

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006106.D
 Acq On : 28 Jun 2016 21:26
 Operator : UM/SJ
 Sample : H3780-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 29 00:59:26 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	231101	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1111261	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	666626	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1412860	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1121240	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1062638	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	10809	2.17	ng/uL	0.00
3) Phenol-d5	6.83	99	486364	25.76	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	309278	27.78	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	366746	25.31	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	416099	27.38	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	198292	26.49	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	223531	26.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	404120	25.85	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	522110	42.26	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1336034	27.96	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1642542	28.33	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	204108	22.51	ng/ul	0.00
21) Fluorene-d10	15.30	176	1123599	27.56	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	148088	29.59	ng/ul	0.00
26) Anthracene-d10	17.15	188	1603357	28.29	ng/ul	0.00
30) Pyrene-d10	19.45	212	1566691	34.70	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1221321	28.88	ng/ul	0.00

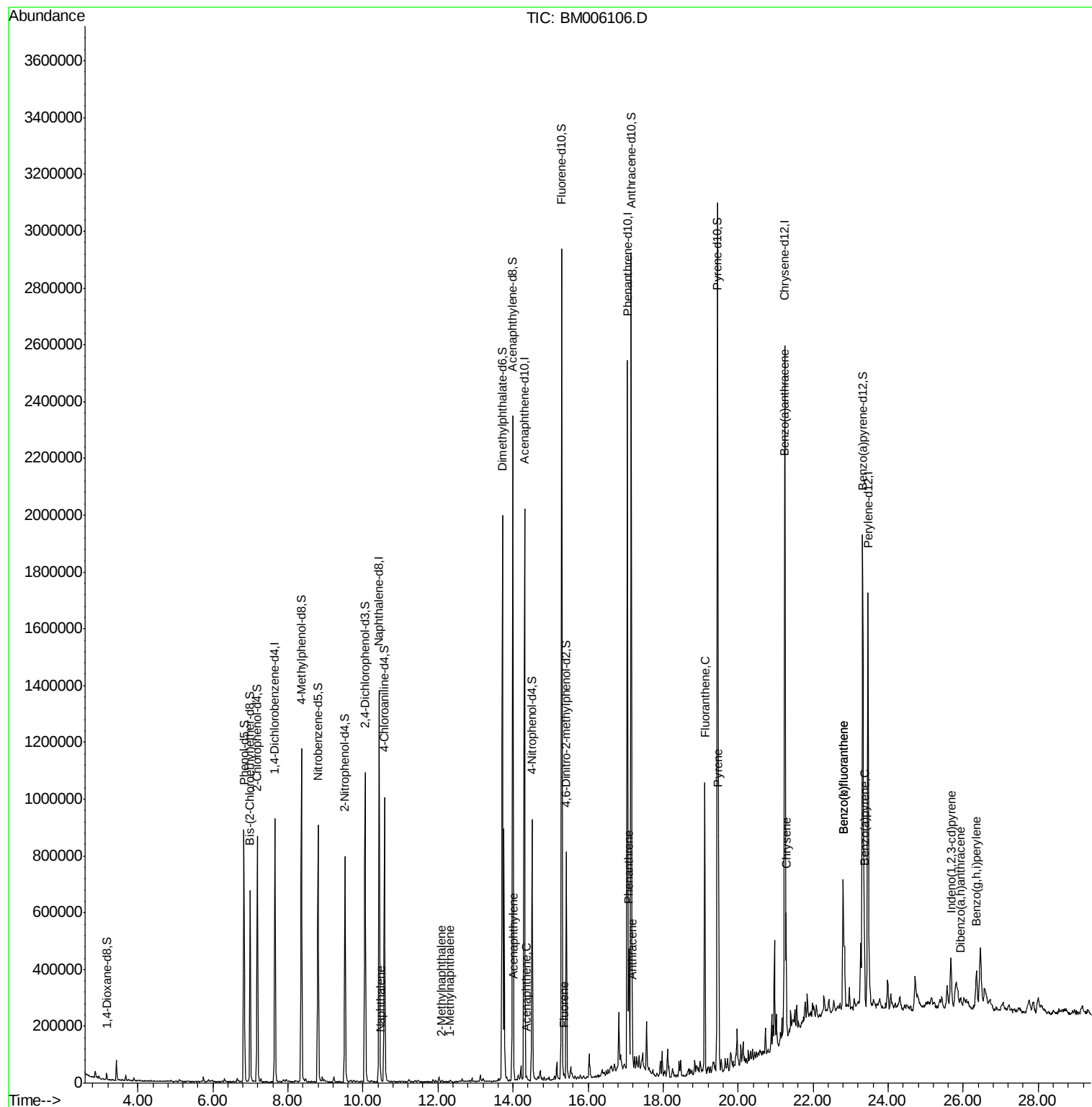
Target Compounds

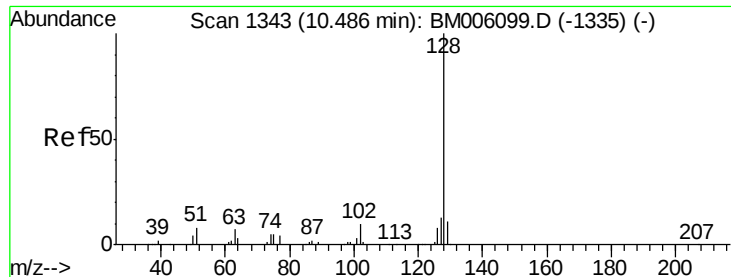
					Qvalue	
11) Naphthalene	10.49	128	6092	0.13	ng/ul#	93
13) 2-Methylnaphthalene	12.10	142	3840	0.10	ng/ul	98
14) 1-Methylnaphthalene	12.33	142	3051	0.09	ng/ul#	99
18) Acenaphthylene	14.02	152	16104	0.27	ng/ul	97
19) Acenaphthene	14.36	153	6385	0.16	ng/ul	94
22) Fluorene	15.35	166	8603	0.20	ng/ul#	93
25) Phenanthrene	17.09	178	236269	3.53	ng/ul	99
27) Anthracene	17.18	178	46674	0.68	ng/ul	98
28) Fluoranthene	19.12	202	626672	7.65	ng/ul	99
31) Pyrene	19.48	202	473499	8.01	ng/ul	97
32) Benzo(a)anthracene	21.23	228	241860	4.15	ng/ul	98
33) Chrysene	21.28	228	258460	4.81	ng/ul	98
35) Benzo(b)fluoranthene	22.80	252	341293	6.19	ng/ul	98
36) Benzo(k)fluoranthene	22.80	252	341293	6.60	ng/ul	99
38) Benzo(a)pyrene	23.36	252	215526	4.14	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.67	276	167488	3.09	ng/ul	94
40) Dibenzo(a,h)anthracene	25.93	278	26345	0.59	ng/ul	96
41) Benzo(g,h,i)perylene	26.36	276	148667	3.28	ng/ul	99

