

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006039.D
 Acq On : 26 Jun 2016 14:24
 Operator : UM/SJ
 Sample : H3669-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y72

Quant Time: Jun 27 05:33:17 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	259568	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1302609	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	854131	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	2107067	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	2365614	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	2259391	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	4530	0.78	ng/uL	0.00
3) Phenol-d5	6.83	99	257927	9.45	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	160480	10.56	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	196159	10.31	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	180505	7.83	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	104019	10.49	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	112692	10.21	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	225329	10.64	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	180952	7.88	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	794780	10.87	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	982119	11.58	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	104026	6.67	ng/ul	0.00
21) Fluorene-d10	15.30	176	736668	11.80	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	83219	7.11	ng/ul	0.00
26) Anthracene-d10	17.15	188	1176095	12.15	ng/ul	0.00
30) Pyrene-d10	19.45	212	1393681	13.45	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	1235626	12.11	ng/ul	0.00

Target Compounds

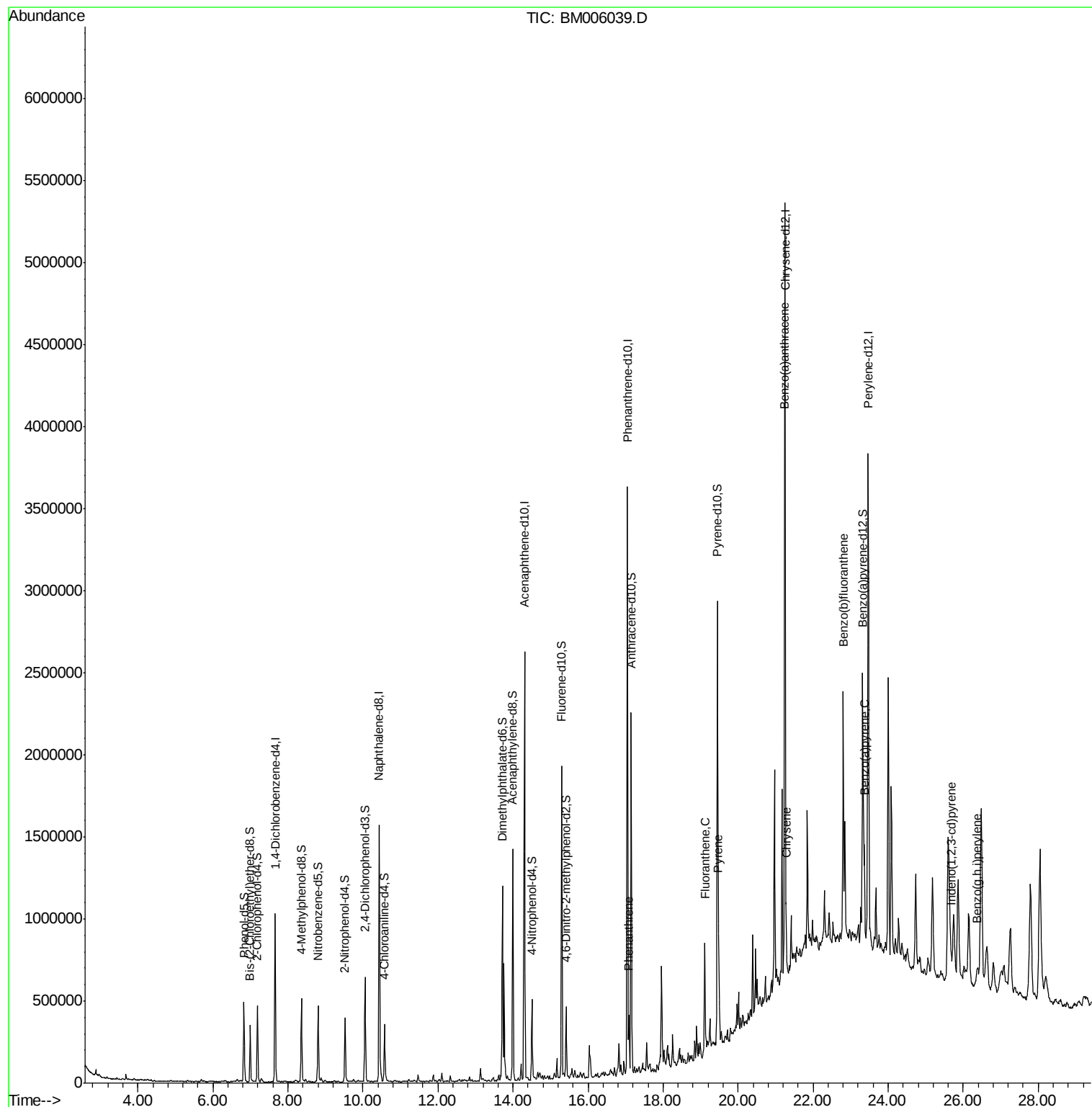
						Qvalue
25) Phenanthrene	17.09	178	204593	1.81	ng/ul	99
28) Fluoranthene	19.12	202	378797	2.61	ng/ul	99
31) Pyrene	19.48	202	321718	2.38	ng/ul	100
32) Benzo(a)anthracene	21.23	228	197281	1.40	ng/ul	94
33) Chrysene	21.29	228	250401	1.95	ng/ul#	95
35) Benzo(b)fluoranthene	22.80	252	357563	2.72	ng/ul#	89
38) Benzo(a)pyrene	23.37	252	202923	1.61	ng/ul#	93
39) Indeno(1,2,3-cd)pyrene	25.69	276	151503	1.01	ng/ul	98
41) Benzo(g,h,i)perylene	26.37	276	146480	1.13	ng/ul	94

