

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
 Data File : BM006805.D
 Acq On : 01 Aug 2016 01:20
 Operator : UM/SJ
 Sample : H4188-14
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 04:30:30 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	205815	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	866870	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	474213	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1042432	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1140224	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1188412	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	6162	1.21	ng/uL	0.00
3) Phenol-d5	6.79	99	213312	12.18	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	166386	15.34	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	191708	13.70	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	125321	9.23	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	100892	15.38	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	110849	15.89	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	188185	14.27	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	198536	13.67	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	589673	15.86	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	760185	16.02	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	57282	8.87	ng/ul	0.01
21) Fluorene-d10	15.26	176	531603	15.99	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	44497	8.22	ng/ul	0.00
26) Anthracene-d10	17.11	188	797292	16.11	ng/ul	0.00
30) Pyrene-d10	19.42	212	893363	17.19	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	889970	16.28	ng/ul	0.00

Target Compounds

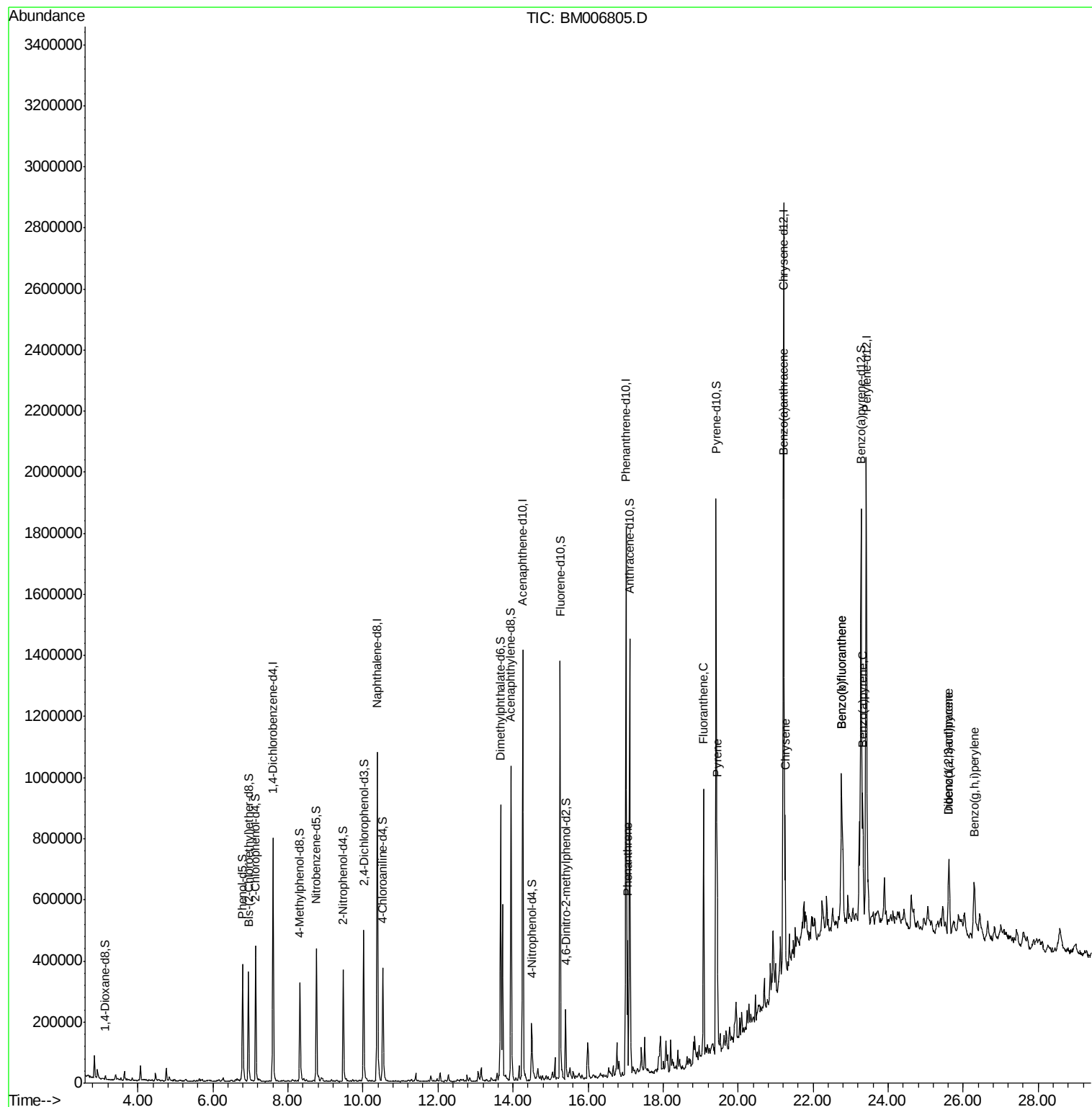
						Ovalue
25) Phenanthrene	17.05	178	250733	4.28	ng/ul	99
28) Fluoranthene	19.08	202	535647	7.78	ng/ul	98
31) Pyrene	19.44	202	440792	6.38	ng/ul	98
32) Benzo(a)anthracene	21.20	228	285798	4.14	ng/ul	96
33) Chrysene	21.25	228	284563	4.47	ng/ul	98
35) Benzo(b)fluoranthene	22.76	252	422379	5.93	ng/ul	99
36) Benzo(k)fluoranthene	22.76	252	422379	6.13	ng/ul	98
38) Benzo(a)pyrene	23.32	252	292896	4.22	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.62	276	233858	2.91	ng/ul	94
40) Dibenzo(a,h)anthracene	25.61	278	73395	1.10	ng/ul#	84
41) Benzo(g,h,i)perylene	26.30	276	227198	3.30	ng/ul#	94

