

Data Path : Z:\HPCHEM1\BNA_M\Data\BM063016\
 Data File : BM006154.D
 Acq On : 30 Jun 2016 11:22
 Operator : UM/SJ
 Sample : H3777-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC3

Quant Time: Jun 30 15:20:30 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	202315	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	967661	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	562383	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1276306	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1213280	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1039170	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	7648	1.76	ng/uL	0.00
3) Phenol-d5	6.82	99	353703	21.40	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	244372	25.08	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	296373	23.36	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	258050	19.40	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	155016	23.78	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	171123	22.94	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	305615	22.45	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	251232	23.35	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	936400	23.23	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1214727	24.83	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	85674	11.20	ng/ul	0.00
21) Fluorene-d10	15.30	176	828416	24.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	107929	23.88	ng/ul	0.00
26) Anthracene-d10	17.14	188	1265747	24.72	ng/ul	0.00
30) Pyrene-d10	19.45	212	1386540	28.38	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1000363	24.19	ng/ul	0.00

Target Compounds

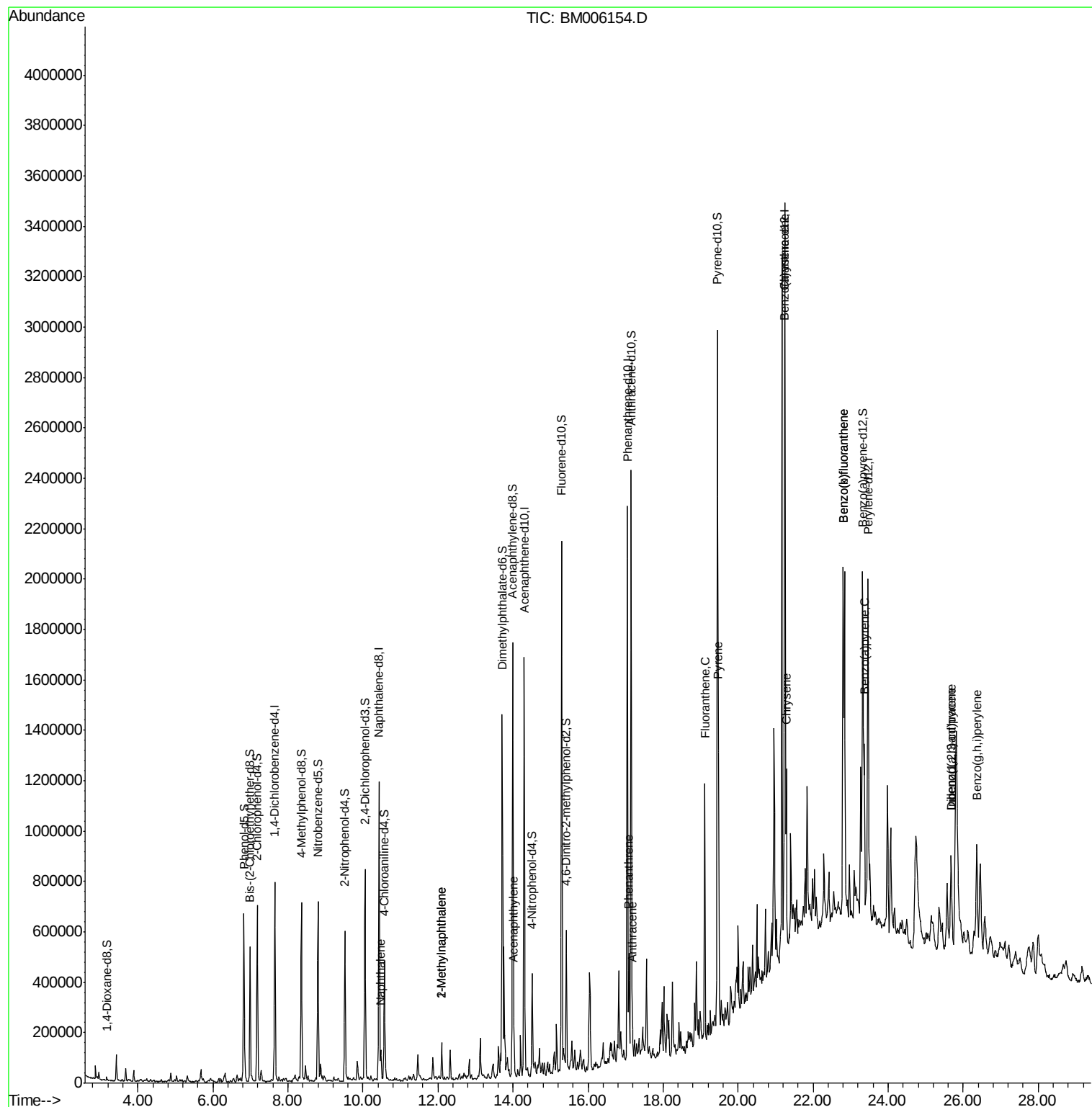
						Qvalue
11) Naphthalene	10.48	128	80470	1.90	ng/ul	98
13) 2-Methylnaphthalene	12.10	142	72883	2.26	ng/ul	98
14) 1-Methylnaphthalene	12.10	142	72883	2.38	ng/ul	93
18) Acenaphthylene	14.02	152	94820	1.85	ng/ul	99
25) Phenanthrene	17.09	178	241845	4.00	ng/ul	99
27) Anthracene	17.18	178	108828	1.75	ng/ul	98
28) Fluoranthene	19.12	202	593820	8.03	ng/ul	99
31) Pyrene	19.48	202	575324	8.99	ng/ul	96
32) Benzo(a)anthracene	21.23	228	409379	6.49	ng/ul	92
33) Chrysene	21.29	228	469667	8.09	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	897124	16.63	ng/ul	98
36) Benzo(k)fluoranthene	22.80	252	897124	17.73	ng/ul	99
38) Benzo(a)pyrene	23.37	252	472273	9.27	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.68	276	377040	7.12	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.69	278	108042	2.47	ng/ul#	85
41) Benzo(g,h,i)perylene	26.36	276	360108	8.12	ng/ul	98