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

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Data File : BM006106.D
Acq On : 28 Jun 2016 21:26
Operator : UM/SJ
Sample : H3780-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

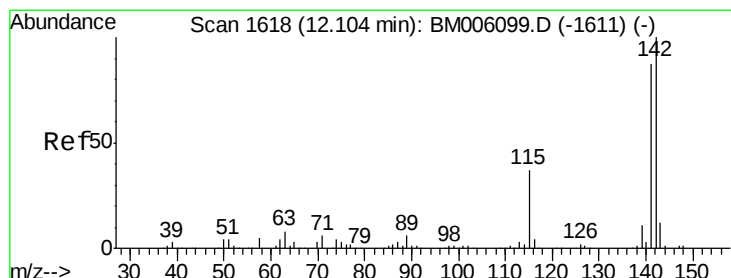
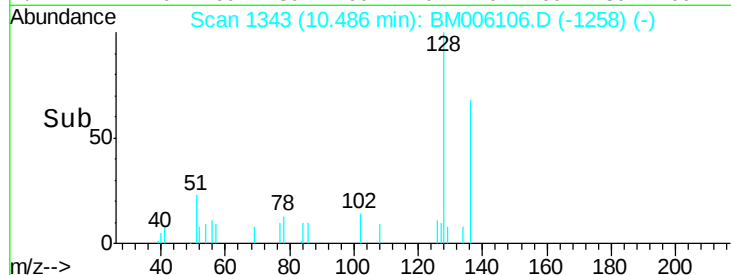
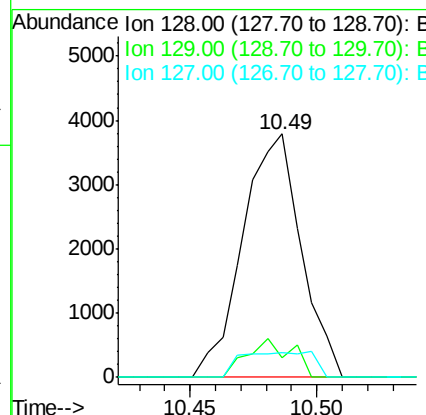
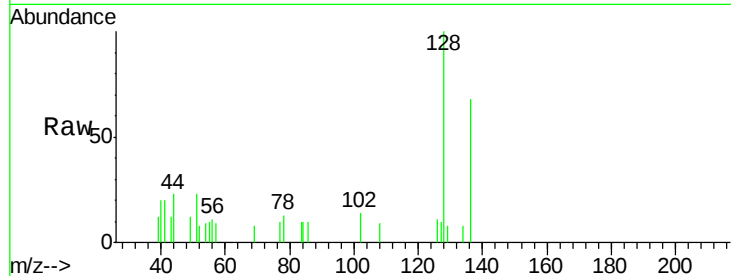
Quant Time: Jun 29 00:59:26 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
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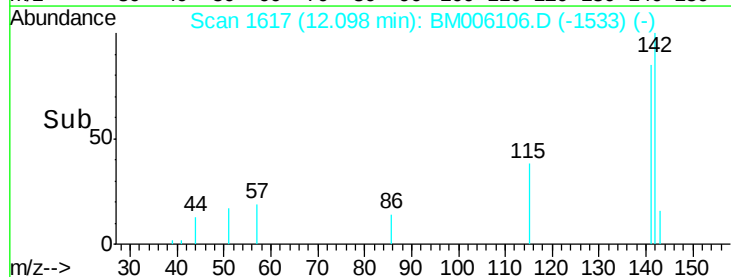
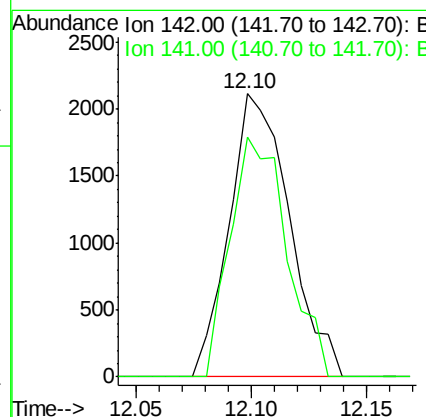
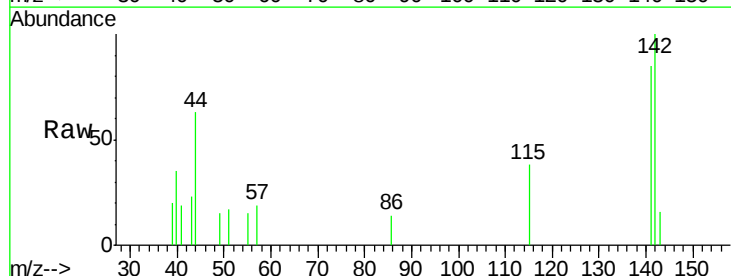
#11
Naphthalene
Concen: 0.13 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006106.D
Acq: 28 Jun 2016 21:26

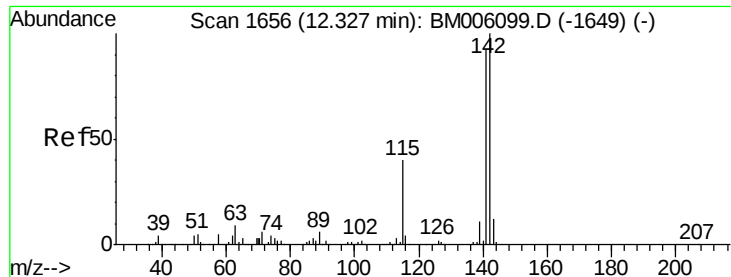
Tgt Ion:128 Resp: 6092
Ion Ratio Lower Upper
128 100
129 8.0 8.9 13.3#
127 10.4 10.5 15.7#



#13
2-Methylnaphthalene
Concen: 0.10 ng/ul
RT: 12.10 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BM006106.D
Acq: 28 Jun 2016 21:26

