

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006073.D
 Acq On : 27 Jun 2016 17:09
 Operator : UM/SJ
 Sample : H3669-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y67

Quant Time: Jun 28 02:13:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	206966	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1151114	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	787368	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1928292	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	2074158	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1920964	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	4421	0.95	ng/uL	0.00
3) Phenol-d5	6.83	99	221958	10.19	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	132261	10.92	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	166532	10.98	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	164478	8.95	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	89270	10.19	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	93433	9.58	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	201400	10.77	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	174986	8.62	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	707950	10.50	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	895368	11.45	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	105593	7.34	ng/ul	-0.02
21) Fluorene-d10	15.30	176	651091	11.31	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	52089	4.87	ng/ul	-0.01
26) Anthracene-d10	17.16	188	1040678	11.75	ng/ul	0.00
30) Pyrene-d10	19.46	212	1214289	13.36	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	941656	10.86	ng/ul	-0.01

Target Compounds

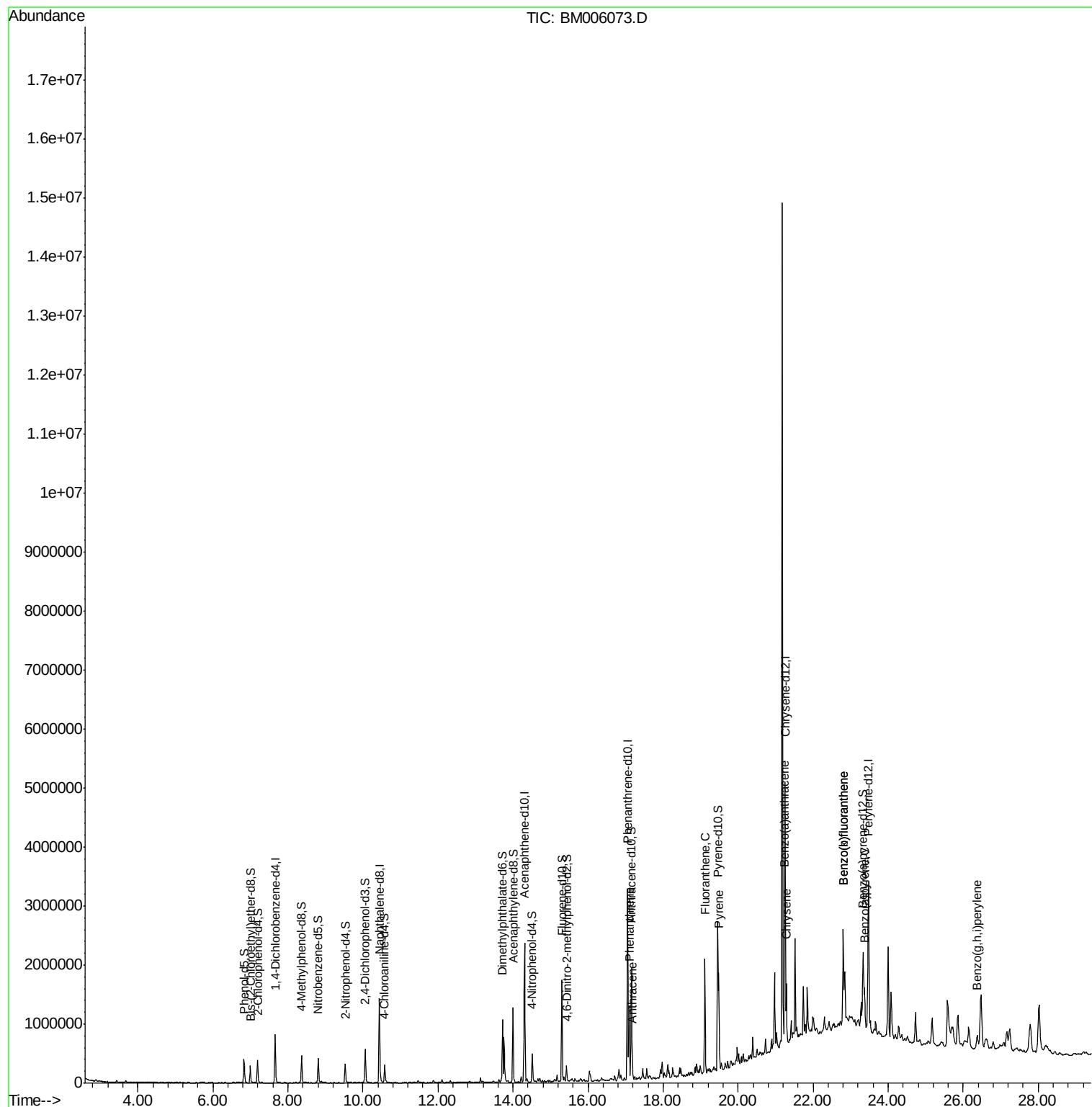
						Qvalue
25) Phenanthrene	17.10	178	710017	6.85	ng/ul	99
27) Anthracene	17.19	178	118000	1.10	ng/ul	99
28) Fluoranthene	19.12	202	1216873	9.16	ng/ul	99
31) Pyrene	19.49	202	970129	8.17	ng/ul	96
32) Benzo(a)anthracene	21.23	228	494092	4.01	ng/ul	97
33) Chrysene	21.29	228	561433	4.99	ng/ul	98
35) Benzo(b)fluoranthene	22.81	252	696251	6.24	ng/ul#	95
36) Benzo(k)fluoranthene	22.81	252	696251	6.71	ng/ul	96
38) Benzo(a)pyrene	23.37	252	411733	3.85	ng/ul	99
41) Benzo(g,h,i)perylene	26.37	276	284851	2.58	ng/ul	97

