

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006808.D
 Acq On : 01 Aug 2016 03:10
 Operator : UM/SJ
 Sample : H4189-02
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:46:29 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	276582	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	1154523	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	617585	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1363145	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1478715	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1577266	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	9230	1.35	ng/uL	0.00
3) Phenol-d5	6.79	99	388816	16.52	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	264846	18.17	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	330983	17.60	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	265241	14.53	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	165545	18.94	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	182265	19.61	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	312233	17.78	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	353397	18.27	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	931392	19.23	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	1202879	19.46	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	121906	14.49	ng/ul	0.01
21) Fluorene-d10	15.26	176	829352	19.15	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	83421	11.79	ng/ul	0.00
26) Anthracene-d10	17.11	188	1260987	19.48	ng/ul	0.00
30) Pyrene-d10	19.42	212	1449647	21.51	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	1473518	20.31	ng/ul	0.00

Target Compounds

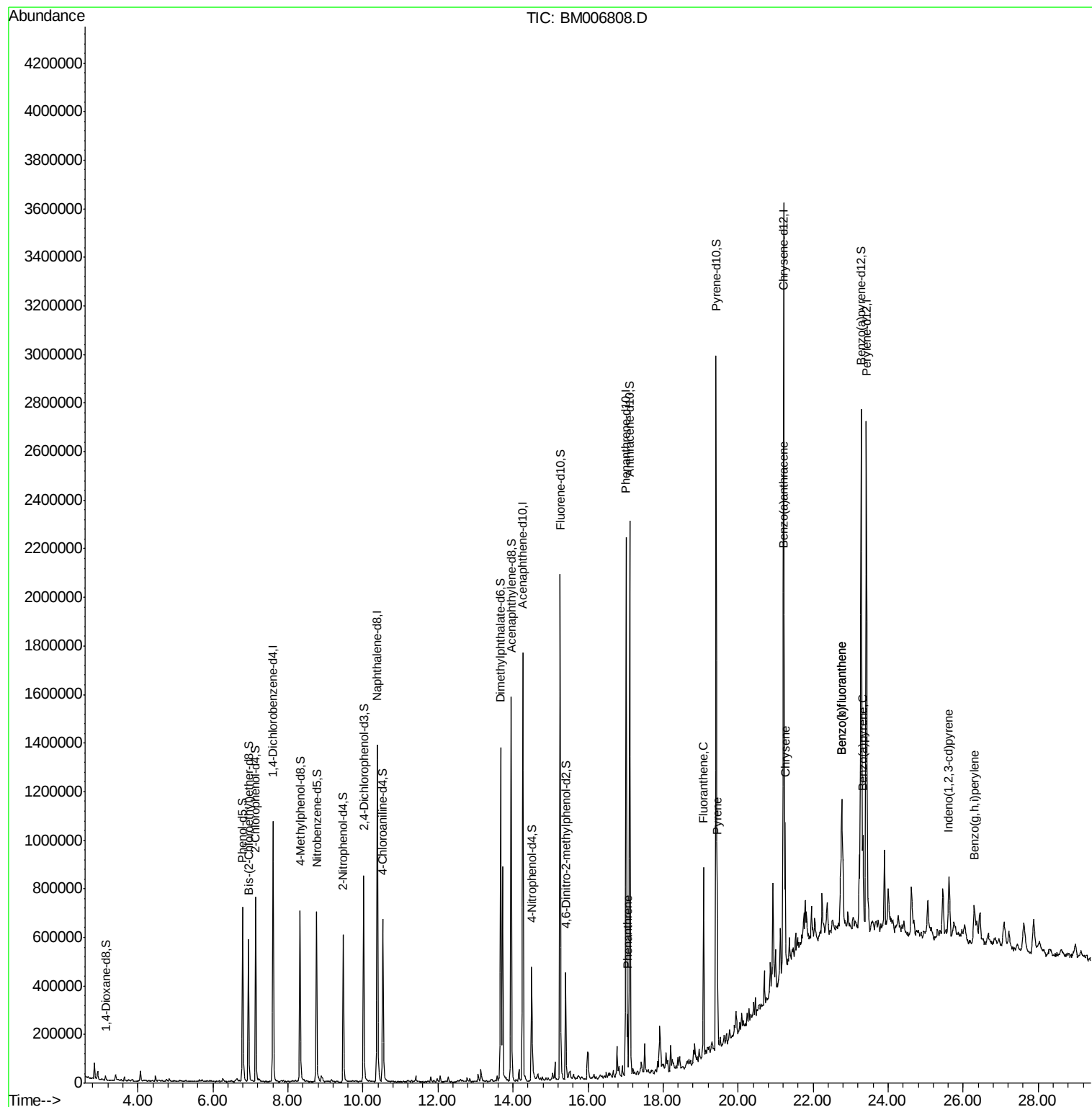
						Ovalue
25) Phenanthrene	17.06	178	144746	1.89	ng/ul	99
28) Fluoranthene	19.08	202	450574	5.00	ng/ul	99
31) Pyrene	19.44	202	393030	4.39	ng/ul	97
32) Benzo(a)anthracene	21.20	228	239216	2.67	ng/ul	98
33) Chrysene	21.25	228	330675	4.00	ng/ul	97
35) Benzo(b)fluoranthene	22.76	252	462095	4.89	ng/ul	100
36) Benzo(k)fluoranthene	22.76	252	462095	5.05	ng/ul	99
38) Benzo(a)pyrene	23.33	252	261187	2.84	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.62	276	204575	1.92	ng/ul	98
41) Benzo(g,h,i)perylene	26.30	276	208445	2.28	ng/ul	96

