

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
 Data File : BM006798.D
 Acq On : 31 Jul 2016 21:03
 Operator : UM/SJ
 Sample : H4190-06
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 04:29:15 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	211589	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	918160	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	516073	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1188331	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1362043	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1457833	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	6232	1.19	ng/uL	0.00
3) Phenol-d5	6.79	99	243964	13.55	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	180966	16.23	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	211259	14.69	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	142525	10.21	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	108921	15.67	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	120063	16.24	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	203687	14.58	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	195163	12.69	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	647359	16.00	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	838802	16.24	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	67735	9.64	ng/ul	0.00
21) Fluorene-d10	15.26	176	587487	16.23	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	65658	10.64	ng/ul	0.00
26) Anthracene-d10	17.11	188	894443	15.85	ng/ul	0.00
30) Pyrene-d10	19.41	212	1041542	16.78	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	1067771	15.92	ng/ul	0.00

Target Compounds

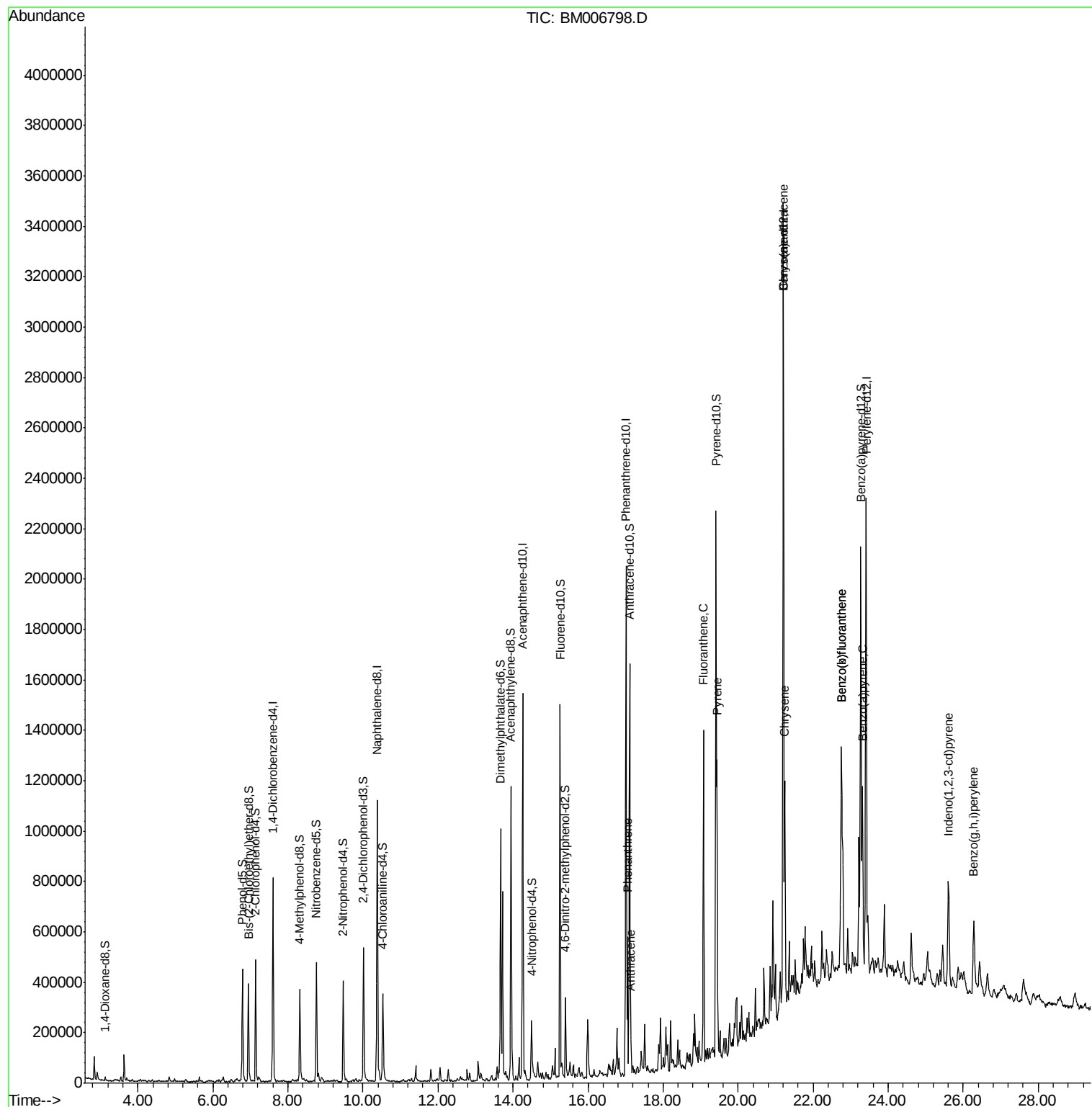
						Ovalue
25) Phenanthrene	17.05	178	321570	4.81	ng/ul	98
27) Anthracene	17.14	178	84198	1.22	ng/ul	97
28) Fluoranthene	19.07	202	783150	9.97	ng/ul	98
31) Pyrene	19.44	202	675282	8.19	ng/ul	96
32) Benzo(a)anthracene	21.20	228	482407	5.84	ng/ul	96
33) Chrysene	21.24	228	507779	6.67	ng/ul	96
35) Benzo(b)fluoranthene	22.76	252	764144	8.74	ng/ul	99
36) Benzo(k)fluoranthene	22.76	252	764144	9.04	ng/ul	99
38) Benzo(a)pyrene	23.31	252	495692	5.83	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.61	276	399725	4.06	ng/ul	98
41) Benzo(g,h,i)perylene	26.29	276	355051	4.21	ng/ul	95

