

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006625.D
 Acq On : 22 Jul 2016 14:48
 Operator : UM/SJ
 Sample : H4076-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YP8

Quant Time: Jul 23 00:17:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	173603	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	751132	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	420223	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	941750	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1007400	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1037886	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	10159	2.37	ng/uL	0.00
3) Phenol-d5	6.80	99	416001	28.17	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	254574	27.82	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	325607	27.59	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	312769	27.31	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	158892	27.95	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	174088	28.79	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	307489	26.91	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	358673	28.50	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	904500	27.45	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1176449	27.97	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	151691	26.51	ng/ul	0.00
21) Fluorene-d10	15.27	176	815902	27.69	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	81315	16.63	ng/ul	0.00
26) Anthracene-d10	17.12	188	1218186	27.24	ng/ul	0.00
30) Pyrene-d10	19.42	212	1336007	29.10	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1259887	26.39	ng/ul	0.00

Target Compounds

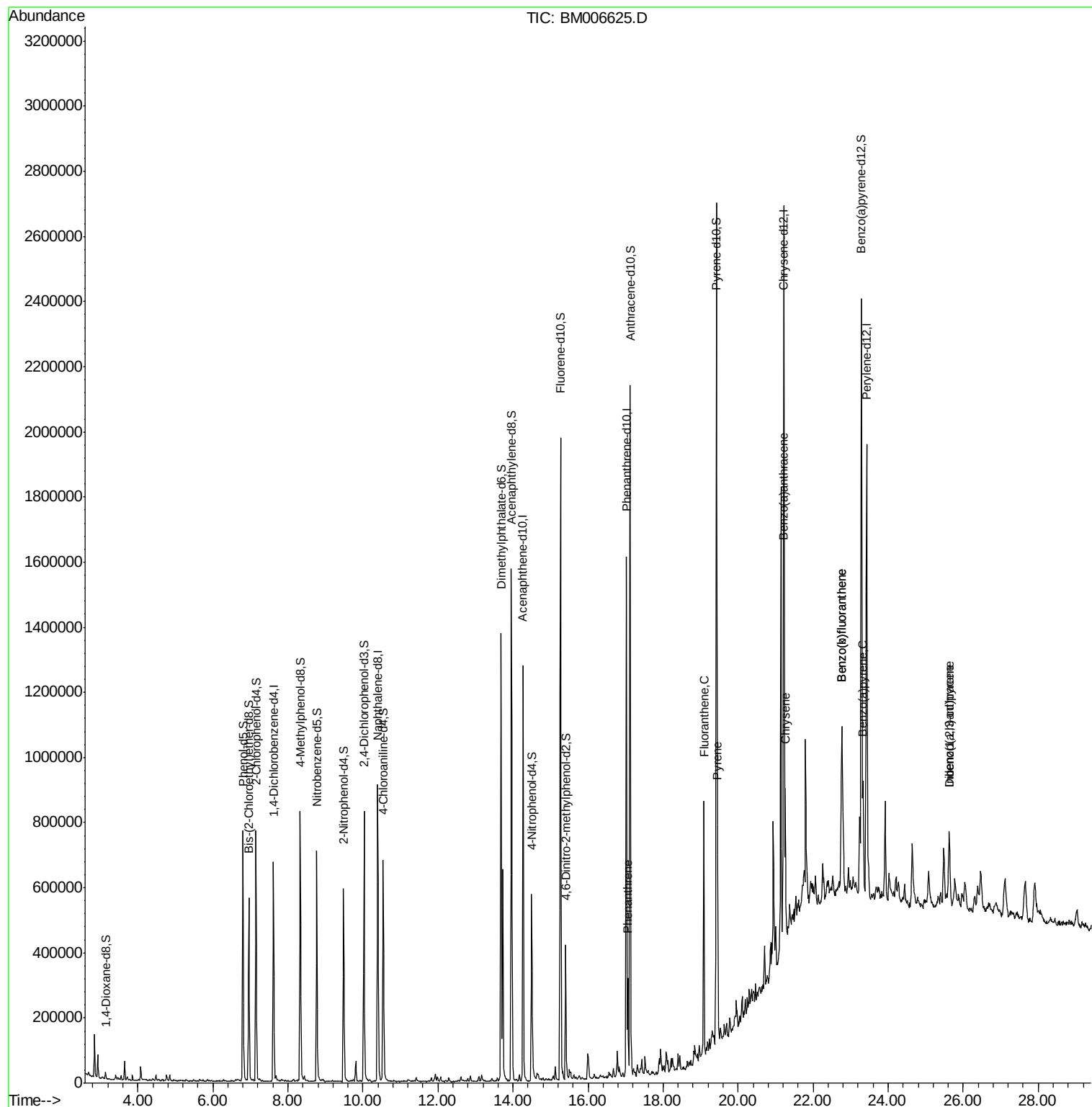
						Qvalue
25) Phenanthrene	17.06	178	161864	3.06	ng/ul	99
28) Fluoranthene	19.09	202	445752	7.16	ng/ul	99
31) Pyrene	19.45	202	374136	6.13	ng/ul	98
32) Benzo(a)anthracene	21.20	228	240982	3.95	ng/ul	98
33) Chrysene	21.26	228	257709	4.58	ng/ul	95
35) Benzo(b)fluoranthene	22.77	252	417793	6.72	ng/ul	99
36) Benzo(k)fluoranthene	22.77	252	417793	6.94	ng/ul	98
38) Benzo(a)pyrene	23.33	252	241905	3.99	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.63	276	210589	3.00	ng/ul	98
40) Dibenzo(a,h)anthracene	25.63	278	58278	1.00	ng/ul#	81

