

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062816\
 Data File : BM006115.D
 Acq On : 29 Jun 2016 02:50
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 03:43:17 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	221566	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1063818	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	672173	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1604082	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1792459	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1772585	20.00	ng/ul	0.00

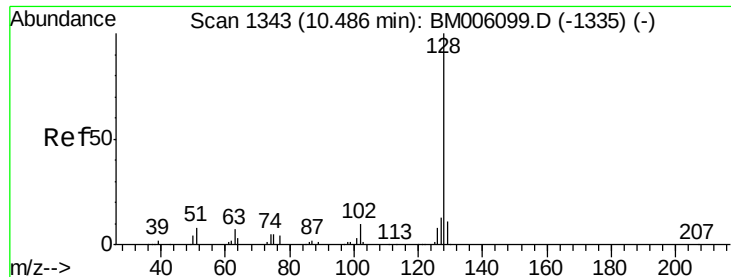
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	29875	6.26	ng/uL	0.00
3) Phenol-d5	6.82	99	298909	16.51	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	183006	17.15	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	223820	16.11	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	244763	16.80	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	114575	15.99	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	126033	15.37	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	240503	16.07	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	195515	16.53	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	769244	15.96	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	955334	16.34	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	148025	16.19	ng/ul	0.00
21) Fluorene-d10	15.30	176	661599	16.09	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	123272	21.70	ng/ul	0.00
26) Anthracene-d10	17.15	188	1058298	16.45	ng/ul	0.00
30) Pyrene-d10	19.45	212	1205662	16.70	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.31	264	1147284	16.26	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.48	128	753730	16.19	ng/ul	99
13) 2-Methylnaphthalene	12.10	142	578964	16.36	ng/ul	98
14) 1-Methylnaphthalene	12.33	142	546117	16.23	ng/ul	100
18) Acenaphthylene	14.02	152	1015713	16.59	ng/ul	100
19) Acenaphthene	14.37	153	629495	16.11	ng/ul	99
22) Fluorene	15.36	166	735432	16.54	ng/ul	99
25) Phenanthrene	17.09	178	1232853	16.24	ng/ul	100
27) Anthracene	17.19	178	1286863	16.49	ng/ul	99
28) Fluoranthene	19.12	202	1510320	16.25	ng/ul	100
31) Pyrene	19.48	202	1580947	16.72	ng/ul	95
32) Benzo(a)anthracene	21.23	228	1535210	16.47	ng/ul	99
33) Chrysene	21.28	228	1422606	16.58	ng/ul	100
35) Benzo(b)fluoranthene	22.80	252	1534087	16.68	ng/ul	99
36) Benzo(k)fluoranthene	22.84	252	1473596	17.07	ng/ul	99
38) Benzo(a)pyrene	23.36	252	1413221	16.26	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.67	276	1389609	15.38	ng/ul	96
40) Dibenzo(a,h)anthracene	25.69	278	1161185	15.54	ng/ul	97
41) Benzo(g,h,i)perylene	26.35	276	1146074	15.16	ng/ul	98

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



#11

Naphthalene

Concen: 16.19 ng/ul

RT: 10.48 min Scan# 1342

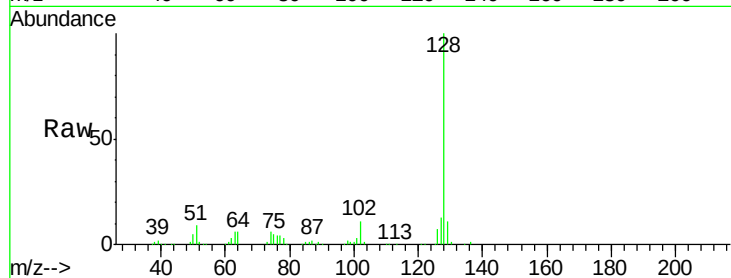
Delta R.T. -0.01 min

Lab File: BM006115.D

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Tgt Ion:128 Resp: 753730

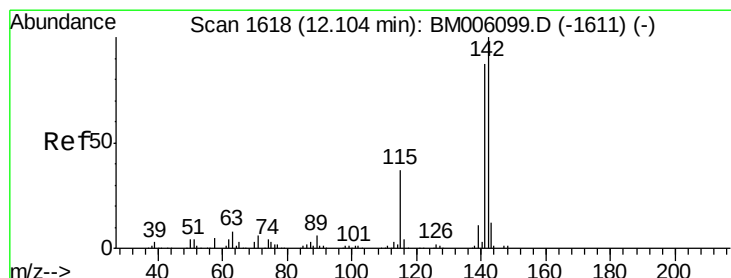
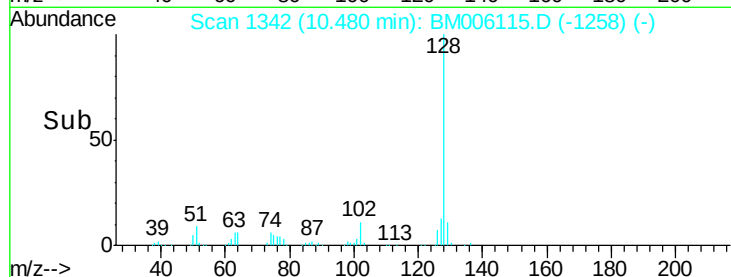
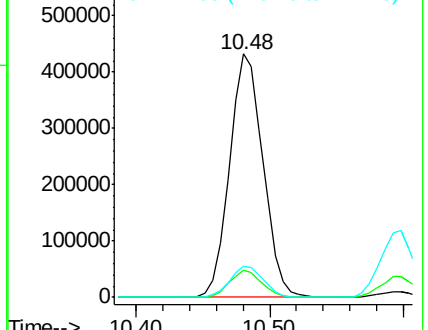
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	12.6	10.5	15.7



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: 16.36 ng/ul

RT: 12.10 min Scan# 1618

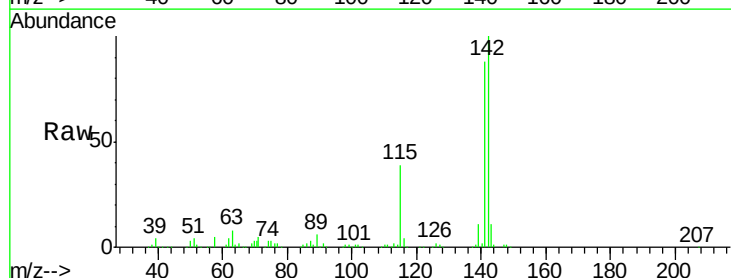
Delta R.T. -0.00 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