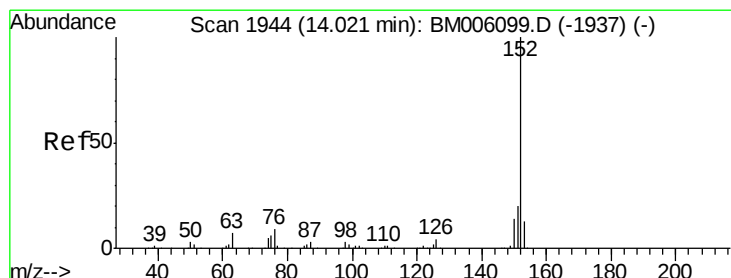
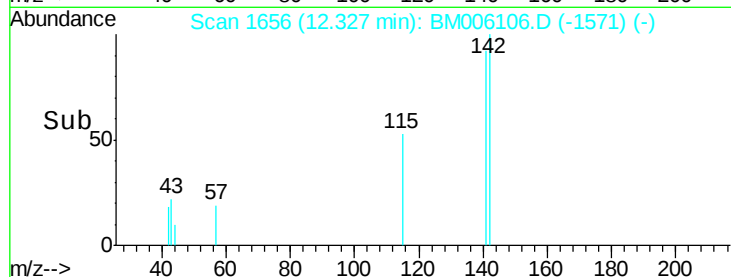
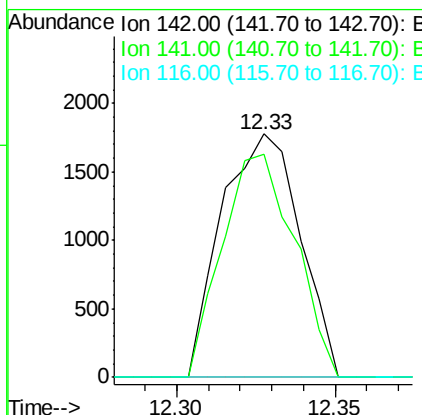
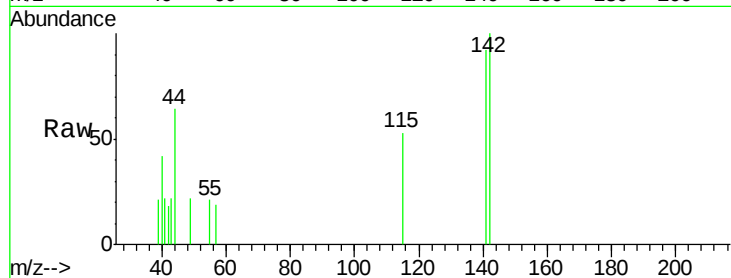
Tgt Ion:142 Resp: 3840
Ion Ratio Lower Upper
142 100
141 84.7 69.0 103.6





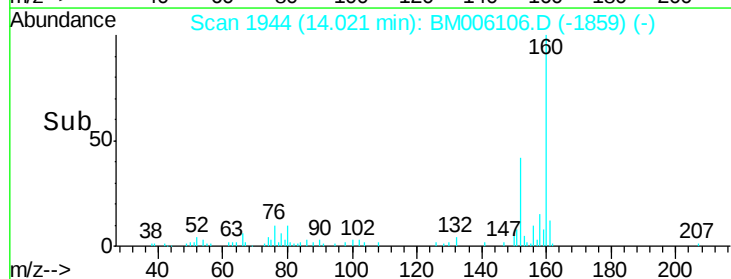
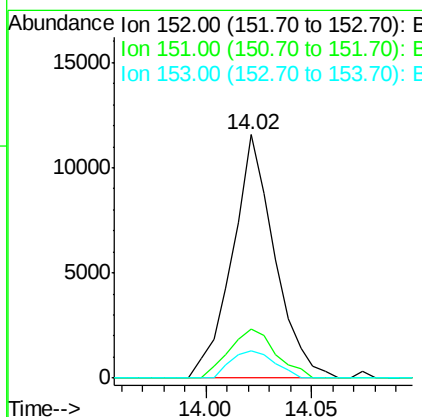
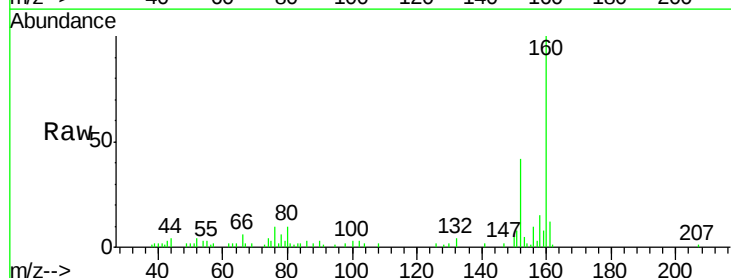
#14
1-Methylnaphthalene
Concen: 0.09 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006106.D
Acq: 28 Jun 2016 21:26

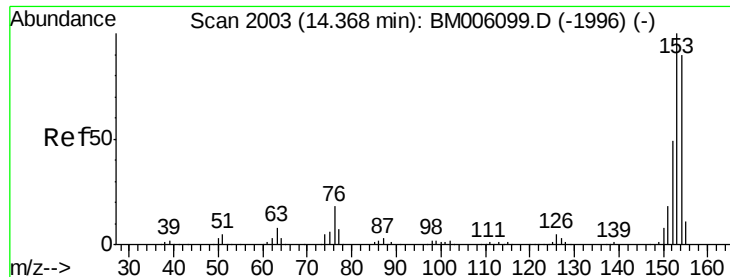
Tgt Ion:142 Resp: 3051
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.4
116 0.0 3.0 4.6#



#18
Acenaphthylene
Concen: 0.27 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM006106.D
Acq: 28 Jun 2016 21:26

Tgt Ion:152 Resp: 16104
Ion Ratio Lower Upper
152 100
151 20.3 15.8 23.6
153 11.0 10.3 15.5





#19

Acenaphthene

Concen: 0.16 ng/ul

RT: 14.36 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

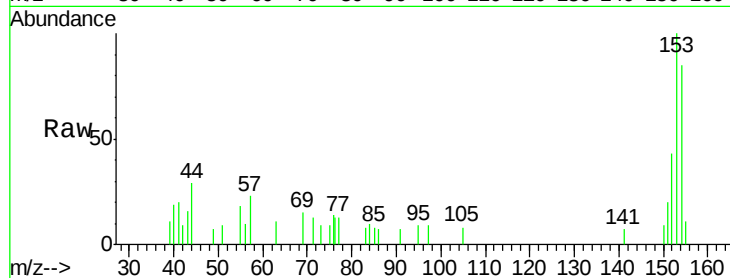
Tgt Ion:153 Resp: 6385

Ion Ratio Lower Upper

153 100

152 43.0 38.1 57.1

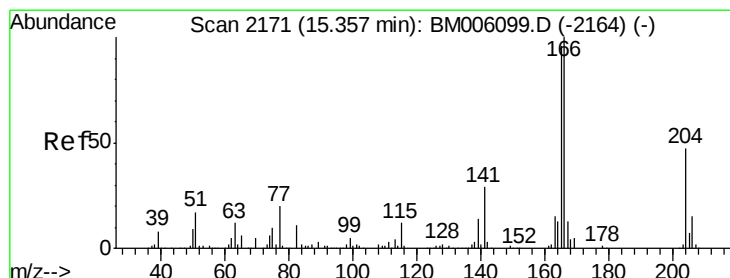
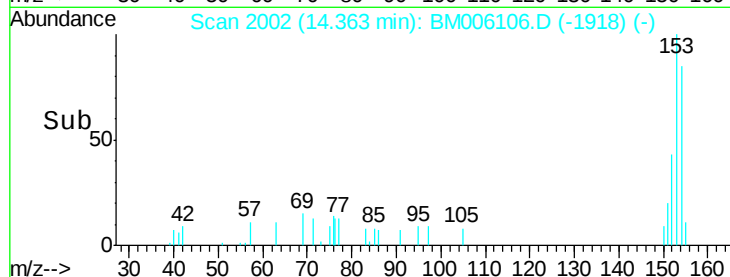
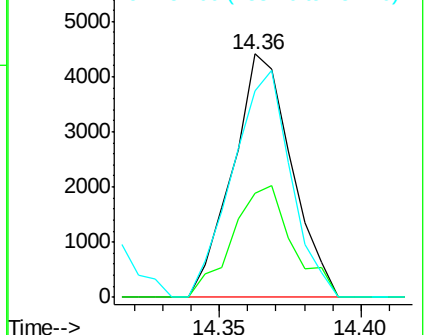
154 85.0 71.6 107.4



