

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006004.D
 Acq On : 25 Jun 2016 16:50
 Operator : UM/SJ
 Sample : H3669-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y63

Quant Time: Jun 26 04:41:42 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	197350	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1076074	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	780113	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	2082631	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2680561	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	2948512	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	9870	2.23	ng/uL	0.00
3) Phenol-d5	6.83	99	417044	20.09	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	278983	24.15	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	315669	21.83	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	338513	19.32	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	186615	22.78	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	213428	23.41	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	374324	21.41	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	572000	30.15	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1591582	23.83	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1829648	23.62	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	338279	23.74	ng/ul	0.00
21) Fluorene-d10	15.30	176	1365372	23.94	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	268075	23.19	ng/ul	0.00
26) Anthracene-d10	17.15	188	2302787	24.07	ng/ul	0.00
30) Pyrene-d10	19.45	212	2828952	24.09	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	3221503	24.20	ng/ul	0.00

Target Compounds

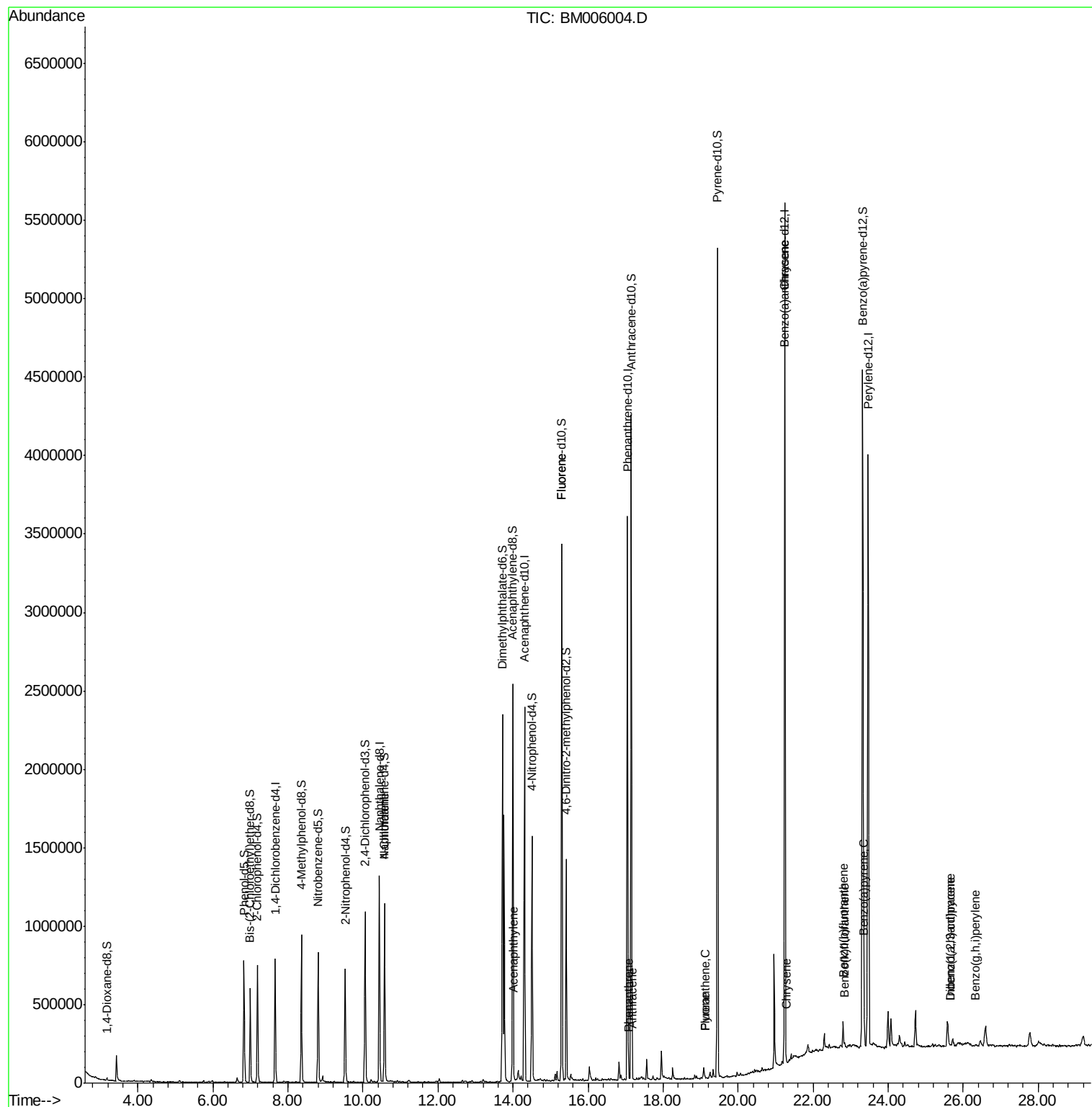
						Qvalue
11) Naphthalene	10.57	128	475	0.01	ng/ul#	1
18) Acenaphthylene	14.02	152	946	0.01	ng/ul#	61
22) Fluorene	15.30	166	2731	0.04	ng/ul#	6
25) Phenanthrene	17.09	178	2857	0.03	ng/ul#	91
27) Anthracene	17.19	178	1172	0.01	ng/ul#	61
28) Fluoranthene	19.11	202	8729	0.06	ng/ul#	90
31) Pyrene	19.11	202	8729	0.06	ng/ul	96
32) Benzo(a)anthracene	21.23	228	16947	0.11	ng/ul#	90
33) Chrysene	21.28	228	9841	0.07	ng/ul#	91
35) Benzo(b)fluoranthene	22.79	252	16310	0.10	ng/ul#	87
36) Benzo(k)fluoranthene	22.84	252	3897	0.02	ng/ul#	84
38) Benzo(a)pyrene	23.36	252	9452	0.06	ng/ul#	71
39) Indeno(1,2,3-cd)pyrene	25.67	276	6938	0.04	ng/ul	95
40) Dibenzo(a,h)anthracene	25.67	278	2117	0.01	ng/ul#	68
41) Benzo(g,h,i)perylene	26.33	276	4483	0.03	ng/ul#	88

