

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006136.D
 Acq On : 29 Jun 2016 21:39
 Operator : UM/SJ
 Sample : H3779-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YD6

Quant Time: Jun 30 03:30:55 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	7.65	152	265899	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1297933	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	770119	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1691334	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1322474	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1256252	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	6020	1.05	ng/uL	0.00
3) Phenol-d5	6.82	99	338107	15.56	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	210535	16.44	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	257560	15.45	ng/ul	0.00
6) 4-Methylphenol-d8	8.35	113	289493	16.56	ng/ul	-0.01
8) Nitrobenzene-d5	8.80	128	135701	15.52	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	151184	15.11	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.05	165	276728	15.16	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	292830	20.29	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	869941	15.76	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1093367	16.32	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	132009	12.60	ng/ul	0.00
21) Fluorene-d10	15.30	176	756911	16.07	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	110463	18.44	ng/ul	0.00
26) Anthracene-d10	17.14	188	1117670	16.47	ng/ul	0.00
30) Pyrene-d10	19.44	212	1115416	20.95	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	807347	16.15	ng/ul	0.00

Target Compounds

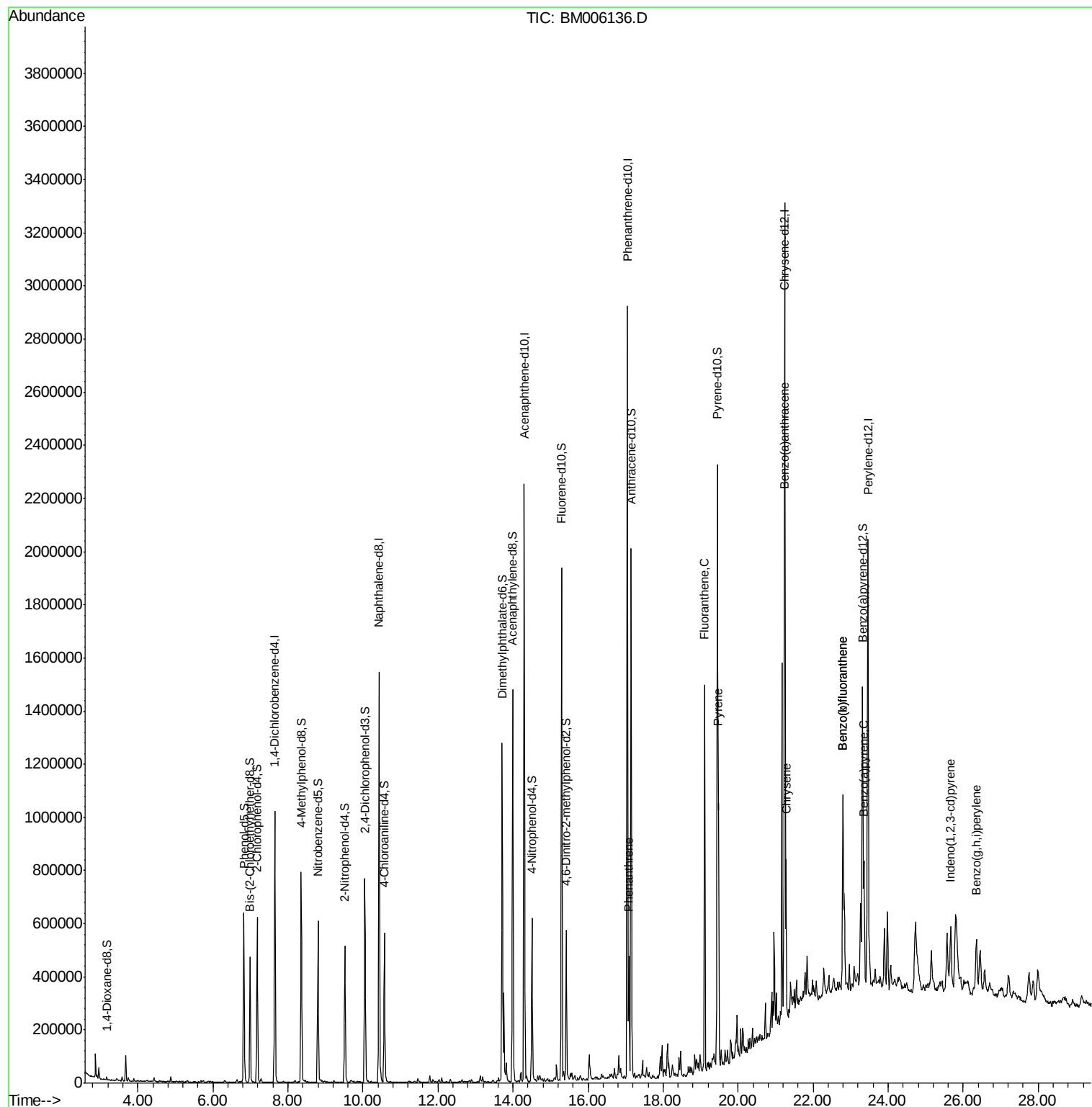
						Qvalue
25) Phenanthrene	17.09	178	271890	3.40	ng/ul	98
28) Fluoranthene	19.11	202	848169	8.65	ng/ul	100
31) Pyrene	19.47	202	651504	9.34	ng/ul	98
32) Benzo(a)anthracene	21.23	228	321979	4.68	ng/ul	95
33) Chrysene	21.28	228	339512	5.36	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	459946	7.05	ng/ul	97
36) Benzo(k)fluoranthene	22.80	252	459946	7.52	ng/ul	99
38) Benzo(a)pyrene	23.36	252	298694	4.85	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.67	276	236394	3.69	ng/ul#	92
41) Benzo(g,h,i)perylene	26.35	276	211991	3.96	ng/ul	98

