

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006010.D
 Acq On : 25 Jun 2016 20:26
 Operator : UM/SJ
 Sample : H3670-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y76

Quant Time: Jun 26 04:42:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 26 04:39:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	206901	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1074052	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	731386	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1924703	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2545602	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	2848421	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	5550	1.20	ng/uL	0.00
3) Phenol-d5	6.83	99	236544	10.87	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	161822	13.36	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	183329	12.09	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	190521	10.37	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	98471	12.04	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	111495	12.25	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	200790	11.50	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	312033	16.48	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	852726	13.62	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	971086	13.37	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	146696	10.98	ng/ul	0.00
21) Fluorene-d10	15.30	176	745689	13.95	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	105270	9.85	ng/ul	0.00
26) Anthracene-d10	17.15	188	1260517	14.26	ng/ul	0.00
30) Pyrene-d10	19.45	212	1589919	14.26	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1855714	14.43	ng/ul	0.00

Target Compounds

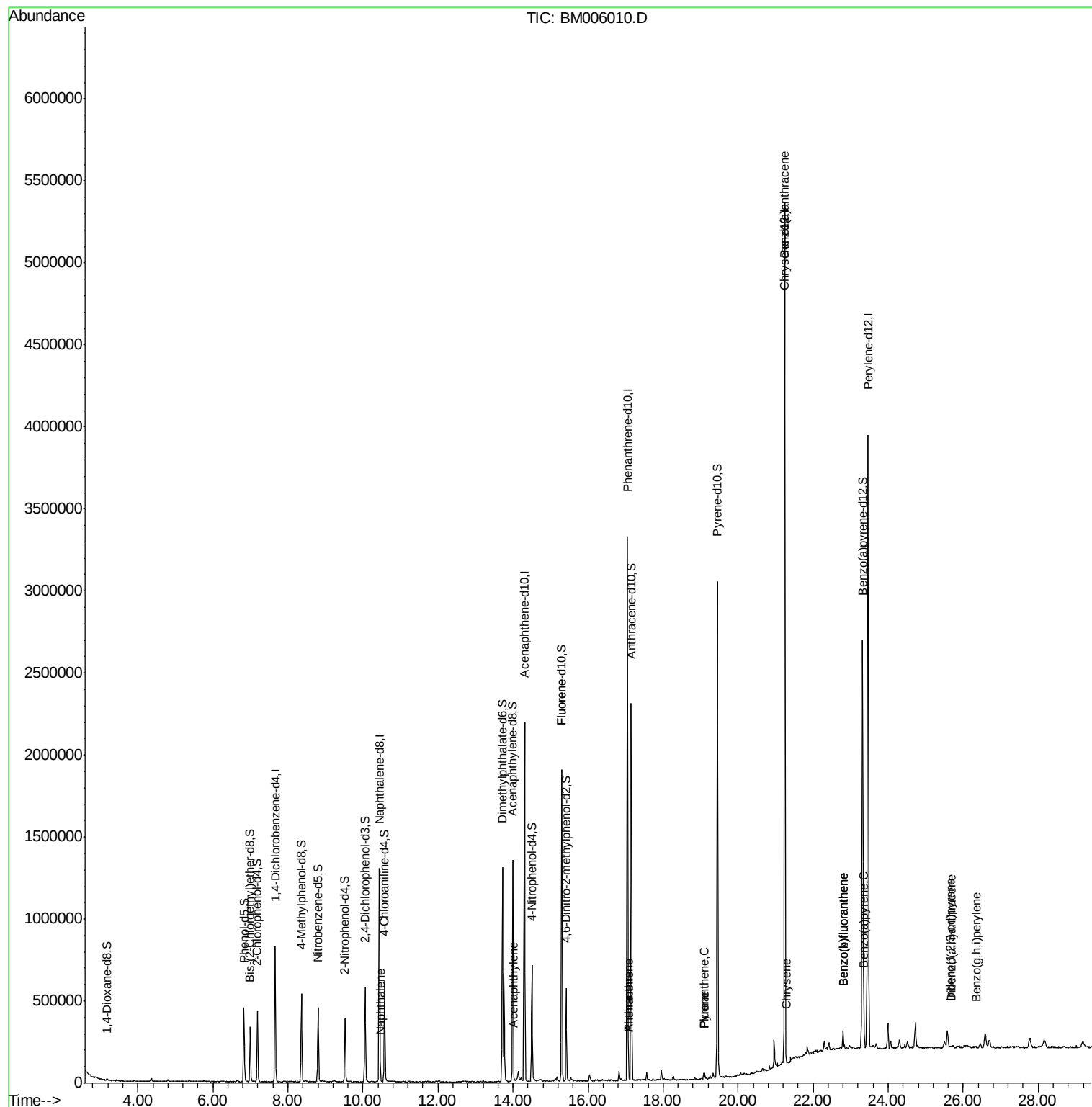
						Qvalue
11) Naphthalene	10.49	128	333	0.01	ng/ul#	69
18) Acenaphthylene	14.03	152	1175	0.02	ng/ul#	61
22) Fluorene	15.30	166	1823	0.03	ng/ul#	2
25) Phenanthrene	17.09	178	8163	0.08	ng/ul	96
27) Anthracene	17.09	178	8163	0.08	ng/ul	97
28) Fluoranthene	19.12	202	19336	0.15	ng/ul	97
31) Pyrene	19.12	202	19336	0.13	ng/ul	97
32) Benzo(a)anthracene	21.23	228	15215	0.10	ng/ul	96
33) Chrysene	21.28	228	10252	0.07	ng/ul	96
35) Benzo(b)fluoranthene	22.80	252	17269	0.10	ng/ul#	78
36) Benzo(k)fluoranthene	22.80	252	17269	0.11	ng/ul#	79
38) Benzo(a)pyrene	23.36	252	12035	0.08	ng/ul#	78
39) Indeno(1,2,3-cd)pyrene	25.66	276	8796	0.05	ng/ul#	89
40) Dibenzo(a,h)anthracene	25.68	278	1336	0.01	ng/ul#	57
41) Benzo(g,h,i)perylene	26.34	276	8377	0.05	ng/ul#	72

