

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006038.D
 Acq On : 26 Jun 2016 13:48
 Operator : UM/SJ
 Sample : H3669-18
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y71

Quant Time: Jun 27 05:16:08 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	171148	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	871241	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	605876	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1583133	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2048801	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	2183413	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	4552	1.19	ng/uL	0.00
3) Phenol-d5	6.83	99	166680	9.26	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	114761	11.46	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	131475	10.48	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	97012	6.38	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	73100	11.02	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	78948	10.70	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	153848	10.87	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	165625	10.78	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	597242	11.51	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	742385	12.34	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	69211	6.26	ng/ul	0.00
21) Fluorene-d10	15.30	176	572132	12.92	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	60856	6.92	ng/ul	0.00
26) Anthracene-d10	17.14	188	945031	13.00	ng/ul	0.00
30) Pyrene-d10	19.44	212	1169063	13.03	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1258175	12.76	ng/ul	0.00

Target Compounds

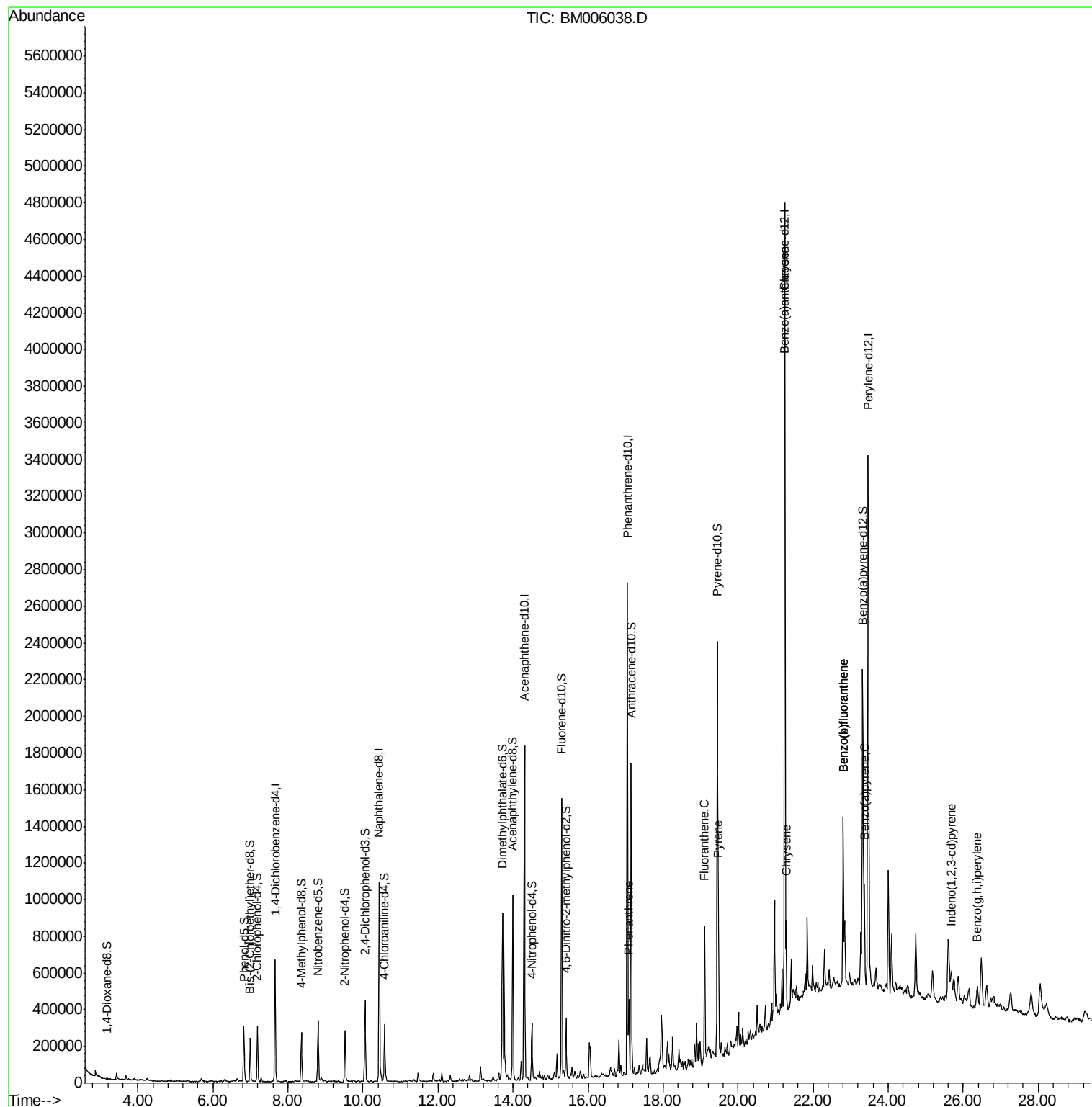
						Qvalue
25) Phenanthrene	17.09	178	237245	2.79	ng/ul	99
28) Fluoranthene	19.11	202	428769	3.93	ng/ul	98
31) Pyrene	19.47	202	376627	3.21	ng/ul	99
32) Benzo(a)anthracene	21.23	228	236263	1.94	ng/ul	97
33) Chrysene	21.28	228	284181	2.56	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	389984	3.07	ng/ul#	97
36) Benzo(k)fluoranthene	22.80	252	389984	3.30	ng/ul#	97
38) Benzo(a)pyrene	23.37	252	240742	1.98	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.69	276	171215	1.18	ng/ul	96
41) Benzo(g,h,i)perylene	26.37	276	163232	1.30	ng/ul	97

