

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006041.D
 Acq On : 26 Jun 2016 15:36
 Operator : UM/SJ
 Sample : H3669-21MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y73MS

Quant Time: Jun 27 05:16:39 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	204650	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1004324	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	647950	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1623027	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1928130	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1832682	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.18	96	6107	1.33	ng/uL	0.00
3) Phenol-d5	6.83	99	290720	13.50	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	177598	14.83	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	225460	15.04	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	181795	10.00	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	119687	15.65	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	127753	15.02	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	252266	15.46	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	218652	12.35	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	870207	15.69	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1103419	17.15	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	146636	12.39	ng/ul	0.00
21) Fluorene-d10	15.30	176	814400	17.19	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	100474	11.15	ng/ul	0.00
26) Anthracene-d10	17.15	188	1344524	18.04	ng/ul	0.00
30) Pyrene-d10	19.45	212	1617887	19.16	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	1525107	18.43	ng/ul	0.00

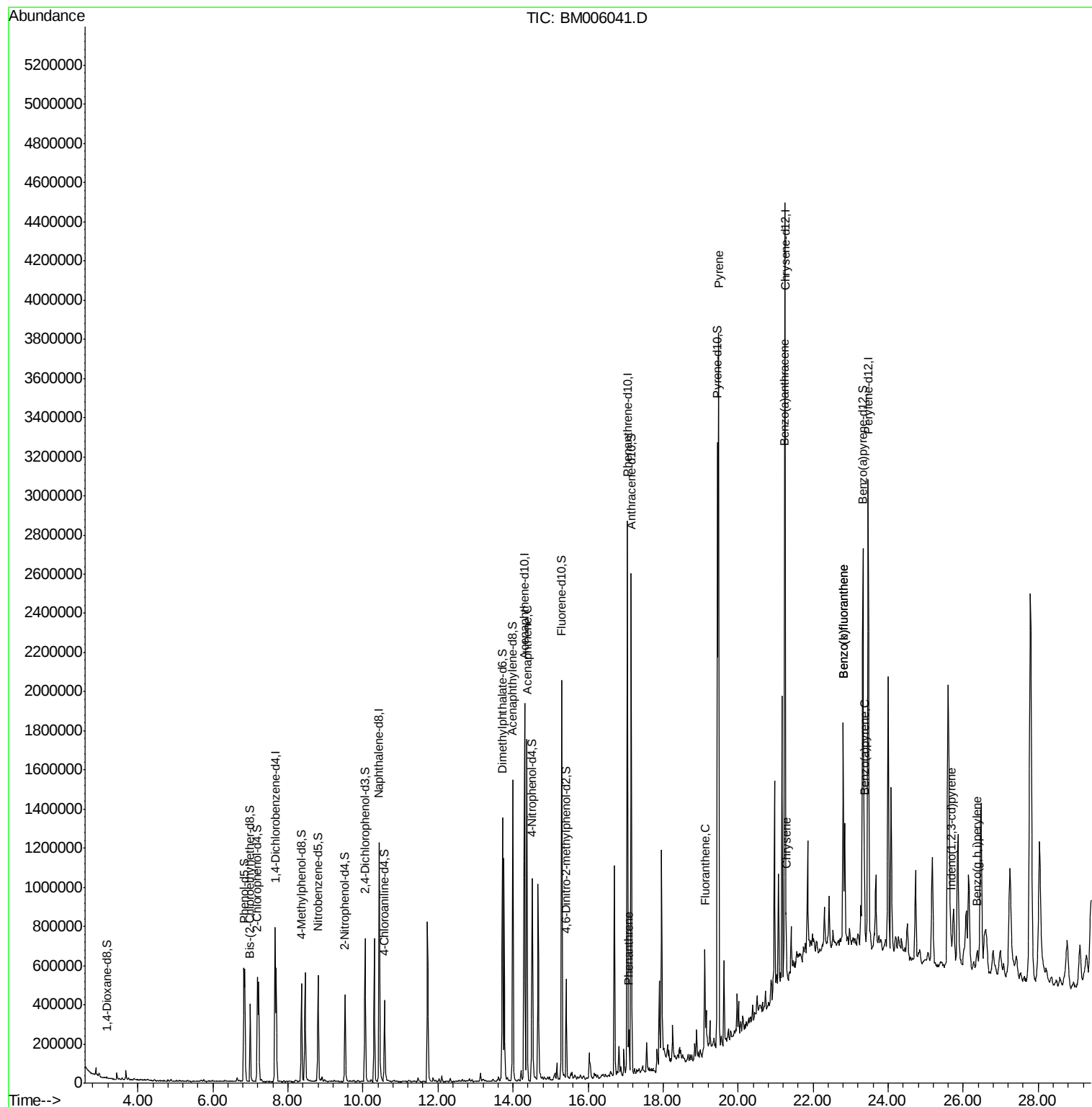
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Acenaphthene	14.37	153	691244	16.04	ng/ul	99
25) Phenanthrene	17.09	178	122588	1.40	ng/ul	97
28) Fluoranthene	19.12	202	279070	2.50	ng/ul	99
31) Pyrene	19.48	202	2128062	19.28	ng/ul	99
32) Benzo(a)anthracene	21.23	228	166306	1.45	ng/ul	96
33) Chrysene	21.29	228	213637	2.04	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	315297	2.96	ng/ul#	92
36) Benzo(k)fluoranthene	22.80	252	315297	3.18	ng/ul#	92
38) Benzo(a)pyrene	23.37	252	177334	1.74	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.69	276	131530	1.08	ng/ul	98
41) Benzo(g,h,i)perylene	26.37	276	126243	1.20	ng/ul	96