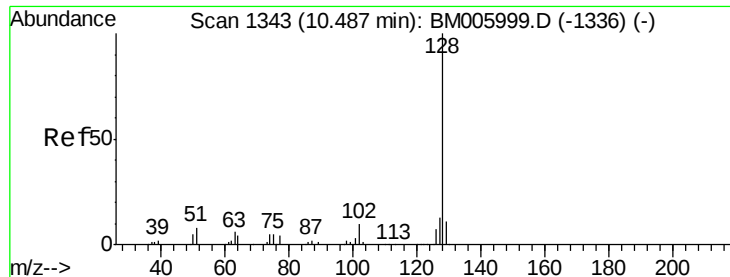
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
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Quant Title : SVOA CALIBRATION
QLast Update : Sun Jun 26 04:39:40 2016
Response via : Initial Calibration





#11

Naphthalene

Concen: 0.01 ng/ul

RT: 10.49 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM006010.D

Acq: 25 Jun 2016 20:26

Instrument :

BNA_M

ClientSampleId :

D9Y76

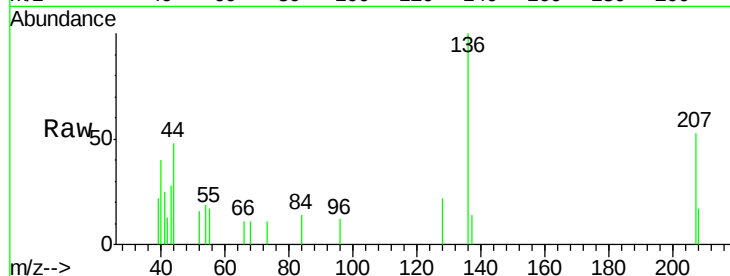
Tgt Ion:128 Resp: 333

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 10.2 15.4#



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

10.49

600

400

200

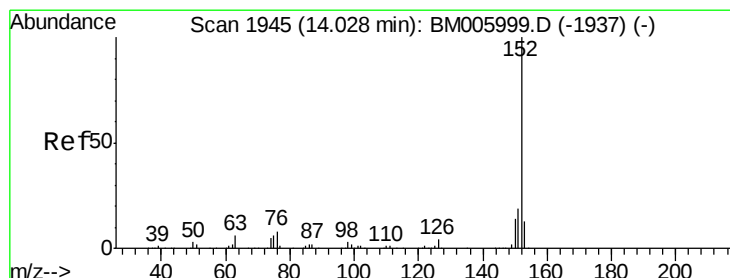
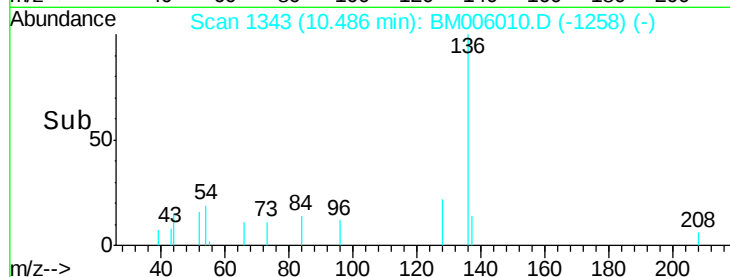
0

10.47

10.48

10.49

Time-->



#18

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BM006010.D

Acq: 25 Jun 2016 20:26

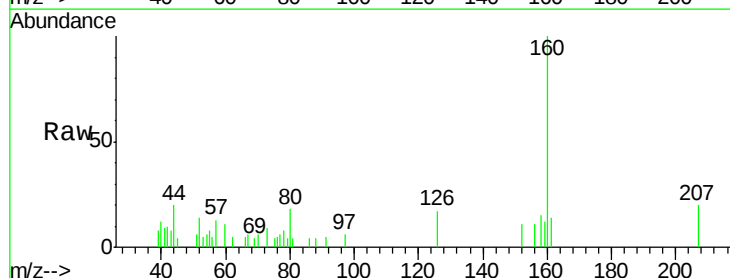
Tgt Ion:152 Resp: 1175

Ion Ratio Lower Upper

152 100

151 0.0 15.5 23.3#

153 0.0 10.5 15.7#



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

14.03

1200

1000

800

600

400

200

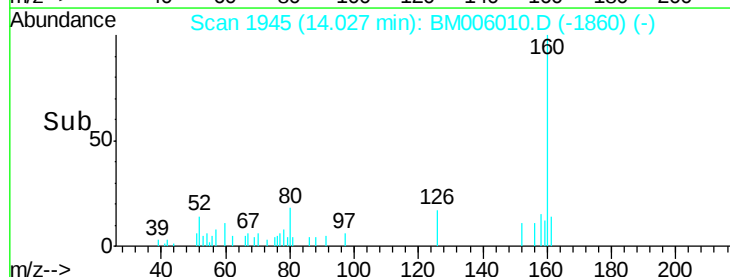
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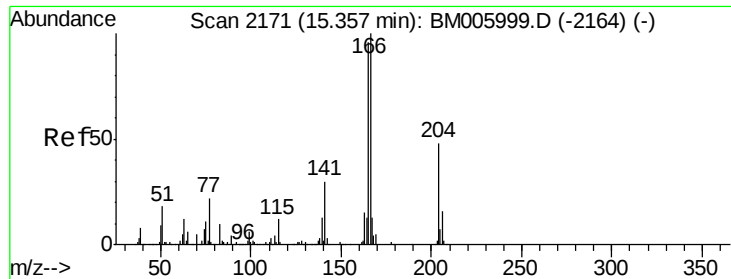
14.00

