

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006068.D
 Acq On : 27 Jun 2016 12:57
 Operator : UM/SJ
 Sample : H3669-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y56

Quant Time: Jun 28 02:12:09 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	156146	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	856675	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	604987	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1547427	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1782997	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1647003	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	2290	0.65	ng/uL	0.00
3) Phenol-d5	6.83	99	113799	6.93	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	81102	8.87	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	91955	8.04	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	71966	5.19	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	41757	6.40	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	37601	5.18	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	105352	7.57	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	99292	6.57	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	428472	8.27	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	557819	9.29	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	33909	3.07	ng/ul	-0.02
21) Fluorene-d10	15.30	176	422453	9.55	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	16052	1.87	ng/ul	-0.01
26) Anthracene-d10	17.16	188	683947	9.62	ng/ul	0.00
30) Pyrene-d10	19.46	212	836072	10.70	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	702602	9.45	ng/ul	0.00

Target Compounds

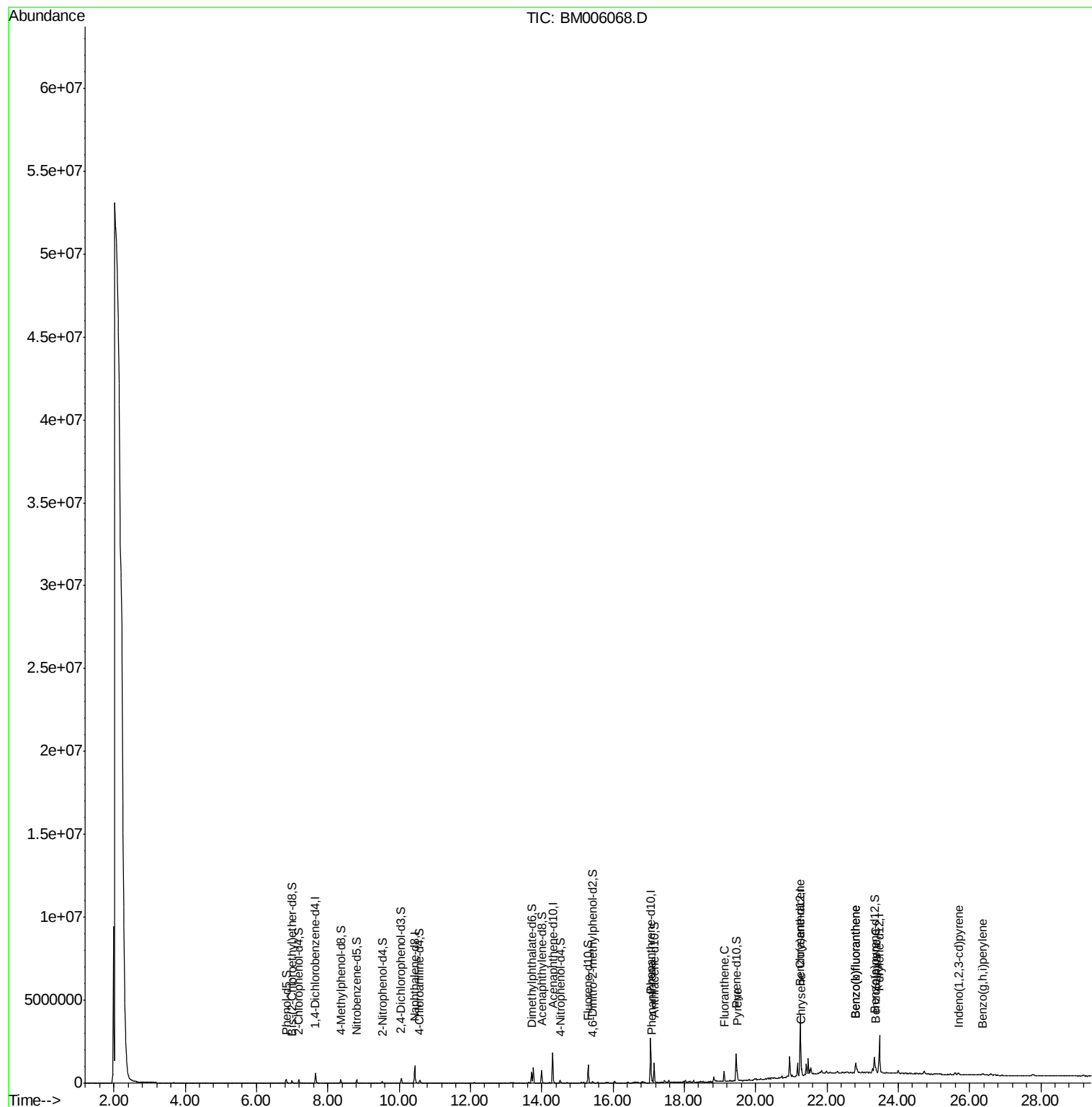
						Qvalue
25) Phenanthrene	17.10	178	93301	1.12	ng/ul	97
28) Fluoranthene	19.12	202	359498	3.37	ng/ul	99
31) Pyrene	19.49	202	325266	3.19	ng/ul	98
32) Benzo(a)anthracene	21.24	228	159385	1.50	ng/ul	98
33) Chrysene	21.29	228	271162	2.80	ng/ul	98
35) Benzo(b)fluoranthene	22.81	252	402494	4.21	ng/ul	96
36) Benzo(k)fluoranthene	22.81	252	402494	4.52	ng/ul	97
38) Benzo(a)pyrene	23.37	252	170915	1.86	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.69	276	133902	1.22	ng/ul	97
41) Benzo(g,h,i)perylene	26.37	276	124507	1.32	ng/ul	98