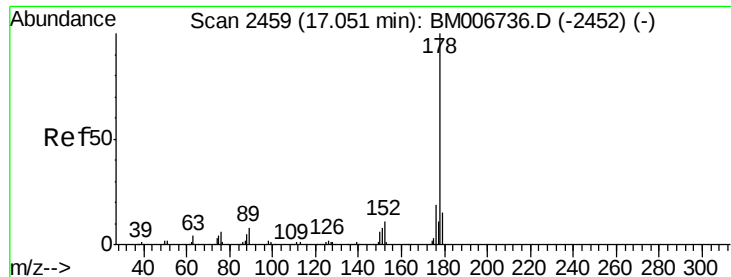
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 4.28 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006805.D

Acq: 01 Aug 2016 01:20

Instrument :

BNA_M

ClientSampleId :

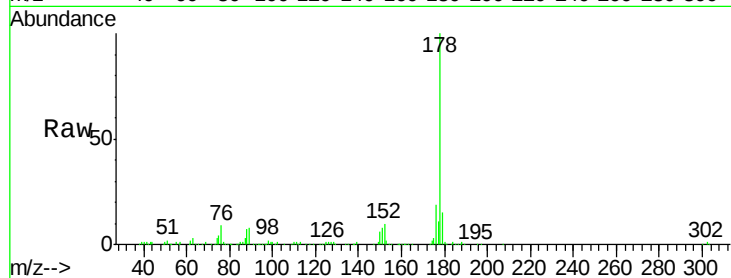
Tot Ion:178 Resp: 250733

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

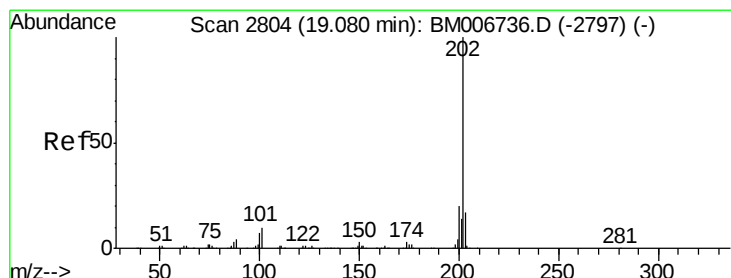
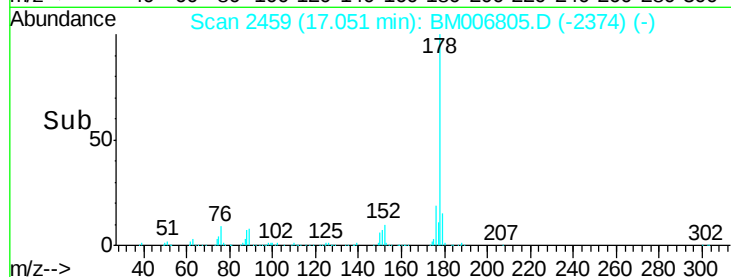
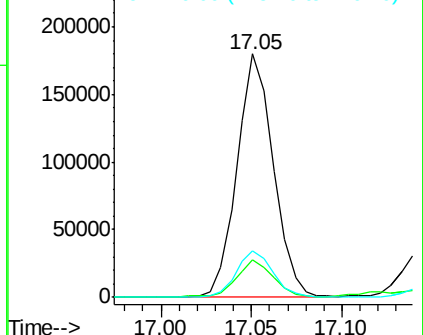
176 18.9 14.8 22.2



