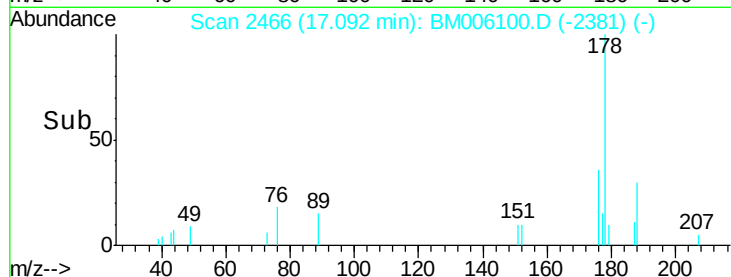
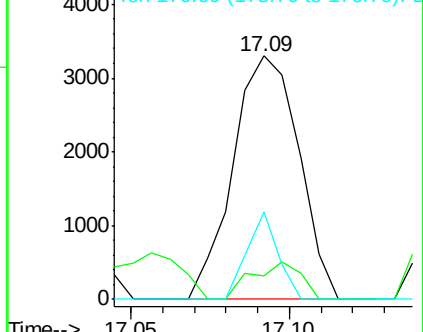
176 36.1 15.3 22.9#



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: 0.08 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

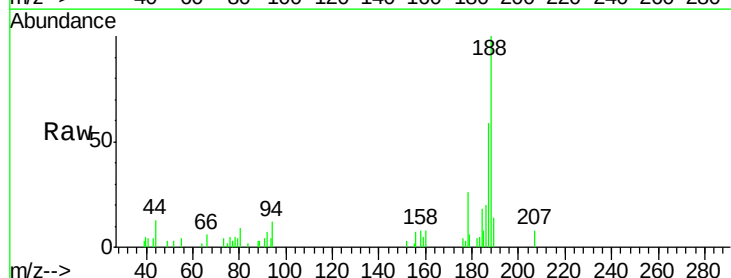
Tgt Ion:178 Resp: 4867

Ion Ratio Lower Upper

178 100

179 24.5 12.3 18.5#

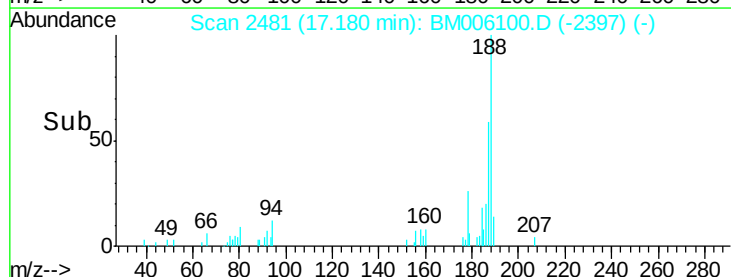
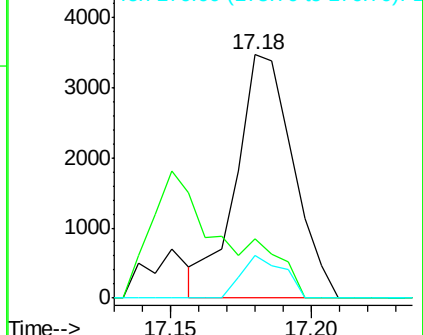
176 17.6 14.6 22.0