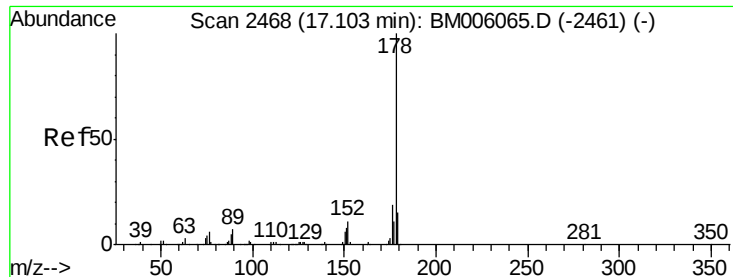
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.12 ng/ul

RT: 17.10 min Scan# 2705

Delta R.T. -0.01 min

Lab File: BM006068.D

Acq: 27 Jun 2016 12:57

Instrument :

BNA_M

ClientSampleId :

D9Y56

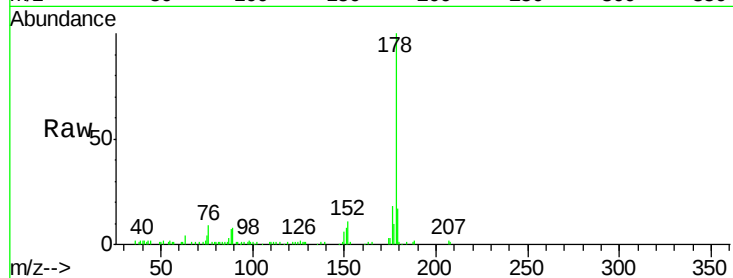
Tgt Ion:178 Resp: 93301

Ion Ratio Lower Upper

178 100

179 16.6 12.2 18.2

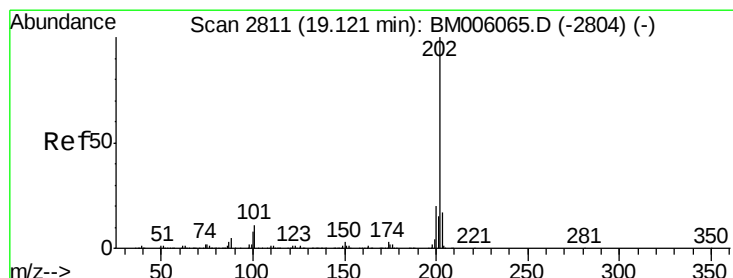
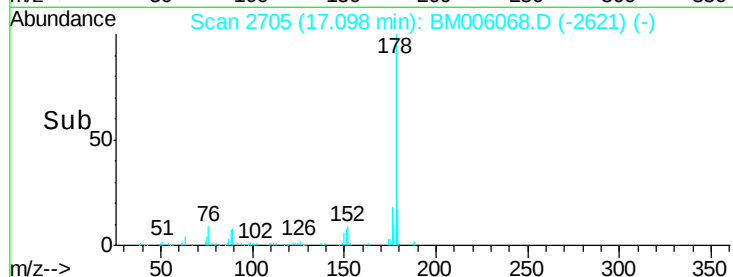