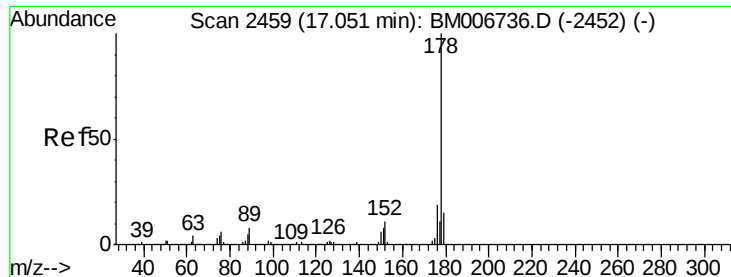
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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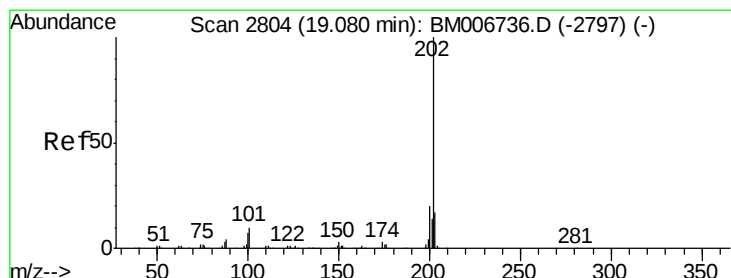
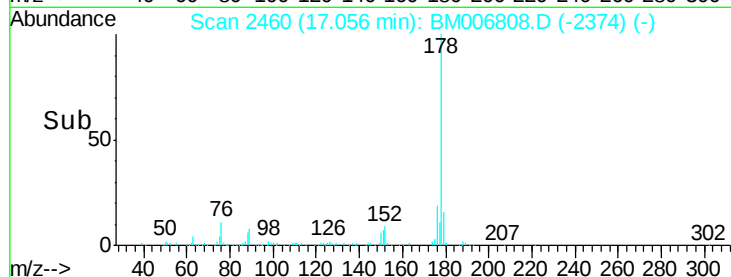
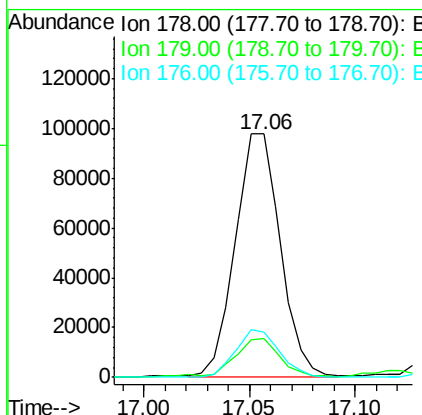
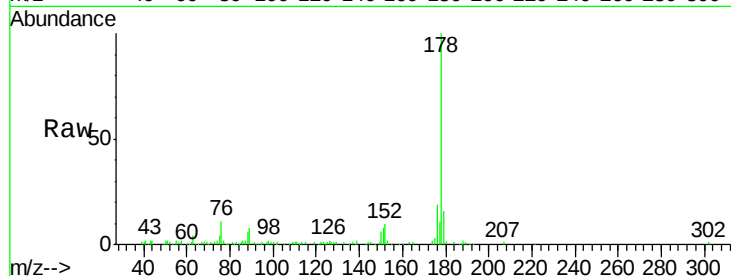




