

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006812.D
 Acq On : 01 Aug 2016 05:36
 Operator : UM/SJ
 Sample : H4190-05
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:47:17 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	260776	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	1125694	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	615288	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	1326590	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1367157	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1467679	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.13	96	4465	0.69	ng/uL	0.00
3) Phenol-d5	6.79	99	199794	9.01	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	138850	10.10	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	167888	9.47	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	137966	8.02	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	85633	10.05	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	95017	10.49	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	166717	9.74	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	191678	10.16	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	510615	10.58	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	657320	10.67	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	62637	7.48	ng/ul	0.02
21) Fluorene-d10	15.26	176	451849	10.47	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	37689	5.47	ng/ul	0.01
26) Anthracene-d10	17.11	188	679272	10.78	ng/ul	0.00
30) Pyrene-d10	19.42	212	741185	11.90	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	730484	10.82	ng/ul	0.00

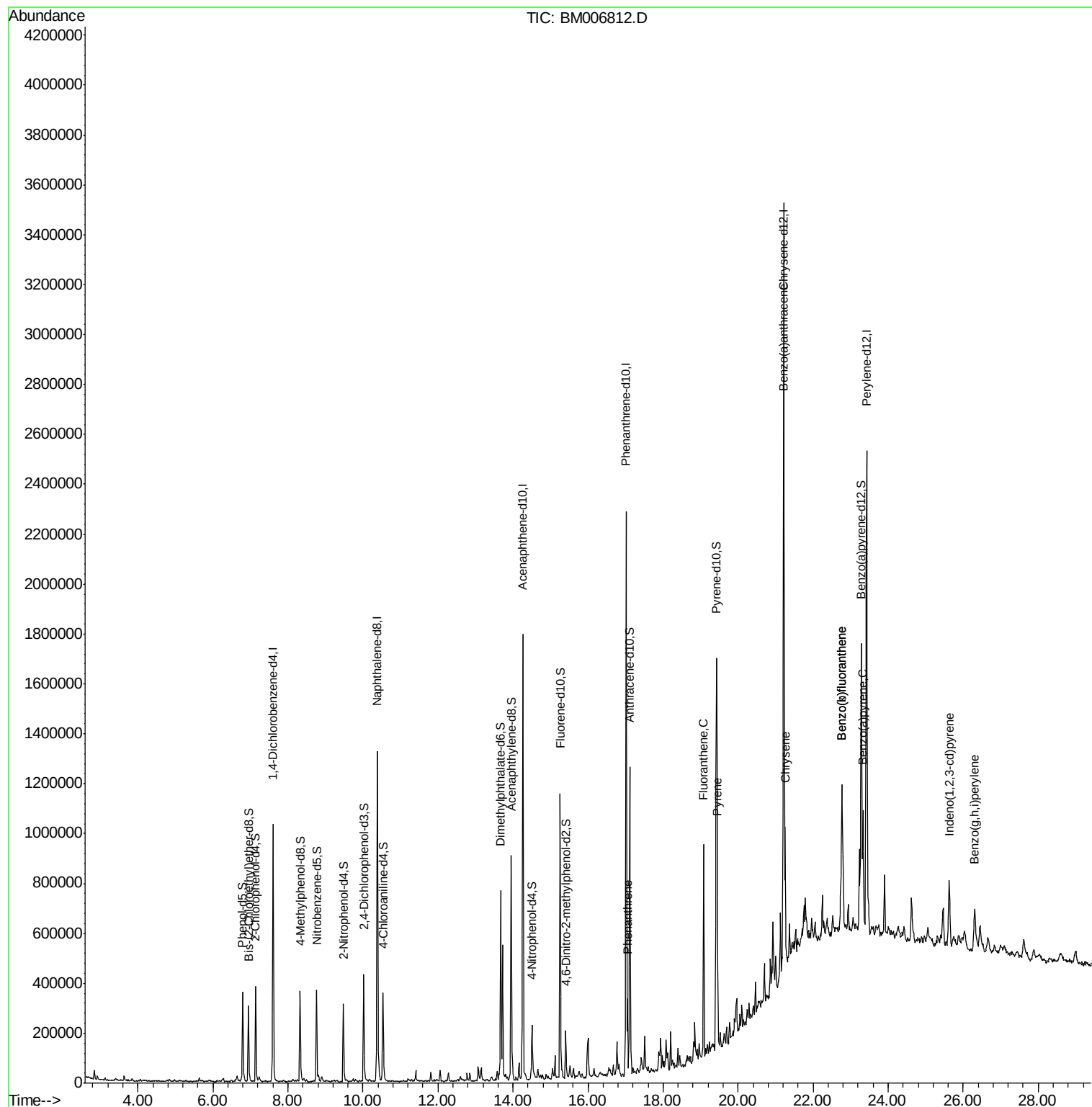
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Phenanthrene	17.06	178	186023	2.49	ng/ul	98
28) Fluoranthene	19.08	202	487342	5.56	ng/ul	99
31) Pyrene	19.44	202	438453	5.30	ng/ul	97
32) Benzo(a)anthracene	21.20	228	303750	3.67	ng/ul	97
33) Chrysene	21.26	228	312612	4.09	ng/ul	96
35) Benzo(b)fluoranthene	22.77	252	516492	5.87	ng/ul	98
36) Benzo(k)fluoranthene	22.77	252	516492	6.07	ng/ul	98
38) Benzo(a)pyrene	23.33	252	313215	3.66	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.63	276	251365	2.53	ng/ul	99
41) Benzo(g,h,i)perylene	26.31	276	203369	2.39	ng/ul#	95