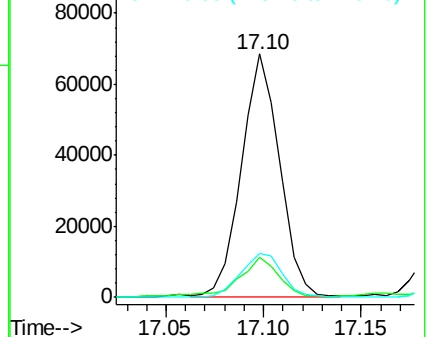
176 18.1 15.3 22.9



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: 3.37 ng/ul

RT: 19.12 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BM006068.D

Acq: 27 Jun 2016 12:57

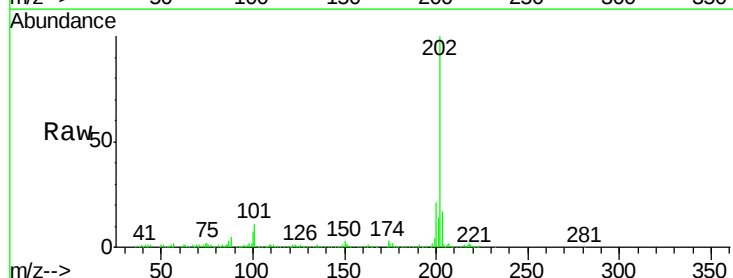
Tgt Ion:202 Resp: 359498

Ion Ratio Lower Upper

202 100

101 10.6 8.5 12.7

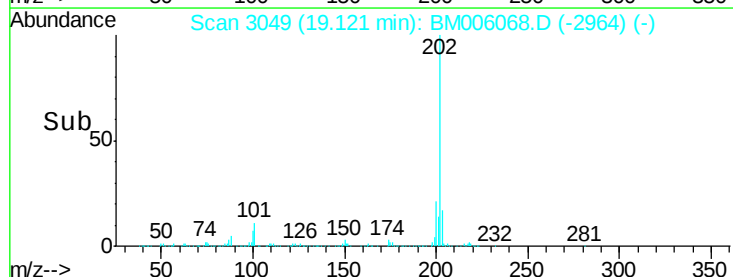
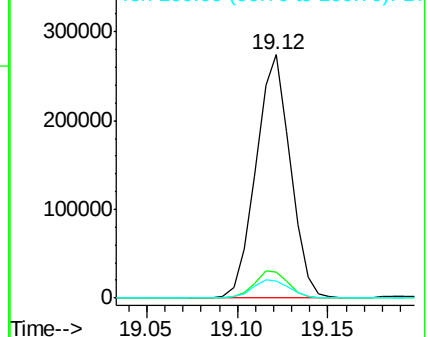
100 7.2 6.5 9.7