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: 7.78 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006805.D

Acq: 01 Aug 2016 01:20

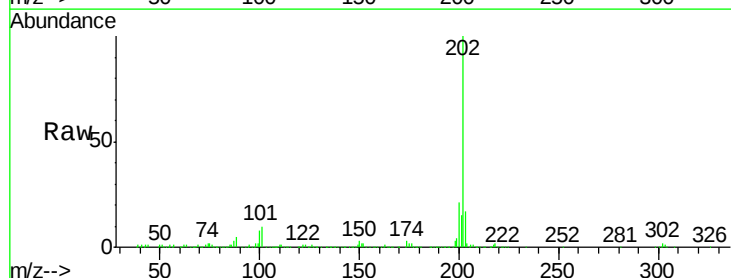
Tgt Ion:202 Resp: 535647

Ion Ratio Lower Upper

202 100

101 10.5 8.9 13.3

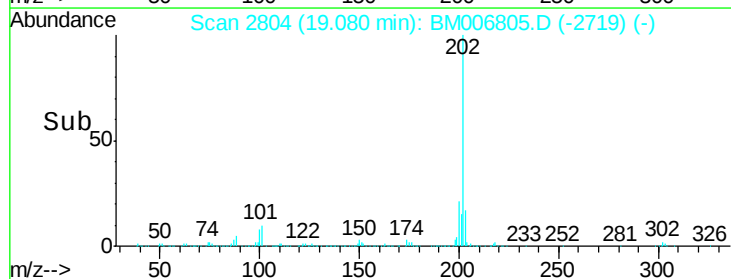
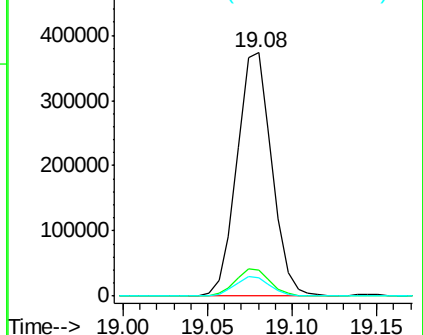
100 7.8 7.0 10.4

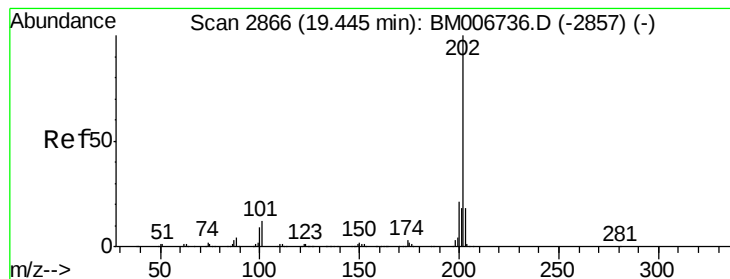


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pvrene

Concen: 6.38 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006805.D

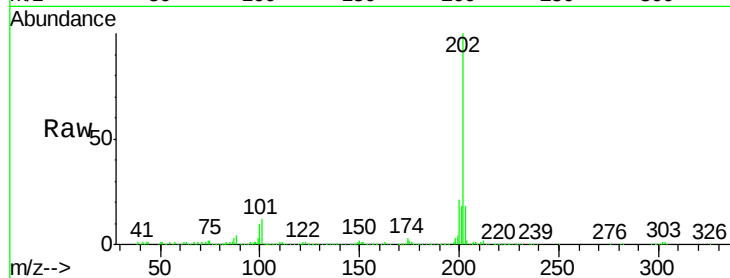
Acq: 01 Aug 2016 01:20

Instrument :

BNA_M

ClientSampleId :

