

Data Path : Z:\HPCHEM1\BNA_M\Data\BM062816\
 Data File : BM006099.D
 Acq On : 28 Jun 2016 17:11
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 18:42:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 18:42:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	245426	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1138286	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	677064	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1464097	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1225436	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1224464	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	34955	6.62	ng/uL	0.00
3) Phenol-d5	6.83	99	331728	16.54	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	204747	17.32	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	253106	16.45	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	268140	16.62	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	126218	16.46	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	142687	16.26	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	260276	16.26	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	211375	16.70	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	774952	15.97	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	985033	16.72	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	130571	14.18	ng/ul	0.00
21) Fluorene-d10	15.30	176	668317	16.14	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	77773	15.00	ng/ul	0.00
26) Anthracene-d10	17.15	188	975169	16.60	ng/ul	0.00
30) Pyrene-d10	19.45	212	932704	18.90	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	792776	16.27	ng/ul	0.00

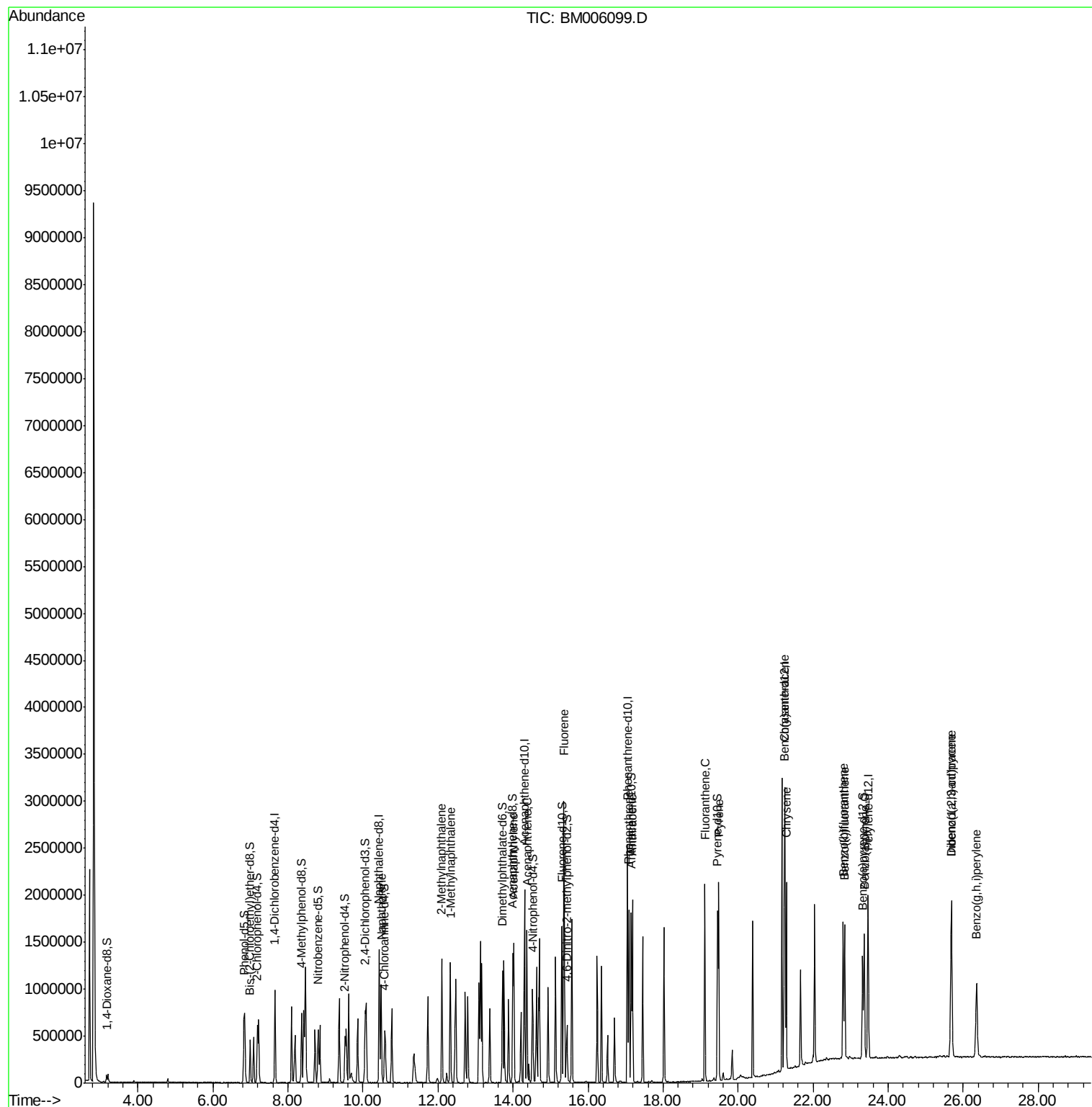
Target Compounds

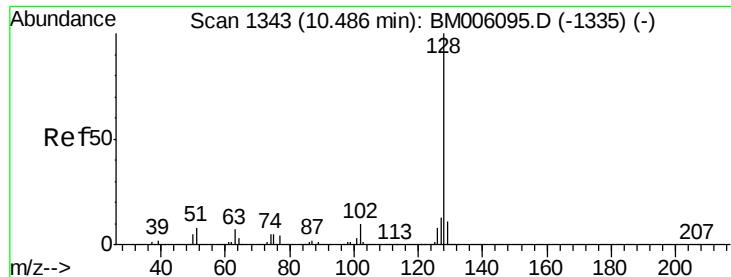
						Qvalue
11) Naphthalene	10.49	128	825856	16.57	ng/ul	99
13) 2-Methylnaphthalene	12.10	142	629005	16.61	ng/ul	99
14) 1-Methylnaphthalene	12.33	142	592623	16.46	ng/ul	99
18) Acenaphthylene	14.02	152	1034345	16.77	ng/ul	100
19) Acenaphthene	14.37	153	653327	16.60	ng/ul	99
22) Fluorene	15.36	166	738412	16.49	ng/ul	98
25) Phenanthrene	17.09	178	1146253	16.54	ng/ul	100
27) Anthracene	17.19	178	1174797	16.50	ng/ul	100
28) Fluoranthene	19.12	202	1212101	14.28	ng/ul	99
31) Pyrene	19.48	202	1245416	19.27	ng/ul	98
32) Benzo(a)anthracene	21.23	228	1050114	16.48	ng/ul	99
33) Chrysene	21.29	228	960072	16.36	ng/ul	100
35) Benzo(b)fluoranthene	22.80	252	1031767	16.24	ng/ul	99
36) Benzo(k)fluoranthene	22.84	252	974233	16.34	ng/ul	99
38) Benzo(a)pyrene	23.37	252	988520	16.46	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.69	276	1178697	18.89	ng/ul	96
40) Dibenzo(a,h)anthracene	25.69	278	985720	19.09	ng/ul	98
41) Benzo(g,h,i)perylene	26.36	276	1016314	19.46	ng/ul	98