14.02

14.04

Time-->

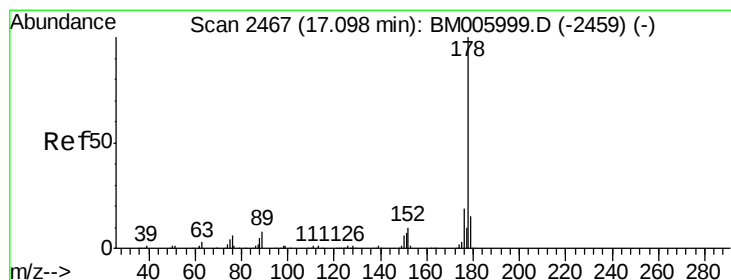
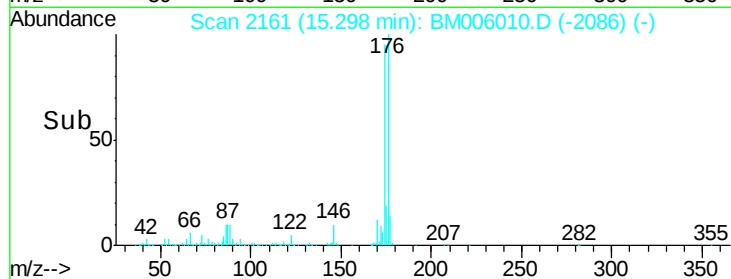
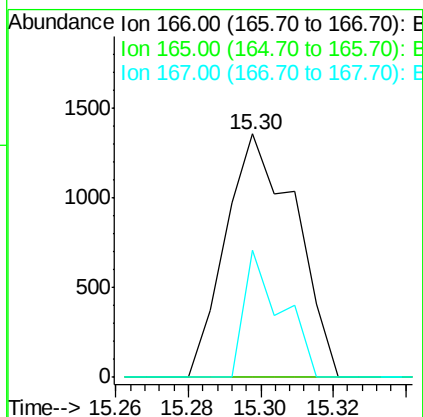
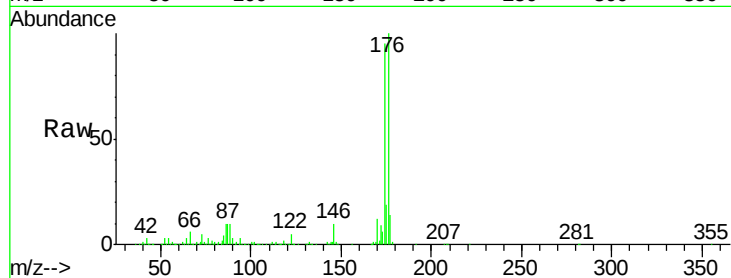




#22
 Fluorene
 Concen: 0.03 ng/ul
 RT: 15.30 min Scan# 2161
 Delta R.T. -0.06 min
 Lab File: BM006010.D
 Acq: 25 Jun 2016 20:26

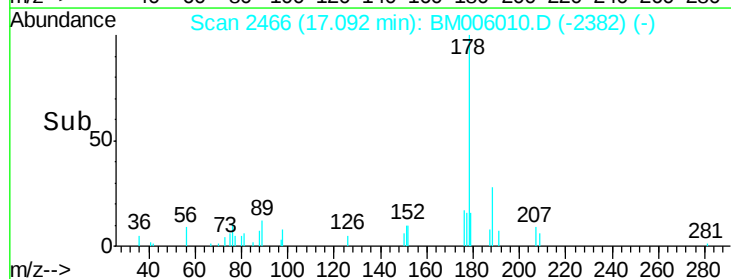
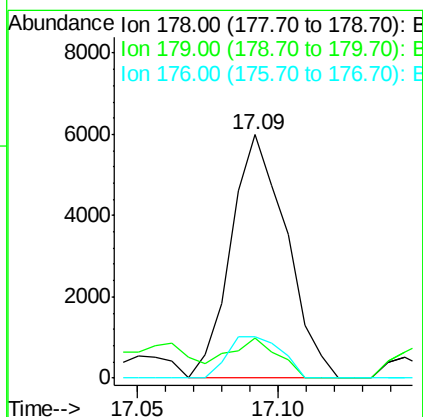
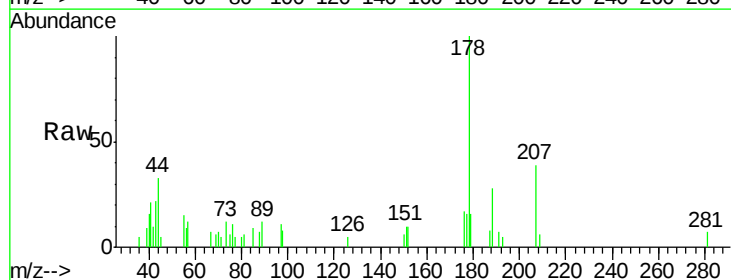
Instrument :
 BNA_M
 ClientSampleId :
 D9Y76

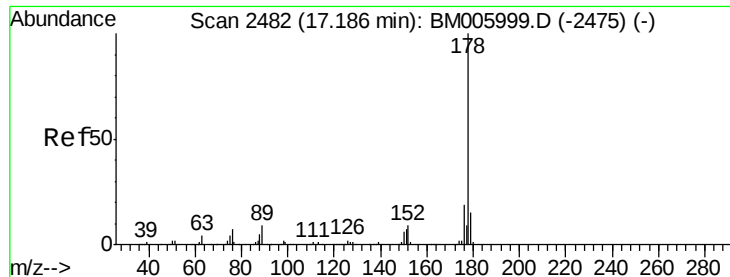
Tgt Ion:166 Resp: 1823
 Ion Ratio Lower Upper
 166 100
 165 0.0 76.8 115.2#
 167 52.3 10.8 16.2#



#25
 Phenanthrene
 Concen: 0.08 ng/ul
 RT: 17.09 min Scan# 2466
 Delta R.T. -0.01 min
 Lab File: BM006010.D
 Acq: 25 Jun 2016 20:26