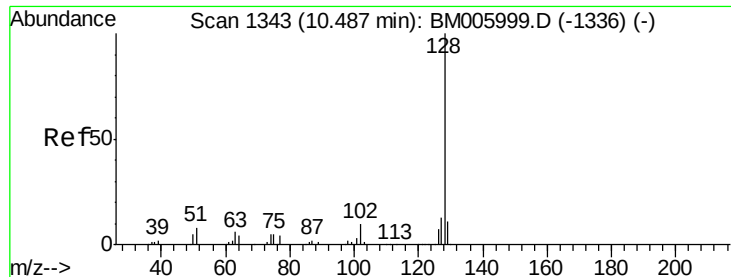
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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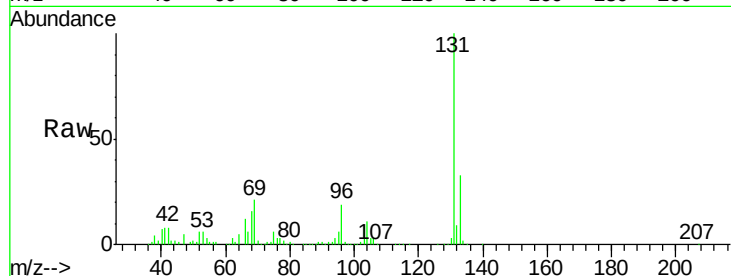




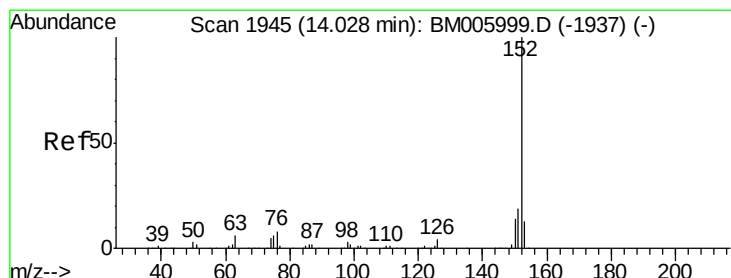
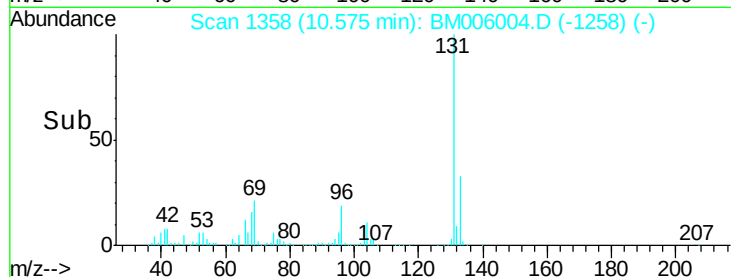
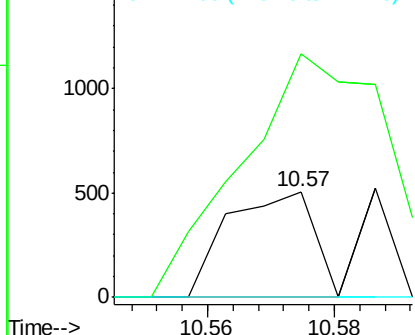
#11
Naphthalene
Concen: 0.01 ng/ul
RT: 10.57 min Scan# 1358
Delta R.T. 0.09 min
Lab File: BM006004.D
Acq: 25 Jun 2016 16:50

Instrument :
BNA_M
ClientSampleId :
D9Y63

Tgt Ion:128 Resp: 475
Ion Ratio Lower Upper
128 100
129 230.6 8.6 13.0#
127 0.0 10.2 15.4#

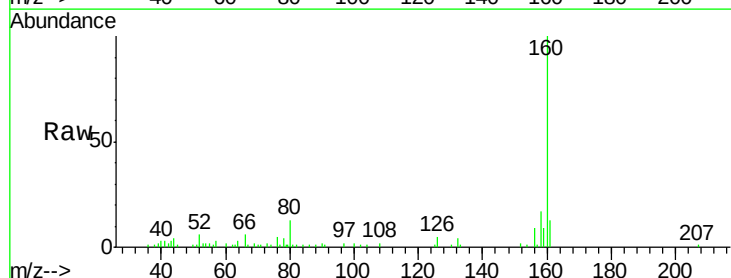


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

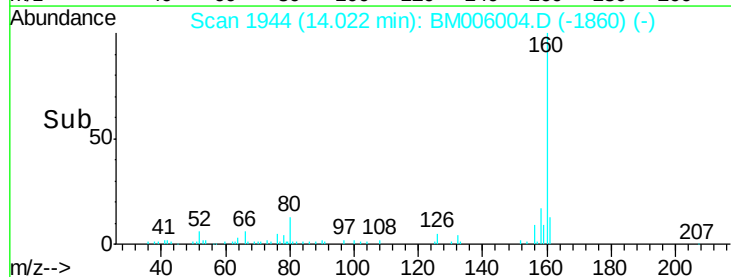
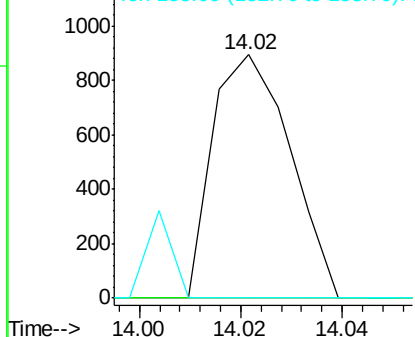