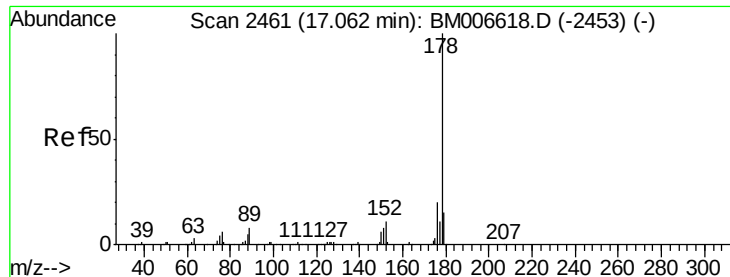
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.06 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

Instrument :

BNA_M

ClientSampleId :

D9YP8

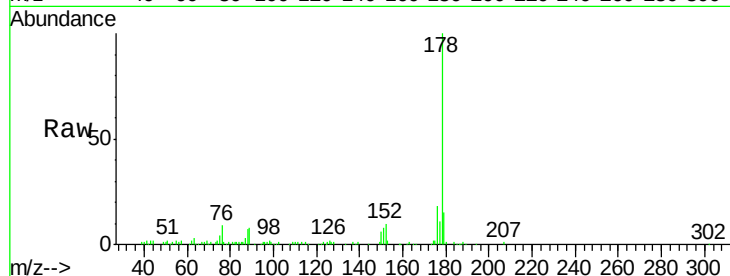
Tgt Ion:178 Resp: 161864

Ion Ratio Lower Upper

178 100

179 14.7 11.8 17.8

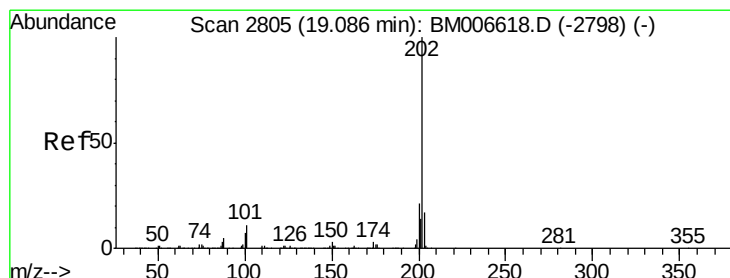
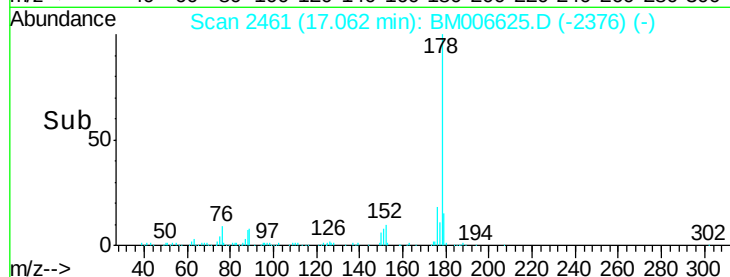
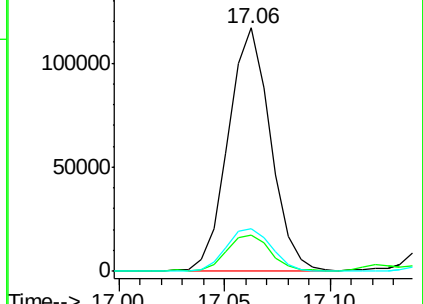
176 17.5 14.8 22.2