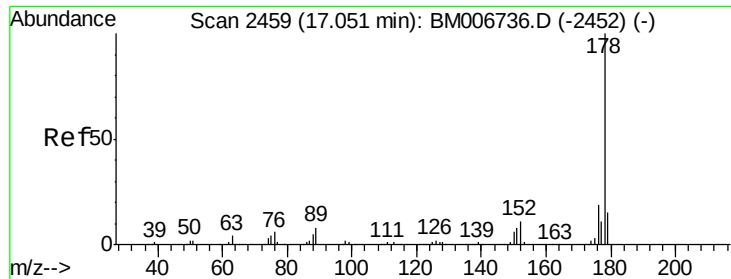
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 2.49 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.01 min

Lab File: BM006812.D

Acq: 01 Aug 2016 05:36

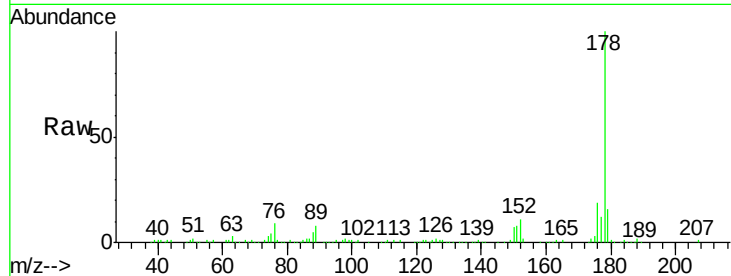
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 186023

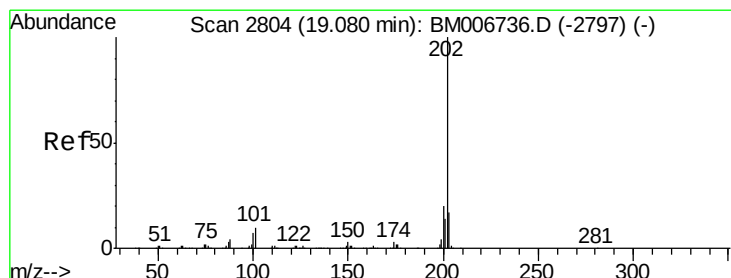
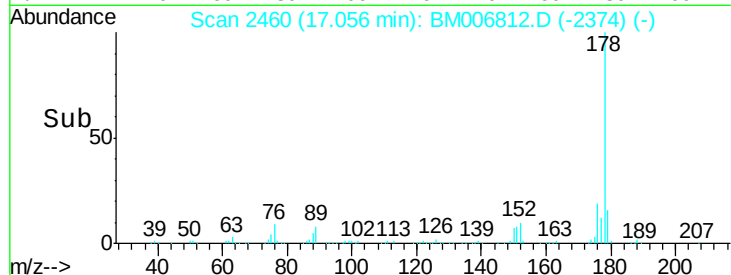
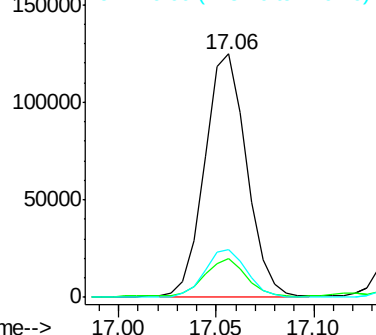
Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.8	17.8
176	19.4	14.8	22.2