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

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Data File : BM006099.D
Acq On : 28 Jun 2016 17:11
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Sample : SSTDCCC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

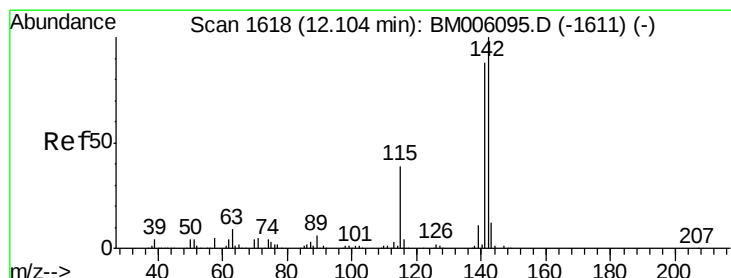
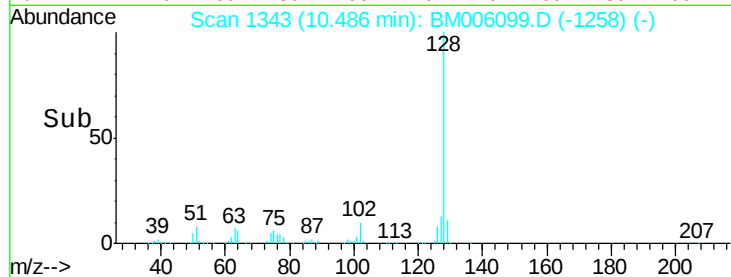
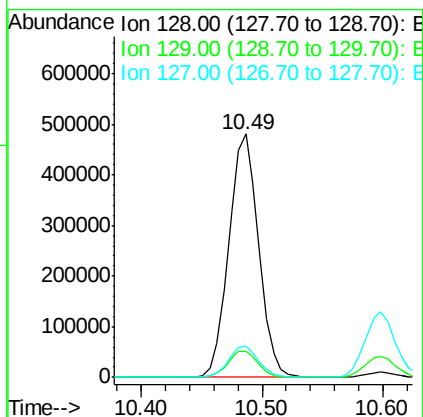
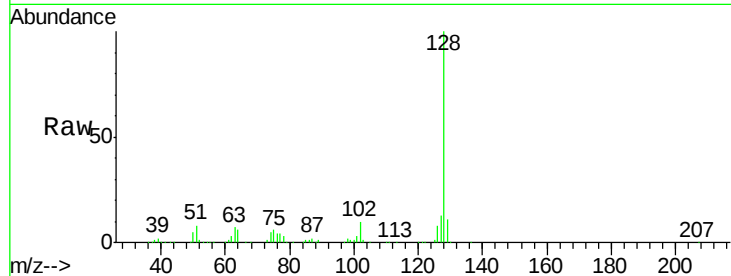
Quant Time: Jun 28 18:42:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 28 18:42:07 2016
Response via : Initial Calibration





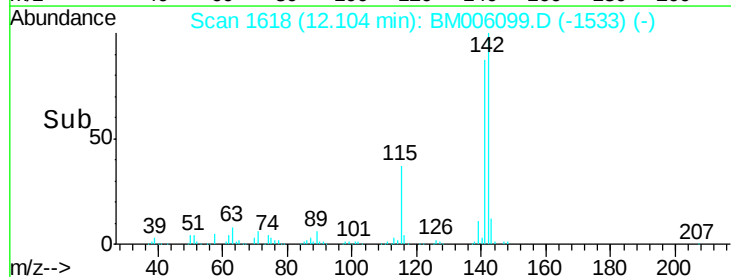
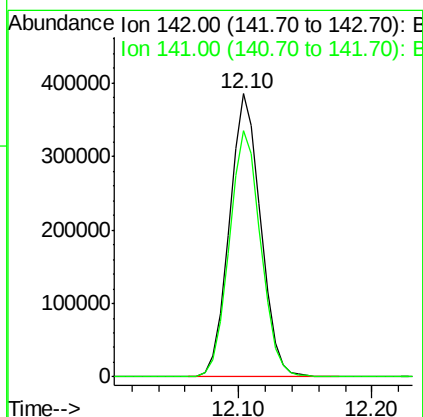
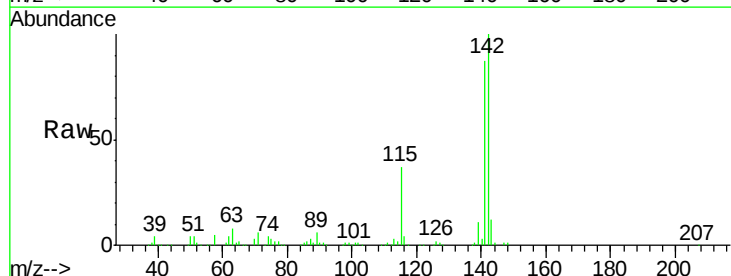
#11
Naphthalene
Concen: 16.57 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006099.D
Acq: 28 Jun 2016 17:11

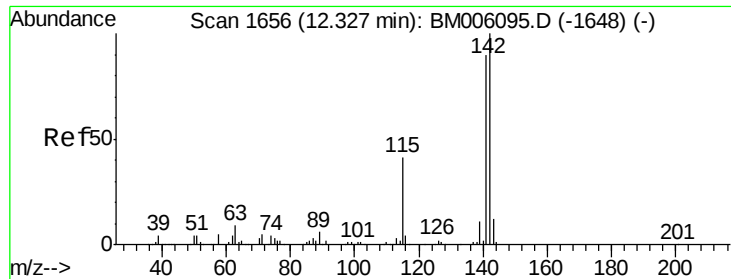
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	13.0	10.5	15.7



#13
2-Methylnaphthalene
Concen: 16.61 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BM006099.D
Acq: 28 Jun 2016 17:11