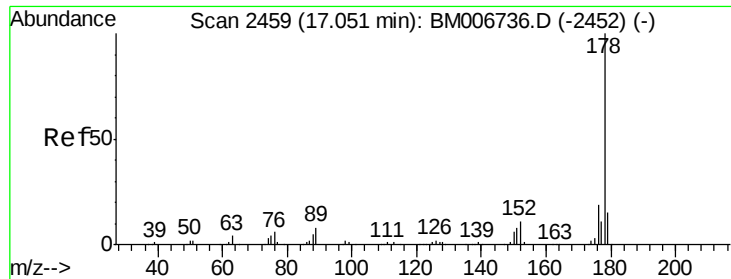
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
Data File : BM006798.D
Acq On : 31 Jul 2016 21:03
Operator : UM/SJ
Sample : H4190-06
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 01 04:29:15 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





#25

Phenanthrene

Concen: 4.81 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

Instrument :

BNA_M

ClientSampleId :

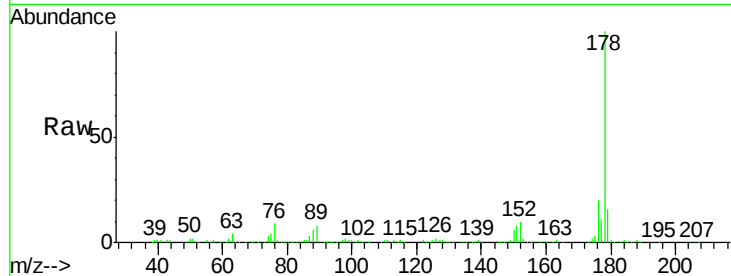
Tot Ion:178 Resp: 321570

Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.8

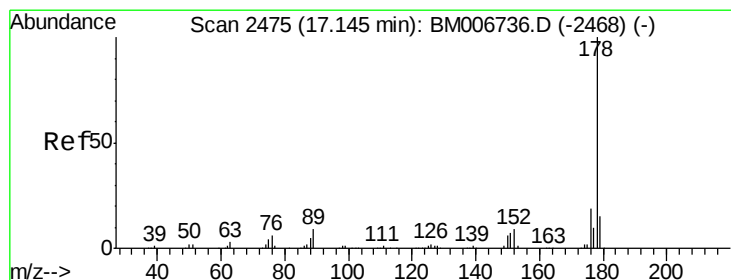
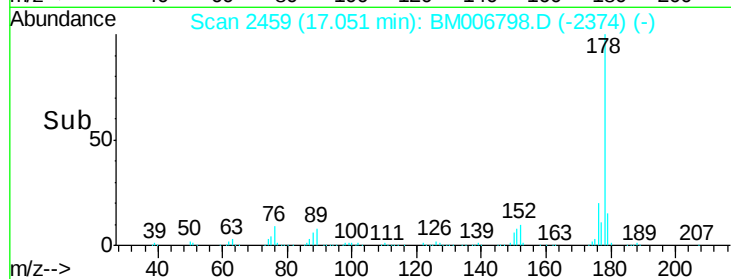
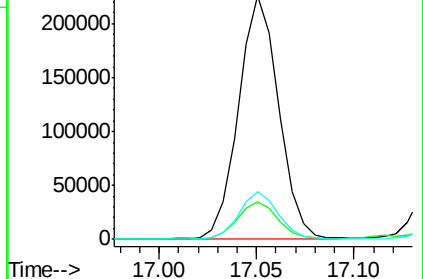
176 19.7 14.8 22.2



