

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
 Data File : BM006180.D
 Acq On : 01 Jul 2016 13:38
 Operator : UM/SJ
 Sample : H3777-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4

Quant Time: Jul 01 17:32:29 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	7.66	152	423741	20.00	ng/ul	0.01
7) Naphthalene-d8	10.45	136	1901073	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.32	164	1063955	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.07	188	2301041	20.00	ng/ul	0.02
29) Chrysene-d12	21.27	240	1780298	20.00	ng/ul	0.02
34) Perylene-d12	23.50	264	1782789	20.00	ng/ul	0.04

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9488	1.04	ng/uL	0.00
3) Phenol-d5	6.85	99	512223	14.80	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.00	67	326753	16.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.20	132	413773	15.57	ng/ul	0.01
6) 4-Methylphenol-d8	8.37	113	380273	13.65	ng/ul	0.01
8) Nitrobenzene-d5	8.82	128	219752	17.16	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	248820	16.98	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	433412	16.21	ng/ul	0.02
12) 4-Chloroaniline-d4	10.59	131	284537	13.46	ng/ul	0.01
16) Dimethylphthalate-d6	13.73	166	1305906	17.12	ng/ul	0.01
17) Acenaphthylene-d8	14.00	160	1672432	18.07	ng/ul	0.01
20) 4-Nitrophenol-d4	14.54	143	156931	10.84	ng/ul	0.03
21) Fluorene-d10	15.32	176	1153149	17.72	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.45	200	145858	17.90	ng/ul	0.02
26) Anthracene-d10	17.17	188	1736889	18.82	ng/ul	0.02
30) Pyrene-d10	19.47	212	1689010	23.56	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.36	264	1337392	18.85	ng/ul	0.04