#25
Phenanthrene
Concen: 1.89 ng/ul
RT: 17.06 min Scan# 2460
Delta R.T. 0.01 min
Lab File: BM006808.D
Acq: 01 Aug 2016 03:10

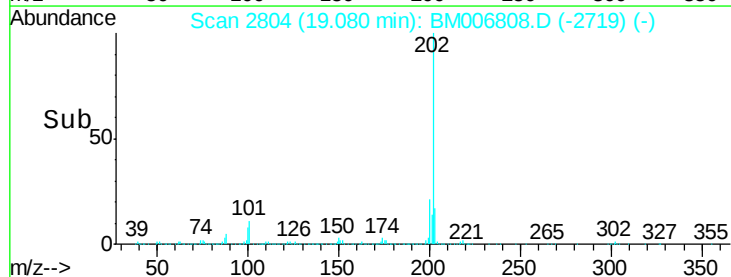
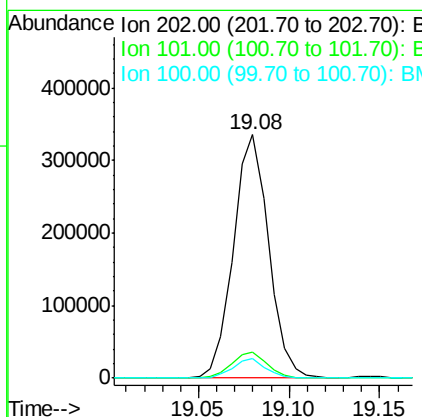
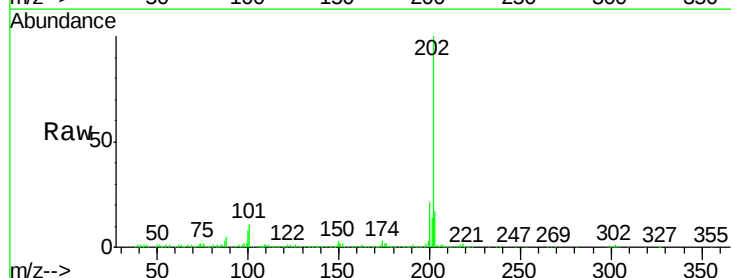
Instrument :
BNA_M
ClientSampleId :

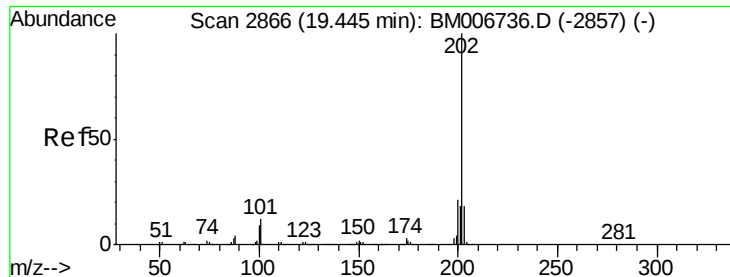
Tot Ion:178 Resp: 144746
Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.8
176 18.6 14.8 22.2



#28
Fluoranthene
Concen: 5.00 ng/ul
RT: 19.08 min Scan# 2804
Delta R.T. -0.00 min
Lab File: BM006808.D
Acq: 01 Aug 2016 03:10

Tgt Ion:202 Resp: 450574
Ion Ratio Lower Upper
202 100
101 10.8 8.9 13.3
100 8.3 7.0 10.4