Tgt Ion:178 Resp: 8163
 Ion Ratio Lower Upper
 178 100
 179 16.4 12.1 18.1
 176 17.0 15.4 23.0

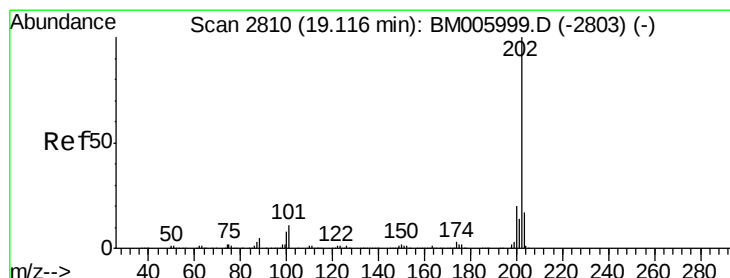
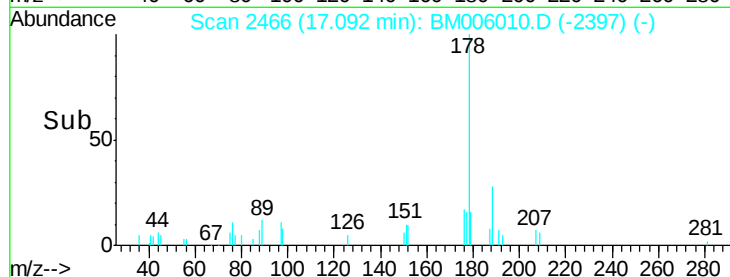
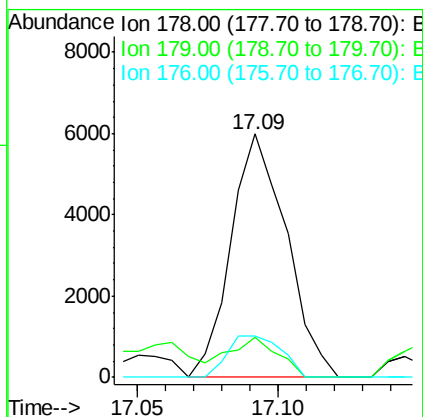
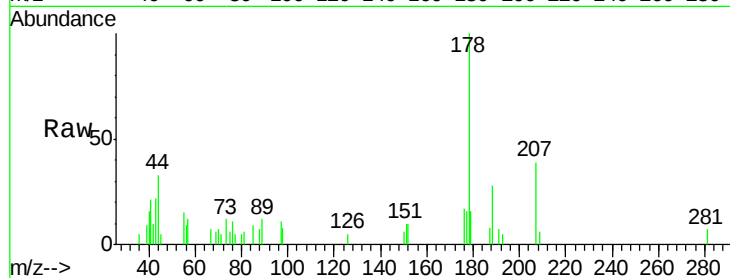




#27
 Anthracene
 Concen: 0.08 ng/ul
 RT: 17.09 min Scan# 2466
 Delta R.T. -0.09 min
 Lab File: BM006010.D
 Acq: 25 Jun 2016 20:26

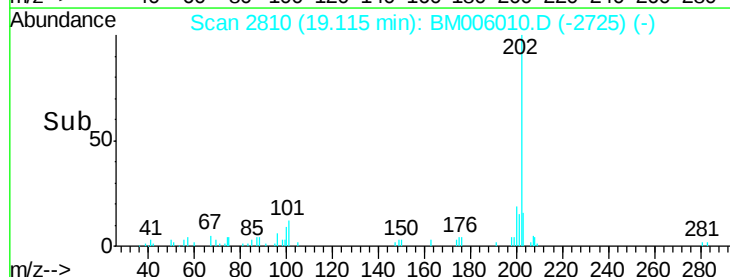
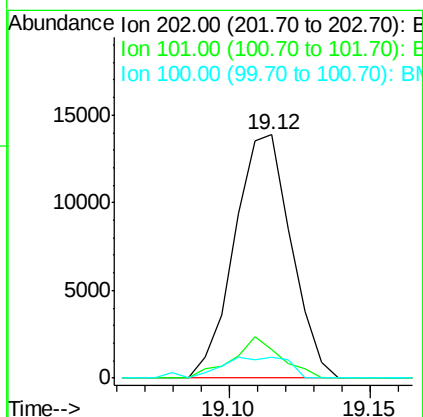
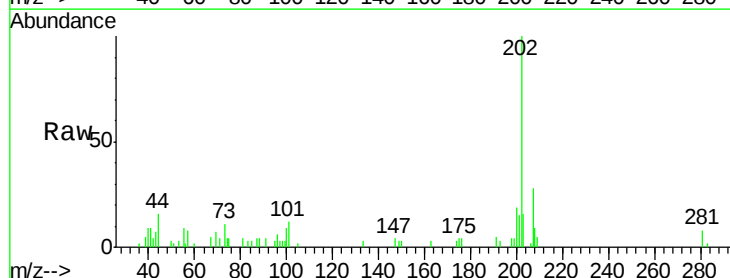
Instrument :
 BNA_M
 ClientSampleId :
 D9Y76

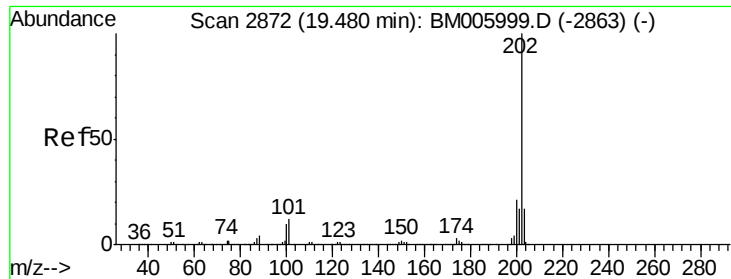
Tgt Ion:178 Resp: 8163
 Ion Ratio Lower Upper
 178 100
 179 16.4 12.2 18.4
 176 17.0 14.9 22.3



