

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006110.D
 Acq On : 28 Jun 2016 23:50
 Operator : UM/SJ
 Sample : H3780-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 01:00:16 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	222902	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1041118	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	671519	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1562688	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1576604	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1276884	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9135	1.90	ng/uL	0.00
3) Phenol-d5	6.82	99	454272	24.95	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	299698	27.91	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	352505	25.22	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	381771	26.05	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	193198	27.55	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	187851	23.41	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	365270	24.94	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	219291	18.95	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1143341	23.75	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1640238	28.08	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	200415	21.94	ng/ul	0.00
21) Fluorene-d10	15.30	176	1154268	28.10	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	148444	26.82	ng/ul	0.00
26) Anthracene-d10	17.15	188	1797377	28.67	ng/ul	0.00
30) Pyrene-d10	19.45	212	2028769	31.96	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1484935	29.22	ng/ul	0.00

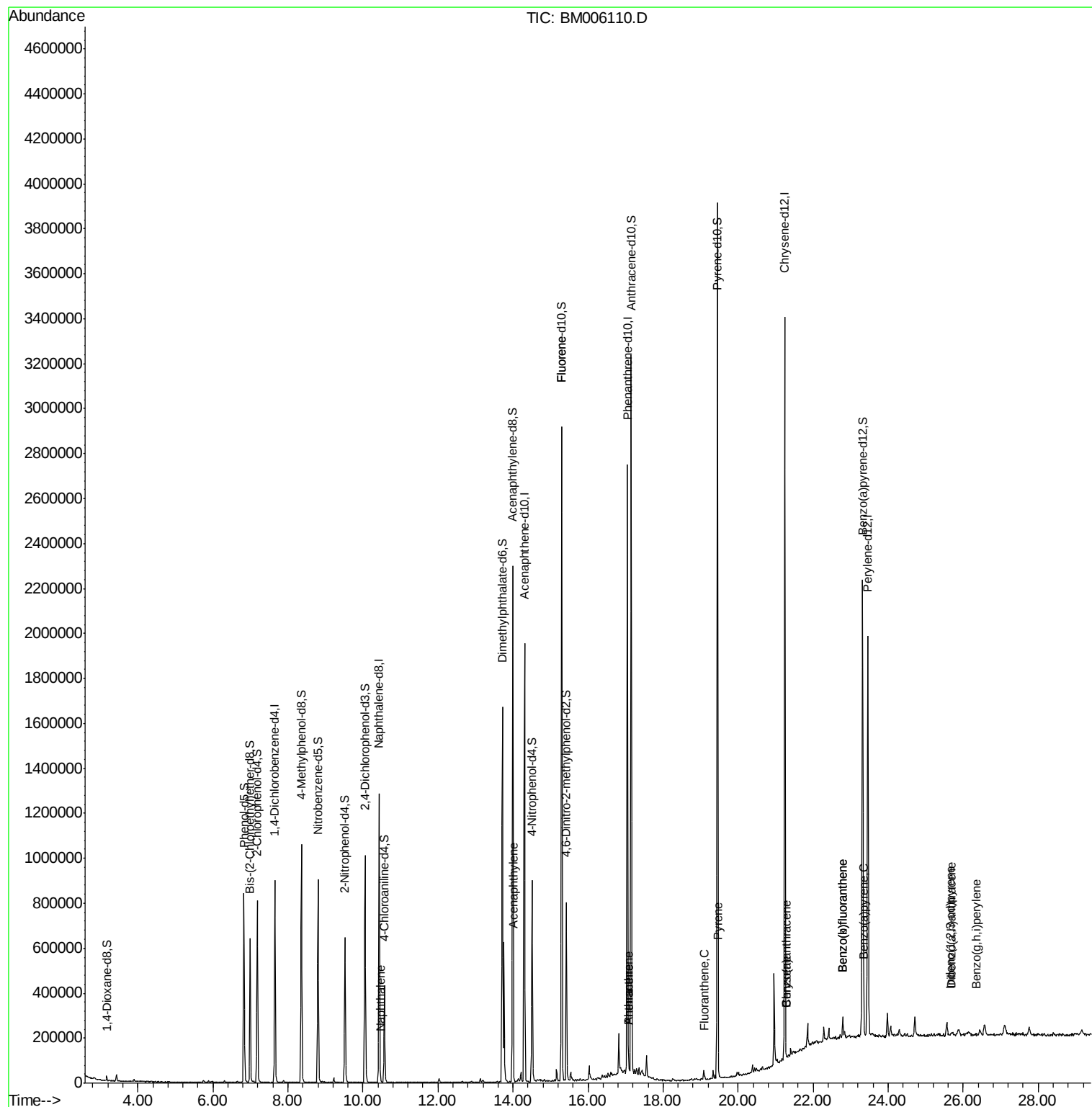
Target Compounds

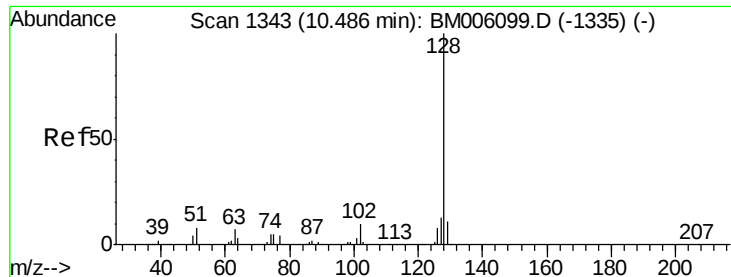
					Qvalue	
11) Naphthalene	10.47	128	133	0.00	ng/ul#	69
18) Acenaphthylene	14.02	152	377	0.01	ng/ul#	61
22) Fluorene	15.30	166	2659	0.06	ng/ul#	9
25) Phenanthrene	17.09	178	5162	0.07	ng/ul	97
27) Anthracene	17.09	178	5162	0.07	ng/ul	96
28) Fluoranthene	19.11	202	12310	0.14	ng/ul#	95
31) Pyrene	19.47	202	9667	0.12	ng/ul#	88
32) Benzo(a)anthracene	21.28	228	8117	0.10	ng/ul	95
33) Chrysene	21.28	228	8117	0.11	ng/ul	98
35) Benzo(b)fluoranthene	22.79	252	9697	0.15	ng/ul#	59
36) Benzo(k)fluoranthene	22.79	252	9697	0.16	ng/ul#	60
38) Benzo(a)pyrene	23.36	252	5745	0.09	ng/ul#	62
39) Indeno(1,2,3-cd)pyrene	25.67	276	4183	0.06	ng/ul#	81
40) Dibenzo(a,h)anthracene	25.68	278	1571	0.03	ng/ul#	55
41) Benzo(g,h,i)perylene	26.34	276	4384	0.08	ng/ul#	54

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
Data File : BM006110.D
Acq On : 28 Jun 2016 23:50
Operator : UM/SJ
Sample : H3780-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

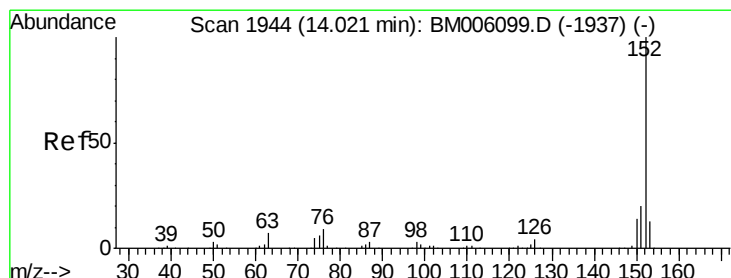
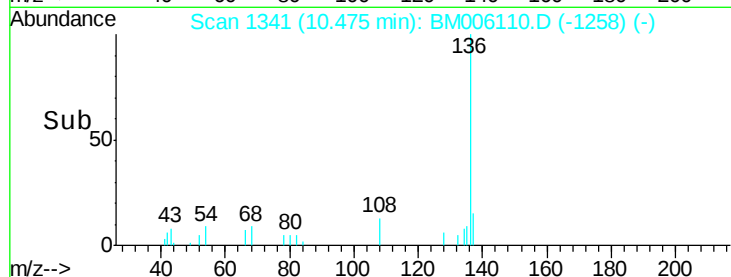
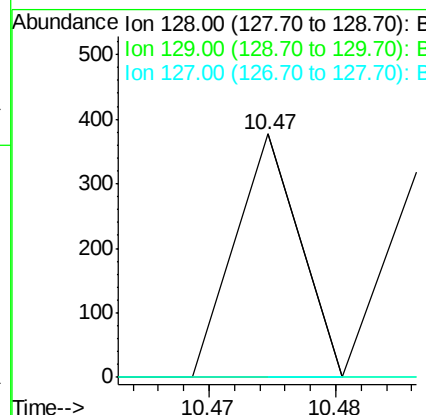
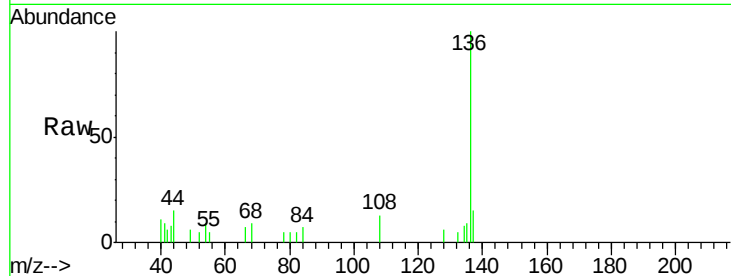
Quant Time: Jun 29 01:00:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration





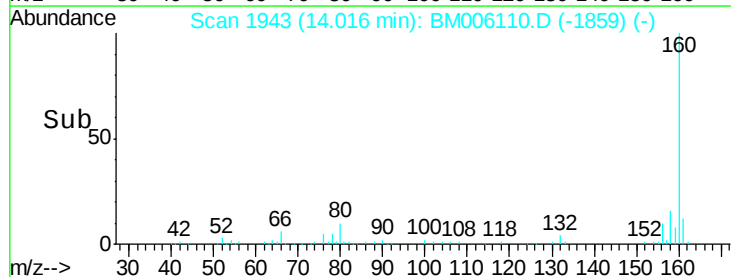
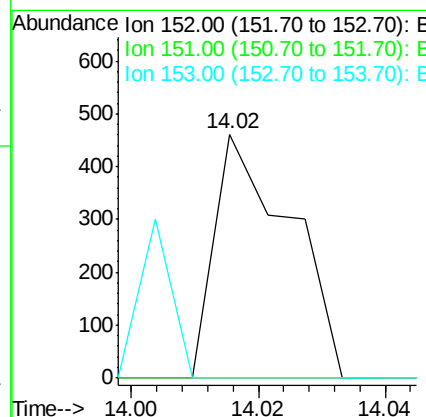
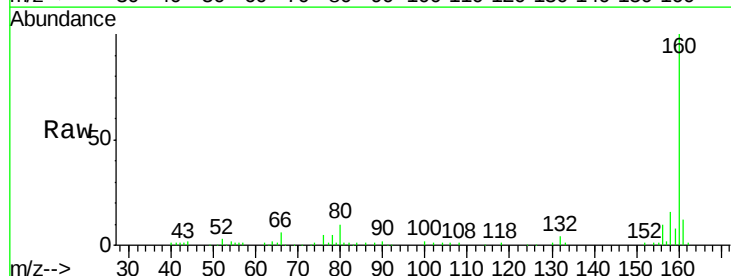
#11
Naphthalene
Concen: 0.00 ng/ul
RT: 10.47 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BM006110.D
Acq: 28 Jun 2016 23:50

