

Data Path : Z:\HPCHEM1\BNA_M\Data\BM062716\
 Data File : BM006065.D
 Acq On : 27 Jun 2016 09:21
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02038

Quant Time: Jun 28 02:09:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 10:49:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	321074	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1479789	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	885003	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2102943	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	2000543	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1751956	20.00	ng/ul	0.00

System Monitoring Compounds

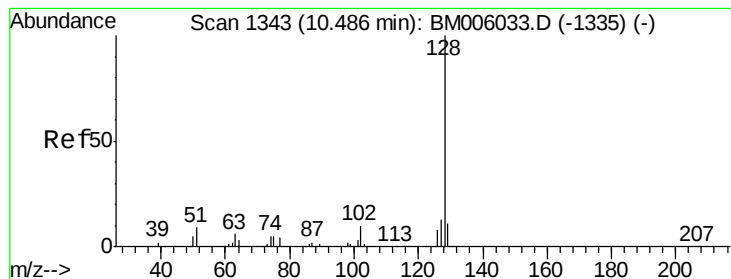
2) 1,4-Dioxane-d8	3.17	96	53244	7.41	ng/uL	0.00
3) Phenol-d5	6.83	99	599318	17.74	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	348976	18.57	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	453592	19.28	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	480805	16.86	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	232288	20.62	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	251758	20.08	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	481569	20.03	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	590042	22.62	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1406414	18.56	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1841831	20.96	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	278592	17.24	ng/ul	0.00
21) Fluorene-d10	15.30	176	1269960	19.63	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	169124	14.49	ng/ul	0.00
26) Anthracene-d10	17.16	188	1993115	20.63	ng/ul	0.00
30) Pyrene-d10	19.46	212	2184465	24.93	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	1625883	20.56	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.49	128	1502931	20.33	ng/ul	99
13) 2-Methylnaphthalene	12.11	142	1137070	19.11	ng/ul	98
14) 1-Methylnaphthalene	12.33	142	1071796	18.82	ng/ul	100
18) Acenaphthylene	14.03	152	1923132	20.76	ng/ul	100
19) Acenaphthene	14.37	153	1207490	20.52	ng/ul	99
22) Fluorene	15.36	166	1373415	19.37	ng/ul	99
25) Phenanthrene	17.10	178	2334091	20.64	ng/ul	100
27) Anthracene	17.19	178	2406034	20.60	ng/ul	99
28) Fluoranthene	19.12	202	2818164	19.45	ng/ul	99
31) Pyrene	19.49	202	2846641	24.86	ng/ul	97
32) Benzo(a)anthracene	21.24	228	2456513	20.67	ng/ul	99
33) Chrysene	21.29	228	2252633	20.75	ng/ul	100
35) Benzo(b)fluoranthene	22.81	252	2240782	22.01	ng/ul	99
36) Benzo(k)fluoranthene	22.86	252	2021889	21.35	ng/ul	98
38) Benzo(a)pyrene	23.39	252	2010738	20.60	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.72	276	2204690	18.95	ng/ul	97
40) Dibenzo(a,h)anthracene	25.73	278	1828784	18.90	ng/ul	98
41) Benzo(g,h,i)perylene	26.40	276	1895998	18.84	ng/ul	97

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

```
Data Path : Z:\HPCHEM1\BNA_M\Data\BM062716\  
Data File : BM006065.D  
Acq On    : 27 Jun 2016  09:21  
Operator  : UM/SJ  
Sample    : SSTCCC020  
Misc      :  
ALS Vial  : 2      Sample Multiplier: 1
```



#11

Naphthalene

Concen: 20.33 ng/ul

RT: 10.49 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

Instrument :

BNA_M

ClientSampleId :

SSTD02038

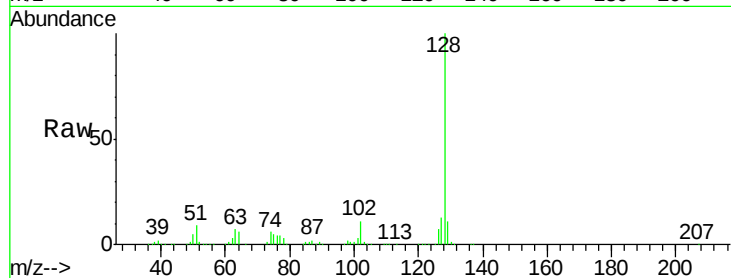
Tgt Ion:128 Resp: 1502931

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

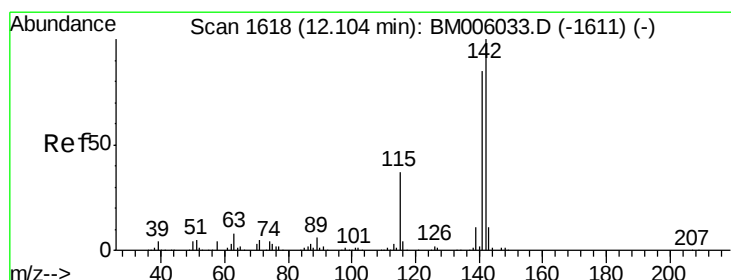
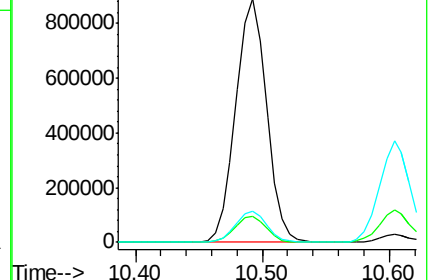
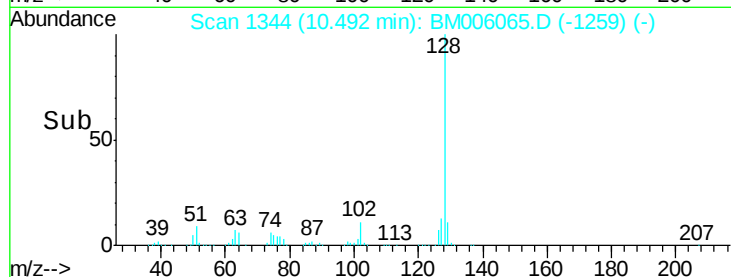
127 12.9 10.5 15.7