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: 5.56 ng/ul

RT: 19.08 min Scan# 2804

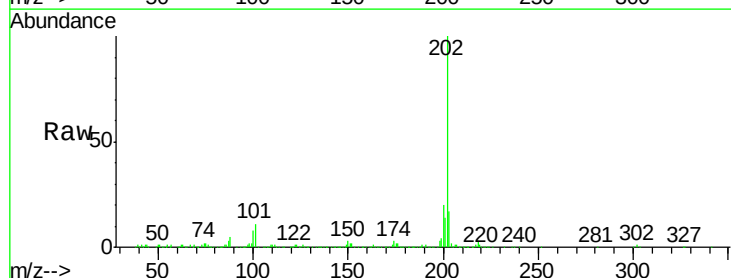
Delta R.T. -0.00 min

Lab File: BM006812.D

Acq: 01 Aug 2016 05:36

Tgt Ion:202 Resp: 487342

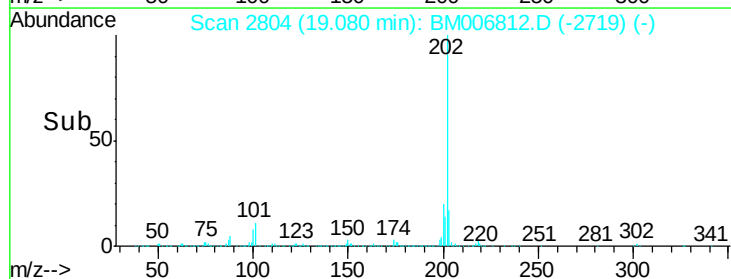
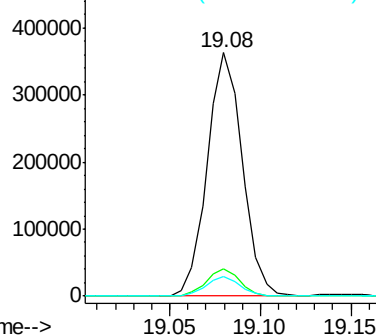
Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.9	13.3
100	8.1	7.0	10.4