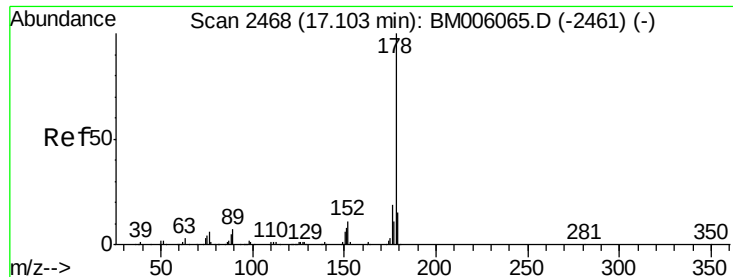
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 6.85 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BM006073.D

Acq: 27 Jun 2016 17:09

Instrument :

BNA_M

ClientSampleId :

D9Y67

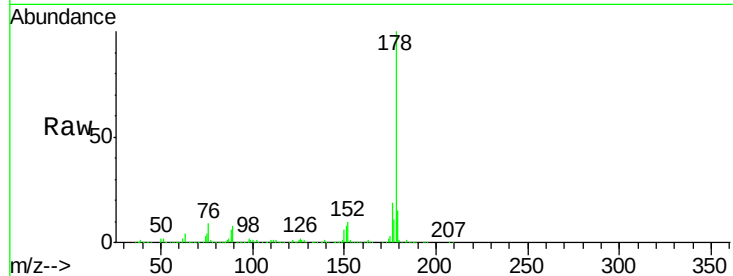
Tgt Ion:178 Resp: 710017

Ion Ratio Lower Upper

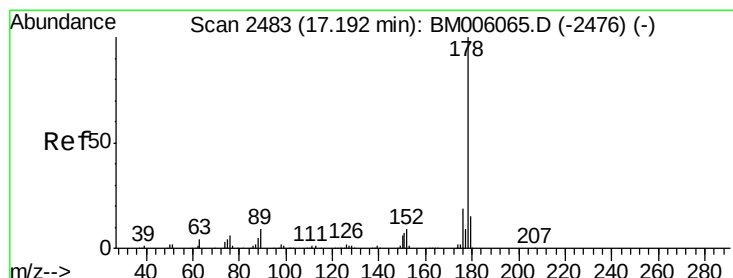
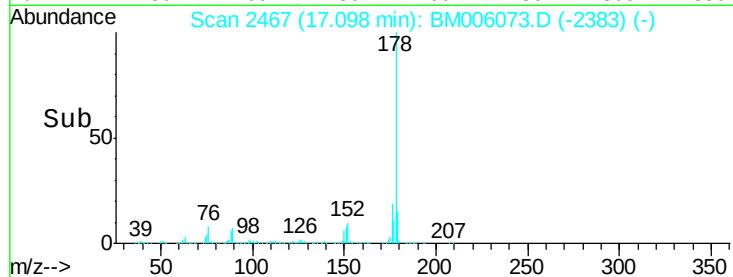
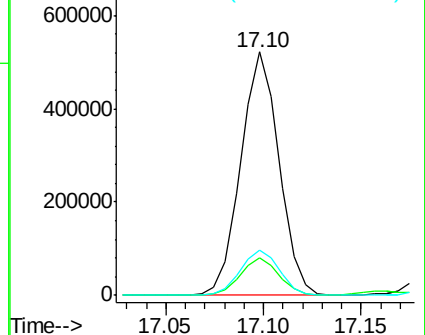
178 100