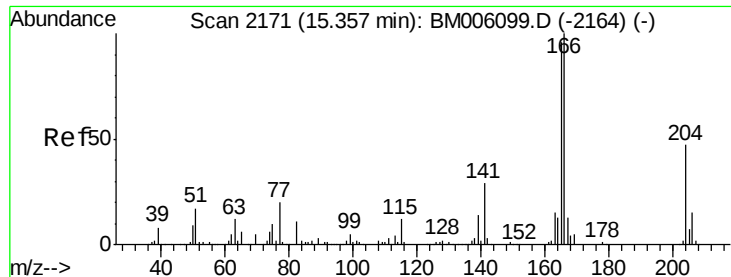
Tgt Ion:128 Resp: 133
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.5 15.7#



#18
Acenaphthylene
Concen: 0.01 ng/ul
RT: 14.02 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BM006110.D
Acq: 28 Jun 2016 23:50

Tgt Ion:152 Resp: 377
Ion Ratio Lower Upper
152 100
151 0.0 15.8 23.6#
153 0.0 10.3 15.5#





#22

Fluorene

Concen: 0.06 ng/ul

RT: 15.30 min Scan# 2161

Delta R.T. -0.06 min

Lab File: BM006110.D

Acq: 28 Jun 2016 23:50

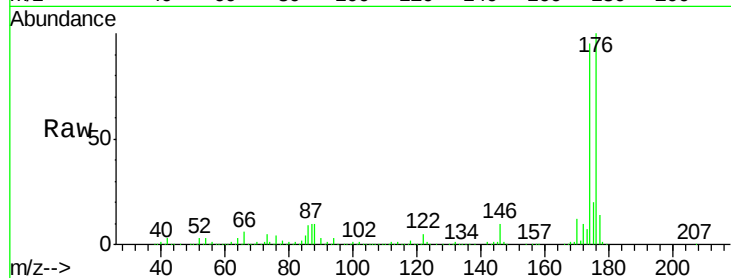
Tgt Ion:166 Resp: 2659

Ion Ratio Lower Upper

166 100

165 0.0 78.4 117.6#

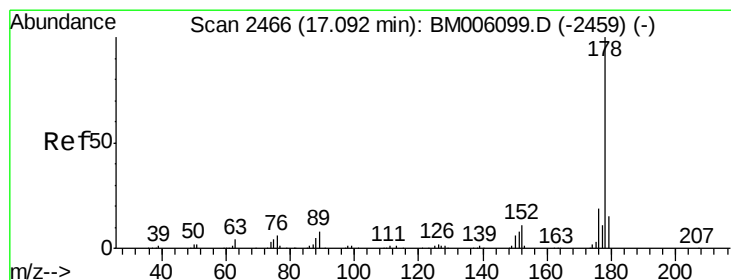
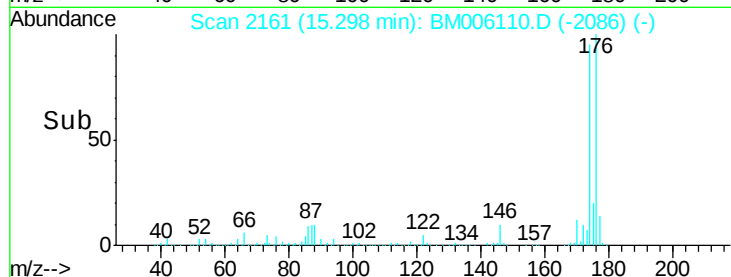
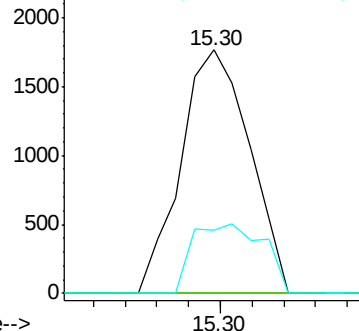
167 26.0 10.6 16.0#



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: 0.07 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006110.D

Acq: 28 Jun 2016 23:50

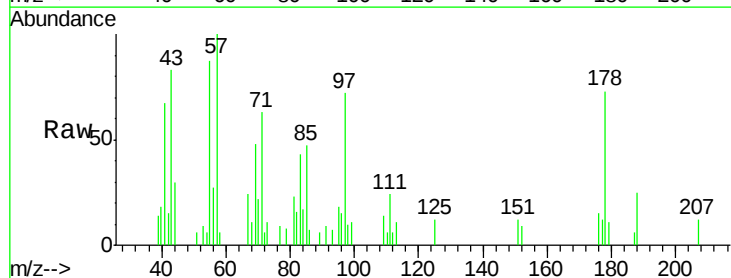
Tgt Ion:178 Resp: 5162

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

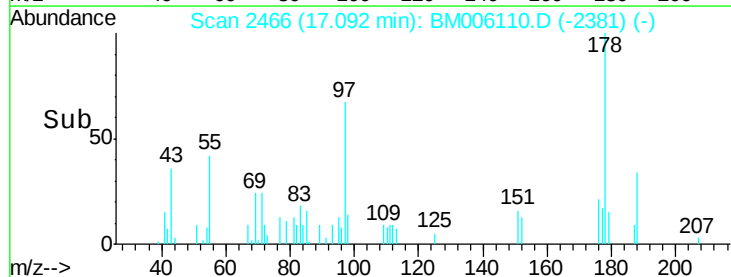
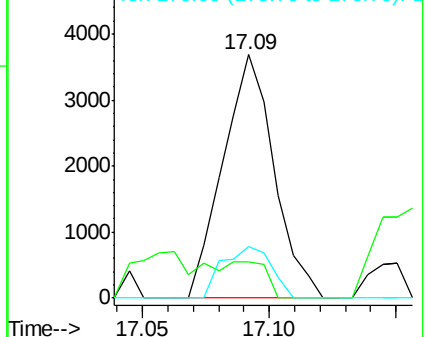
176 21.0 15.3 22.9

