

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006042.D
 Acq On : 26 Jun 2016 16:12
 Operator : UM/SJ
 Sample : H3669-22MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y73MSD

Quant Time: Jun 27 05:16:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	135527	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	717501	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	497354	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1349120	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1909995	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	2114907	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	4359	1.44	ng/uL	0.00
3) Phenol-d5	6.83	99	178047	12.49	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	106410	13.42	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	132857	13.38	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	118805	9.87	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	73404	13.44	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	78896	12.98	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	158464	13.59	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	157249	12.43	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	568301	13.35	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	721332	14.61	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	96043	10.57	ng/ul	0.00
21) Fluorene-d10	15.30	176	543938	14.96	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	58877	7.86	ng/ul	0.00
26) Anthracene-d10	17.15	188	926744	14.95	ng/ul	0.00
30) Pyrene-d10	19.45	212	1209357	14.45	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1423291	14.91	ng/ul	0.00

Target Compounds

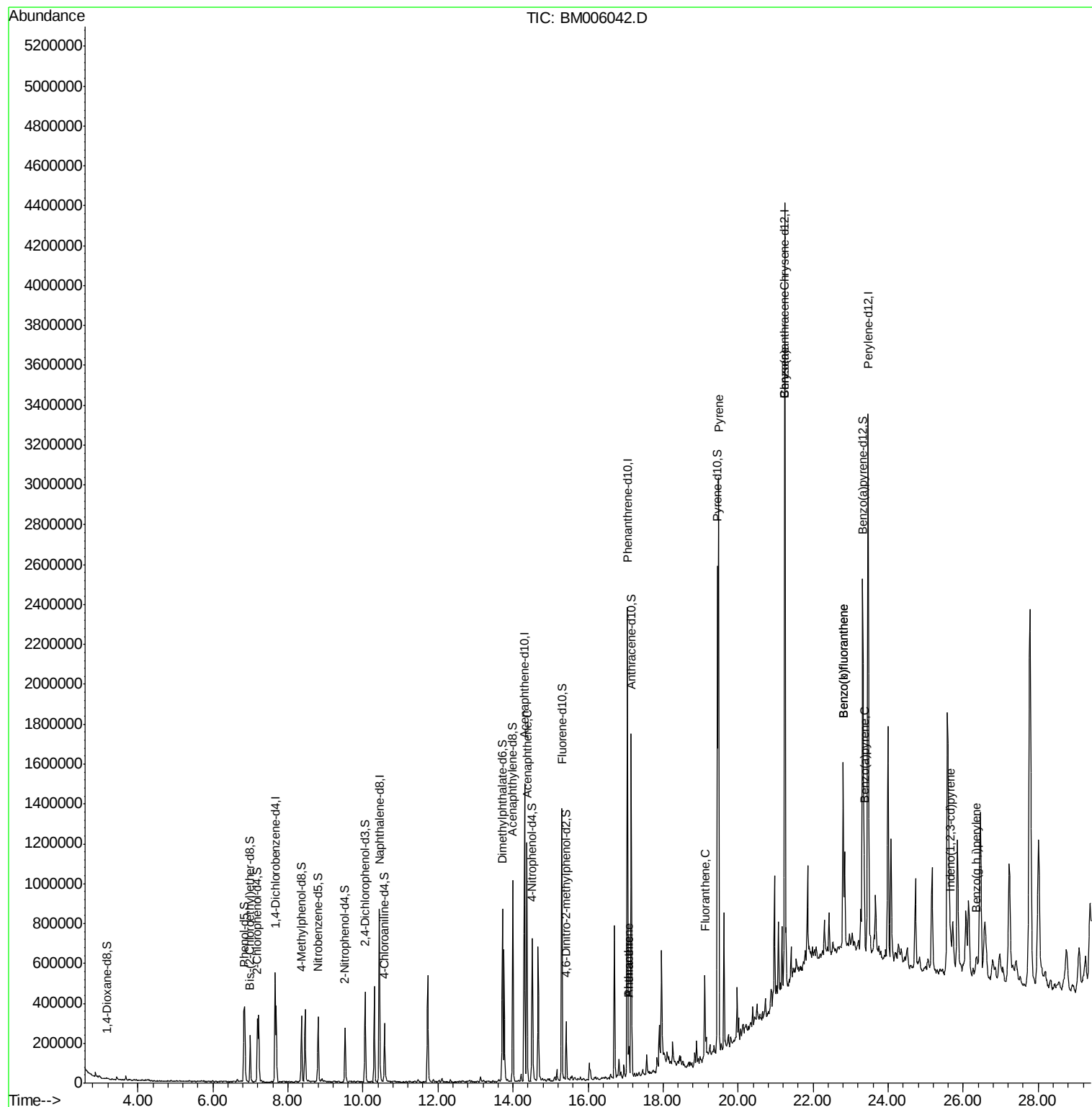
						Qvalue
19) Acenaphthene	14.37	153	477920	14.45	ng/ul	99
25) Phenanthrene	17.09	178	100007	1.38	ng/ul	99
27) Anthracene	17.09	178	100007	1.33	ng/ul	98
28) Fluoranthene	19.12	202	233553	2.51	ng/ul	99
31) Pyrene	19.48	202	1692760	15.48	ng/ul	99
32) Benzo(a)anthracene	21.23	228	150318	1.32	ng/ul	94
33) Chrysene	21.23	228	149902	1.45	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	301766	2.46	ng/ul#	93
36) Benzo(k)fluoranthene	22.80	252	301766	2.64	ng/ul#	93
38) Benzo(a)pyrene	23.37	252	189541	1.61	ng/ul#	97
39) Indeno(1,2,3-cd)pyrene	25.67	276	148087	1.05	ng/ul	99
41) Benzo(g,h,i)perylene	26.35	276	145907	1.20	ng/ul	98