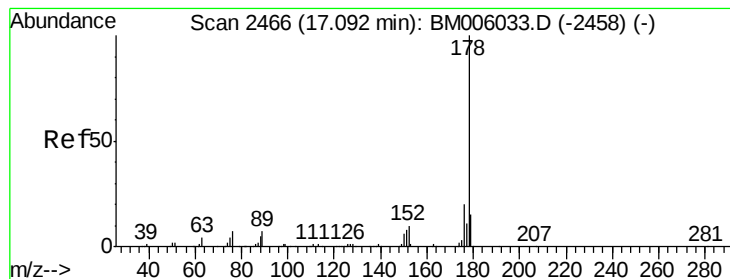
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 1.81 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006039.D

Acq: 26 Jun 2016 14:24

Instrument :

BNA_M

ClientSampleId :

D9Y72

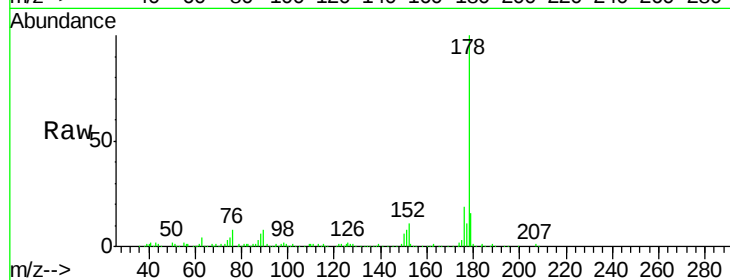
Tgt Ion:178 Resp: 204593

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

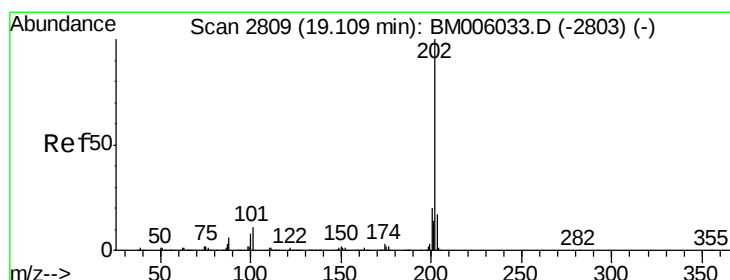
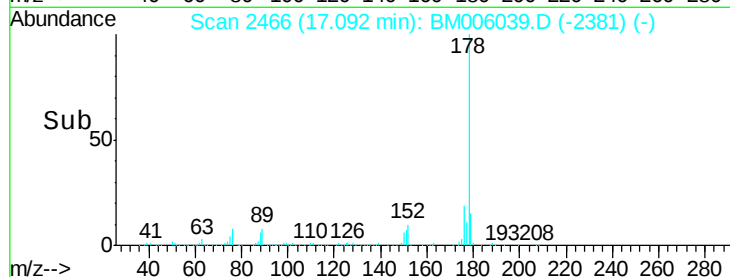
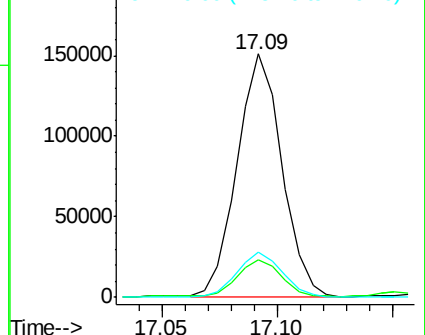
176 18.5 15.4 23.0