#31

Pvrene

Concen: 4.39 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. -0.00 min

Lab File: BM006808.D

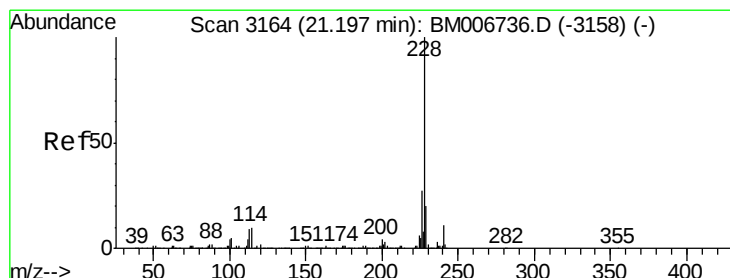
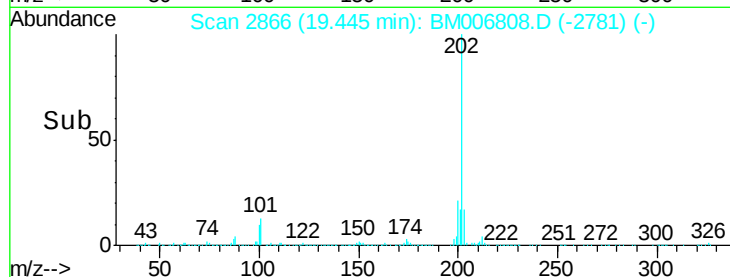
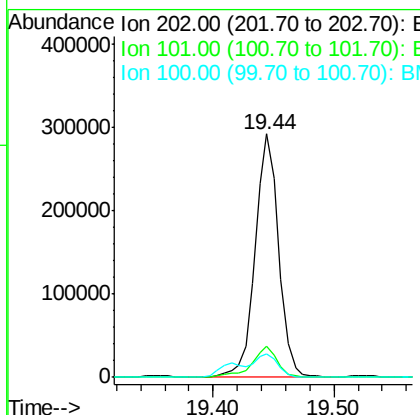
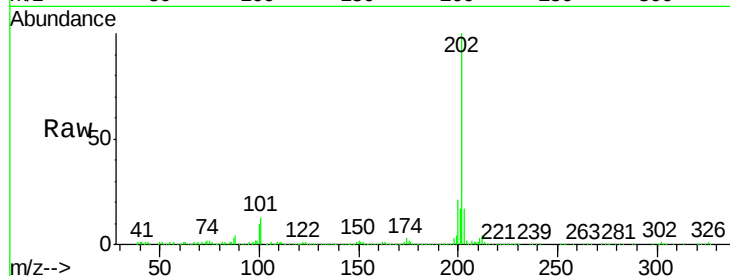
Acq: 01 Aug 2016 03:10

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	393030
Ion	Ratio	Lower	Upper
202	100		
101	13.0	9.8	14.8
100	9.9	9.3	13.9



#32

Benzo(a)anthracene

Concen: 2.67 ng/ul

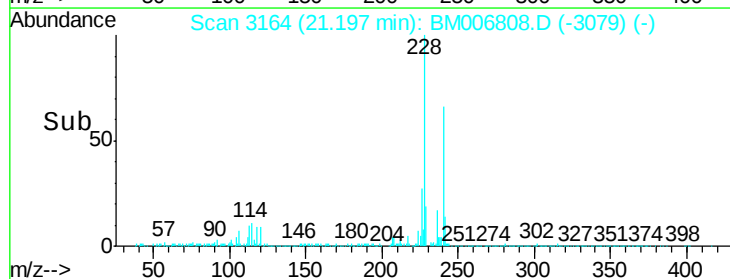
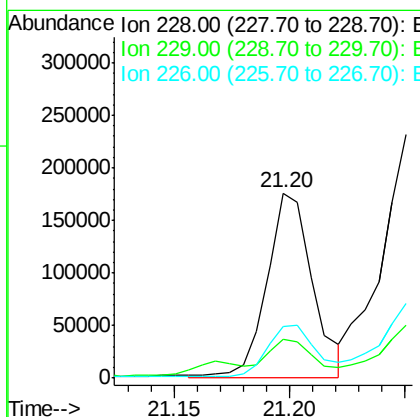
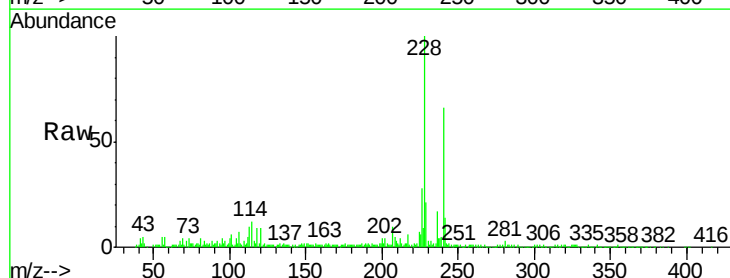
RT: 21.20 min Scan# 3164