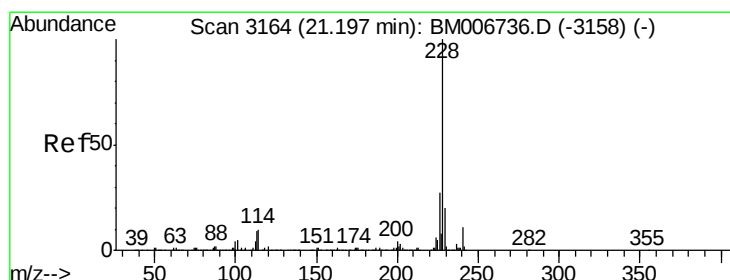
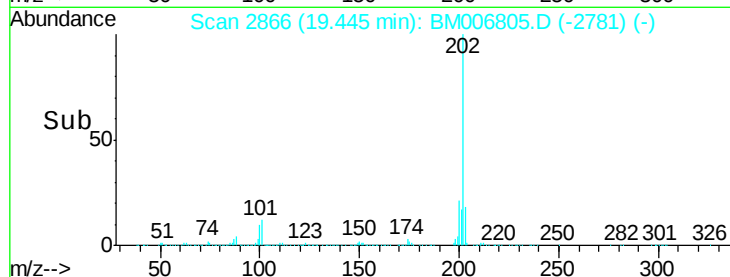
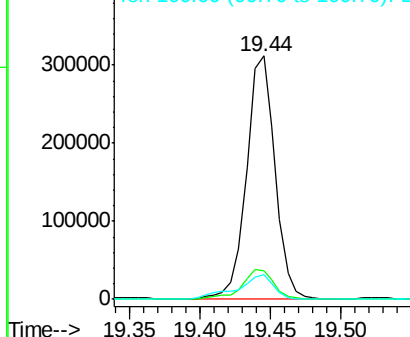
Tot Ion:	202	Resp:	440792
Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.8	14.8
100	10.2	9.3	13.9



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



#32

Benzo(a)anthracene

Concen: 4.14 ng/ul

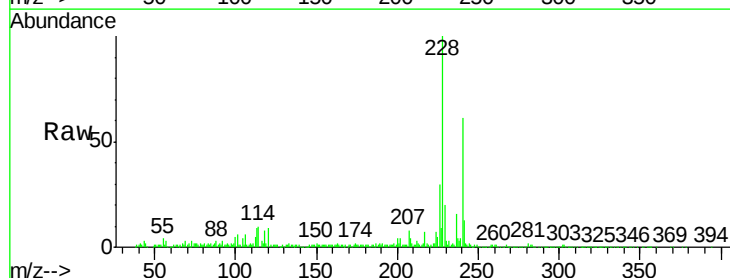
RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006805.D

Acq: 01 Aug 2016 01:20

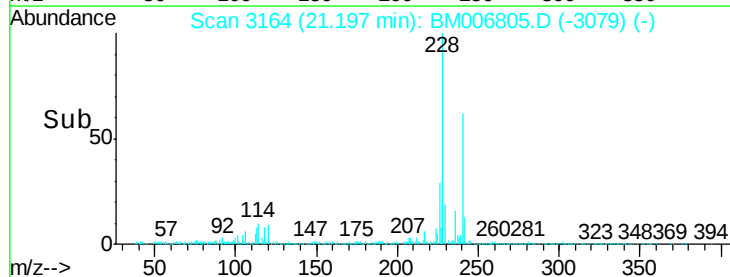
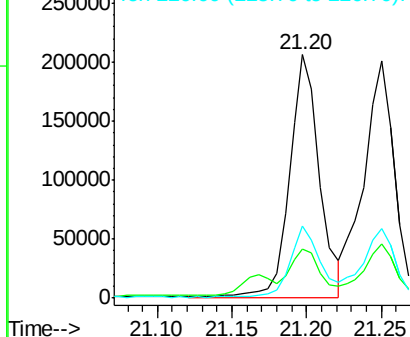
Tgt Ion:	228	Resp:	285798
Ion	Ratio	Lower	Upper
228	100		
229	20.4	16.6	25.0
226	29.7	21.0	31.4

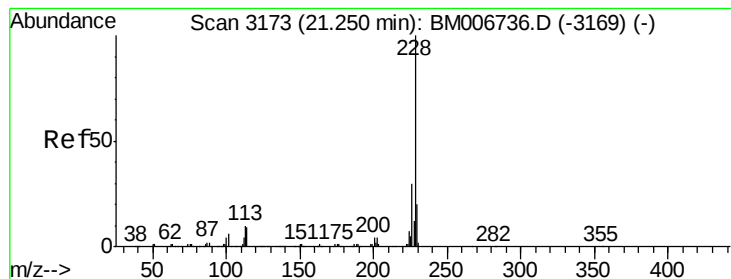


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.47 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006805.D