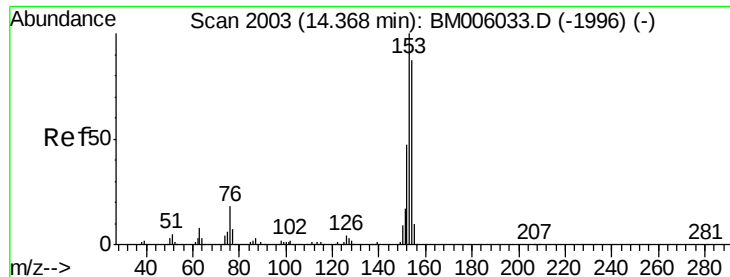
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

Acenaphthene

Concen: 16.04 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

Instrument :

BNA_M

ClientSampleId :

D9Y73MS

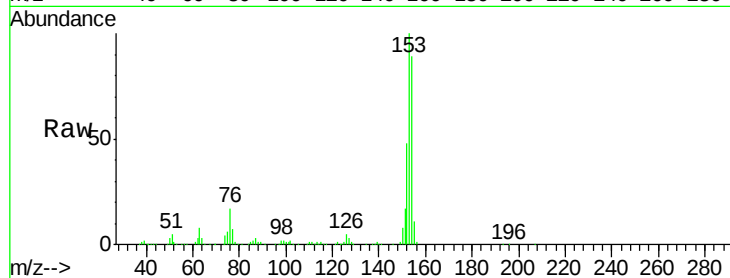
Tgt Ion:153 Resp: 691244

Ion Ratio Lower Upper

153 100

152 47.9 38.6 57.8

154 89.2 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

14.37

400000

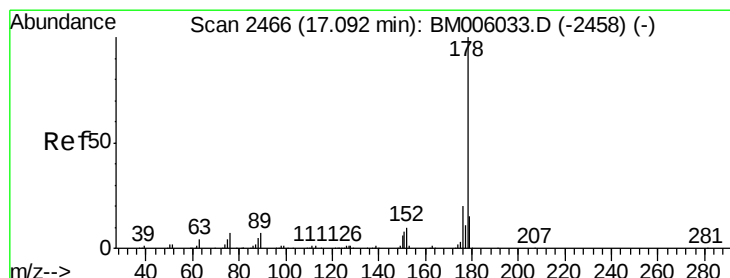
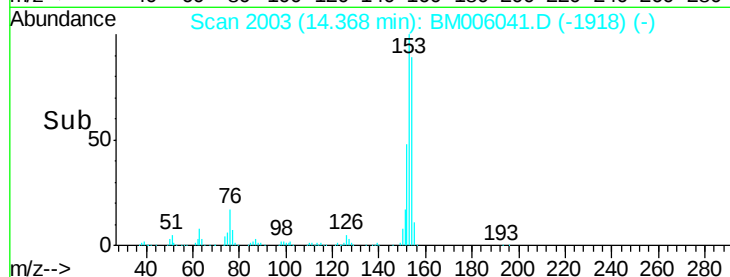
300000