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



#28

Fluoranthene

Concen: 2.61 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM006039.D

Acq: 26 Jun 2016 14:24

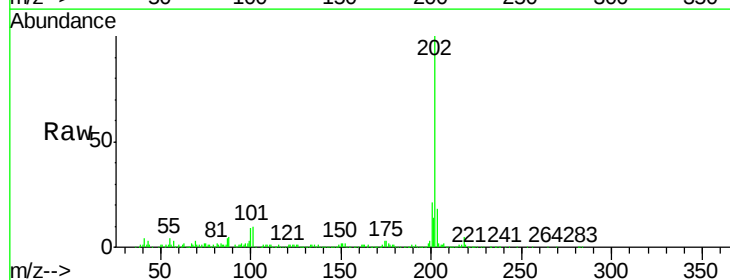
Tgt Ion:202 Resp: 378797

Ion Ratio Lower Upper

202 100

101 10.2 8.2 12.4

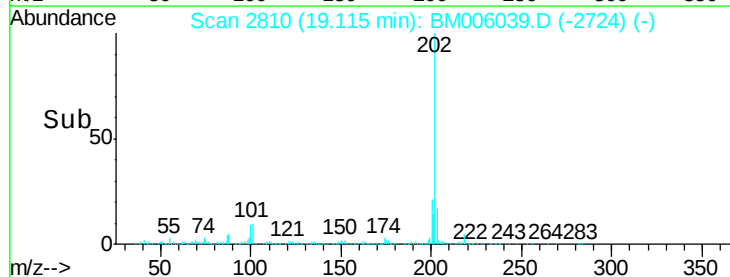
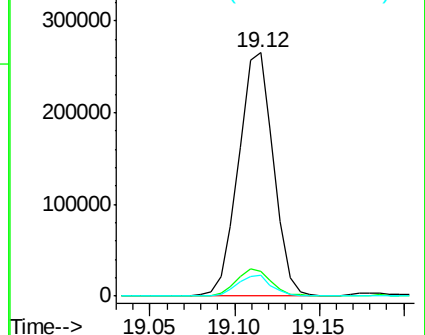
100 8.6 6.3 9.5

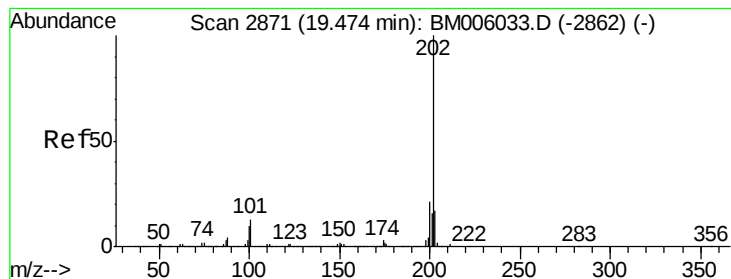


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 2.38 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. 0.01 min

Lab File: BM006039.D

Acq: 26 Jun 2016 14:24

Instrument :

BNA_M

ClientSampleId :