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: 7.16 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

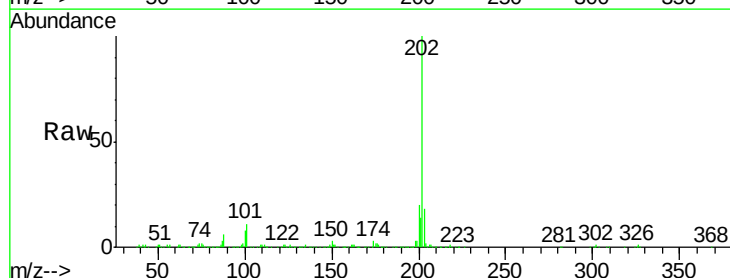
Tgt Ion:202 Resp: 445752

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

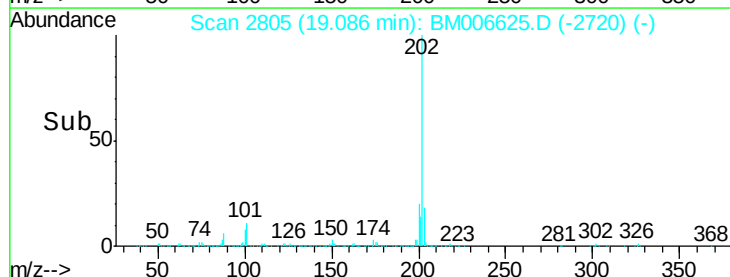
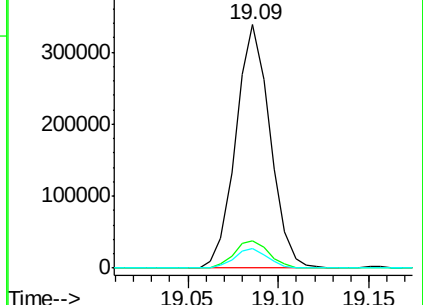
100 8.1 7.0 10.4

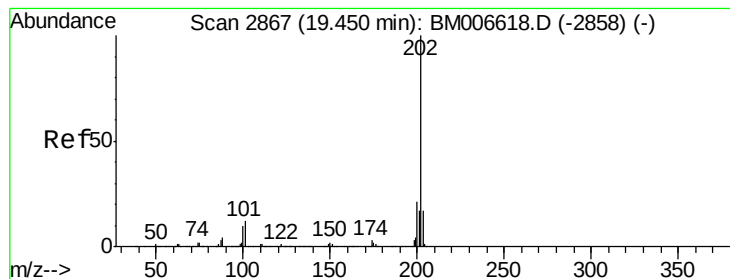


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#31

Pyrene

Concen: 6.13 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

Instrument :

BNA_M

ClientSampleId :