200000

100000

0

Time-->



#25

Phenanthrene

Concen: 1.40 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

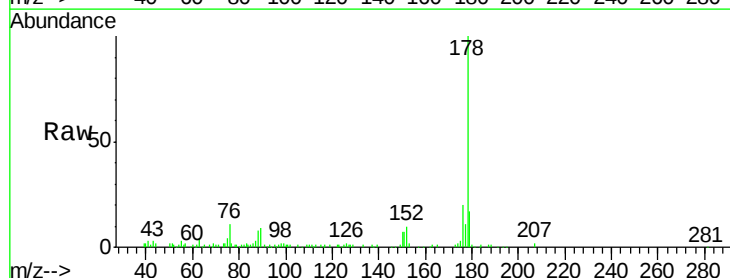
Tgt Ion:178 Resp: 122588

Ion Ratio Lower Upper

178 100

179 17.2 12.1 18.1

176 19.9 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

17.09

120000

100000

80000

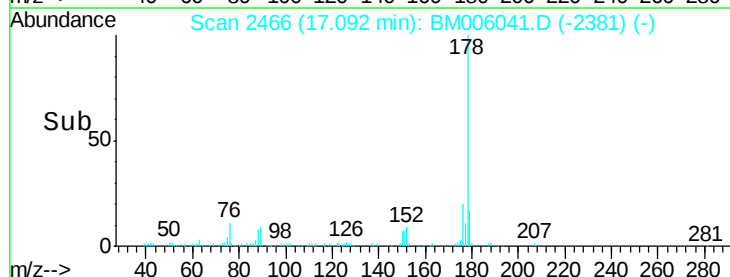
60000

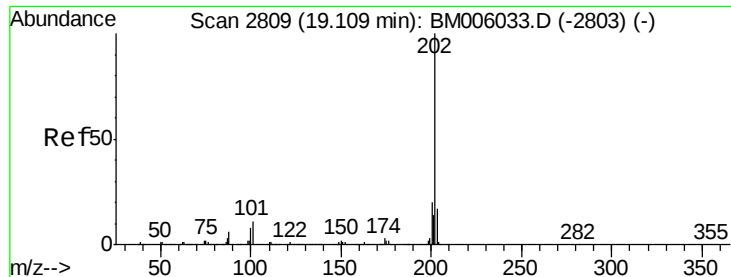
40000

20000

0

Time-->

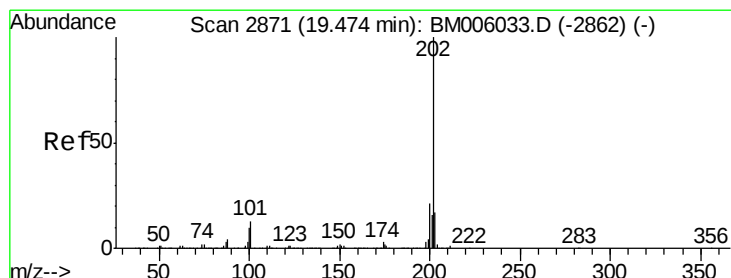
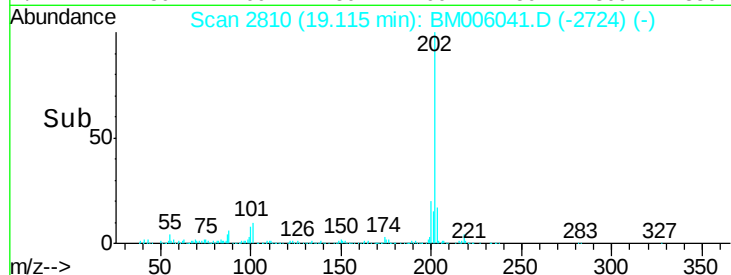
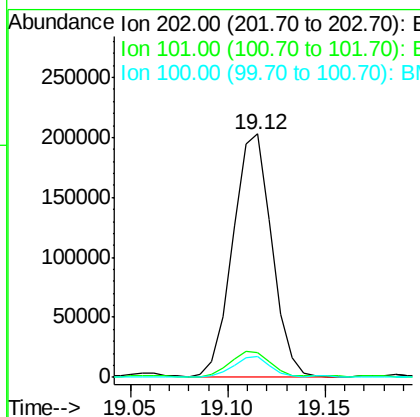
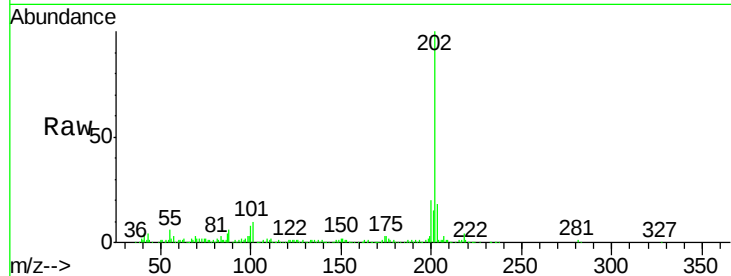