#28
 Fluoranthene
 Concen: 0.15 ng/ul
 RT: 19.12 min Scan# 2810
 Delta R.T. -0.00 min
 Lab File: BM006010.D
 Acq: 25 Jun 2016 20:26

Tgt Ion:202 Resp: 19336
 Ion Ratio Lower Upper
 202 100
 101 11.7 8.2 12.4
 100 8.5 6.3 9.5

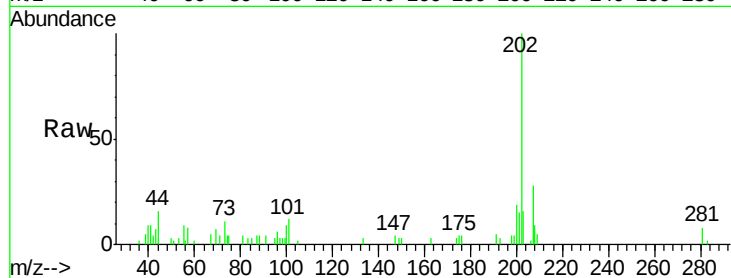




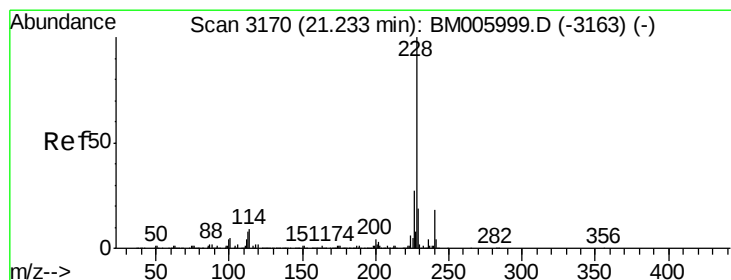
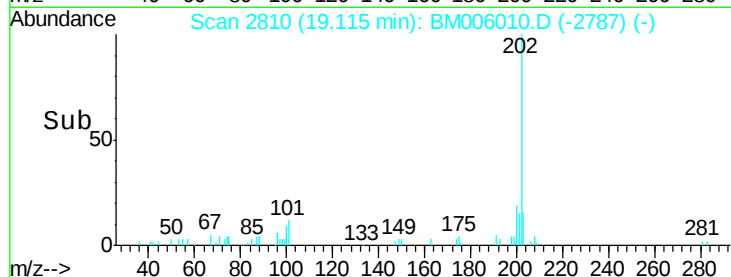
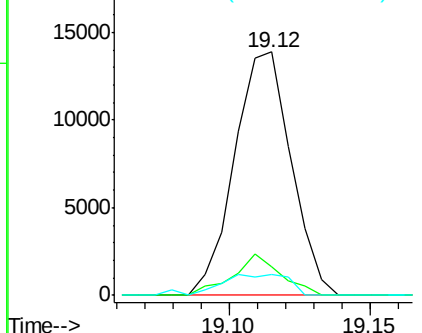
#31
 Pyrene
 Concen: 0.13 ng/ul
 RT: 19.12 min Scan# 2810
 Delta R.T. -0.37 min
 Lab File: BM006010.D
 Acq: 25 Jun 2016 20:26

Instrument :
 BNA_M
 ClientSampleId :
 D9Y76

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.8	14.6
100	8.5	8.2	12.2

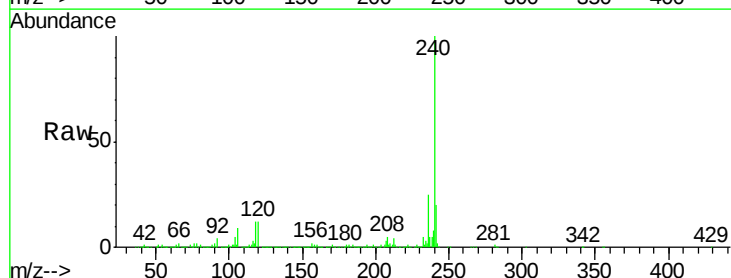


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

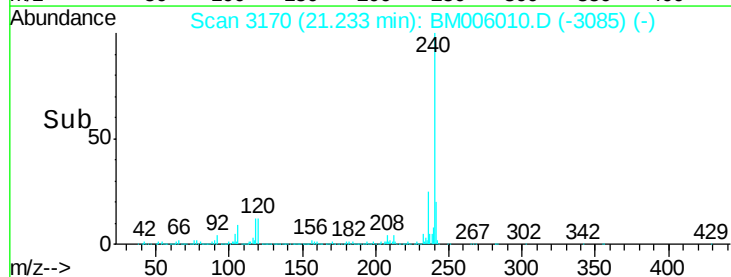
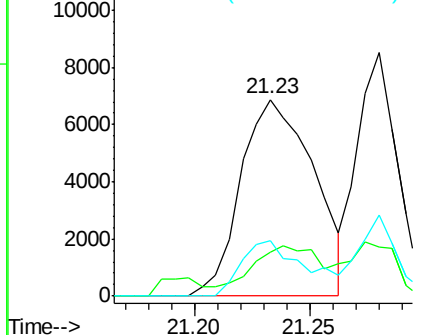


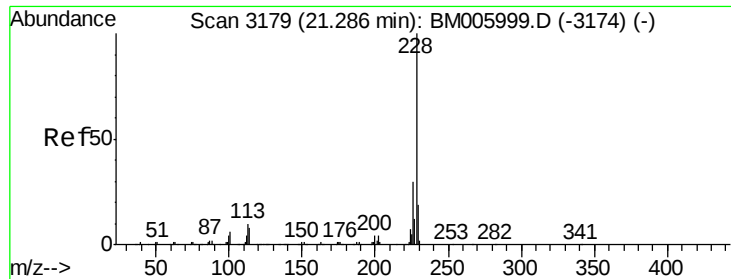
#32
 Benzo(a)anthracene
 Concen: 0.10 ng/ul
 RT: 21.23 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: BM006010.D
 Acq: 25 Jun 2016 20:26