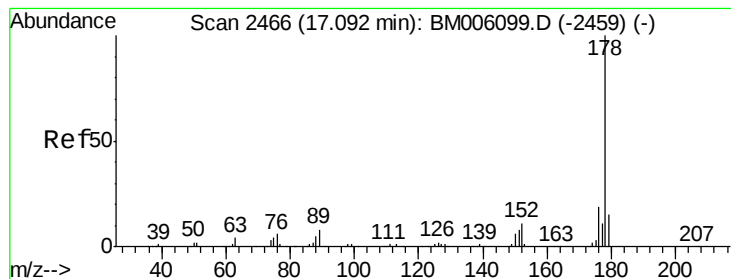
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.40 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

Instrument :

BNA_M

ClientSampleId :

D9YD6

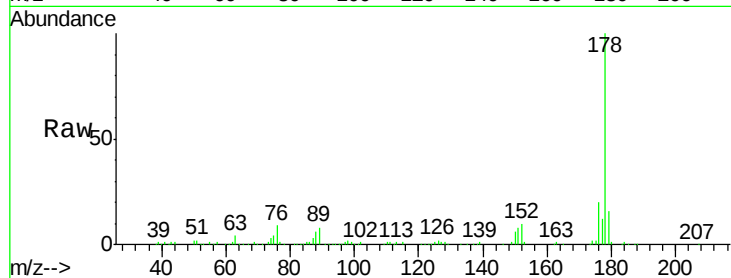
Tgt Ion:178 Resp: 271890

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

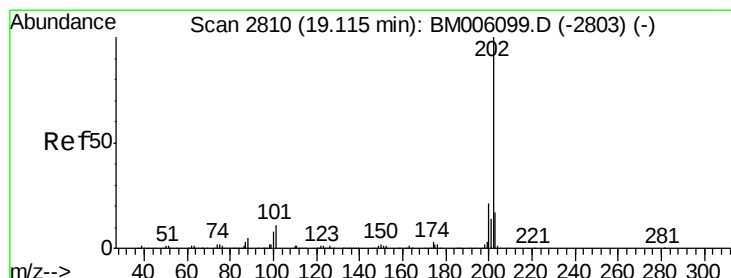
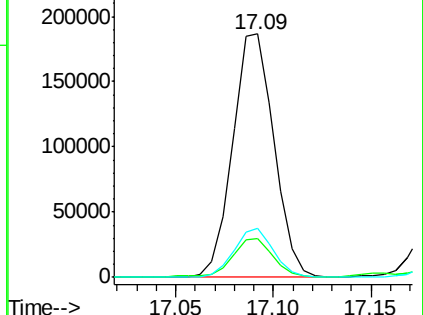
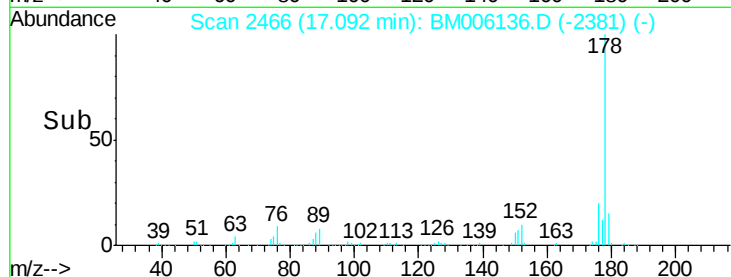
176 20.2 15.3 22.9



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: 8.65 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

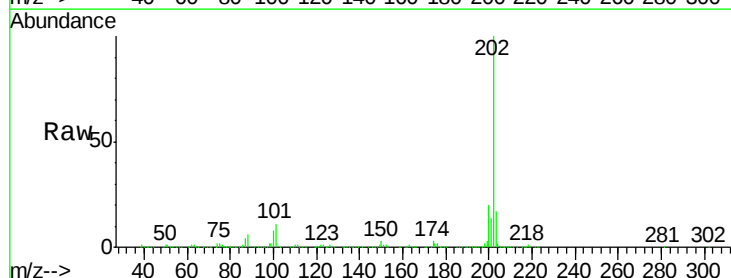
Tgt Ion:202 Resp: 848169

Ion Ratio Lower Upper

202 100

101 10.8 8.5 12.7

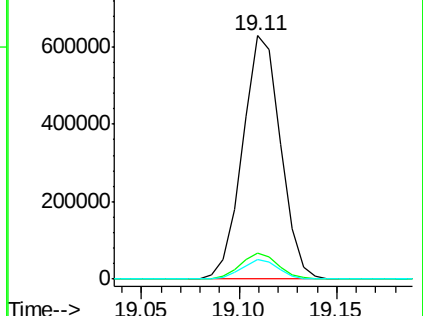
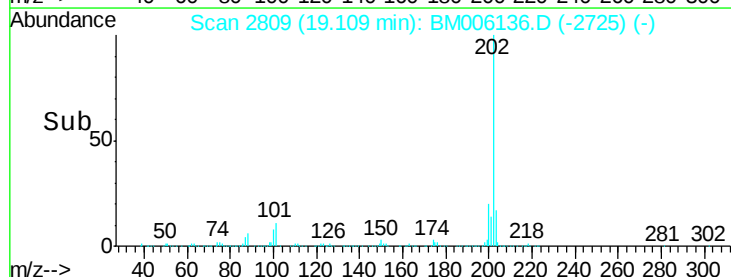
100 8.0 6.5 9.7