179 15.3 12.2 18.2

176 18.5 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: 1.10 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BM006073.D

Acq: 27 Jun 2016 17:09

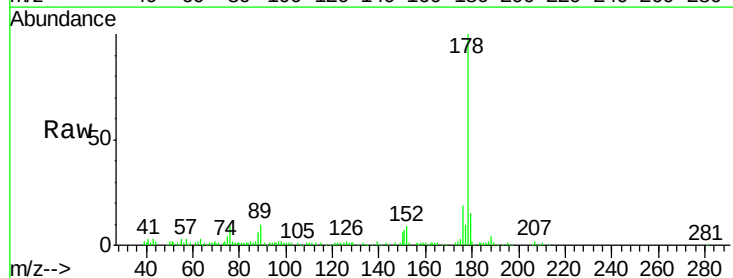
Tgt Ion:178 Resp: 118000

Ion Ratio Lower Upper

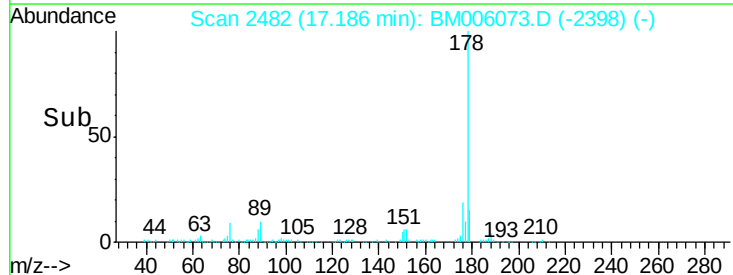
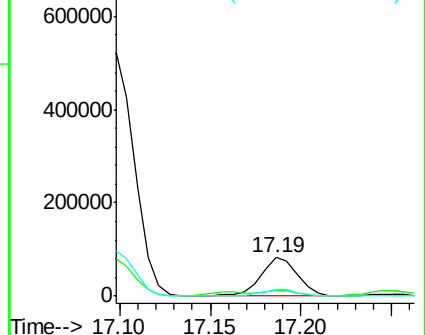
178 100