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



#27

Anthracene

Concen: 1.22 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. -0.00 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

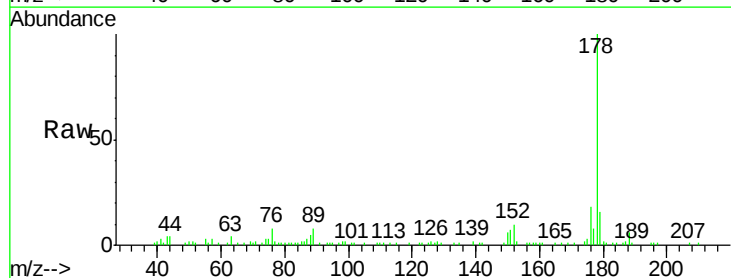
Tgt Ion:178 Resp: 84198

Ion Ratio Lower Upper

178 100

179 15.5 12.9 19.3

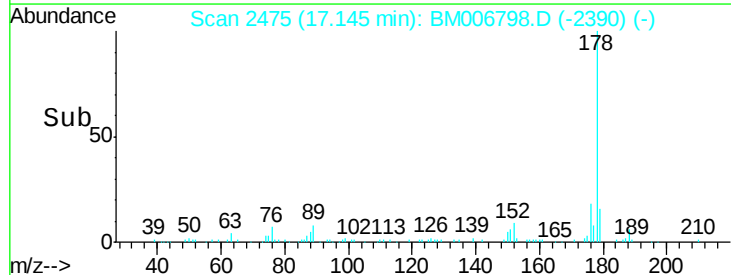
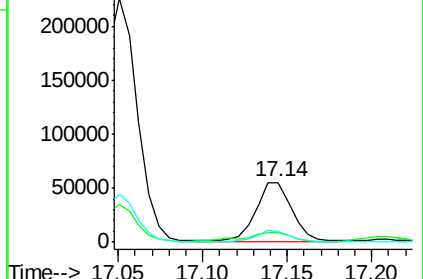
176 17.8 15.6 23.4

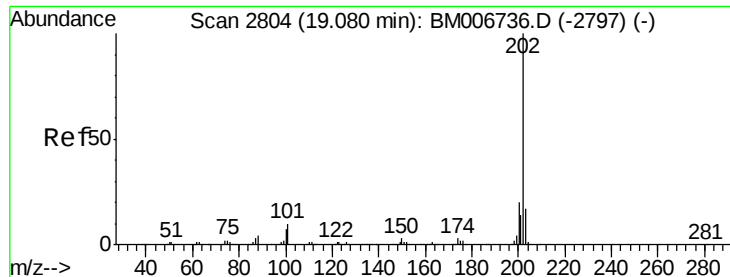


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 9.97 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006798.D

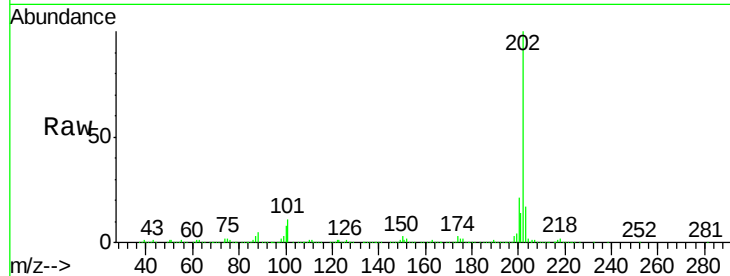
Acq: 31 Jul 2016 21:03

Instrument :

BNA_M

ClientSampleId :