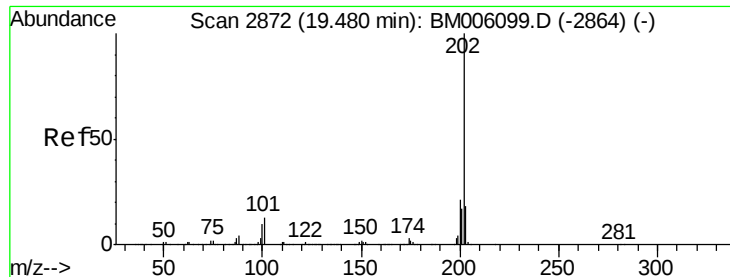


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

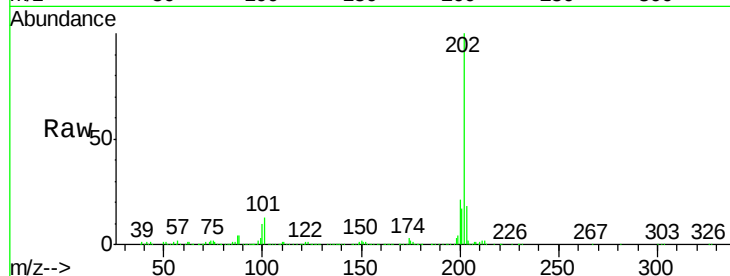




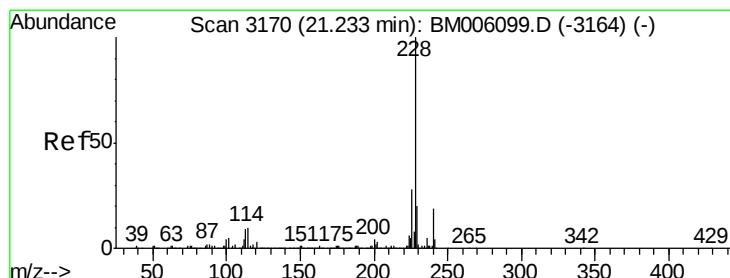
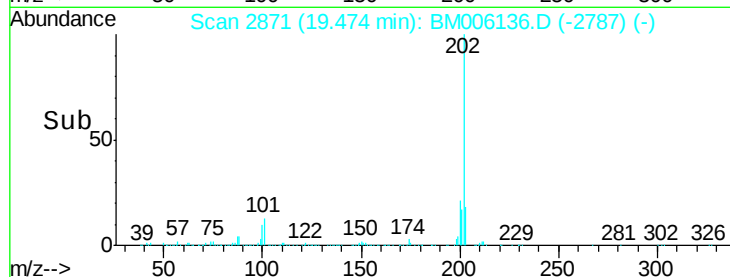
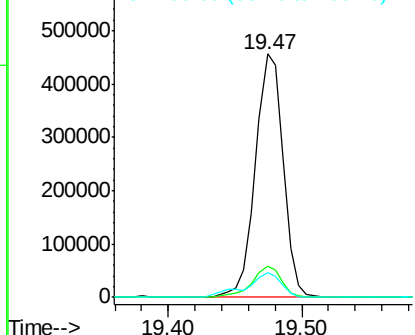
#31
 Pyrene
 Concen: 9.34 ng/ul
 RT: 19.47 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BM006136.D
 Acq: 29 Jun 2016 21:39

Instrument :
 BNA_M
 ClientSampleId :
 D9YD6

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	11.0	16.4
100	10.3	8.9	13.3