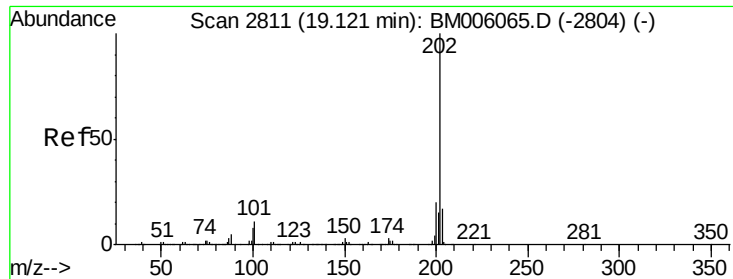
179 15.3 12.3 18.5

176 18.8 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

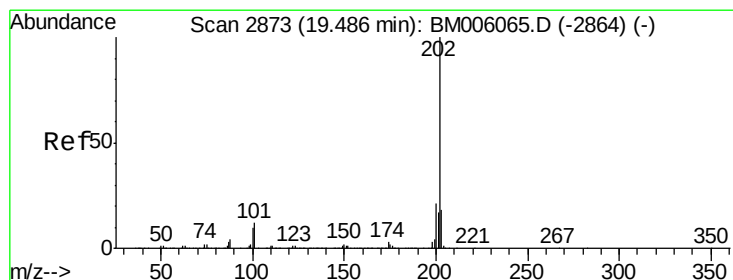
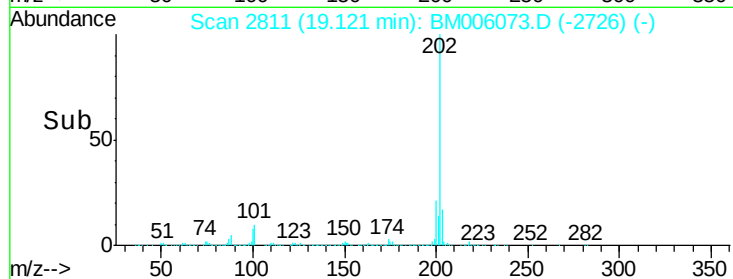
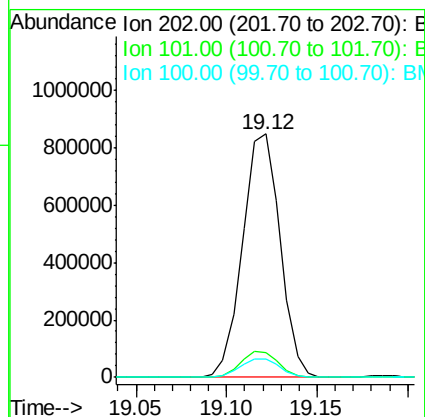
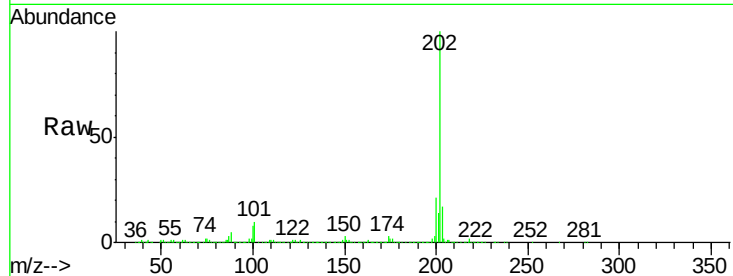




#28
Fluoranthene
Concen: 9.16 ng/ul
RT: 19.12 min Scan# 2811
Delta R.T. 0.00 min
Lab File: BM006073.D
Acq: 27 Jun 2016 17:09

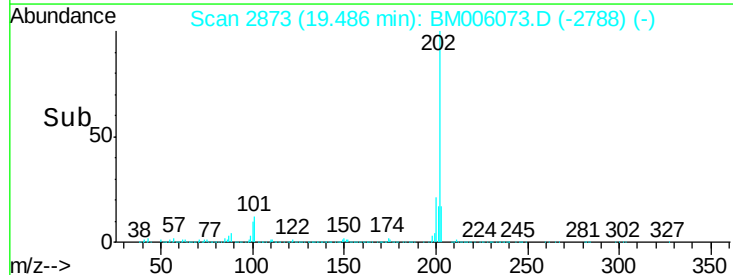
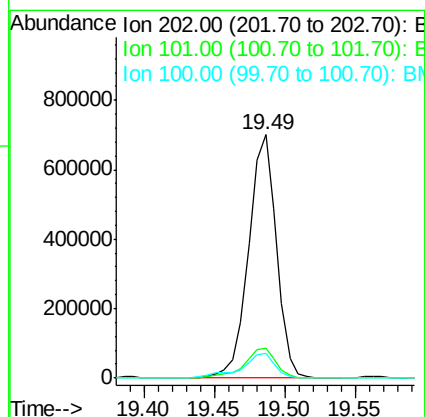
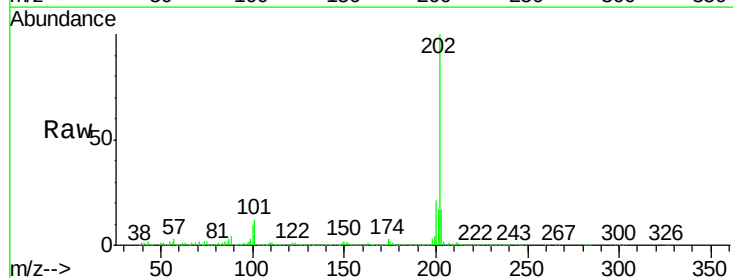
Instrument :
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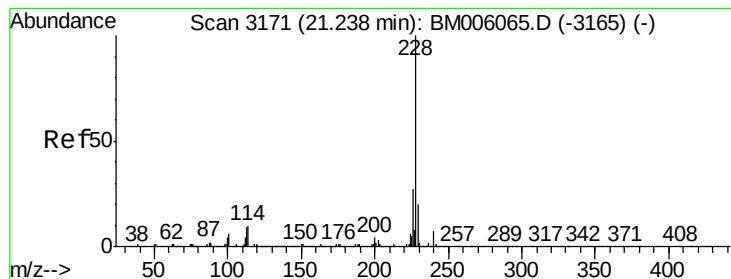
Tgt Ion:202 Resp: 1216873
Ion Ratio Lower Upper
202 100
101 10.3 8.5 12.7
100 7.6 6.5 9.7



