

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006101.D
 Acq On : 28 Jun 2016 18:26
 Operator : UM/SJ
 Sample : H3779-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 00:58:27 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	197960	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	907051	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	524075	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1068609	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	963411	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	976389	20.00	ng/ul	0.00

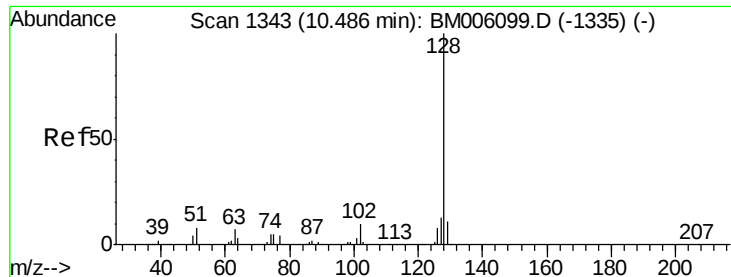
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9819	2.30	ng/uL	0.00
3) Phenol-d5	6.83	99	429396	26.55	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	275389	28.88	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	331531	26.71	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	349608	26.86	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	174967	28.64	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	191442	27.38	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	339017	26.57	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	466712	46.28	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1077550	28.68	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1367254	29.99	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	160629	22.54	ng/ul	0.00
21) Fluorene-d10	15.30	176	908976	28.36	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	90012	23.78	ng/ul	0.00
26) Anthracene-d10	17.15	188	1258512	29.36	ng/ul	0.00
30) Pyrene-d10	19.45	212	1270580	32.75	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1167701	30.05	ng/ul	0.00

Target Compounds

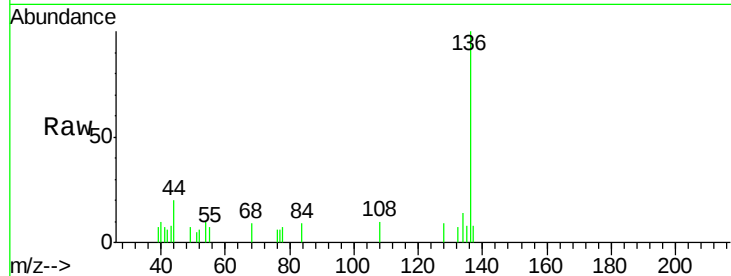
						Qvalue
11) Naphthalene	10.47	128	732	0.02	ng/ul#	69
13) 2-Methylnaphthalene	12.10	142	291	0.01	ng/ul#	6
14) 1-Methylnaphthalene	12.33	142	275	0.01	ng/ul#	7
18) Acenaphthylene	14.02	152	758	0.02	ng/ul#	61
22) Fluorene	15.36	166	282	0.01	ng/ul#	91
25) Phenanthrene	17.09	178	6122	0.12	ng/ul#	91
27) Anthracene	17.18	178	1983	0.04	ng/ul#	61
28) Fluoranthene	19.12	202	24585	0.40	ng/ul	98
31) Pyrene	19.48	202	20056	0.39	ng/ul#	93
32) Benzo(a)anthracene	21.23	228	13215	0.26	ng/ul	95
33) Chrysene	21.28	228	10539	0.23	ng/ul	98
35) Benzo(b)fluoranthene	22.80	252	13640	0.27	ng/ul#	78
36) Benzo(k)fluoranthene	22.88	252	620	0.01	ng/ul#	1
38) Benzo(a)pyrene	23.36	252	10265	0.21	ng/ul#	78
39) Indeno(1,2,3-cd)pyrene	25.67	276	4717	0.09	ng/ul#	88
40) Dibenzo(a,h)anthracene	25.67	278	213	0.01	ng/ul#	61
41) Benzo(g,h,i)perylene	26.36	276	5450	0.13	ng/ul#	77

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

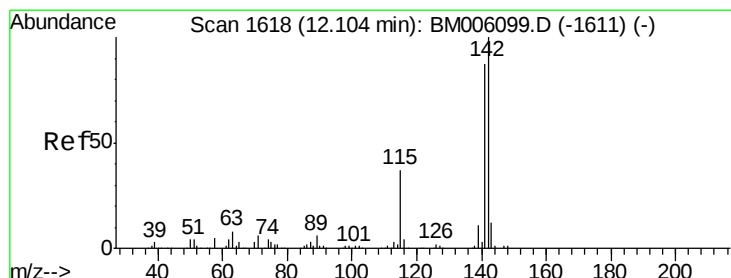
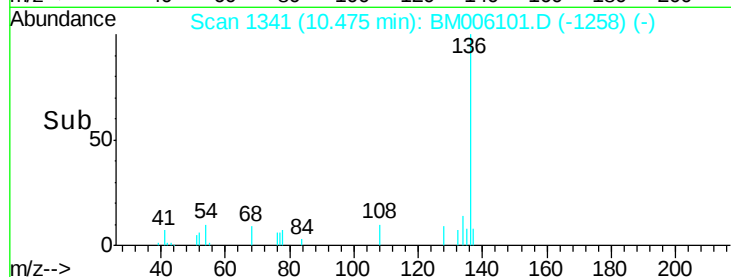
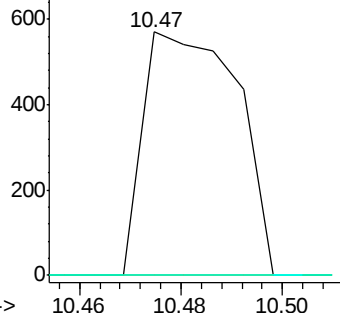


#11
Naphthalene
Concen: 0.02 ng/ul
RT: 10.47 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BM006101.D
Acq: 28 Jun 2016 18:26

Tgt Ion:128 Resp: 732
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.5 15.7#