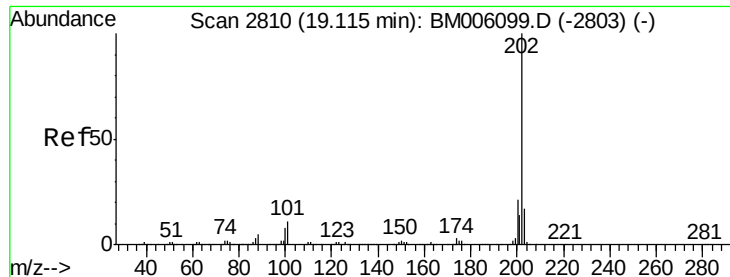


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

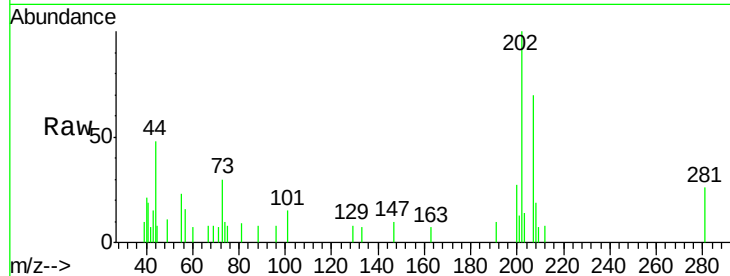
Ion 176.00 (175.70 to 176.70): E



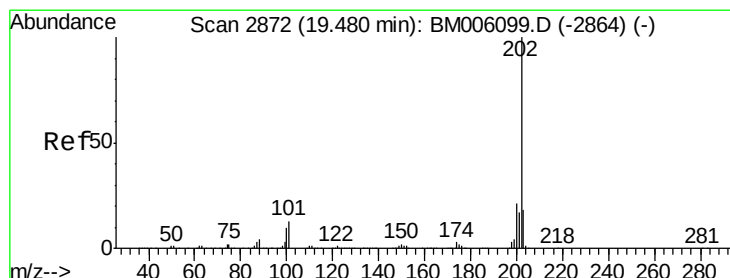
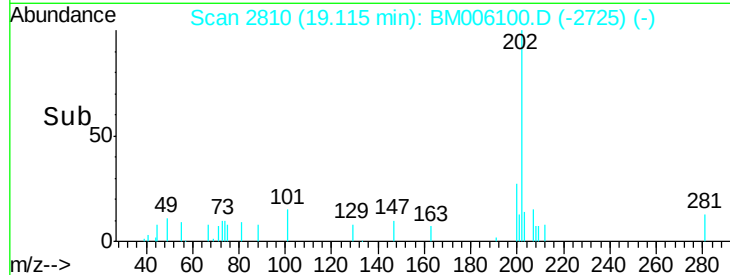
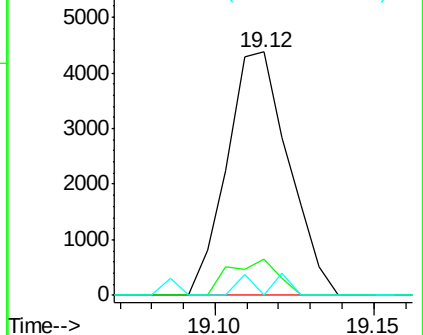


#28
Fluoranthene
Concen: 0.08 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BM006100.D
Acq: 28 Jun 2016 17:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	8.5	12.7#
100	0.0	6.5	9.7#

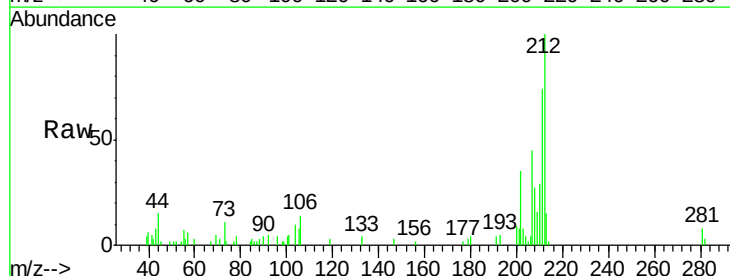


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

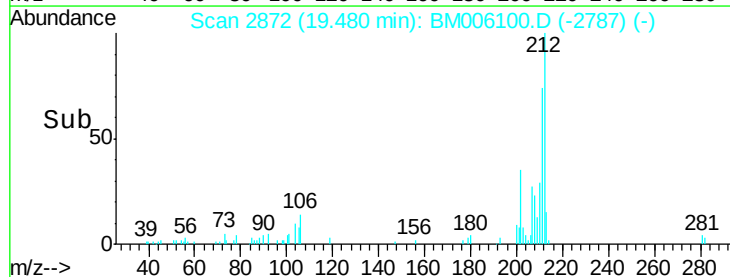
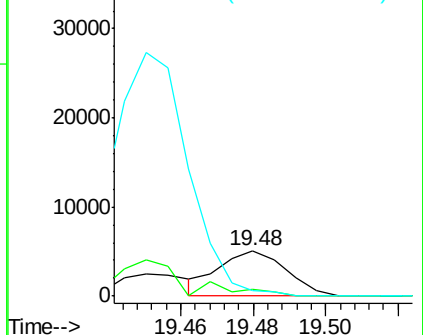