Acq: 01 Aug 2016 01:20

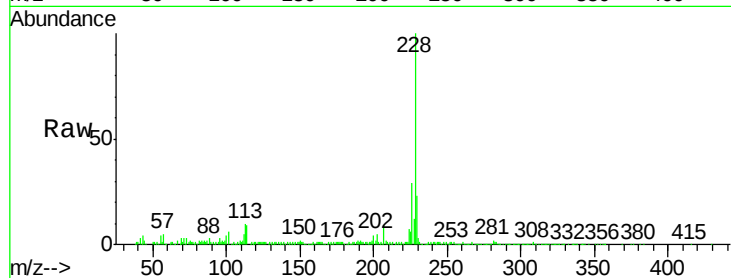
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 284563

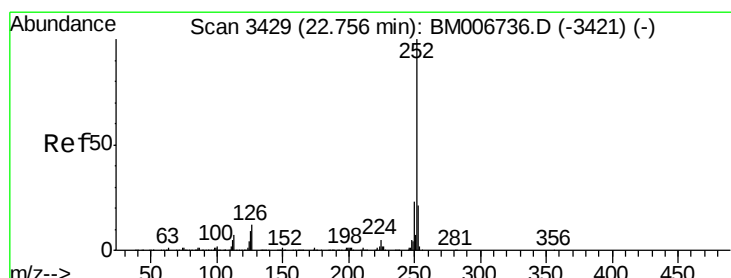
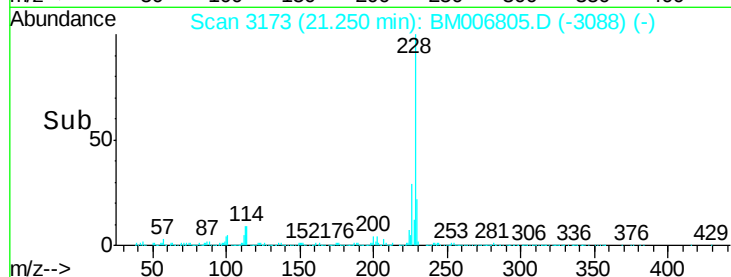
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.2
229	22.6	16.2	24.2



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: 5.93 ng/ul

RT: 22.76 min Scan# 3430

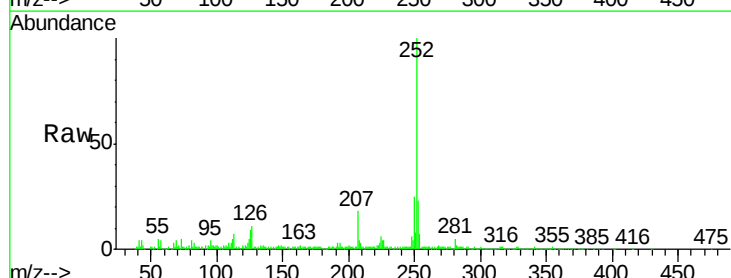
Delta R.T. 0.01 min

Lab File: BM006805.D

Acq: 01 Aug 2016 01:20

Tgt Ion:252 Resp: 422379

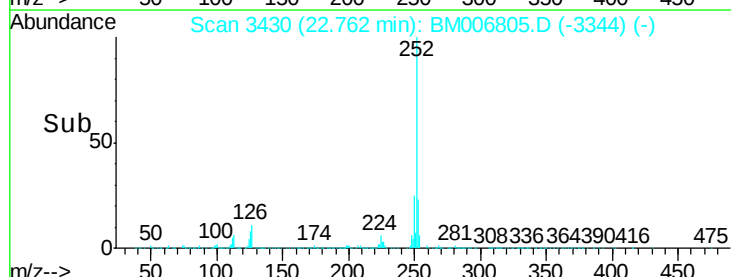
Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	9.5	7.6	11.4