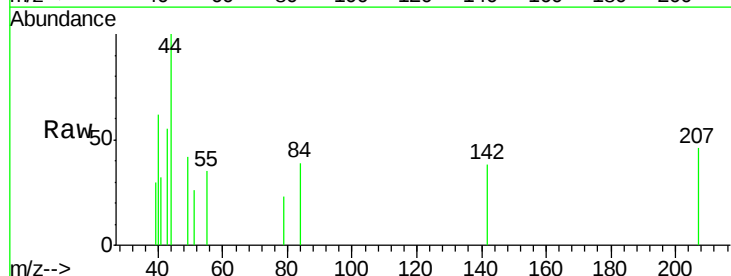


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

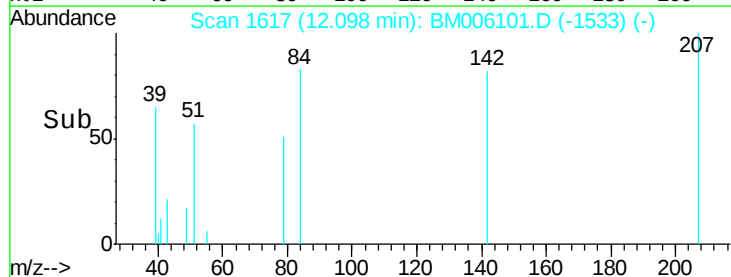
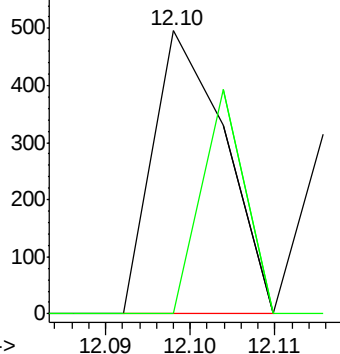


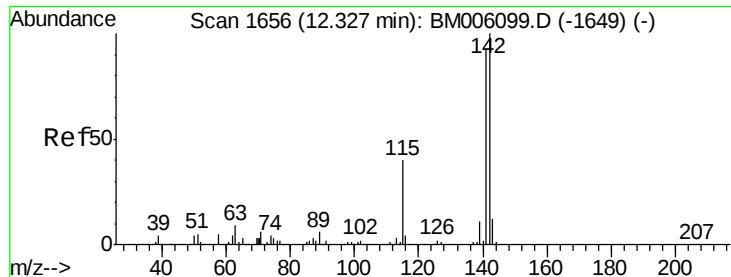
#13
2-Methylnaphthalene
Concen: 0.01 ng/ul
RT: 12.10 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BM006101.D
Acq: 28 Jun 2016 18:26

Tgt Ion:142 Resp: 291
Ion Ratio Lower Upper
142 100
141 0.0 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: 0.01 ng/ul

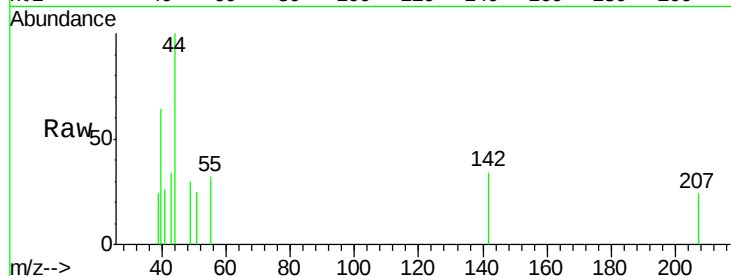
RT: 12.33 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BM006101.D

Acq: 28 Jun 2016 18:26

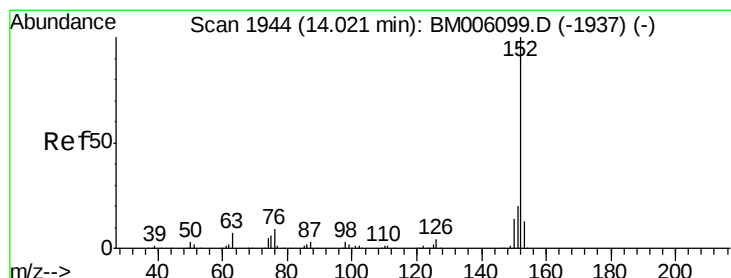
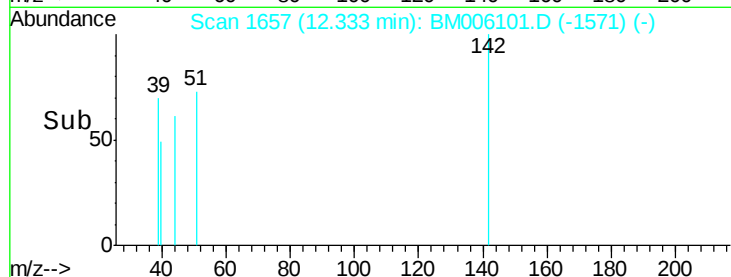
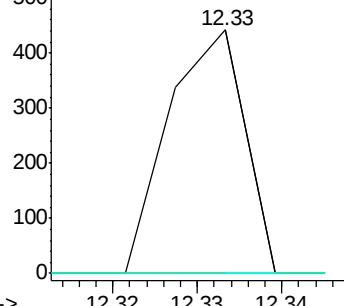
Tgt Ion:	142	Resp:	275
Ion	Ratio	Lower	Upper
142	100		
141	0.0	73.0	109.4#
116	0.0	3.0	4.6#



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: 0.02 ng/ul

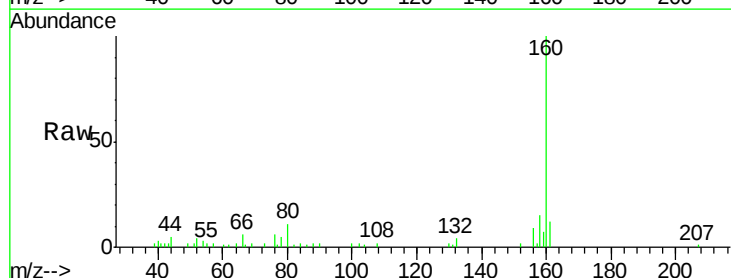
RT: 14.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BM006101.D