D9Y72

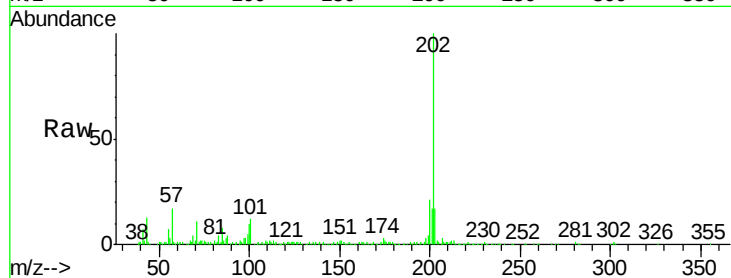
Tgt Ion:202 Resp: 321718

Ion Ratio Lower Upper

202 100

101 12.3 9.8 14.6

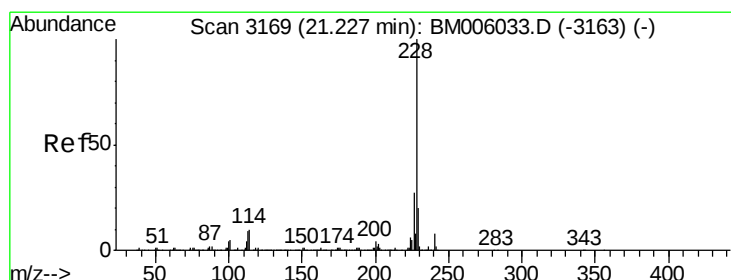
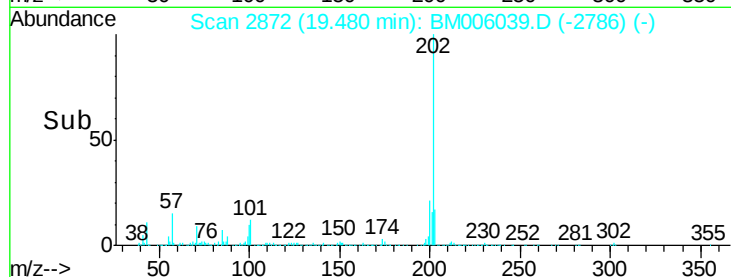
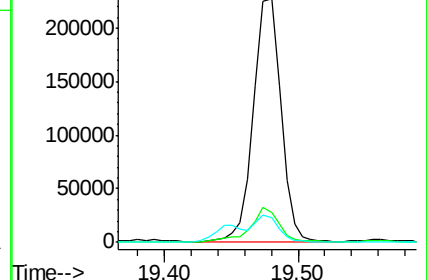
100 10.0 8.2 12.2



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: 1.40 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BM006039.D

Acq: 26 Jun 2016 14:24

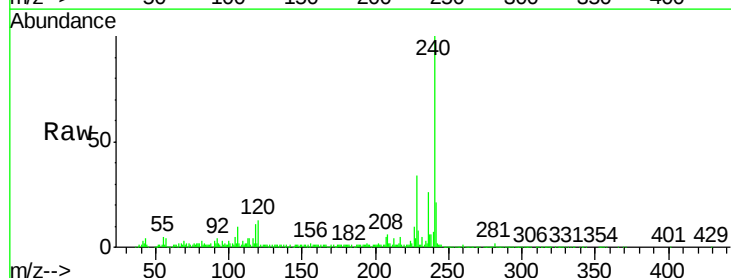
Tgt Ion:228 Resp: 197281

Ion Ratio Lower Upper

228 100

229 23.2 15.8 23.6

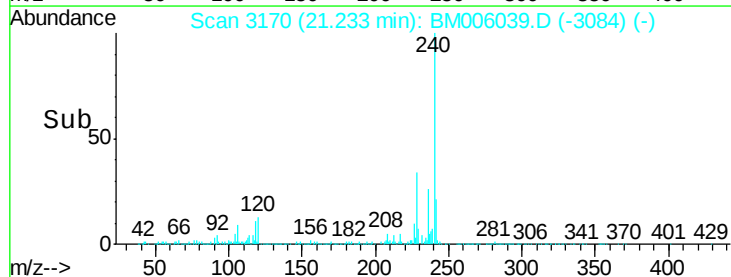
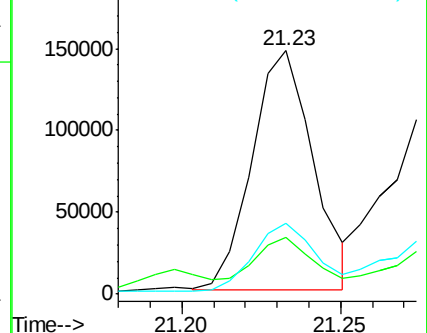
226 29.3 21.5 32.3