Target Compounds

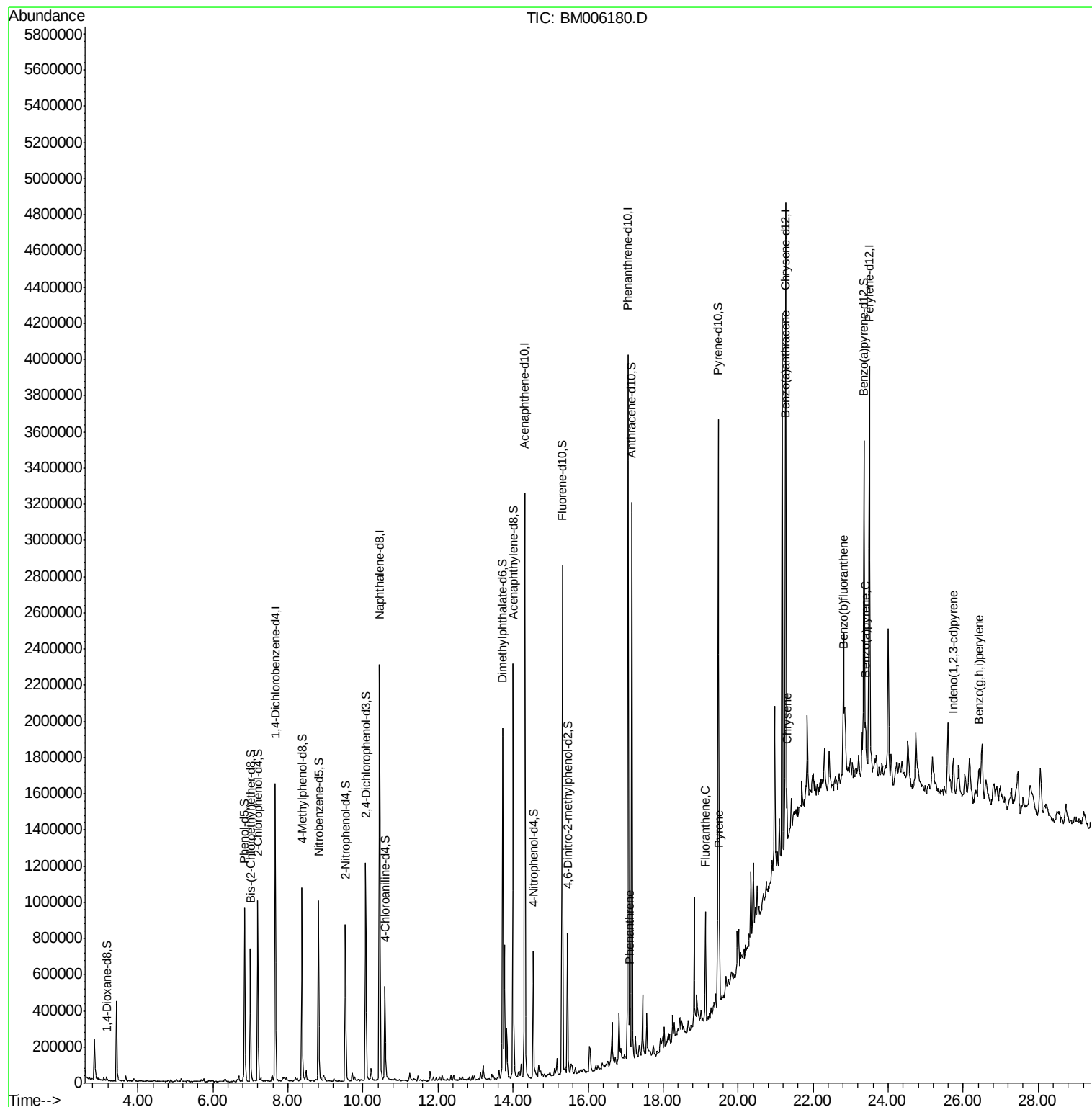
						Qvalue
25) Phenanthrene	17.11	178	161114	1.48	ng/ul	98
28) Fluoranthene	19.13	202	372359	2.79	ng/ul	98
31) Pyrene	19.50	202	311310	3.32	ng/ul	96
32) Benzo(a)anthracene	21.25	228	162221	1.75	ng/ul#	91
33) Chrysene	21.30	228	192650	2.26	ng/ul#	93
35) Benzo(b)fluoranthene	22.83	252	274760	2.97	ng/ul#	91
38) Benzo(a)pyrene	23.40	252	175711	2.01	ng/ul#	89
39) Indeno(1,2,3-cd)pyrene	25.73	276	149228	1.64	ng/ul	94
41) Benzo(g,h,i)perylene	26.43	276	209793	2.76	ng/ul	97

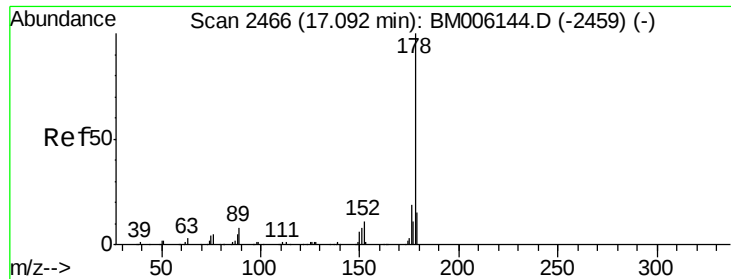
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.48 ng/ul

RT: 17.11 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

Instrument :

BNA_M

ClientSampleId :