Acq: 28 Jun 2016 18:26

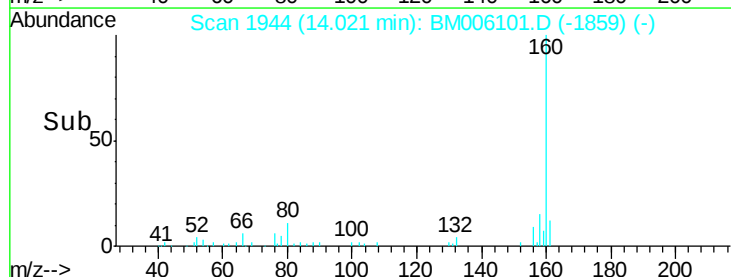
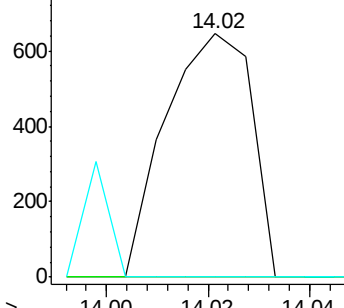
Tgt Ion:	152	Resp:	758
Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.8	23.6#
153	0.0	10.3	15.5#

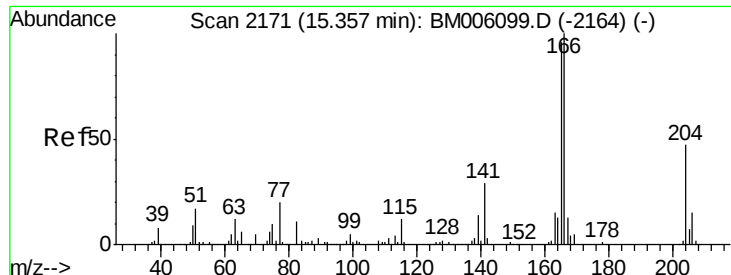


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

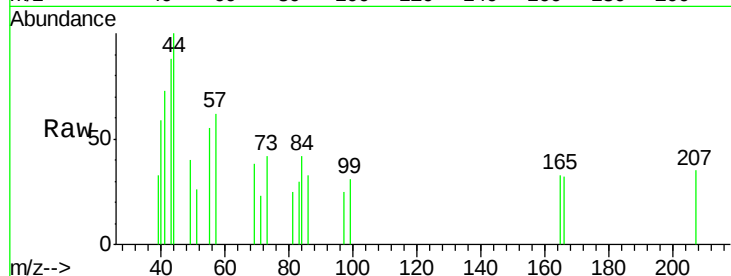
Ion 153.00 (152.70 to 153.70): E



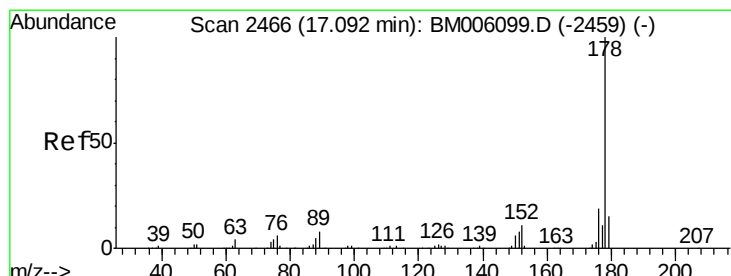
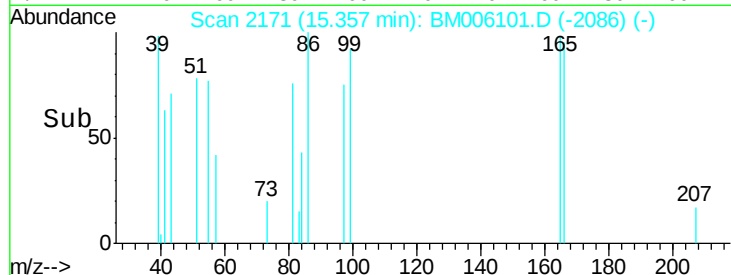
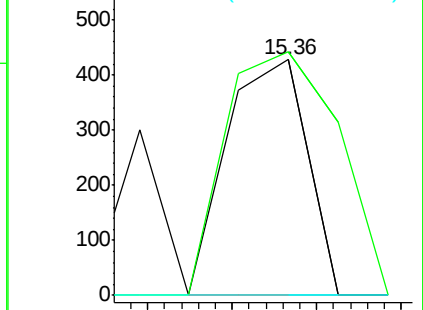


#22
 Fluorene
 Concen: 0.01 ng/ul
 RT: 15.36 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: BM006101.D
 Acq: 28 Jun 2016 18:26

Tgt Ion:166 Resp: 282
 Ion Ratio Lower Upper
 166 100
 165 103.3 78.4 117.6
 167 0.0 10.6 16.0#

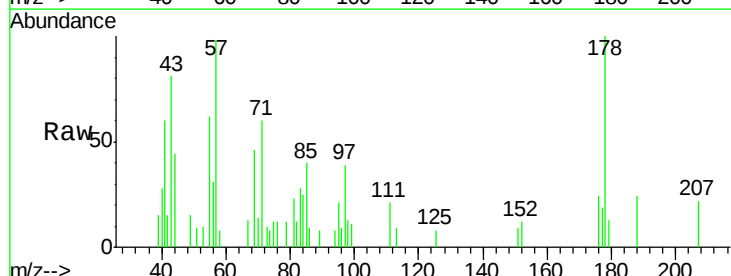


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

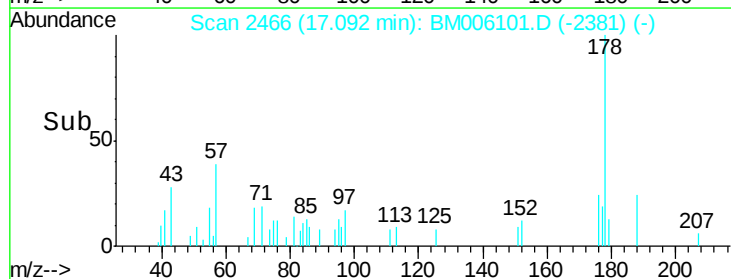
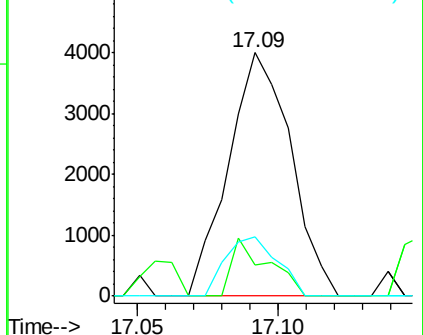