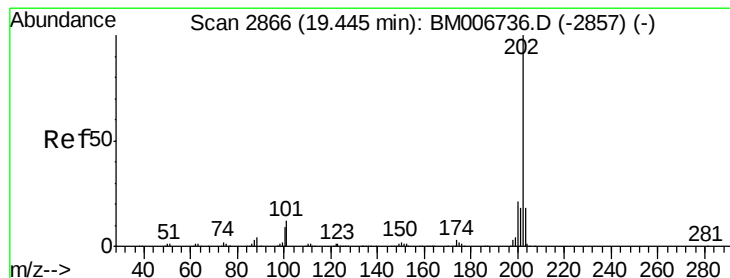
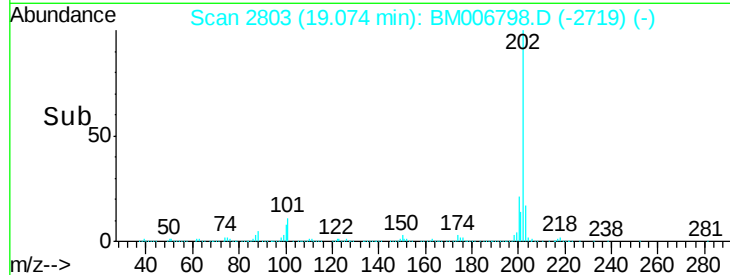
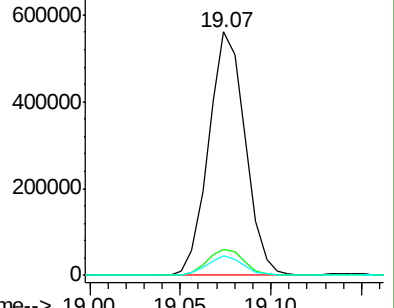
Tot Ion:	202	Resp:	783150
Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.9	13.3
100	7.9	7.0	10.4



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

Pyrene

Concen: 8.19 ng/ul

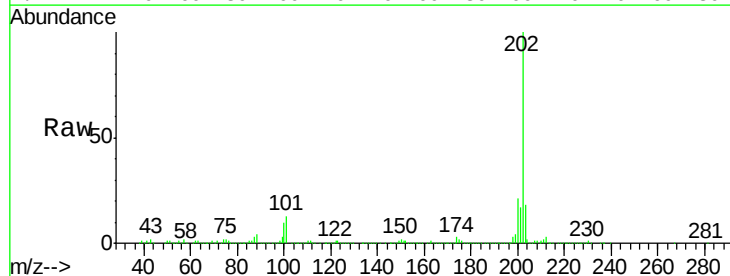
RT: 19.44 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

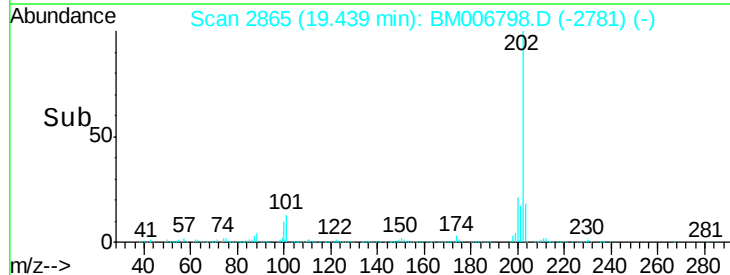
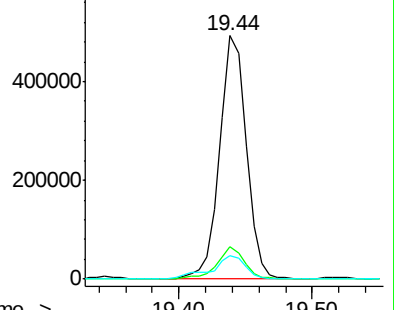
Tgt Ion:	202	Resp:	675282
Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.8	14.8
100	9.7	9.3	13.9

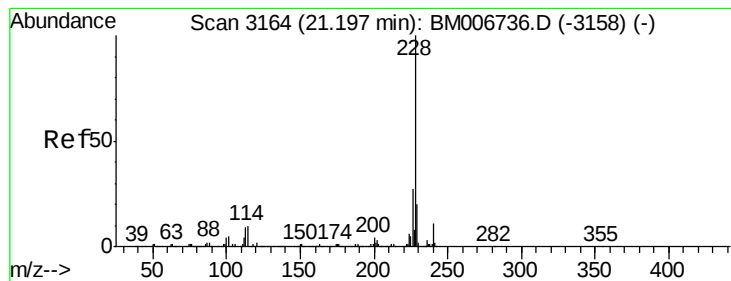


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 5.84 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

Instrument :

BNA_M

ClientSampled :