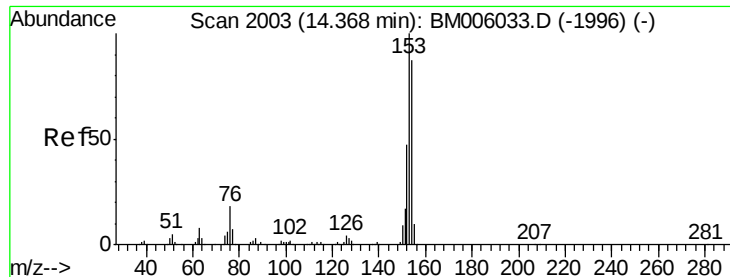
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006042.D
Acq On : 26 Jun 2016 16:12
Operator : UM/SJ
Sample : H3669-22MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9Y73MSD

Quant Time: Jun 27 05:16:48 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 27 05:15:31 2016
Response via : Initial Calibration





#19

Acenaphthene

Concen: 14.45 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

Instrument :

BNA_M

ClientSampleId :

D9Y73MSD

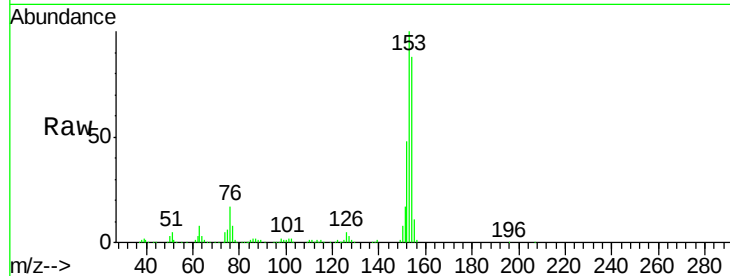
Tgt Ion:153 Resp: 477920

Ion Ratio Lower Upper

153 100

152 47.6 38.6 57.8

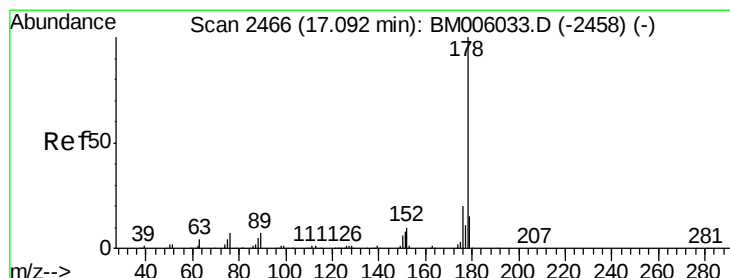
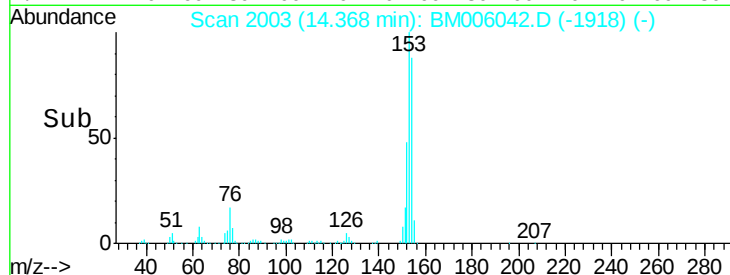
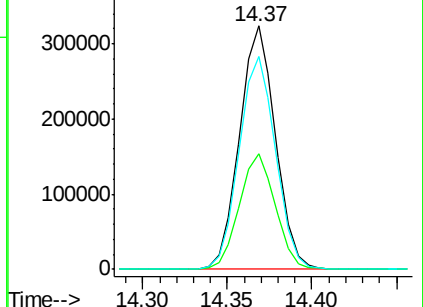
154 87.5 70.7 106.1