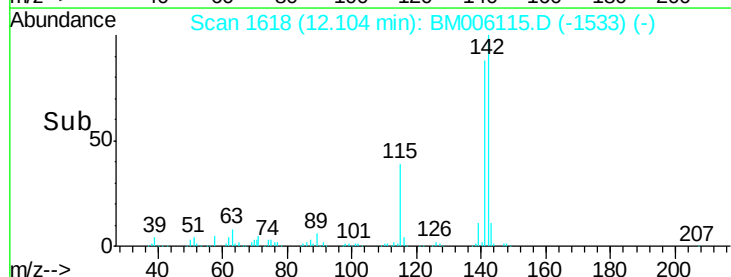
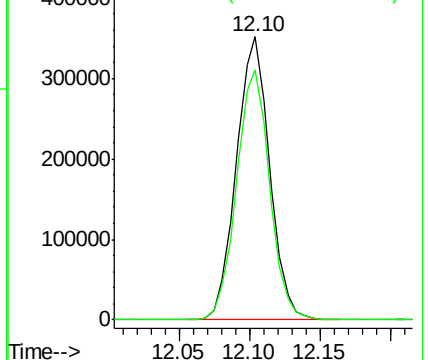
Tgt Ion:142 Resp: 578964

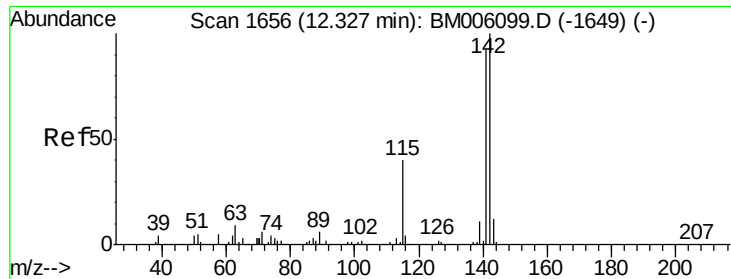
Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.0	103.6



Abundance Ion 142.00 (141.70 to 142.70): E

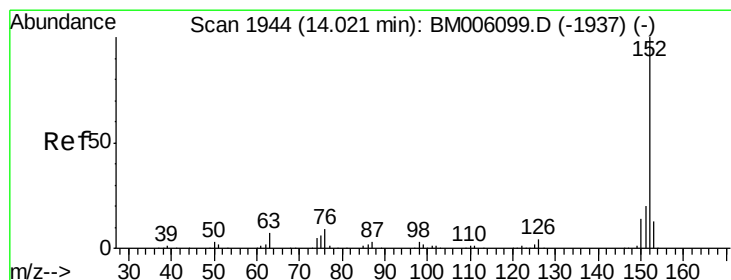
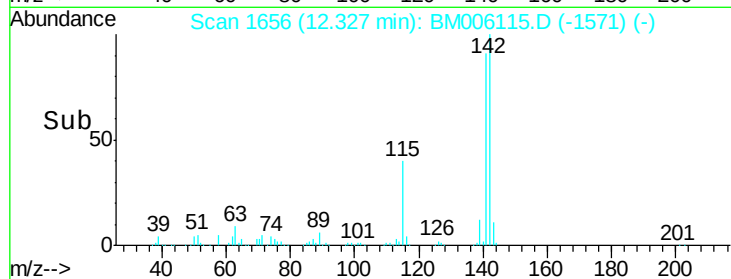
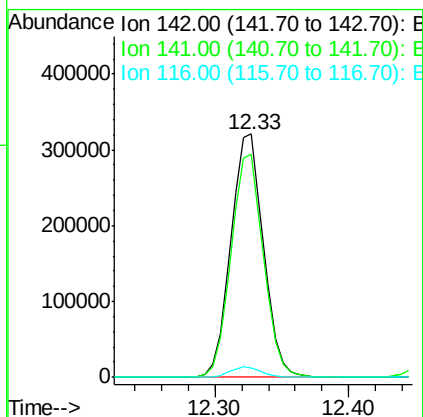
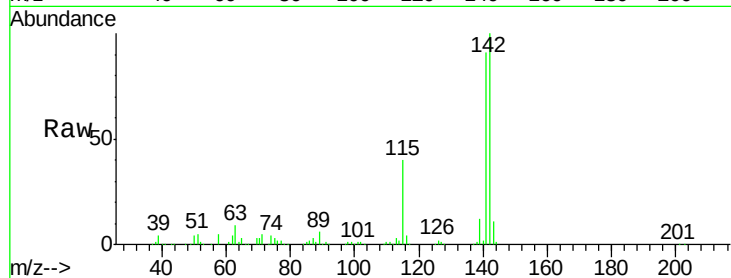
Ion 141.00 (140.70 to 141.70): E





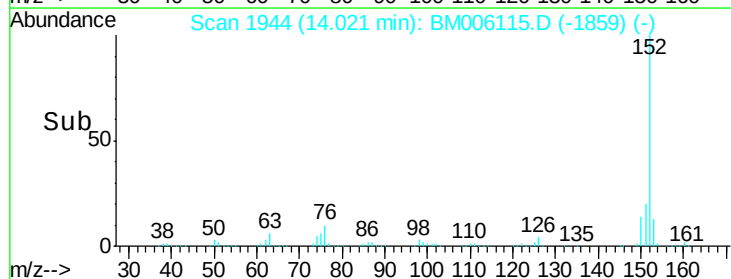
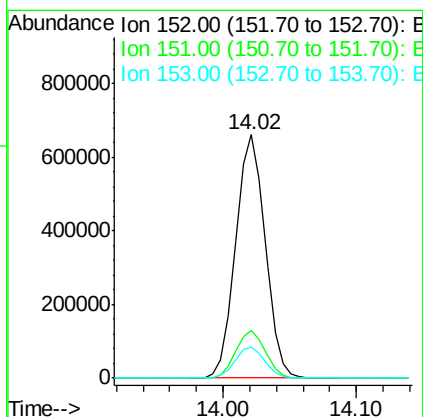
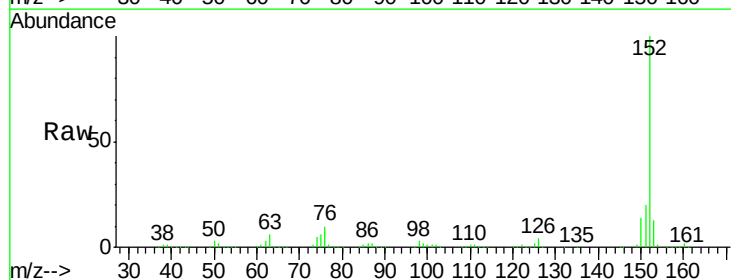
#14
 1-Methylnaphthalene
 Concen: 16.23 ng/ul
 RT: 12.33 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BM006115.D
 Acq: 29 Jun 2016 02:50