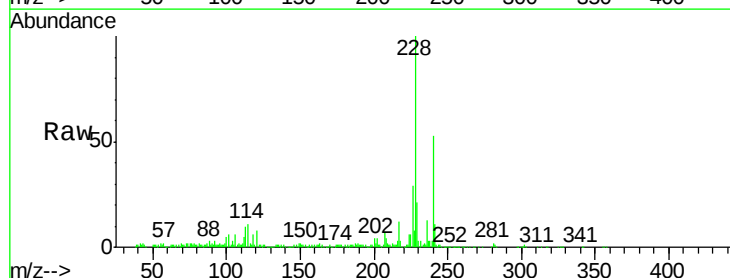


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

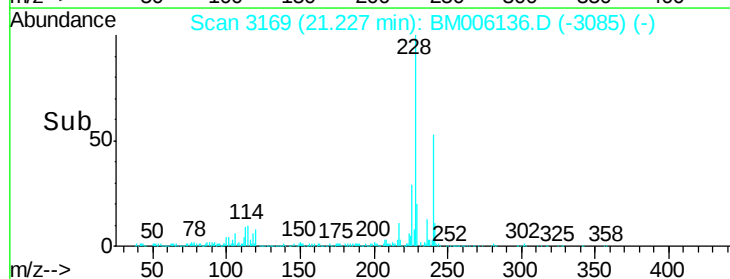
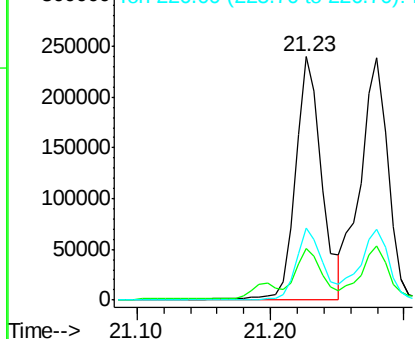


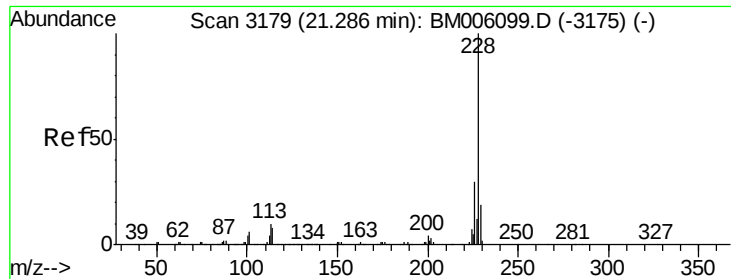
#32
 Benzo(a)anthracene
 Concen: 4.68 ng/ul
 RT: 21.23 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BM006136.D
 Acq: 29 Jun 2016 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.6	23.4
226	29.4	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: 5.36 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

Instrument :

BNA_M

ClientSampleId :

D9YD6

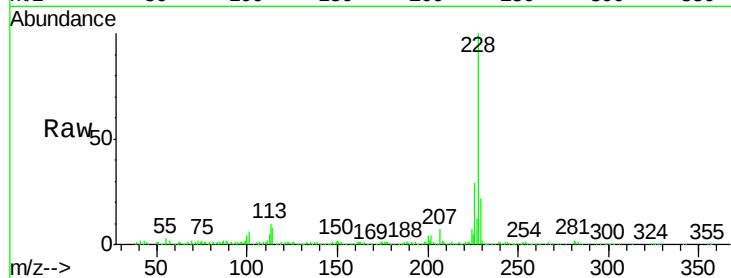
Tgt Ion:228 Resp: 339512

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

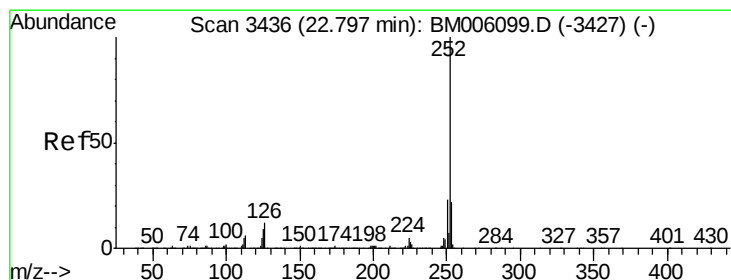
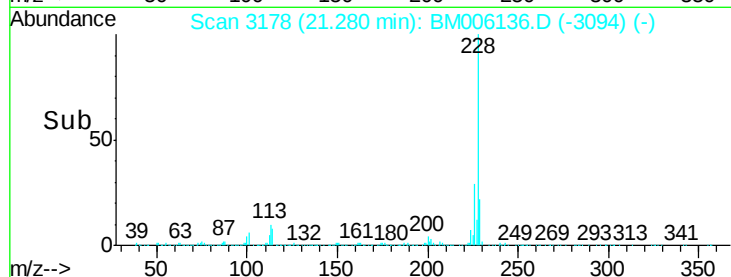
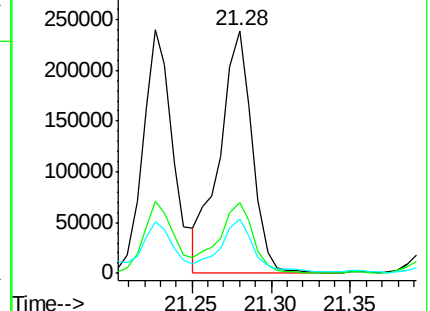
229 22.2 15.8 23.6