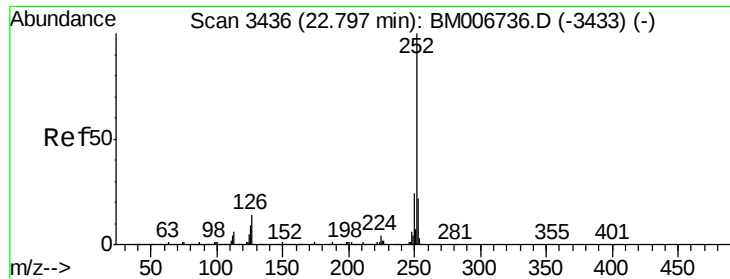


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

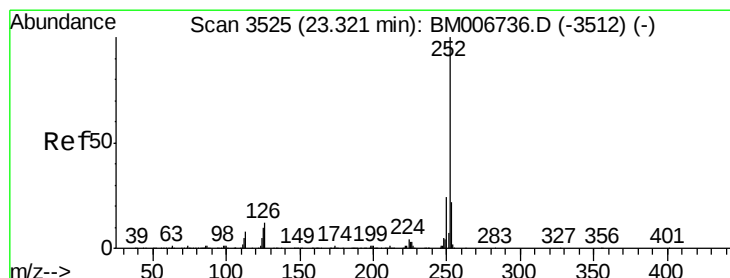
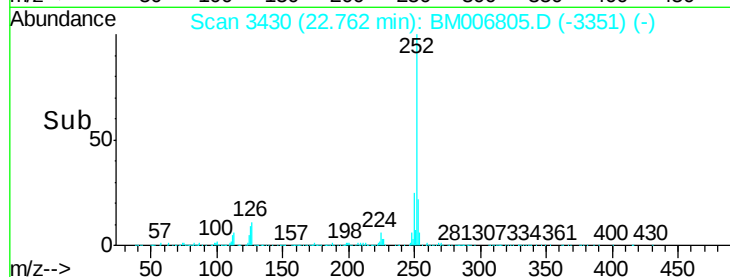
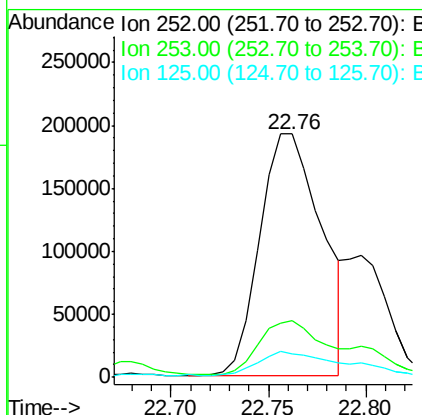
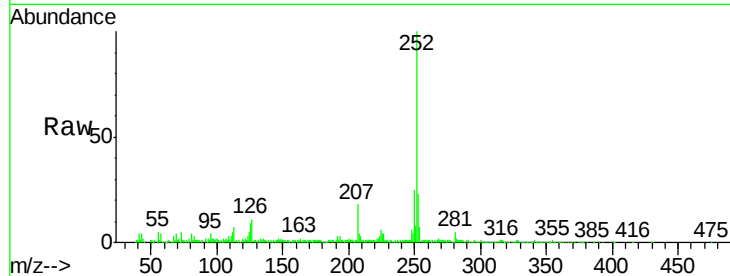




#36
Benzo(k)fluoranthene
Concen: 6.13 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. -0.04 min
Lab File: BM006805.D
Acq: 01 Aug 2016 01:20

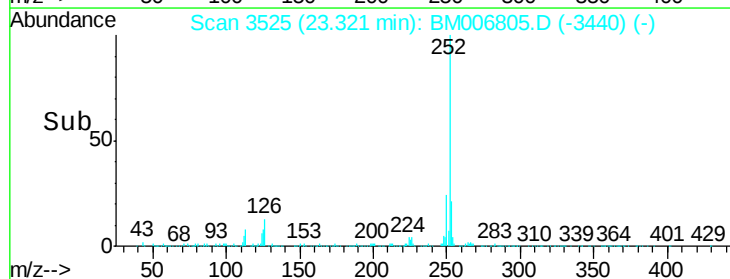
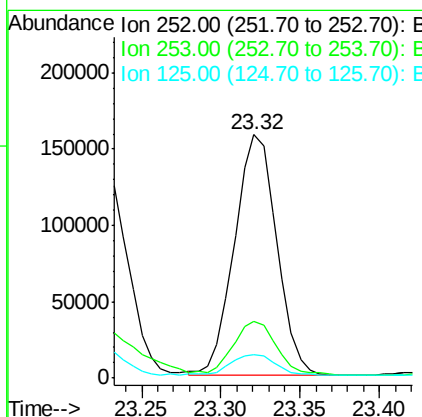
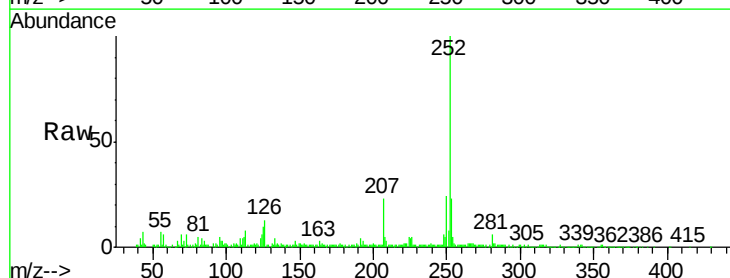
Instrument :
BNA_M
ClientSampled :