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: 19.11 ng/ul

RT: 12.11 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BM006065.D

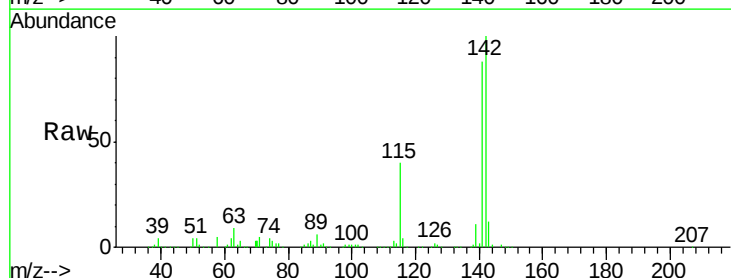
Acq: 27 Jun 2016 09:21

Tgt Ion:142 Resp: 1137070

Ion Ratio Lower Upper

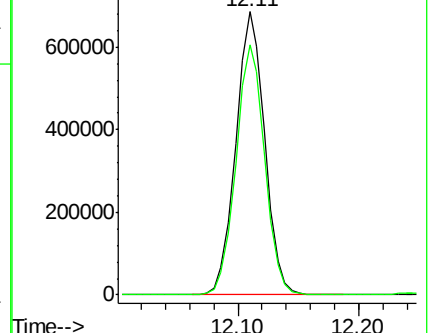
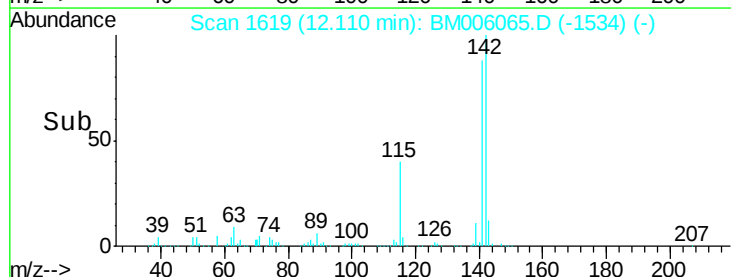
142 100

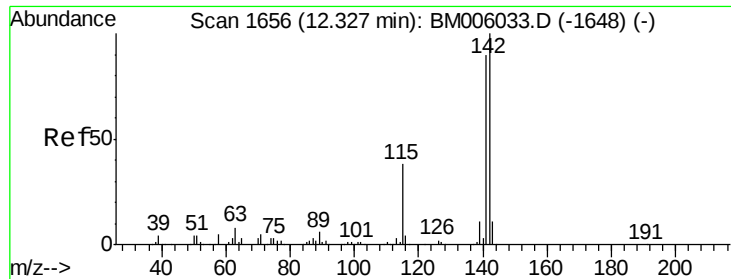
141 88.3 69.0 103.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

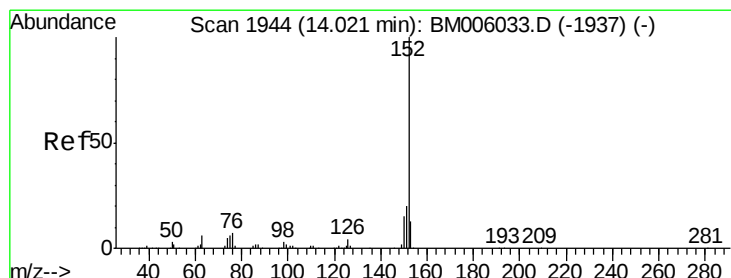
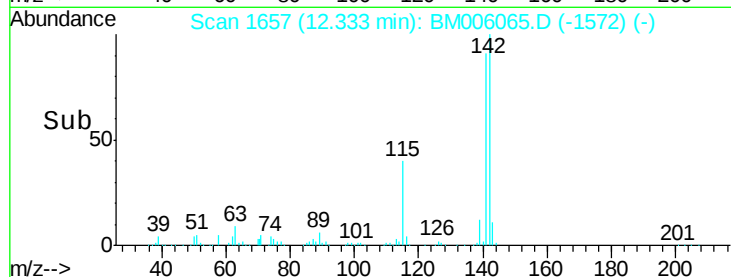
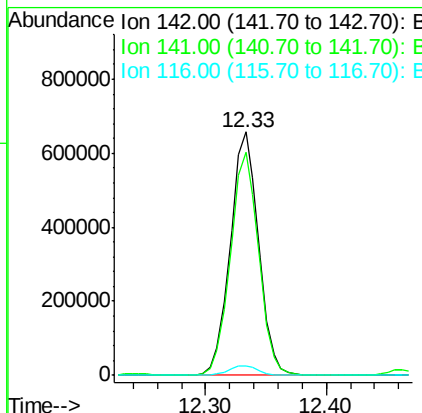
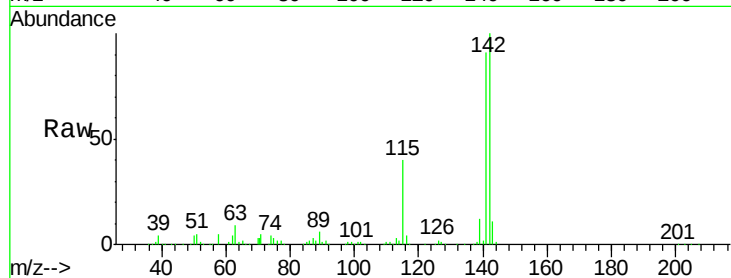




#14
1-Methylnaphthalene
Concen: 18.82 ng/ul
RT: 12.33 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BM006065.D
Acq: 27 Jun 2016 09:21

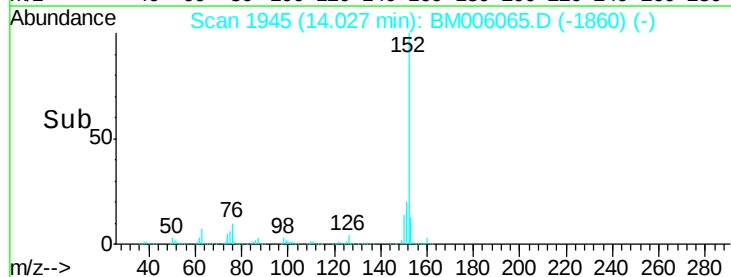
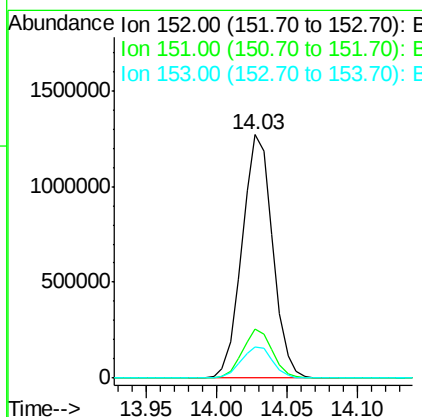
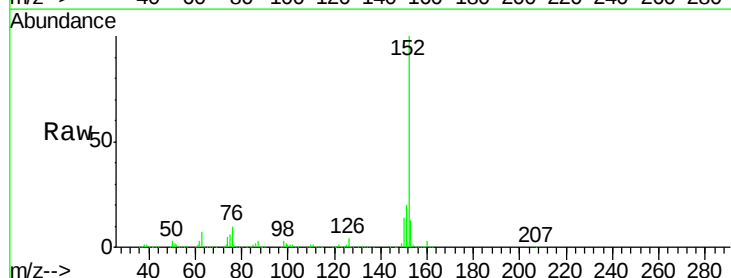
Instrument :
BNA_M
ClientSampleId :
SSTD02038