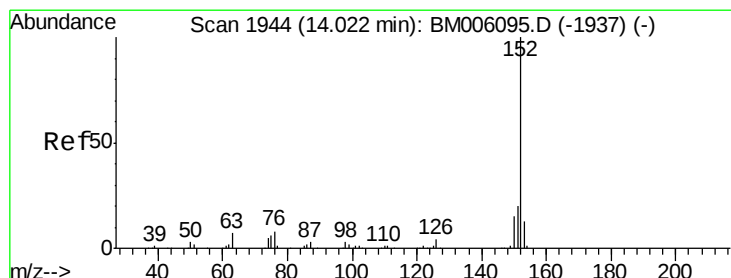
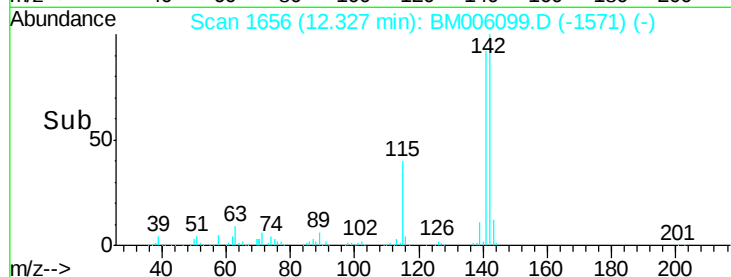
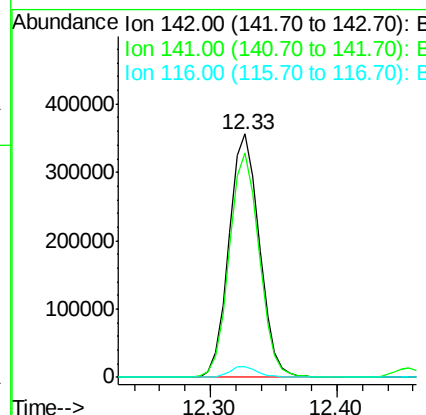
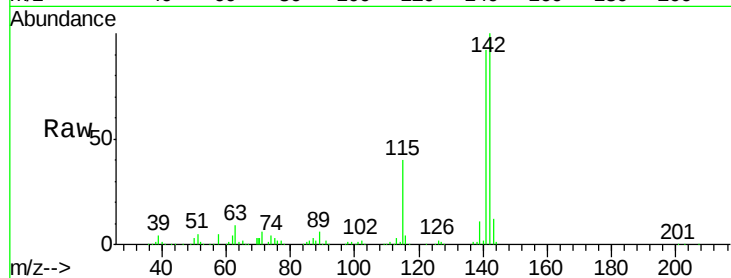
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.0	103.6





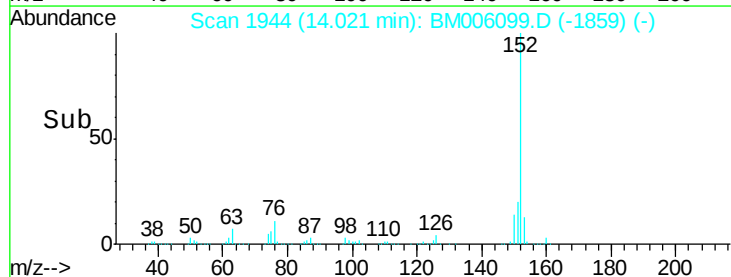
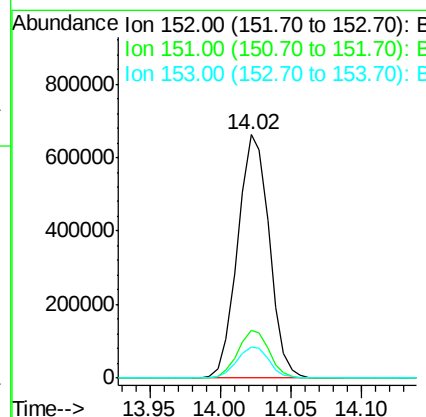
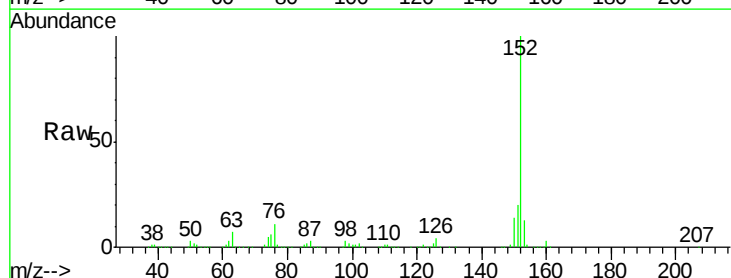
#14
1-Methylnaphthalene
Concen: 16.46 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006099.D
Acq: 28 Jun 2016 17:11

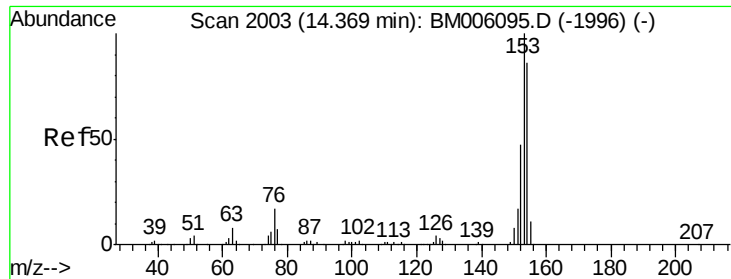
Tgt Ion:142 Resp: 592623
Ion Ratio Lower Upper
142 100
141 92.2 73.0 109.4
116 4.2 3.0 4.6



#18
Acenaphthylene
Concen: 16.77 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM006099.D
Acq: 28 Jun 2016 17:11

Tgt Ion:152 Resp: 1034345
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 12.9 10.3 15.5





#19

Acenaphthene

Concen: 16.60 ng/ul

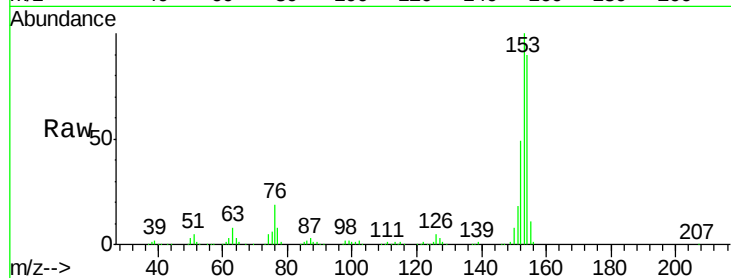
RT: 14.37 min Scan# 2003

Delta R.T. -0.00 min

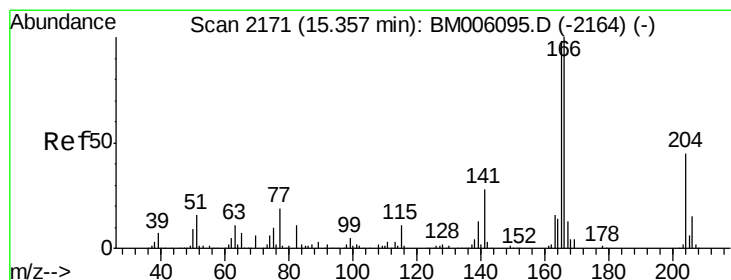
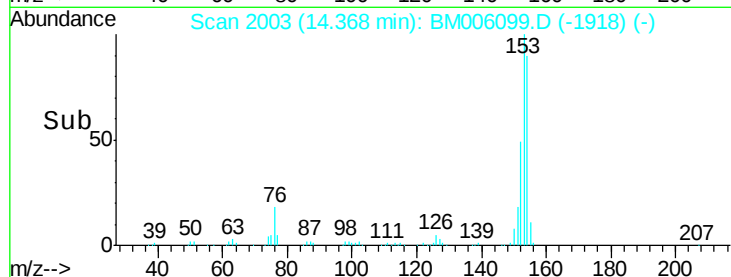
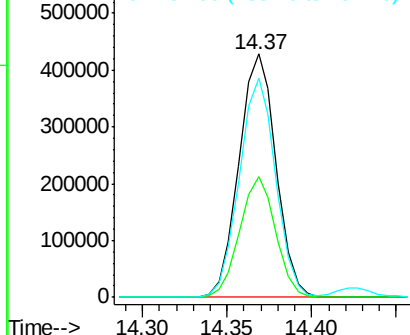
Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