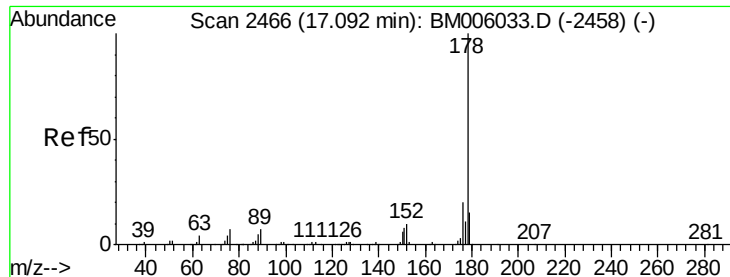
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 2.79 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006038.D

Acq: 26 Jun 2016 13:48

Instrument :

BNA_M

ClientSampleId :

D9Y71

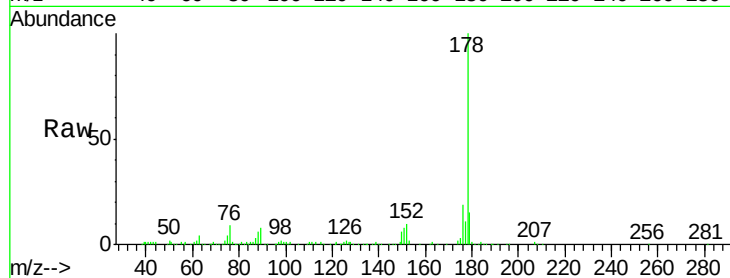
Tgt Ion:178 Resp: 237245

Ion Ratio Lower Upper

178 100

179 14.7 12.1 18.1

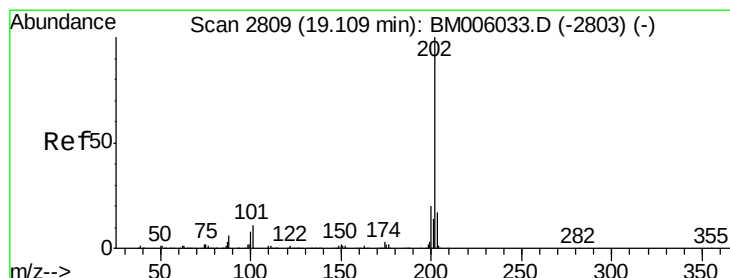
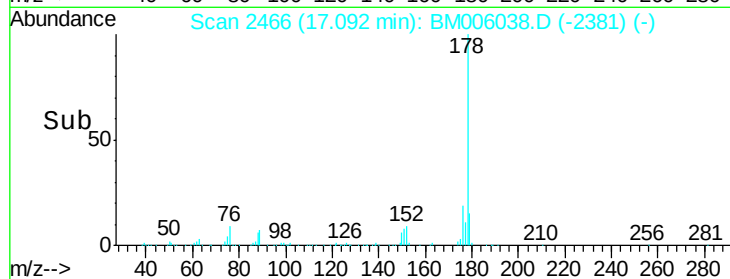
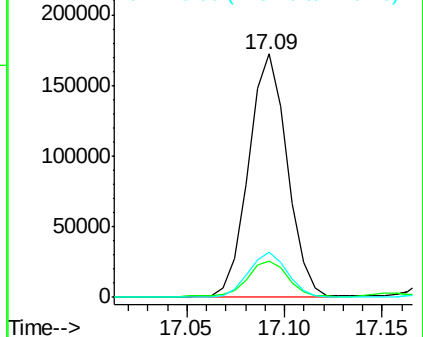
176 18.6 15.4 23.0