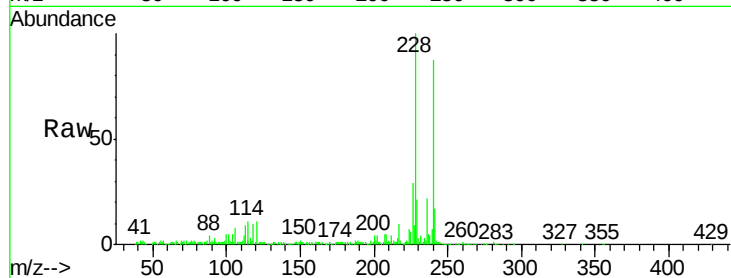
Tot Ion:228 Resp: 482407

Ion Ratio Lower Upper

228 100

229 21.2 16.6 25.0

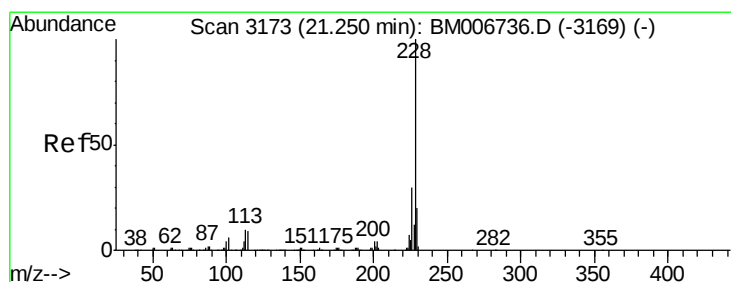
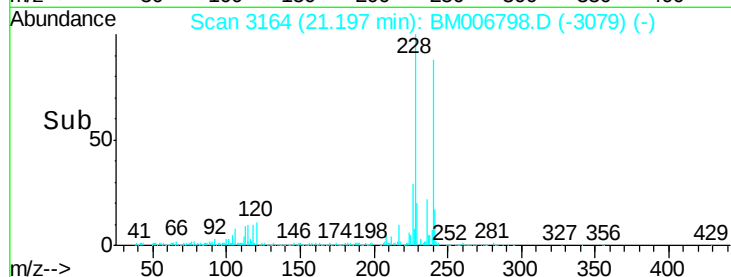
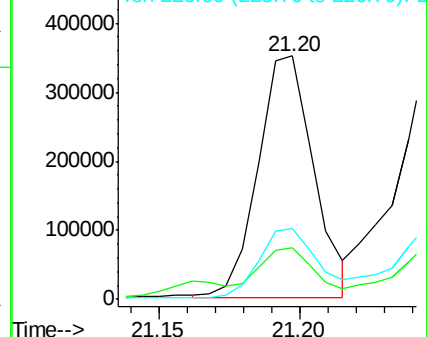
226 29.2 21.0 31.4



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: 6.67 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

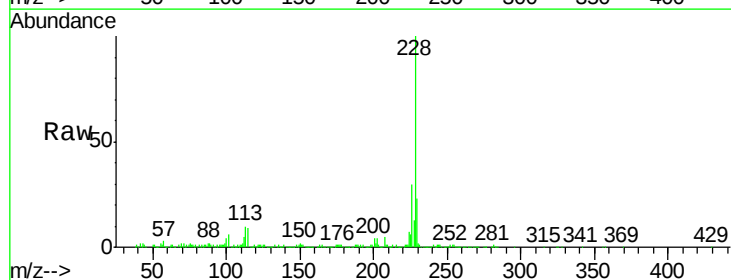
Tgt Ion:228 Resp: 507779

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

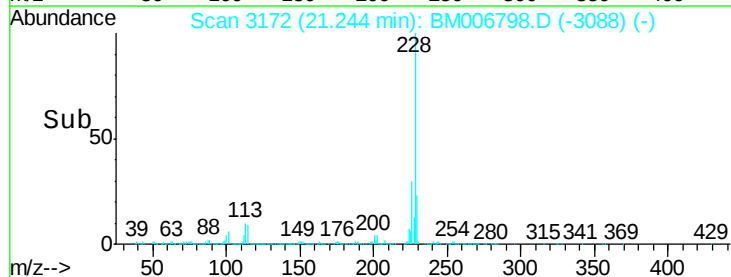
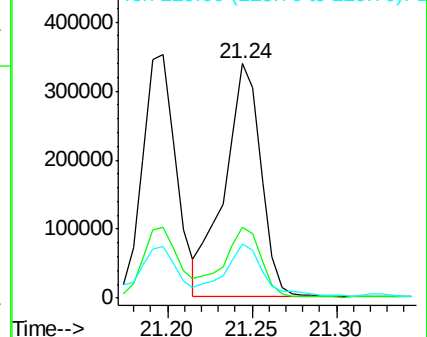
229 23.0 16.2 24.2