#31
Pyrene
Concen: 8.17 ng/ul
RT: 19.49 min Scan# 2873
Delta R.T. 0.00 min
Lab File: BM006073.D
Acq: 27 Jun 2016 17:09

Tgt Ion:202 Resp: 970129
Ion Ratio Lower Upper
202 100
101 12.1 11.0 16.4
100 10.0 8.9 13.3





#32

Benzo(a)anthracene

Concen: 4.01 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BM006073.D

Acq: 27 Jun 2016 17:09

Instrument :

BNA_M

ClientSampleId :

D9Y67

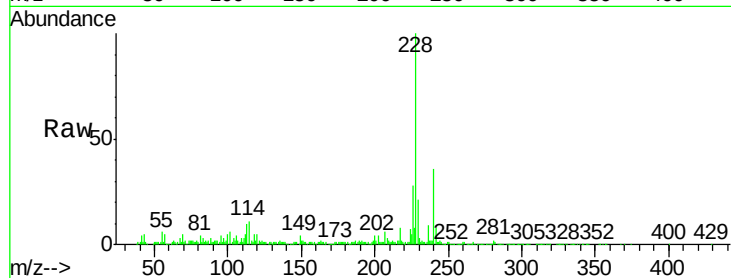
Tgt Ion:228 Resp: 494092

Ion Ratio Lower Upper

228 100

229 21.4 15.6 23.4

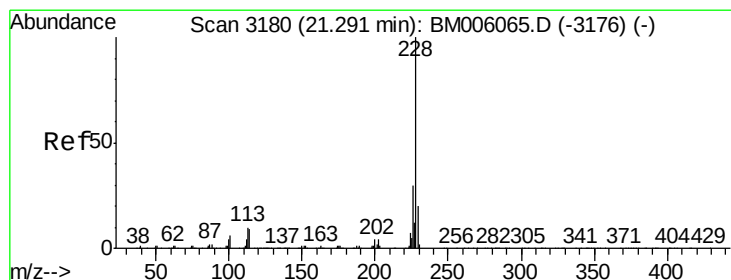
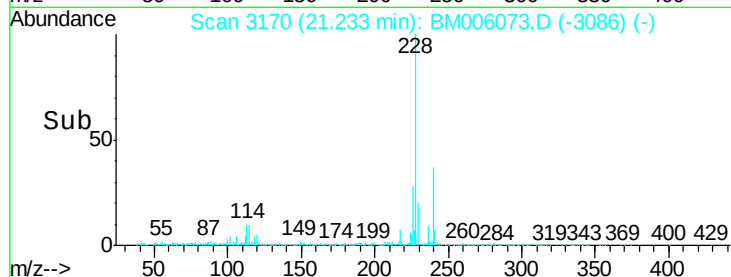
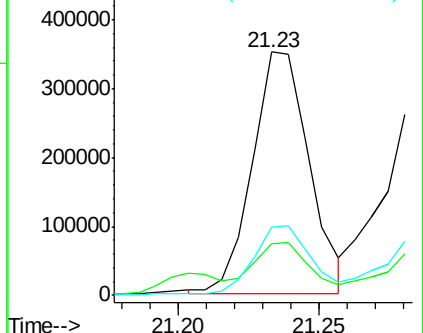
226 28.3 21.6 32.4