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: 0.20 ng/ul

RT: 15.35 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

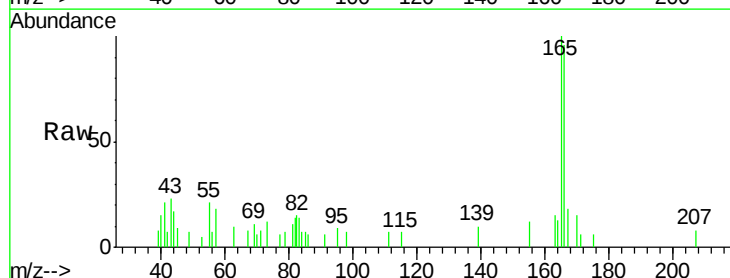
Tgt Ion:166 Resp: 8603

Ion Ratio Lower Upper

166 100

165 103.8 78.4 117.6

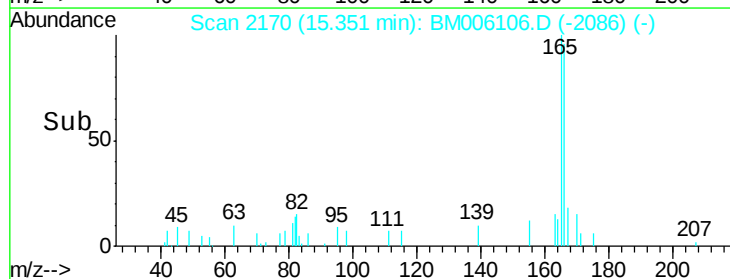
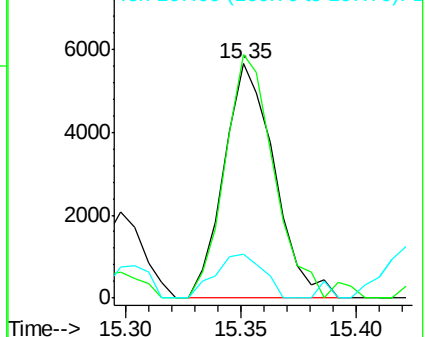
167 18.9 10.6 16.0#

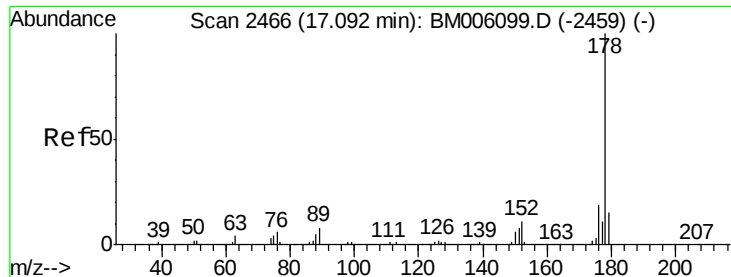


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 3.53 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

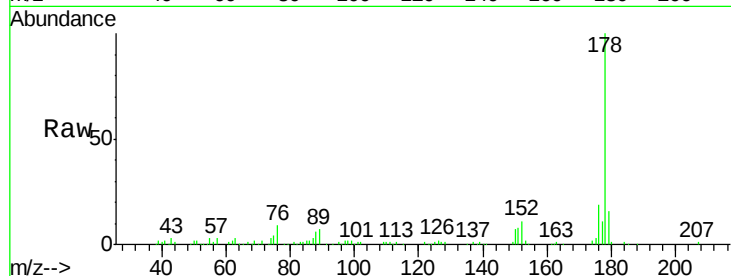
Tgt Ion:178 Resp: 236269

Ion Ratio Lower Upper

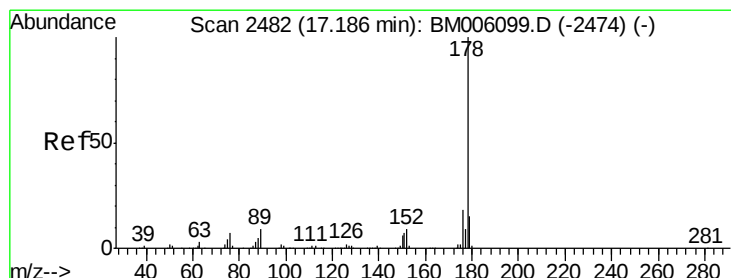
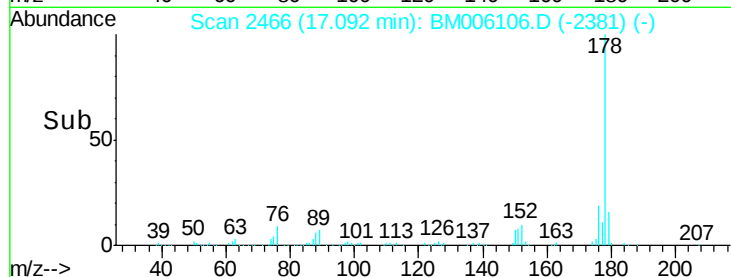
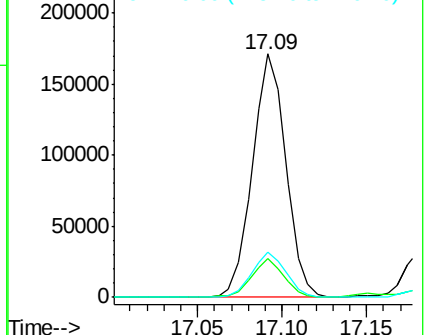
178 100

179 15.9 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: 0.68 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