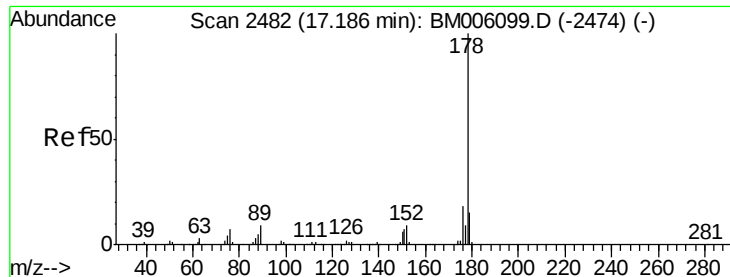
#25
 Phenanthrene
 Concen: 0.12 ng/ul
 RT: 17.09 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BM006101.D
 Acq: 28 Jun 2016 18:26

Tgt Ion:178 Resp: 6122
 Ion Ratio Lower Upper
 178 100
 179 13.0 12.2 18.2
 176 24.4 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: 0.04 ng/ul

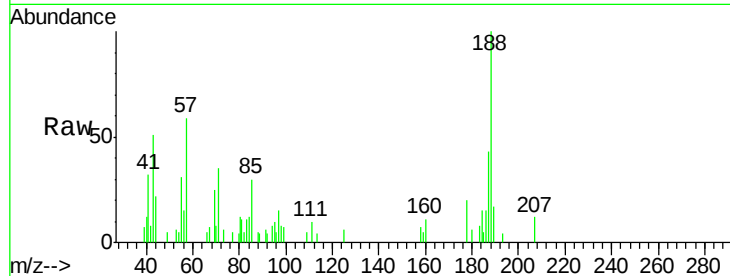
RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM006101.D

Acq: 28 Jun 2016 18:26

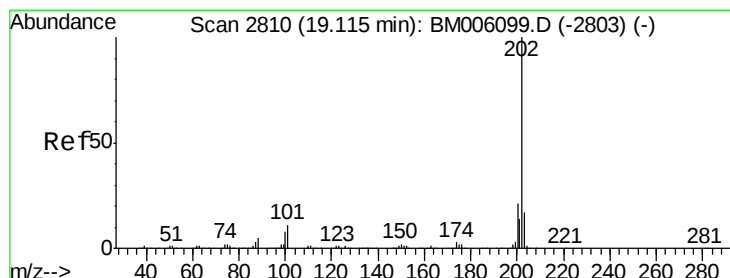
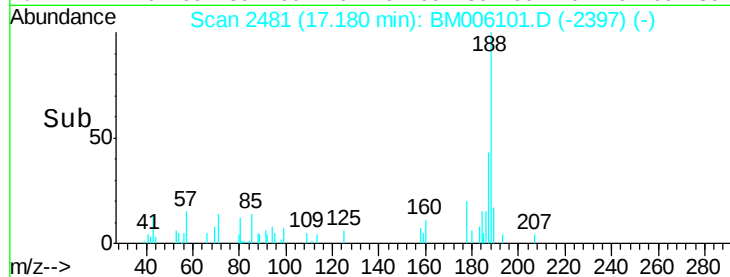
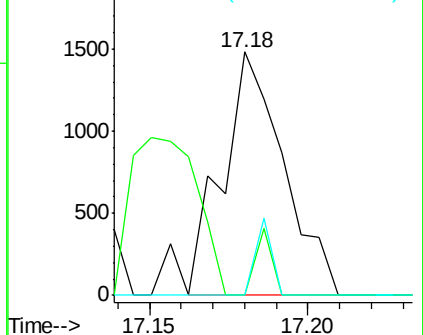
Tgt Ion:	178	Resp:	1983
Ion	Ratio	Lower	Upper
178	100		
179	0.0	12.3	18.5#
176	0.0	14.6	22.0#



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: 0.40 ng/ul

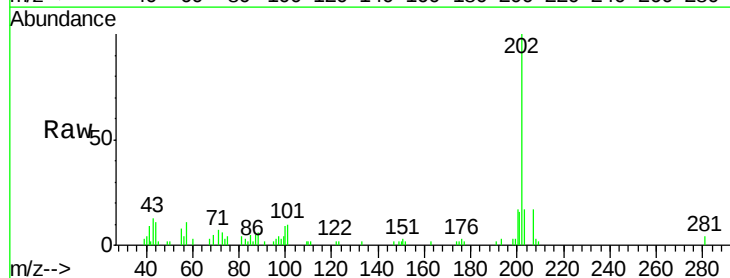
RT: 19.12 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BM006101.D

Acq: 28 Jun 2016 18:26

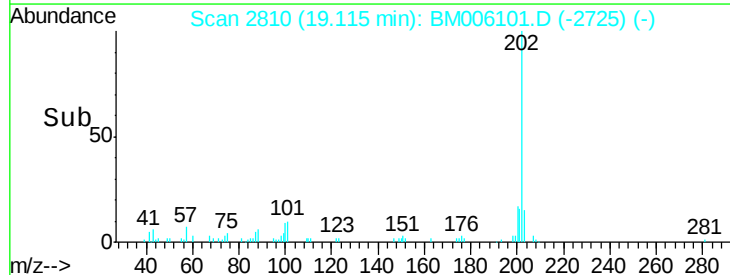
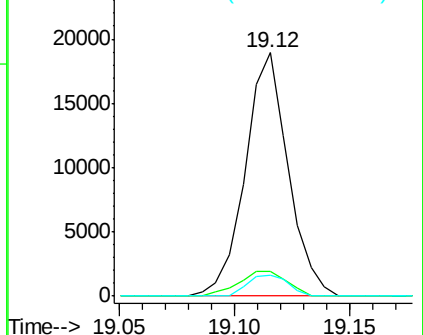
Tgt Ion:	202	Resp:	24585
Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.5	12.7
100	8.8	6.5	9.7