#28
Fluoranthene
Concen: 2.50 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. 0.01 min
Lab File: BM006041.D
Acq: 26 Jun 2016 15:36

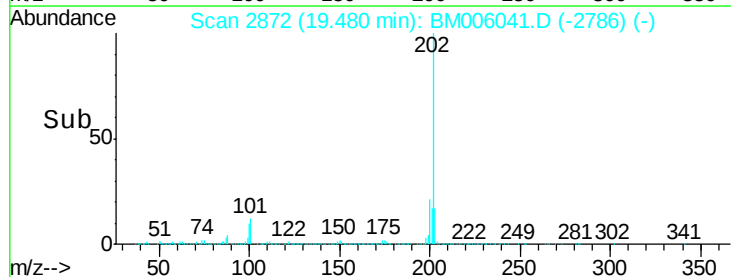
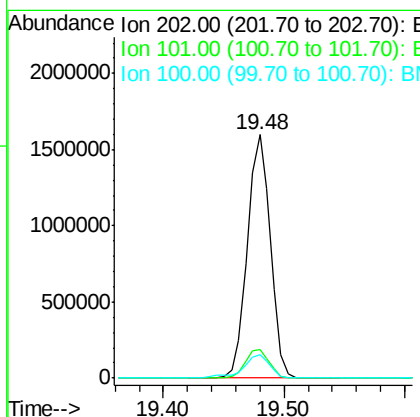
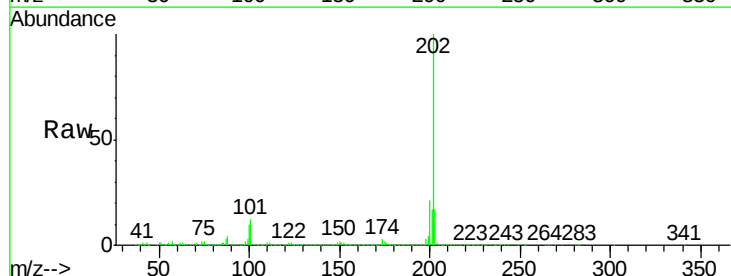
Instrument :
BNA_M
ClientSampleId :
D9Y73MS

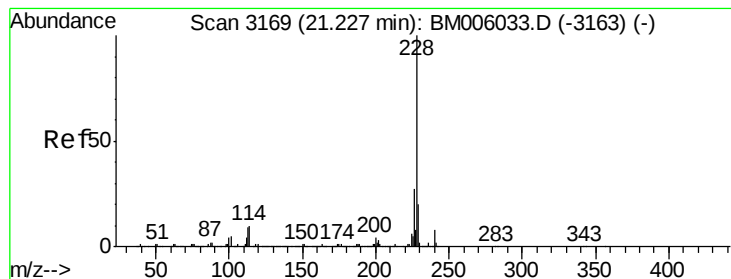
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.2	12.4
100	8.5	6.3	9.5



#31
Pyrene
Concen: 19.28 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. 0.01 min
Lab File: BM006041.D
Acq: 26 Jun 2016 15:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.8	14.6
100	9.6	8.2	12.2





#32

Benzo(a)anthracene

Concen: 1.45 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

Instrument :

BNA_M

ClientSampleId :