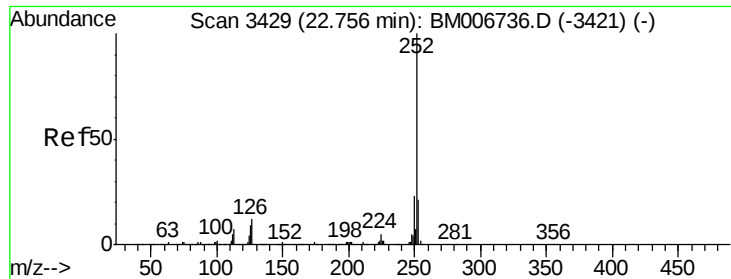


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 8.74 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

Instrument :

BNA_M

ClientSampleId :

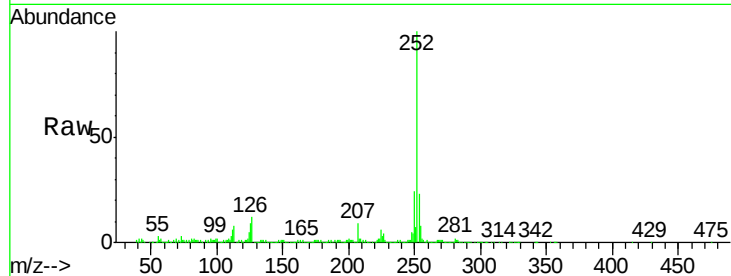
Tot Ion:252 Resp: 764144

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

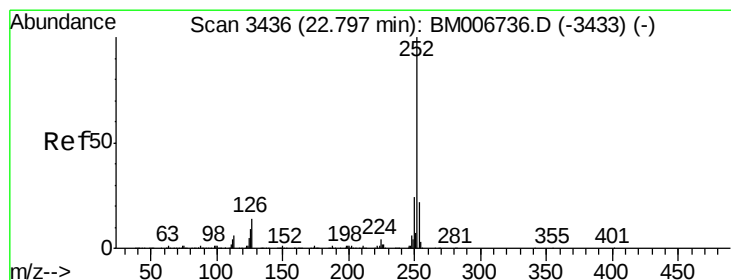
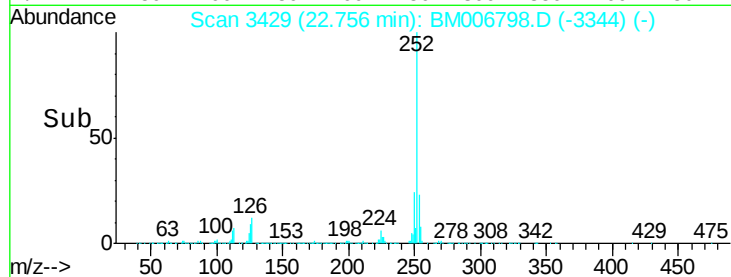
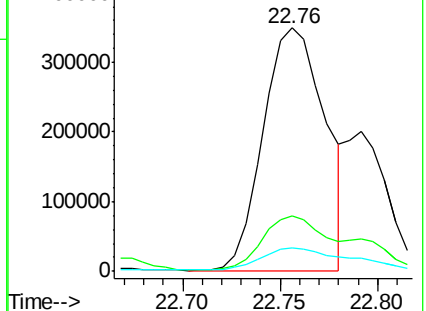
125 9.4 7.6 11.4



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: 9.04 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.04 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