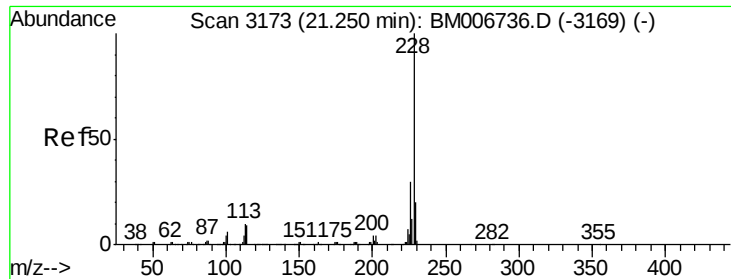
Delta R.T. -0.00 min

Lab File: BM006808.D

Acq: 01 Aug 2016 03:10

Tgt Ion:	228	Resp:	239216
Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.6	25.0
226	27.8	21.0	31.4

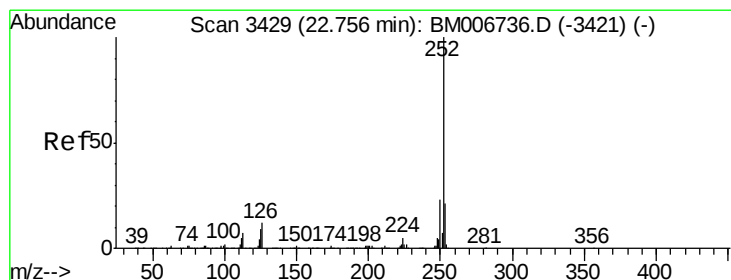
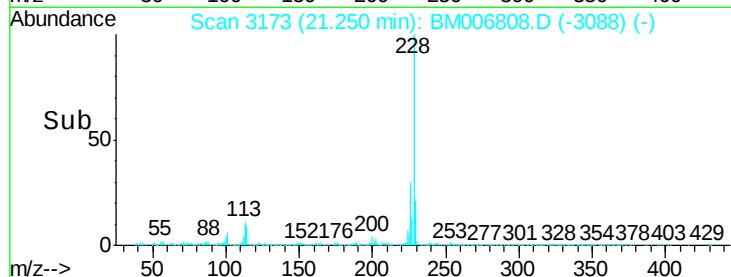
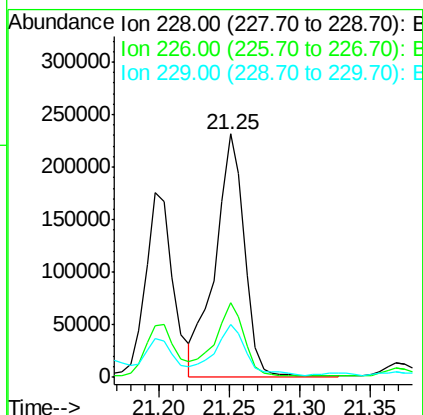
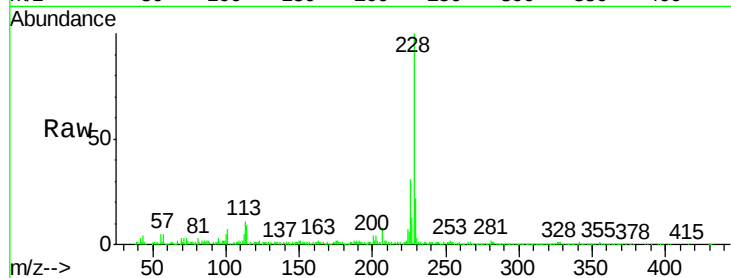




#33
Chrysene
Concen: 4.00 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BM006808.D
Acq: 01 Aug 2016 03:10