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: 4.99 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BM006073.D

Acq: 27 Jun 2016 17:09

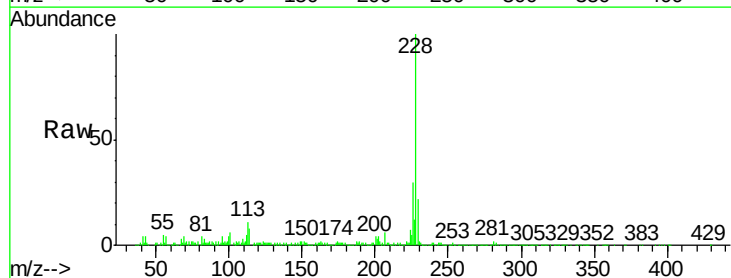
Tgt Ion:228 Resp: 561433

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

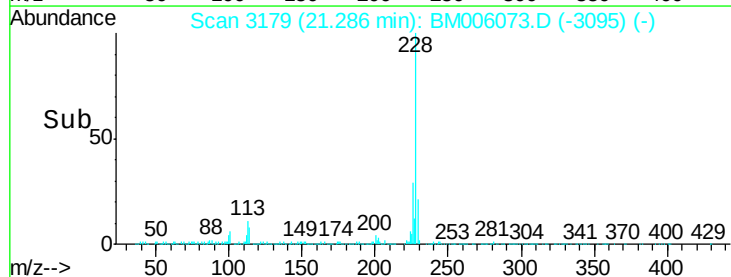
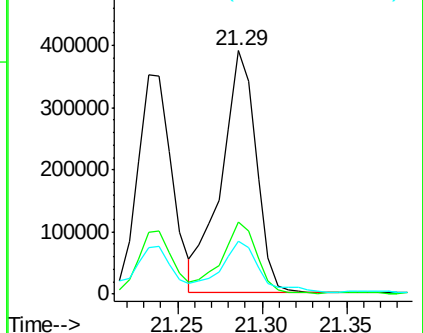
229 21.9 15.8 23.6