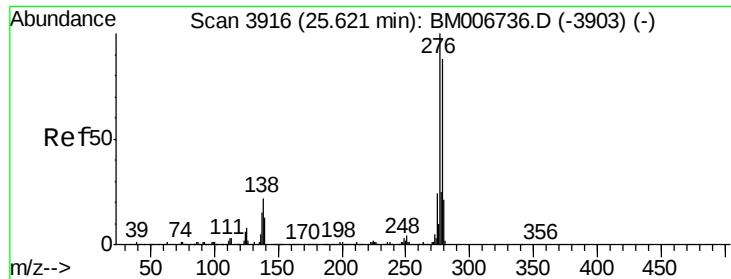
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	9.5	7.7	11.5



#38
Benzo(a)pyrene
Concen: 4.22 ng/ul
RT: 23.32 min Scan# 3525
Delta R.T. 0.00 min
Lab File: BM006805.D
Acq: 01 Aug 2016 01:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	9.6	8.2	12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.91 ng/ul

RT: 25.62 min Scan# 3916

Delta R.T. 0.00 min

Lab File: BM006805.D

Acq: 01 Aug 2016 01:20

Instrument :

BNA_M

ClientSampled :

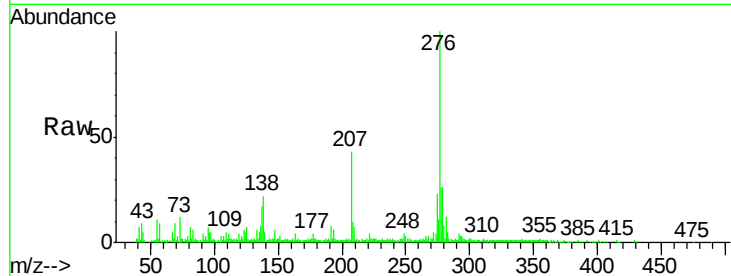
Tot Ion:276 Resp: 233858

Ion Ratio Lower Upper

276 100

138 22.4 15.8 23.6

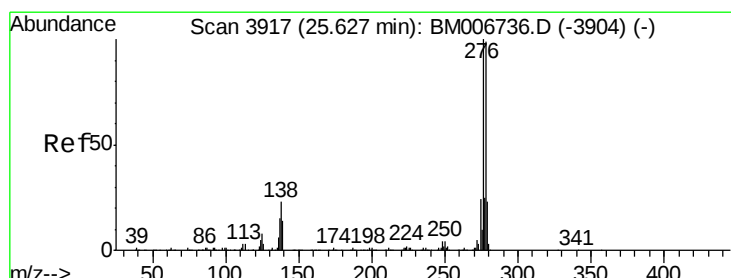
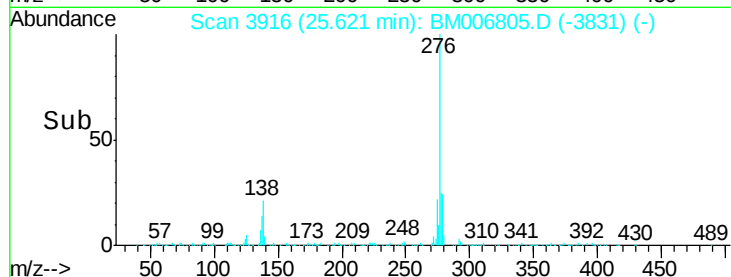
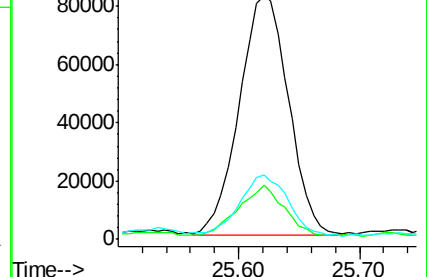
277 26.4 19.0 28.6