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



#25

Phenanthrene

Concen: 1.38 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

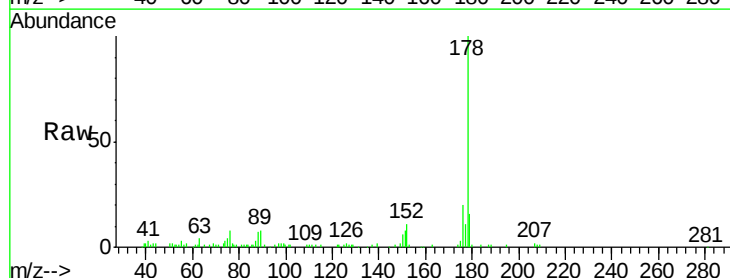
Tgt Ion:178 Resp: 100007

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

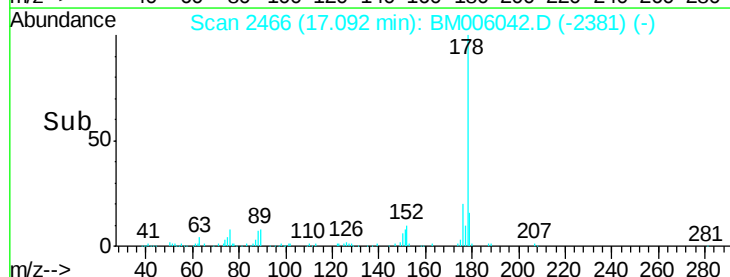
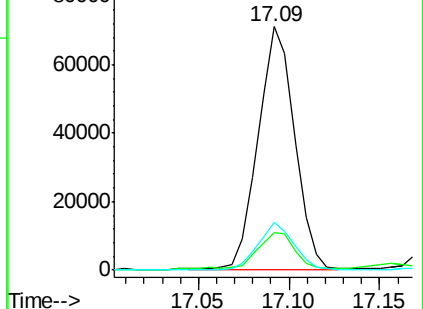
176 19.5 15.4 23.0

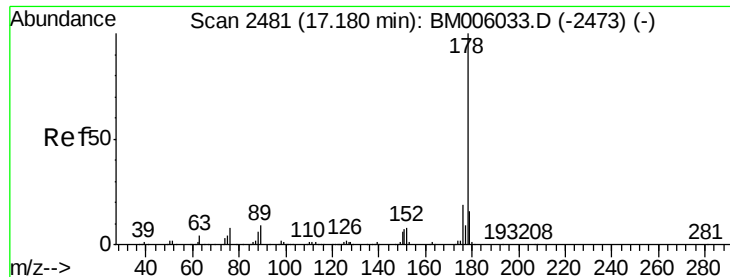


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 1.33 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.09 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

Instrument :

BNA_M

ClientSampleId :

D9Y73MSD

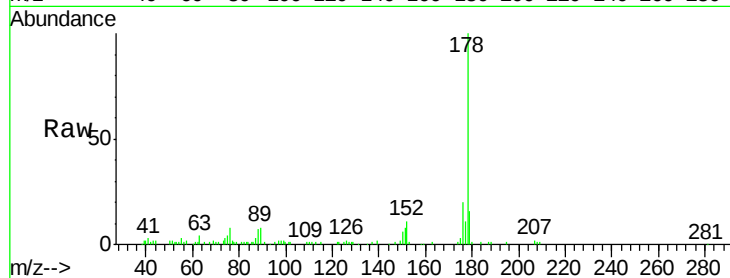
Tgt Ion:178 Resp: 100007

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

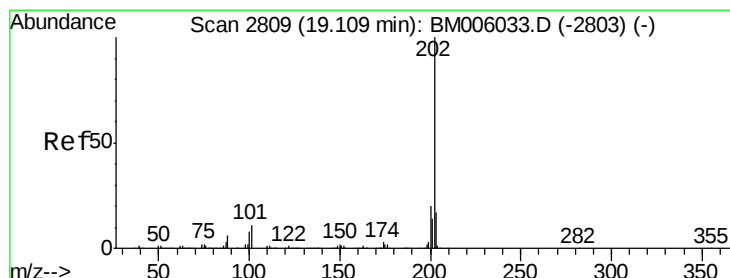
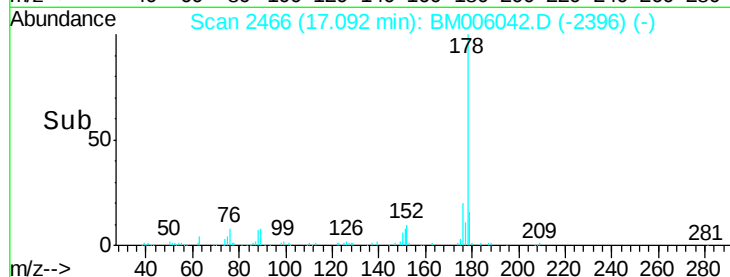
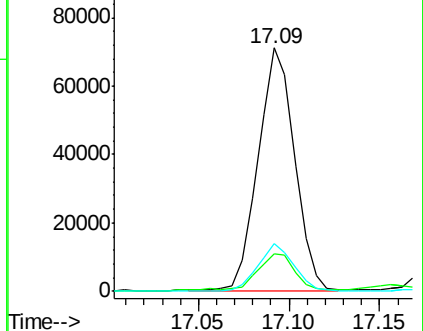
176 19.5 14.9 22.3