D9YP8

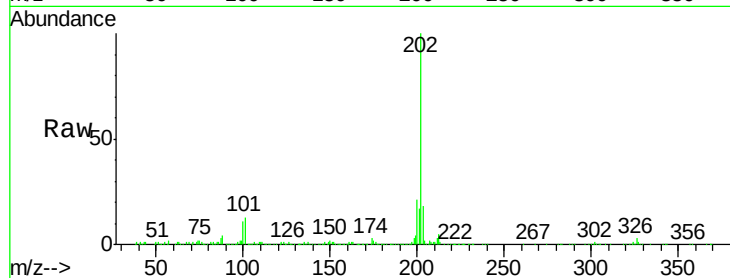
Tgt Ion:202 Resp: 374136

Ion Ratio Lower Upper

202 100

101 13.2 9.8 14.8

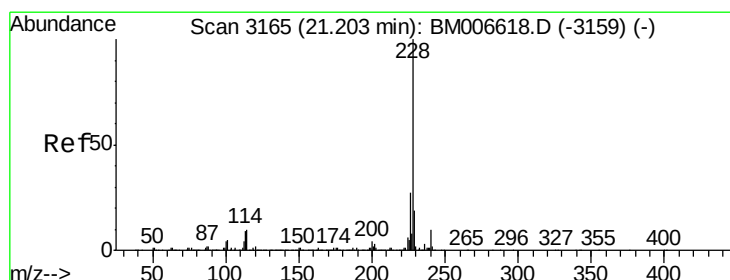
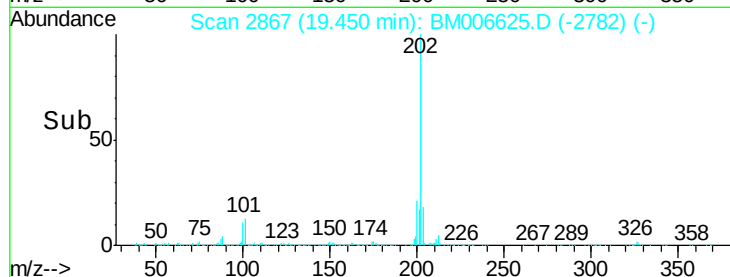
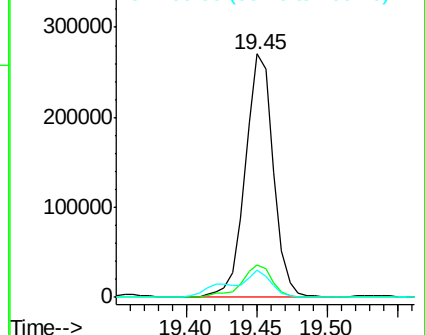
100 11.0 9.3 13.9



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: 3.95 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