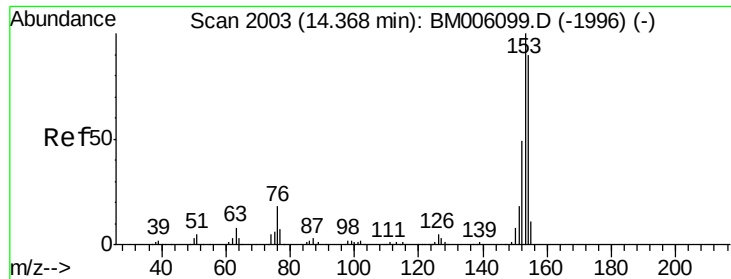
Tgt Ion:	142	Resp:	546117
Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.4
116	3.7	3.0	4.6



#18
 Acenaphthylene
 Concen: 16.59 ng/ul
 RT: 14.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: BM006115.D
 Acq: 29 Jun 2016 02:50

Tgt Ion:	152	Resp:	1015713
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.3	15.5





#19

Acenaphthene

Concen: 16.11 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

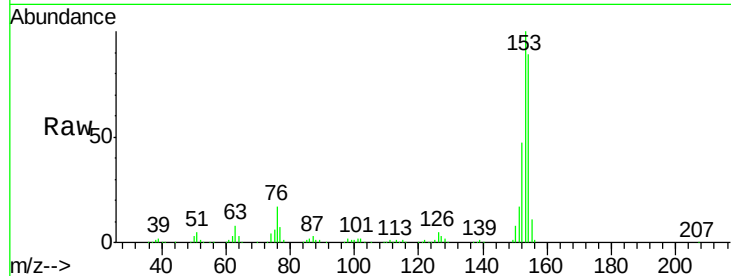
Tgt Ion:153 Resp: 629495

Ion Ratio Lower Upper

153 100

152 46.9 38.1 57.1

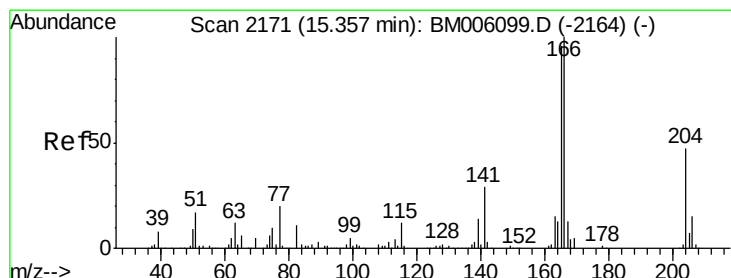
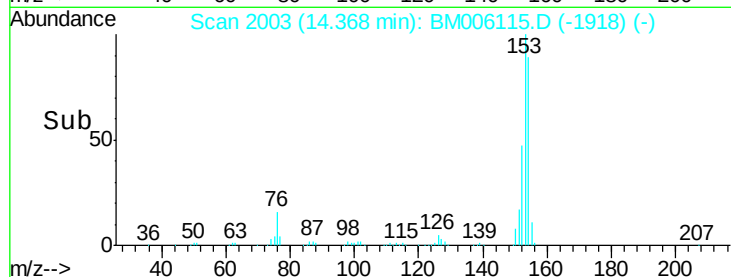
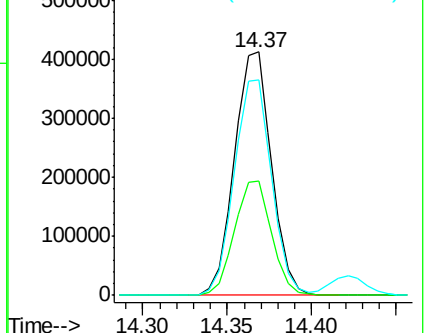
154 88.6 71.6 107.4



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: 16.54 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

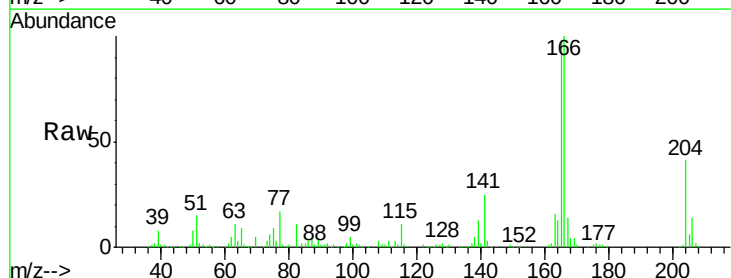
Tgt Ion:166 Resp: 735432

Ion Ratio Lower Upper

166 100

165 98.4 78.4 117.6

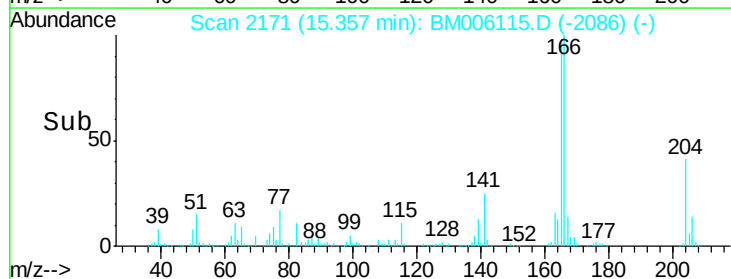
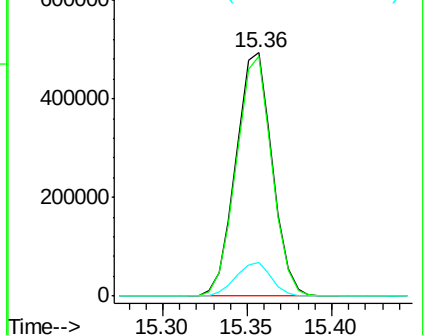
167 13.9 10.6 16.0