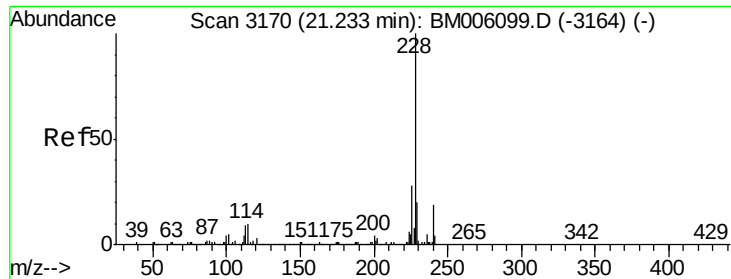
#31
Pyrene
Concen: 0.08 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BM006100.D
Acq: 28 Jun 2016 17:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	11.0	16.4
100	12.2	8.9	13.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 0.13 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

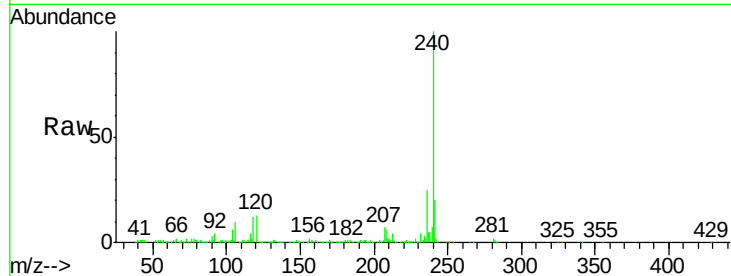
Tgt Ion:228 Resp: 10428

Ion Ratio Lower Upper

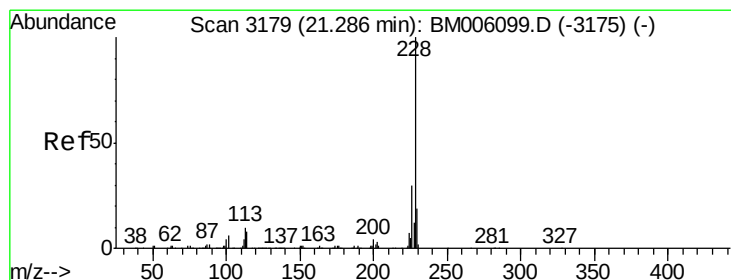
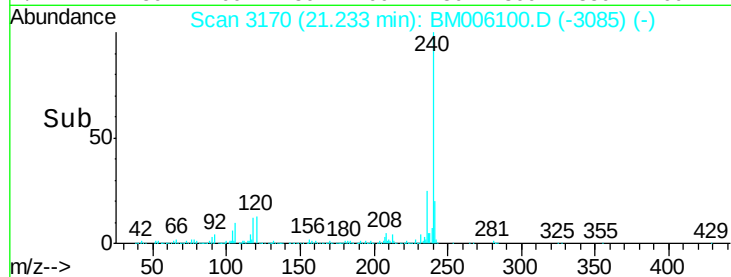
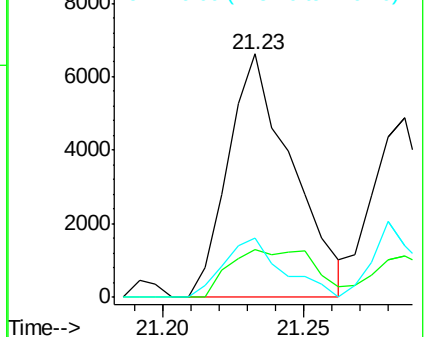
228 100

229 19.5 15.6 23.4

226 24.2 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: 0.09 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