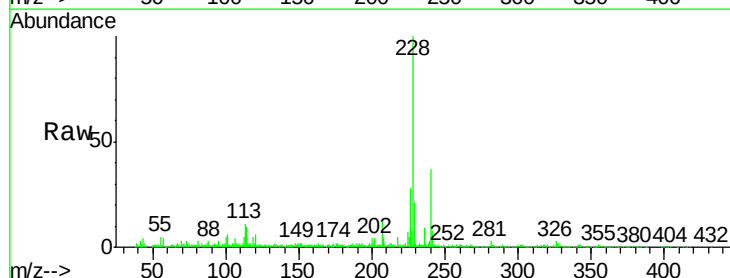
Tgt Ion:228 Resp: 240982

Ion Ratio Lower Upper

228 100

229 21.1 16.6 25.0

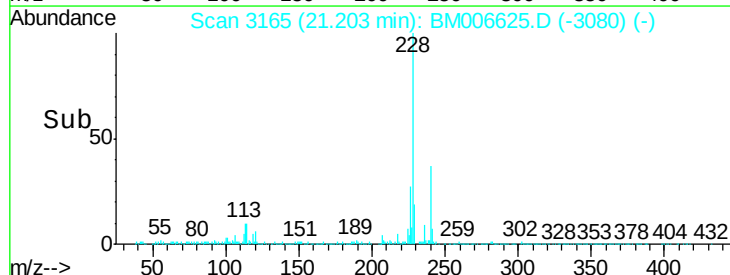
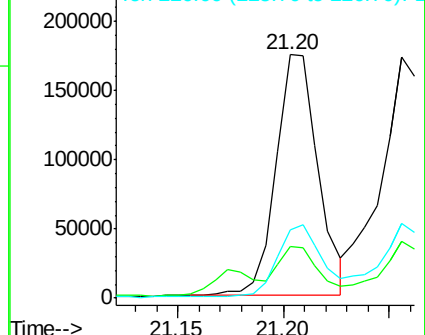
226 27.8 21.0 31.4

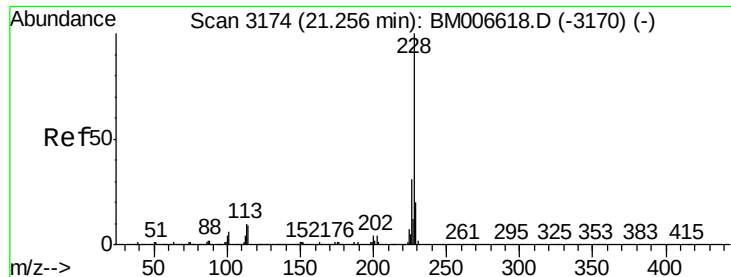


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.58 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

Instrument :

BNA_M

ClientSampleId :

D9YP8

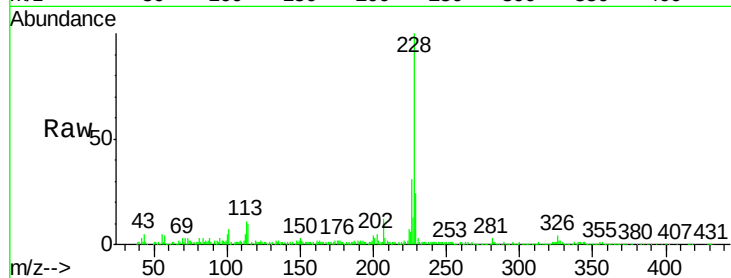
Tgt Ion:228 Resp: 257709

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.2

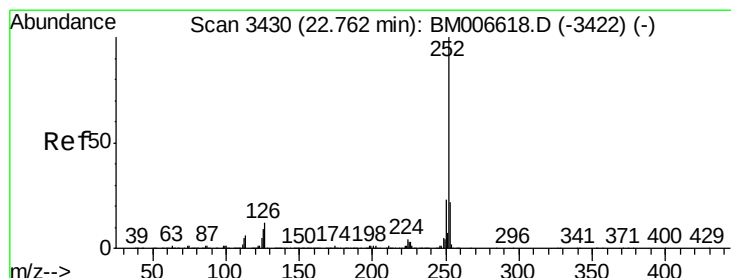
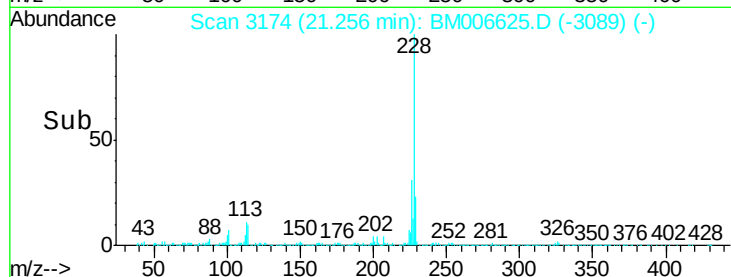
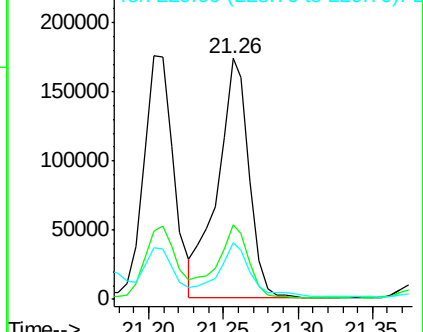
229 23.7 16.2 24.2