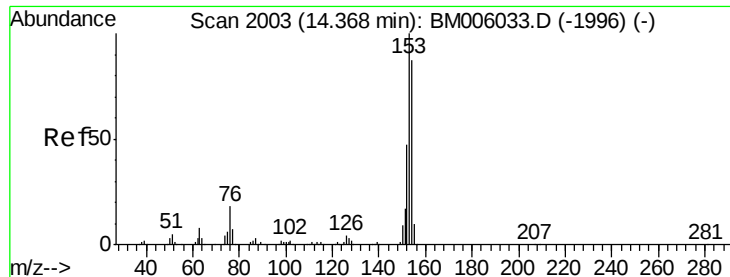
Tgt Ion:142 Resp: 1071796
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.4
116 3.9 3.0 4.6



#18
Acenaphthylene
Concen: 20.76 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BM006065.D
Acq: 27 Jun 2016 09:21

Tgt Ion:152 Resp: 1923132
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.0 10.3 15.5





#19

Acenaphthene

Concen: 20.52 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

Instrument :

BNA_M

ClientSampleId :

SSTD02038

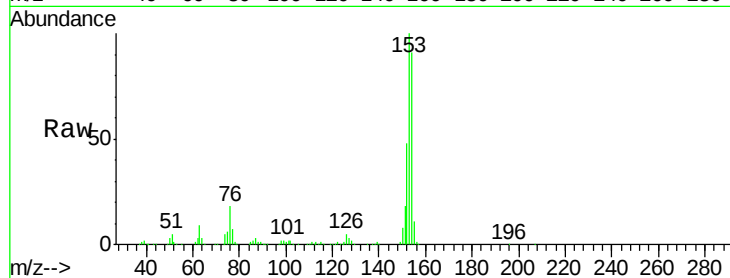
Tgt Ion:153 Resp: 1207490

Ion Ratio Lower Upper

153 100

152 48.0 38.1 57.1

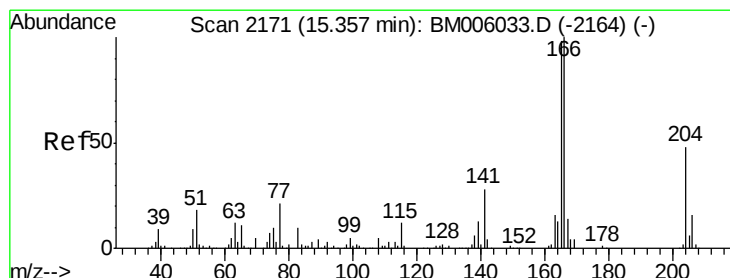
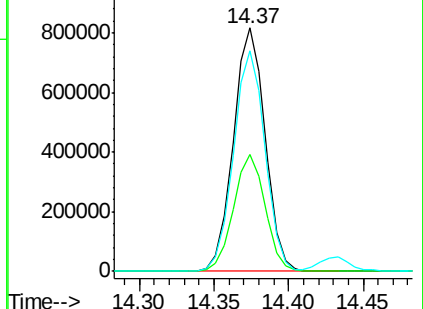
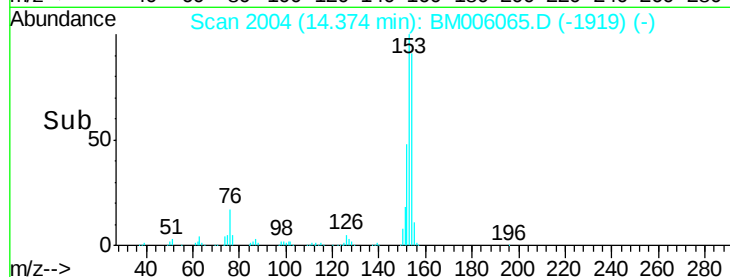
154 90.8 71.6 107.4



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: 19.37 ng/ul

RT: 15.36 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

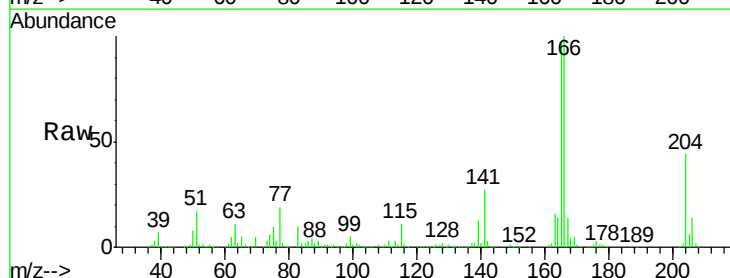
Tgt Ion:166 Resp: 1373415

Ion Ratio Lower Upper

166 100

165 97.3 78.4 117.6

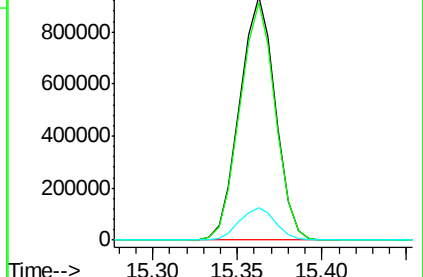
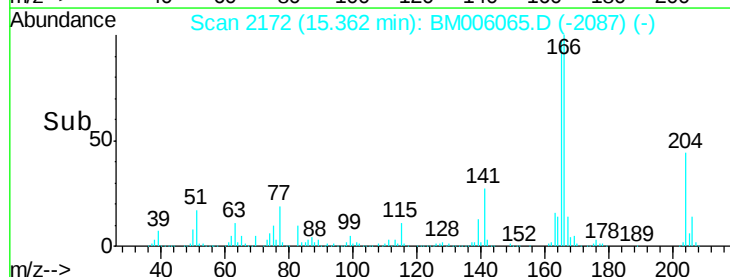
167 13.6 10.6 16.0