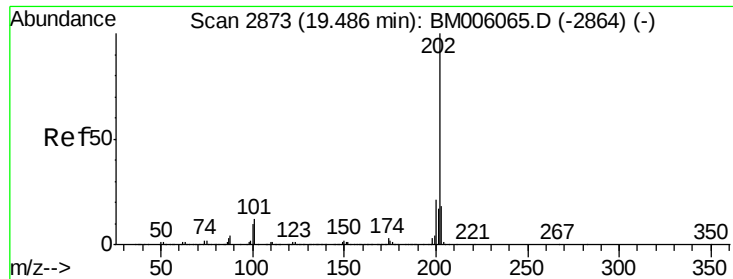


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

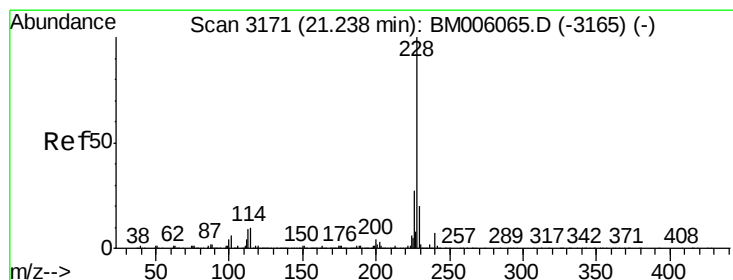
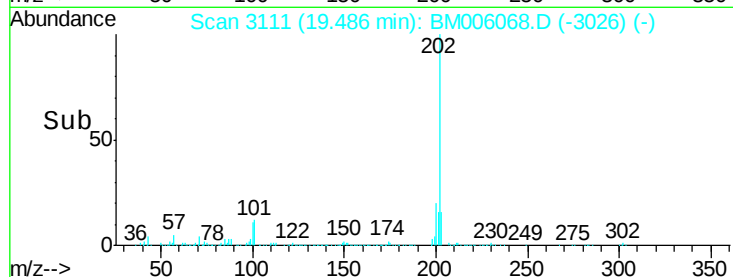
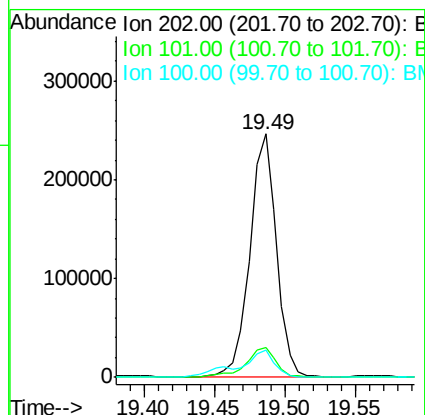
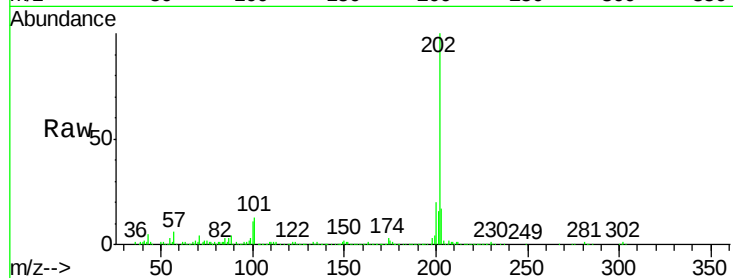




#31
 Pyrene
 Concen: 3.19 ng/ul
 RT: 19.49 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: BM006068.D
 Acq: 27 Jun 2016 12:57