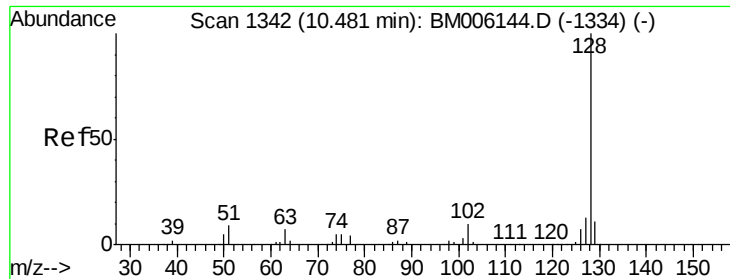
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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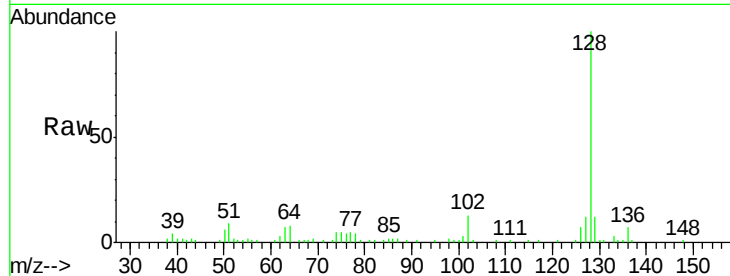




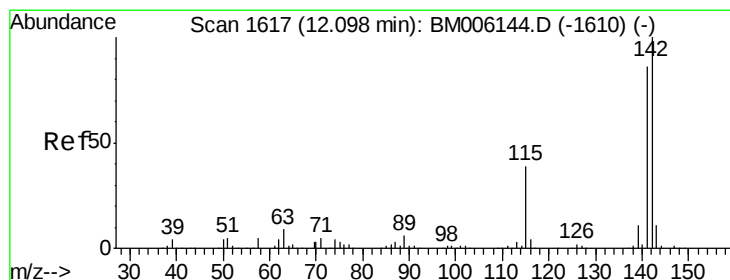
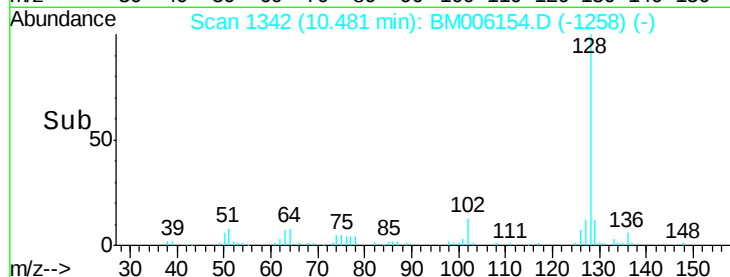
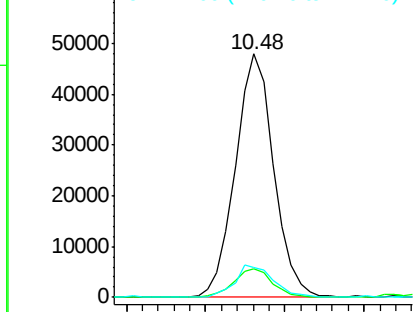
#11
Naphthalene
Concen: 1.90 ng/ul
RT: 10.48 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Instrument :
BNA_M
ClientSampleId :
D9YC3

Tgt Ion:128 Resp: 80470
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 12.3 10.5 15.7

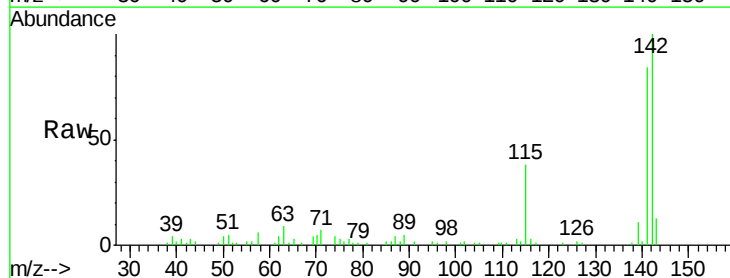


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

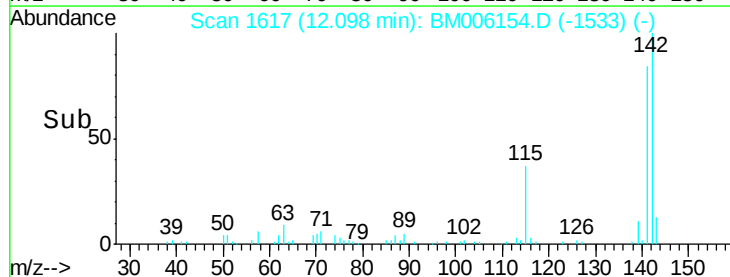
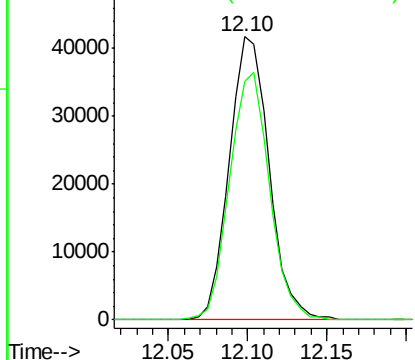


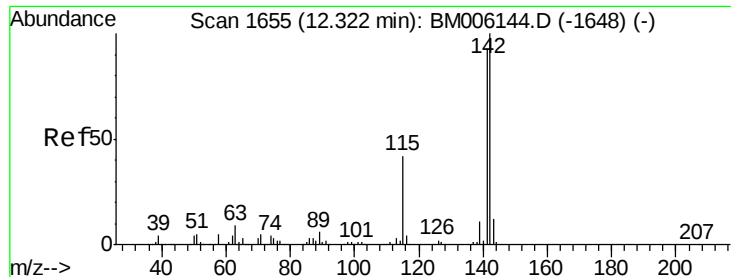
#13
2-Methylnaphthalene
Concen: 2.26 ng/ul
RT: 12.10 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:142 Resp: 72883
Ion Ratio Lower Upper
142 100
141 84.3 69.0 103.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