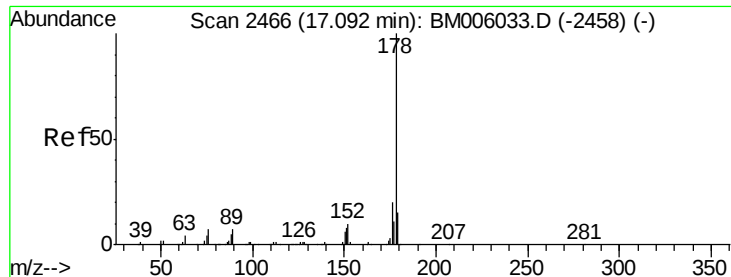


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.64 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

Instrument :

BNA_M

ClientSampleId :

SSTD02038

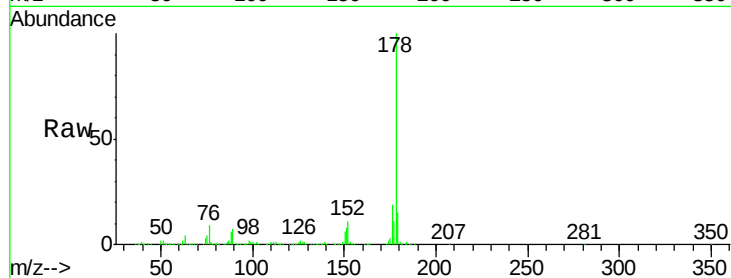
Tgt Ion:178 Resp: 2334091

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.2

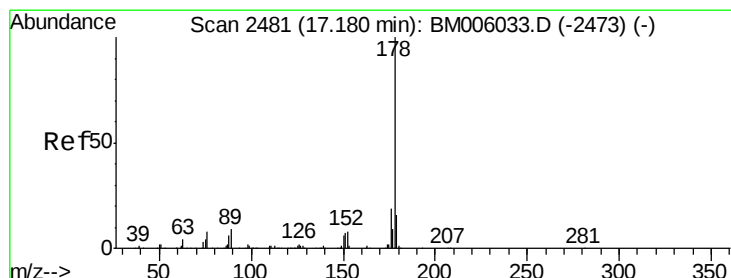
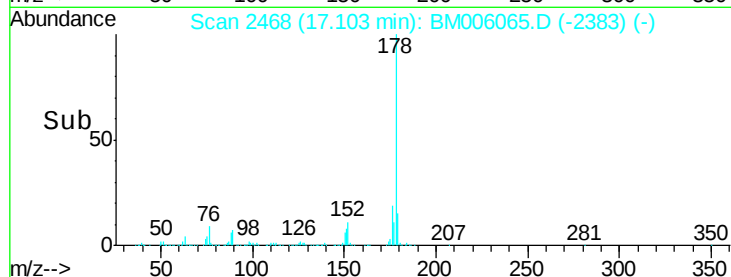
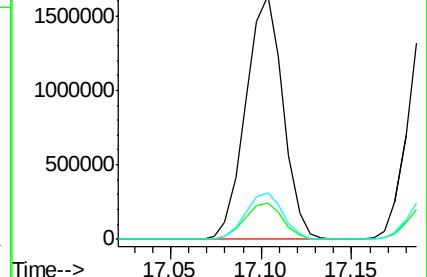
176 19.3 15.3 22.9



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: 20.60 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

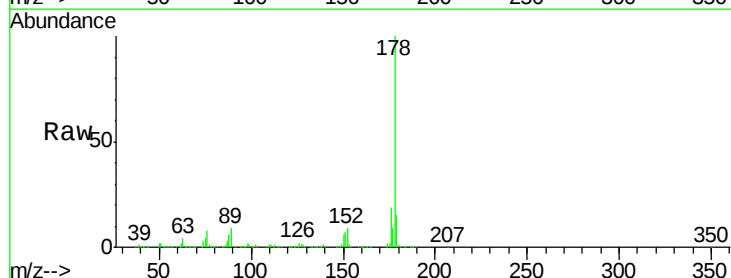
Tgt Ion:178 Resp: 2406034

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

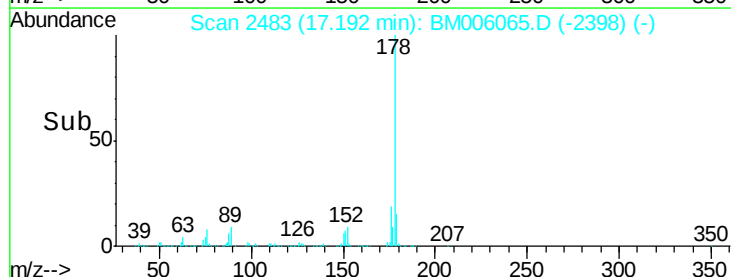
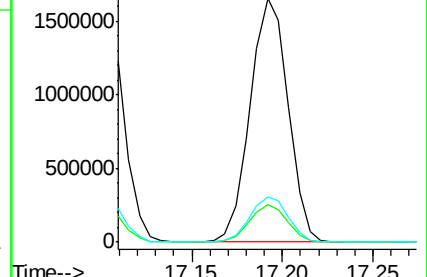
176 18.7 14.6 22.0

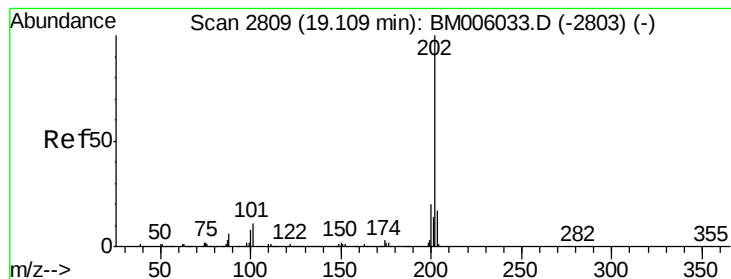


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 19.45 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

Instrument :

BNA_M

ClientSampleId :