D9YC4

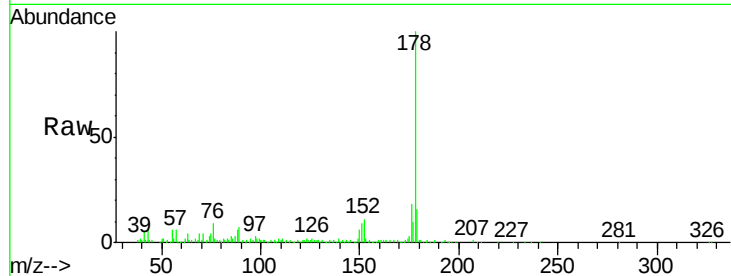
Tgt Ion:178 Resp: 161114

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.2

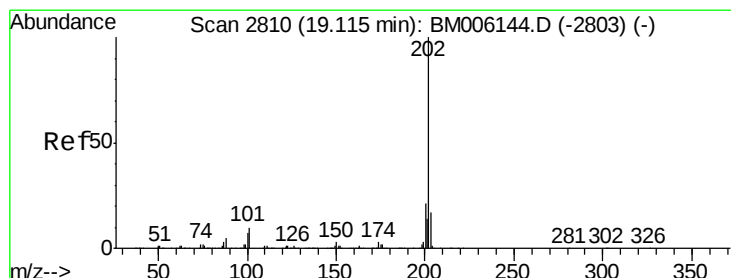
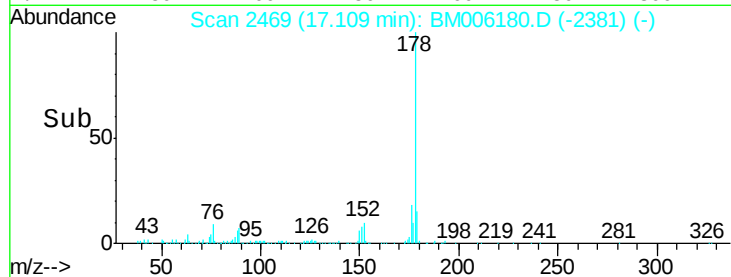
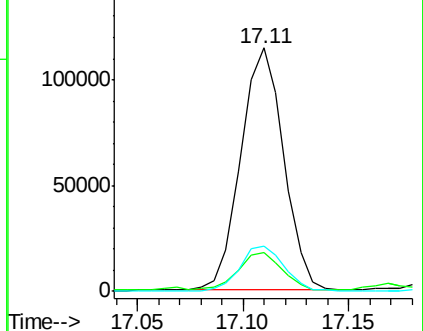
176 18.4 15.3 22.9



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



#28

Fluoranthene

Concen: 2.79 ng/ul

RT: 19.13 min Scan# 2813

Delta R.T. 0.02 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

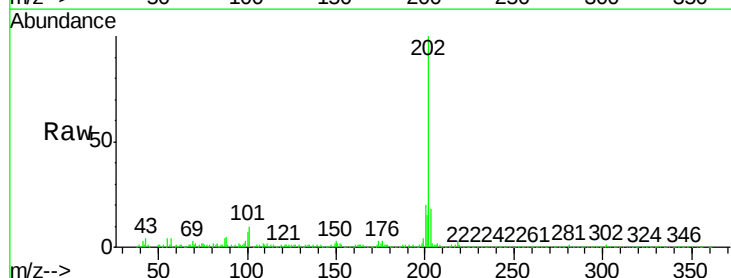
Tgt Ion:202 Resp: 372359

Ion Ratio Lower Upper

202 100

101 10.0 8.5 12.7

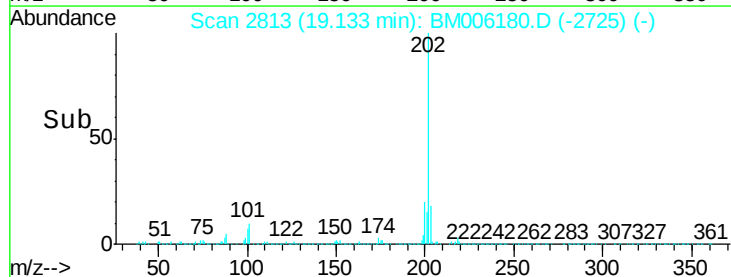
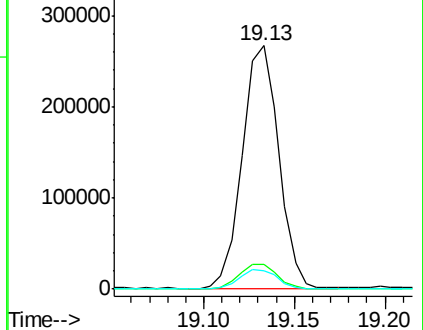
100 7.5 6.5 9.7