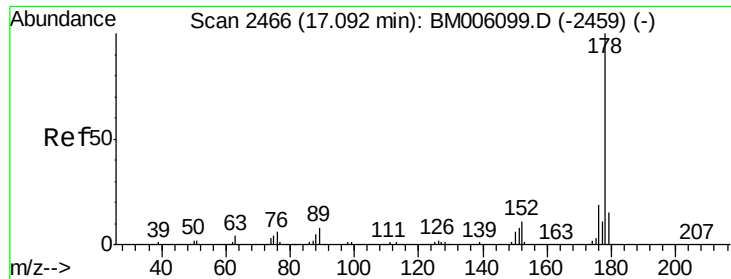


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 16.24 ng/ul

RT: 17.09 min Scan# 2466

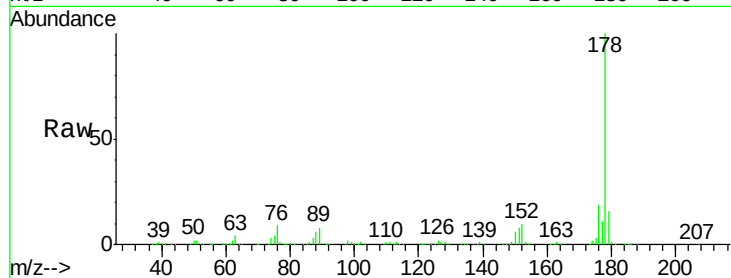
Delta R.T. -0.00 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

Tgt Ion:178 Resp: 1232853

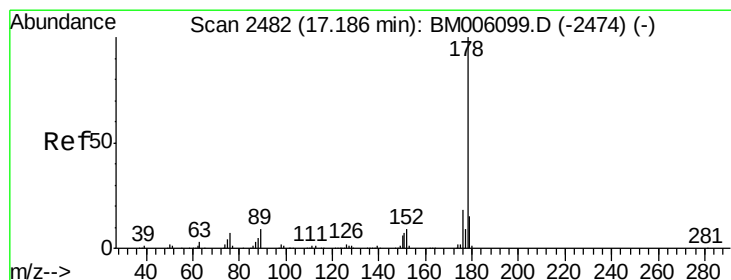
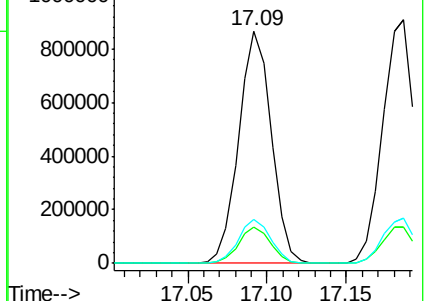
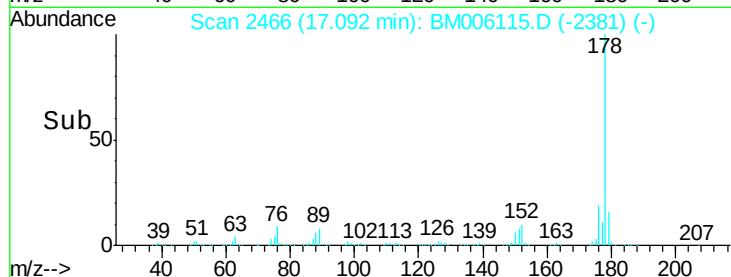
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	19.1	15.3	22.9



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: 16.49 ng/ul

RT: 17.19 min Scan# 2482

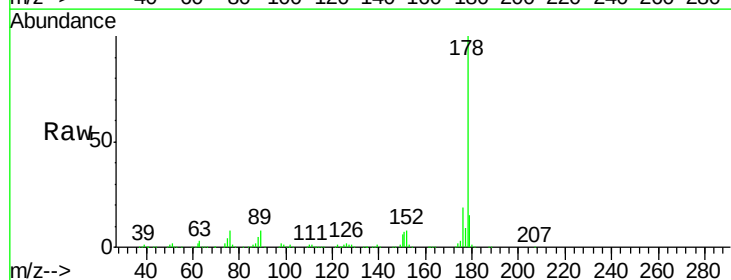
Delta R.T. -0.00 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

Tgt Ion:178 Resp: 1286863

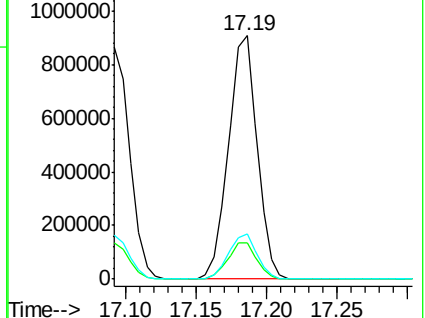
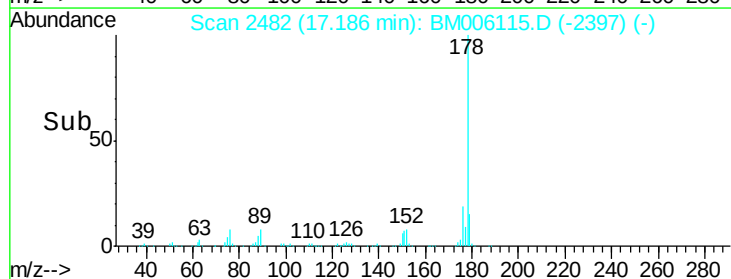
Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	18.7	14.6	22.0

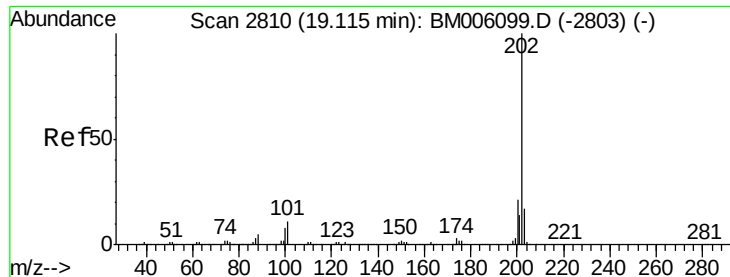


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 16.25 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