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: 7.05 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

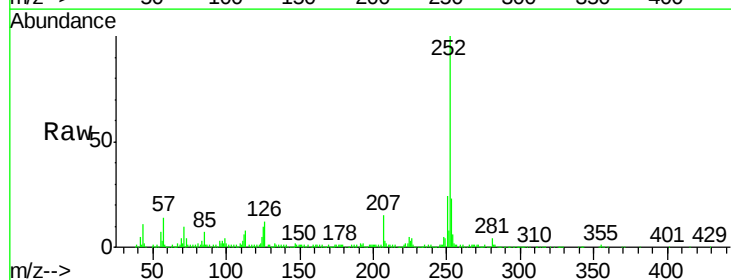
Tgt Ion:252 Resp: 459946

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

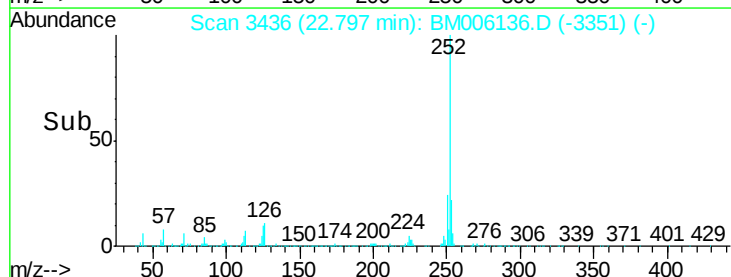
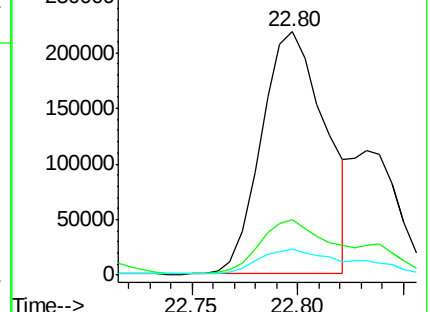
125 10.4 7.8 11.6

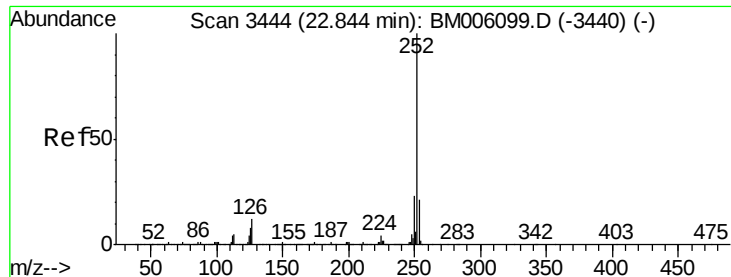


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 7.52 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

Instrument :

BNA_M

ClientSampleId :