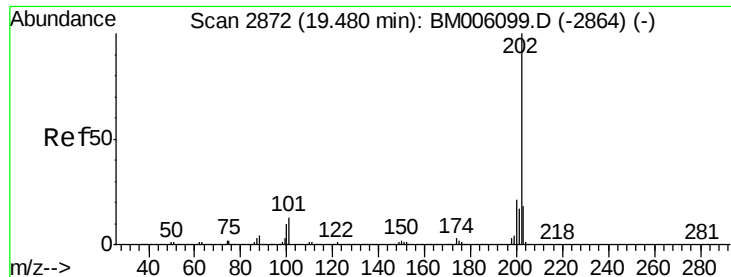


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

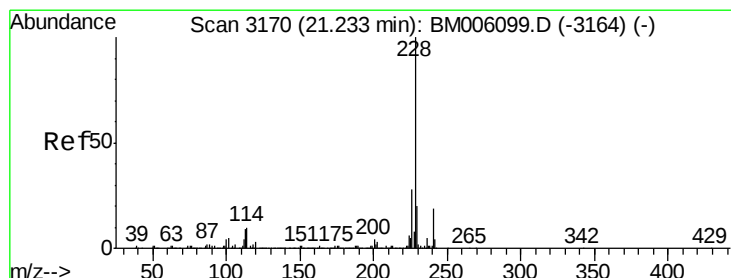
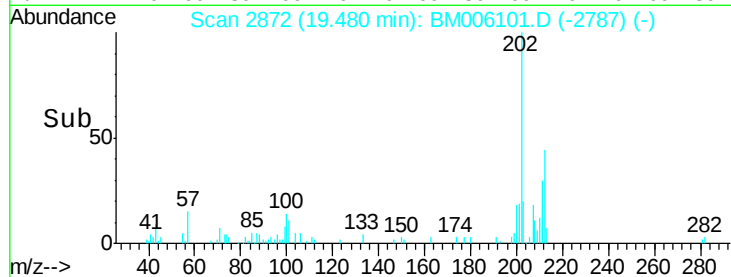
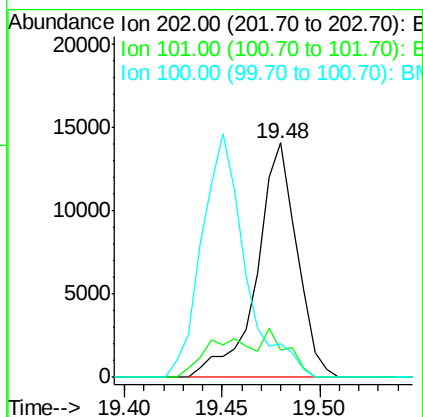
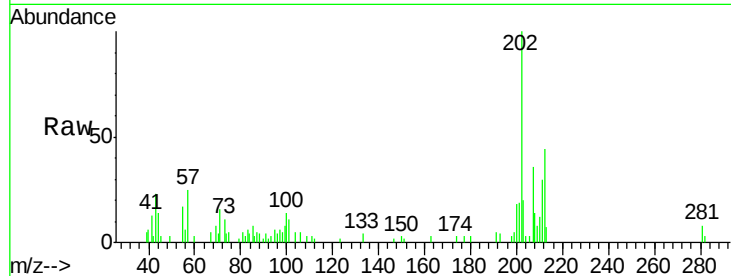
Ion 100.00 (99.70 to 100.70): B





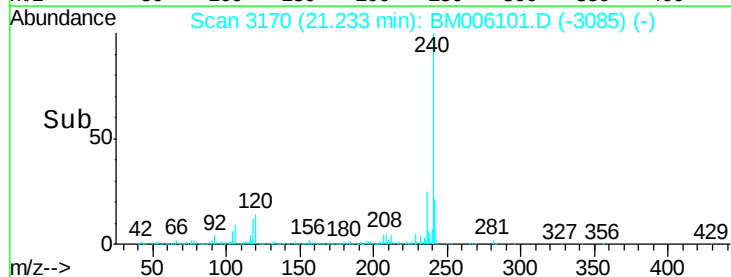
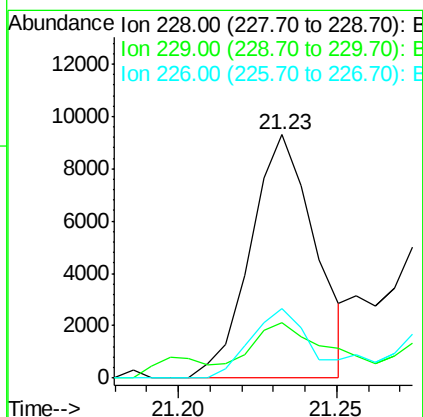
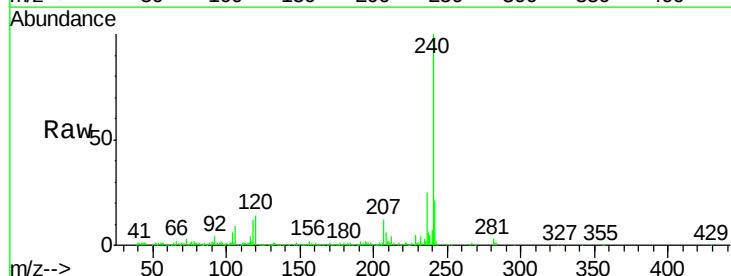
#31
 Pyrene
 Concen: 0.39 ng/ul
 RT: 19.48 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: BM006101.D
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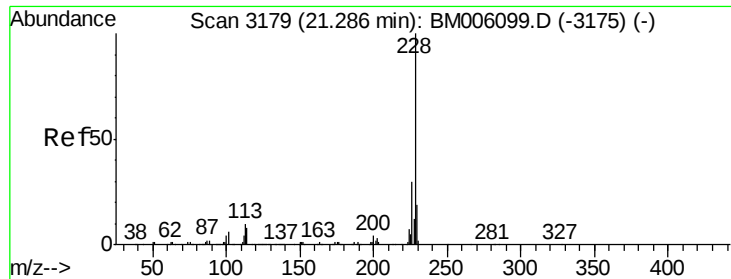
Tgt Ion:	202	Resp:	20056
Ion Ratio	Lower	Upper	
202	100		
101	11.5	11.0	16.4
100	14.5	8.9	13.3#