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.8	23.6
226	28.3	21.5	32.3



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: 0.07 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006010.D

Acq: 25 Jun 2016 20:26

Instrument :

BNA_M

ClientSampleId :

D9Y76

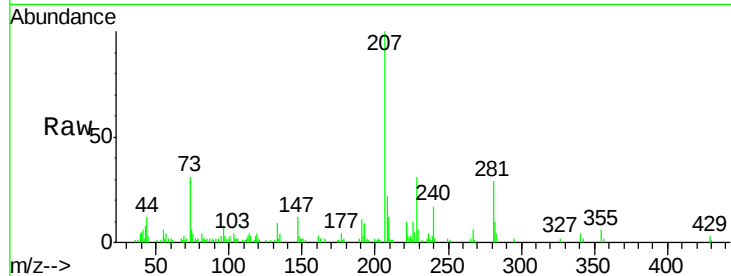
Tgt Ion:228 Resp: 10252

Ion Ratio Lower Upper

228 100

226 33.1 24.3 36.5

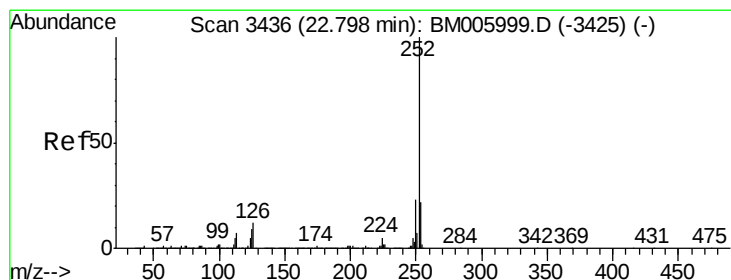
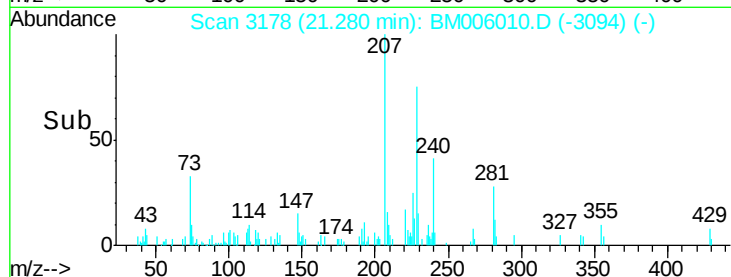
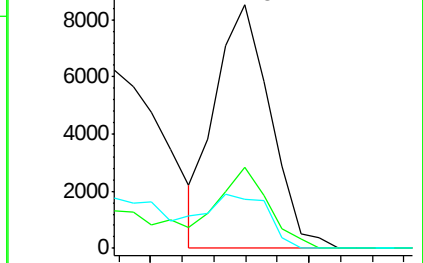
229 20.1 15.4 23.2



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: 0.10 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006010.D

Acq: 25 Jun 2016 20:26

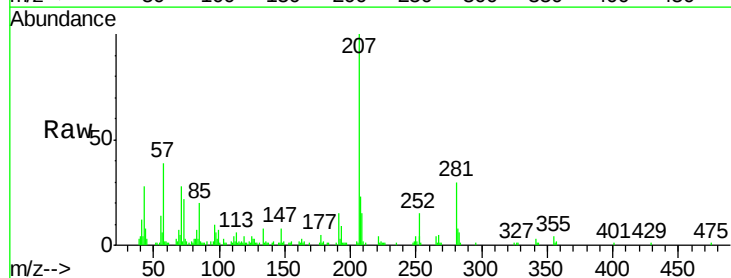
Tgt Ion:252 Resp: 17269

Ion Ratio Lower Upper

252 100

253 25.6 17.2 25.8

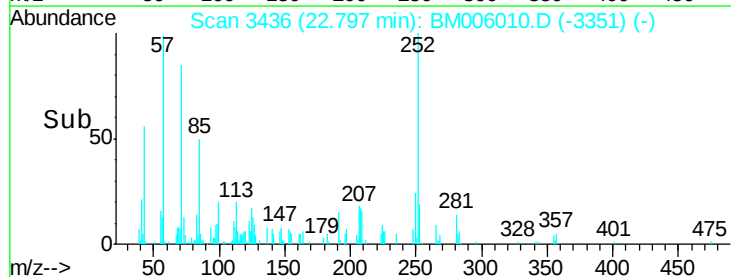
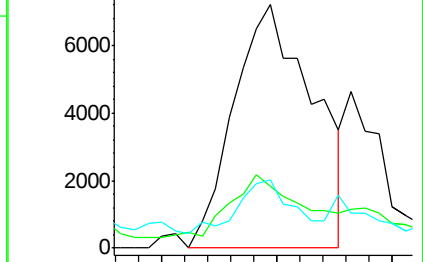
125 27.8 6.8 10.2#