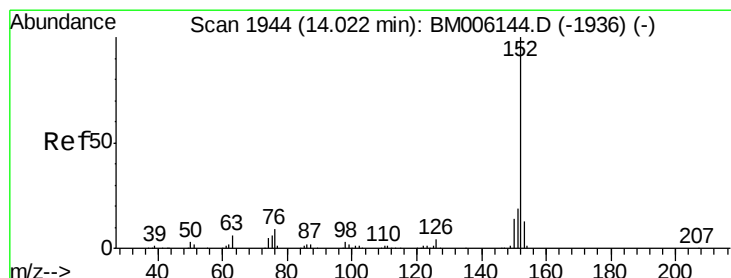
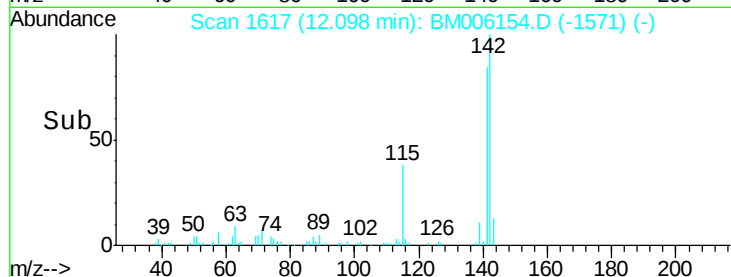
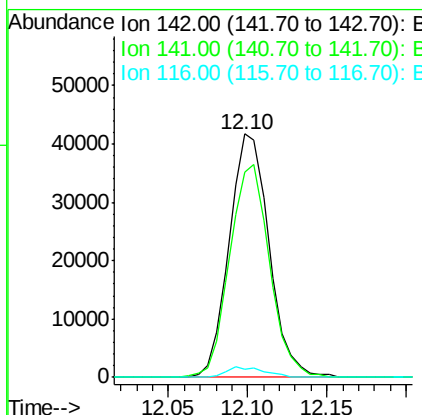
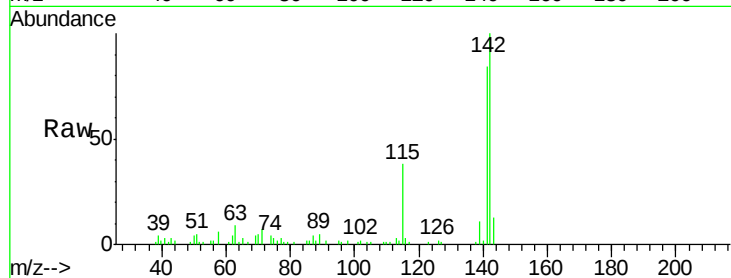




#14
1-Methylnaphthalene
Concen: 2.38 ng/ul
RT: 12.10 min Scan# 1617
Delta R.T. -0.23 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

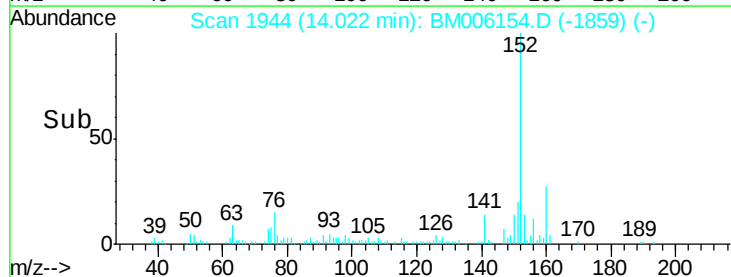
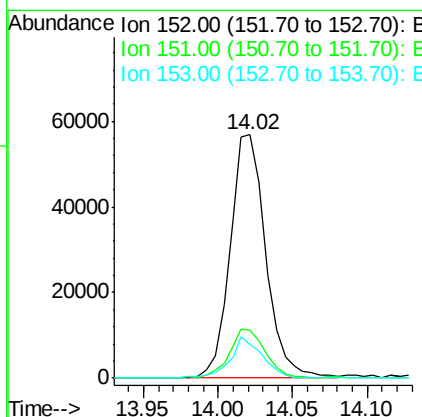
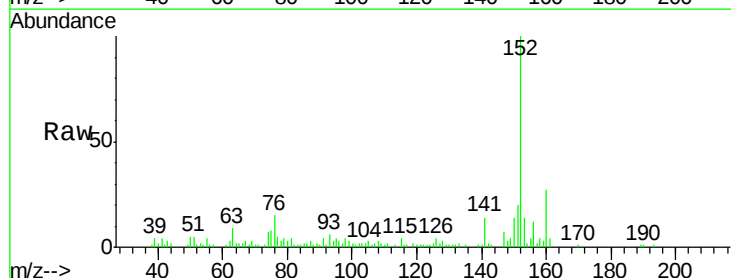
Instrument :
BNA_M
ClientSampleId :
D9YC3

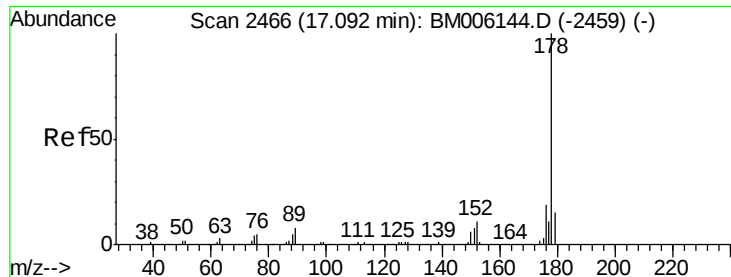
Tgt Ion:142 Resp: 72883
Ion Ratio Lower Upper
142 100
141 84.3 73.0 109.4
116 3.2 3.0 4.6



#18
Acenaphthylene
Concen: 1.85 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:152 Resp: 94820
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.9 10.3 15.5





#25

Phenanthrene

Concen: 4.00 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

Instrument :

BNA_M

ClientSampleId :