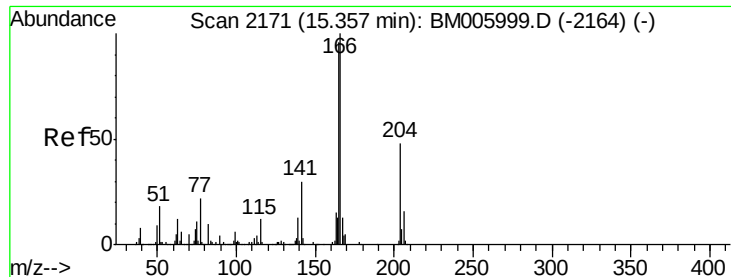
#18
Acenaphthylene
Concen: 0.01 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM006004.D
Acq: 25 Jun 2016 16:50

Tgt Ion:152 Resp: 946
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





#22

Fluorene

Concen: 0.04 ng/ul

RT: 15.30 min Scan# 2162

Delta R.T. -0.05 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

Instrument :

BNA_M

ClientSampleId :

D9Y63

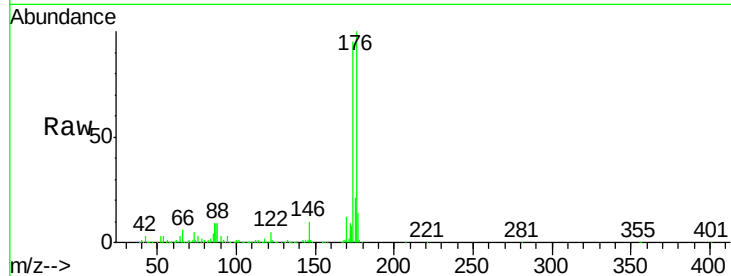
Tgt Ion:166 Resp: 2731

Ion Ratio Lower Upper

166 100

165 0.0 76.8 115.2#

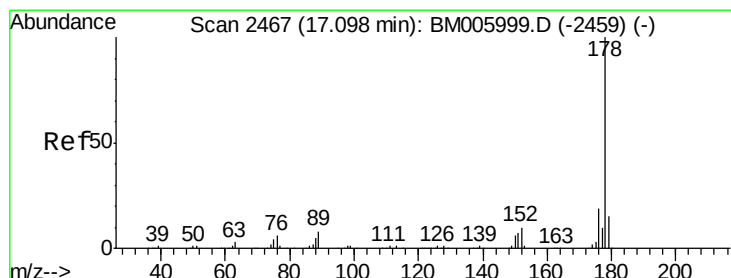
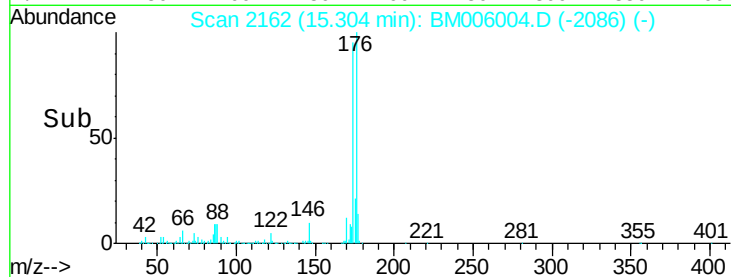
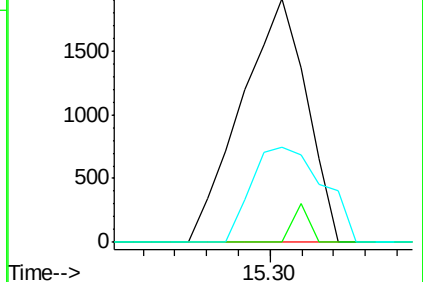
167 39.3 10.8 16.2#



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: 0.03 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

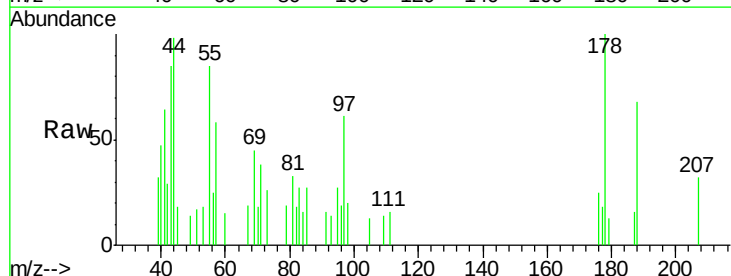
Tgt Ion:178 Resp: 2857

Ion Ratio Lower Upper

178 100

179 13.3 12.1 18.1

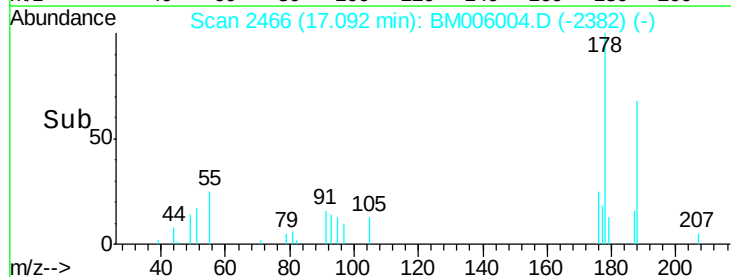
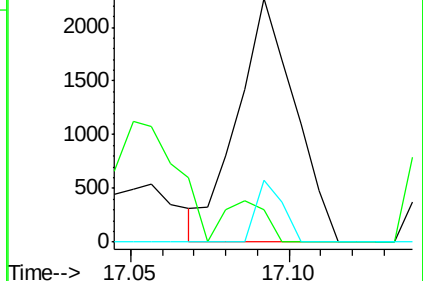
176 25.3 15.4 23.0#