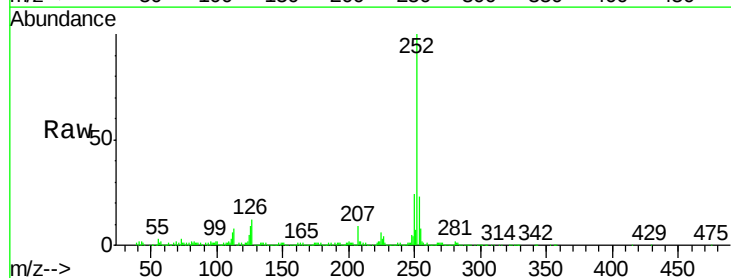
Tgt Ion:252 Resp: 764144

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

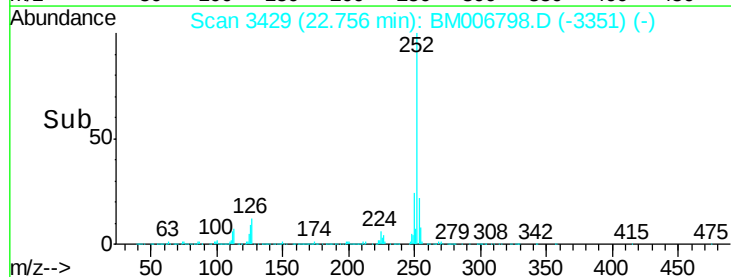
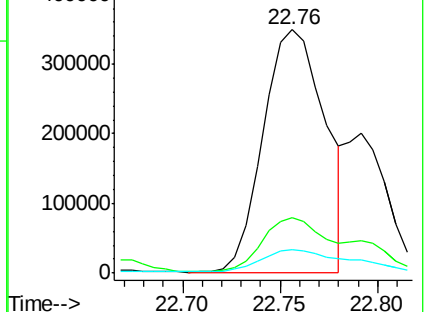
125 9.4 7.7 11.5

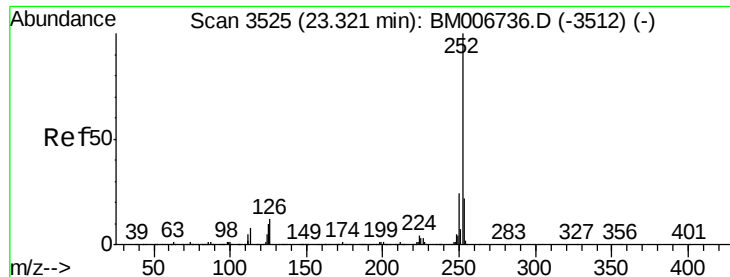


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 5.83 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

Instrument :

BNA_M

ClientSampleId :

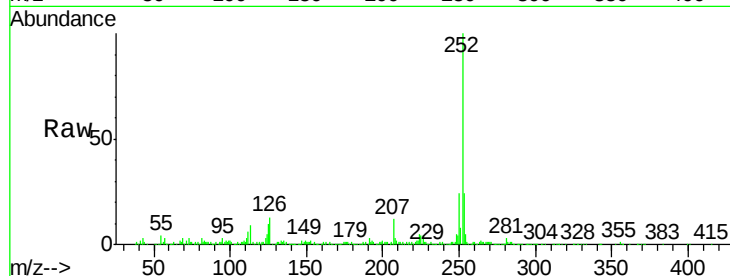
Tot Ion:252 Resp: 495692

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

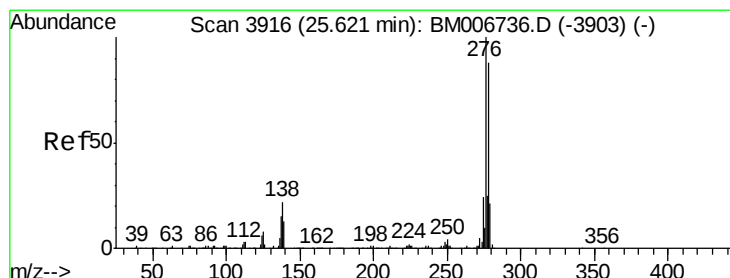
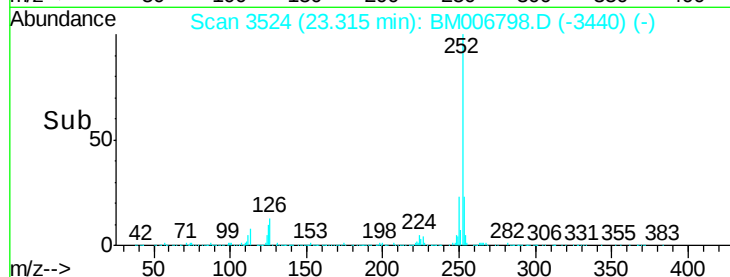
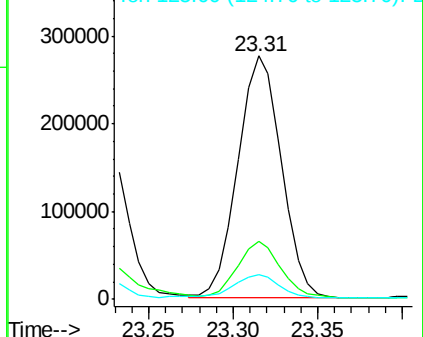
125 10.2 8.2 12.2