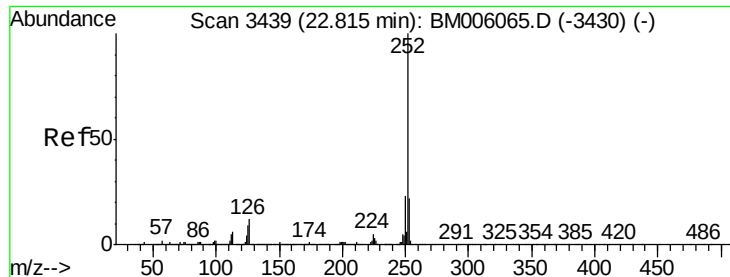


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 6.24 ng/ul

RT: 22.81 min Scan# 3438

Delta R.T. -0.01 min

Lab File: BM006073.D

Acq: 27 Jun 2016 17:09

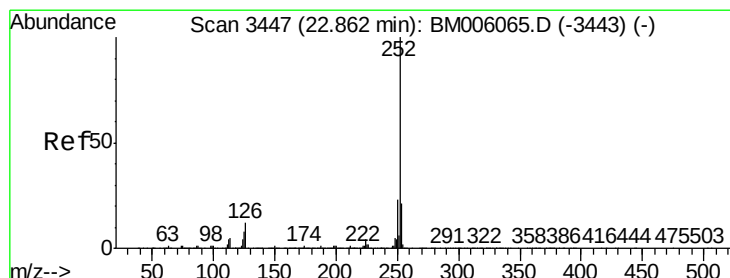
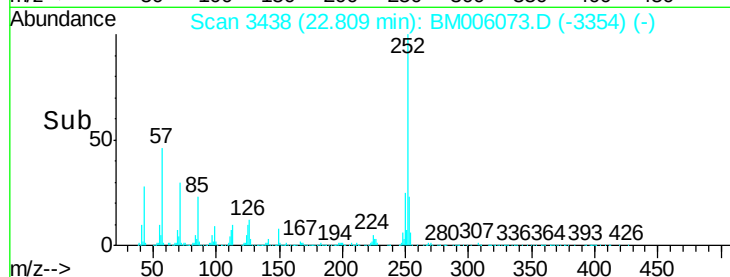
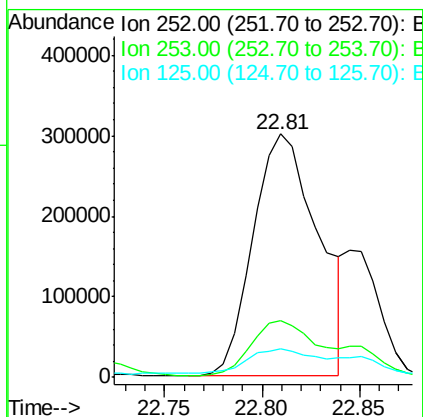
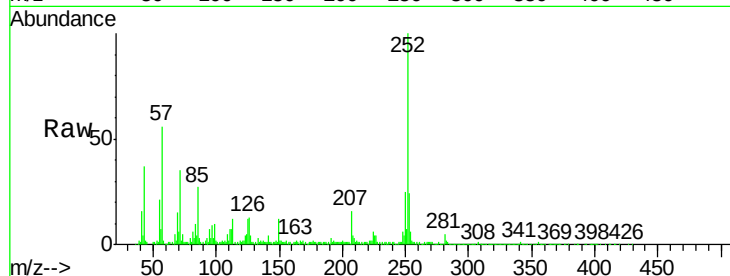
Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:	252	Resp:	696251
Ion Ratio		Lower	Upper
252	100		
253	23.5	17.2	25.8
125	11.8	7.8	11.6#



#36

Benzo(k)fluoranthene

Concen: 6.71 ng/ul

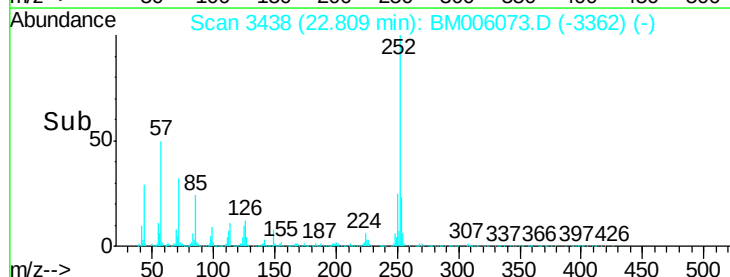
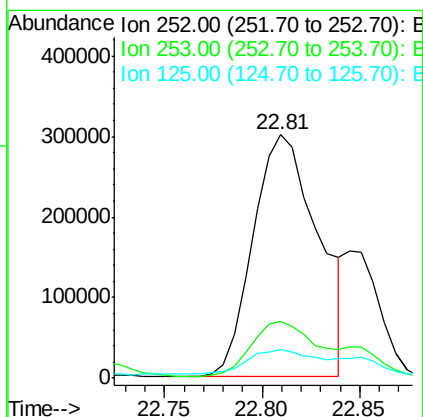
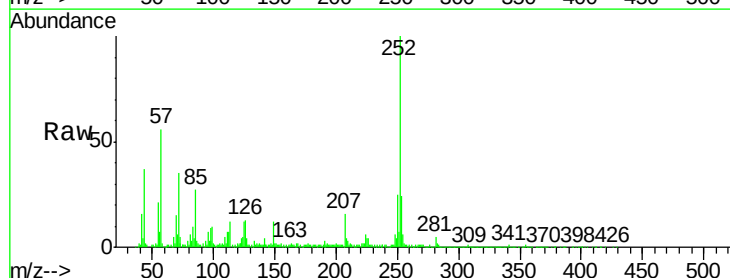
RT: 22.81 min Scan# 3438

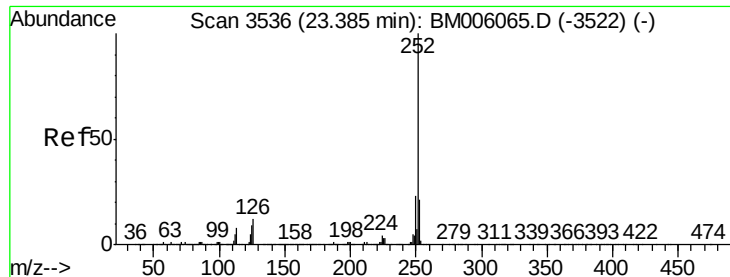
Delta R.T. -0.05 min

Lab File: BM006073.D

Acq: 27 Jun 2016 17:09

Tgt Ion:	252	Resp:	696251
Ion Ratio		Lower	Upper
252	100		
253	23.5	17.6	26.4
125	11.8	8.1	12.1