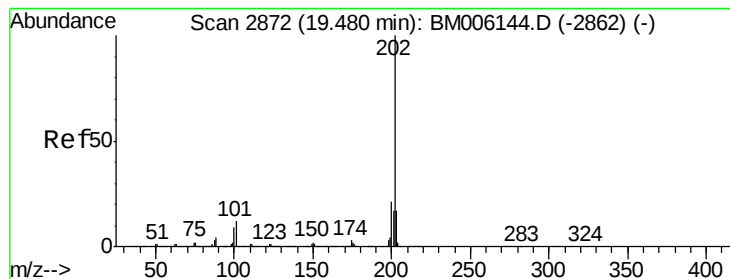


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 3.32 ng/ul

RT: 19.50 min Scan# 2875

Delta R.T. 0.02 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

Instrument :

BNA_M

ClientSampleId :

D9YC4

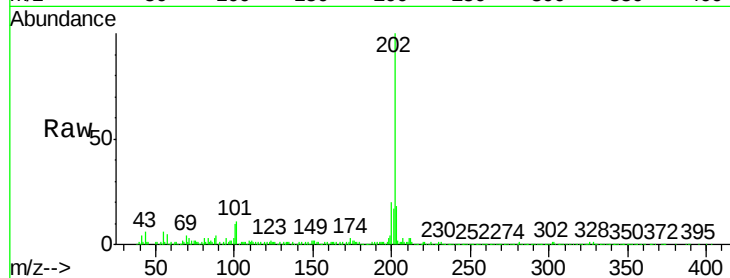
Tgt Ion:202 Resp: 311310

Ion Ratio Lower Upper

202 100

101 11.4 11.0 16.4

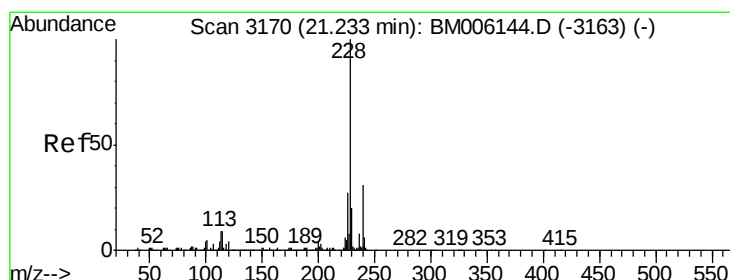
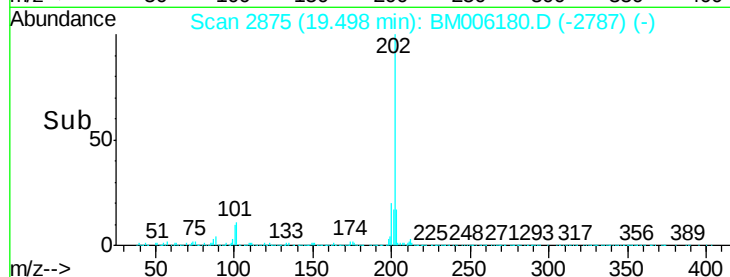
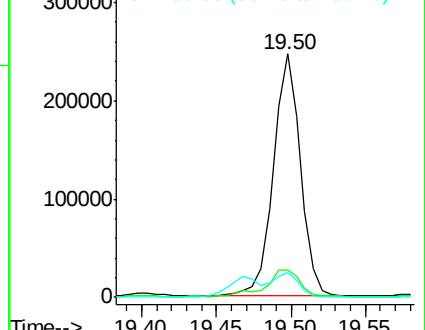
100 10.2 8.9 13.3