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: 2.51 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

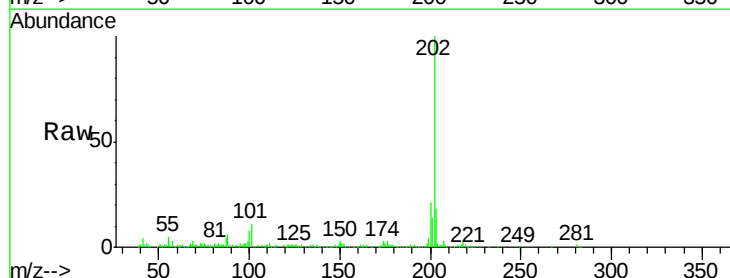
Tgt Ion:202 Resp: 233553

Ion Ratio Lower Upper

202 100

101 10.7 8.2 12.4

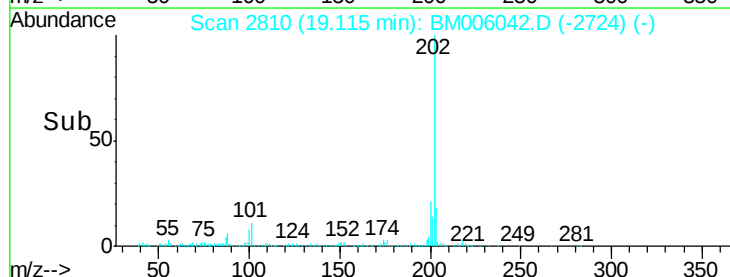
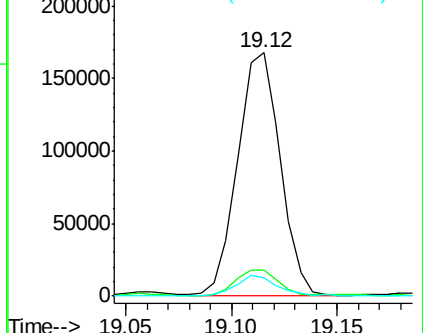
100 7.6 6.3 9.5

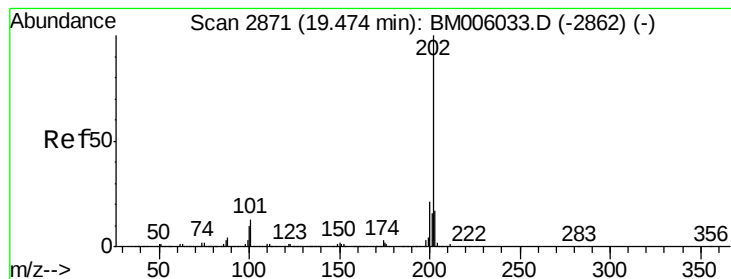


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 15.48 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. 0.01 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

Instrument :

BNA_M

ClientSampleId :