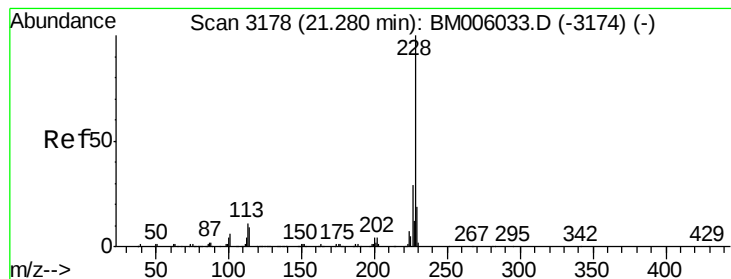


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 1.95 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.01 min

Lab File: BM006039.D

Acq: 26 Jun 2016 14:24

Instrument :

BNA_M

ClientSampleId :

D9Y72

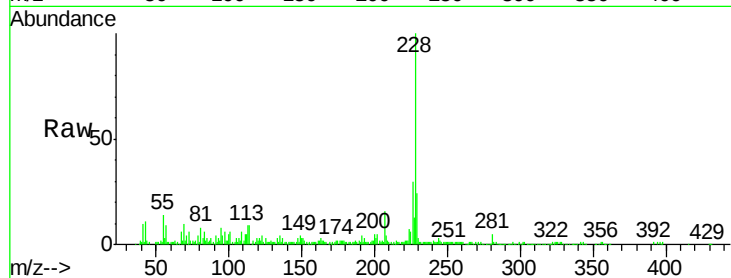
Tgt Ion:228 Resp: 250401

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

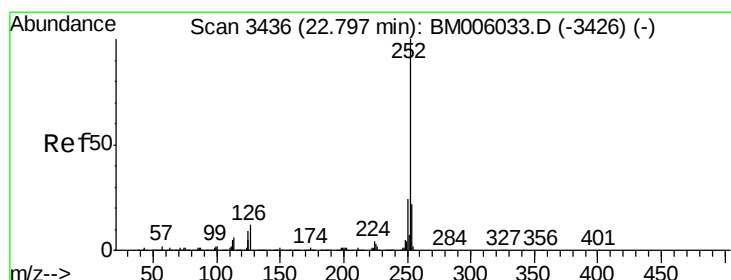
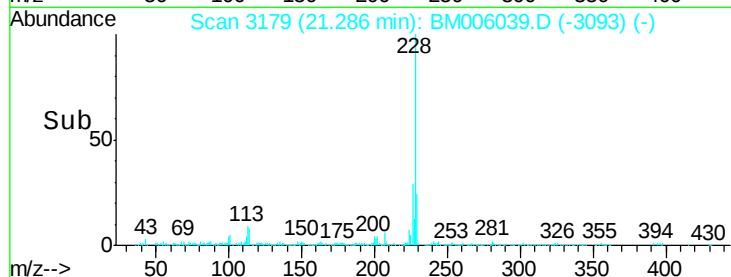
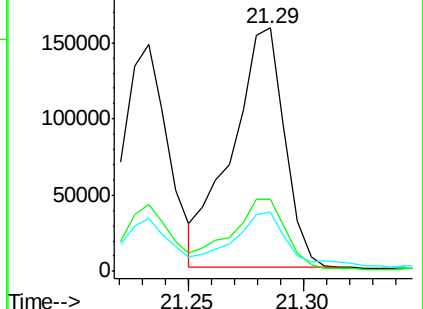
229 24.3 15.4 23.2#



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: 2.72 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BM006039.D