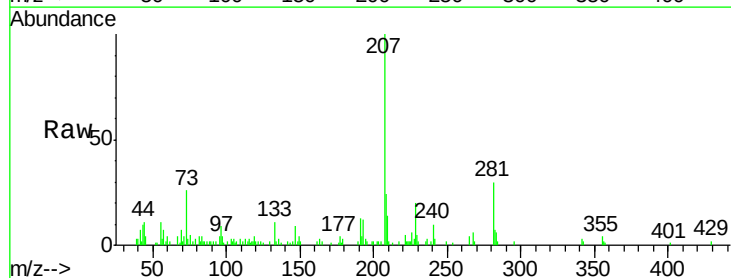
Tgt Ion:228 Resp: 6412

Ion Ratio Lower Upper

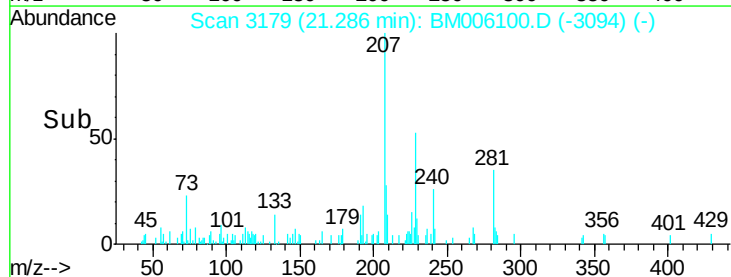
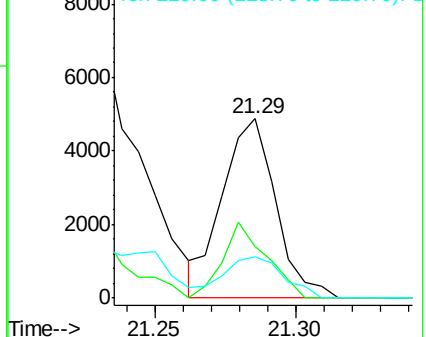
228 100

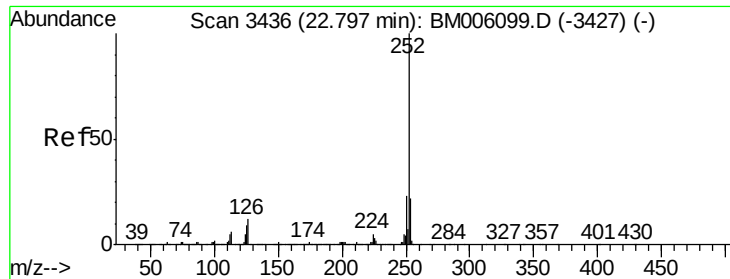
226 28.5 23.8 35.6

229 22.9 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: 0.10 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

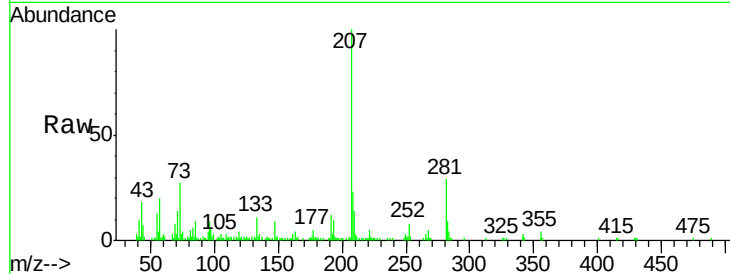
Tgt Ion:252 Resp: 7091

Ion Ratio Lower Upper

252 100

253 31.1 17.2 25.8#

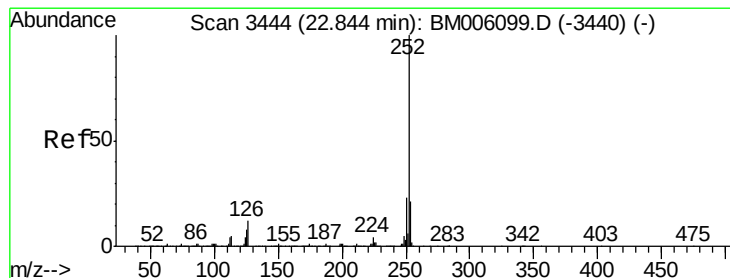
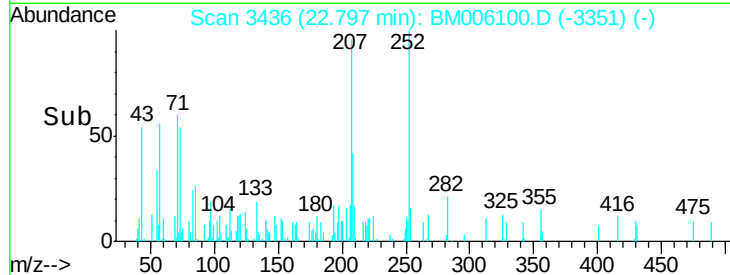
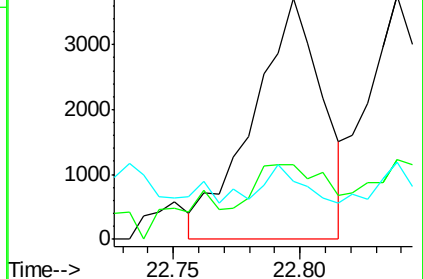
125 24.3 7.8 11.6#