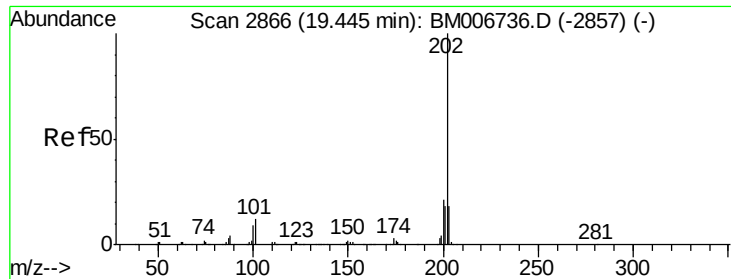


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

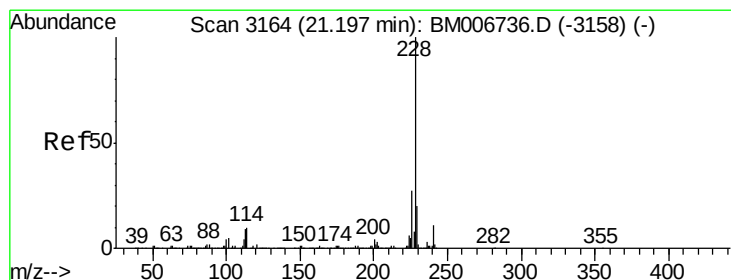
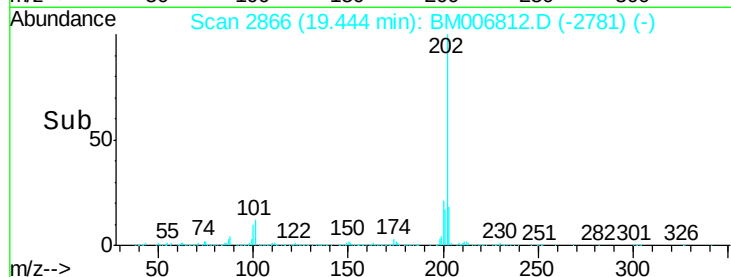
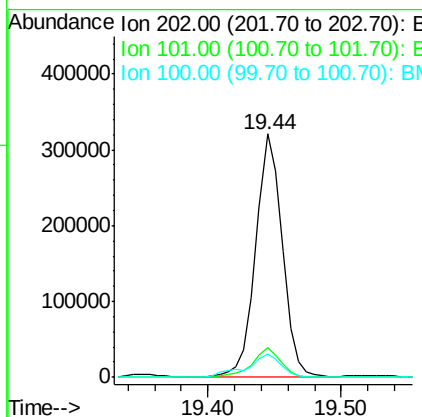
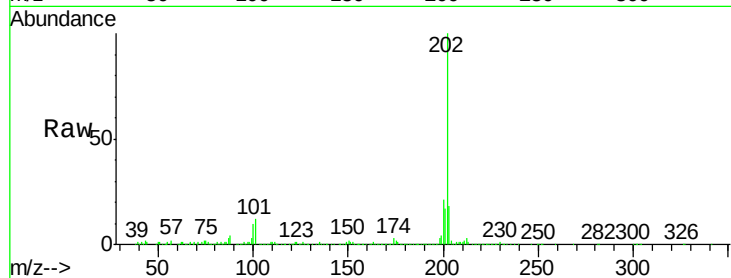




#31
 Pvrene
 Concen: 5.30 ng/ul
 RT: 19.44 min Scan# 2866
 Delta R.T. -0.00 min
 Lab File: BM006812.D
 Acq: 01 Aug 2016 05:36

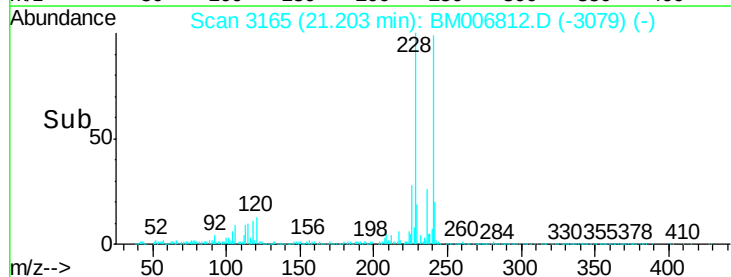
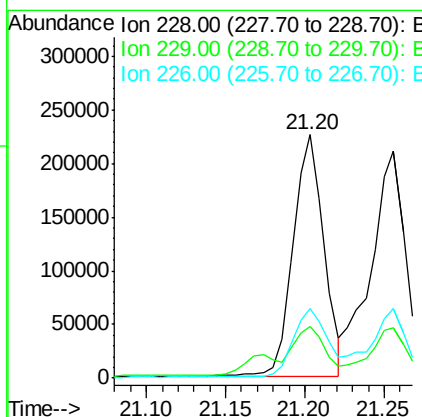
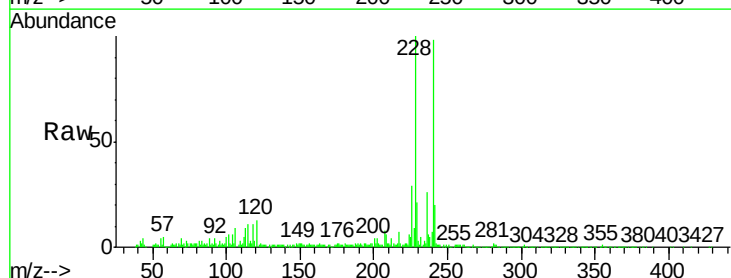
Instrument :
 BNA_M
 ClientSampleId :