D9Y73MSD

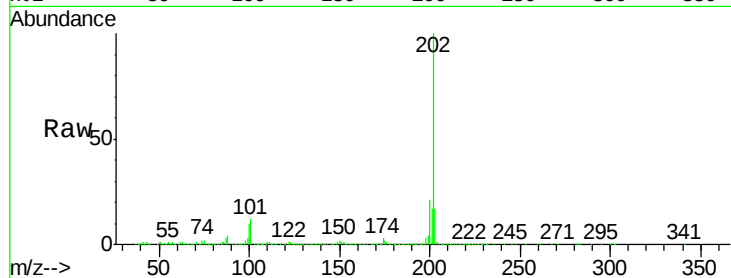
Tgt Ion:202 Resp: 1692760

Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.6

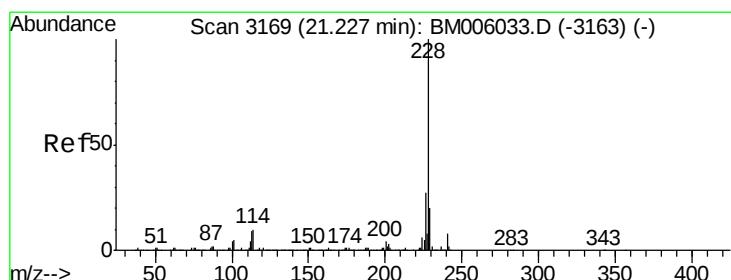
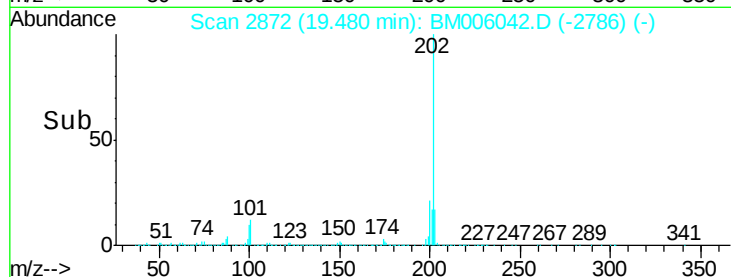
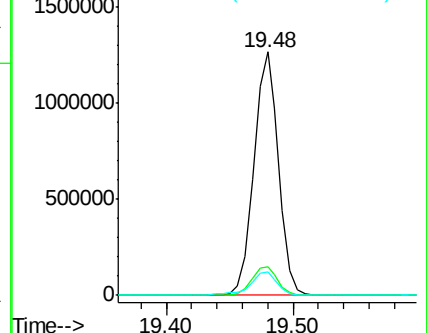
100 9.6 8.2 12.2



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: 1.32 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

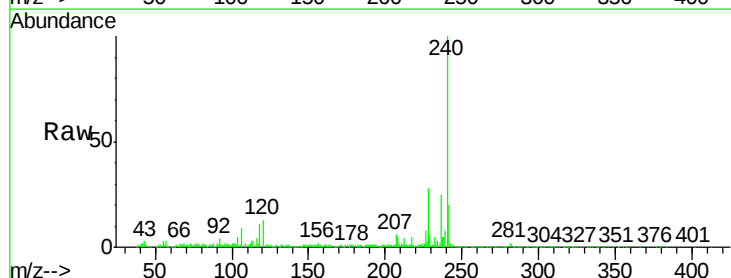
Tgt Ion:228 Resp: 150318

Ion Ratio Lower Upper

228 100

229 22.4 15.8 23.6

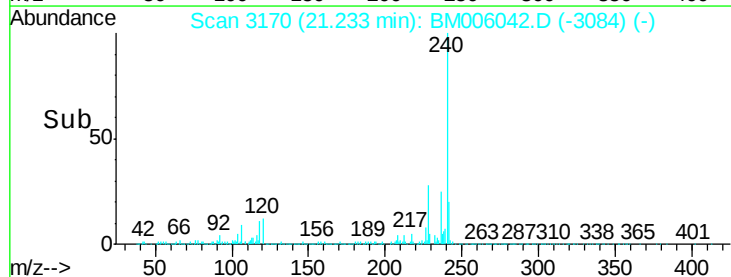
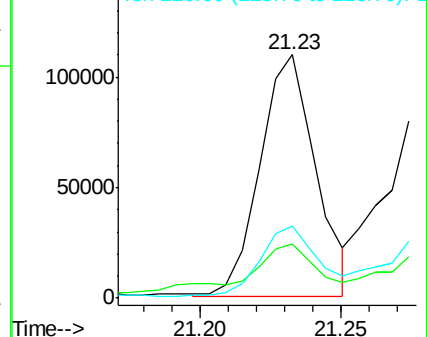
226 29.9 21.5 32.3

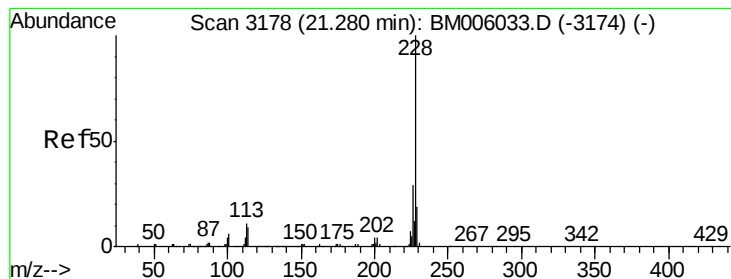


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 1.45 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.05 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

Instrument :

BNA_M

ClientSampleId :