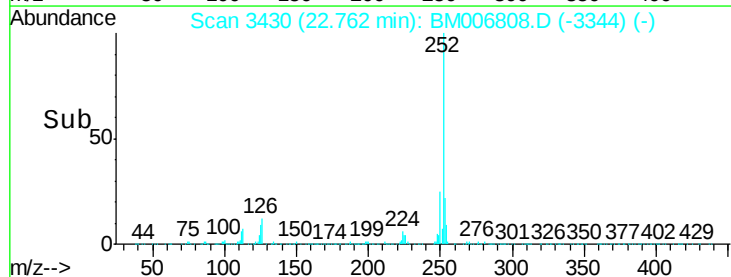
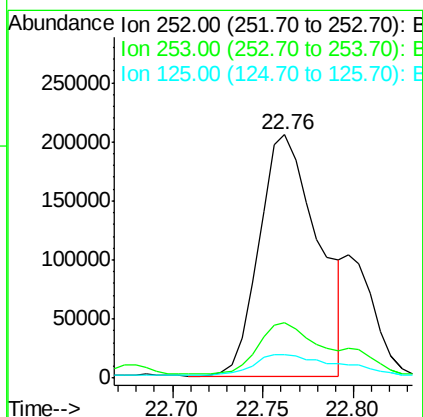
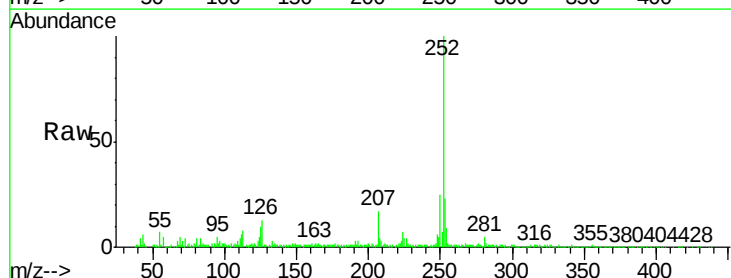
Instrument :
BNA_M
ClientSampleId :

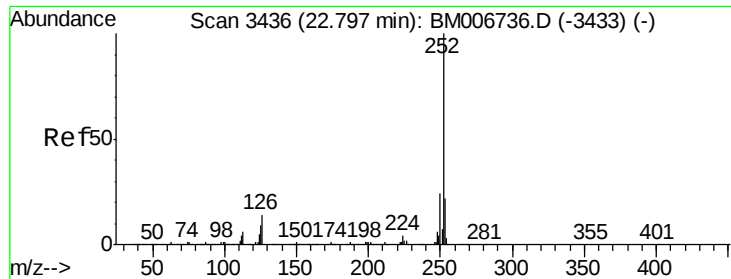
Tot Ion:228 Resp: 330675
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.2
229 21.7 16.2 24.2



#35
Benzo(b)fluoranthene
Concen: 4.89 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM006808.D
Acq: 01 Aug 2016 03:10

Tgt Ion:252 Resp: 462095
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 9.9 7.6 11.4

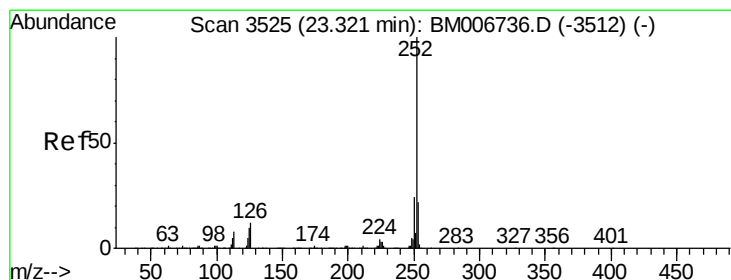
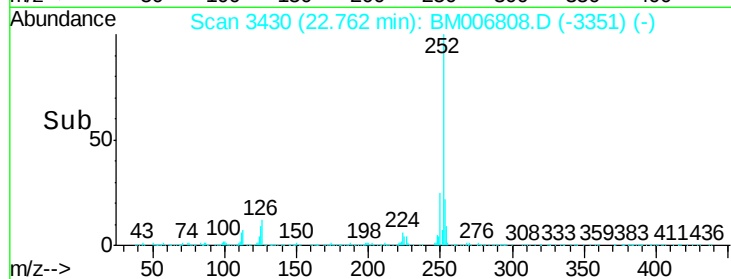
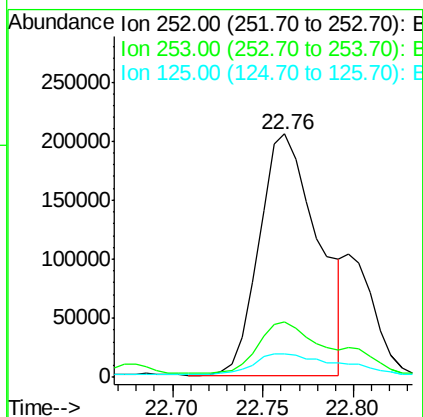
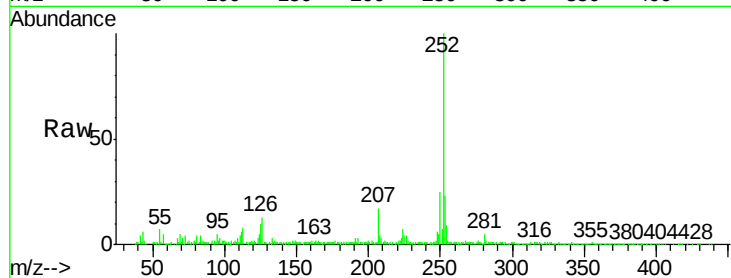