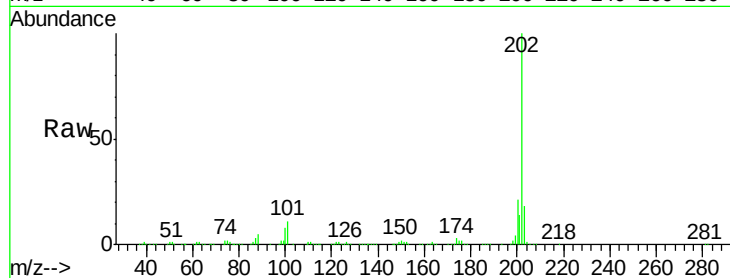
Tgt Ion:202 Resp: 1510320

Ion Ratio Lower Upper

202 100

101 10.7 8.5 12.7

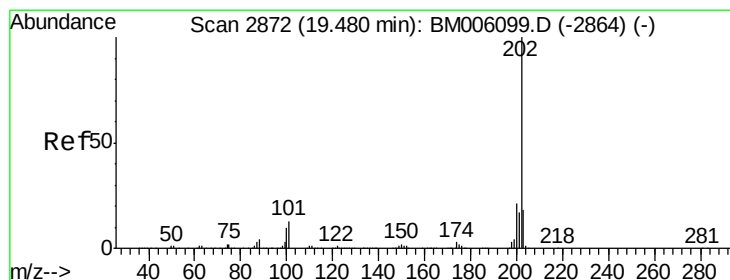
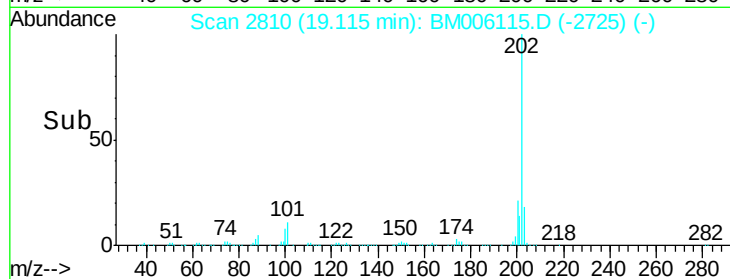
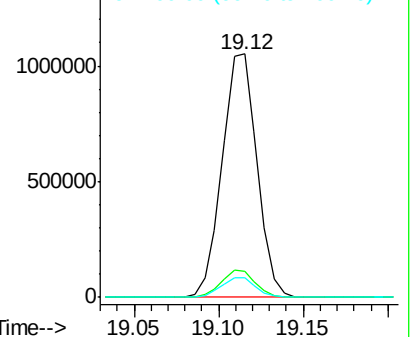
100 7.9 6.5 9.7



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: 16.72 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

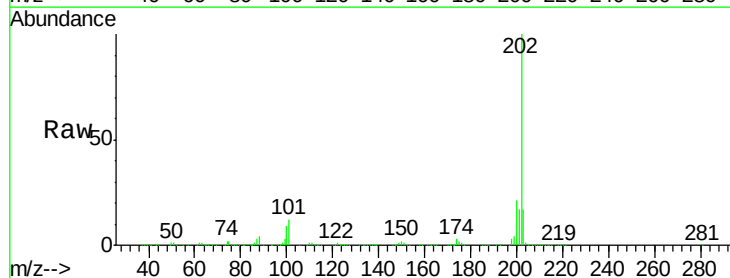
Tgt Ion:202 Resp: 1580947

Ion Ratio Lower Upper

202 100

101 11.8 11.0 16.4

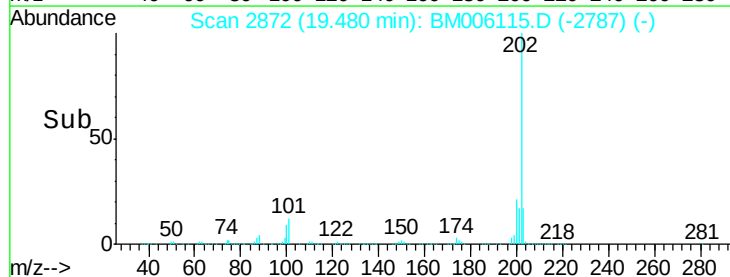
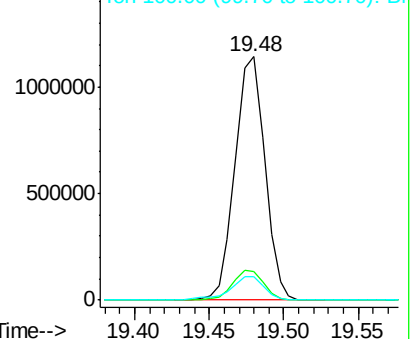
100 9.4 8.9 13.3