Tgt Ion:	153	Resp:	653327
Ion	Ratio	Lower	Upper
153	100		
152	49.5	38.1	57.1
154	90.1	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: 16.49 ng/ul

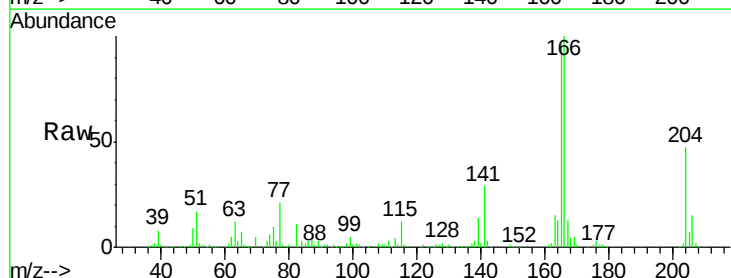
RT: 15.36 min Scan# 2171

Delta R.T. -0.00 min

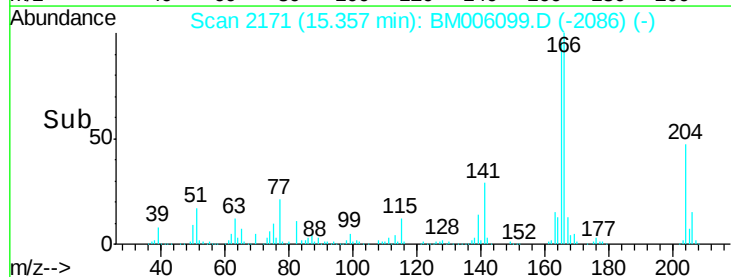
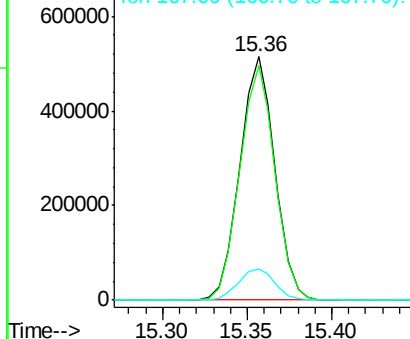
Lab File: BM006099.D

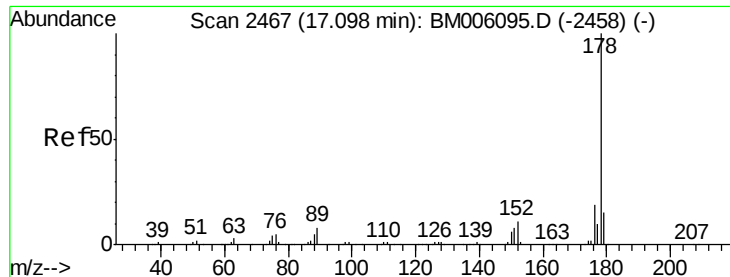
Acq: 28 Jun 2016 17:11

Tgt Ion:	166	Resp:	738412
Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.4	117.6
167	13.0	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: 16.54 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

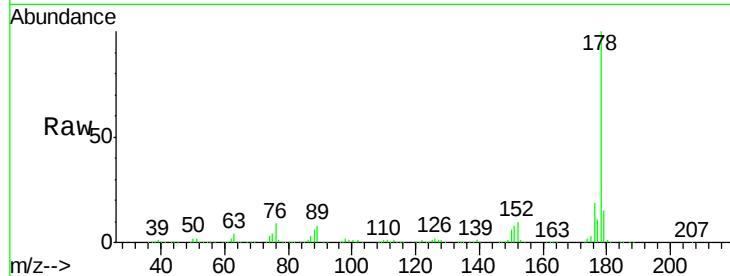
Tgt Ion:178 Resp: 1146253

Ion Ratio Lower Upper

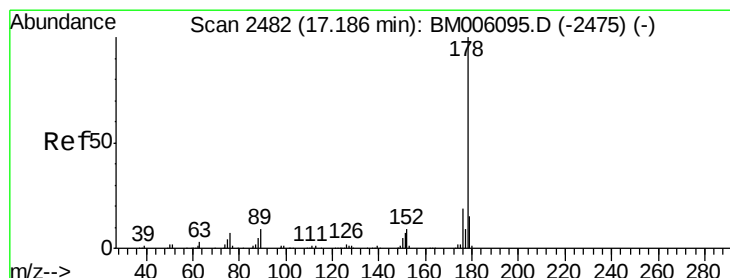
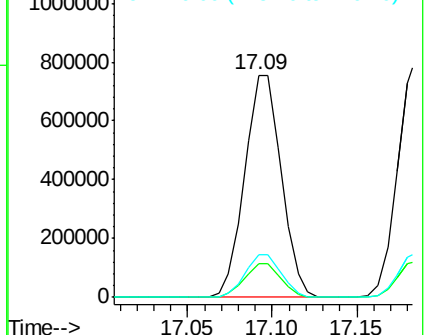
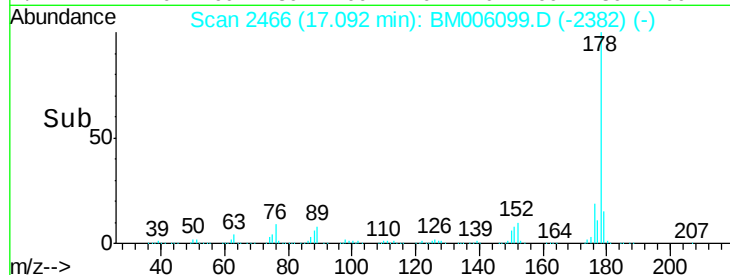
178 100

179 15.3 12.2 18.2

176 19.0 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: 16.50 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

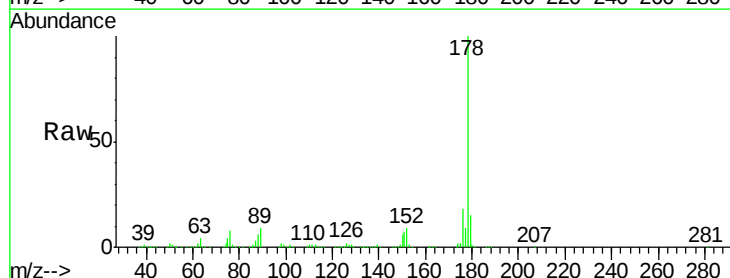
Tgt Ion:178 Resp: 1174797

Ion Ratio Lower Upper

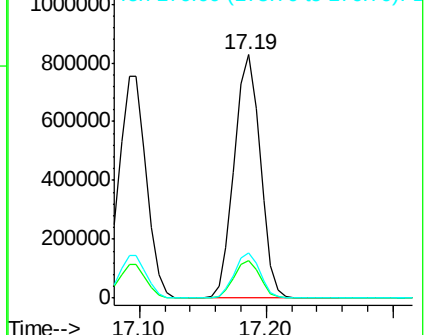
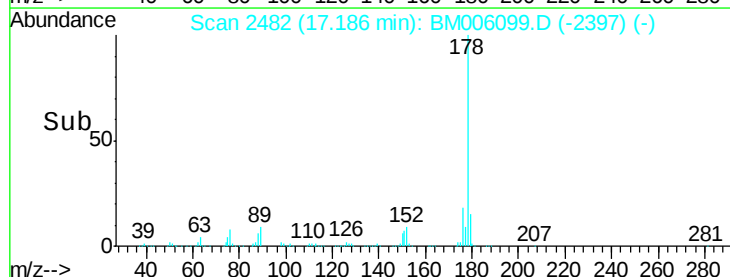
178 100