D9Y73MSD

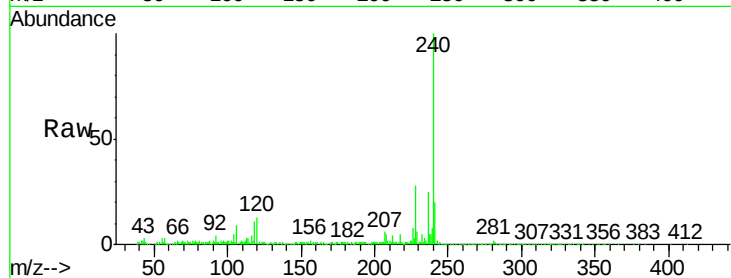
Tgt Ion:228 Resp: 149902

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

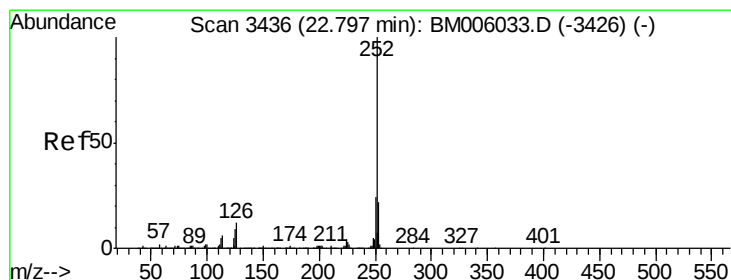
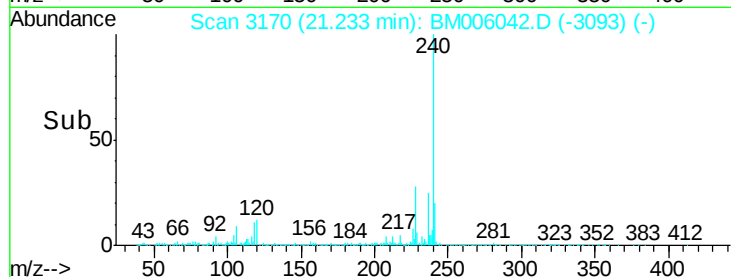
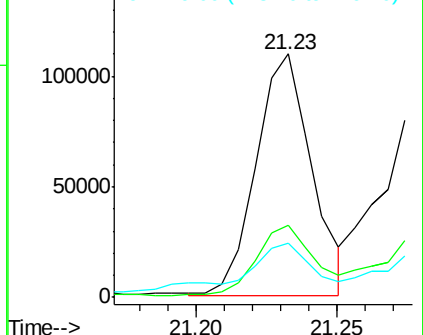
229 22.4 15.4 23.2



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: 2.46 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

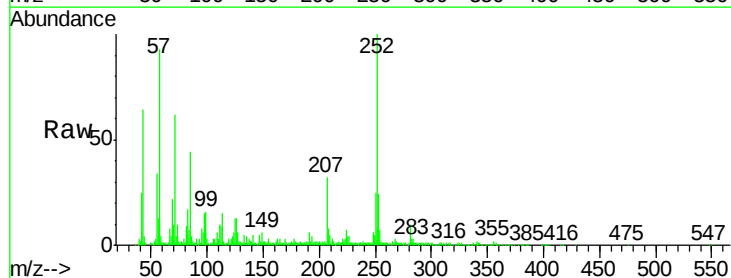
Tgt Ion:252 Resp: 301766

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

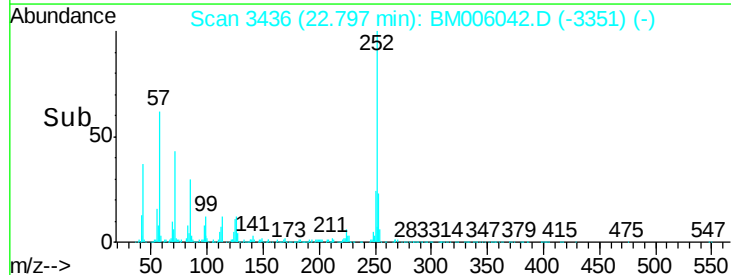
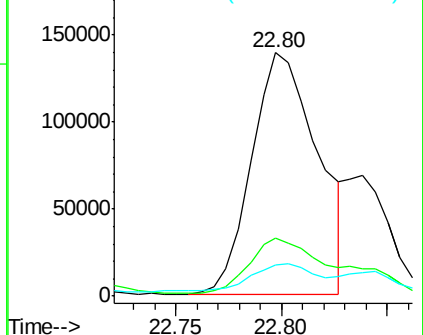
125 13.0 6.8 10.2#

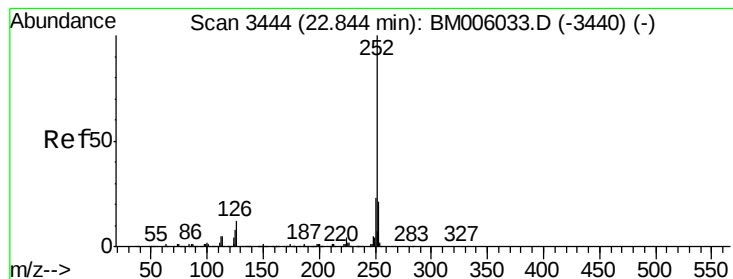


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 2.64 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