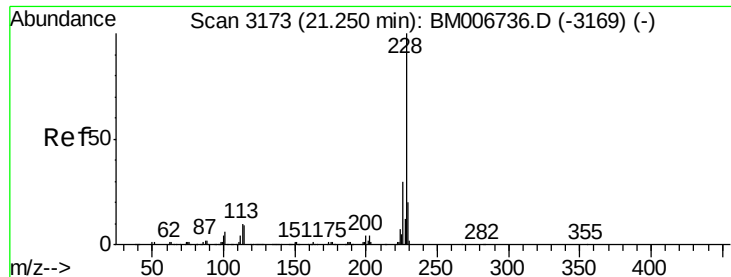
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
100	9.7	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 3.67 ng/ul
 RT: 21.20 min Scan# 3165
 Delta R.T. 0.01 min
 Lab File: BM006812.D
 Acq: 01 Aug 2016 05:36

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	16.6	25.0
226	28.7	21.0	31.4

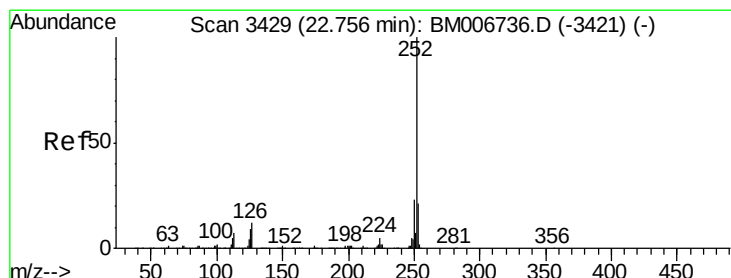
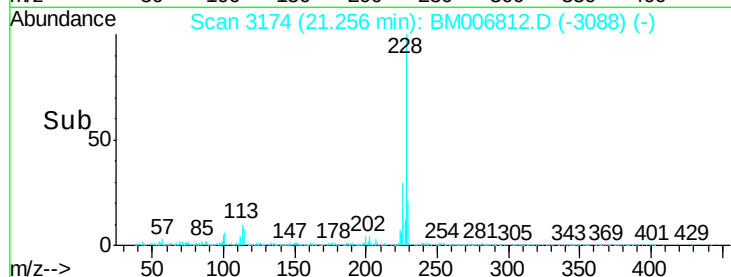
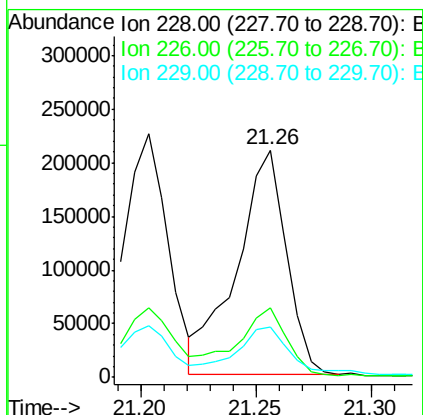
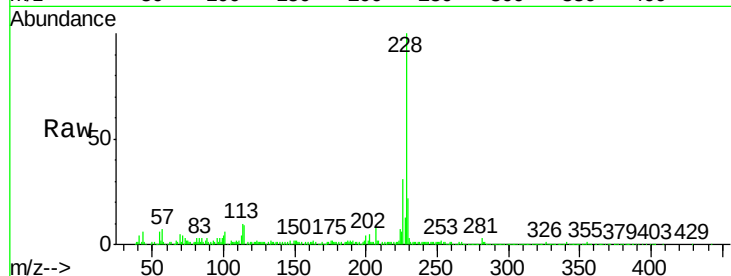




#33
Chrysene
Concen: 4.09 ng/ul
RT: 21.26 min Scan# 3174
Delta R.T. 0.01 min
Lab File: BM006812.D
Acq: 01 Aug 2016 05:36