#36
Benzo(k)fluoranthene
Concen: 5.05 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. -0.04 min
Lab File: BM006808.D
Acq: 01 Aug 2016 03:10

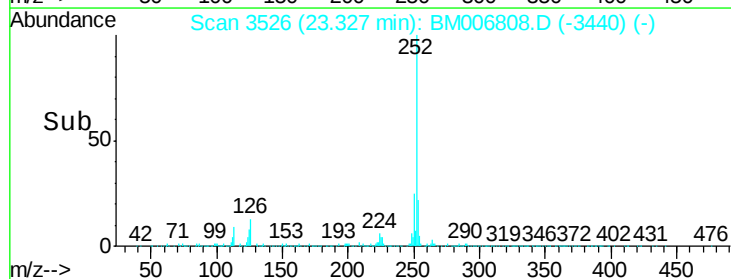
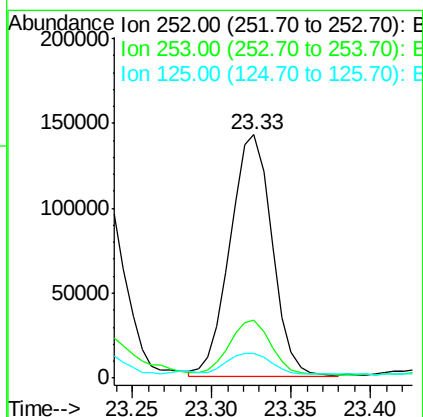
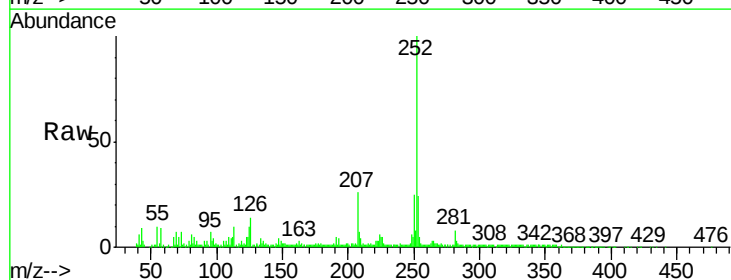
Instrument :
BNA_M
ClientSampleId :

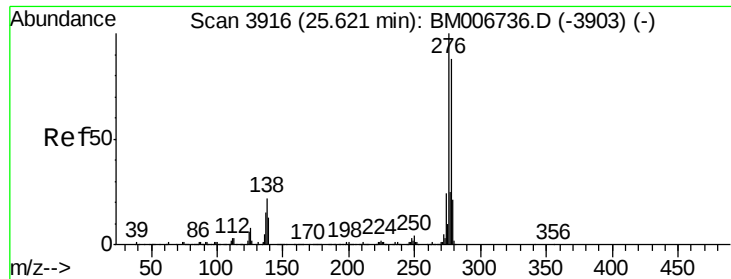
Tot Ion:252 Resp: 462095
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 9.9 7.7 11.5