Instrument :

BNA_M

ClientSampleId :

D9Y73MSD

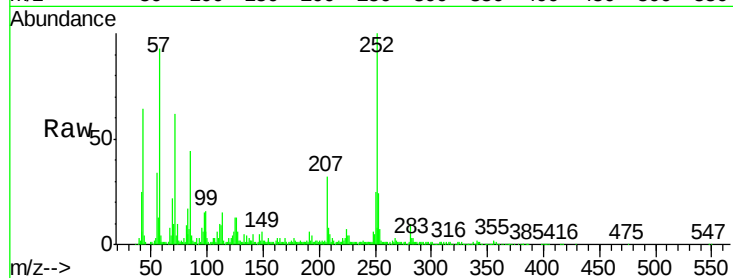
Tgt Ion:252 Resp: 301766

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

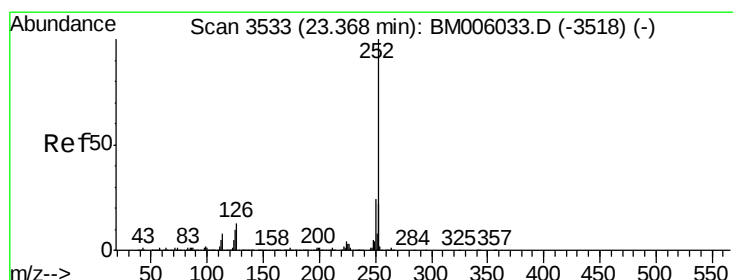
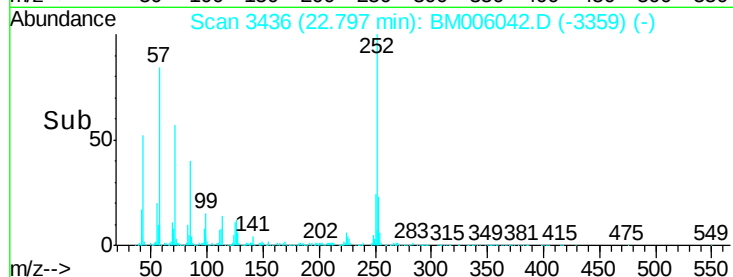
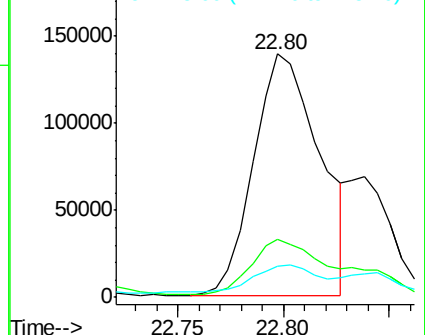
125 13.0 7.0 10.4#



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: 1.61 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

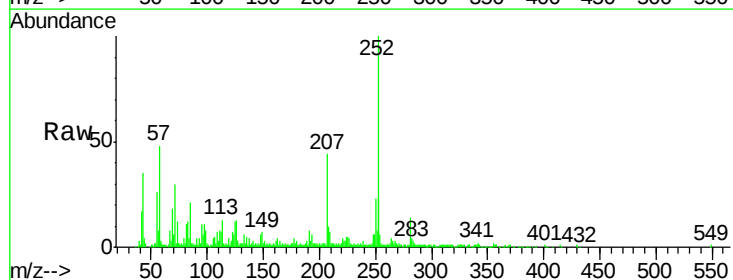
Tgt Ion:252 Resp: 189541

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

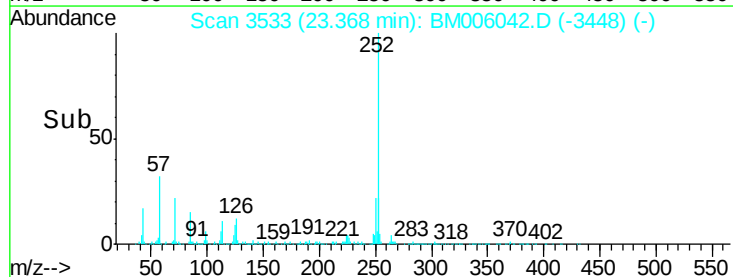
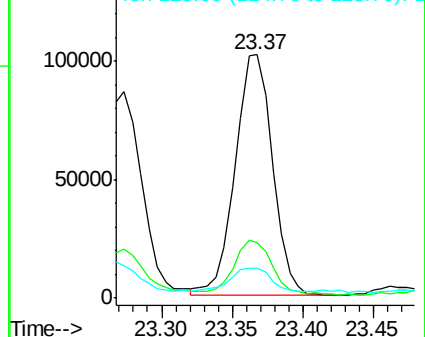
125 12.1 7.8 11.6#