D9Y73MS

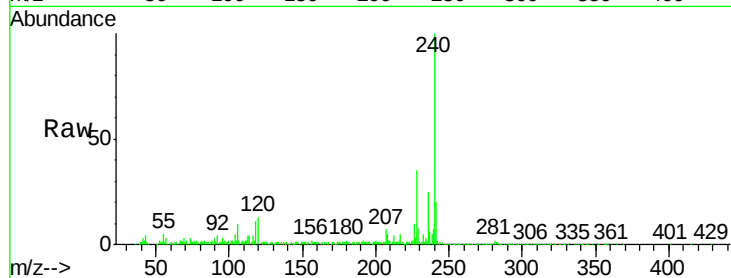
Tgt Ion:228 Resp: 166306

Ion Ratio Lower Upper

228 100

229 23.3 15.8 23.6

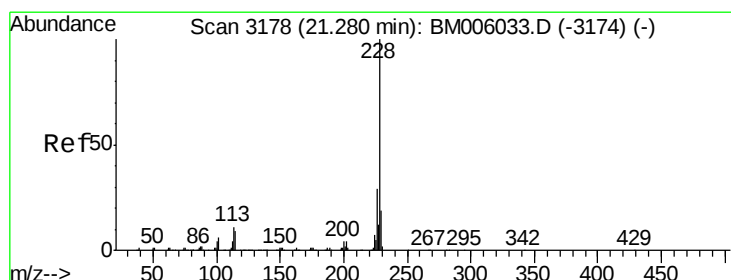
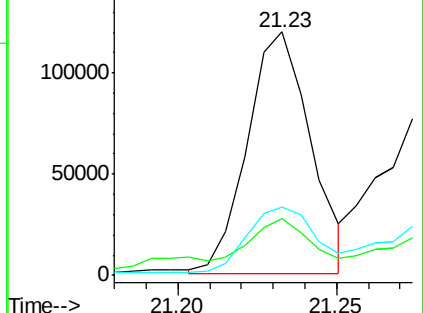
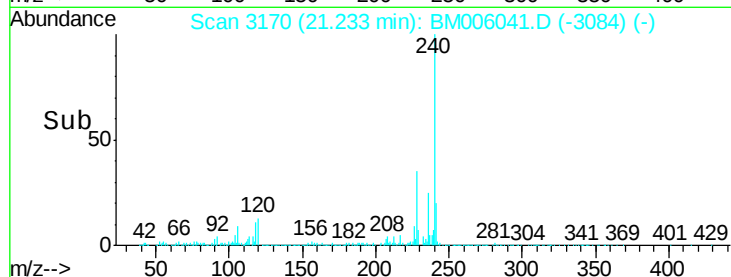
226 27.9 21.5 32.3



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: 2.04 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.01 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

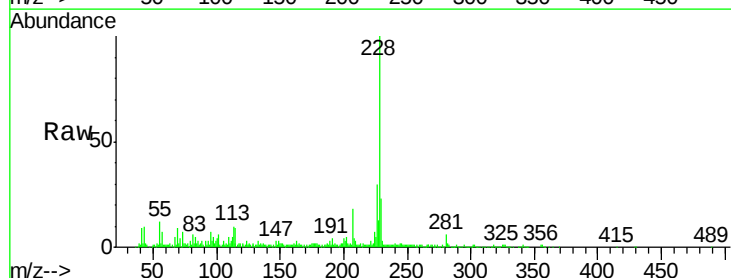
Tgt Ion:228 Resp: 213637

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

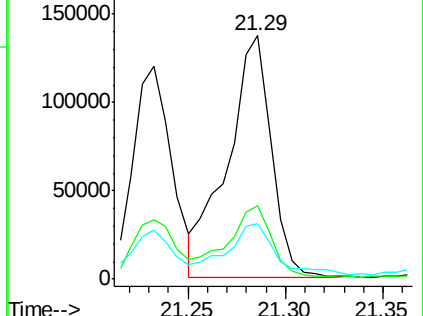
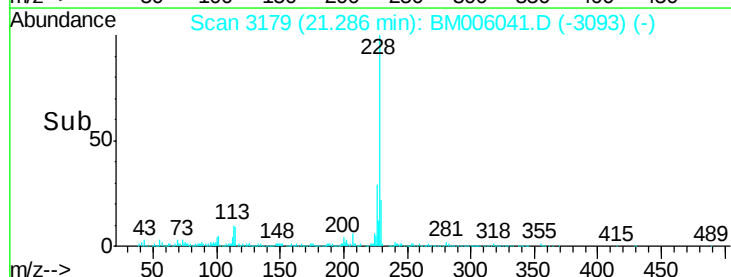
229 22.6 15.4 23.2