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: 1.75 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.02 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

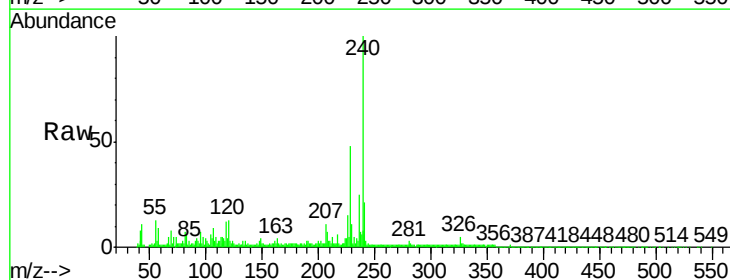
Tgt Ion:228 Resp: 162221

Ion Ratio Lower Upper

228 100

229 23.9 15.6 23.4#

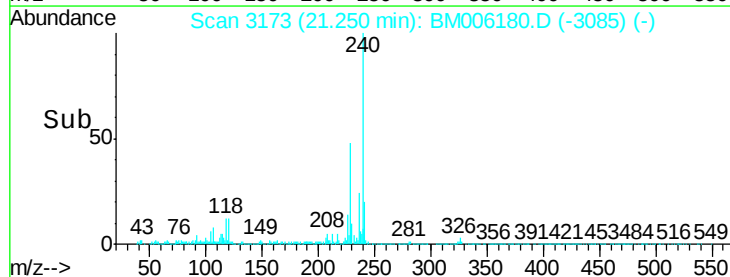
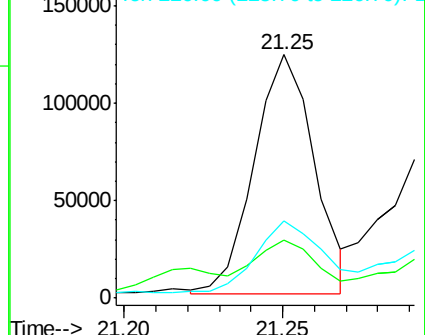
226 31.8 21.6 32.4

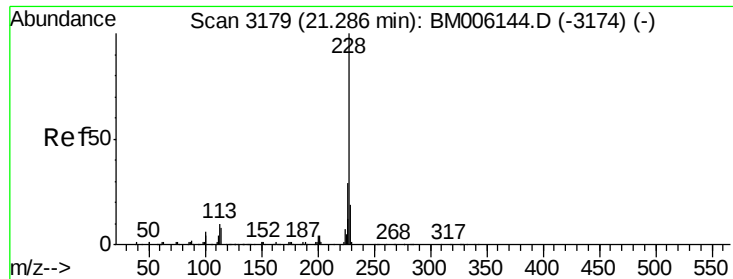


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 2.26 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

Instrument :

BNA_M

ClientSampleId :