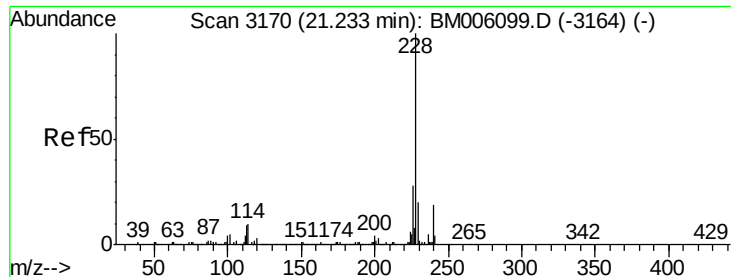


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

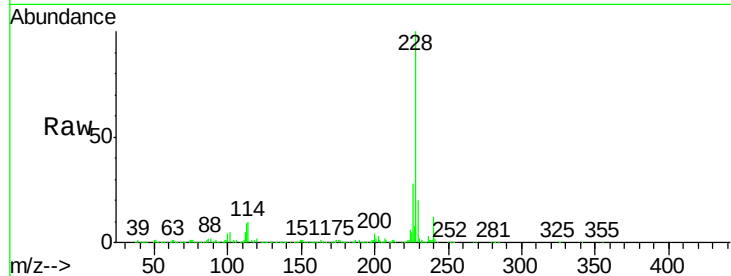
Ion 100.00 (99.70 to 100.70): B



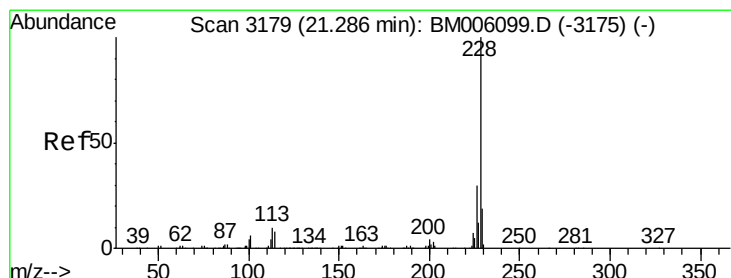
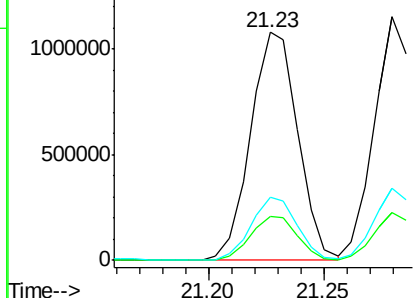
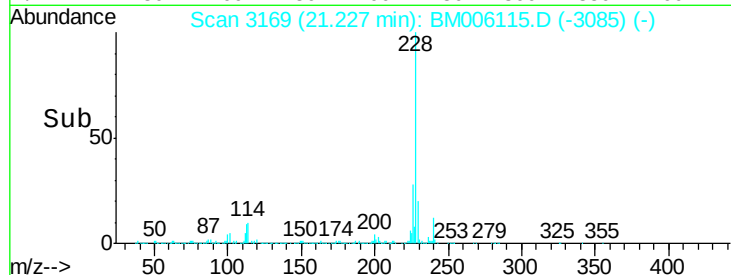


#32
Benzo(a)anthracene
Concen: 16.47 ng/ul
RT: 21.23 min Scan# 3169
Delta R.T. -0.01 min
Lab File: BM006115.D
Acq: 29 Jun 2016 02:50

Tgt Ion:228 Resp: 1535210
Ion Ratio Lower Upper
228 100
229 19.6 15.6 23.4
226 27.8 21.6 32.4

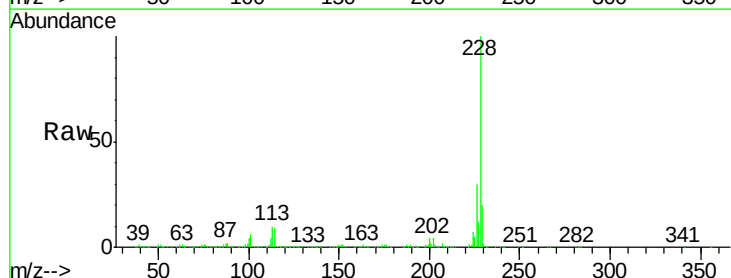


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

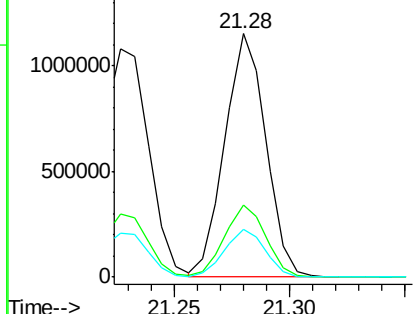
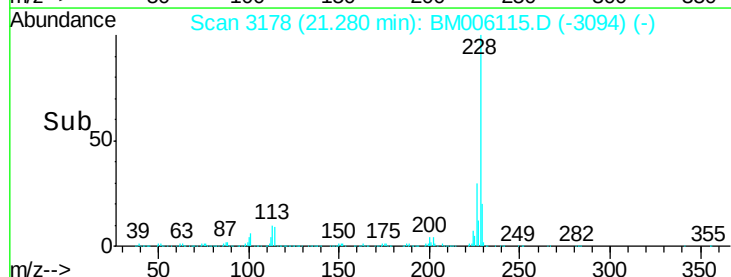


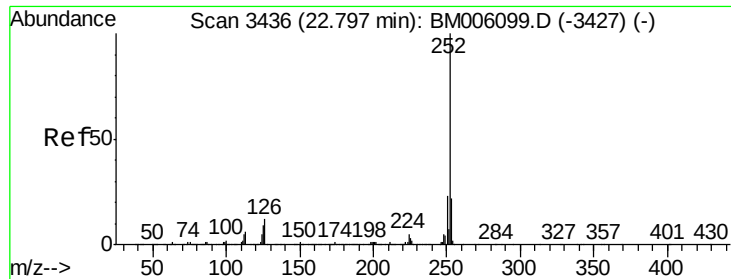
#33
Chrysene
Concen: 16.58 ng/ul
RT: 21.28 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BM006115.D
Acq: 29 Jun 2016 02:50

Tgt Ion:228 Resp: 1422606
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 19.5 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: 16.68 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

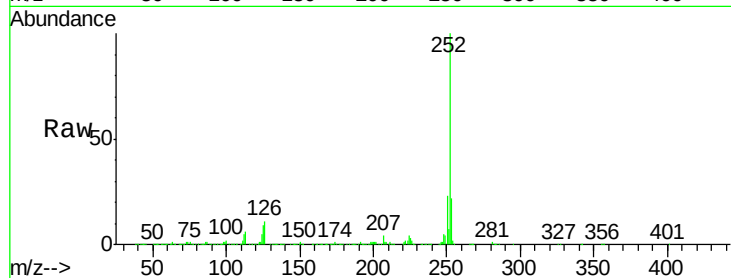
Tgt Ion:252 Resp: 1534087

Ion Ratio Lower Upper

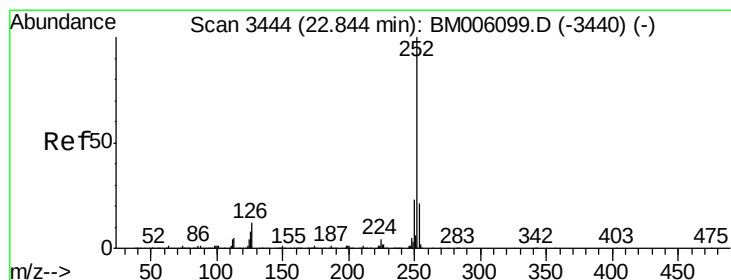
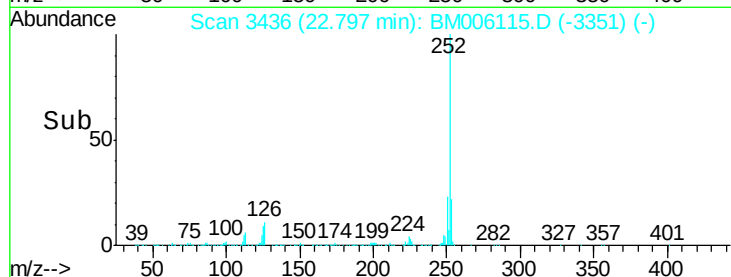
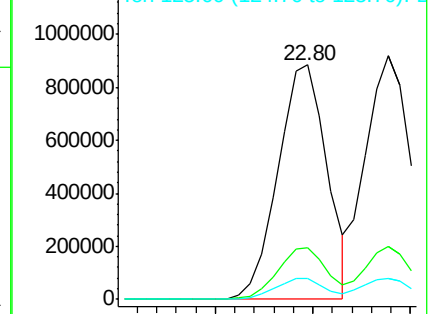
252 100