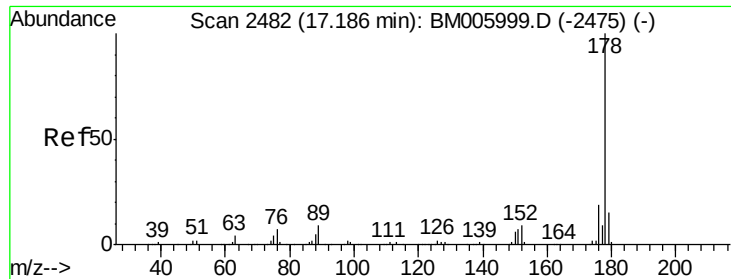


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

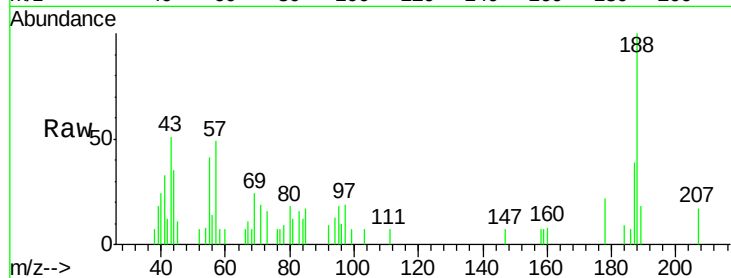




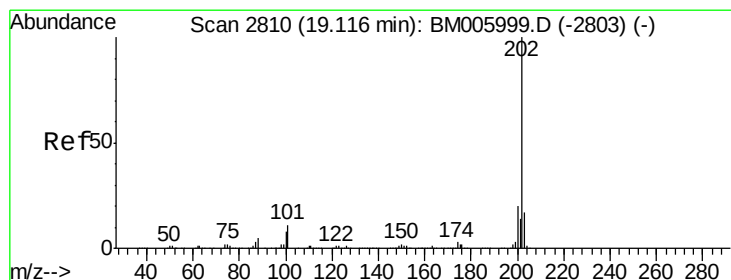
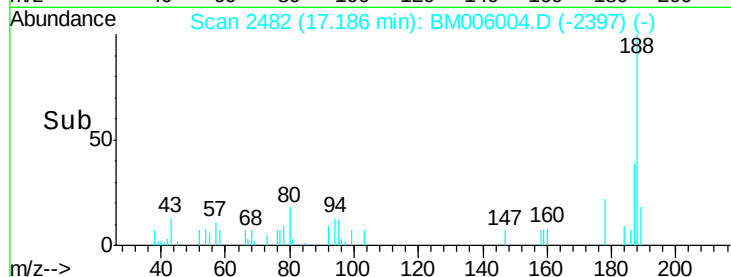
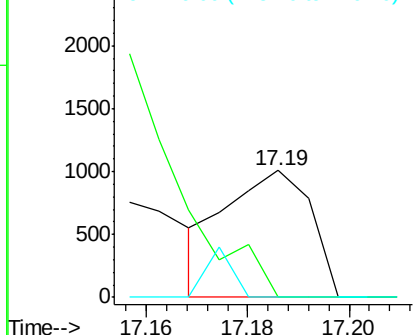
#27
 Anthracene
 Concen: 0.01 ng/ul
 RT: 17.19 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BM006004.D
 Acq: 25 Jun 2016 16:50

Instrument :
 BNA_M
 ClientSampleId :
 D9Y63

Tgt Ion:178 Resp: 1172
 Ion Ratio Lower Upper
 178 100
 179 0.0 12.2 18.4#
 176 0.0 14.9 22.3#

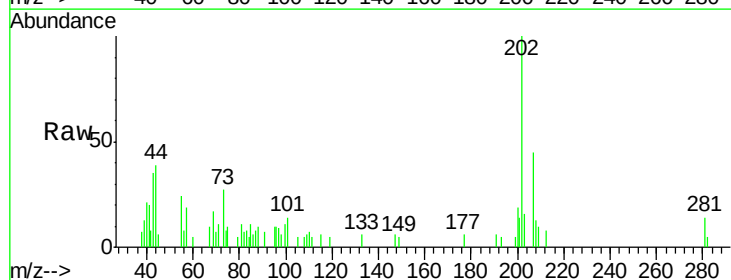


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

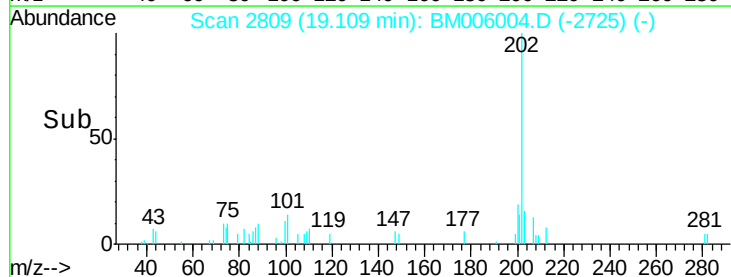
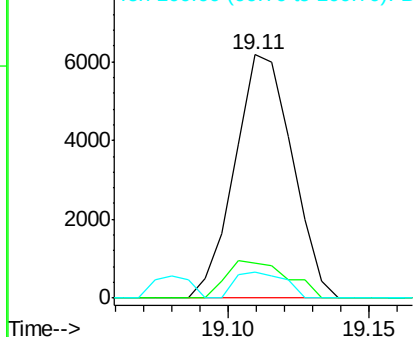