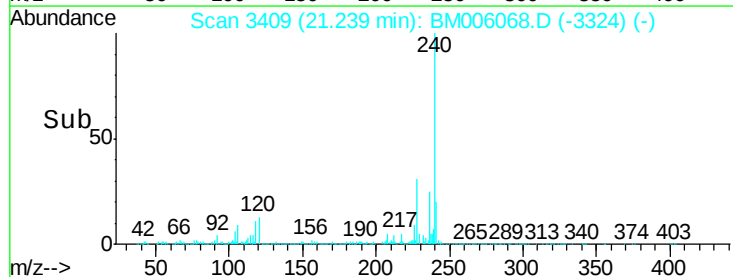
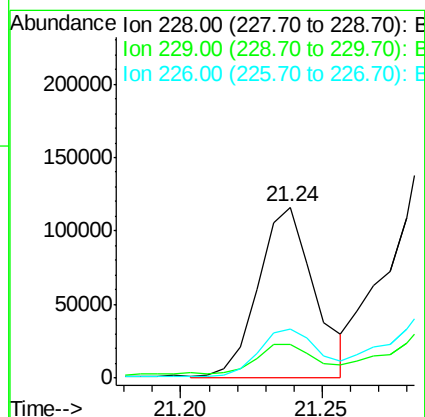
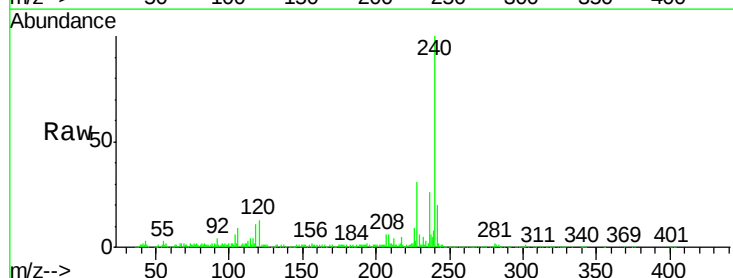
Instrument :
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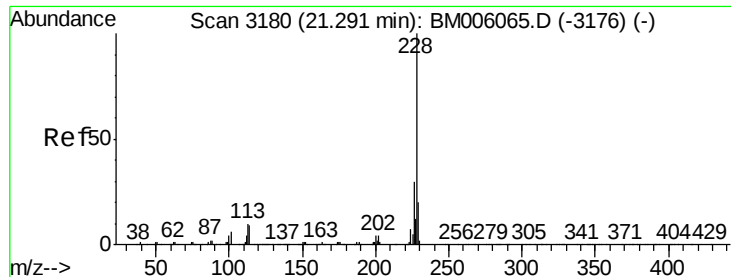
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.0	16.4
100	11.2	8.9	13.3



#32
 Benzo(a)anthracene
 Concen: 1.50 ng/ul
 RT: 21.24 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: BM006068.D
 Acq: 27 Jun 2016 12:57

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.6	23.4
226	29.0	21.6	32.4





#33

Chrysene

Concen: 2.80 ng/ul

RT: 21.29 min Scan# 3418

Delta R.T. 0.00 min

Lab File: BM006068.D

Acq: 27 Jun 2016 12:57

Instrument :

BNA_M

ClientSampleId :

D9Y56

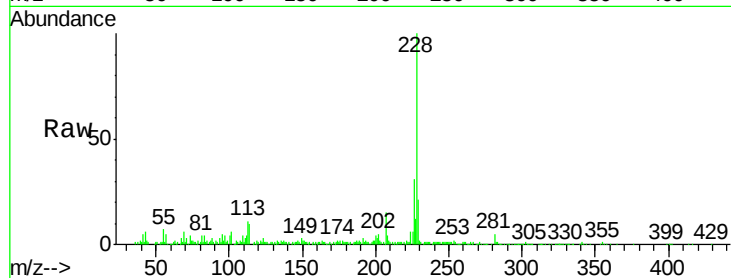
Tgt Ion:228 Resp: 271162

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

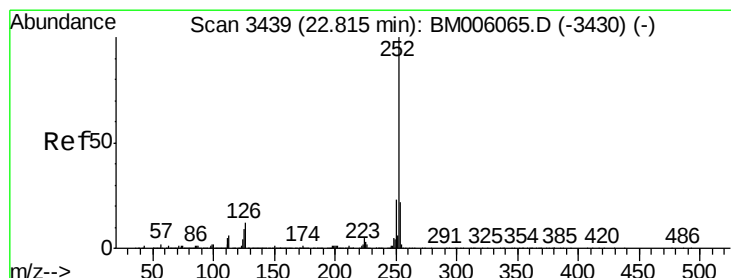
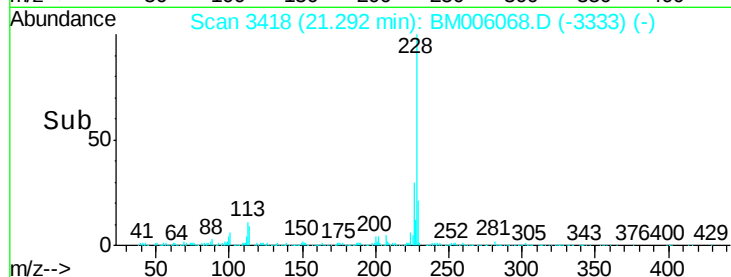
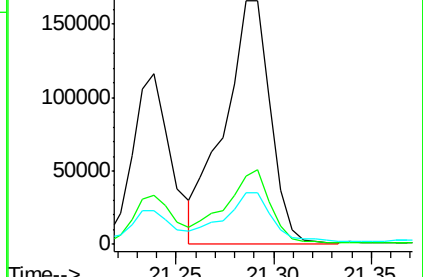
229 21.3 15.8 23.6