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: 6.72 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

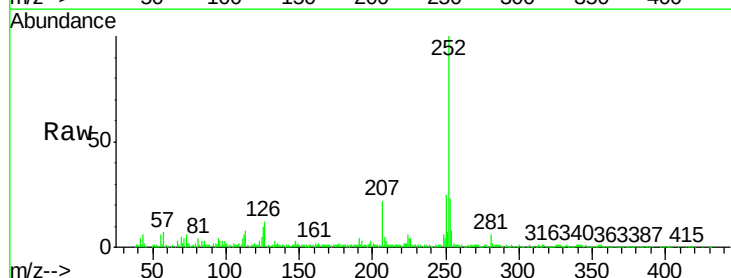
Tgt Ion:252 Resp: 417793

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

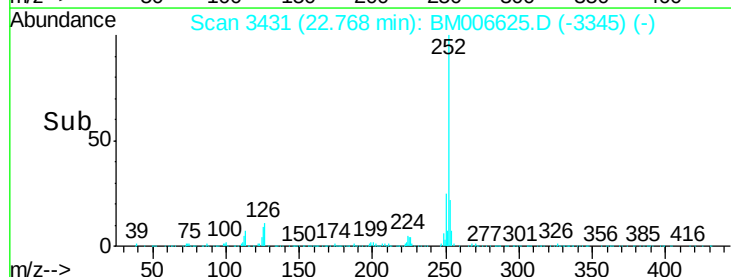
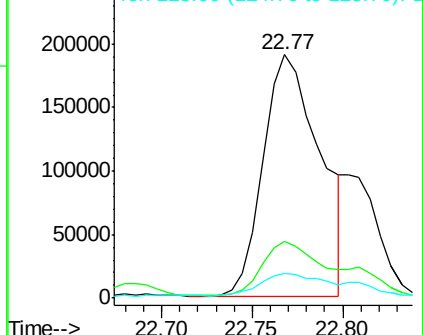
125 10.1 7.6 11.4

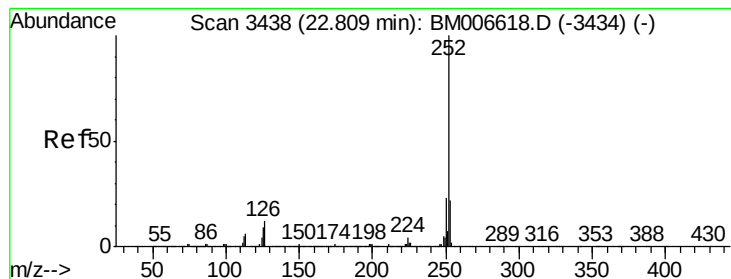


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 6.94 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. -0.04 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

Instrument :

BNA_M

ClientSampleId :