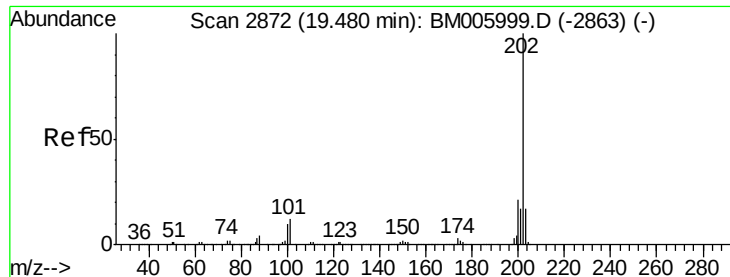
#28
 Fluoranthene
 Concen: 0.06 ng/ul
 RT: 19.11 min Scan# 2809
 Delta R.T. -0.01 min
 Lab File: BM006004.D
 Acq: 25 Jun 2016 16:50

Tgt Ion:202 Resp: 8729
 Ion Ratio Lower Upper
 202 100
 101 14.4 8.2 12.4#
 100 10.9 6.3 9.5#



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: 0.06 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.37 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

Instrument :

BNA_M

ClientSampleId :

D9Y63

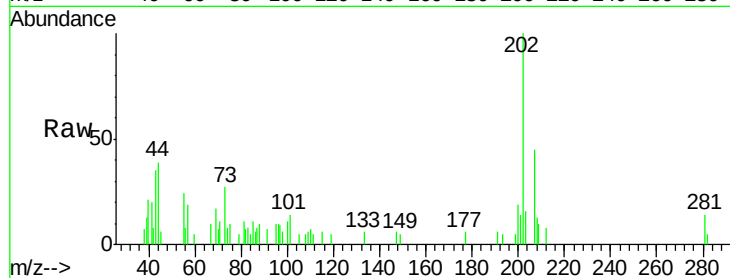
Tgt Ion:202 Resp: 8729

Ion Ratio Lower Upper

202 100

101 14.4 9.8 14.6

100 10.9 8.2 12.2

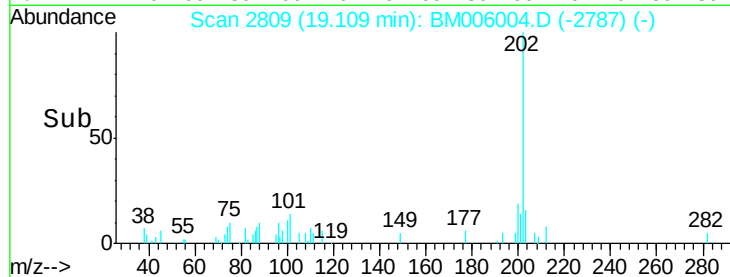


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

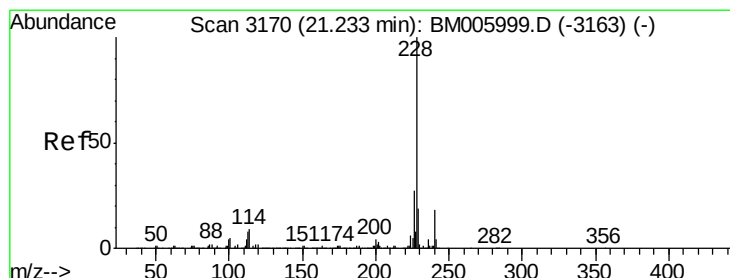
Ion 100.00 (99.70 to 100.70): E

Time-->



Abundance

Time-->



#32

Benzo(a)anthracene

Concen: 0.11 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

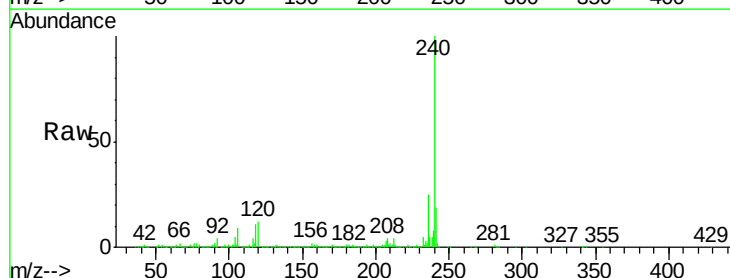
Tgt Ion:228 Resp: 16947

Ion Ratio Lower Upper

228 100

229 23.7 15.8 23.6#

226 32.3 21.5 32.3#

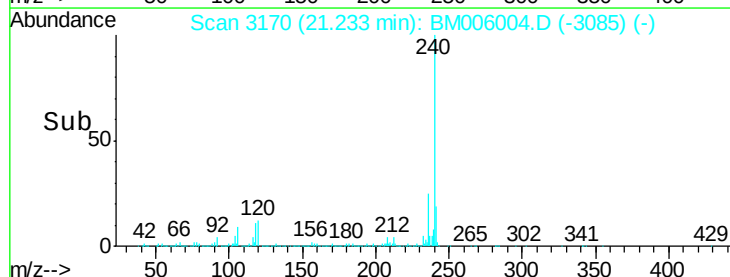


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

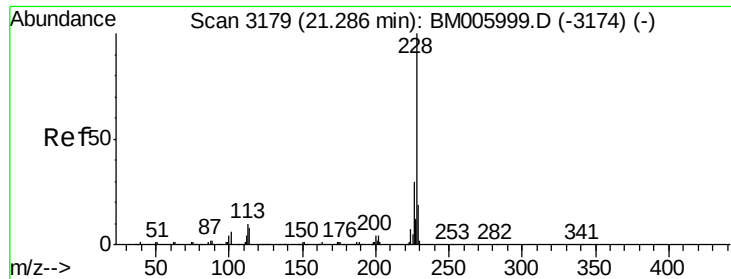
Ion 226.00 (225.70 to 226.70): E

Time-->



Abundance

Time-->



#33

Chrysene

Concen: 0.07 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

Instrument :

BNA_M

ClientSampleId :