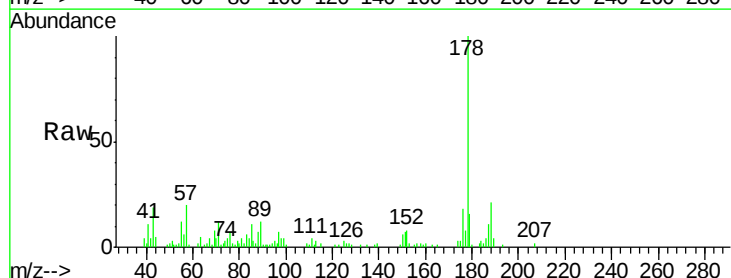
Tgt Ion:178 Resp: 46674

Ion Ratio Lower Upper

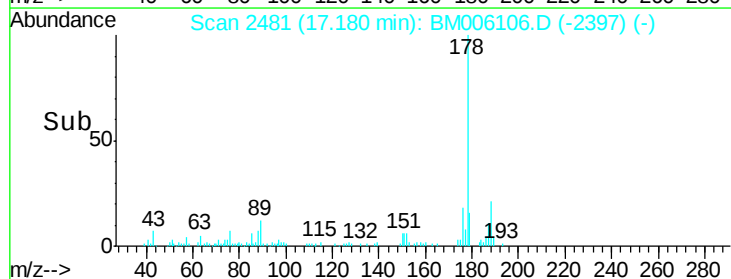
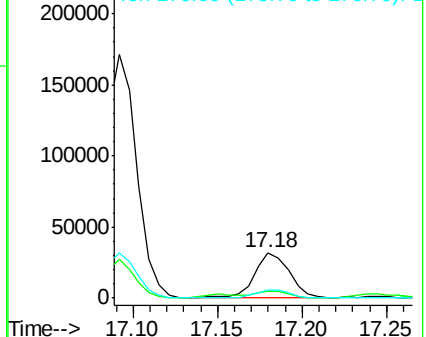
178 100

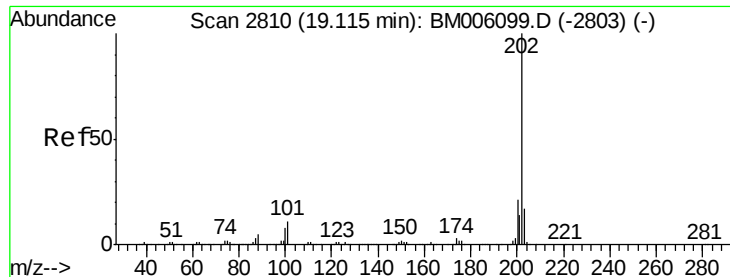
179 16.3 12.3 18.5

176 17.6 14.6 22.0



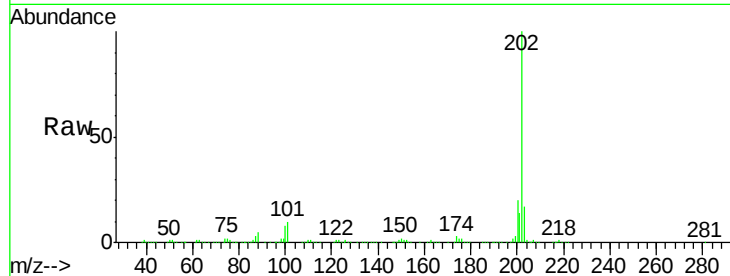
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



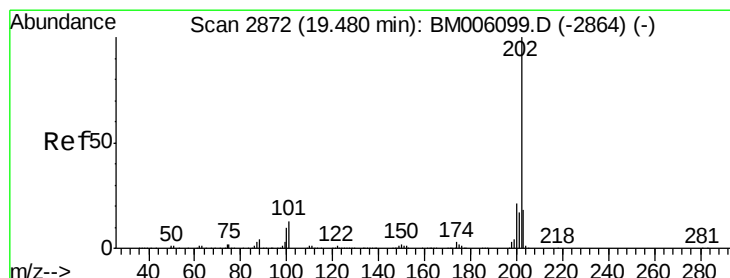
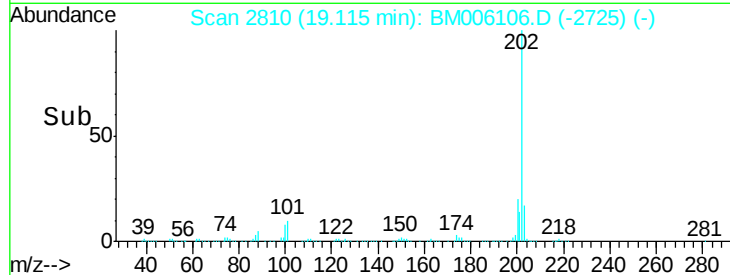
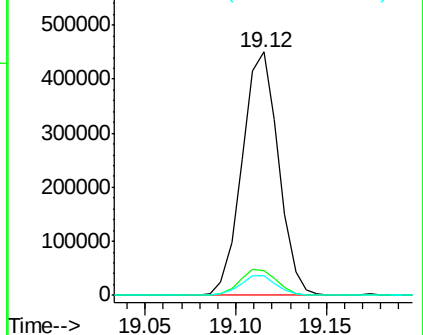


#28
 Fluoranthene
 Concen: 7.65 ng/ul
 RT: 19.12 min Scan# 2810
 Delta R.T. -0.00 min
 Lab File: BM006106.D
 Acq: 28 Jun 2016 21:26

Tgt Ion:	202	Resp:	626672
Ion Ratio	Lower	Upper	
202	100		
101	10.2	8.5	12.7
100	7.8	6.5	9.7

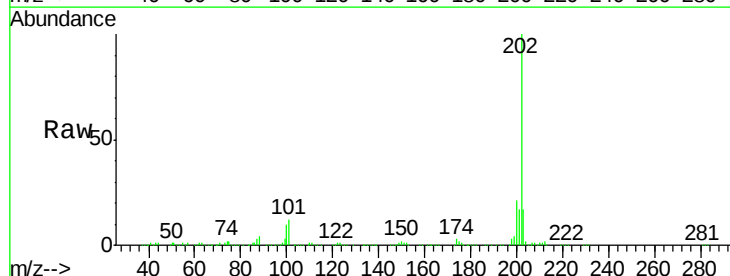


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

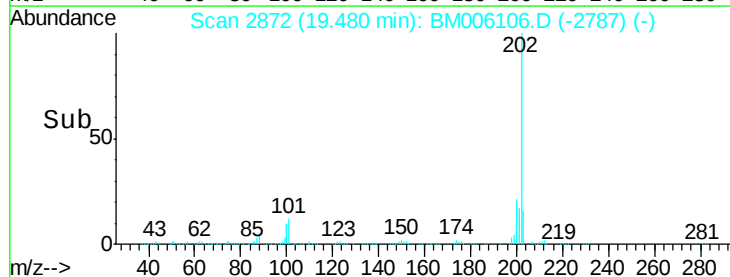
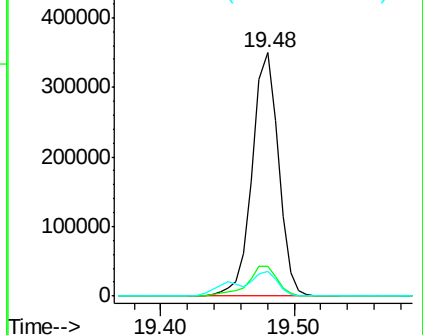