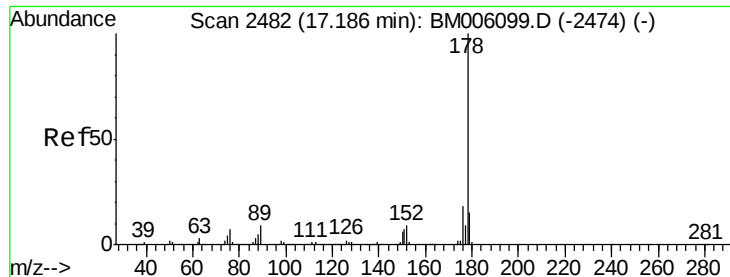


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

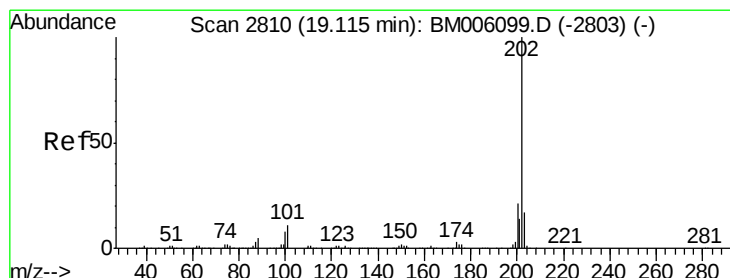
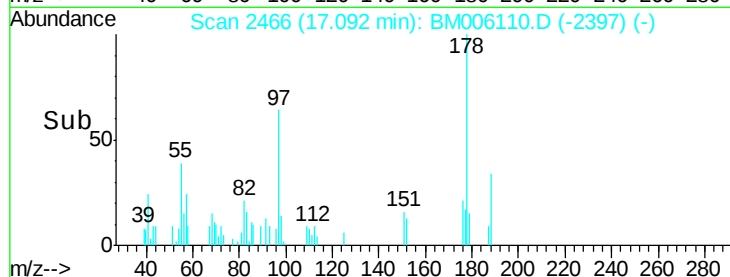
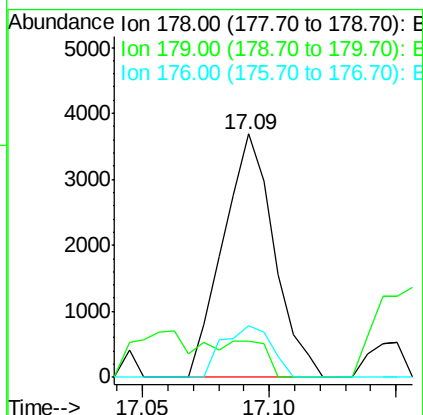
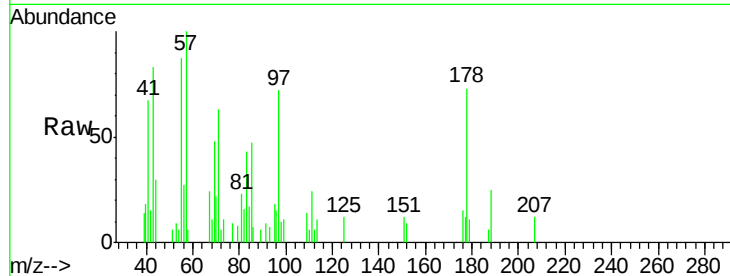
Ion 176.00 (175.70 to 176.70): E





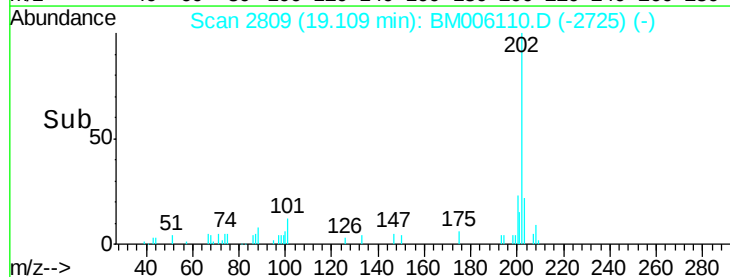
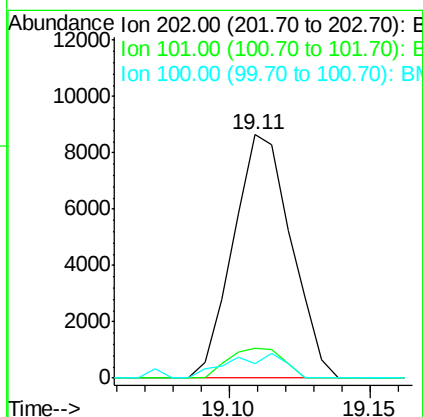
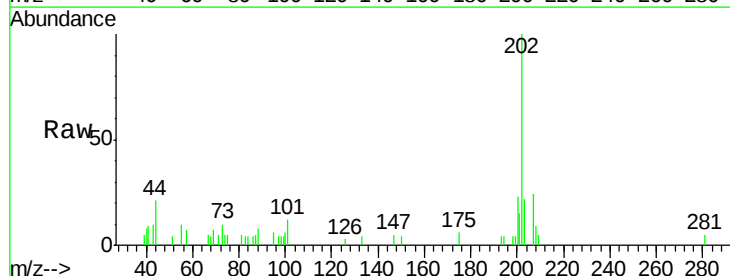
#27
 Anthracene
 Concen: 0.07 ng/ul
 RT: 17.09 min Scan# 2466
 Delta R.T. -0.09 min
 Lab File: BM006110.D
 Acq: 28 Jun 2016 23:50