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: 3.93 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BM006038.D

Acq: 26 Jun 2016 13:48

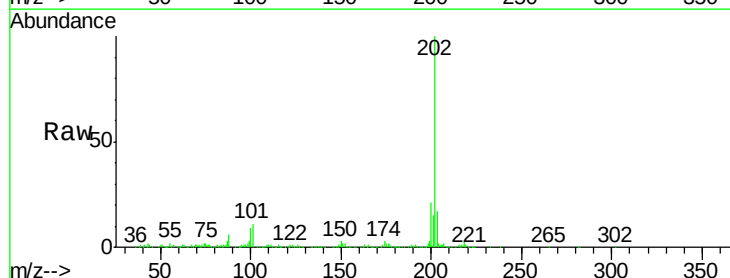
Tgt Ion:202 Resp: 428769

Ion Ratio Lower Upper

202 100

101 11.1 8.2 12.4

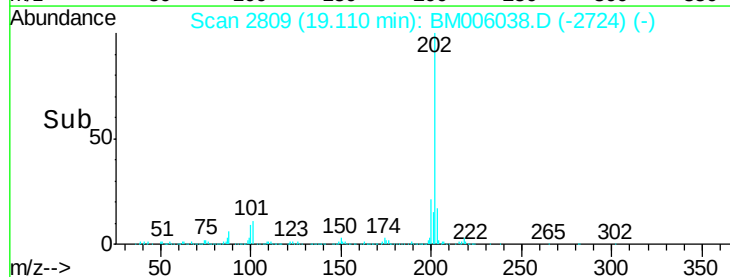
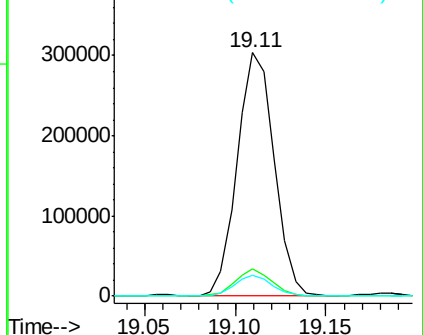
100 8.6 6.3 9.5