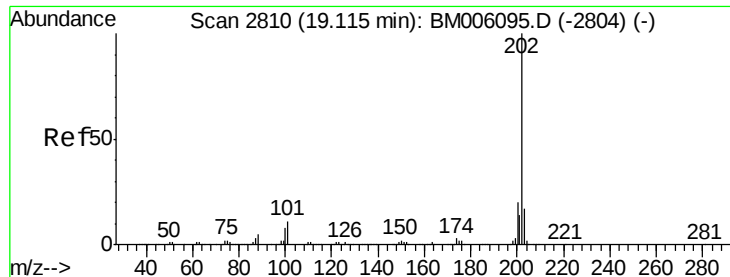
179 15.4 12.3 18.5

176 18.3 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: 14.28 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

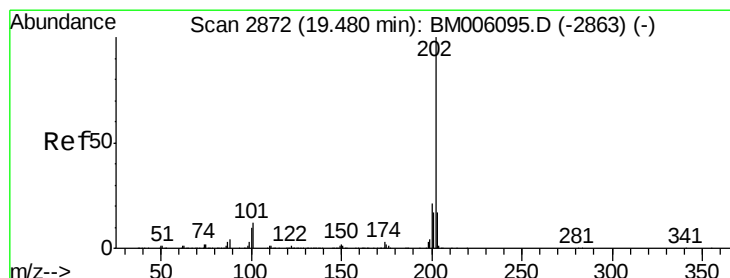
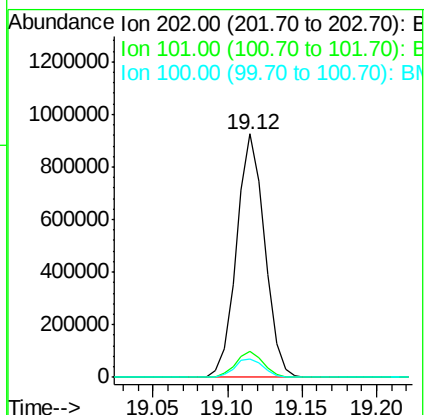
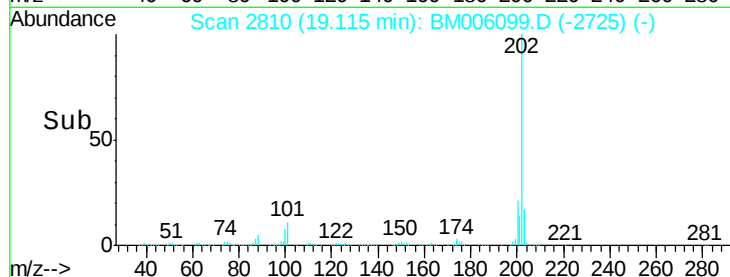
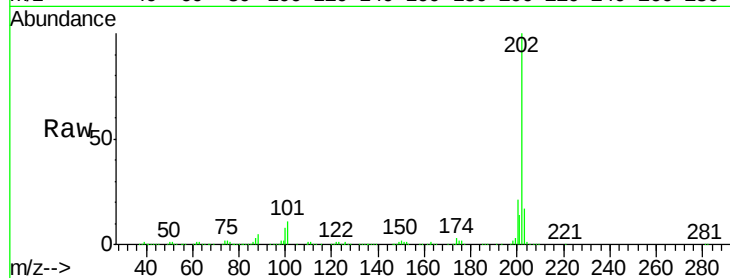
Tgt Ion:202 Resp: 1212101

Ion Ratio Lower Upper

202 100

101 10.5 8.5 12.7

100 7.8 6.5 9.7



#31

Pyrene

Concen: 19.27 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

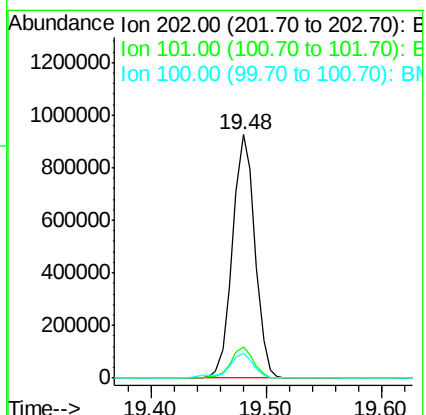
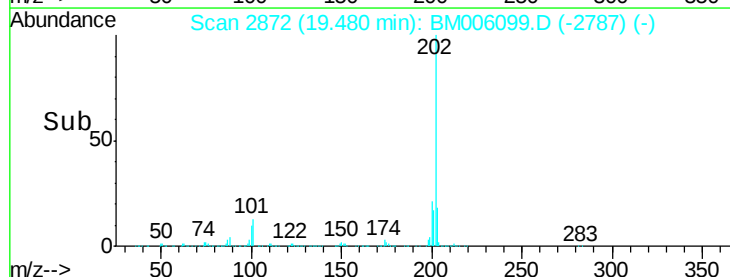
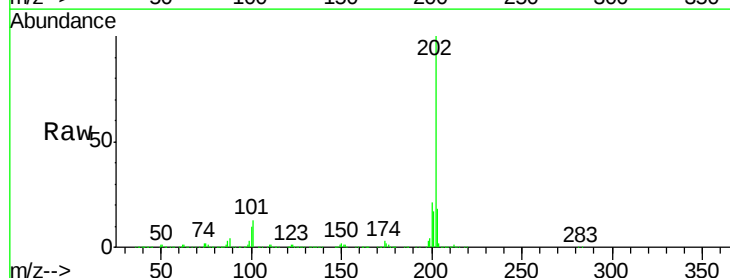
Tgt Ion:202 Resp: 1245416