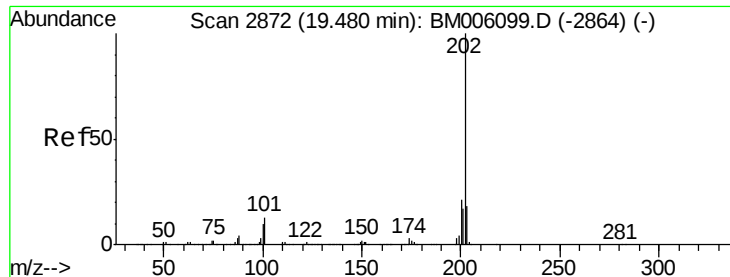
Tgt Ion:178 Resp: 5162
 Ion Ratio Lower Upper
 178 100
 179 14.9 12.3 18.5
 176 21.0 14.6 22.0



#28
 Fluoranthene
 Concen: 0.14 ng/ul
 RT: 19.11 min Scan# 2809
 Delta R.T. -0.01 min
 Lab File: BM006110.D
 Acq: 28 Jun 2016 23:50

Tgt Ion:202 Resp: 12310
 Ion Ratio Lower Upper
 202 100
 101 12.2 8.5 12.7
 100 5.7 6.5 9.7#





#31

Pyrene

Concen: 0.12 ng/ul

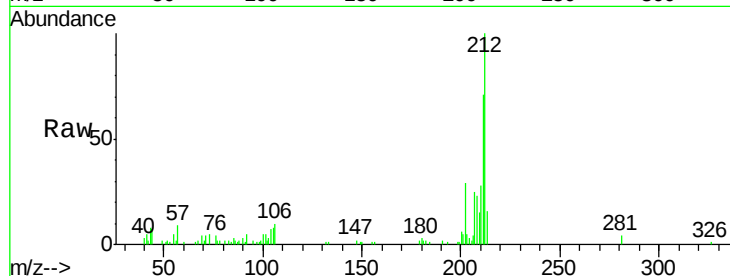
RT: 19.47 min Scan# 2871

Delta R.T. -0.01 min

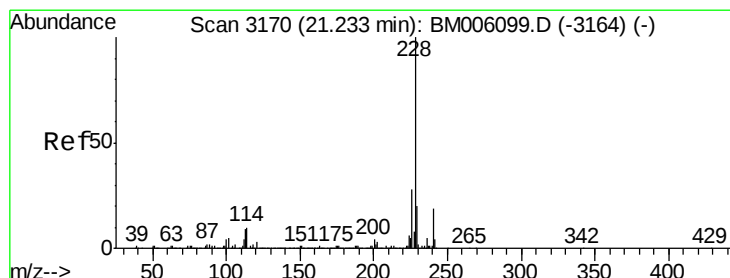
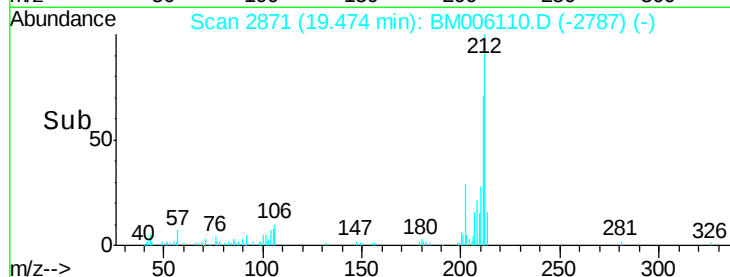
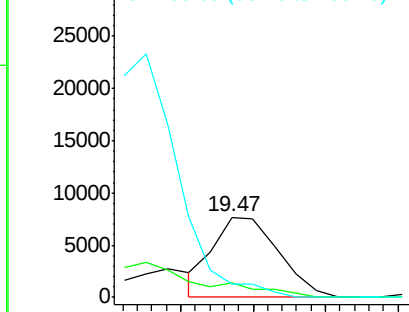
Lab File: BM006110.D

Acq: 28 Jun 2016 23:50

Tgt Ion:	202	Resp:	9667
Ion	Ratio	Lower	Upper
202	100		
101	17.7	11.0	16.4#
100	16.3	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: 0.10 ng/ul

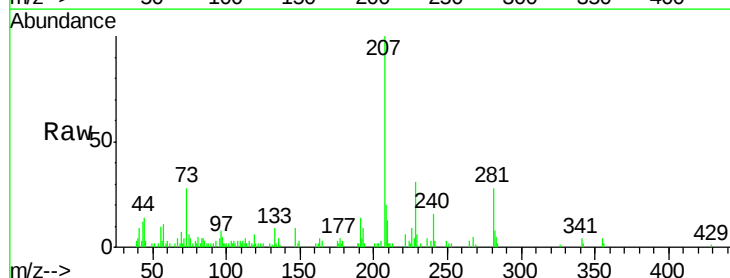
RT: 21.28 min Scan# 3178

Delta R.T. 0.05 min

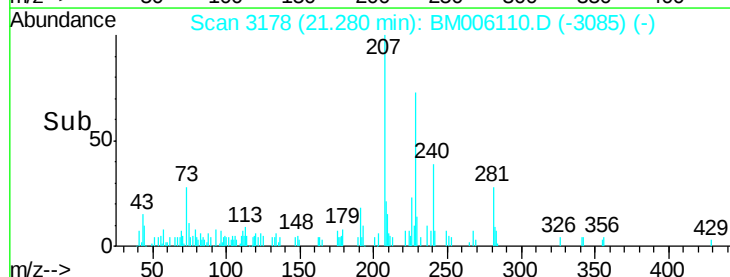
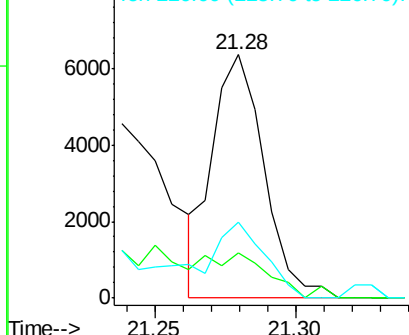
Lab File: BM006110.D