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: 4.21 ng/ul

RT: 22.81 min Scan# 3676

Delta R.T. -0.01 min

Lab File: BM006068.D

Acq: 27 Jun 2016 12:57

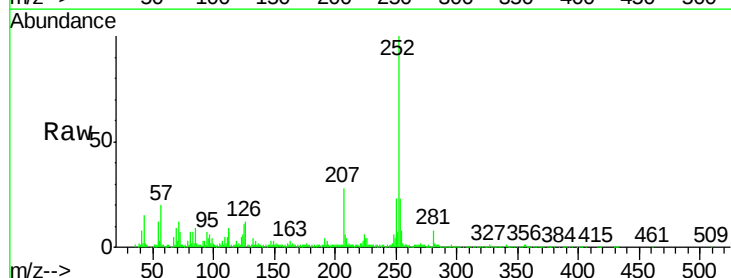
Tgt Ion:252 Resp: 402494

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

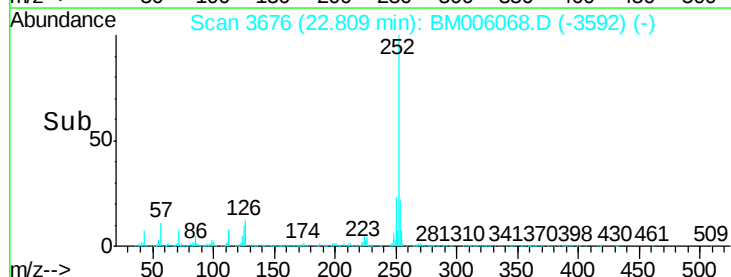
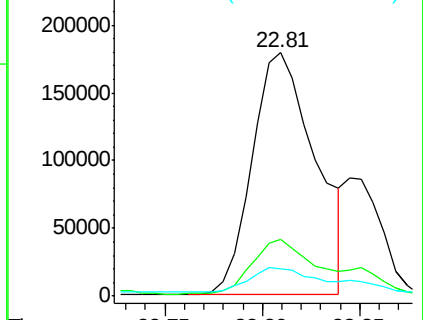
125 11.2 7.8 11.6

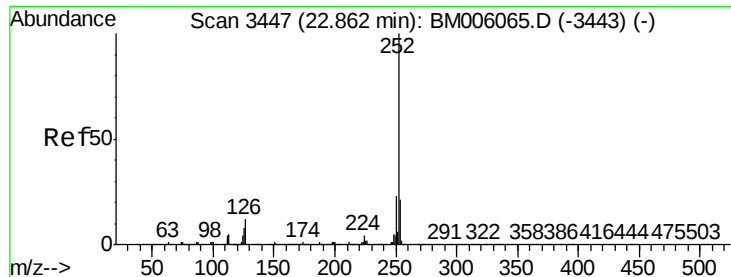


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 4.52 ng/ul

RT: 22.81 min Scan# 3676

Delta R.T. -0.05 min

Lab File: BM006068.D

Acq: 27 Jun 2016 12:57

Instrument :

BNA_M

ClientSampleId :