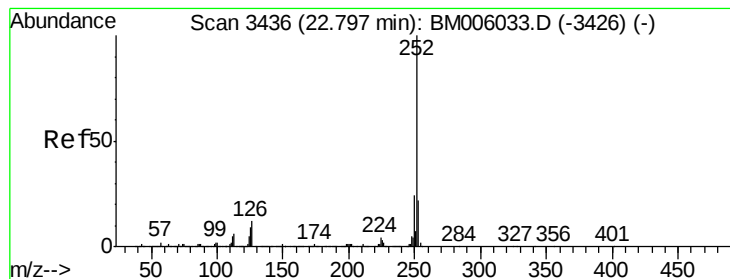


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 2.96 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

Instrument :

BNA_M

ClientSampleId :

D9Y73MS

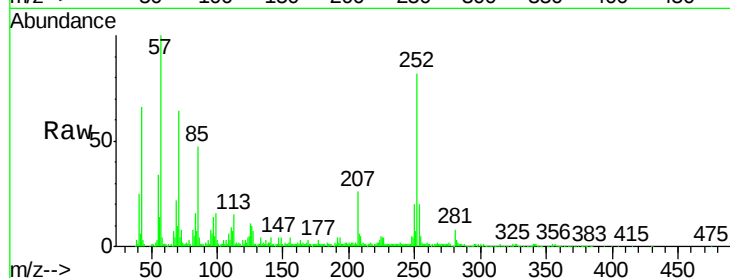
Tgt Ion:252 Resp: 315297

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

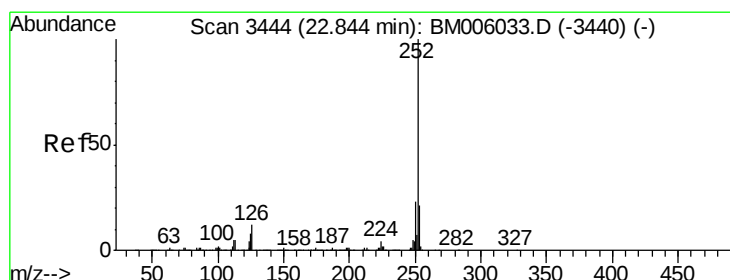
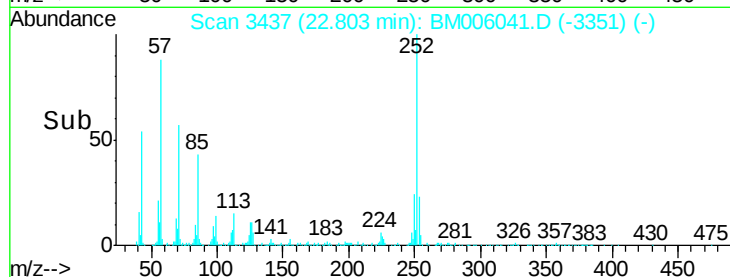
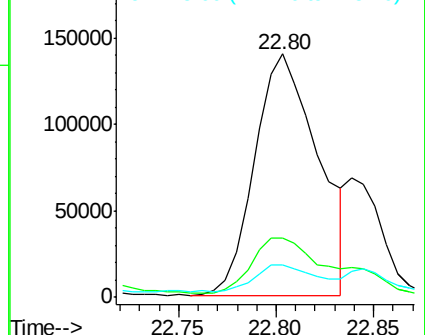
125 13.1 6.8 10.2#



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



#36

Benzo(k)fluoranthene

Concen: 3.18 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.04 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