#32
 Benzo(a)anthracene
 Concen: 0.26 ng/ul
 RT: 21.23 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: BM006101.D
 Acq: 28 Jun 2016 18:26

Tgt Ion:	228	Resp:	13215
Ion Ratio	Lower	Upper	
228	100		
229	22.7	15.6	23.4
226	28.8	21.6	32.4





#33

Chrysene

Concen: 0.23 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006101.D

Acq: 28 Jun 2016 18:26

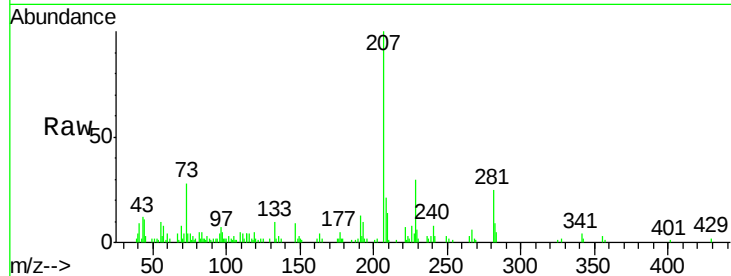
Tgt Ion: 228 Resp: 10539

Ion Ratio Lower Upper

228 100

226 27.8 23.8 35.6

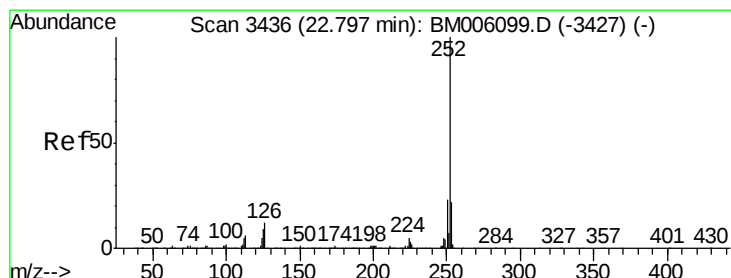
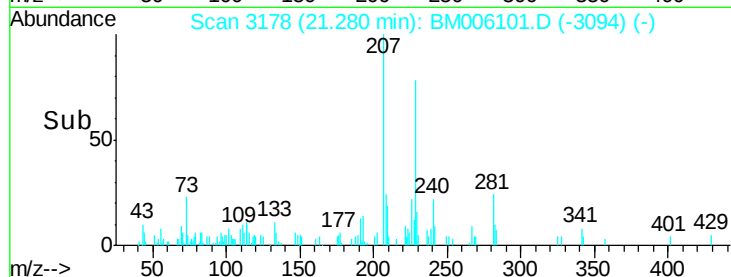
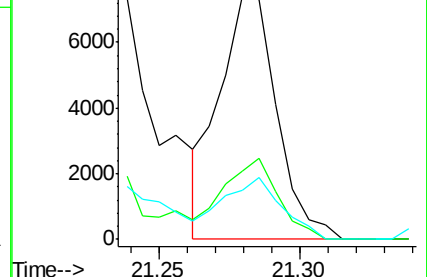
229 20.0 15.8 23.6



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: 0.27 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BM006101.D

Acq: 28 Jun 2016 18:26

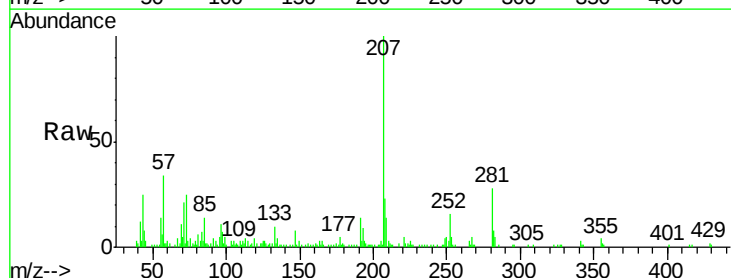
Tgt Ion: 252 Resp: 13640

Ion Ratio Lower Upper

252 100

253 29.5 17.2 25.8#

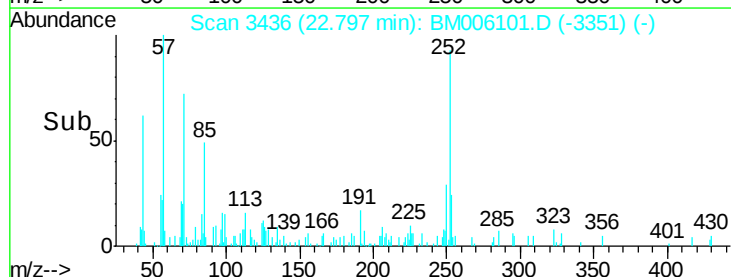
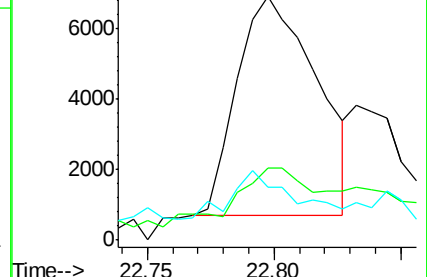
125 21.9 7.8 11.6#