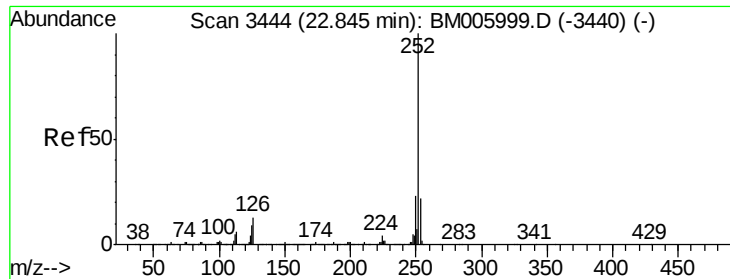


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

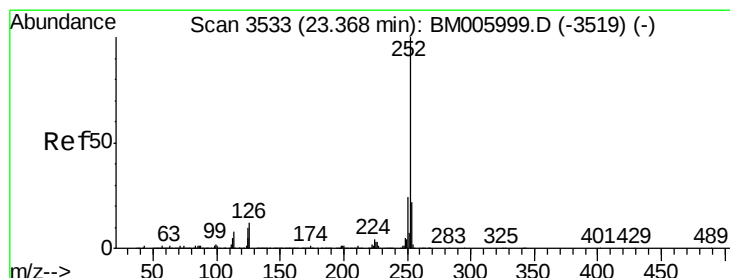
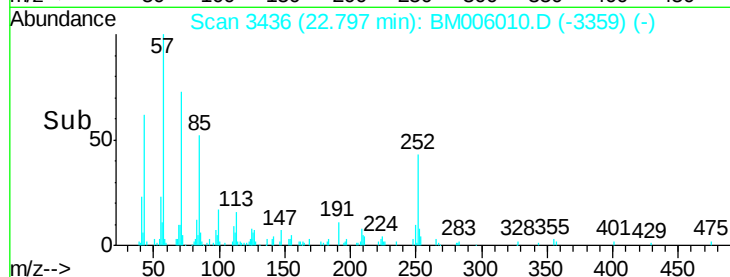
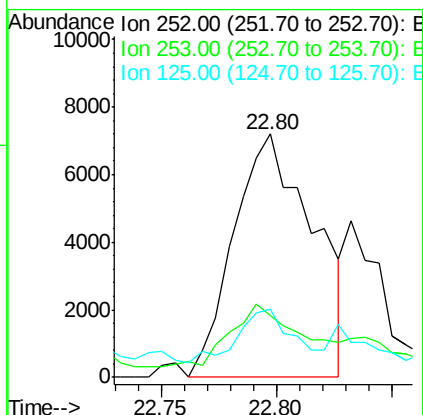
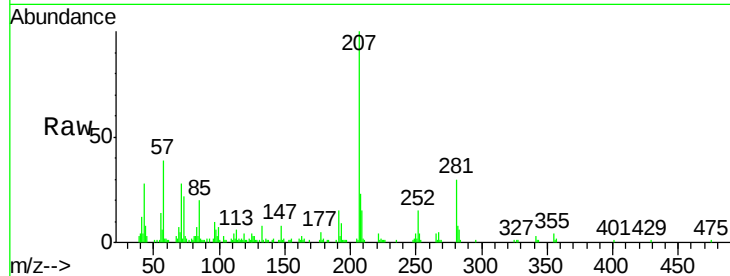




#36
Benzo(k)fluoranthene
Concen: 0.11 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. -0.05 min
Lab File: BM006010.D
Acq: 25 Jun 2016 20:26

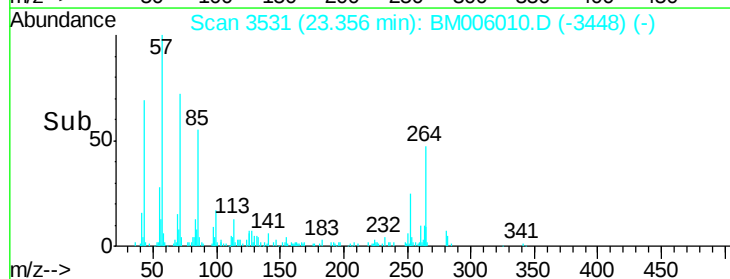
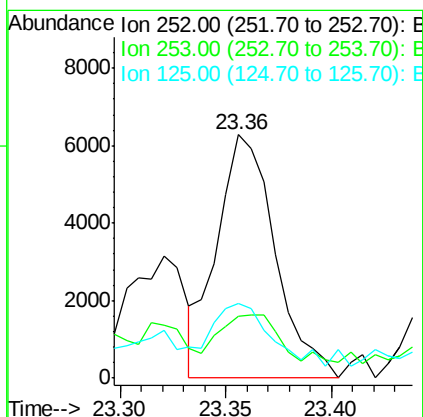
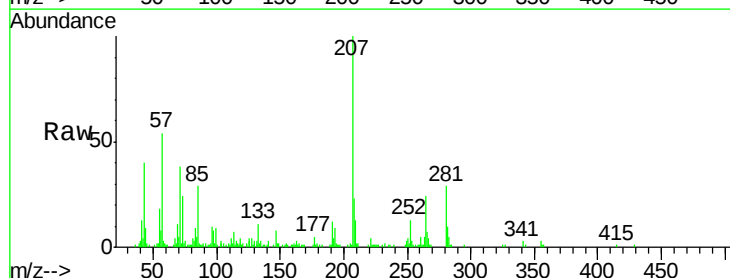
Instrument :
BNA_M
ClientSampleId :
D9Y76

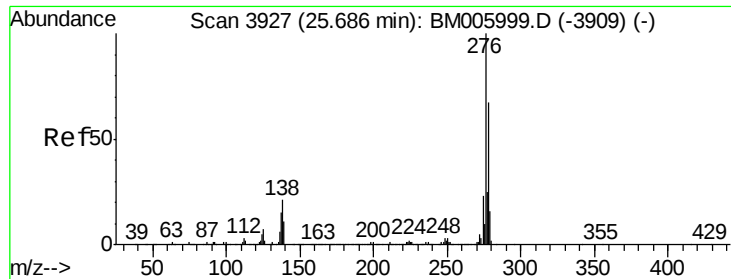
Tgt Ion:252 Resp: 17269
Ion Ratio Lower Upper
252 100
253 25.6 17.3 25.9
125 27.8 7.0 10.4#



#38
Benzo(a)pyrene
Concen: 0.08 ng/ul
RT: 23.36 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BM006010.D
Acq: 25 Jun 2016 20:26

Tgt Ion:252 Resp: 12035
Ion Ratio Lower Upper
252 100
253 25.2 17.6 26.4
125 30.4 7.8 11.6#





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 25.66 min Scan# 3923

Delta R.T. -0.02 min

Lab File: BM006010.D

Acq: 25 Jun 2016 20:26

Instrument :

BNA_M

ClientSampleId :