D9Y63

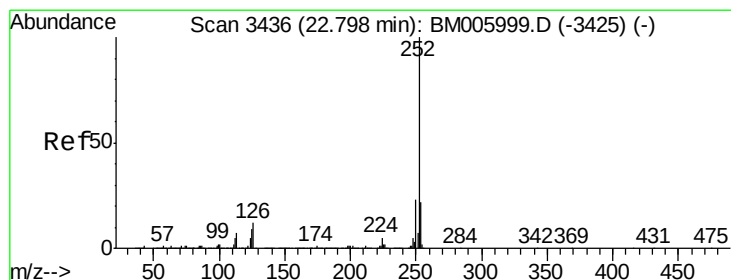
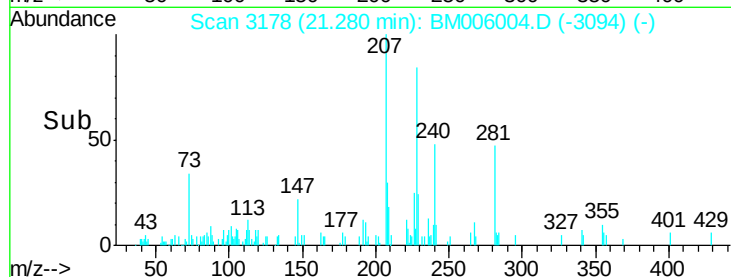
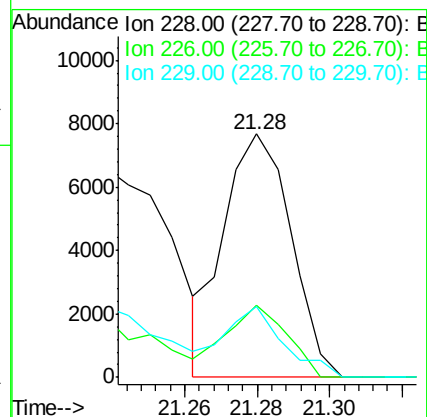
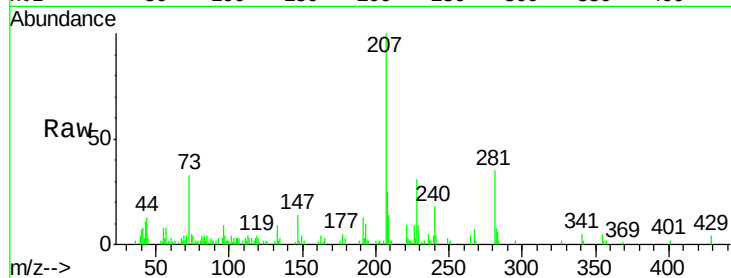
Tgt Ion:228 Resp: 9841

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 29.1 15.4 23.2#



#35

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 22.79 min Scan# 3435

Delta R.T. -0.01 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

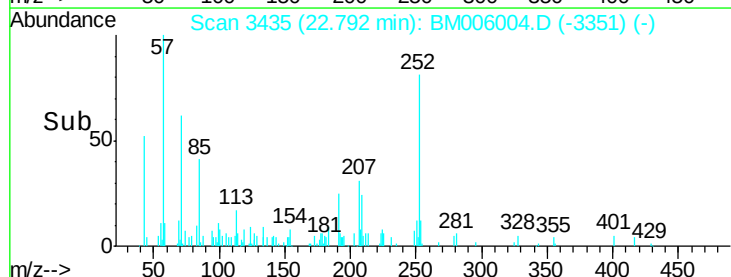
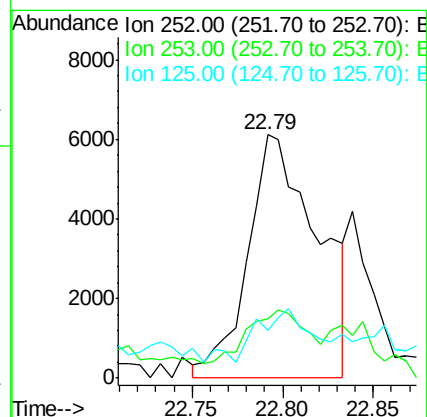
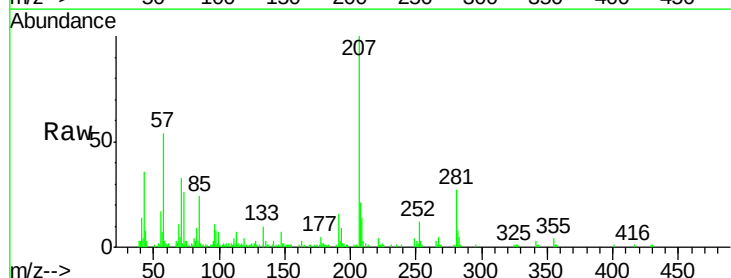
Tgt Ion:252 Resp: 16310

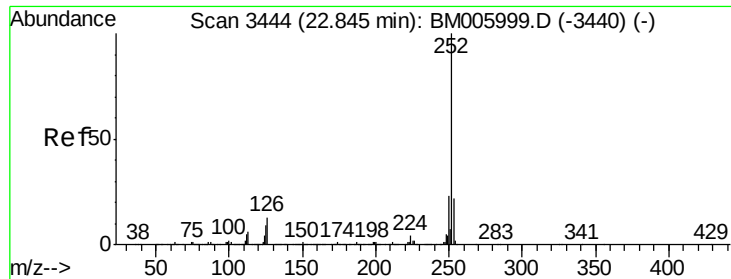
Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