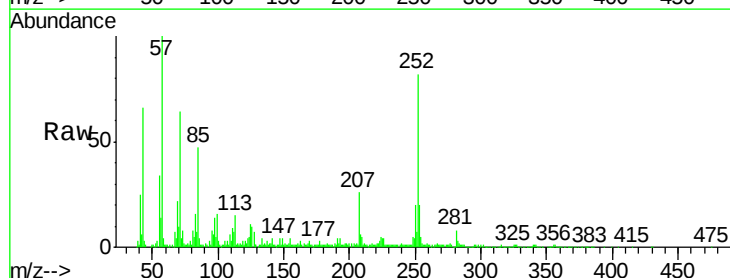
Tgt Ion:252 Resp: 315297

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

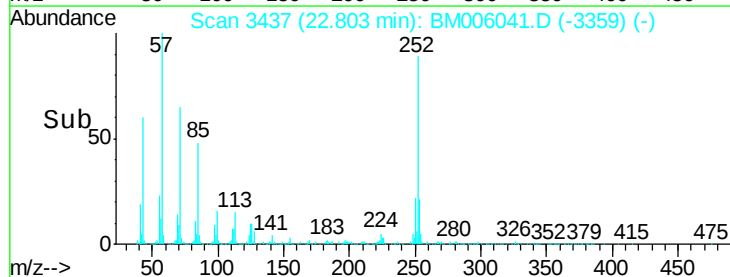
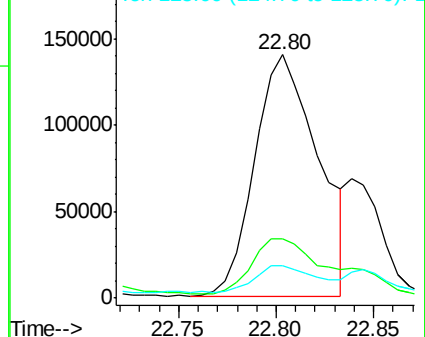
125 13.1 7.0 10.4#

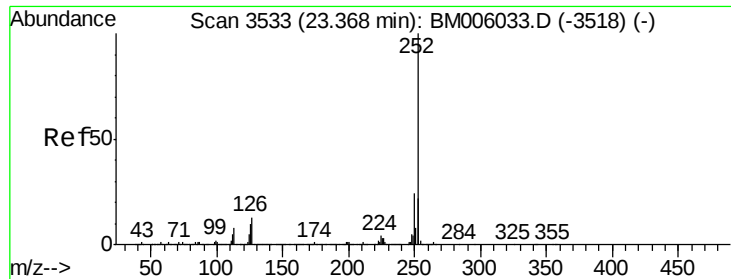


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.74 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

Instrument :

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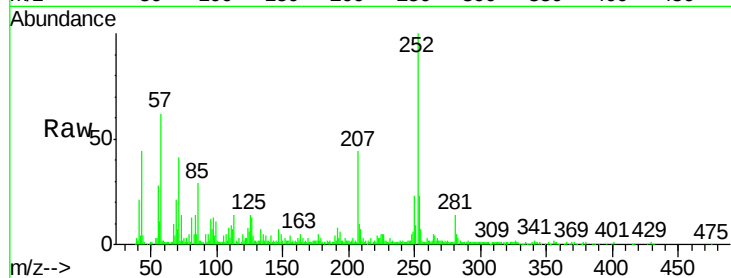
Tgt Ion:252 Resp: 177334

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

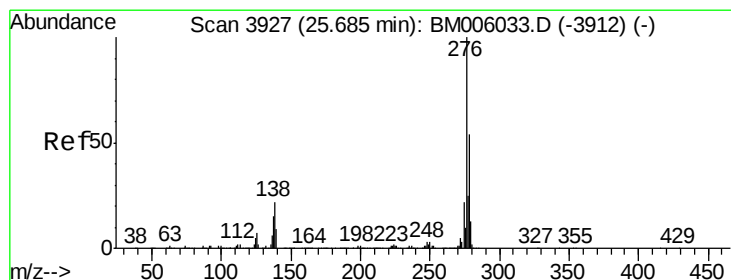
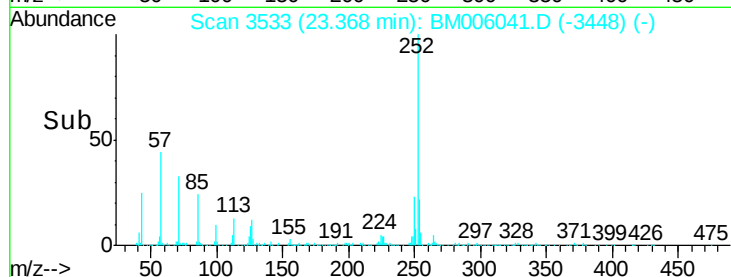
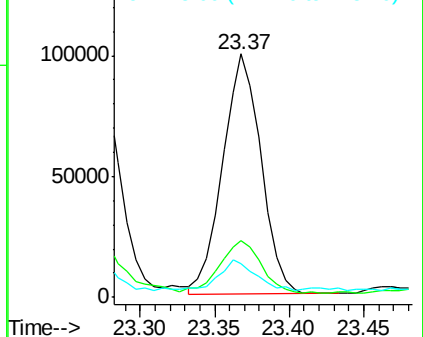
125 13.9 7.8 11.6#