D9YC3

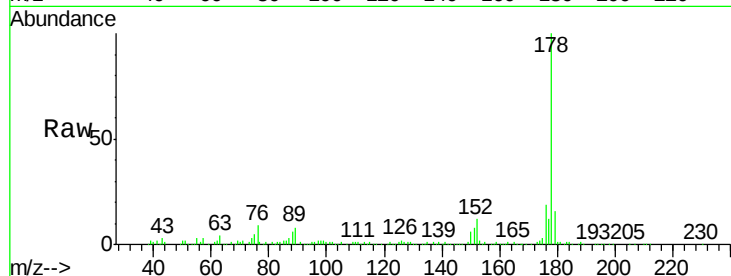
Tgt Ion:178 Resp: 241845

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.2

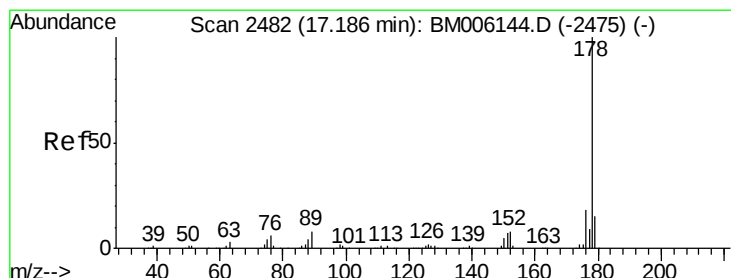
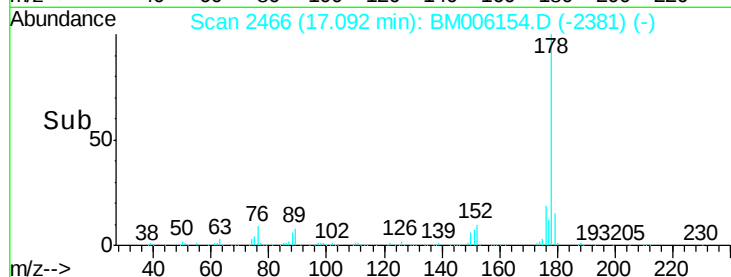
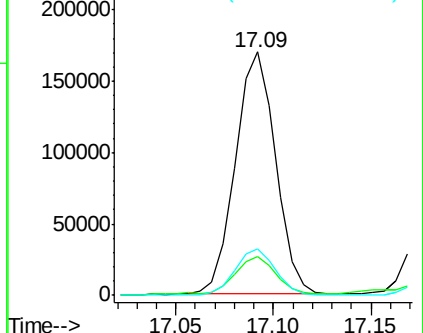
176 19.1 15.3 22.9



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: 1.75 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

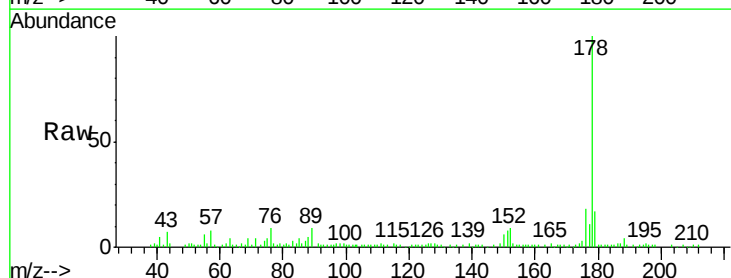
Tgt Ion:178 Resp: 108828

Ion Ratio Lower Upper

178 100

179 16.6 12.3 18.5

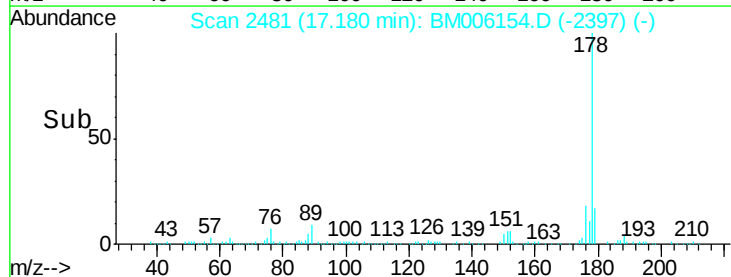
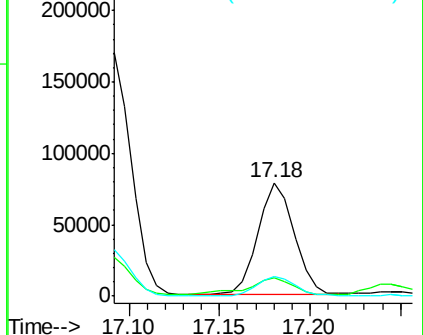
176 17.9 14.6 22.0