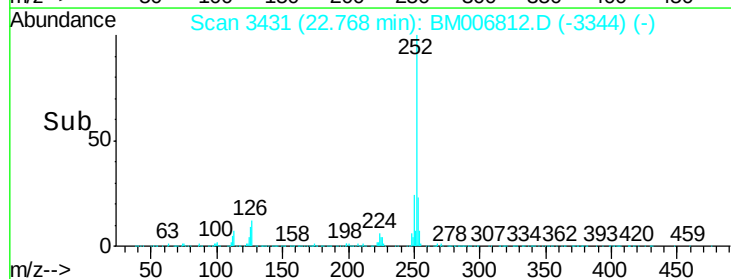
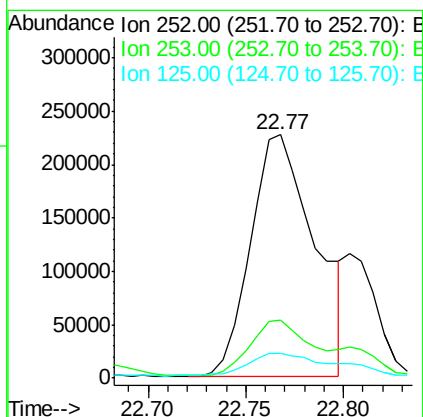
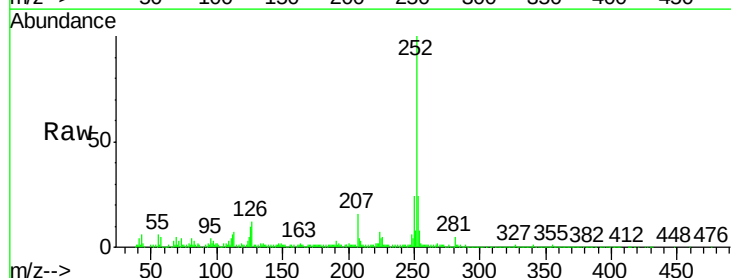
Instrument :
BNA_M
ClientSampleId :

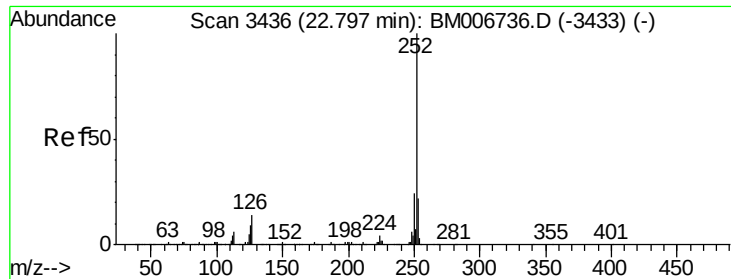
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.4	35.2
229	22.3	16.2	24.2



#35
Benzo(b)fluoranthene
Concen: 5.87 ng/ul
RT: 22.77 min Scan# 3431
Delta R.T. 0.01 min
Lab File: BM006812.D
Acq: 01 Aug 2016 05:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	10.0	7.6	11.4

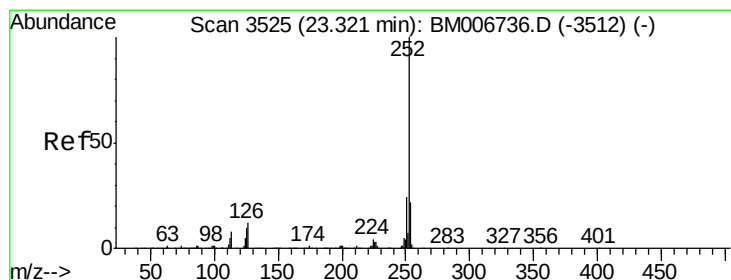
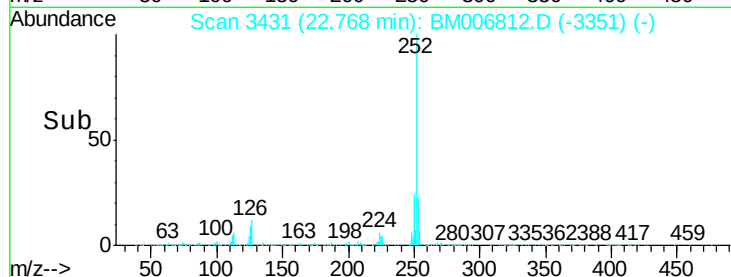
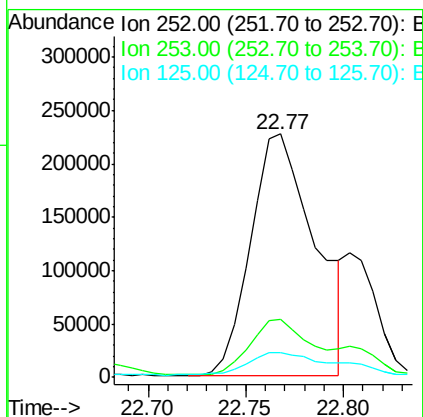
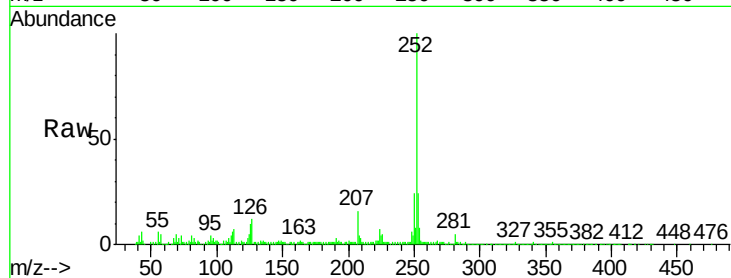