D9YD6

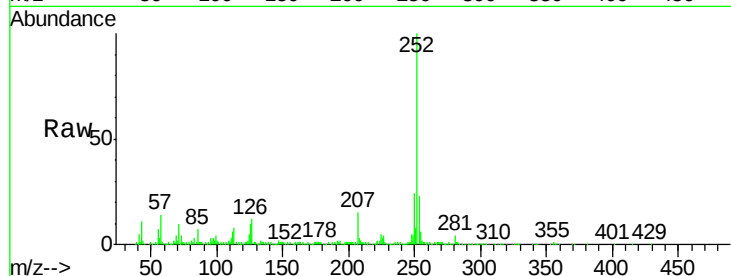
Tgt Ion:252 Resp: 459946

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

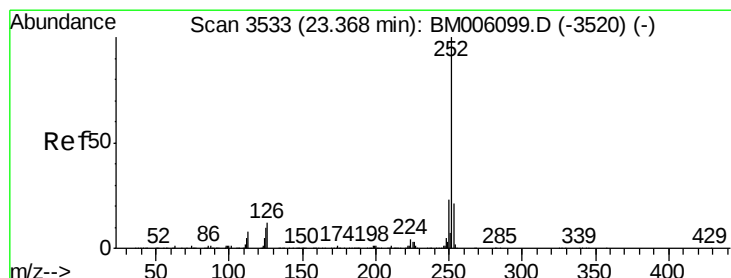
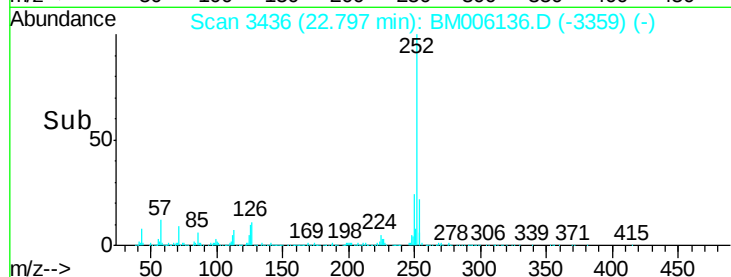
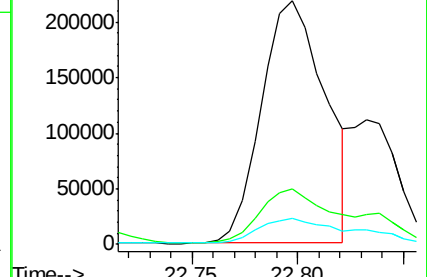
125 10.4 8.1 12.1



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



#38

Benzo(a)pyrene

Concen: 4.85 ng/ul

RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

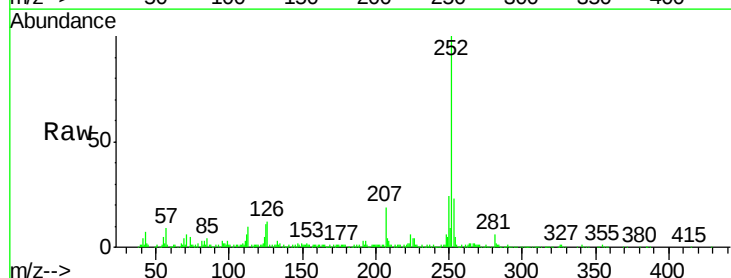
Tgt Ion:252 Resp: 298694

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

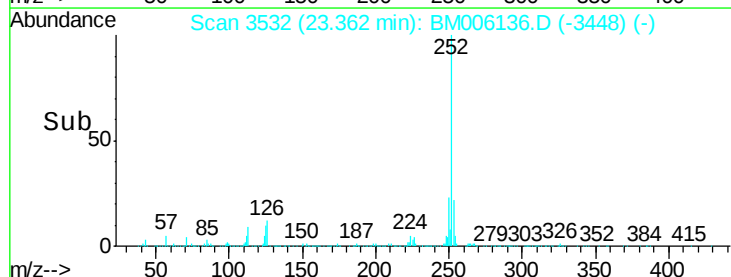
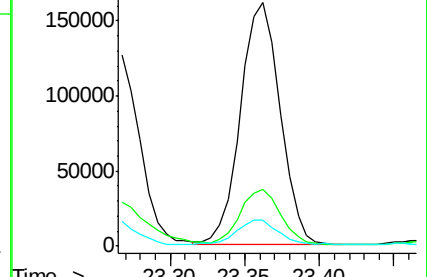
125 10.6 8.7 13.1