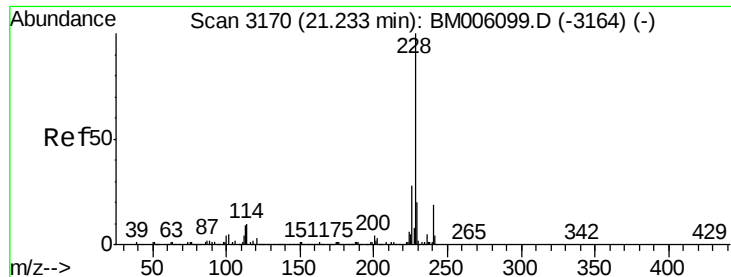
#31
 Pyrene
 Concen: 8.01 ng/ul
 RT: 19.48 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: BM006106.D
 Acq: 28 Jun 2016 21:26

Tgt Ion:	202	Resp:	473499
Ion Ratio	Lower	Upper	
202	100		
101	12.1	11.0	16.4
100	10.3	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: 4.15 ng/ul

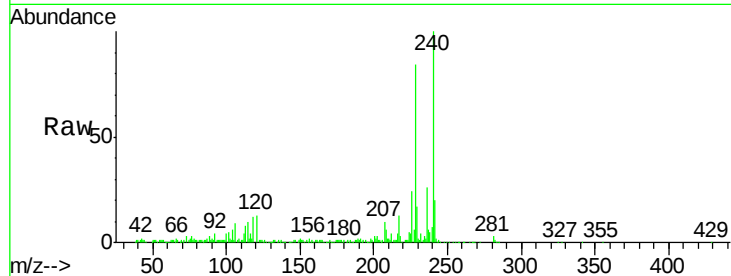
RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

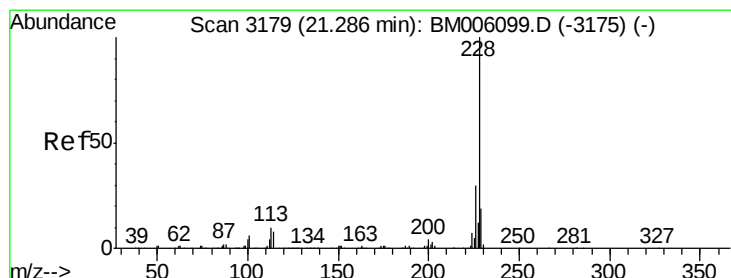
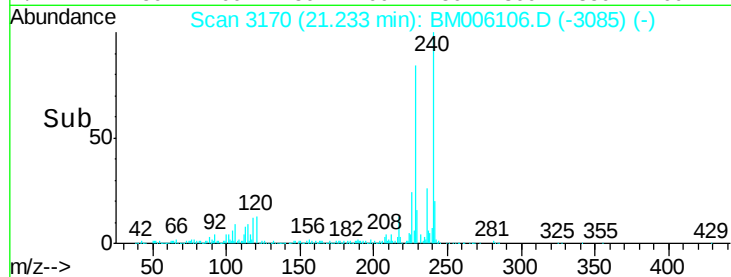
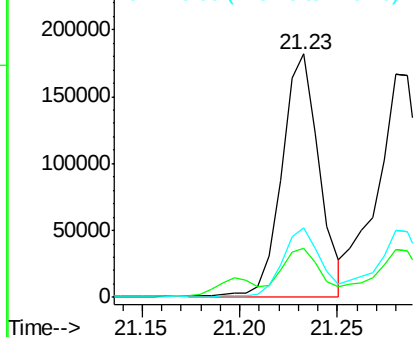
Tgt Ion:	228	Resp:	241860
Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.6	23.4
226	28.4	21.6	32.4



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: 4.81 ng/ul

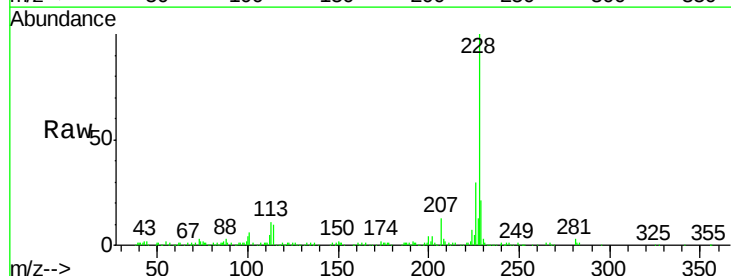
RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

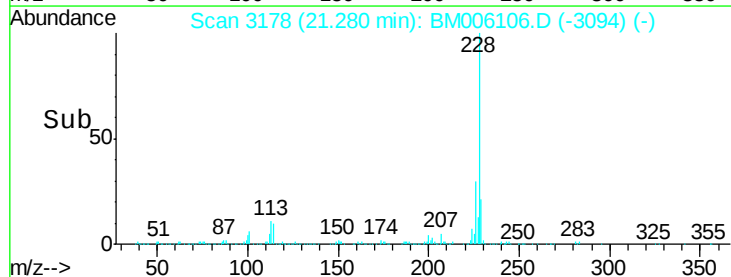
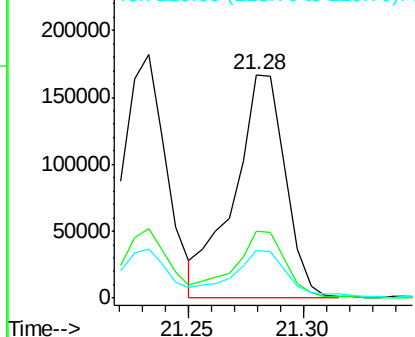
Tgt Ion:	228	Resp:	258460
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	21.5	15.8	23.6

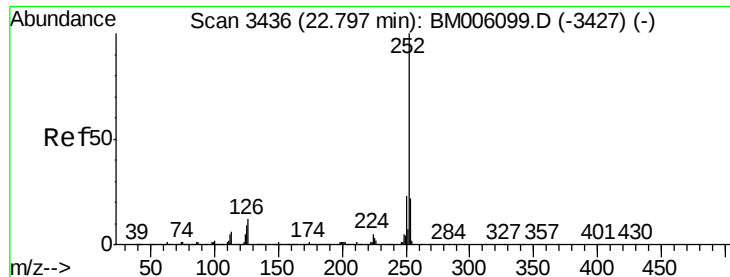


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 6.19 ng/ul

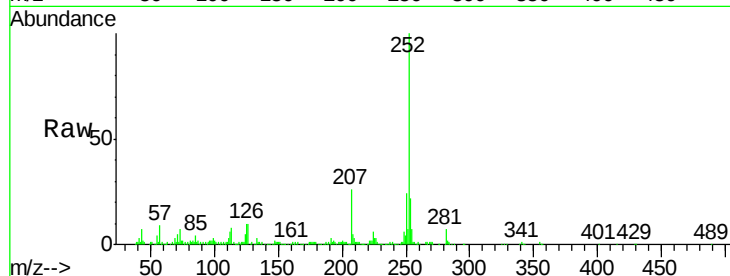
RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