D9Y56

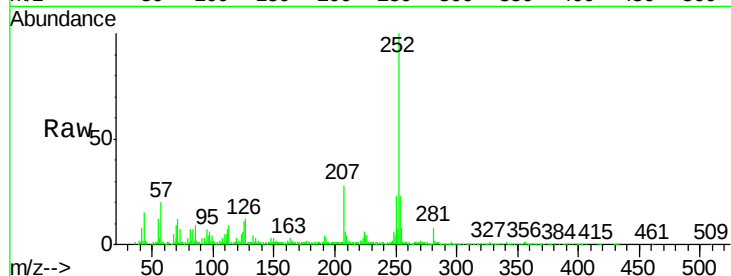
Tgt Ion:252 Resp: 402494

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

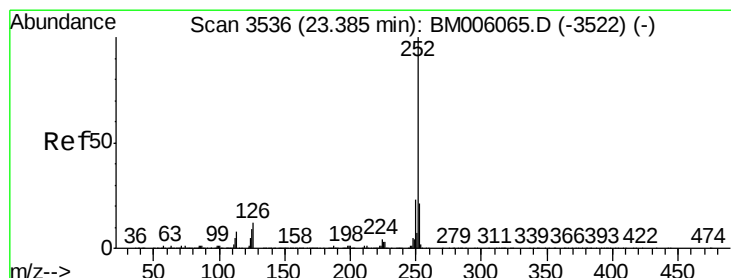
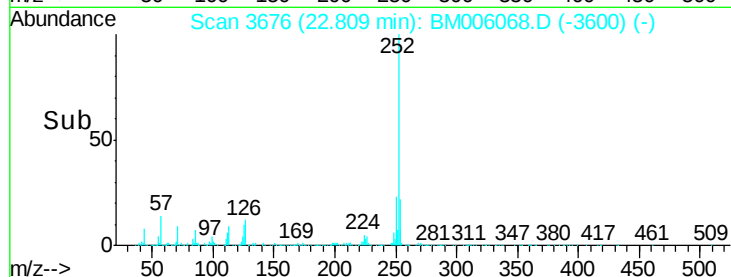
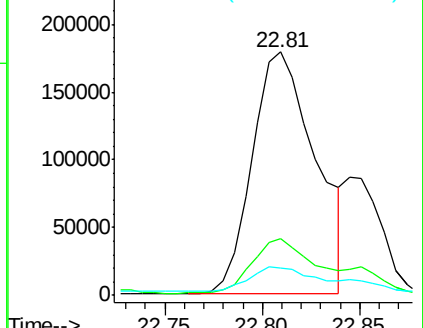
125 11.2 8.1 12.1



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: 1.86 ng/ul

RT: 23.37 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM006068.D

Acq: 27 Jun 2016 12:57

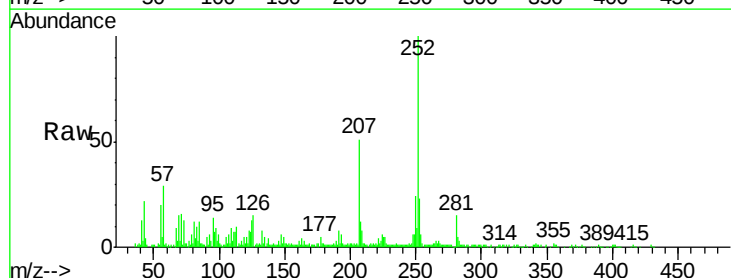
Tgt Ion:252 Resp: 170915

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

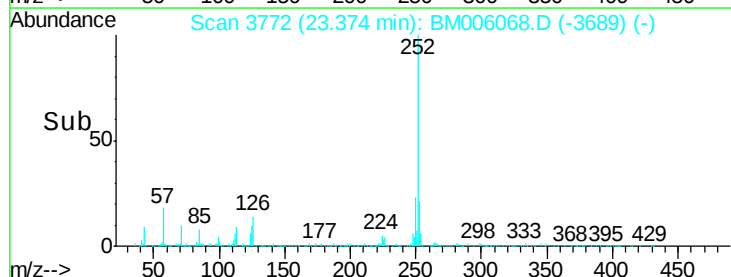
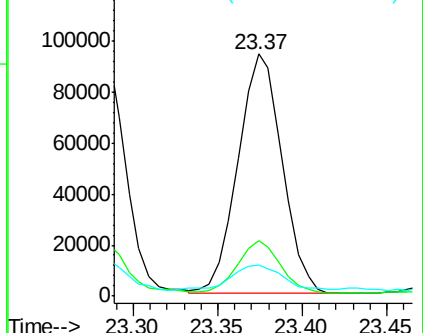
125 13.1 8.7 13.1