D9Y76

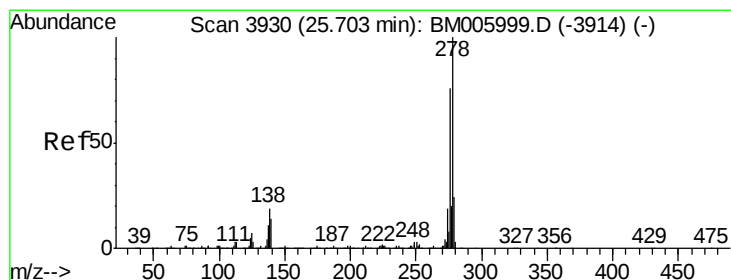
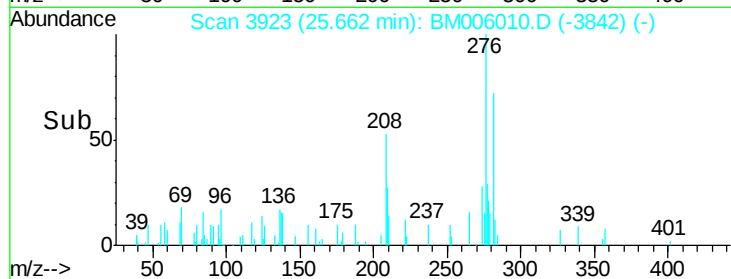
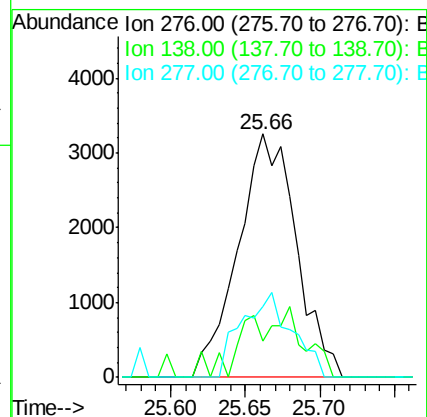
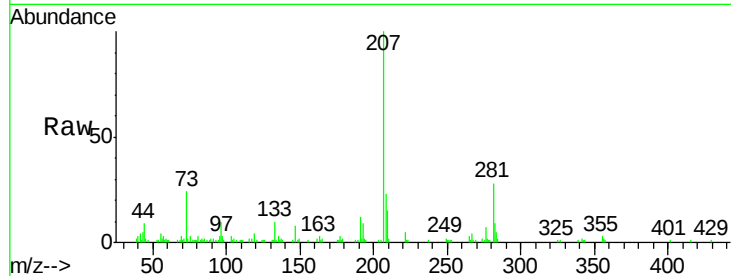
Tgt Ion:276 Resp: 8796

Ion Ratio Lower Upper

276 100

138 15.1 16.6 25.0#

277 29.1 19.6 29.4



#40

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 25.68 min Scan# 3926

Delta R.T. -0.02 min

Lab File: BM006010.D

Acq: 25 Jun 2016 20:26

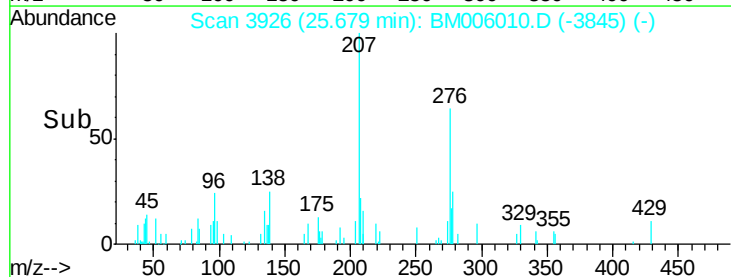
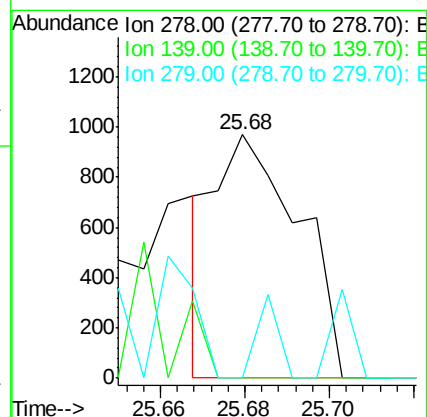
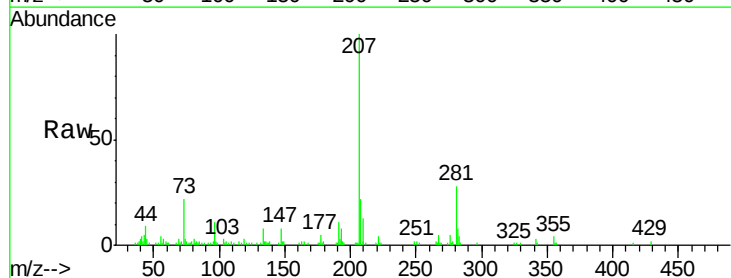
Tgt Ion:278 Resp: 1336

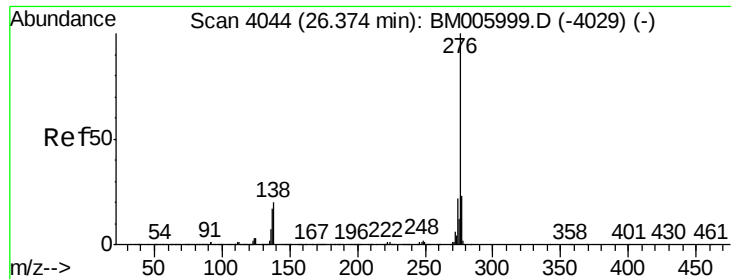
Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.2#

279 0.0 18.8 28.2#





#41

Benzo(g,h,i)perylene

Concen: 0.05 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. -0.03 min

Lab File: BM006010.D

Acq: 25 Jun 2016 20:26

Instrument :

BNA_M

ClientSampleId :

D9Y76

Tgt Ion: 276 Resp: 8377

Ion Ratio Lower Upper

276 100

138 38.9 15.9 23.9#

277 32.4 19.2 28.8#