SSTD02038

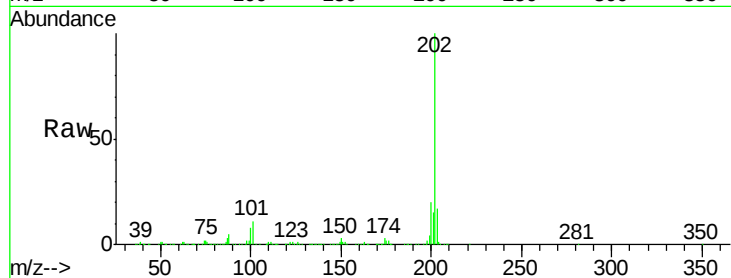
Tgt Ion:202 Resp: 2818164

Ion Ratio Lower Upper

202 100

101 10.6 8.5 12.7

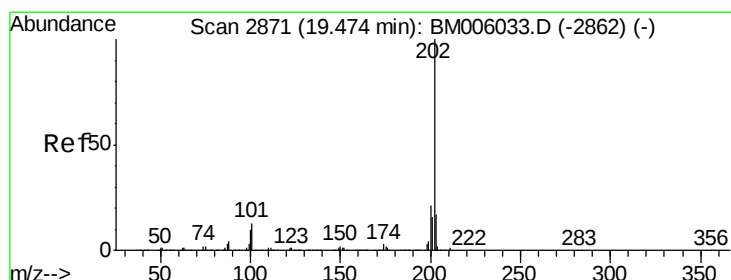
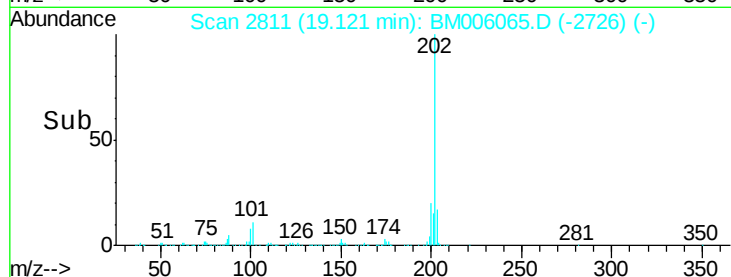
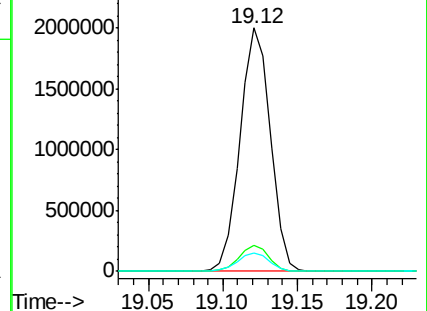
100 7.7 6.5 9.7



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: 24.86 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

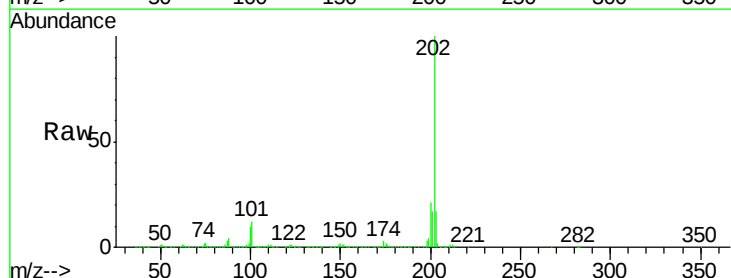
Tgt Ion:202 Resp: 2846641

Ion Ratio Lower Upper

202 100

101 12.4 11.0 16.4

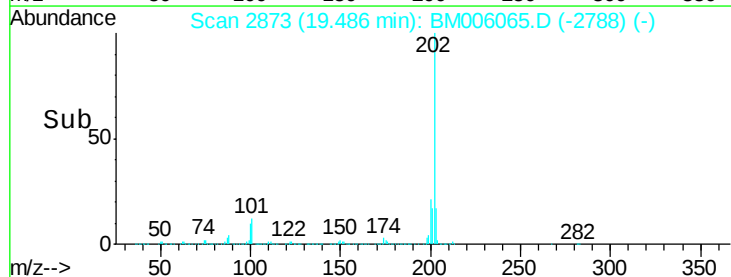
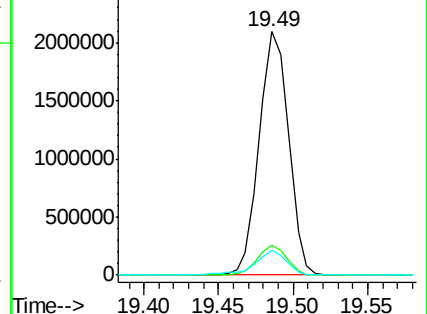
100 9.9 8.9 13.3

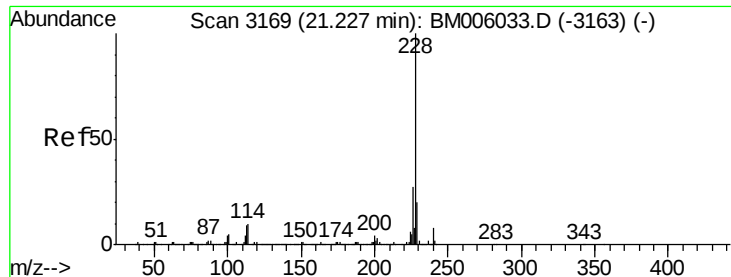


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.67 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BM006065.D

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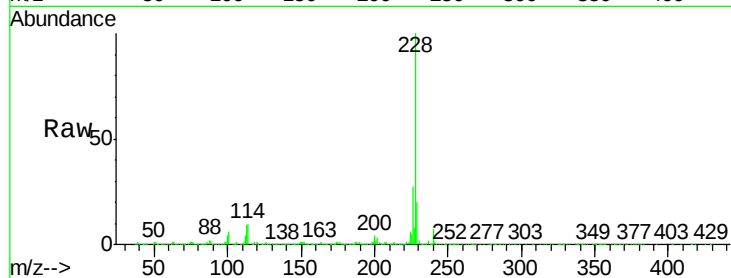
Tgt Ion:228 Resp: 2456513