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: 4.06 ng/ul

RT: 25.61 min Scan# 3914

Delta R.T. -0.01 min

Lab File: BM006798.D

Acq: 31 Jul 2016 21:03

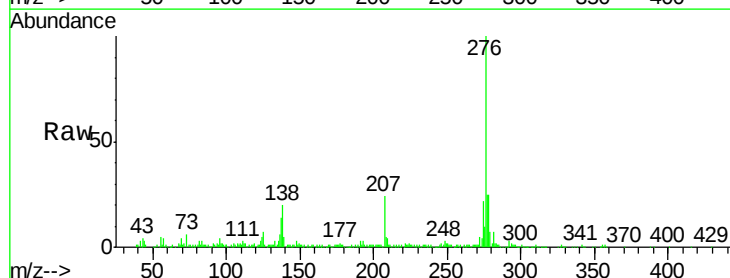
Tgt Ion:276 Resp: 399725

Ion Ratio Lower Upper

276 100

138 20.3 15.8 23.6

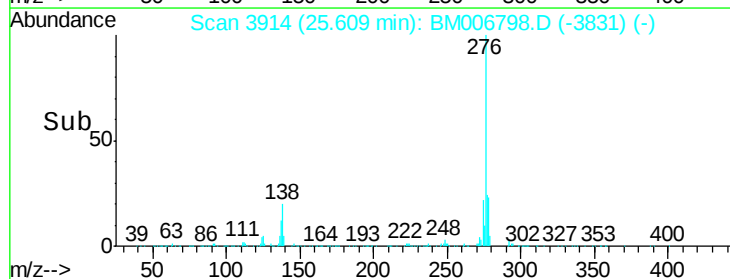
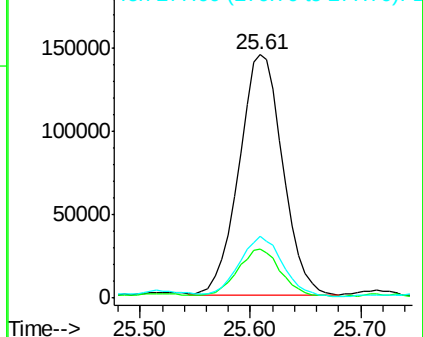
277 25.2 19.0 28.6

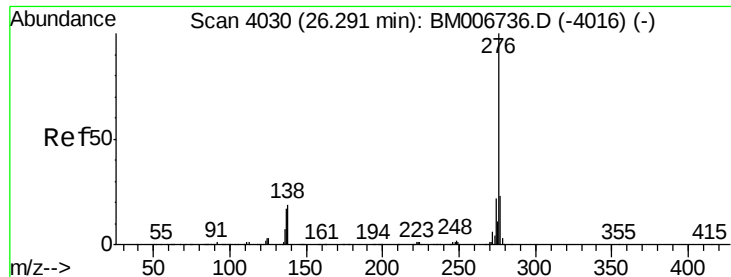


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

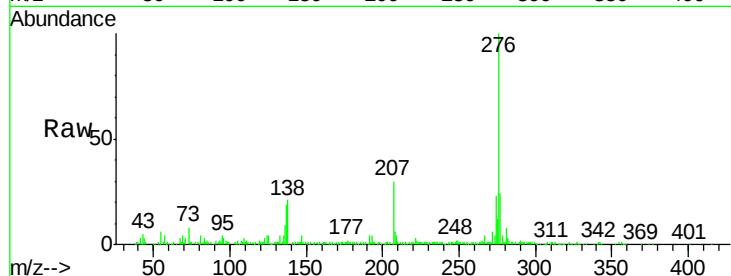




#41
 Benzo(a,h,i)perylene
 Concen: 4.21 ng/ul
 RT: 26.29 min Scan# 4029
 Delta R.T. -0.01 min
 Lab File: BM006798.D
 Acq: 31 Jul 2016 21:03

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	13.9	20.9
277	23.6	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