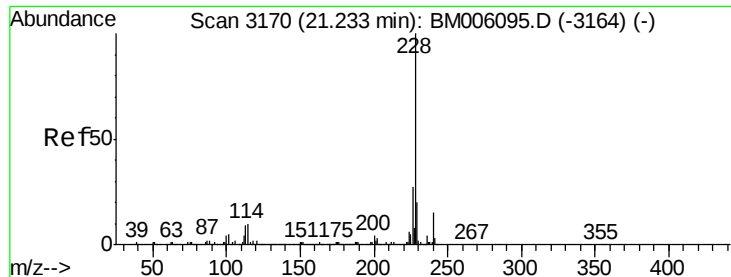
Ion Ratio Lower Upper

202 100

101 12.6 11.0 16.4

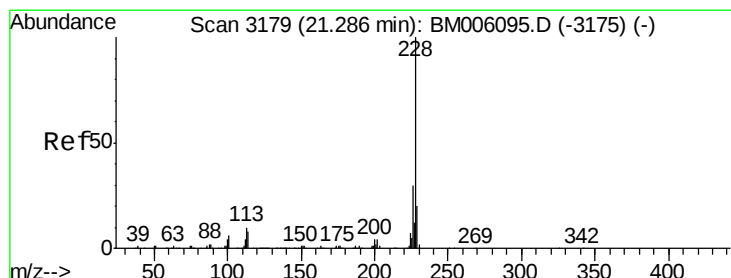
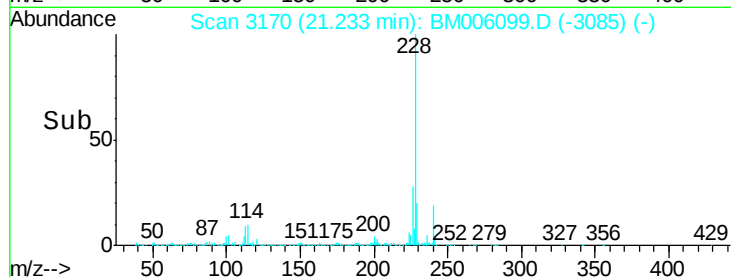
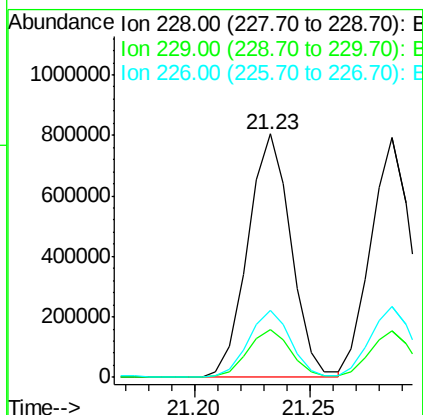
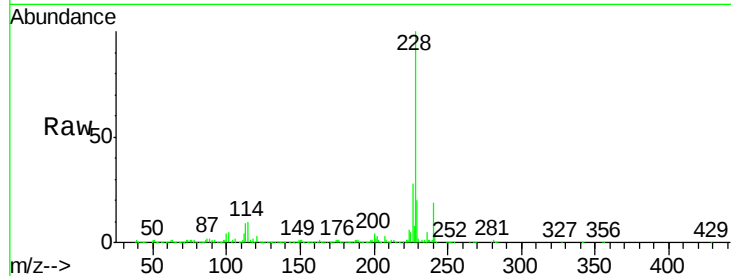
100 10.3 8.9 13.3





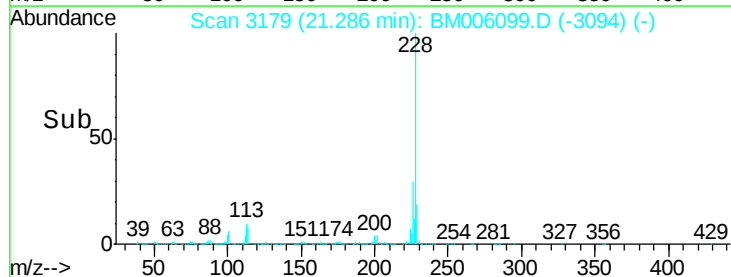
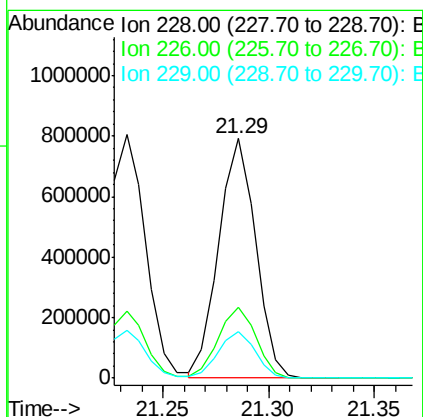
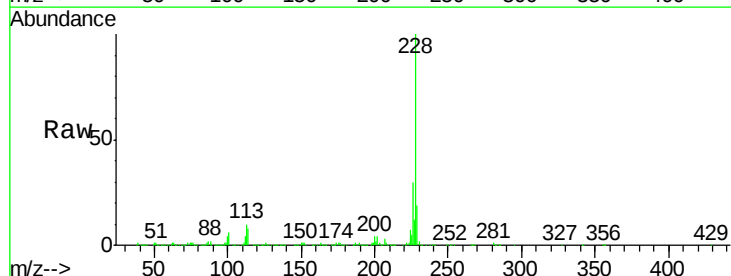
#32
Benzo(a)anthracene
Concen: 16.48 ng/ul
RT: 21.23 min Scan# 3170
Delta R.T. -0.00 min
Lab File: BM006099.D
Acq: 28 Jun 2016 17:11

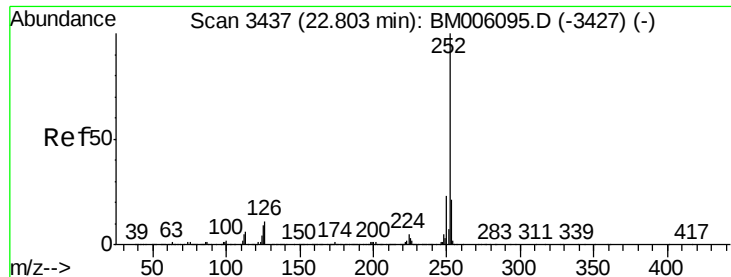
Tgt Ion:228 Resp: 1050114
Ion Ratio Lower Upper
228 100
229 19.5 15.6 23.4
226 27.6 21.6 32.4



#33
Chrysene
Concen: 16.36 ng/ul
RT: 21.29 min Scan# 3179
Delta R.T. -0.00 min
Lab File: BM006099.D
Acq: 28 Jun 2016 17:11

Tgt Ion:228 Resp: 960072
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 19.2 15.8 23.6