Ion Ratio Lower Upper

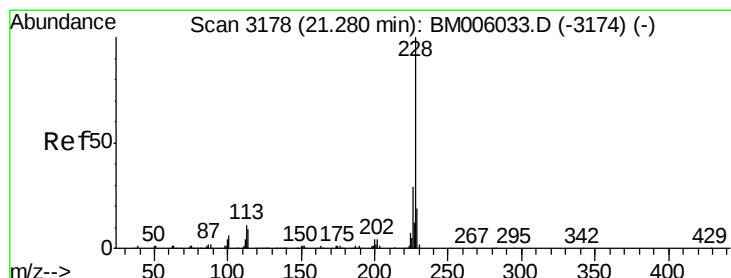
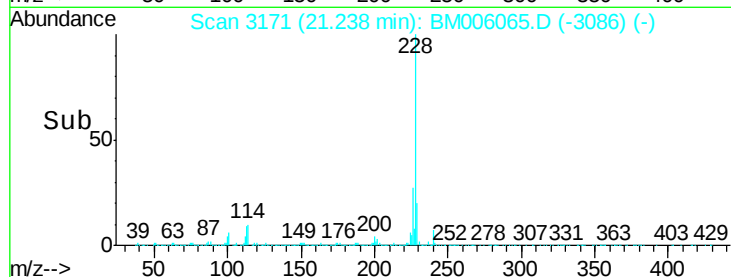
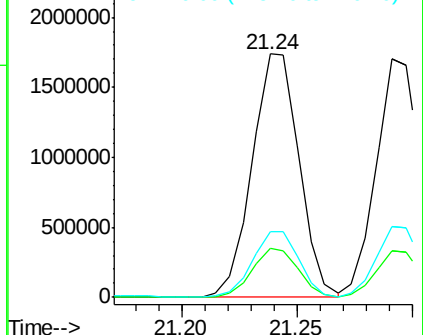
228 100

229 20.0 15.6 23.4

226 27.0 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: 20.75 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

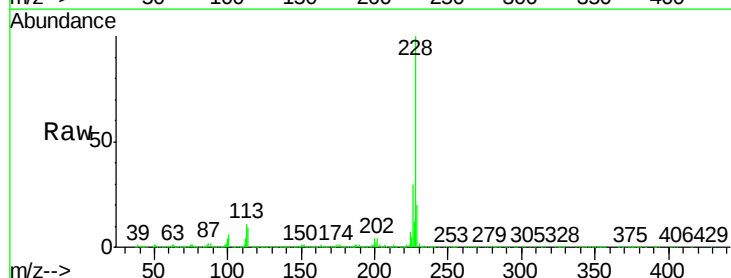
Tgt Ion:228 Resp: 2252633

Ion Ratio Lower Upper

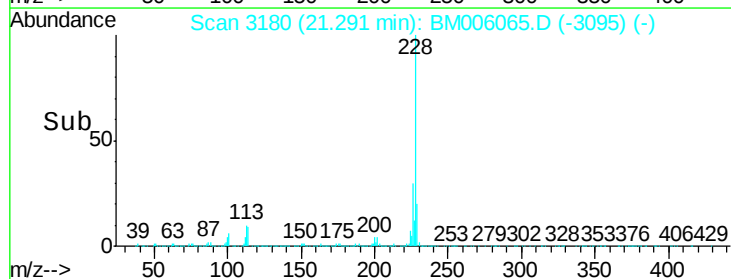
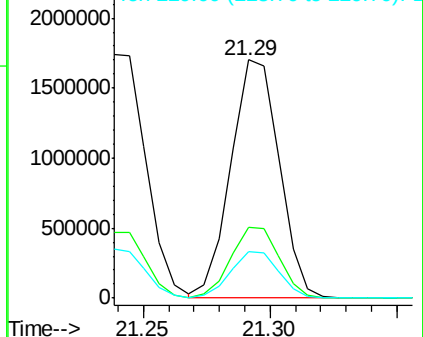
228 100

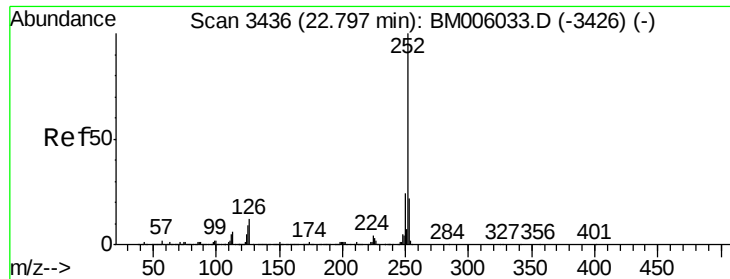
226 29.8 23.8 35.6

229 19.6 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: 22.01 ng/ul

RT: 22.81 min Scan# 3439

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

Instrument :

BNA_M

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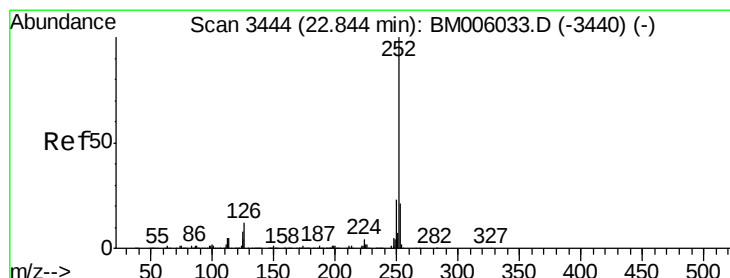
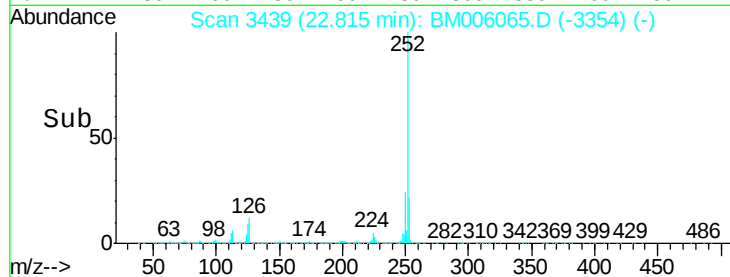
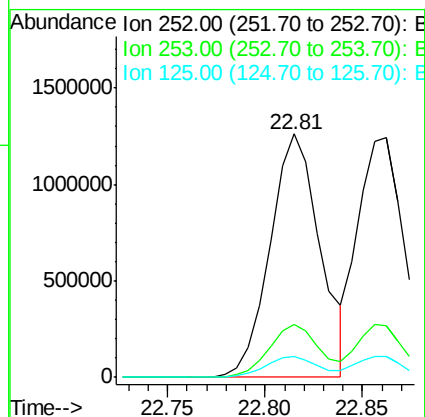
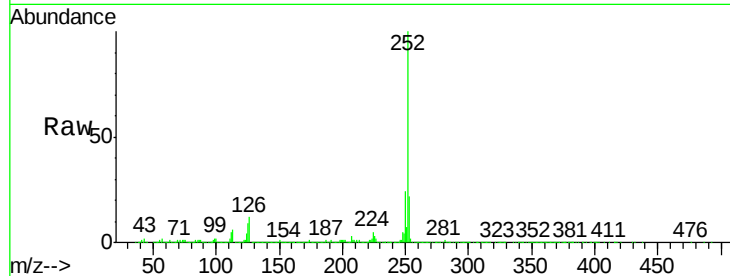
Tgt Ion:252 Resp: 2240782