D9YP8

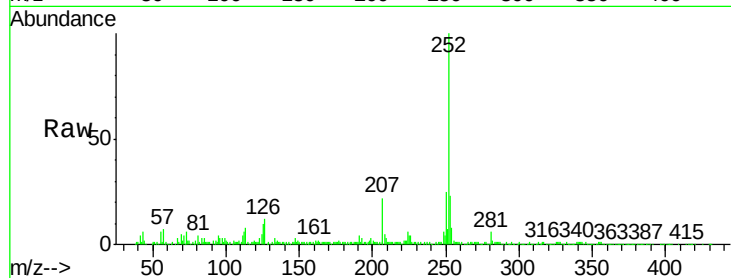
Tgt Ion:252 Resp: 417793

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

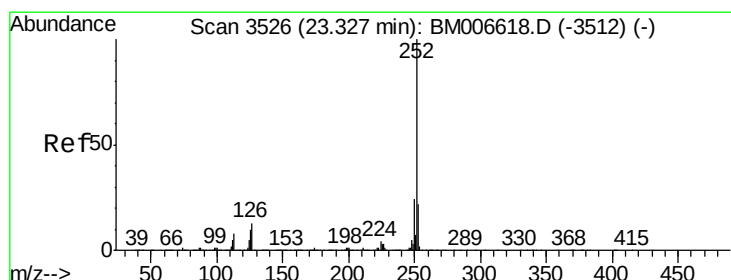
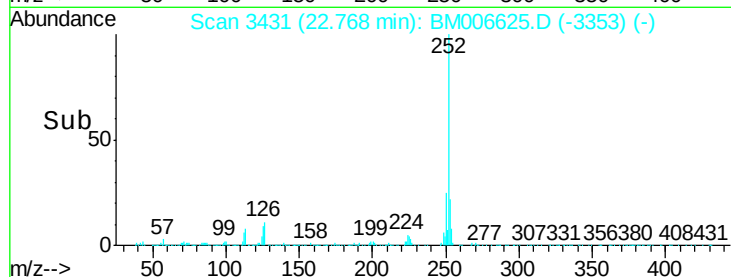
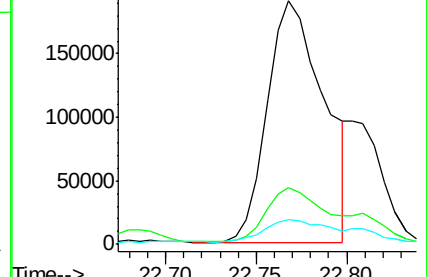
125 10.1 7.7 11.5



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: 3.99 ng/ul

RT: 23.33 min Scan# 3527

Delta R.T. 0.01 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

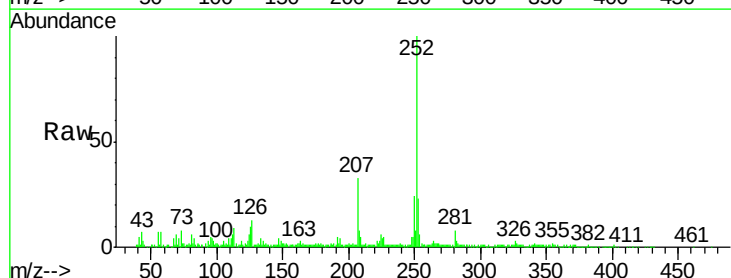
Tgt Ion:252 Resp: 241905

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

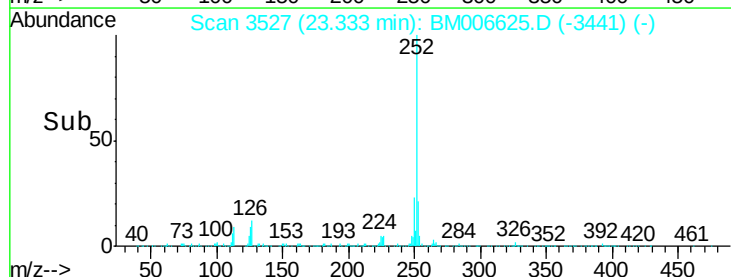
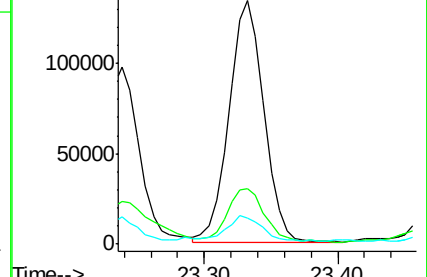
125 10.4 8.2 12.2