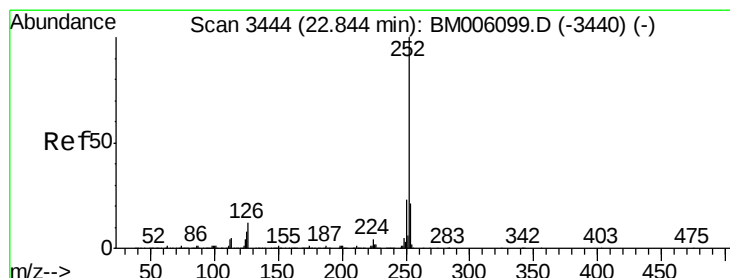
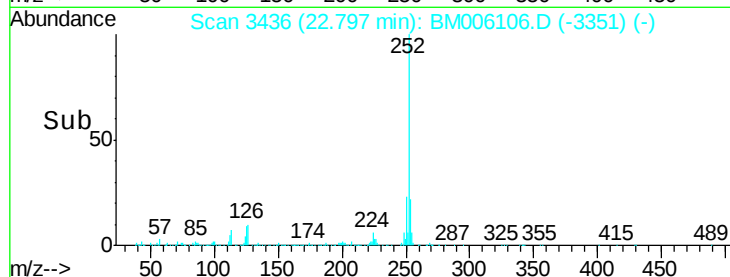
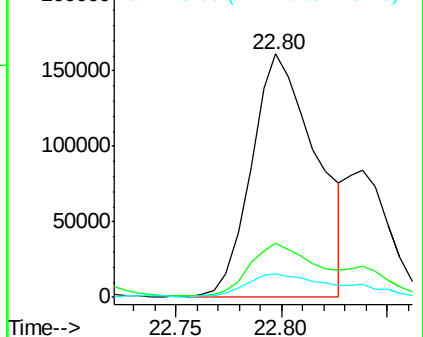
Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

Tgt Ion:	252	Resp:	341293
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	9.8	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: 6.60 ng/ul

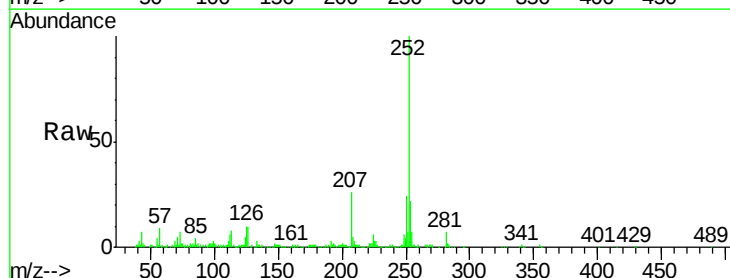
RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

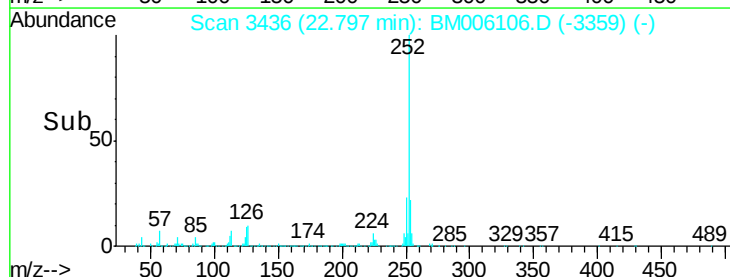
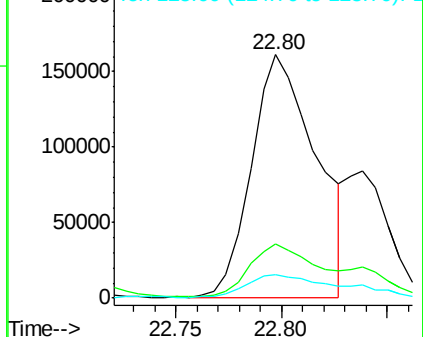
Lab File: BM006106.D

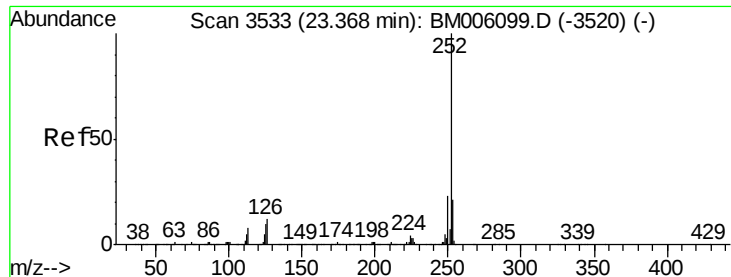
Acq: 28 Jun 2016 21:26

Tgt Ion:	252	Resp:	341293
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	9.8	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: 4.14 ng/ul

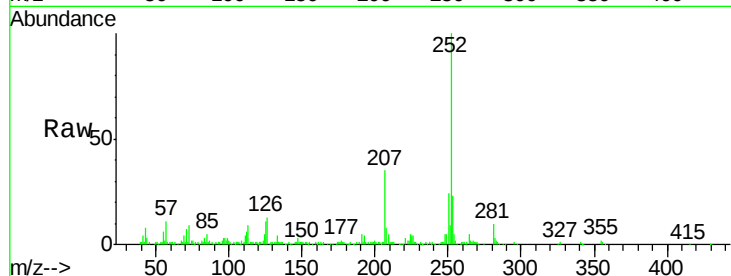
RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

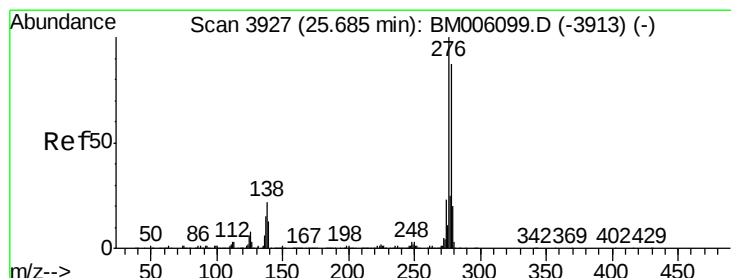
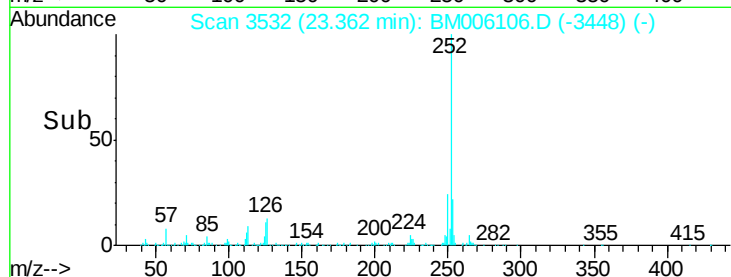
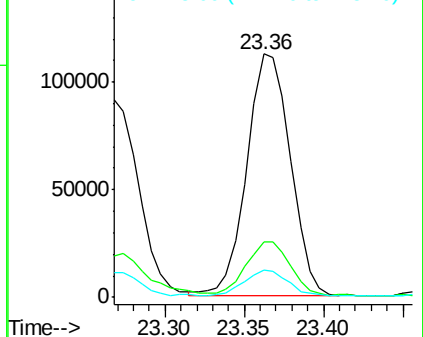
Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