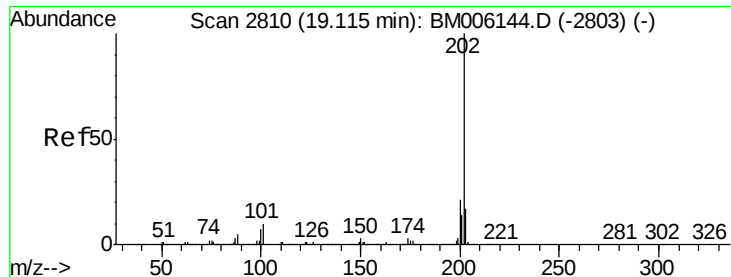


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

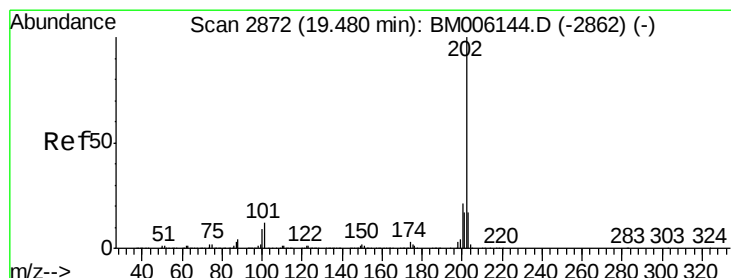
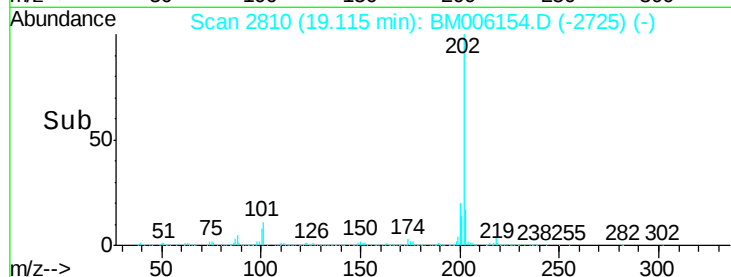
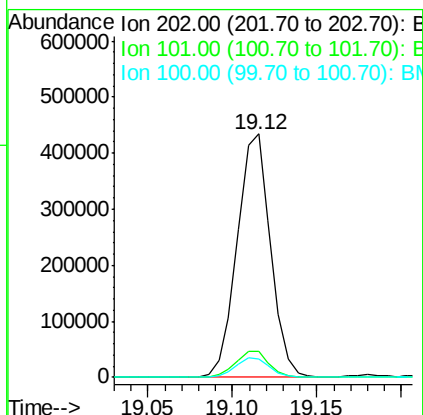
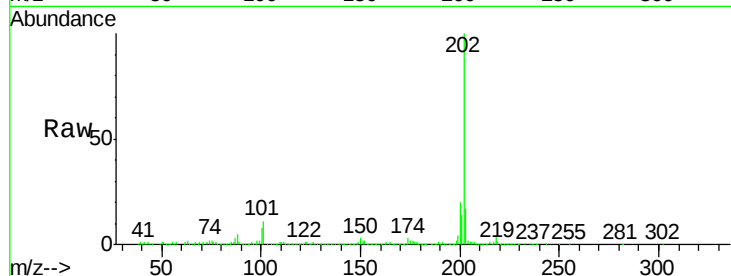




#28
Fluoranthene
Concen: 8.03 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

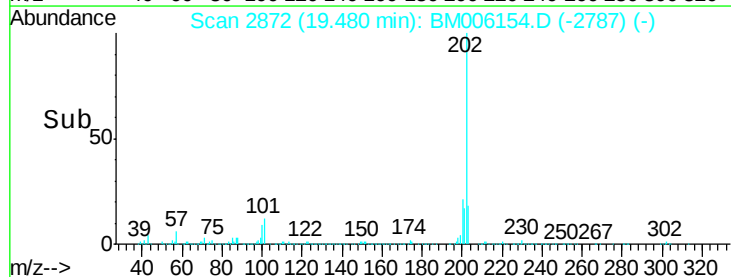
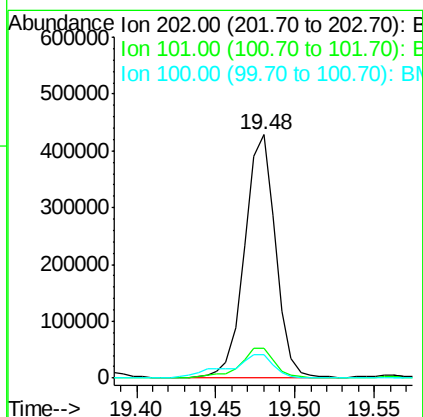
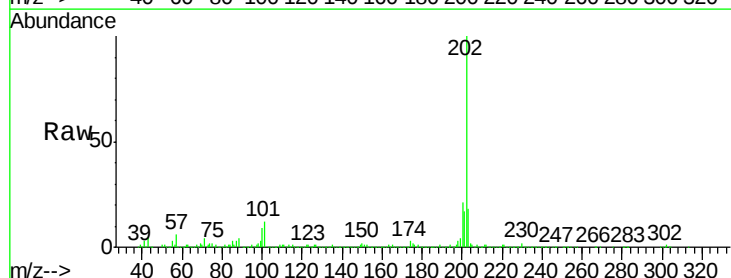
Instrument :
BNA_M
ClientSampleId :
D9YC3

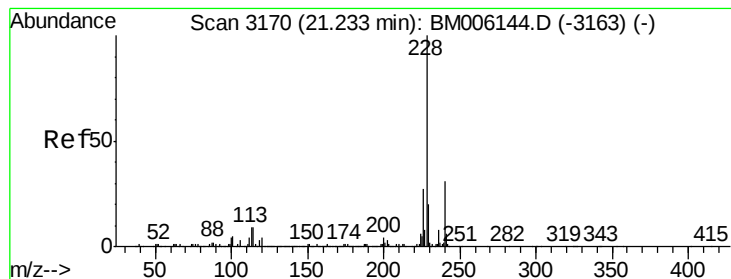
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.5	12.7
100	7.7	6.5	9.7



#31
Pyrene
Concen: 8.99 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.0	16.4
100	9.5	8.9	13.3





#32

Benzo(a)anthracene

Concen: 6.49 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

Instrument :

BNA_M

ClientSampleId :