#36
Benzo(k)fluoranthene
Concen: 6.07 ng/ul
RT: 22.77 min Scan# 3431
Delta R.T. -0.03 min
Lab File: BM006812.D
Acq: 01 Aug 2016 05:36

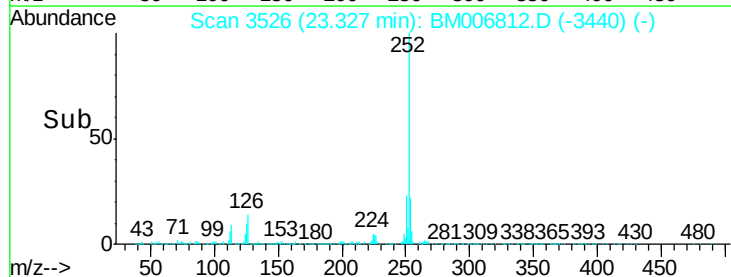
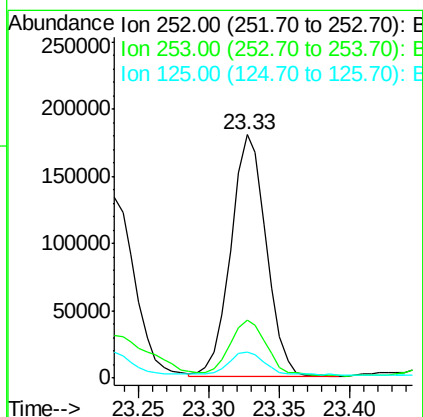
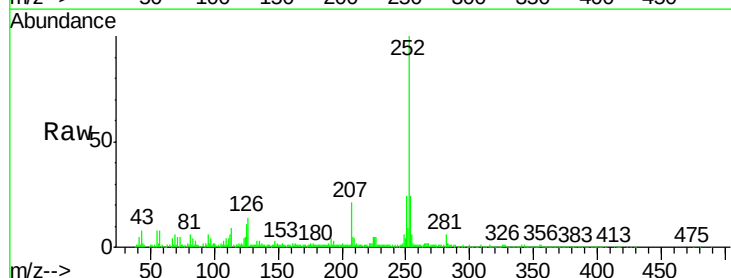
Instrument :
BNA_M
ClientSampleId :

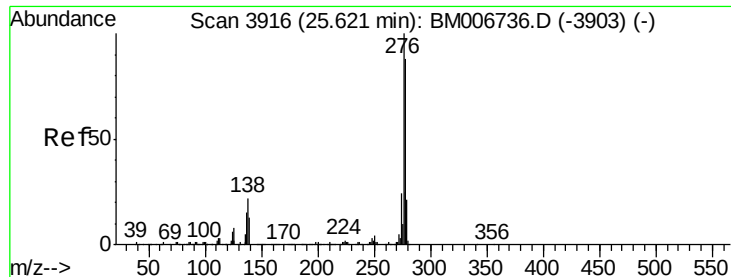
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	10.0	7.7	11.5