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



#40

Dibenzo(a,h)anthracene

Concen: 1.10 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006805.D

Acq: 01 Aug 2016 01:20

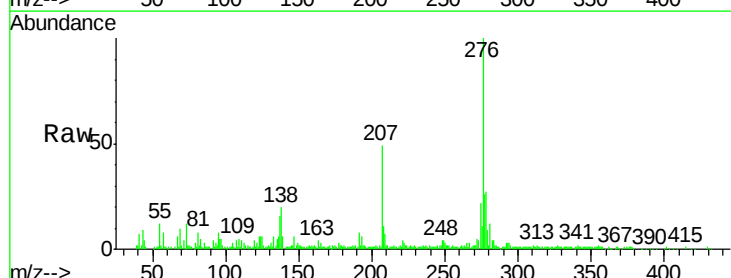
Tgt Ion:278 Resp: 73395

Ion Ratio Lower Upper

278 100

139 21.8 12.1 18.1#

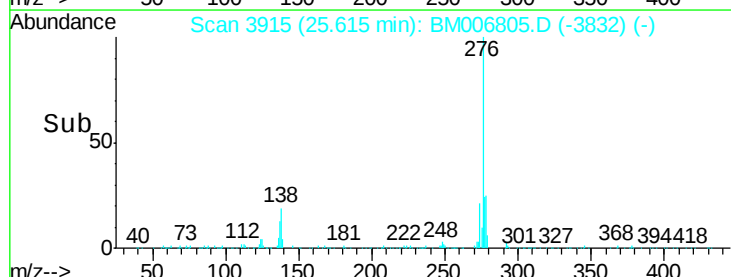
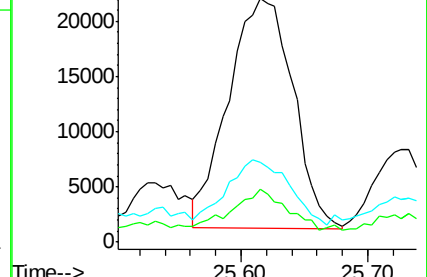
279 33.0 19.8 29.8#

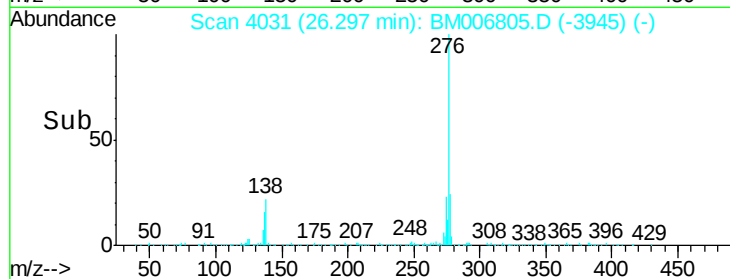
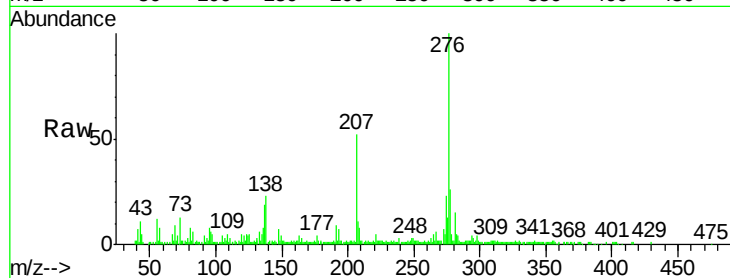
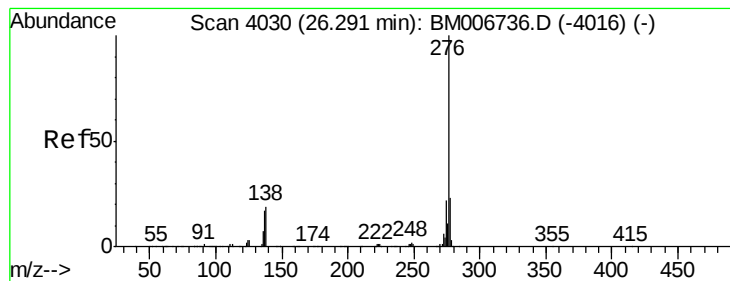


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 3.30 ng/ul

RT: 26.30 min Scan# 4031

Delta R.T. 0.01 min

Lab File: BM006805.D

Acq: 01 Aug 2016 01:20

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 227198

Ion Ratio Lower Upper

276 100

138 22.7 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