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: 0.11 ng/ul

RT: 22.84 min Scan# 3443

Delta R.T. -0.01 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

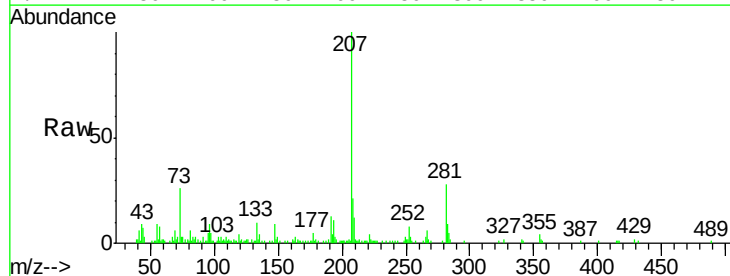
Tgt Ion:252 Resp: 6817

Ion Ratio Lower Upper

252 100

253 32.5 17.6 26.4#

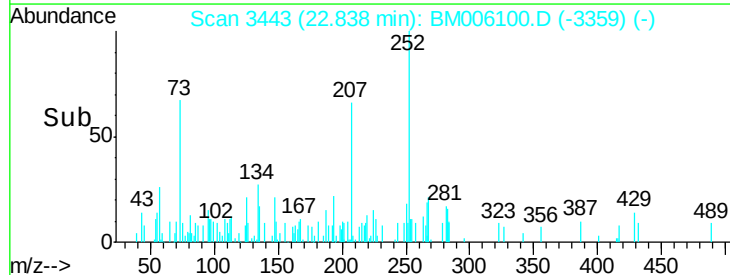
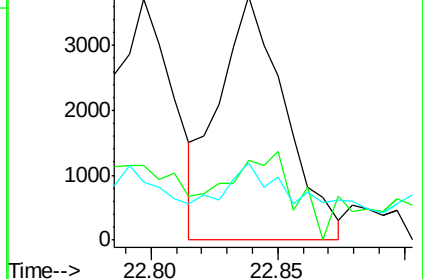
125 31.6 8.1 12.1#