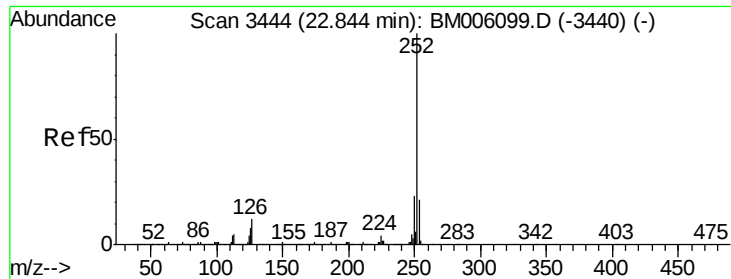


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

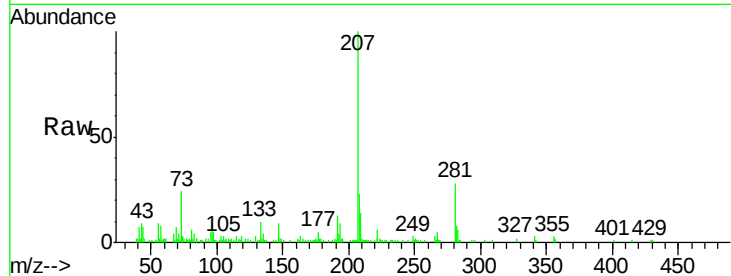
RT: 22.88 min Scan# 3450

Delta R.T. 0.04 min

Lab File: BM006101.D

Acq: 28 Jun 2016 18:26

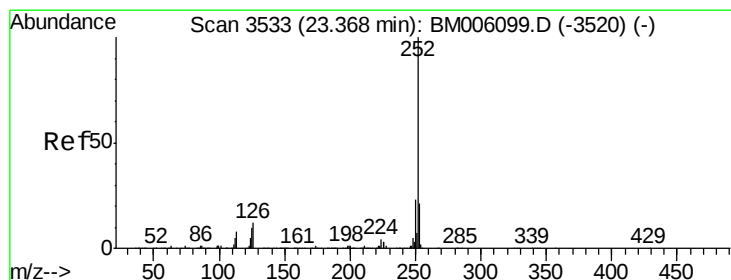
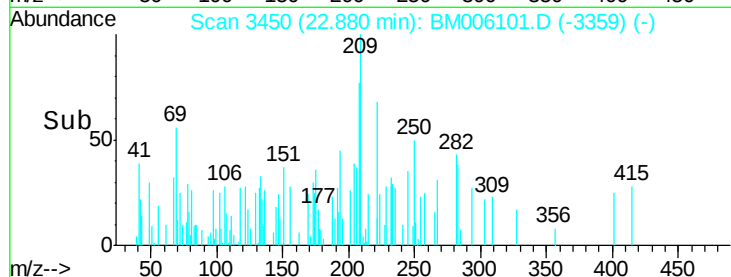
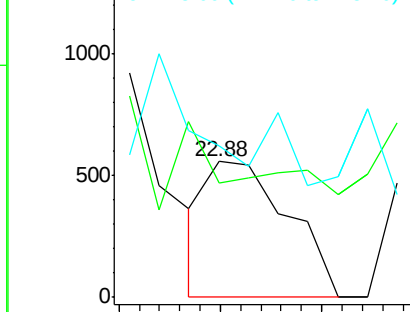
Tgt Ion:	252	Resp:	620
Ion Ratio	Lower	Upper	
252	100		
253	83.9	17.6	26.4#
125	111.6	8.1	12.1#



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: 0.21 ng/ul

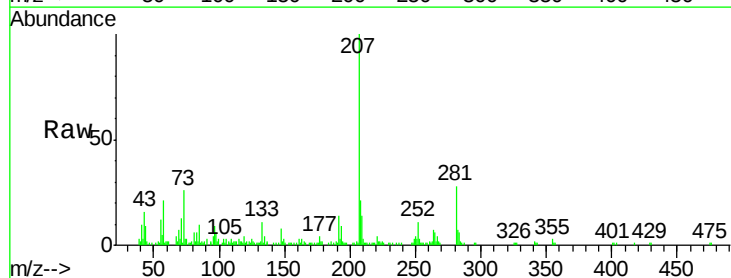
RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006101.D

Acq: 28 Jun 2016 18:26

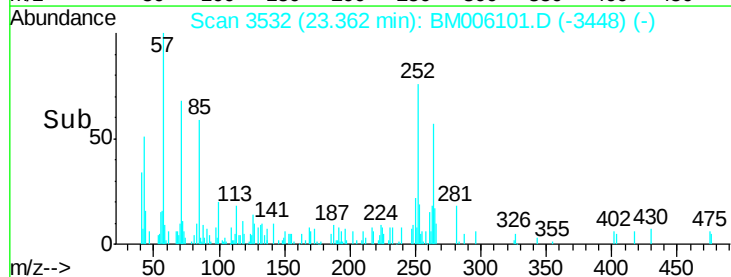
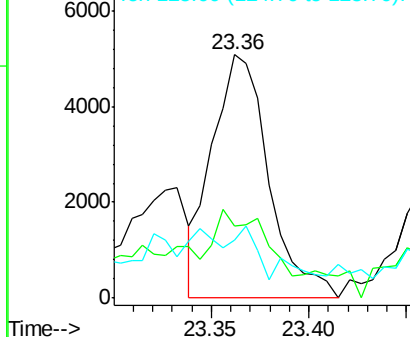
Tgt Ion:	252	Resp:	10265
Ion Ratio	Lower	Upper	
252	100		
253	29.5	17.8	26.6#
125	23.9	8.7	13.1#