#38
Benzo(a)pyrene
Concen: 3.66 ng/ul
RT: 23.33 min Scan# 3526
Delta R.T. 0.01 min
Lab File: BM006812.D
Acq: 01 Aug 2016 05:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	10.5	8.2	12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.53 ng/ul

RT: 25.63 min Scan# 3917

Delta R.T. 0.01 min

Lab File: BM006812.D

Acq: 01 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

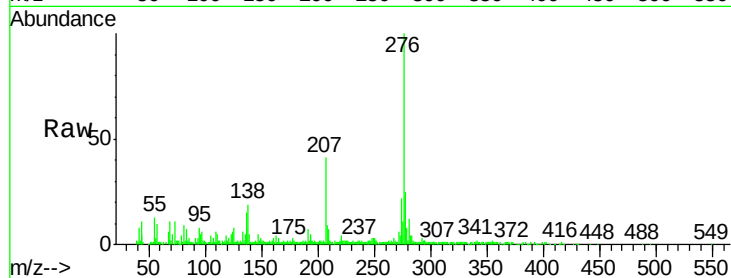
Tot Ion:276 Resp: 251365

Ion Ratio Lower Upper

276 100

138 18.9 15.8 23.6

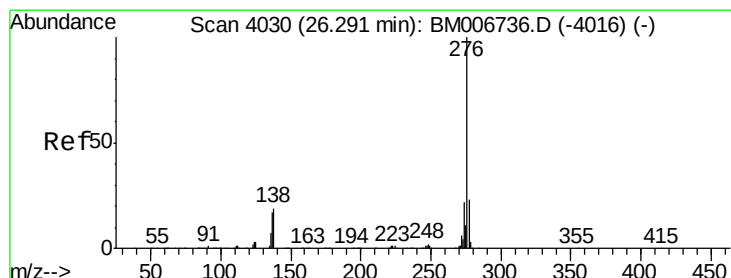
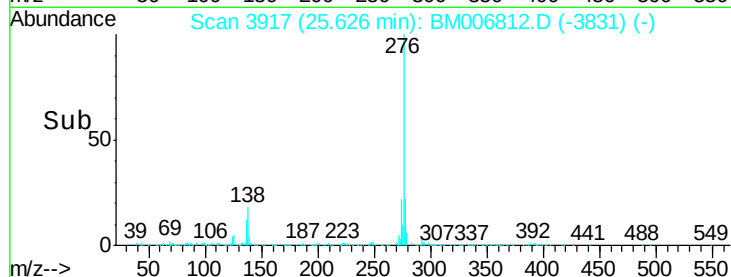
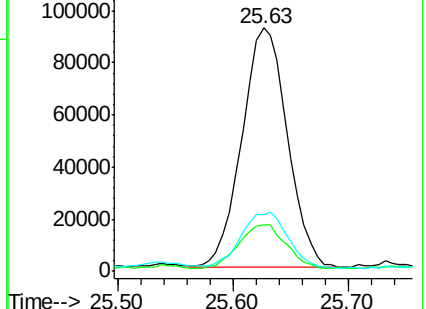
277 23.4 19.0 28.6



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: 2.39 ng/ul

RT: 26.31 min Scan# 4033

Delta R.T. 0.02 min

Lab File: BM006812.D

Acq: 01 Aug 2016 05:36

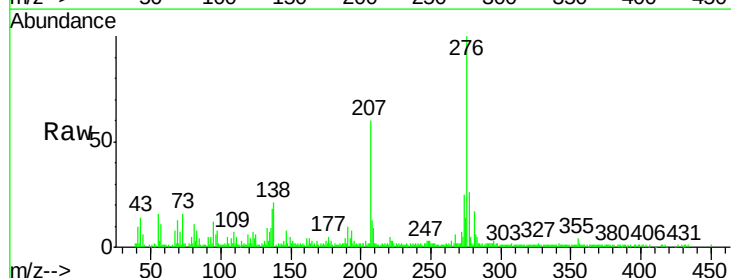
Tgt Ion:276 Resp: 203369

Ion Ratio Lower Upper

276 100

138 21.4 13.9 20.9#

277 25.7 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