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 8.8 7.8 11.6



#36

Benzo(k)fluoranthene

Concen: 21.35 ng/ul

RT: 22.86 min Scan# 3447

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

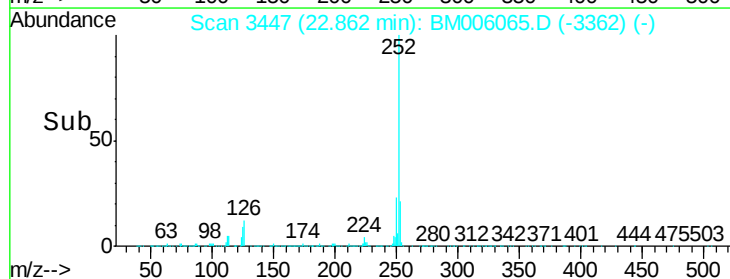
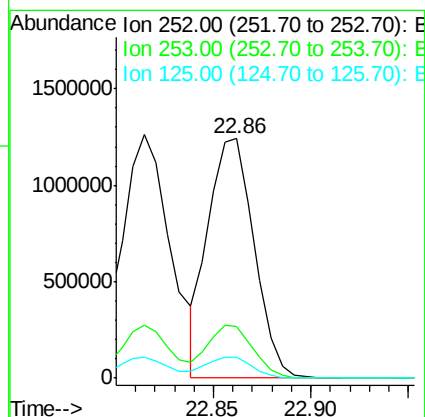
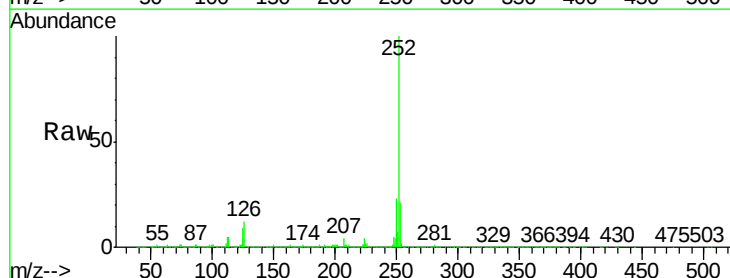
Tgt Ion:252 Resp: 2021889

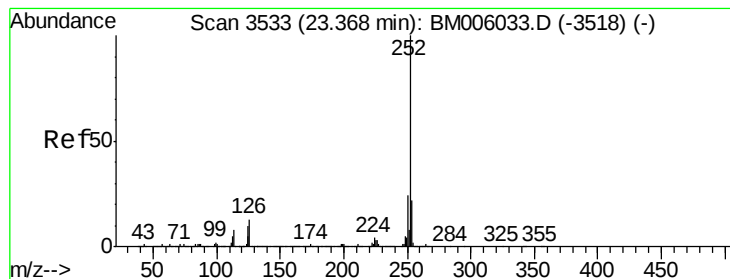
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 8.7 8.1 12.1





#38

Benzo(a)pyrene

Concen: 20.60 ng/ul

RT: 23.39 min Scan# 3536

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

Instrument :

BNA_M

ClientSampleId :

SSTD02038

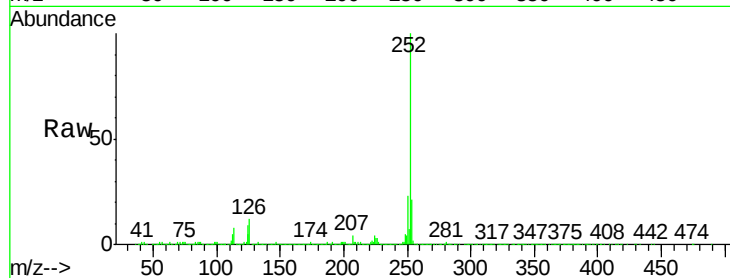
Tgt Ion:252 Resp: 2010738

Ion Ratio Lower Upper

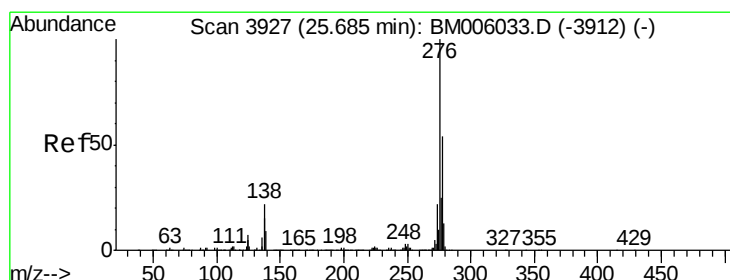
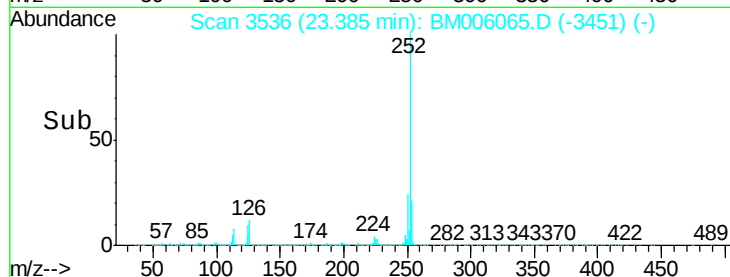
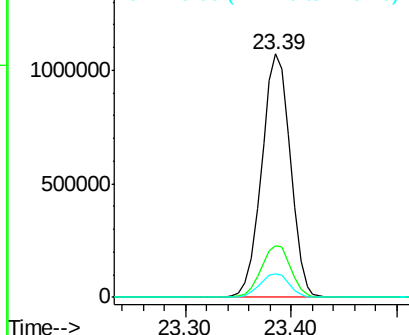
252 100