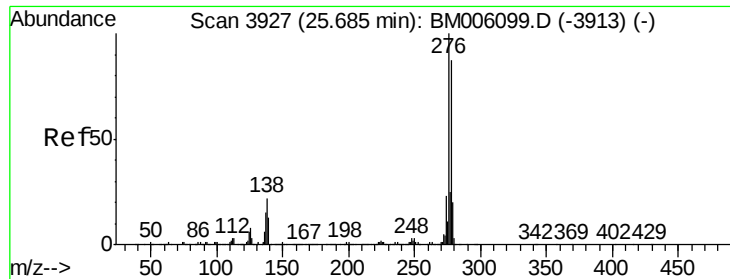


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

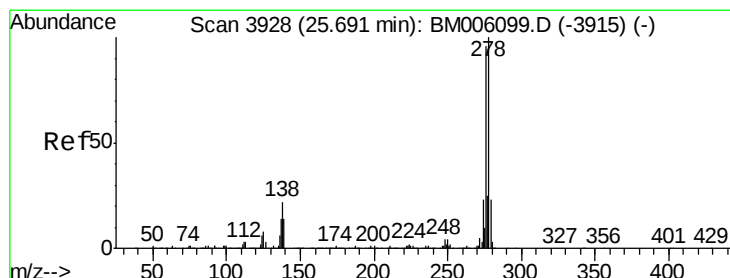
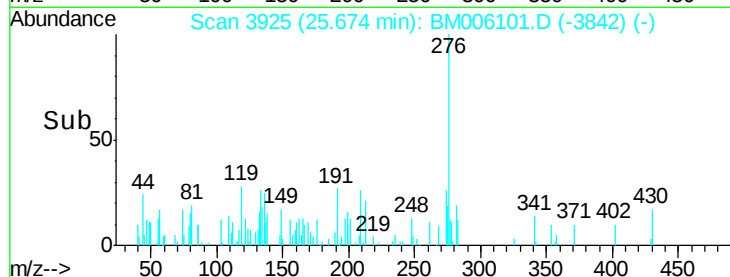
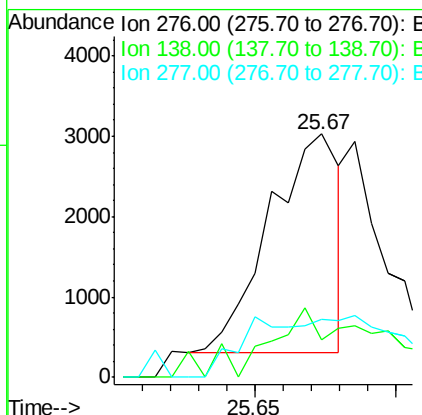
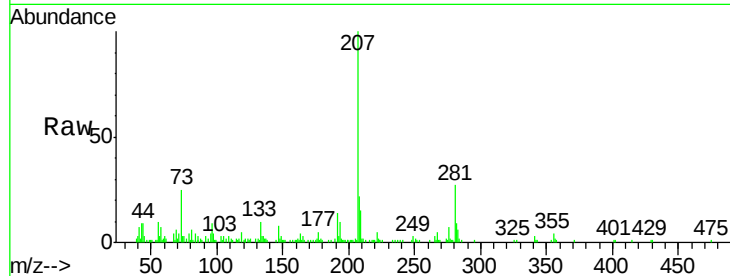




#39

Indeno(1,2,3-cd)pyrene
Concen: 0.09 ng/ul
RT: 25.67 min Scan# 3925
Delta R.T. -0.01 min
Lab File: BM006101.D
Acq: 28 Jun 2016 18:26

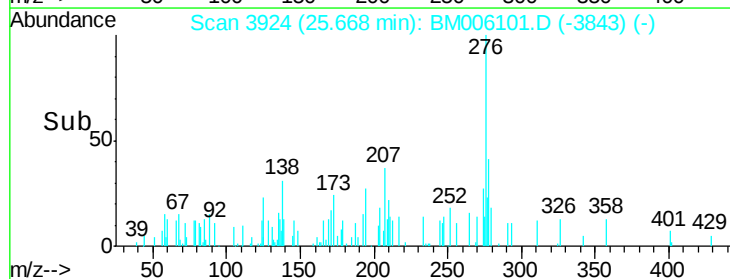
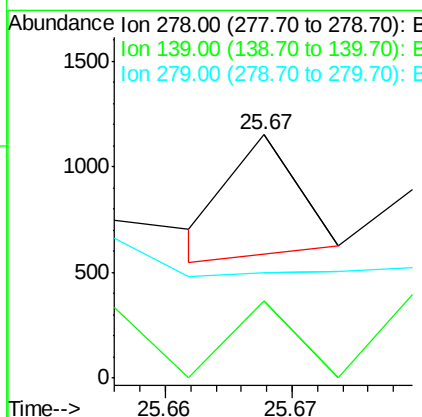
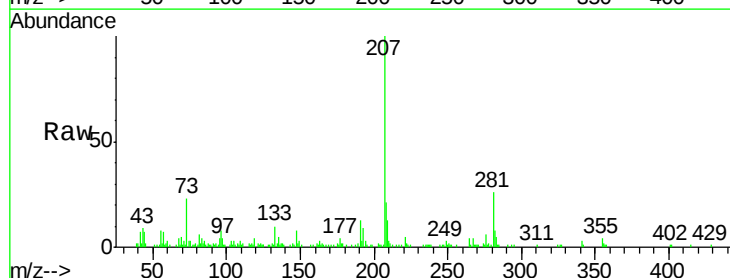
Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	20.4	30.6#
277	23.9	20.6	30.8

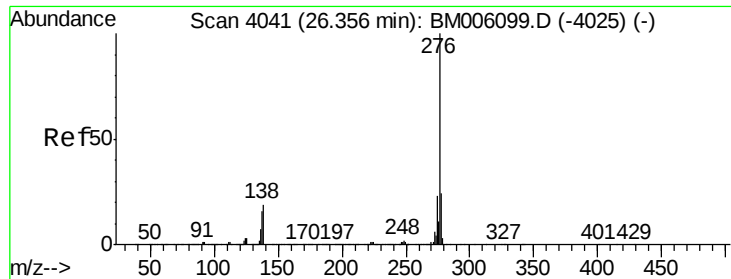


#40

Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 25.67 min Scan# 3924
Delta R.T. -0.02 min
Lab File: BM006101.D
Acq: 28 Jun 2016 18:26

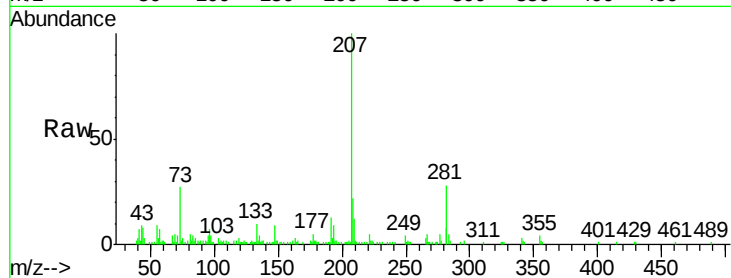
Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.9	13.0	19.4#
279	43.4	18.8	28.2#





#41
 Benzo(g,h,i)perylene
 Concen: 0.13 ng/ul
 RT: 26.36 min Scan# 4041
 Delta R.T. 0.00 min
 Lab File: BM006101.D
 Acq: 28 Jun 2016 18:26

Tgt Ion:	276	Resp:	5450
Ion	Ratio	Lower	Upper
276	100		
138	32.1	16.6	25.0#
277	34.1	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