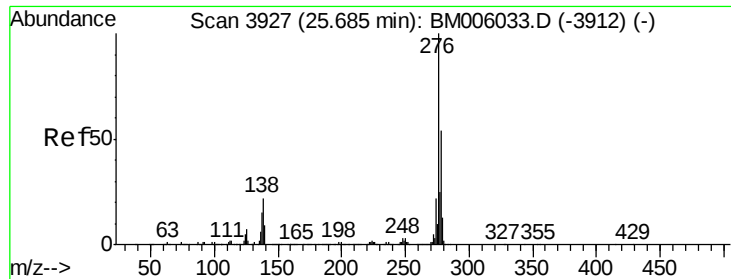


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.05 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

Instrument :

BNA_M

ClientSampleId :

D9Y73MSD

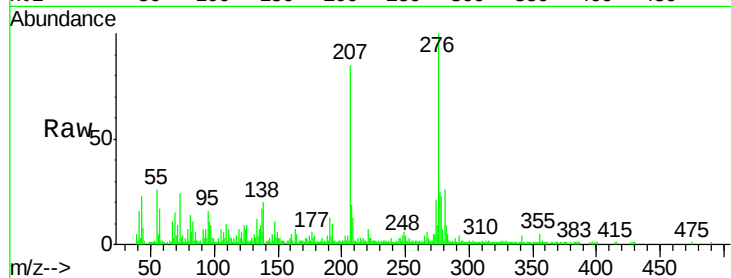
Tgt Ion:276 Resp: 148087

Ion Ratio Lower Upper

276 100

138 20.5 16.6 25.0

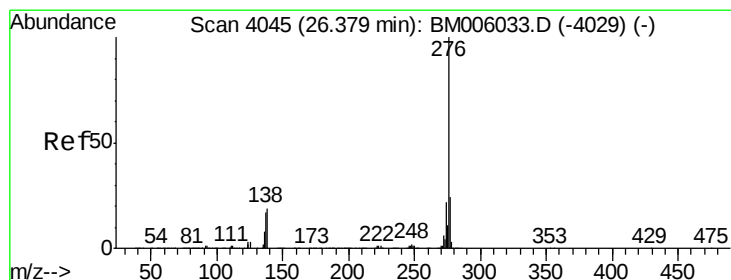
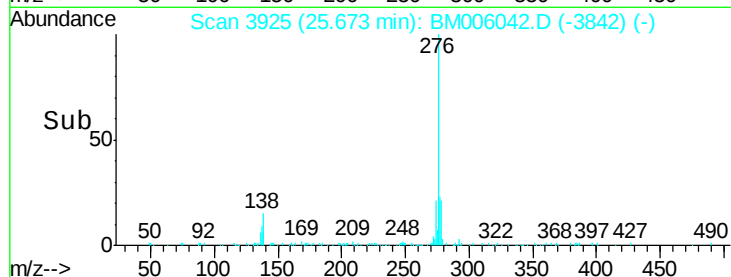
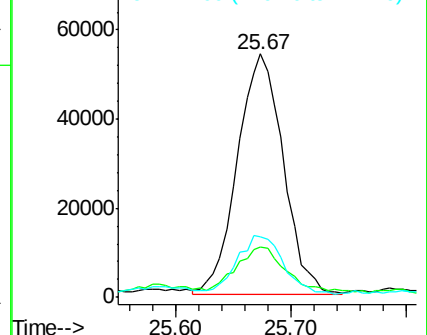
277 24.7 19.6 29.4



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



#41

Benzo(g,h,i)perylene

Concen: 1.20 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.03 min

Lab File: BM006042.D

Acq: 26 Jun 2016 16:12

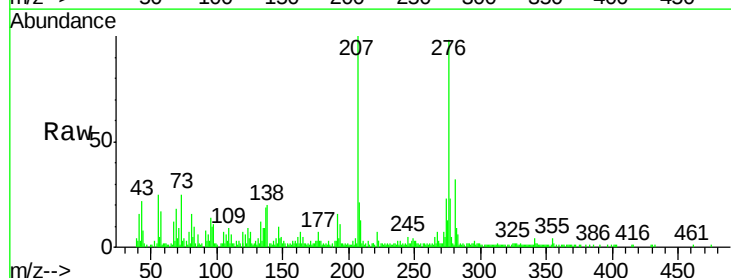
Tgt Ion:276 Resp: 145907

Ion Ratio Lower Upper

276 100

138 20.9 15.9 23.9

277 23.4 19.2 28.8



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

