

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
 Data File : BM006785.D
 Acq On : 31 Jul 2016 12:30
 Operator : UM/SJ
 Sample : H4189-05
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 04:27:12 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	184316	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	772974	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	420419	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.10	188	1068913	20.00	ng/ul	0.09
29) Chrysene-d12	21.21	240	1145097	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1197752	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	8778	1.93	ng/uL	0.00
3) Phenol-d5	6.79	99	305068	19.45	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	230064	23.68	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	268465	21.43	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	160378	13.19	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	136459	23.32	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	149250	23.99	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	250101	21.27	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	302980	23.40	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	782040	23.72	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	1020804	24.26	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	92048	16.08	ng/ul	0.00
21) Fluorene-d10	15.26	176	702294	23.82	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	84069	15.15	ng/ul	0.00
26) Anthracene-d10	17.10	188	1068913	21.06	ng/ul	0.00
30) Pyrene-d10	19.41	212	1305827	25.03	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	1368318	24.84	ng/ul	-0.01

Target Compounds

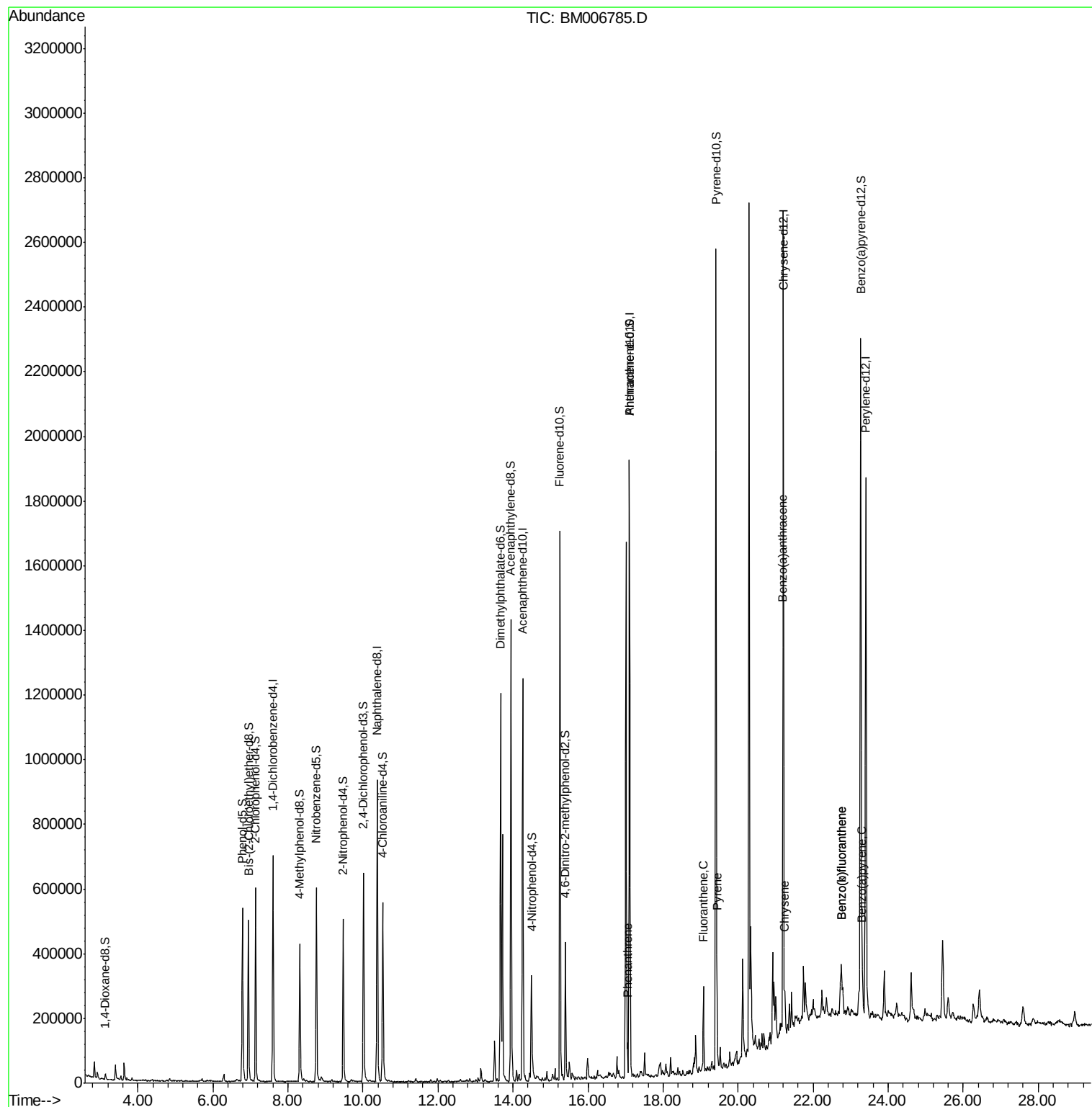
						Ovalue
25) Phenanthrene	17.05	178	60958	1.01	ng/ul	96
28) Fluoranthene	19.07	202	148214	2.10	ng/ul	99
31) Pyrene	19.44	202	130877	1.89	ng/ul	98
32) Benzo(a)anthracene	21.19	228	87006	1.25	ng/ul	97
33) Chrysene	21.24	228	87252	1.36	ng/ul	95
35) Benzo(b)fluoranthene	22.75	252	123006	1.71	ng/ul	98
36) Benzo(k)fluoranthene	22.75	252	123006	1.77	ng/ul	98
38) Benzo(a)pyrene	23.31	252	80619	1.15	ng/ul	97