125 19.7 6.8 10.2#

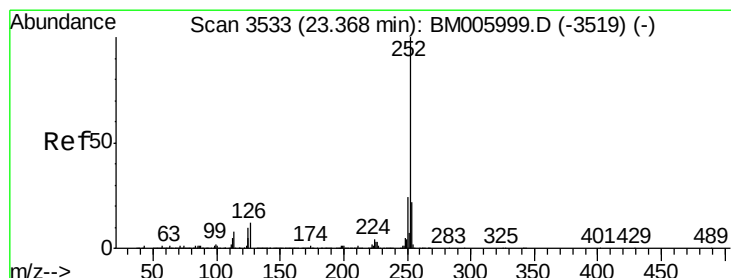
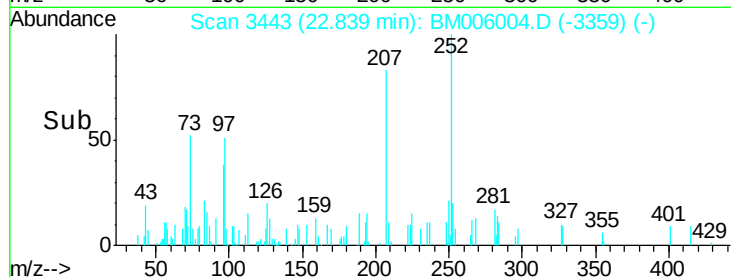
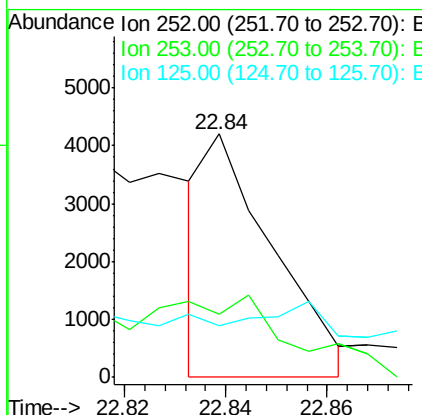
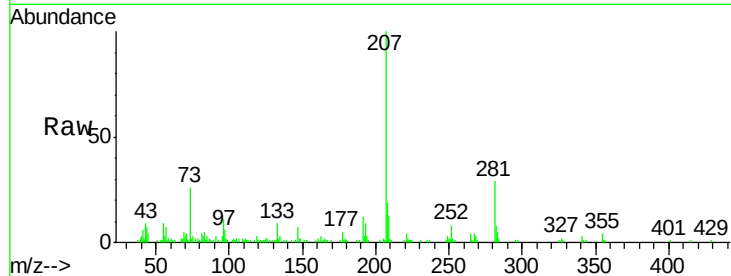




#36
Benzo(k)fluoranthene
Concen: 0.02 ng/ul
RT: 22.84 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BM006004.D
Acq: 25 Jun 2016 16:50

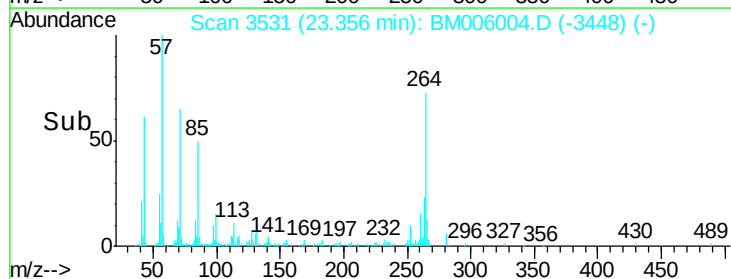
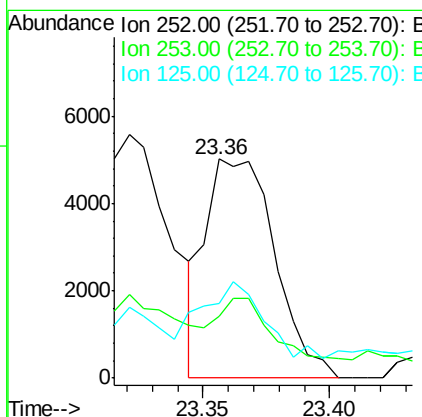
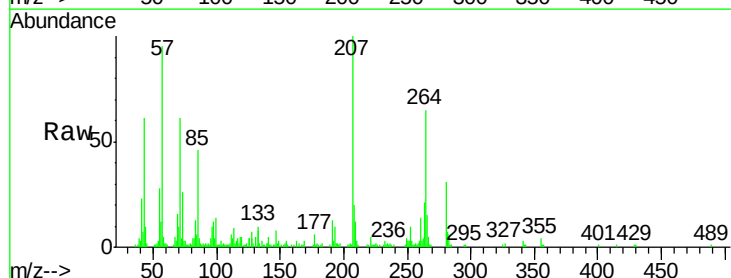
Instrument :
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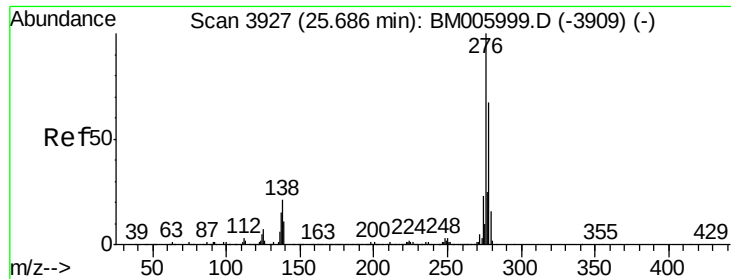
Tgt Ion:252 Resp: 3897
Ion Ratio Lower Upper
252 100
253 25.8 17.3 25.9
125 21.3 7.0 10.4#



#38
Benzo(a)pyrene
Concen: 0.06 ng/ul
RT: 23.36 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BM006004.D
Acq: 25 Jun 2016 16:50

Tgt Ion:252 Resp: 9452
Ion Ratio Lower Upper
252 100
253 28.3 17.6 26.4#
125 34.0 7.8 11.6#





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

Instrument :

BNA_M

ClientSampleId :