#35

Benzo(b)fluoranthene

Concen: 16.24 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.01 min

Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

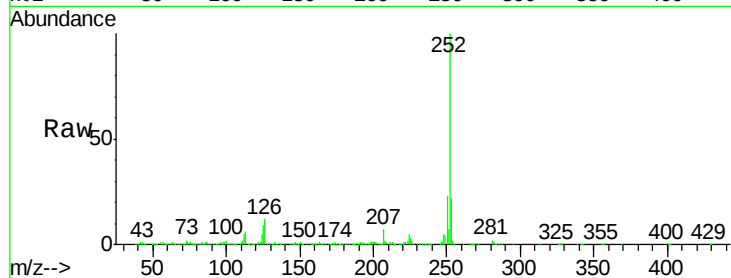
Tgt Ion:252 Resp: 1031767

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

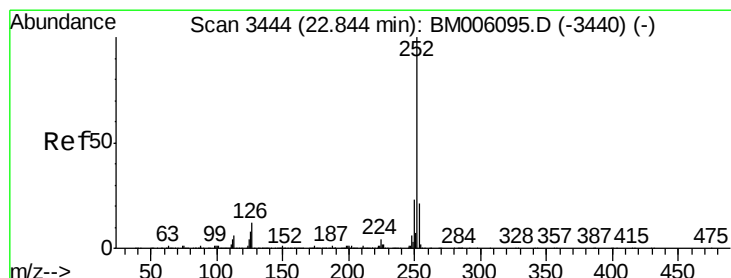
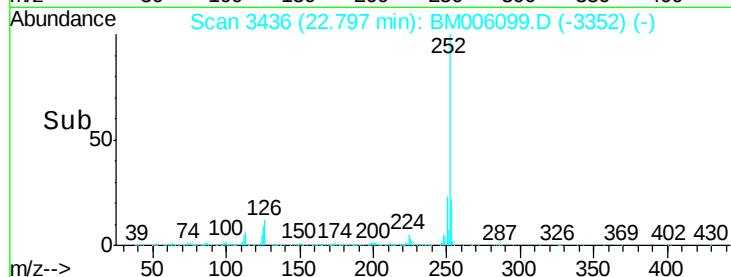
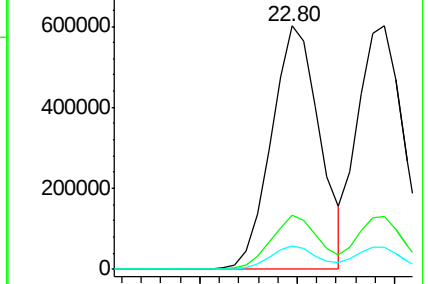
125 9.4 7.8 11.6



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: 16.34 ng/ul

RT: 22.84 min Scan# 3444

Delta R.T. -0.00 min

Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

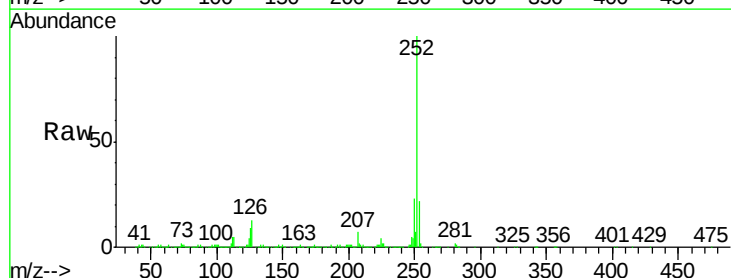
Tgt Ion:252 Resp: 974233

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

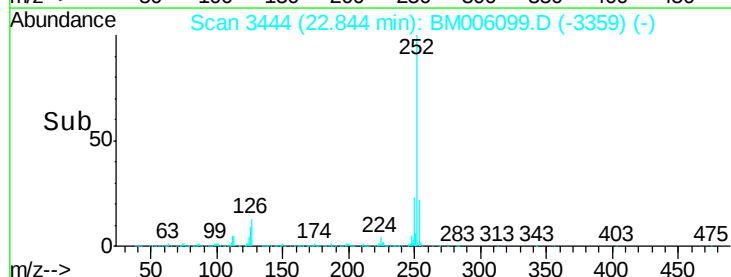
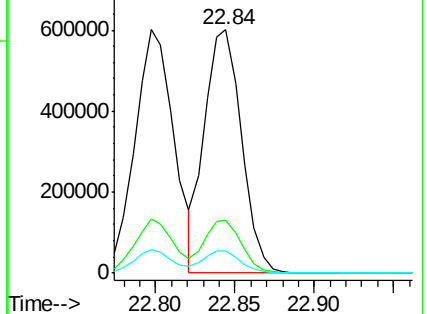
125 8.9 8.1 12.1

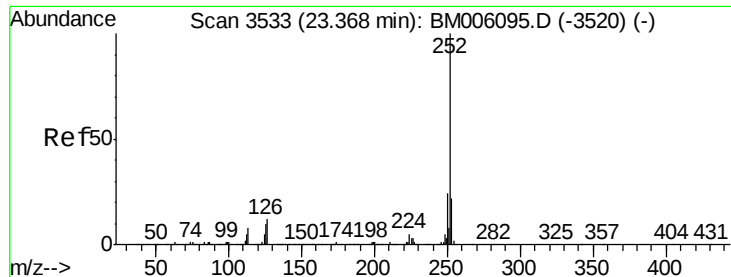


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

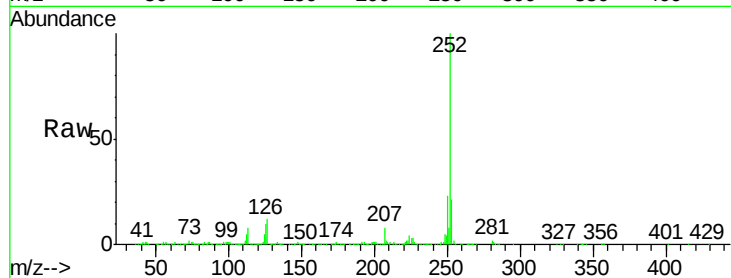
Ion 125.00 (124.70 to 125.70): E



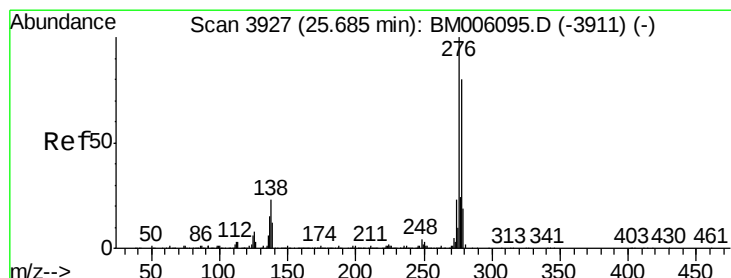
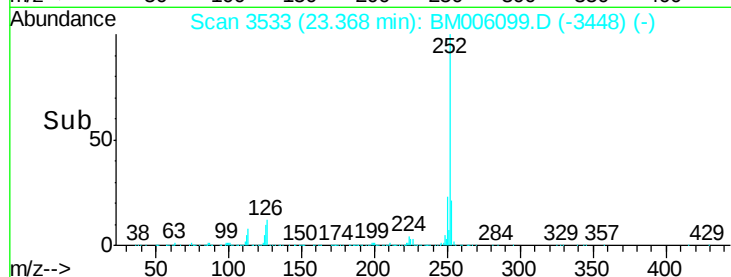
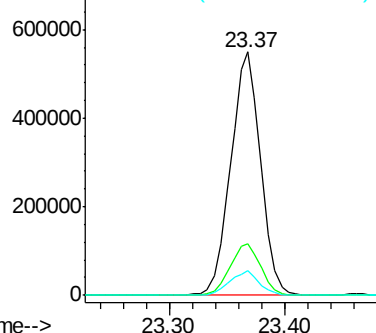