Tgt Ion:	252	Resp:	215526
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	11.1	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: 3.09 ng/ul

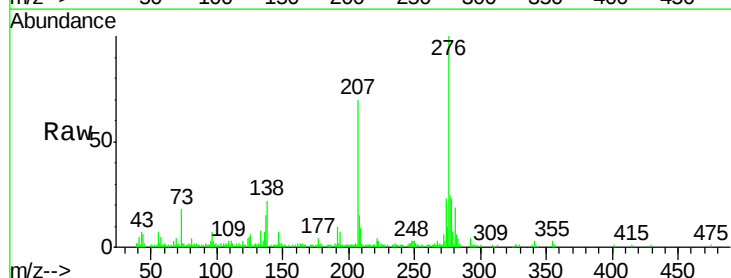
RT: 25.67 min Scan# 3925

Delta R.T. -0.01 min

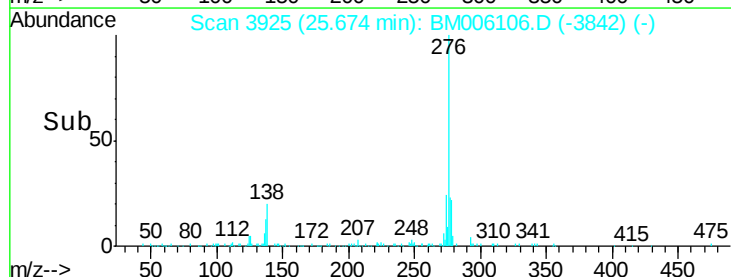
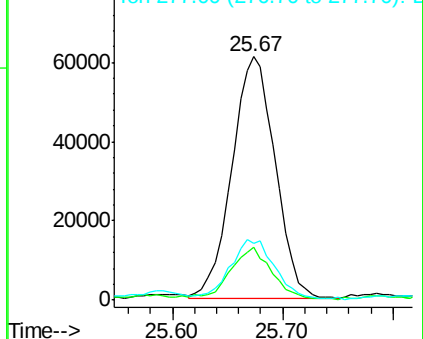
Lab File: BM006106.D

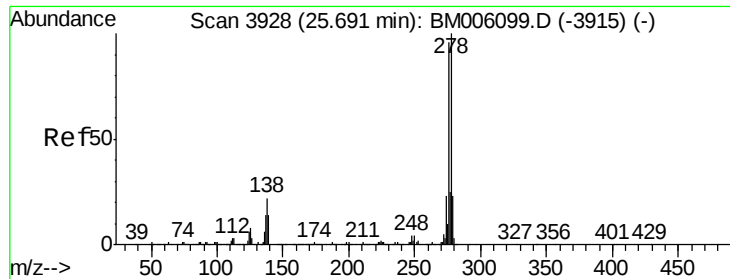
Acq: 28 Jun 2016 21:26

Tgt Ion:	276	Resp:	167488
Ion Ratio	Lower	Upper	
276	100		
138	21.6	20.4	30.6
277	23.5	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: 0.59 ng/ul

RT: 25.93 min Scan# 3969

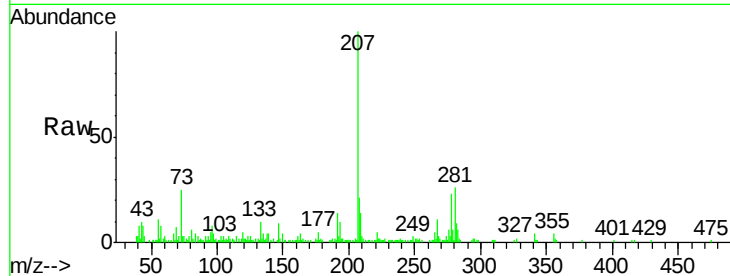
Delta R.T. 0.24 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

Tgt Ion: 278 Resp: 26345

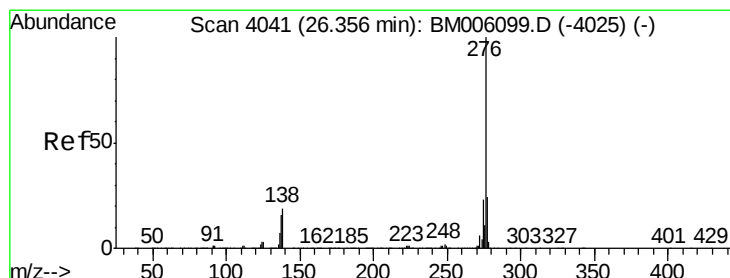
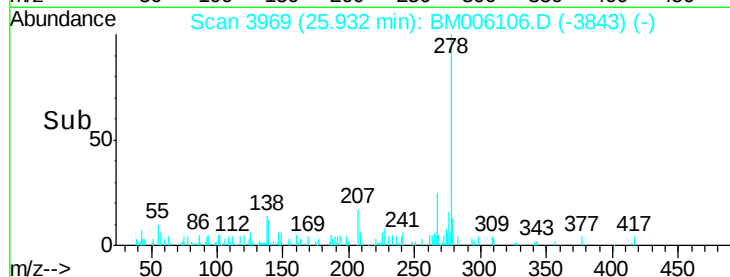
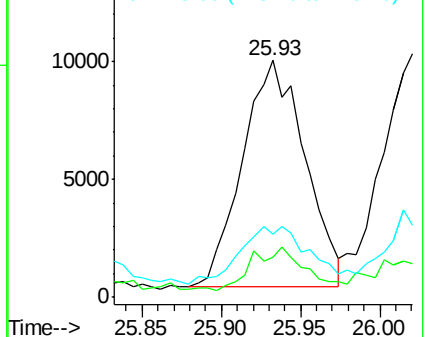
Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.0	19.4
279	26.5	18.8	28.2



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: 3.28 ng/ul

RT: 26.36 min Scan# 4041

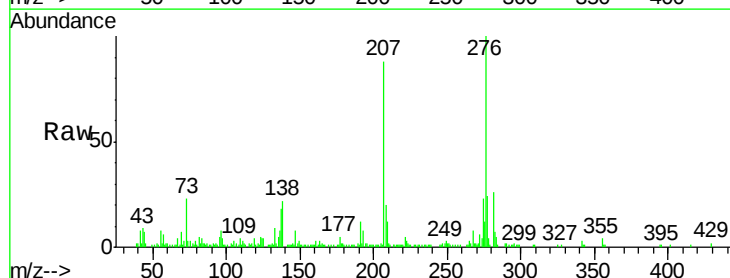
Delta R.T. -0.00 min

Lab File: BM006106.D

Acq: 28 Jun 2016 21:26

Tgt Ion: 276 Resp: 148667

Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.6	25.0
277	23.9	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