D9YC3

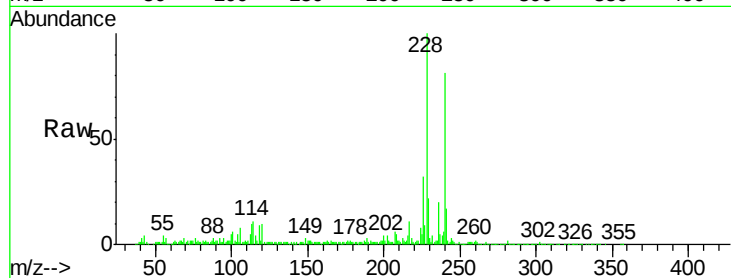
Tgt Ion:228 Resp: 409379

Ion Ratio Lower Upper

228 100

229 22.0 15.6 23.4

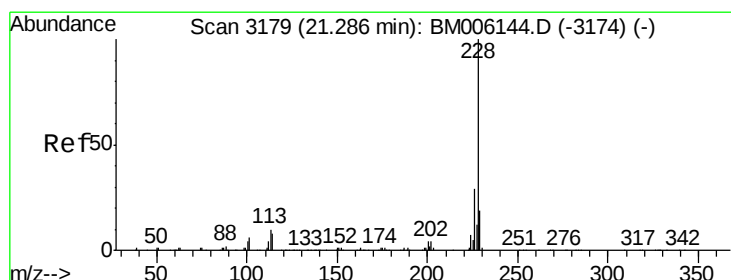
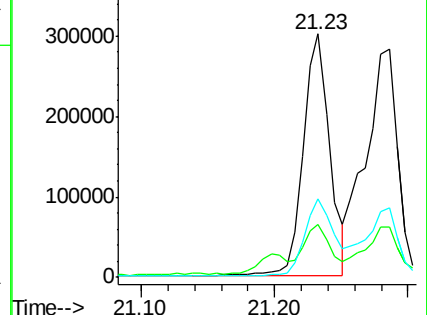
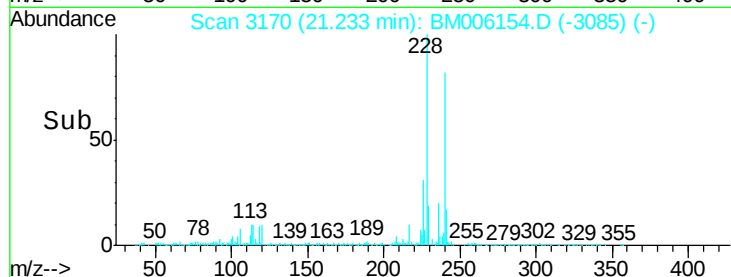
226 32.3 21.6 32.4



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: 8.09 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

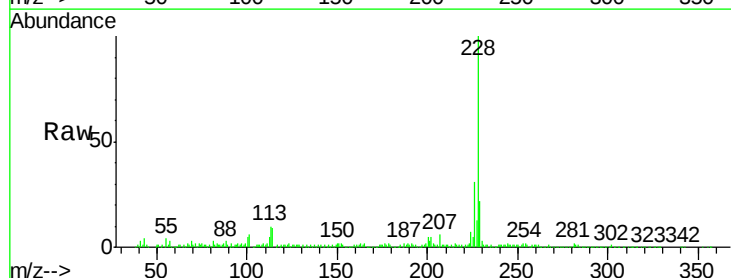
Tgt Ion:228 Resp: 469667

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

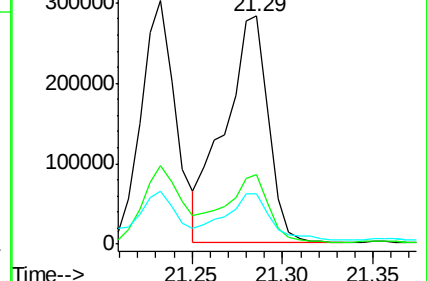
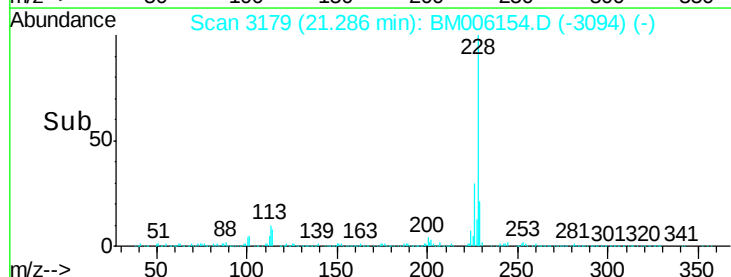
229 22.0 15.8 23.6

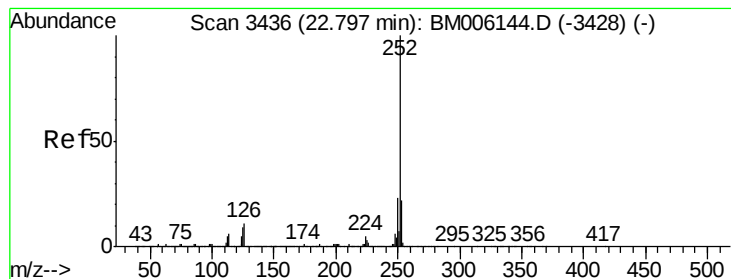


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 16.63 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

Instrument :

BNA_M

ClientSampleId :

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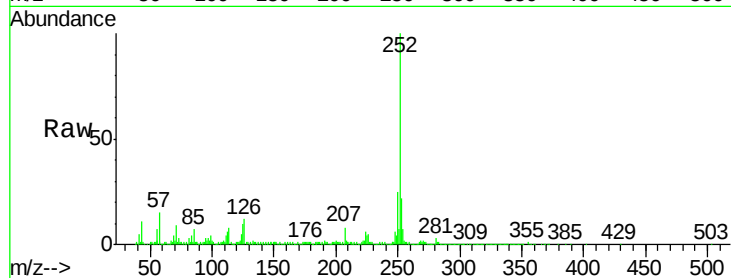
Tgt Ion:252 Resp: 897124

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

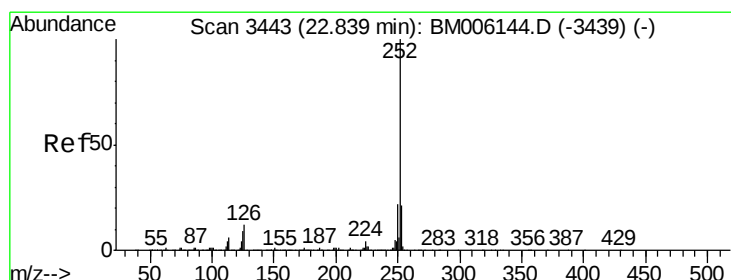
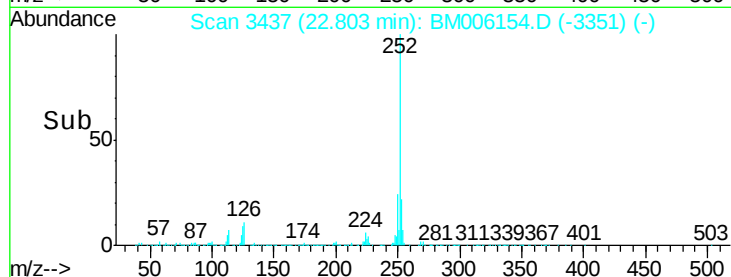
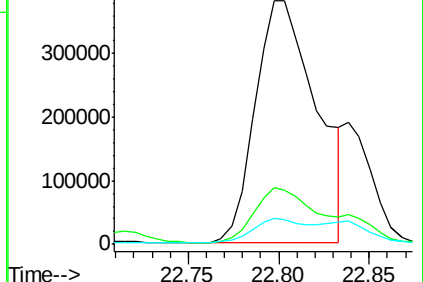
125 10.1 7.8 11.6