253 21.8 17.2 25.8

125 8.7 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: 17.07 ng/ul

RT: 22.84 min Scan# 3443

Delta R.T. -0.01 min

Lab File: BM006115.D

Acq: 29 Jun 2016 02:50

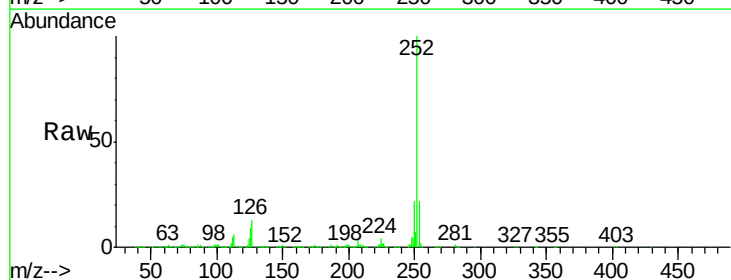
Tgt Ion:252 Resp: 1473596

Ion Ratio Lower Upper

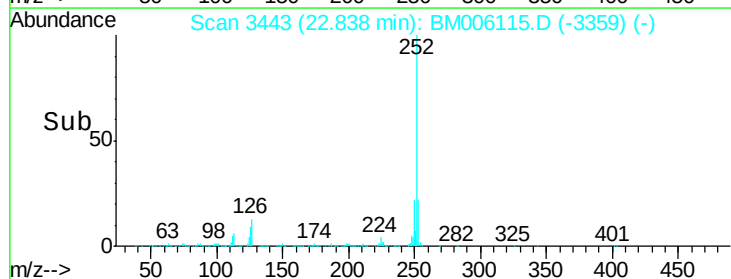
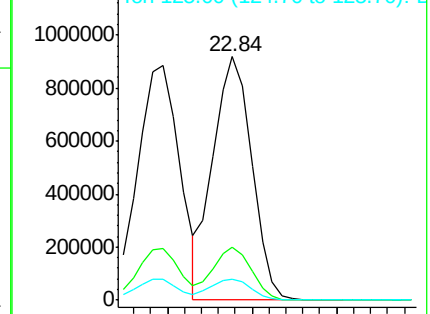
252 100

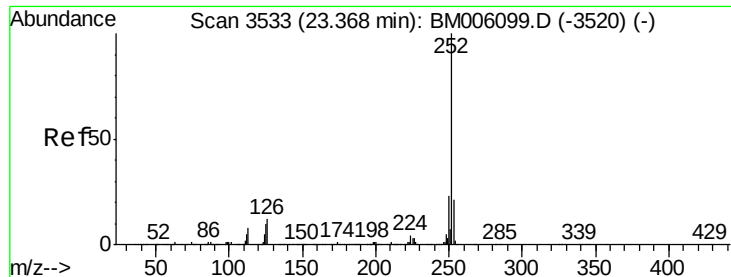
253 22.0 17.6 26.4

125 8.7 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

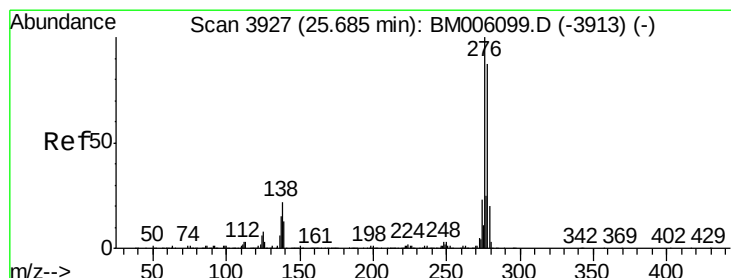
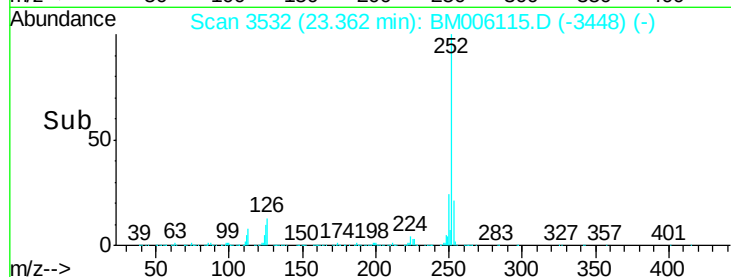
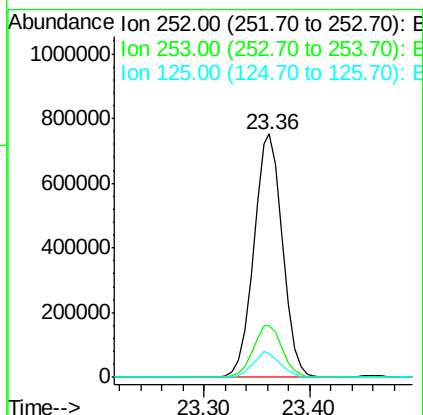
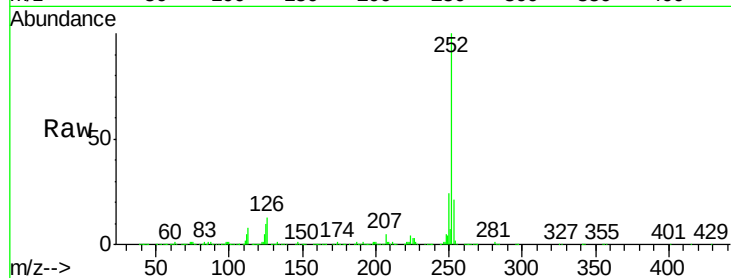




#38
Benzo(a)pyrene
Concen: 16.26 ng/ul
RT: 23.36 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BM006115.D
Acq: 29 Jun 2016 02:50