D9YC4

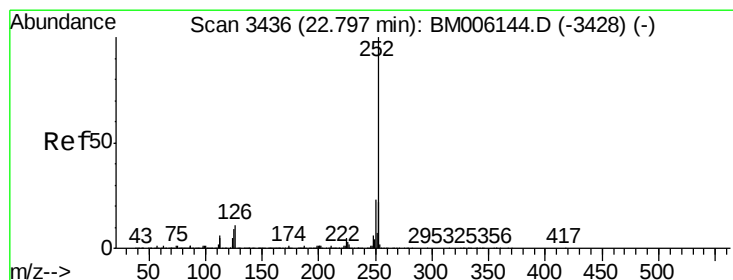
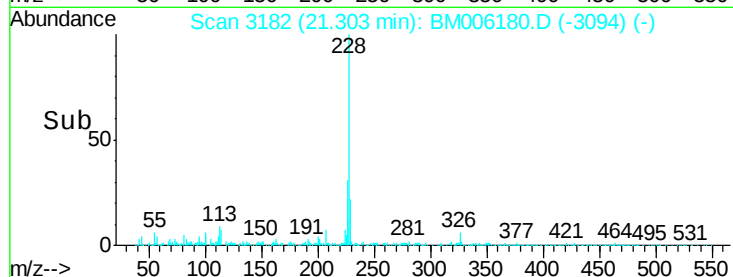
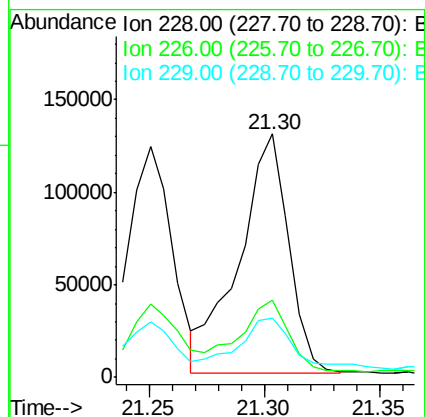
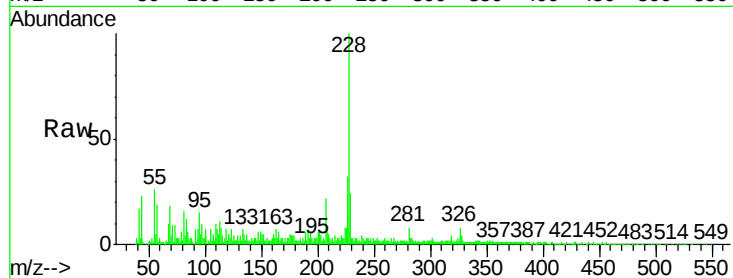
Tgt Ion:228 Resp: 192650

Ion Ratio Lower Upper

228 100

226 31.9 23.8 35.6

229 24.4 15.8 23.6#



#35

Benzo(b)fluoranthene

Concen: 2.97 ng/ul

RT: 22.83 min Scan# 3441

Delta R.T. 0.03 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

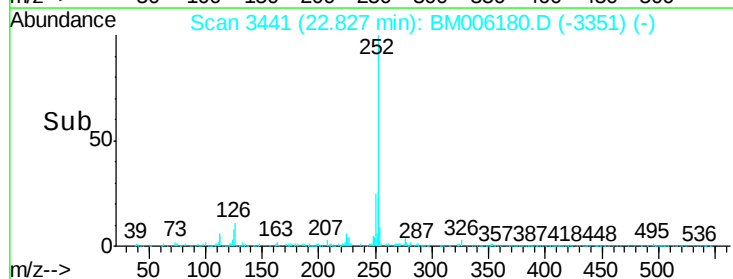
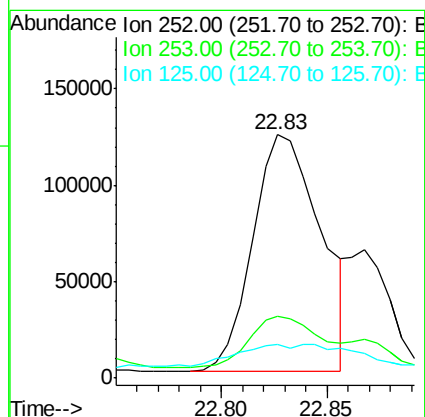
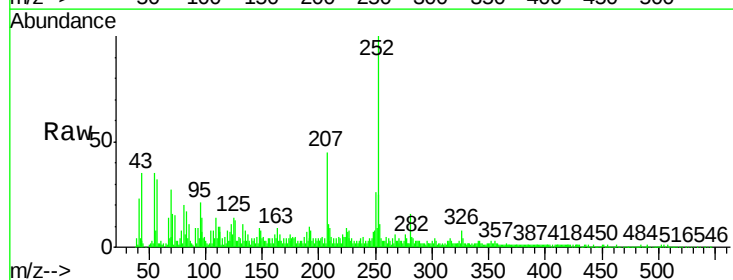
Tgt Ion:252 Resp: 274760