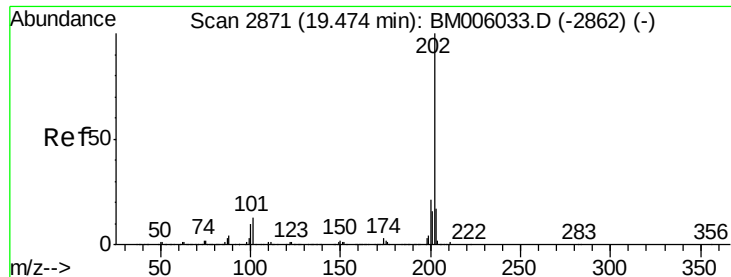


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

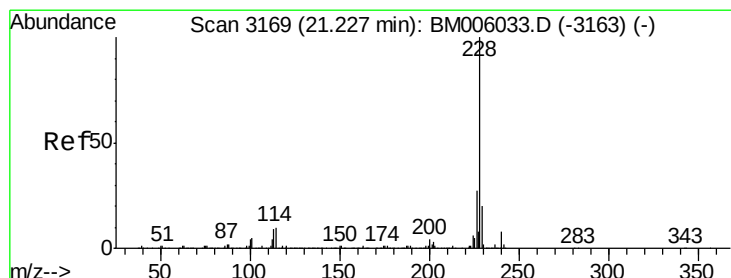
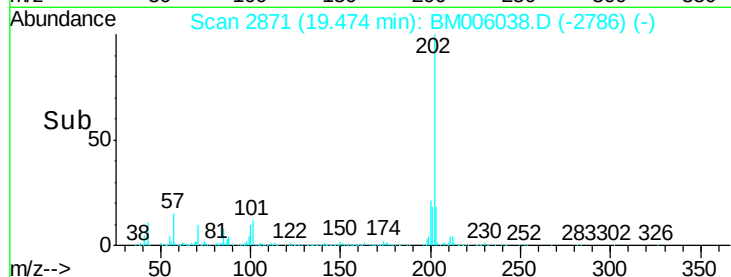
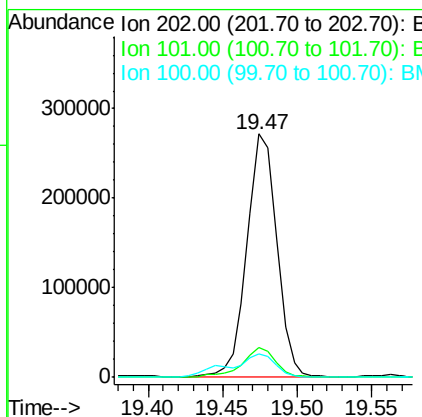
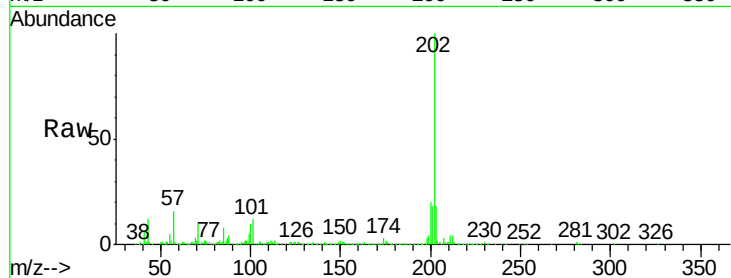




#31
 Pyrene
 Concen: 3.21 ng/ul
 RT: 19.47 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: BM006038.D
 Acq: 26 Jun 2016 13:48

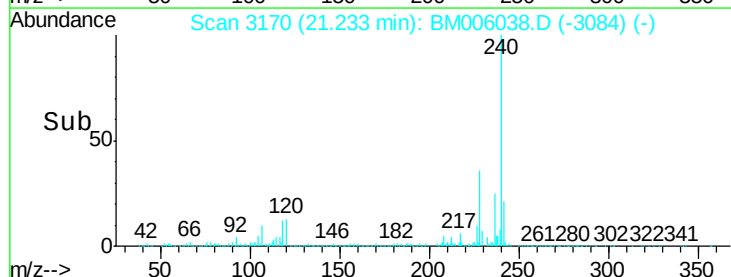
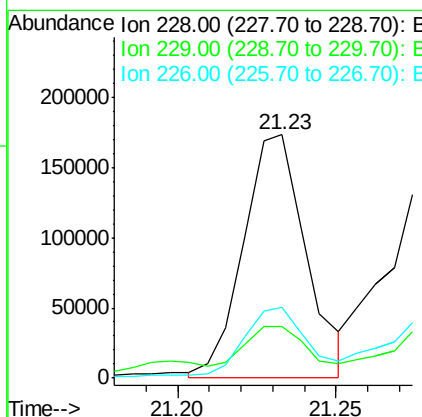
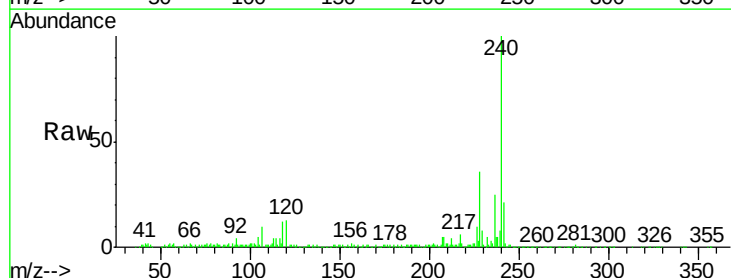
Instrument :
 BNA_M
 ClientSampleId :
 D9Y71