#38
Benzo(a)pyrene
Concen: 2.84 ng/ul
RT: 23.33 min Scan# 3526
Delta R.T. 0.01 min
Lab File: BM006808.D
Acq: 01 Aug 2016 03:10

Tgt Ion:252 Resp: 261187
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 10.3 8.2 12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.92 ng/ul

RT: 25.62 min Scan# 3916

Delta R.T. -0.00 min

Lab File: BM006808.D

Acq: 01 Aug 2016 03:10

Instrument :

BNA_M

ClientSampled :

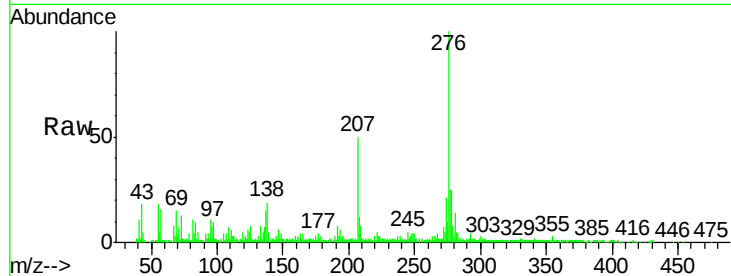
Tot Ion:276 Resp: 204575

Ion Ratio Lower Upper

276 100

138 18.8 15.8 23.6

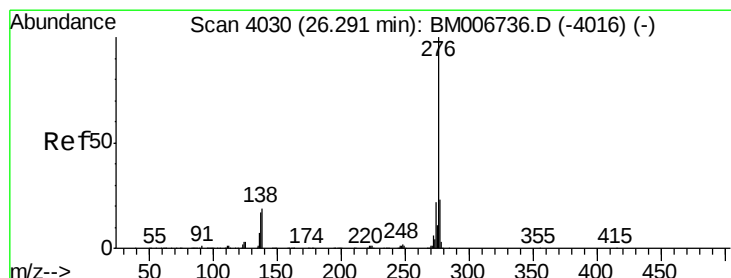
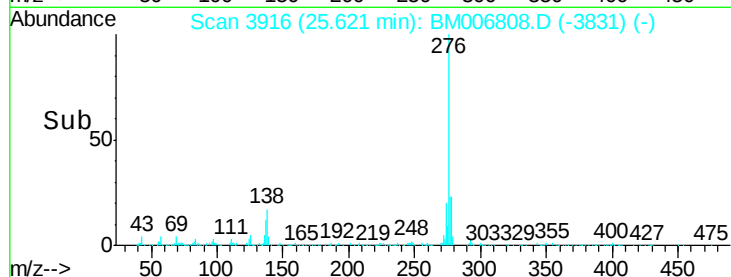
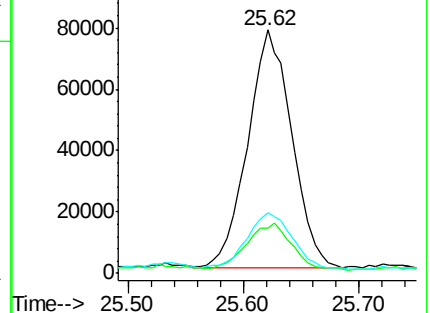
277 25.1 19.0 28.6



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: 2.28 ng/ul

RT: 26.30 min Scan# 4031

Delta R.T. 0.01 min

Lab File: BM006808.D

Acq: 01 Aug 2016 03:10

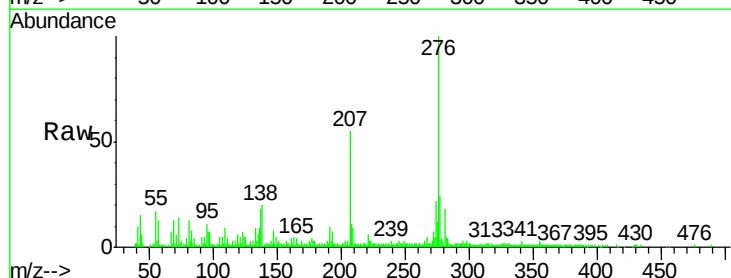
Tgt Ion:276 Resp: 208445

Ion Ratio Lower Upper

276 100

138 20.4 13.9 20.9

277 23.9 19.8 29.6



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