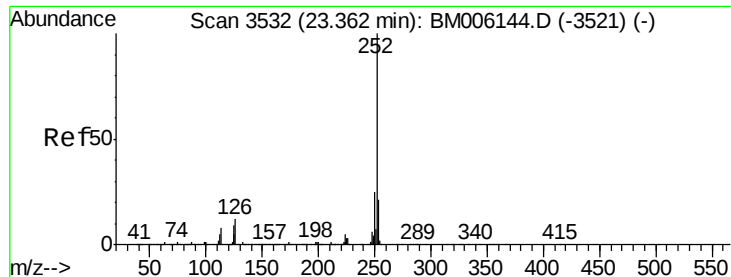
Ion Ratio Lower Upper

252 100

253 25.4 17.2 25.8

125 13.6 7.8 11.6#





#38

Benzo(a)pyrene

Concen: 2.01 ng/ul

RT: 23.40 min Scan# 3538

Delta R.T. 0.03 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

Instrument :

BNA_M

ClientSampleId :

D9YC4

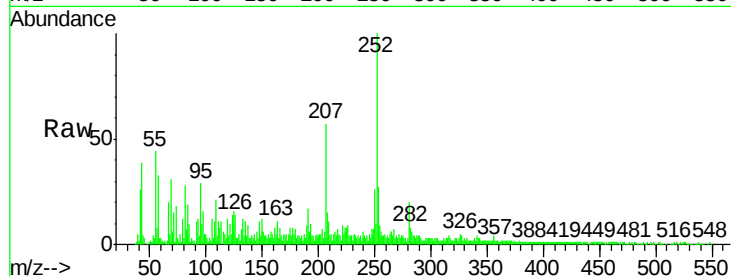
Tgt Ion:252 Resp: 175711

Ion Ratio Lower Upper

252 100

253 27.1 17.8 26.6#

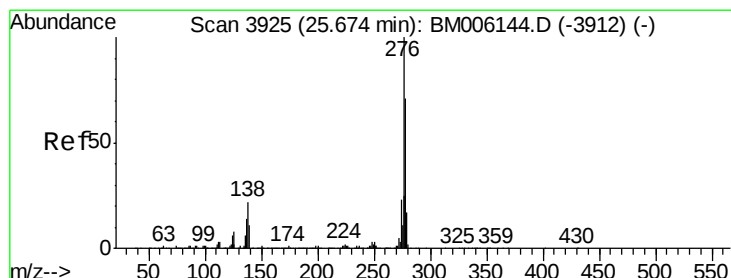
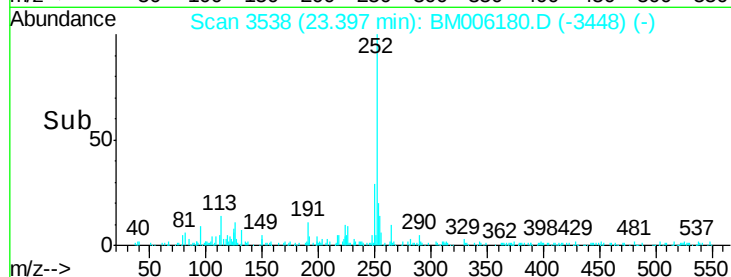
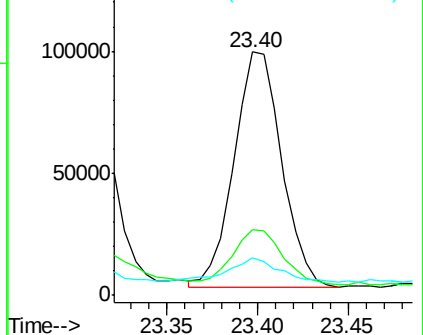
125 15.6 8.7 13.1#