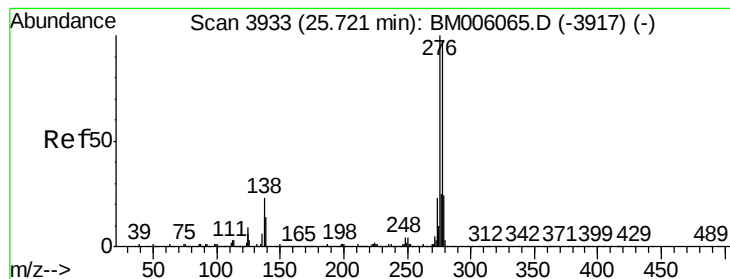


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

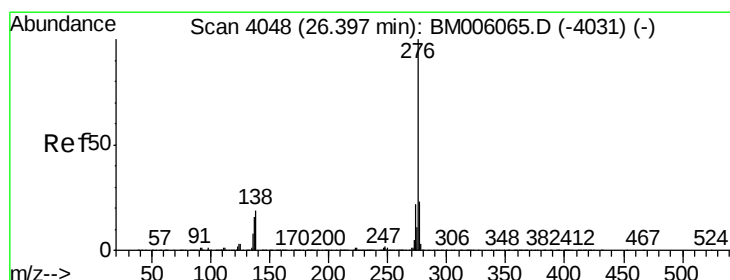
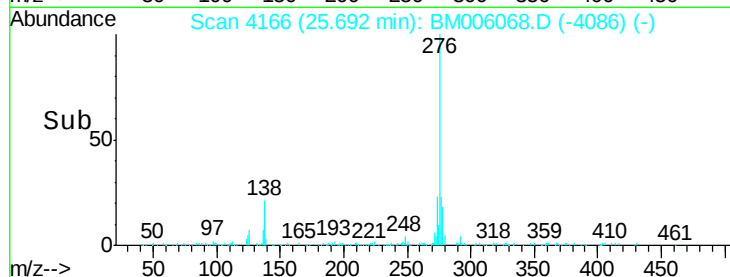
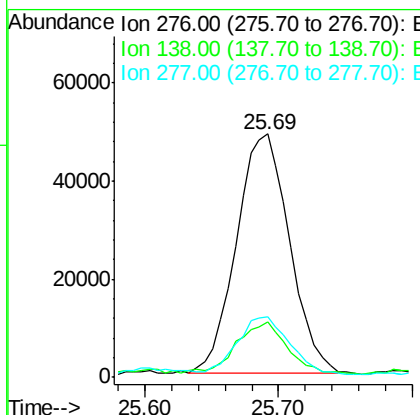
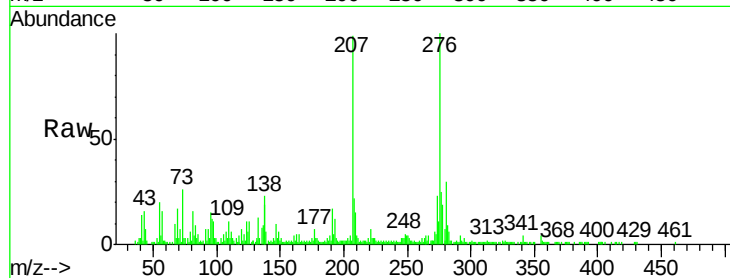




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 1.22 ng/ul
 RT: 25.69 min Scan# 4166
 Delta R.T. -0.03 min
 Lab File: BM006068.D
 Acq: 27 Jun 2016 12:57

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 BNA_M
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Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.4	30.6
277	25.1	20.6	30.8



#41
 Benzo(g,h,i)perylene
 Concen: 1.32 ng/ul
 RT: 26.37 min Scan# 4282
 Delta R.T. -0.02 min
 Lab File: BM006068.D
 Acq: 27 Jun 2016 12:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	16.6	25.0
277	25.3	18.9	28.3