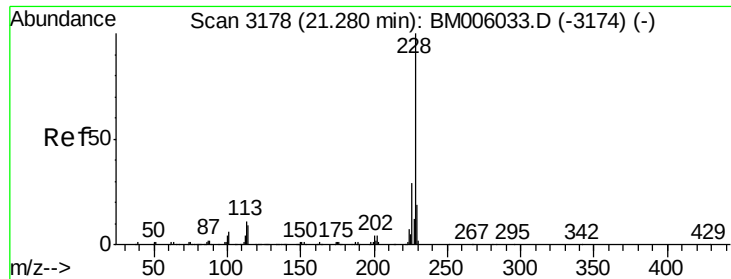
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.6
100	9.7	8.2	12.2



#32
 Benzo(a)anthracene
 Concen: 1.94 ng/ul
 RT: 21.23 min Scan# 3170
 Delta R.T. 0.01 min
 Lab File: BM006038.D
 Acq: 26 Jun 2016 13:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.6
226	28.8	21.5	32.3





#33

Chrysene

Concen: 2.56 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BM006038.D

Acq: 26 Jun 2016 13:48

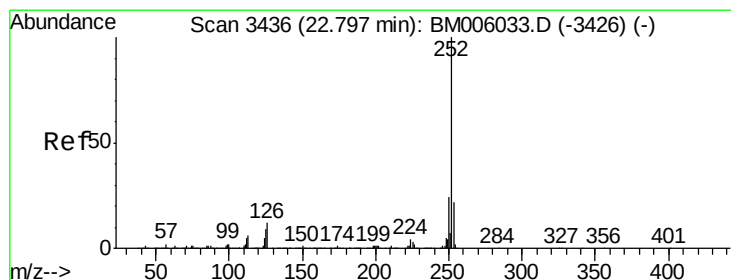
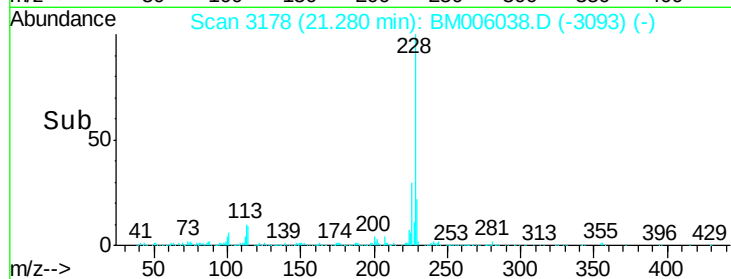
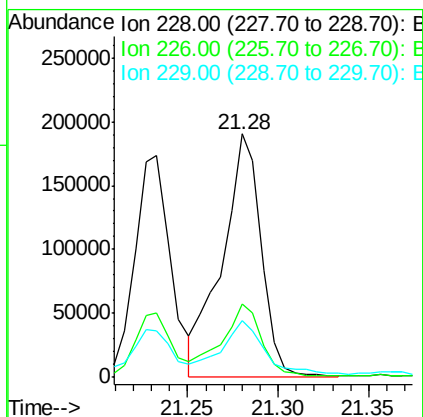
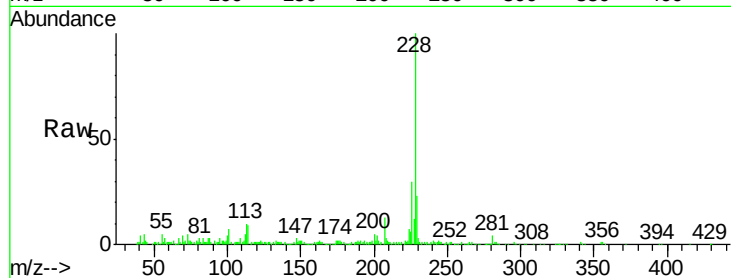
Instrument :

BNA_M

ClientSampleId :