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: 1.64 ng/ul

RT: 25.73 min Scan# 3935

Delta R.T. 0.05 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

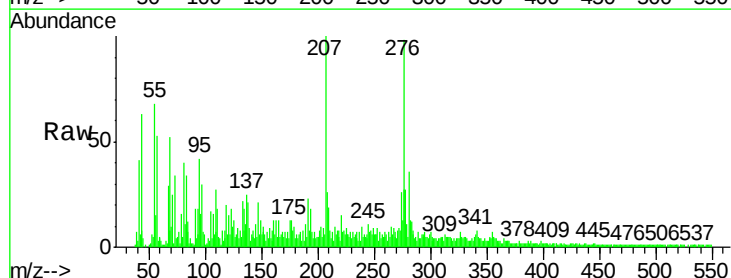
Tgt Ion:276 Resp: 149228

Ion Ratio Lower Upper

276 100

138 21.0 20.4 30.6

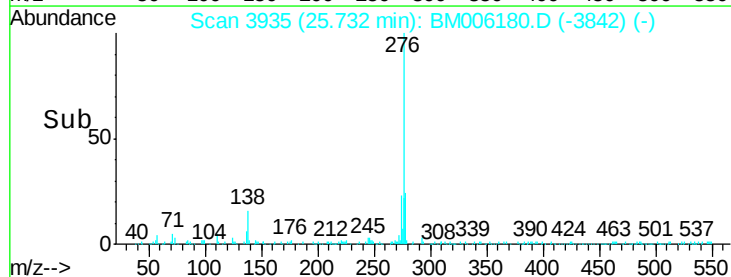
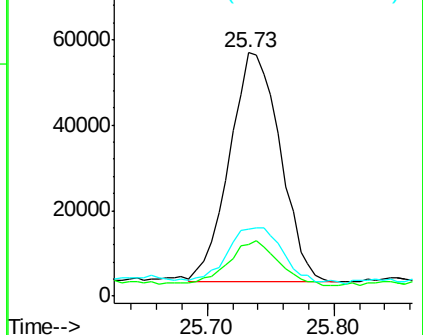
277 27.3 20.6 30.8

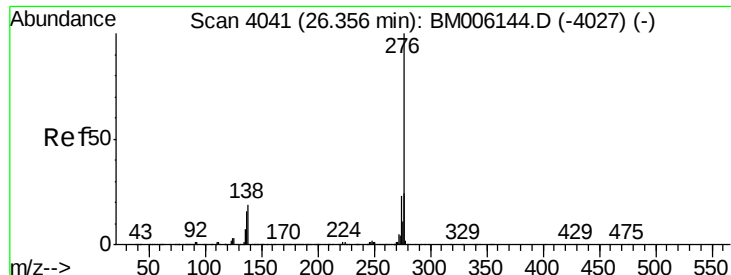


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#41

Benzo(g,h,i)perylene

Concen: 2.76 ng/ul

RT: 26.43 min Scan# 4054

Delta R.T. 0.08 min

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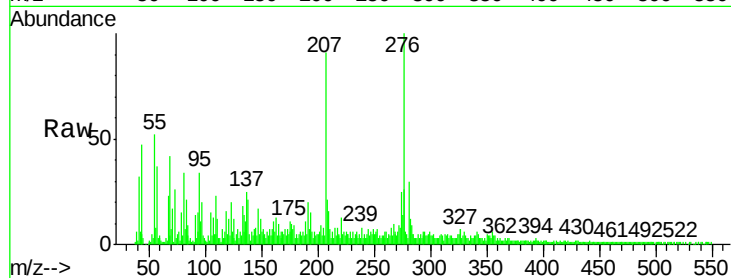
Tgt Ion:276 Resp: 209793

Ion Ratio Lower Upper

276 100

138 20.8 16.6 25.0

277 26.4 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