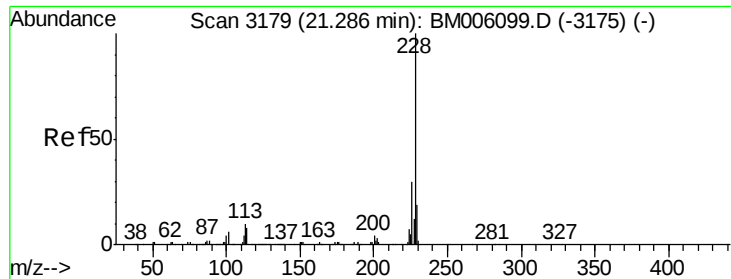
Acq: 28 Jun 2016 23:50

Tgt Ion:	228	Resp:	8117
Ion	Ratio	Lower	Upper
228	100		
229	18.8	15.6	23.4
226	31.0	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: 0.11 ng/ul

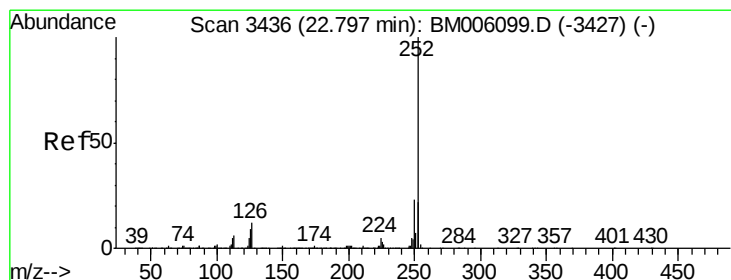
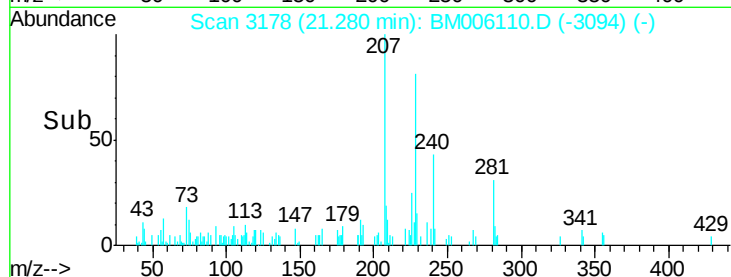
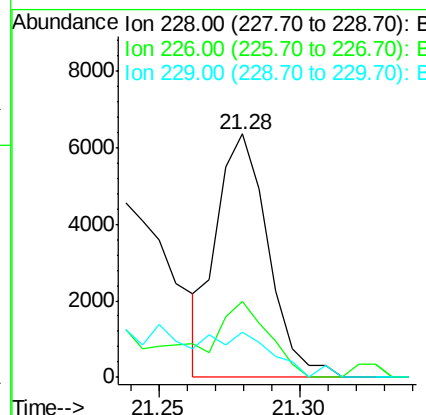
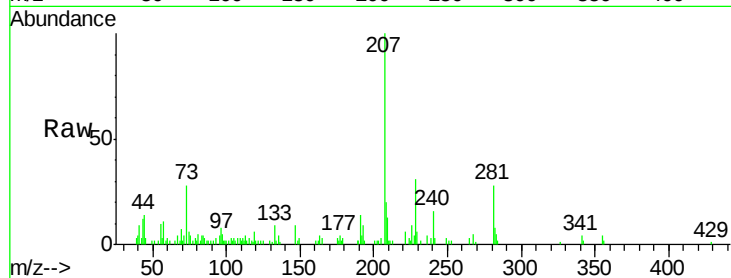
RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006110.D

Acq: 28 Jun 2016 23:50

Tgt Ion:	228	Resp:	8117
Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.6
229	18.8	15.8	23.6



#35

Benzo(b)fluoranthene

Concen: 0.15 ng/ul

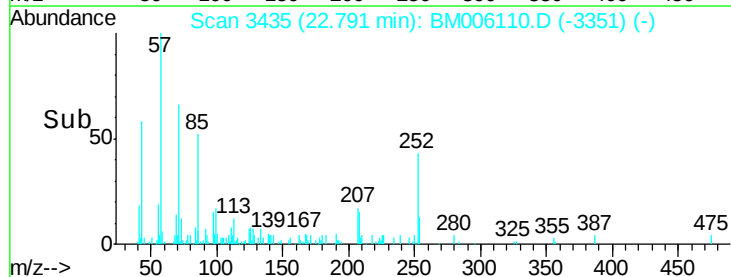
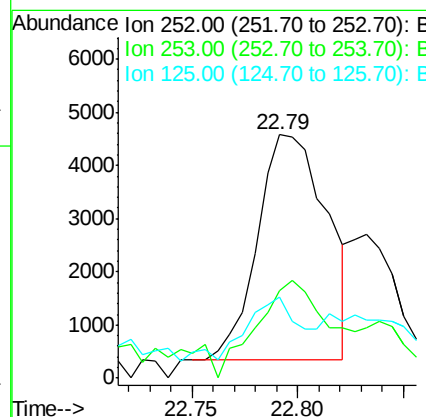
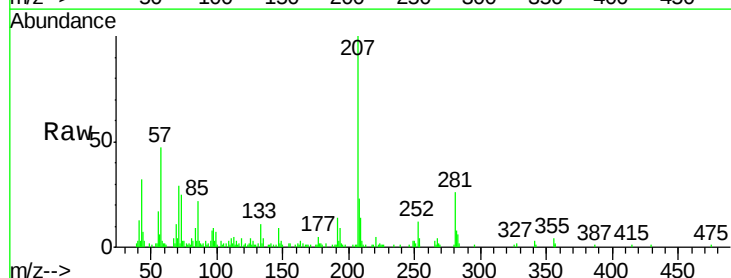
RT: 22.79 min Scan# 3435