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: 17.73 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.04 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

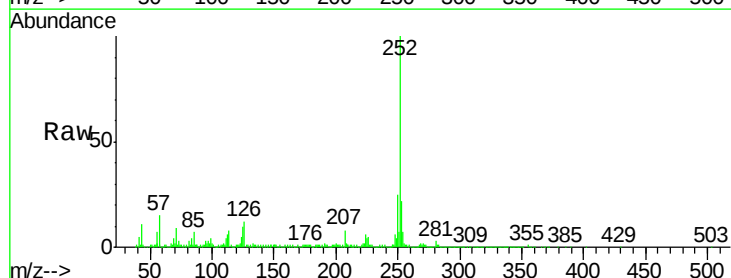
Tgt Ion:252 Resp: 897124

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

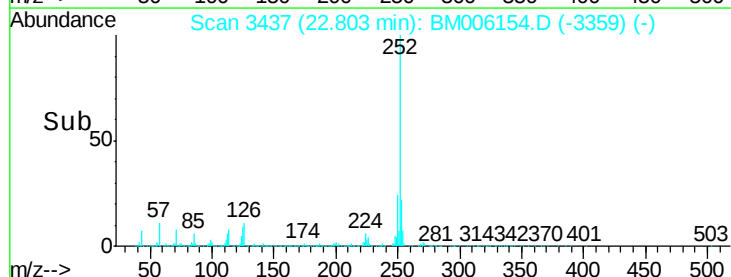
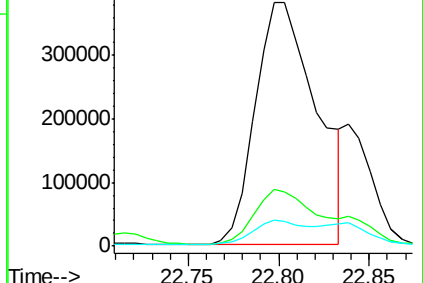
125 10.1 8.1 12.1

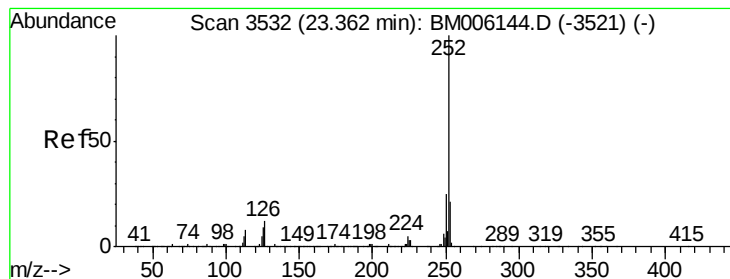


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 9.27 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

Instrument :

BNA_M

ClientSampleId :

D9YC3

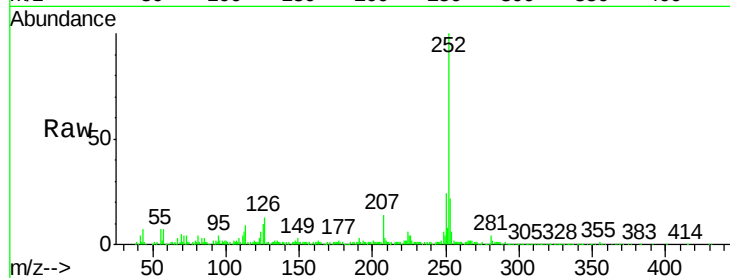
Tgt Ion:252 Resp: 472273

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

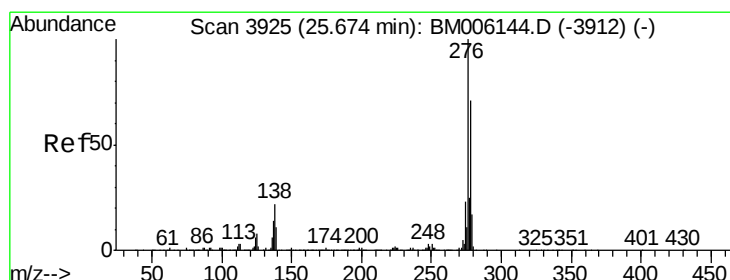
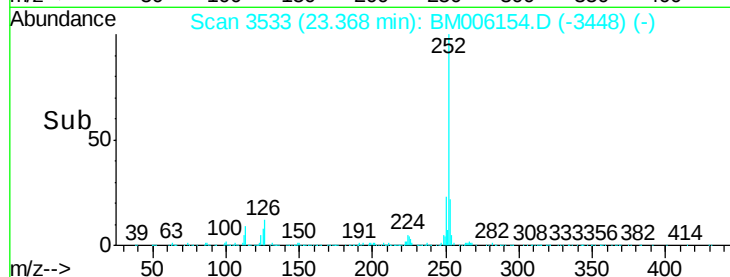
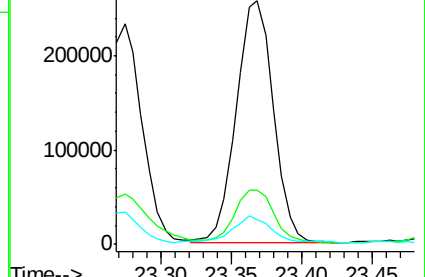
125 10.2 8.7 13.1