Tgt Ion: 252 Resp: 1413221

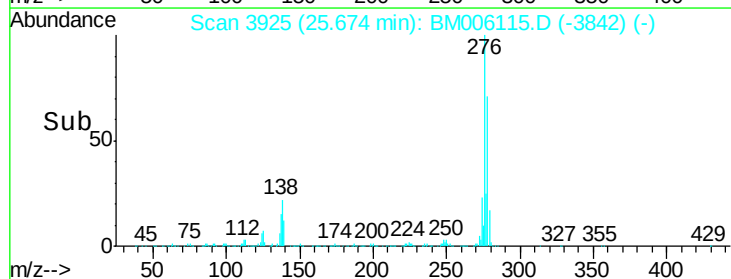
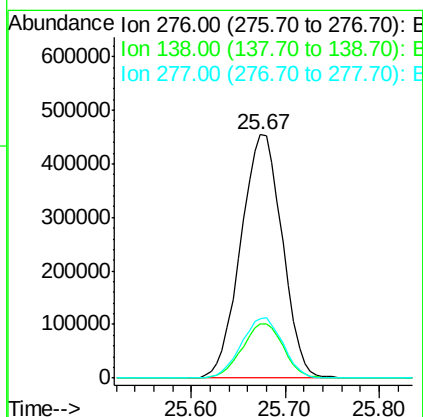
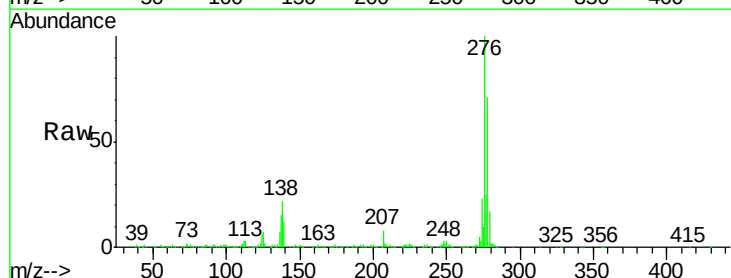
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.6
125	9.7	8.7	13.1

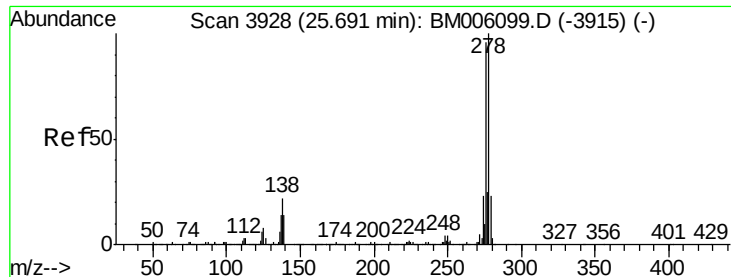


#39
Indeno(1,2,3-cd)pyrene
Concen: 15.38 ng/ul
RT: 25.67 min Scan# 3925
Delta R.T. -0.01 min
Lab File: BM006115.D
Acq: 29 Jun 2016 02:50

Tgt Ion: 276 Resp: 1389609

Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.4	30.6
277	24.6	20.6	30.8

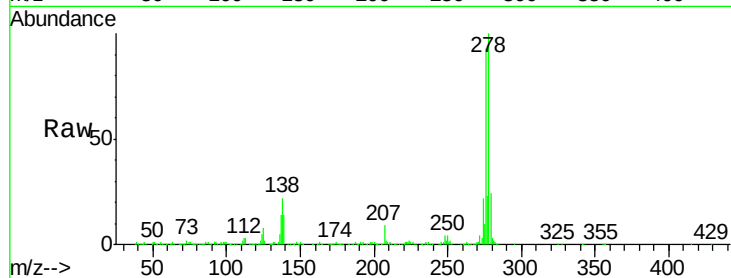




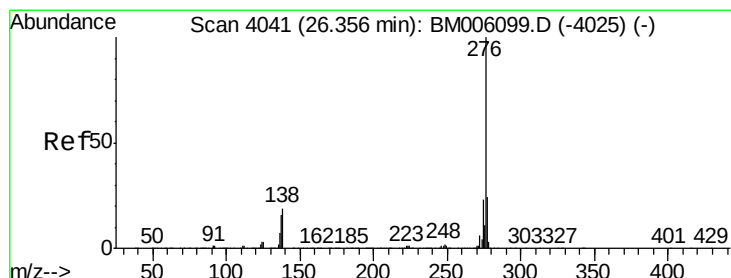
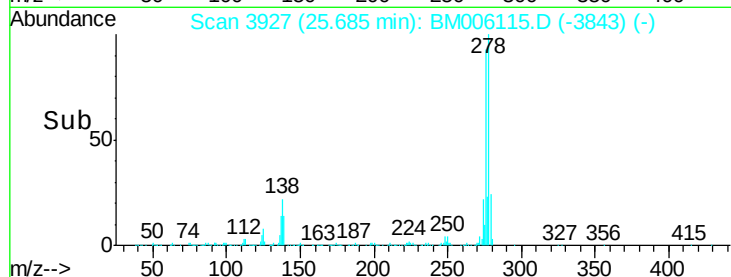
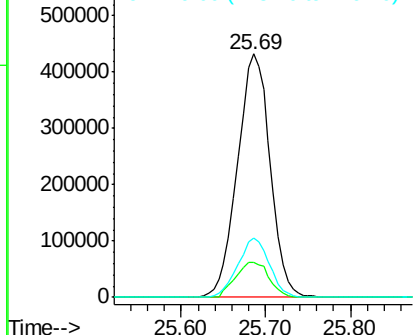
#40

Dibenzo(a,h)anthracene
 Concen: 15.54 ng/ul
 RT: 25.69 min Scan# 3927
 Delta R.T. -0.01 min
 Lab File: BM006115.D
 Acq: 29 Jun 2016 02:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.4	13.0	19.4
279	24.5	18.8	28.2



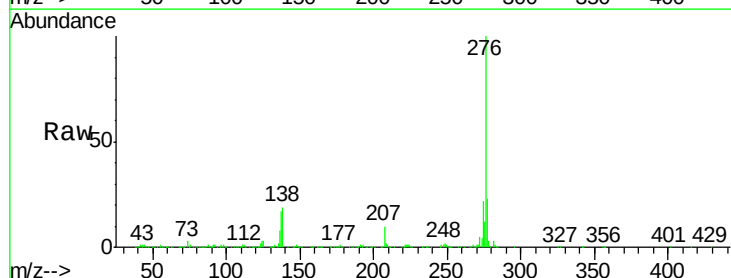
Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E



#41

Benzo(g,h,i)perylene
 Concen: 15.16 ng/ul
 RT: 26.35 min Scan# 4040
 Delta R.T. -0.01 min
 Lab File: BM006115.D
 Acq: 29 Jun 2016 02:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.6	25.0
277	23.0	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