D9Y71

Tgt Ion:	228	Resp:	284181
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	23.1	15.4	23.2



#35

Benzo(b)fluoranthene

Concen: 3.07 ng/ul

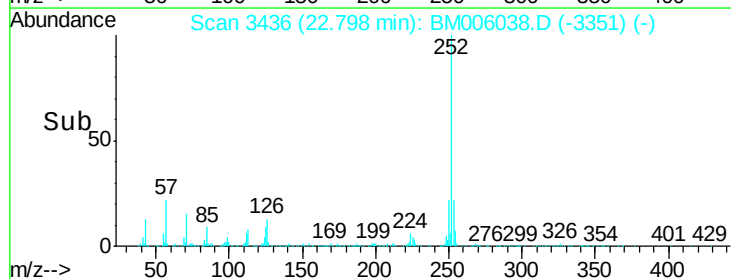
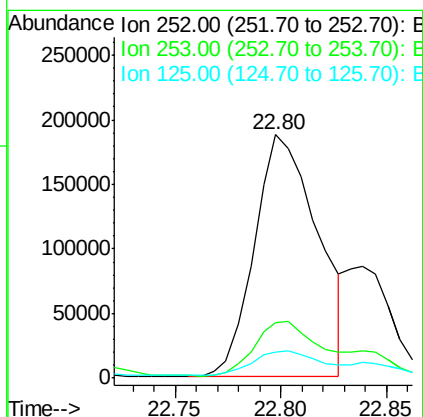
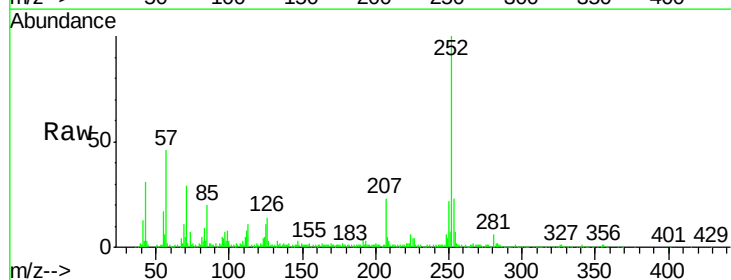
RT: 22.80 min Scan# 3436

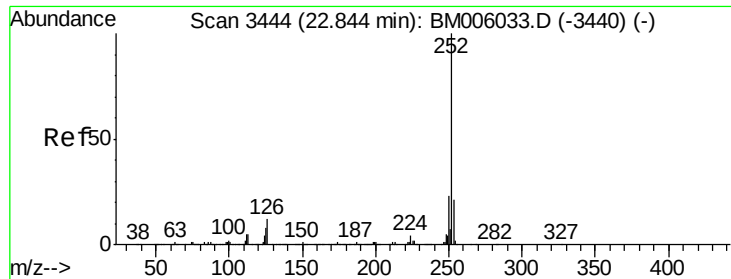
Delta R.T. 0.00 min

Lab File: BM006038.D

Acq: 26 Jun 2016 13:48

Tgt Ion:	252	Resp:	389984
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	10.7	6.8	10.2#





#36

Benzo(k)fluoranthene

Concen: 3.30 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006038.D

Acq: 26 Jun 2016 13:48

Instrument :

BNA_M

ClientSampleId :