#38
Benzo(a)pyrene
Concen: 16.46 ng/ul
RT: 23.37 min Scan# 3533
Delta R.T. -0.00 min
Lab File: BM006099.D
Acq: 28 Jun 2016 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.6
125	10.2	8.7	13.1

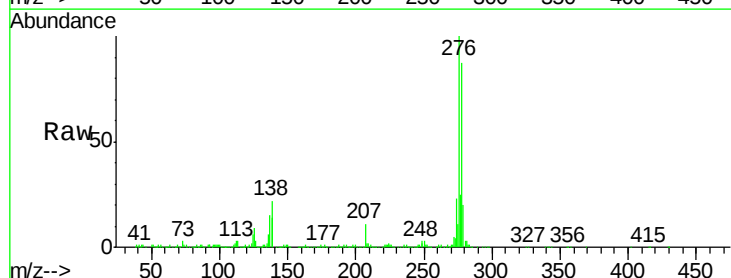


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

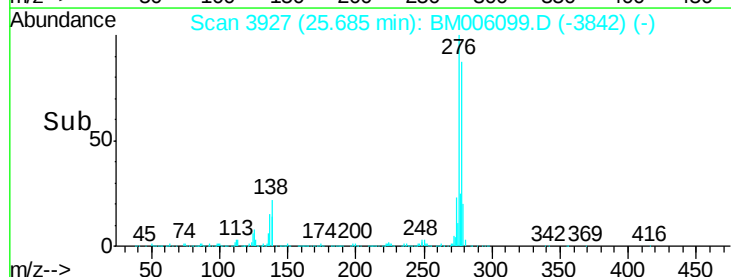
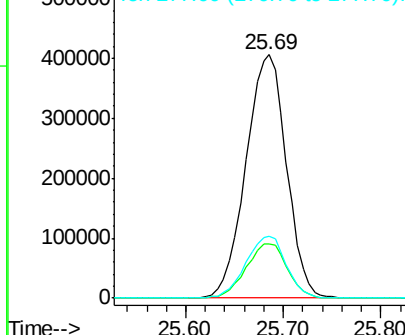


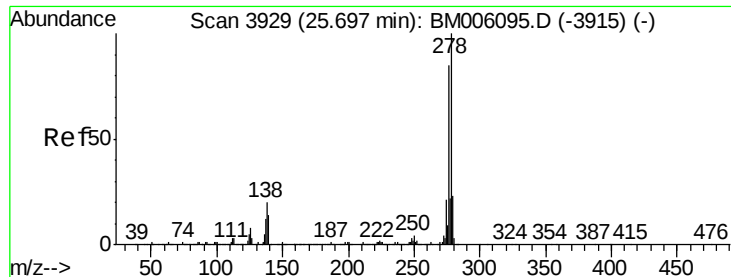
#39
Indeno(1,2,3-cd)pyrene
Concen: 18.89 ng/ul
RT: 25.69 min Scan# 3927
Delta R.T. -0.00 min
Lab File: BM006099.D
Acq: 28 Jun 2016 17:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.4	30.6
277	25.4	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: 19.09 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. -0.01 min

Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

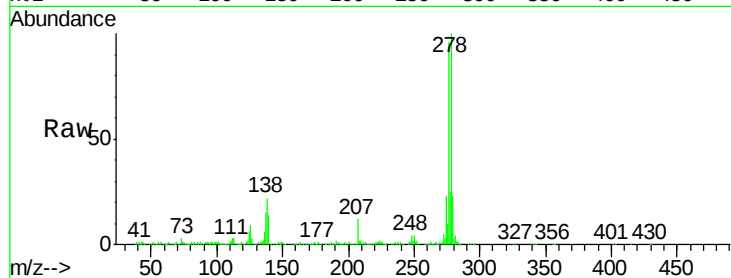
Tgt Ion: 278 Resp: 985720

Ion	Ratio	Lower	Upper
278	100		
139	14.3	13.0	19.4
279	23.1	18.8	28.2

278 100

139 14.3 13.0 19.4

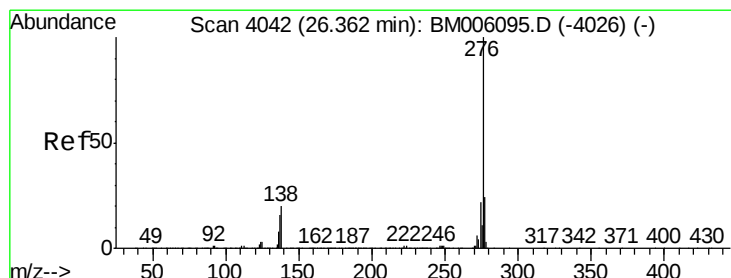
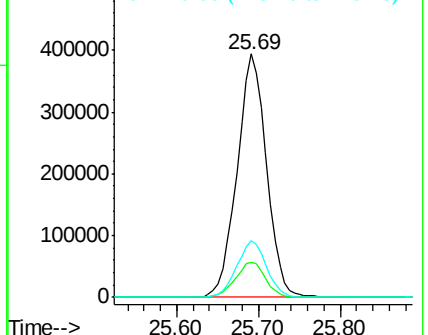
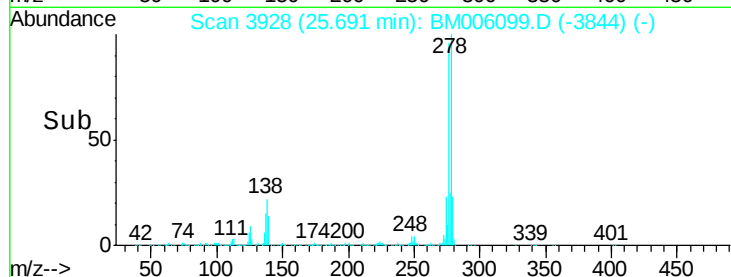
279 23.1 18.8 28.2



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: 19.46 ng/ul

RT: 26.36 min Scan# 4041

Delta R.T. -0.01 min

Lab File: BM006099.D

Acq: 28 Jun 2016 17:11

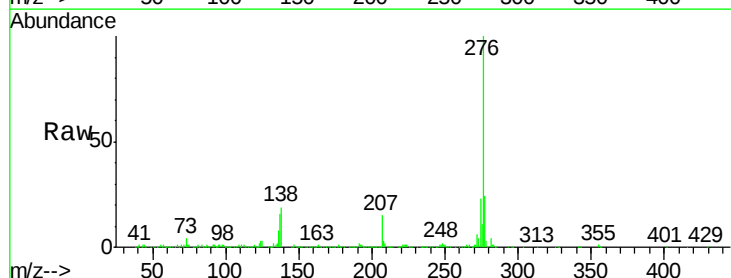
Tgt Ion: 276 Resp: 1016314

Ion	Ratio	Lower	Upper
276	100		
138	18.9	16.6	25.0
277	23.8	18.9	28.3

276 100

138 18.9 16.6 25.0

277 23.8 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