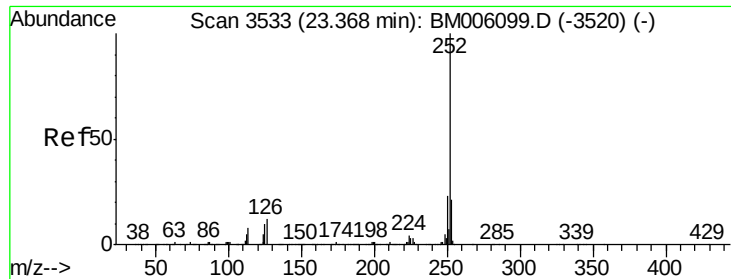


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 0.09 ng/ul

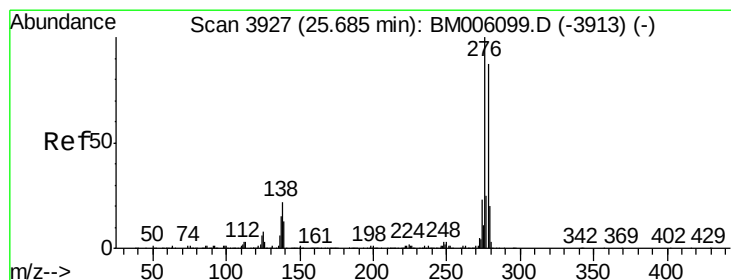
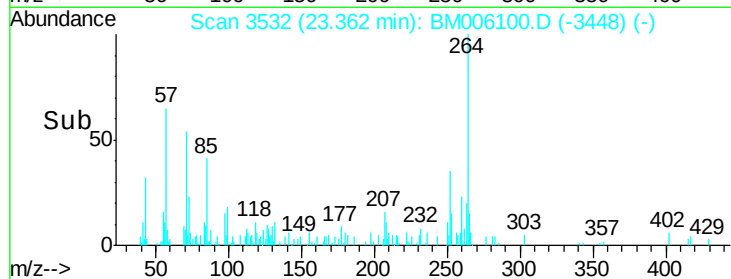
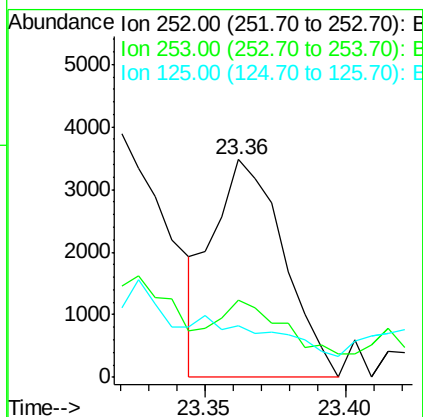
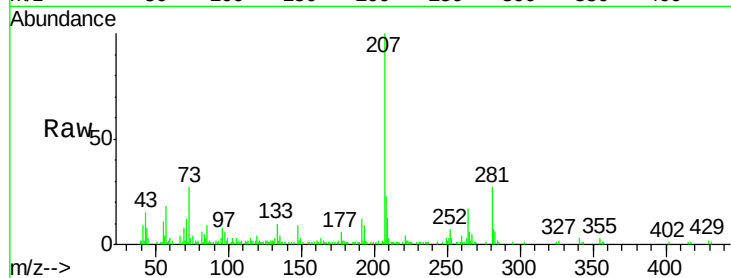
RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

Tgt Ion:	252	Resp:	6067
Ion Ratio	Lower	Upper	
252	100		
253	35.2	17.8	26.6#
125	23.8	8.7	13.1#



#39

Indeno(1,2,3-cd)pyrene

Concen: 0.09 ng/ul

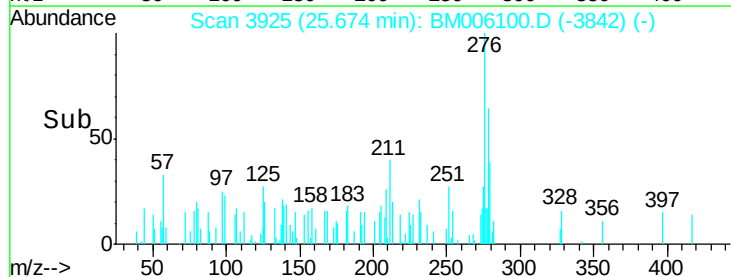
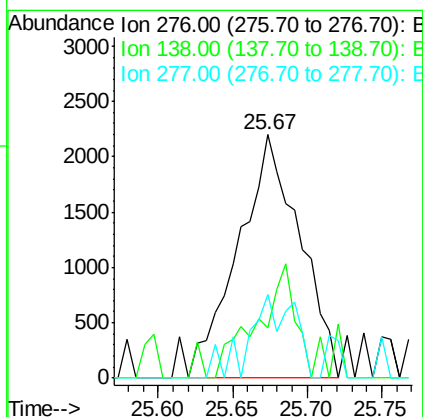
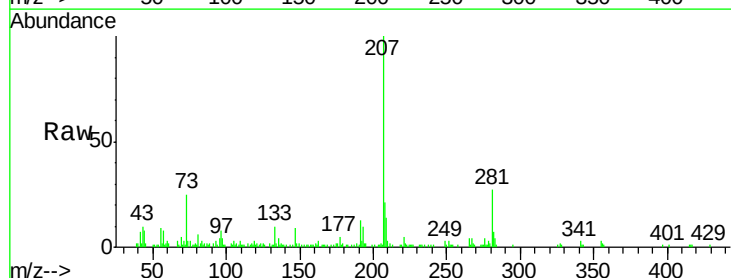
RT: 25.67 min Scan# 3925