D9Y71

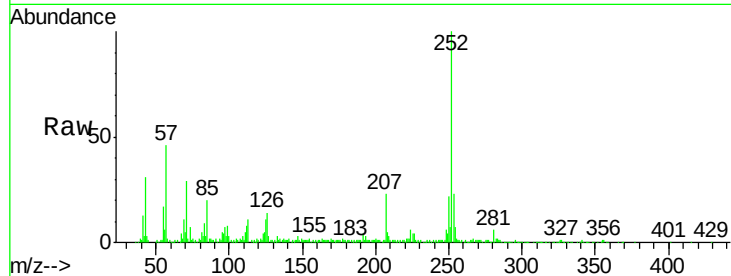
Tgt Ion:252 Resp: 389984

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

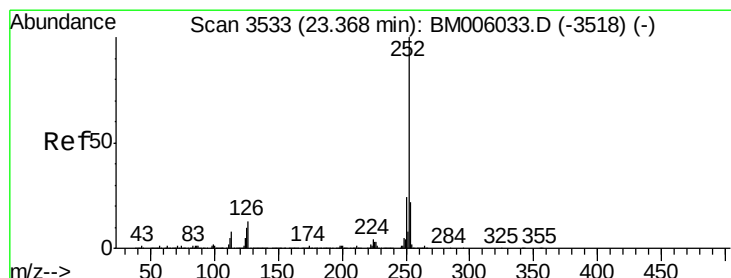
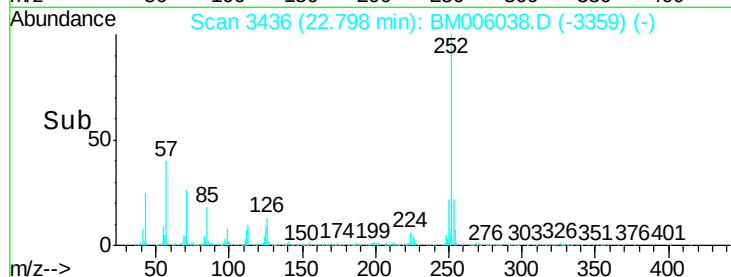
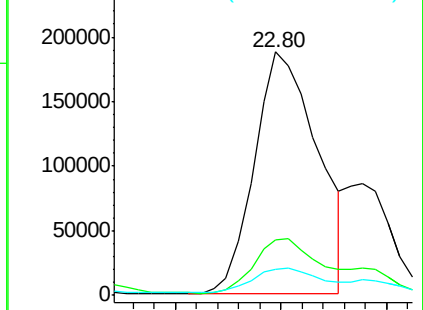
125 10.7 7.0 10.4#



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: 1.98 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BM006038.D

Acq: 26 Jun 2016 13:48

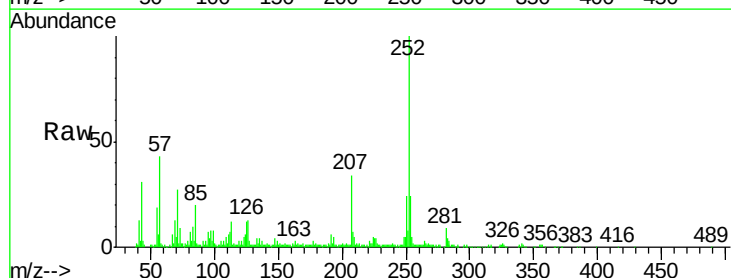
Tgt Ion:252 Resp: 240742

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

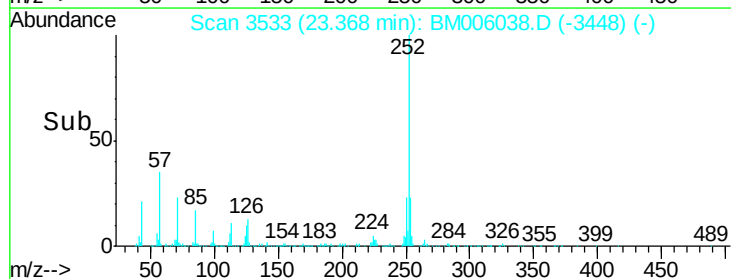
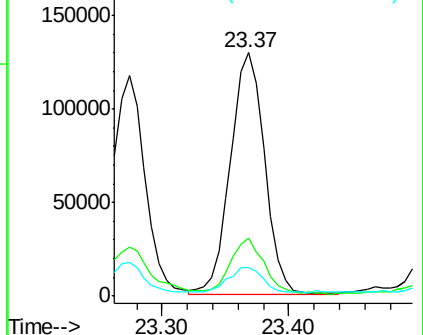
125 11.9 7.8 11.6#