D9Y63

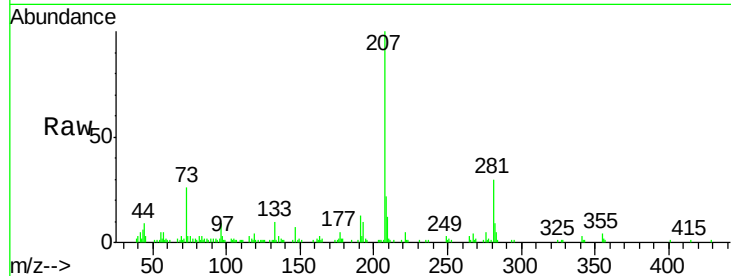
Tgt Ion:276 Resp: 6938

Ion Ratio Lower Upper

276 100

138 23.8 16.6 25.0

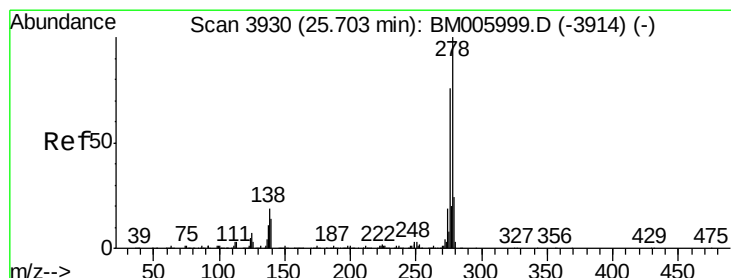
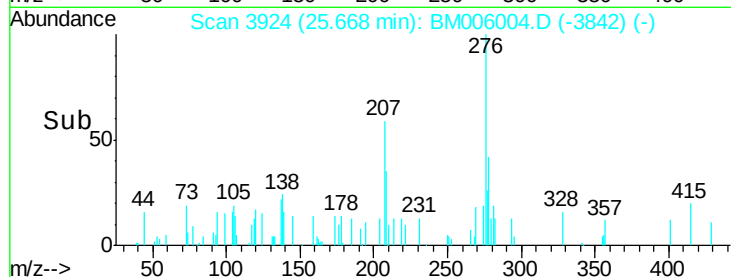
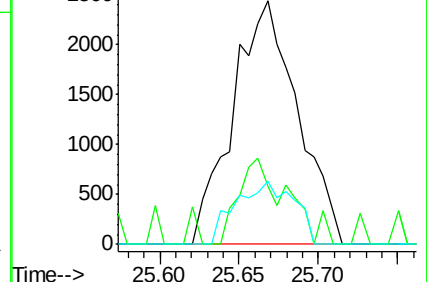
277 26.2 19.6 29.4



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: 0.01 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.04 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

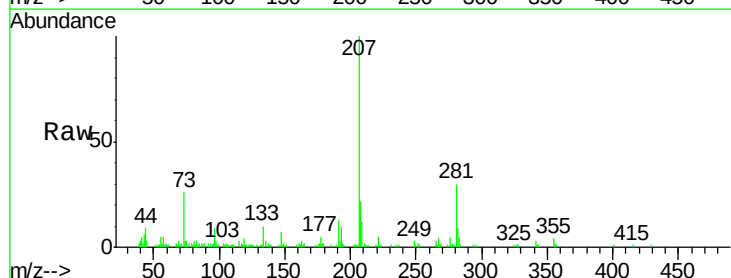
Tgt Ion:278 Resp: 2117

Ion Ratio Lower Upper

278 100

139 37.6 11.4 17.2#

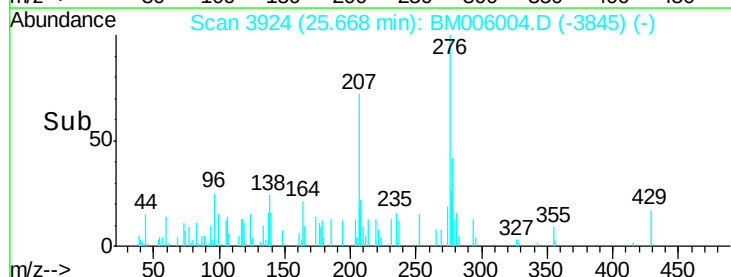
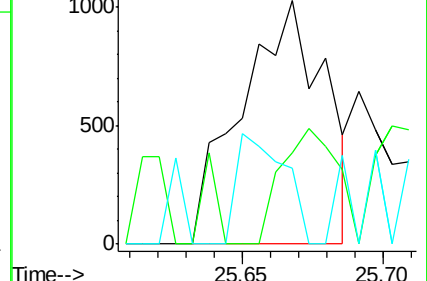
279 31.4 18.8 28.2#

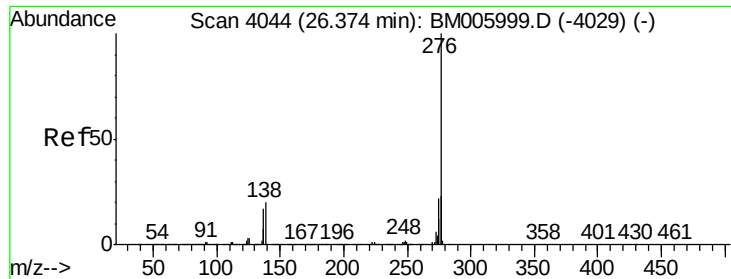


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.03 ng/ul

RT: 26.33 min Scan# 4037

Delta R.T. -0.04 min

Lab File: BM006004.D

Acq: 25 Jun 2016 16:50

Instrument :

BNA_M

ClientSampleId :

D9Y63

Tgt Ion: 276 Resp: 4483

Ion Ratio Lower Upper

276 100

138 17.1 15.9 23.9

277 32.5 19.2 28.8#