253 21.3 17.8 26.6

125 9.5 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: 18.95 ng/ul

RT: 25.72 min Scan# 3933

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

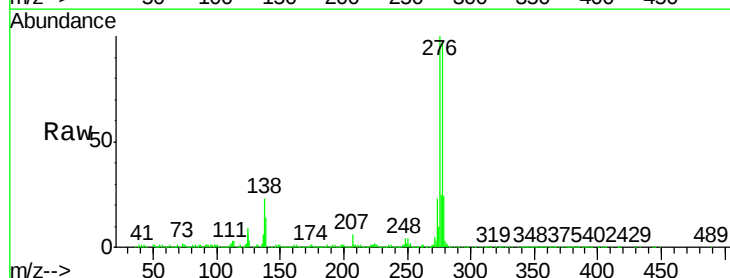
Tgt Ion:276 Resp: 2204690

Ion Ratio Lower Upper

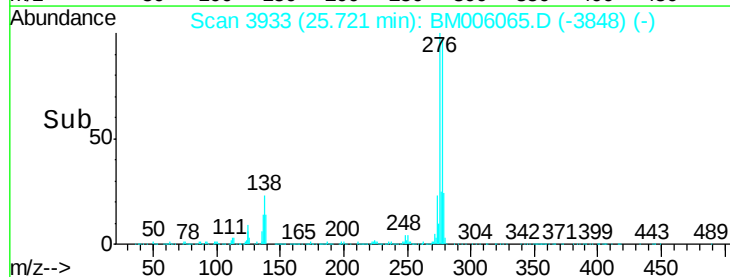
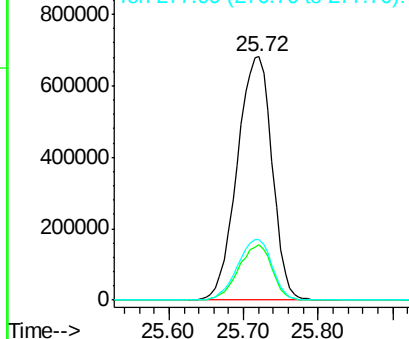
276 100

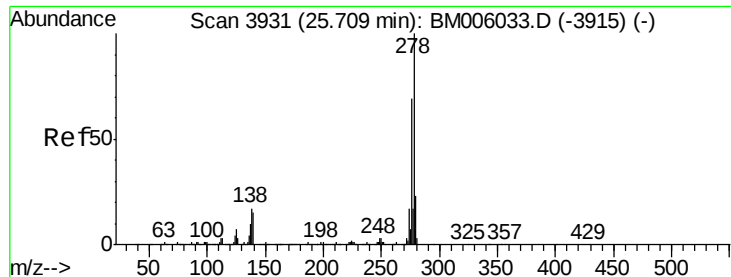
138 22.6 20.4 30.6

277 25.1 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: 18.90 ng/ul

RT: 25.73 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

Instrument :

BNA_M

ClientSampleId :

SSTD02038

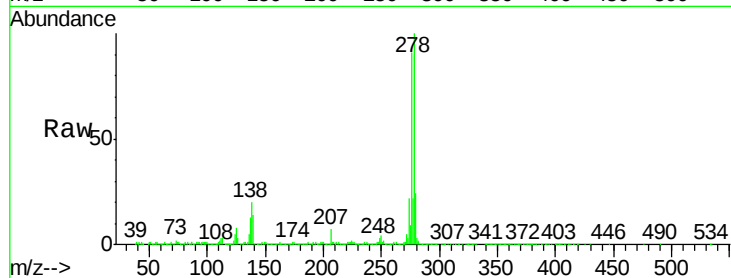
Tgt Ion:278 Resp: 1828784

Ion Ratio Lower Upper

278 100

139 14.2 13.0 19.4

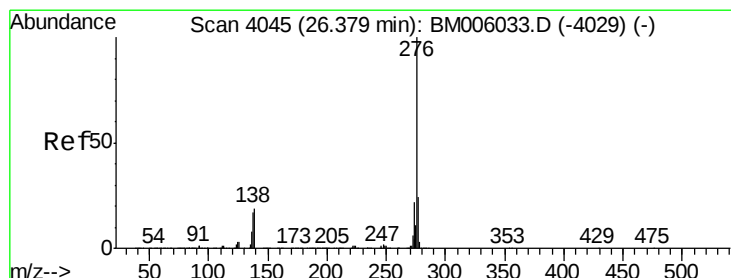
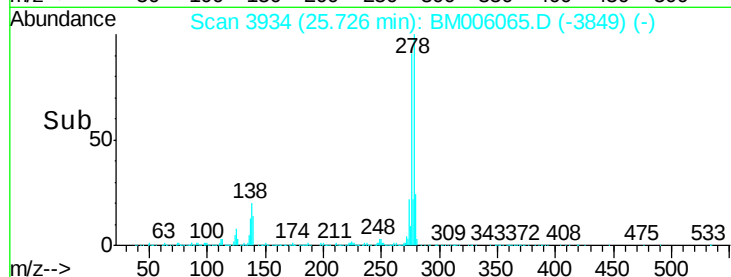
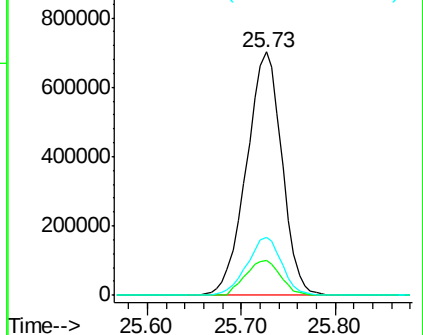
279 23.7 18.8 28.2



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: 18.84 ng/ul

RT: 26.40 min Scan# 4048

Delta R.T. 0.00 min

Lab File: BM006065.D

Acq: 27 Jun 2016 09:21

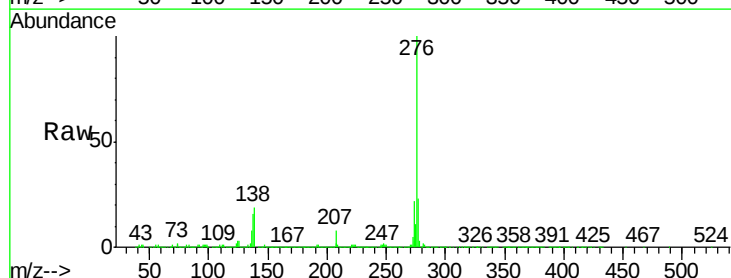
Tgt Ion:276 Resp: 1895998

Ion Ratio Lower Upper

276 100

138 18.8 16.6 25.0

277 23.1 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