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: 7.12 ng/ul

RT: 25.68 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

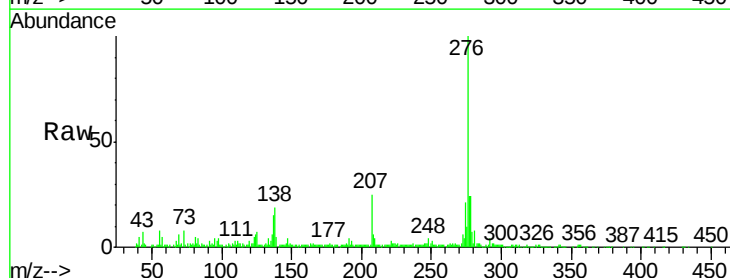
Tgt Ion:276 Resp: 377040

Ion Ratio Lower Upper

276 100

138 18.8 20.4 30.6#

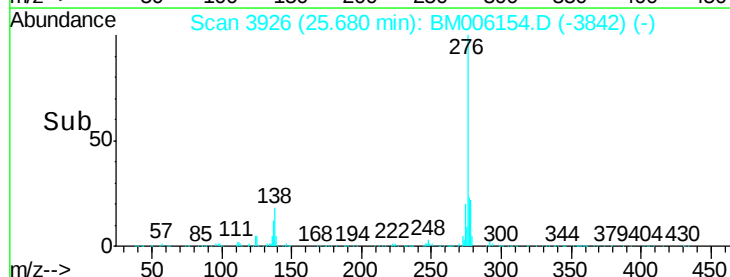
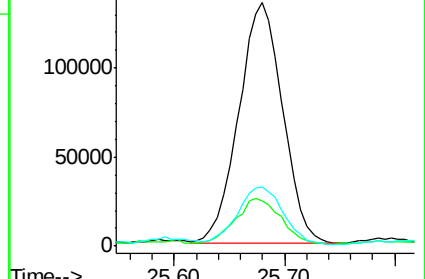
277 24.5 20.6 30.8

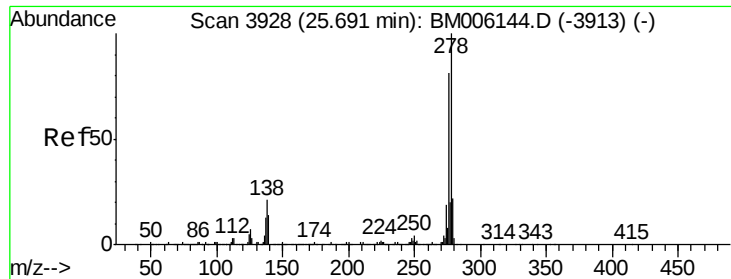


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 2.47 ng/ul

RT: 25.69 min Scan# 3927

Delta R.T. -0.01 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

Instrument :

BNA_M

ClientSampleId :

D9YC3

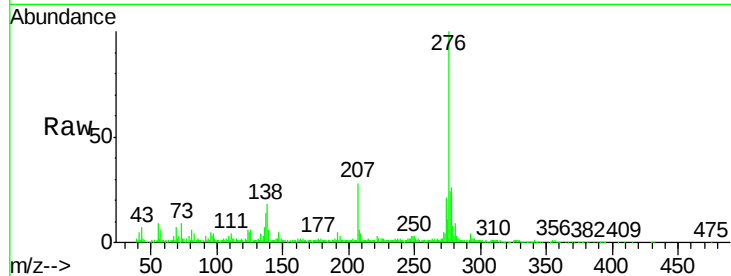
Tgt Ion:278 Resp: 108042

Ion Ratio Lower Upper

278 100

139 21.7 13.0 19.4#

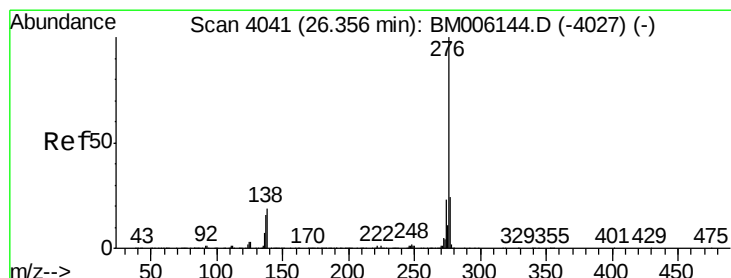
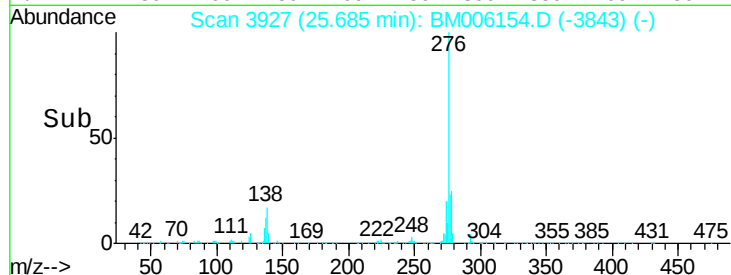
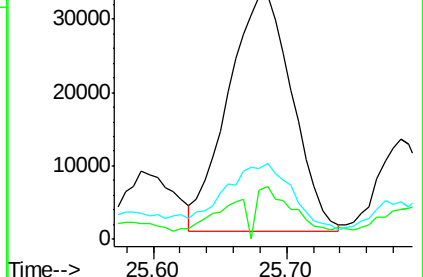
279 31.2 18.8 28.2#



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: 8.12 ng/ul

RT: 26.36 min Scan# 4041

Delta R.T. 0.00 min

Lab File: BM006154.D

Acq: 30 Jun 2016 11:22

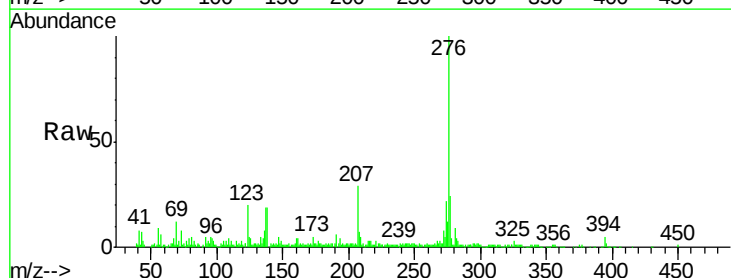
Tgt Ion:276 Resp: 360108

Ion Ratio Lower Upper

276 100

138 18.9 16.6 25.0

277 24.0 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