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: 1.08 ng/ul

RT: 25.69 min Scan# 3927

Delta R.T. 0.00 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

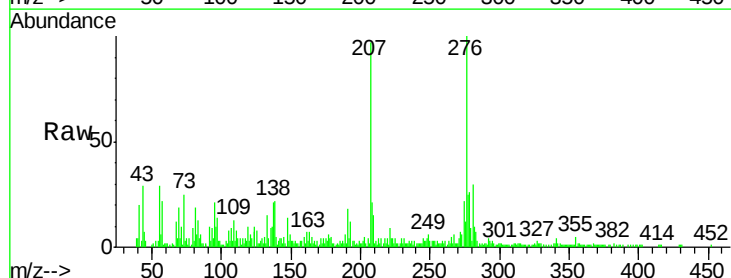
Tgt Ion:276 Resp: 131530

Ion Ratio Lower Upper

276 100

138 22.0 16.6 25.0

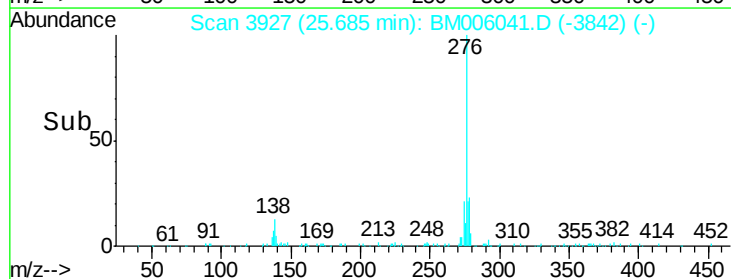
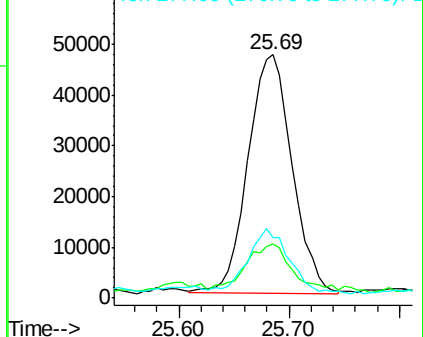
277 24.8 19.6 29.4

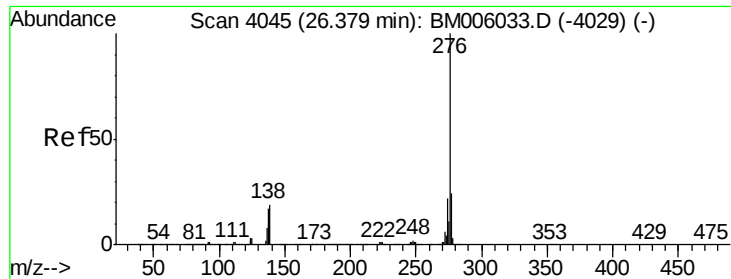


Abundance Ion 276.00 (275.70 to 276.70): E

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: 26.37 min Scan# 4043

Delta R.T. -0.01 min

Lab File: BM006041.D

Acq: 26 Jun 2016 15:36

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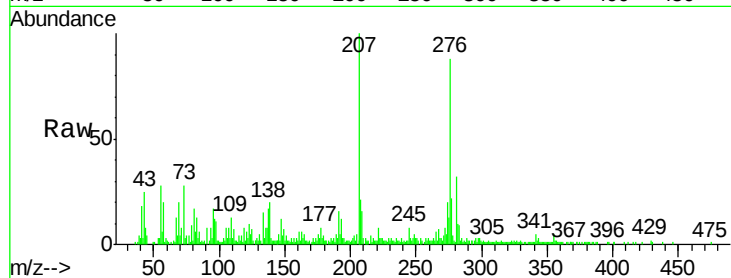
Tgt Ion: 276 Resp: 126243

Ion Ratio Lower Upper

276 100

138 22.9 15.9 23.9

277 25.3 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