#38

Benzo(a)pyrene

Concen: 3.85 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BM006073.D

Acq: 27 Jun 2016 17:09

Instrument :

BNA_M

ClientSampleId :

D9Y67

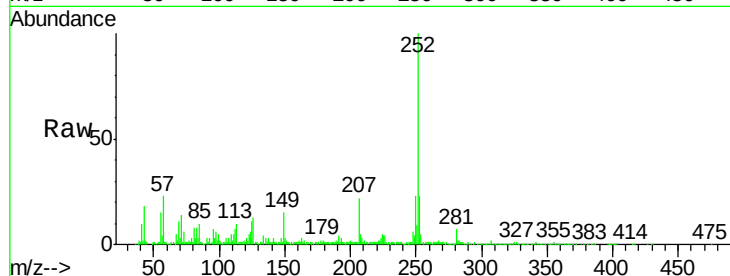
Tgt Ion:252 Resp: 411733

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

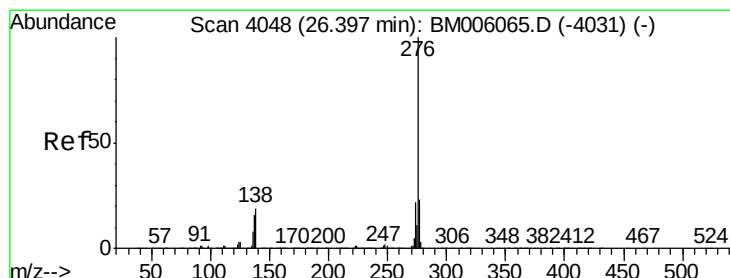
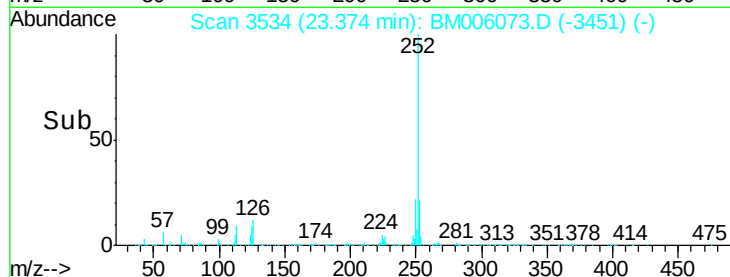
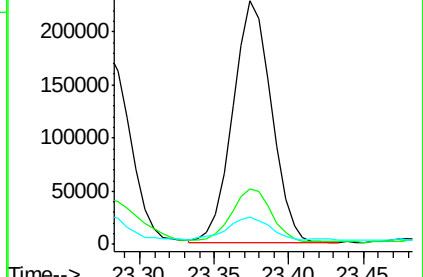
125 11.1 8.7 13.1



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



#41

Benzo(g,h,i)perylene

Concen: 2.58 ng/ul

RT: 26.37 min Scan# 4044

Delta R.T. -0.02 min

Lab File: BM006073.D

Acq: 27 Jun 2016 17:09

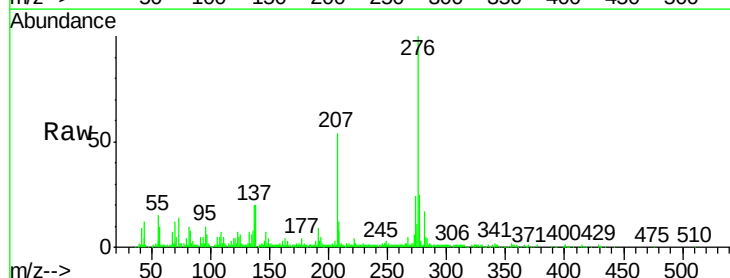
Tgt Ion:276 Resp: 284851

Ion Ratio Lower Upper

276 100

138 19.9 16.6 25.0

277 25.3 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