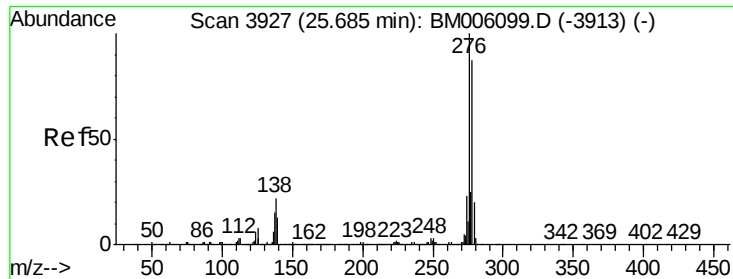


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.69 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

Instrument :

BNA_M

ClientSampleId :

D9YD6

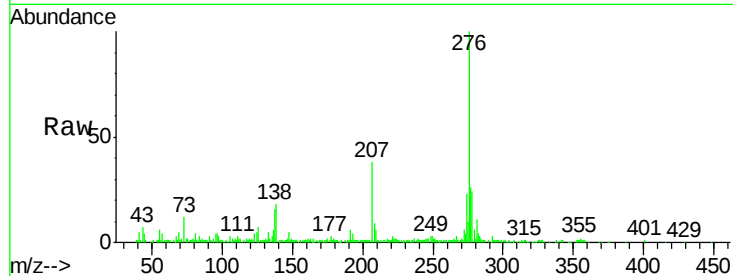
Tgt Ion:276 Resp: 236394

Ion Ratio Lower Upper

276 100

138 17.7 20.4 30.6#

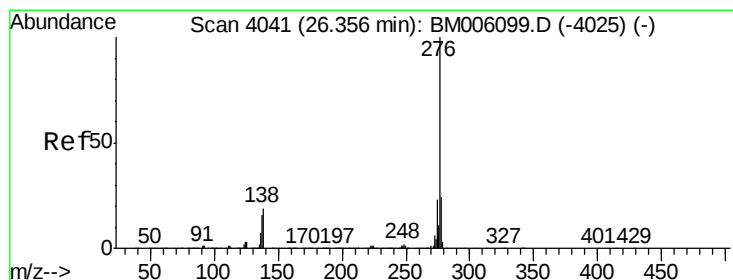
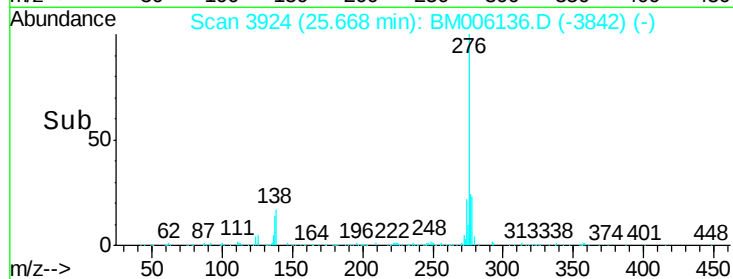
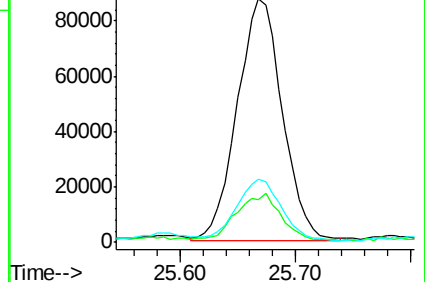
277 25.7 20.6 30.8



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: 3.96 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

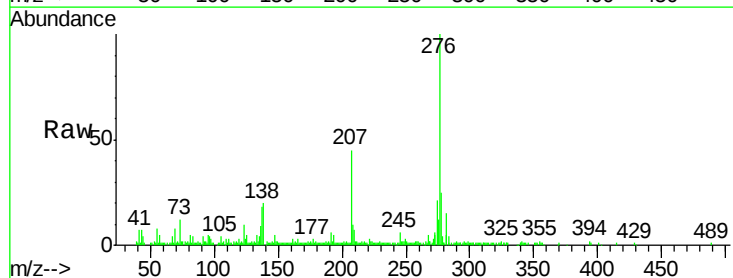
Tgt Ion:276 Resp: 211991

Ion Ratio Lower Upper

276 100

138 20.2 16.6 25.0

277 24.7 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