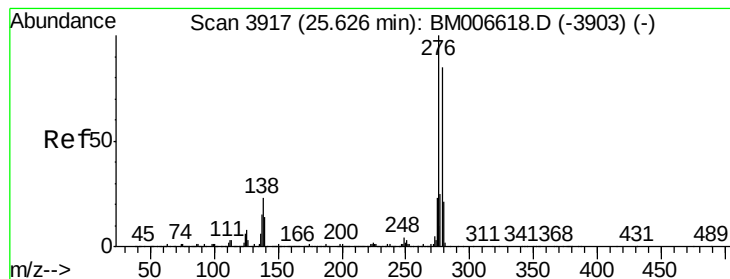


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.00 ng/ul

RT: 25.63 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

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D9YP8

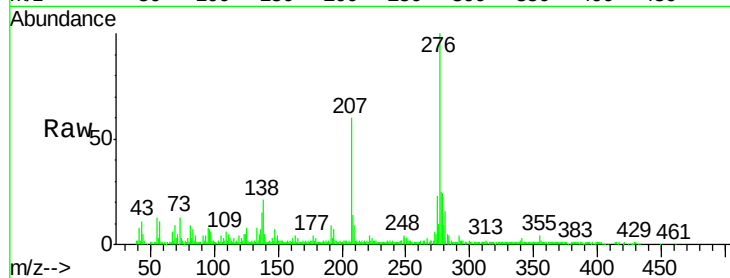
Tgt Ion:276 Resp: 210589

Ion Ratio Lower Upper

276 100

138 21.2 15.8 23.6

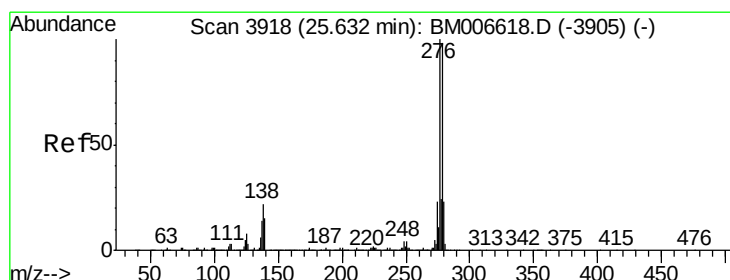
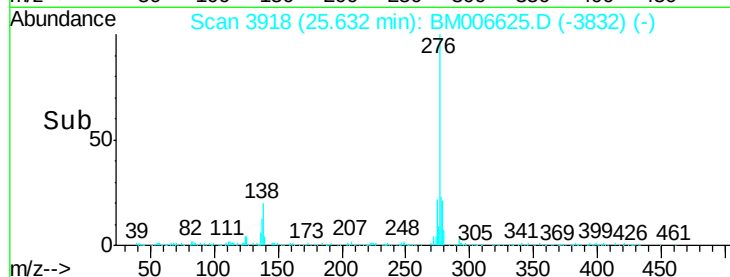
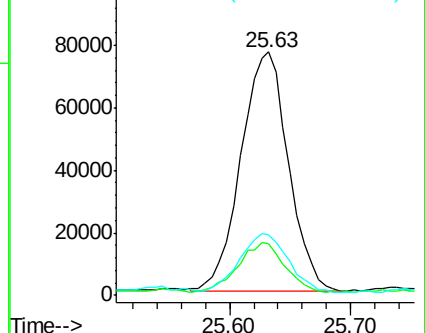
277 24.6 19.0 28.6



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: 1.00 ng/ul

RT: 25.63 min Scan# 3917

Delta R.T. -0.01 min

Lab File: BM006625.D

Acq: 22 Jul 2016 14:48

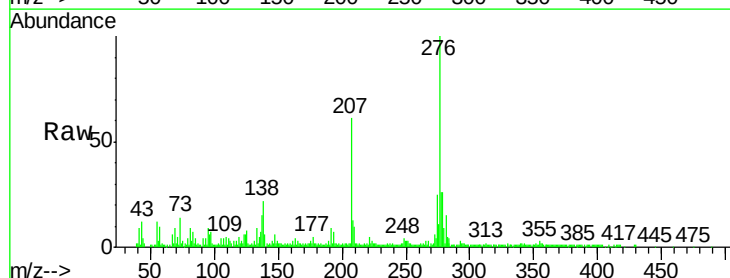
Tgt Ion:278 Resp: 58278

Ion Ratio Lower Upper

278 100

139 24.6 12.1 18.1#

279 33.4 19.8 29.8#



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