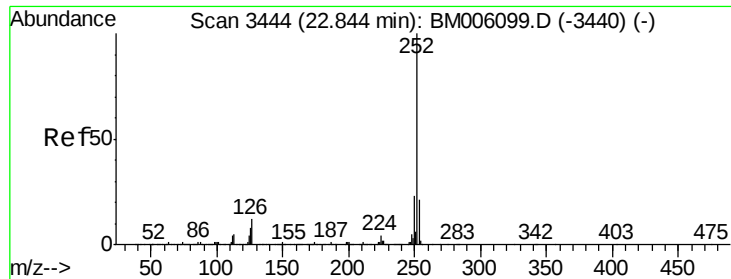
Delta R.T. -0.01 min

Lab File: BM006110.D

Acq: 28 Jun 2016 23:50

Tgt Ion:	252	Resp:	9697
Ion	Ratio	Lower	Upper
252	100		
253	35.8	17.2	25.8#
125	33.4	7.8	11.6#





#36

Benzo(k)fluoranthene

Concen: 0.16 ng/ul

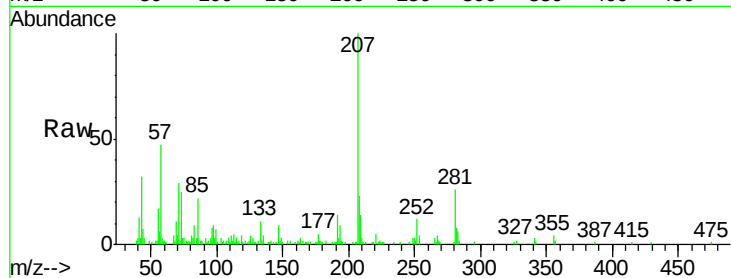
RT: 22.79 min Scan# 3435

Delta R.T. -0.05 min

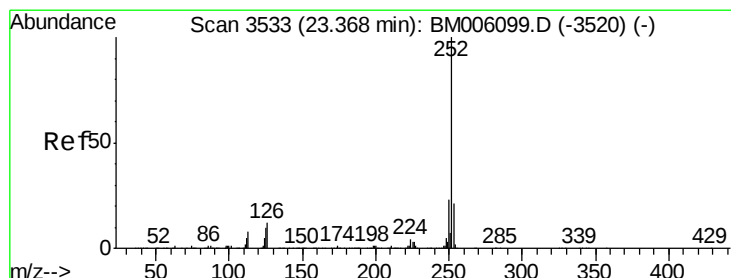
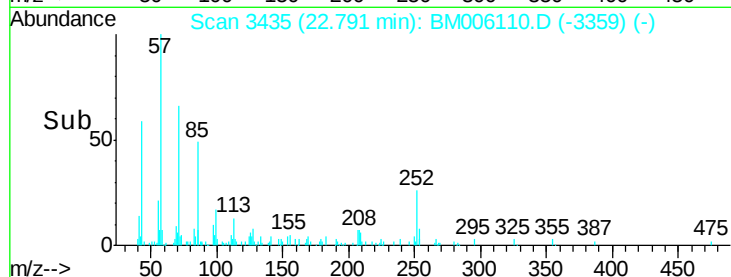
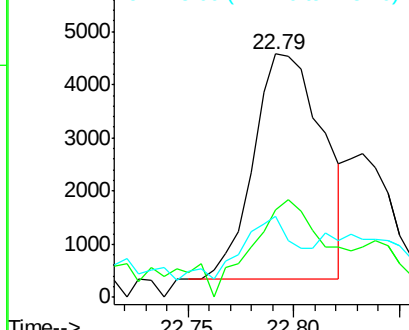
Lab File: BM006110.D

Acq: 28 Jun 2016 23:50

Tgt Ion:	252	Resp:	9697
Ion Ratio	Lower	Upper	
252	100		
253	35.8	17.6	26.4#
125	33.4	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