Acq: 26 Jun 2016 14:24

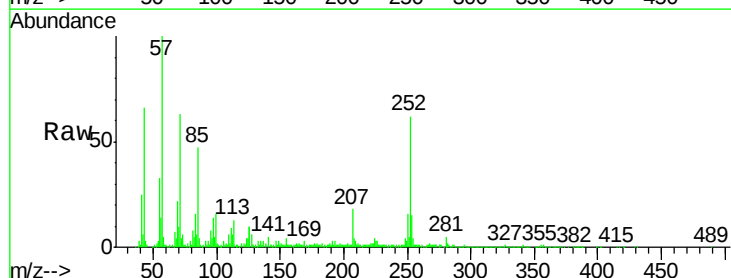
Tgt Ion:252 Resp: 357563

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

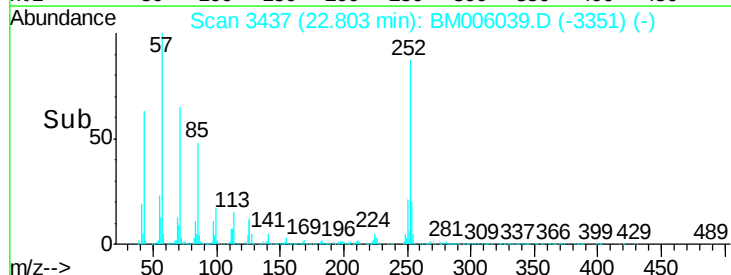
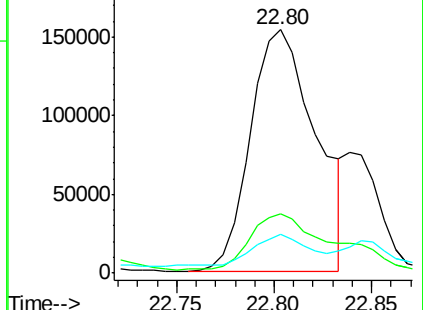
125 16.1 6.8 10.2#

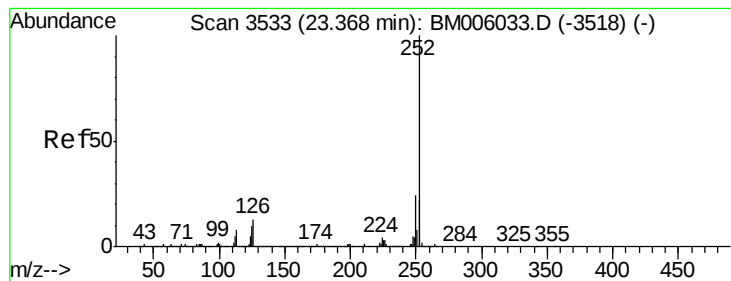


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.61 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BM006039.D

Acq: 26 Jun 2016 14:24

Instrument :

BNA_M

ClientSampleId :

D9Y72

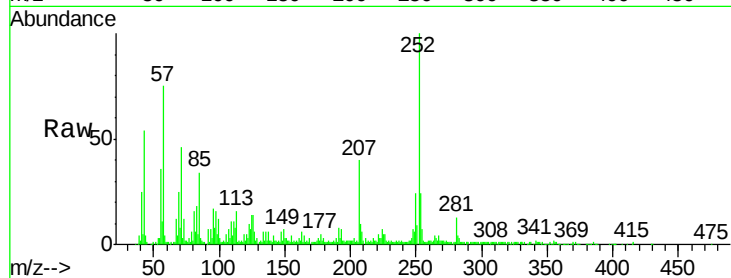
Tgt Ion:252 Resp: 202923

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

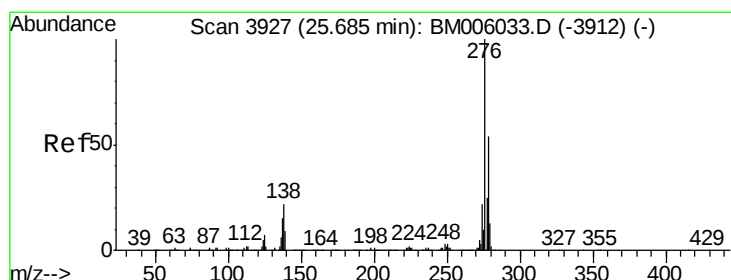
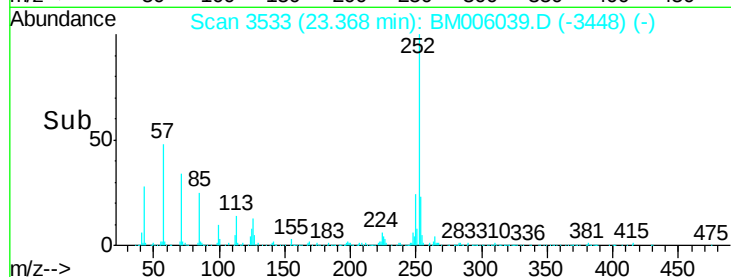
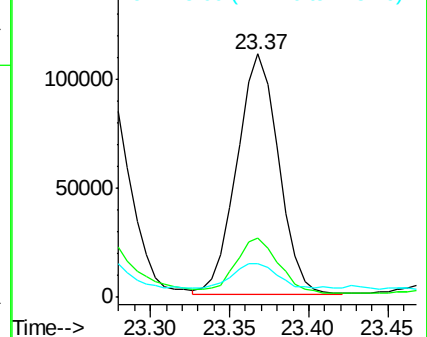
125 13.7 7.8 11.6#