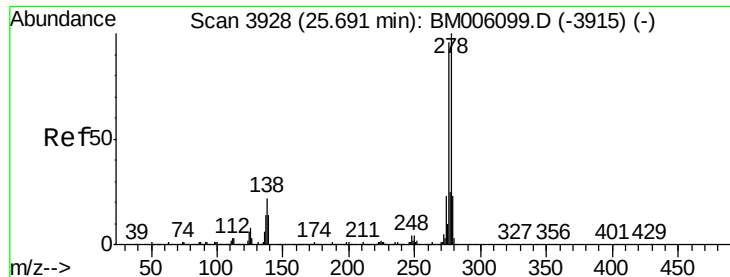
Delta R.T. -0.01 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

Tgt Ion:	276	Resp:	6333
Ion Ratio	Lower	Upper	
276	100		
138	20.7	20.4	30.6
277	34.6	20.6	30.8#





#40

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. -0.00 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

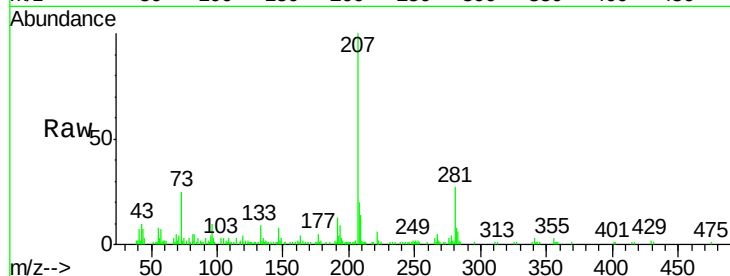
Tgt Ion: 278 Resp: 2945

Ion Ratio Lower Upper

278 100

139 22.9 13.0 19.4#

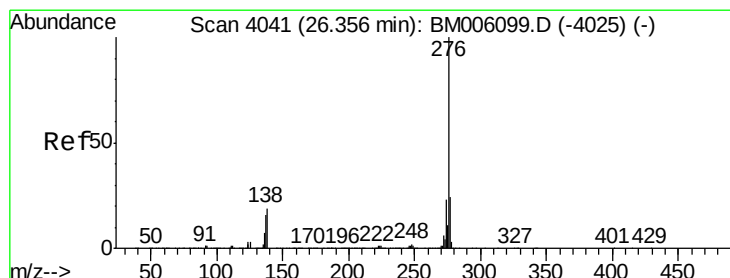
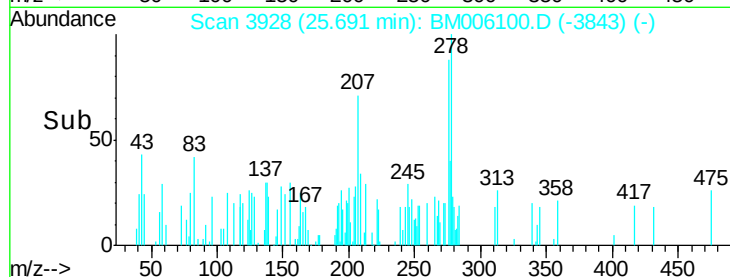
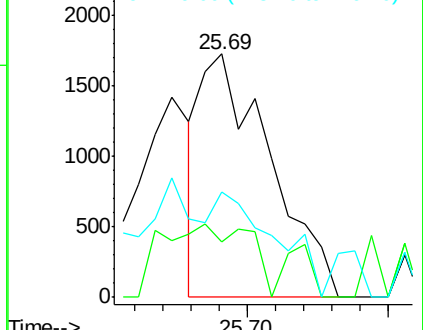
279 43.5 18.8 28.2#



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: 0.09 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006100.D

Acq: 28 Jun 2016 17:49

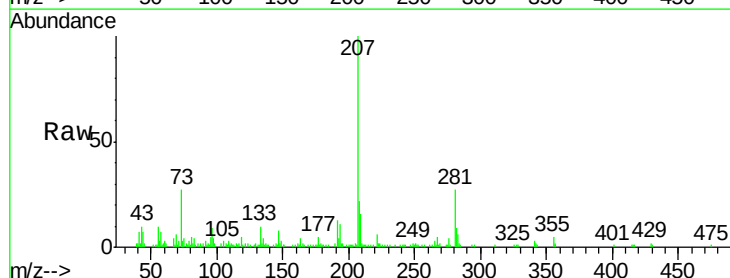
Tgt Ion: 276 Resp: 5142

Ion Ratio Lower Upper

276 100

138 34.2 16.6 25.0#

277 32.4 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