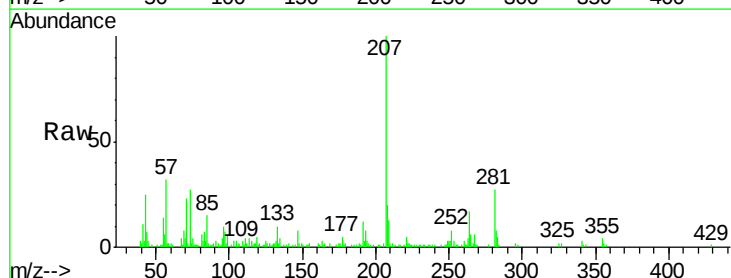
RT: 23.36 min Scan# 3531

Delta R.T. -0.01 min

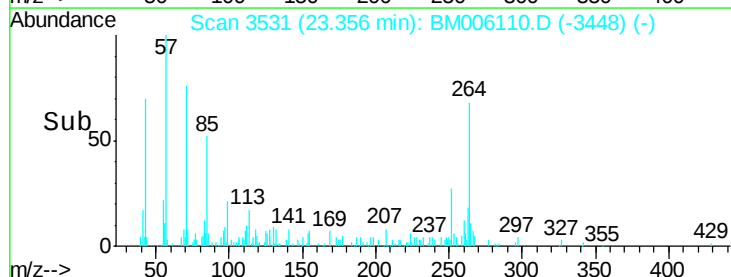
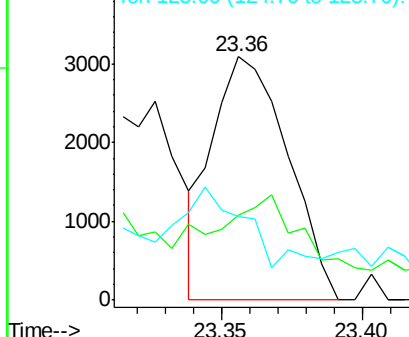
Lab File: BM006110.D

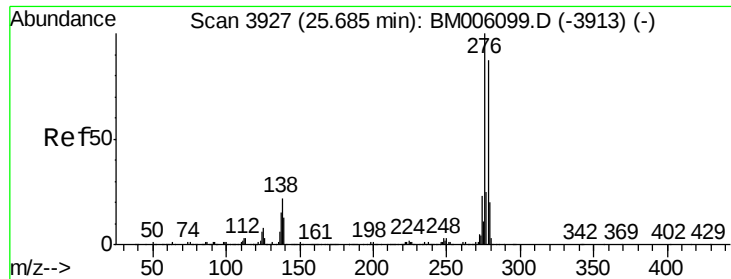
Acq: 28 Jun 2016 23:50

Tgt Ion:	252	Resp:	5745
Ion Ratio	Lower	Upper	
252	100		
253	34.9	17.8	26.6#
125	34.2	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

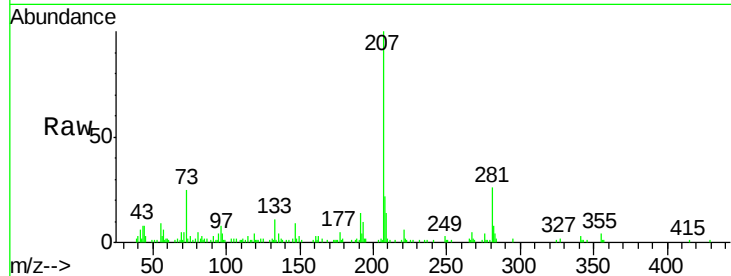




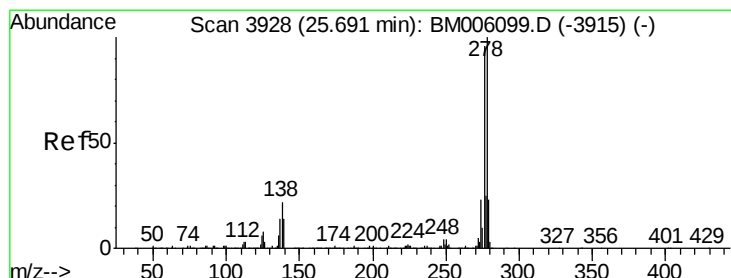
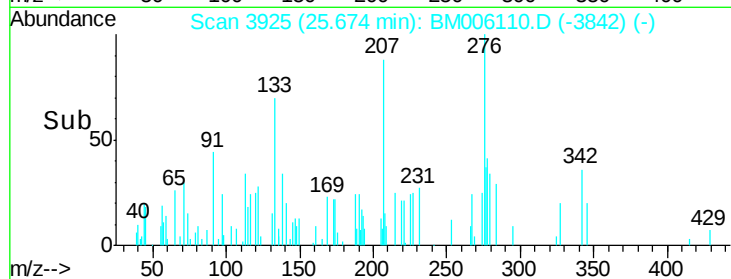
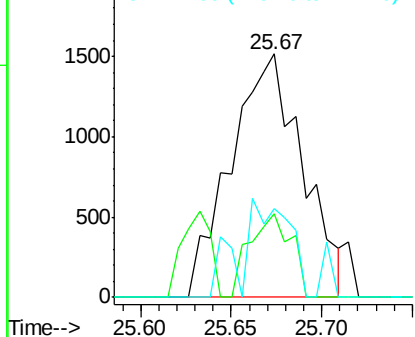
#39

Indeno(1,2,3-cd)pyrene
Concen: 0.06 ng/u1
RT: 25.67 min Scan# 3925
Delta R.T. -0.01 min
Lab File: BM006110.D
Acq: 28 Jun 2016 23:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.1	20.4	30.6#
277	36.5	20.6	30.8#



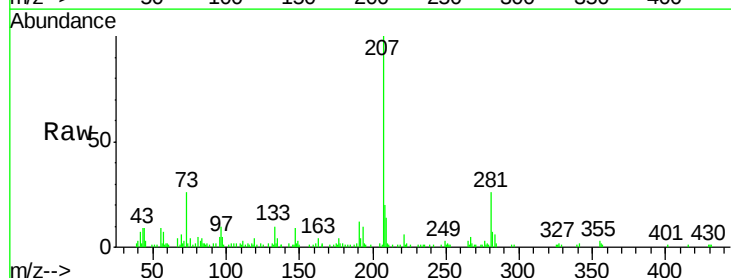
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#40

Dibenzo(a,h)anthracene
Concen: 0.03 ng/u1
RT: 25.68 min Scan# 3926
Delta R.T. -0.01 min
Lab File: BM006110.D
Acq: 28 Jun 2016 23:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	47.9	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