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: 1.01 ng/ul

RT: 25.69 min Scan# 3927

Delta R.T. 0.00 min

Lab File: BM006039.D

Acq: 26 Jun 2016 14:24

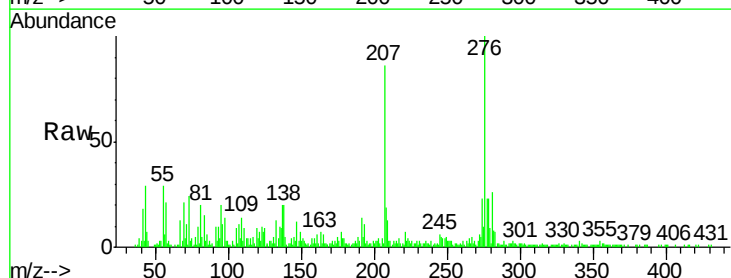
Tgt Ion:276 Resp: 151503

Ion Ratio Lower Upper

276 100

138 19.8 16.6 25.0

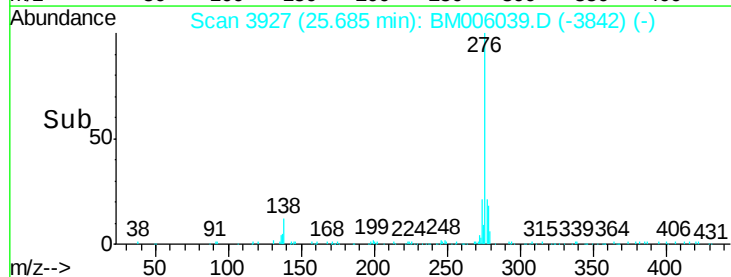
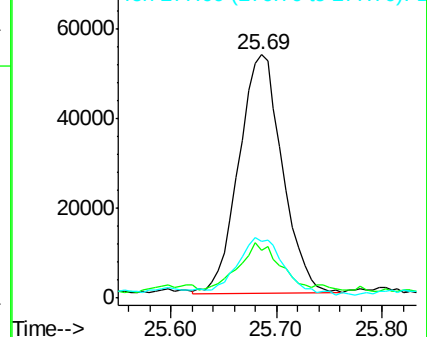
277 23.1 19.6 29.4

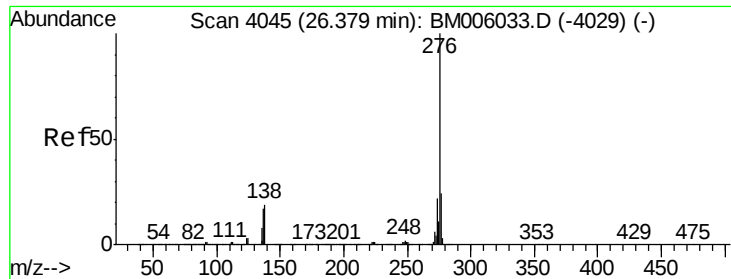


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.13 ng/ul

RT: 26.37 min Scan# 4043

Delta R.T. -0.01 min

Lab File: BM006039.D

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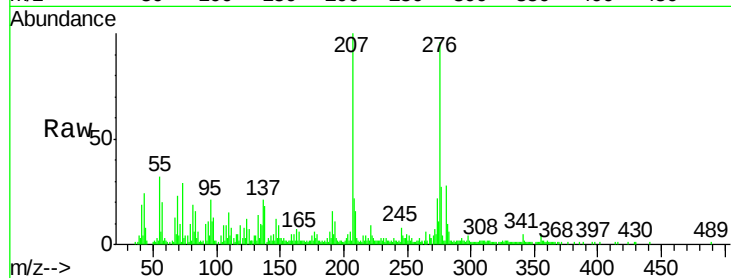
Tgt Ion: 276 Resp: 146480

Ion Ratio Lower Upper

276 100

138 18.4 15.9 23.9

277 28.1 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