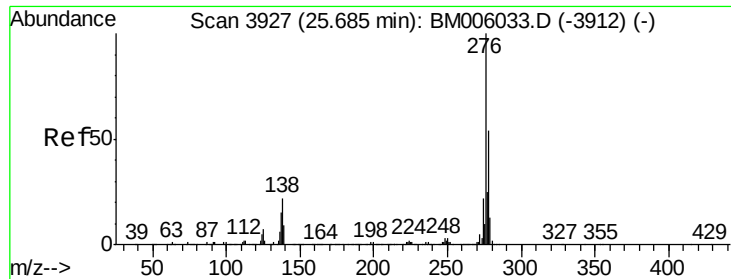


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.18 ng/ul

RT: 25.69 min Scan# 3927

Delta R.T. 0.00 min

Lab File: BM006038.D

Acq: 26 Jun 2016 13:48

Instrument :

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ClientSampleId :

D9Y71

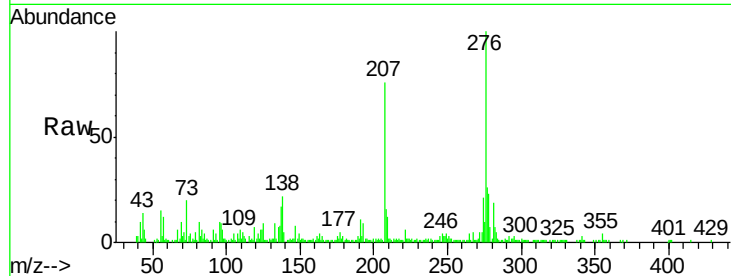
Tgt Ion:276 Resp: 171215

Ion Ratio Lower Upper

276 100

138 22.4 16.6 25.0

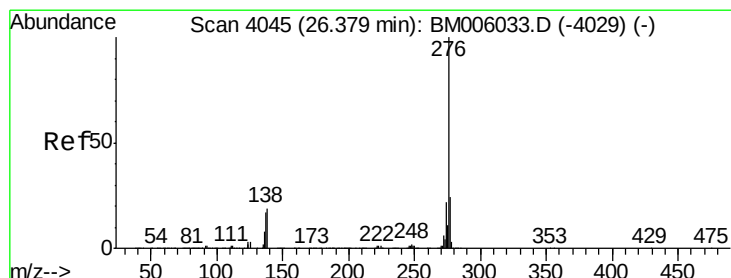
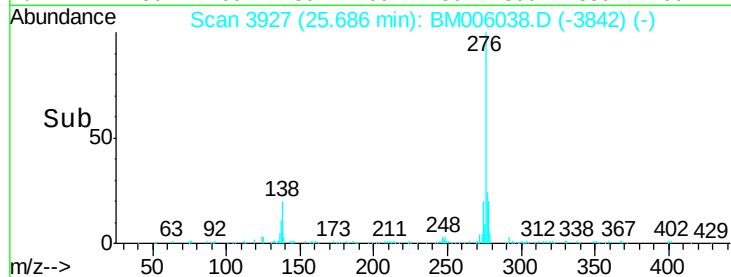
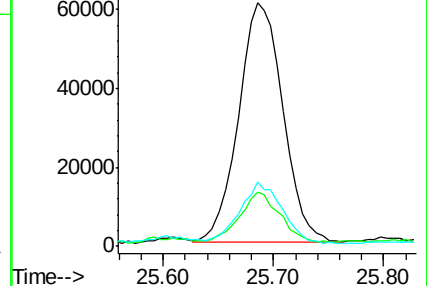
277 26.3 19.6 29.4



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: 1.30 ng/ul

RT: 26.37 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BM006038.D

Acq: 26 Jun 2016 13:48

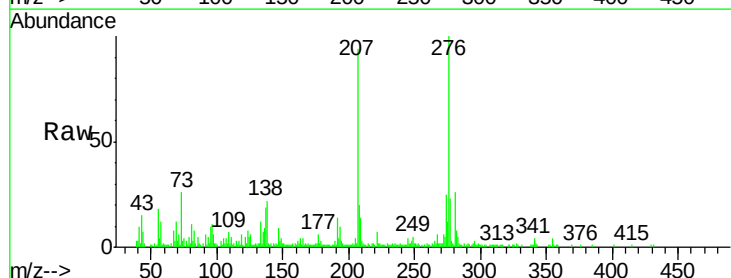
Tgt Ion:276 Resp: 163232

Ion Ratio Lower Upper

276 100

138 22.1 15.9 23.9

277 23.0 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