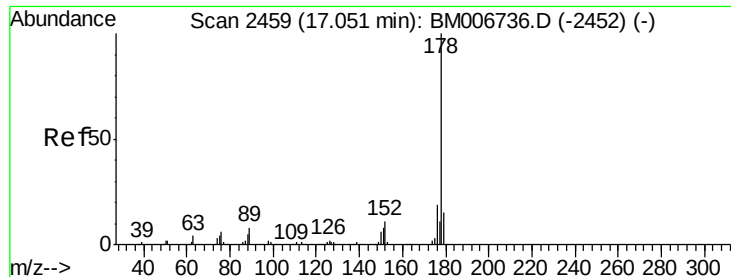
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.01 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006785.D

Acq: 31 Jul 2016 12:30

Instrument :

BNA_M

ClientSampled :

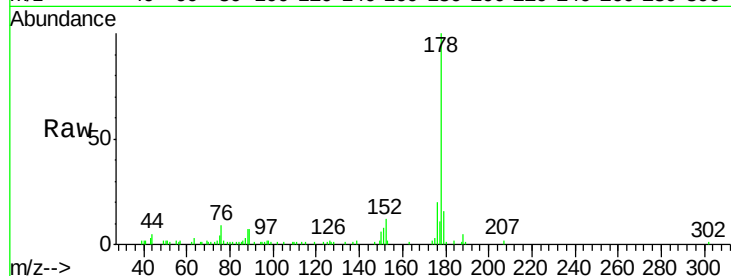
Tot Ion:178 Resp: 60958

Ion Ratio Lower Upper

178 100

179 16.4 11.8 17.8

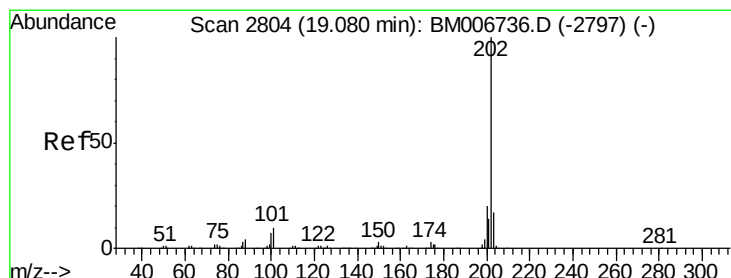
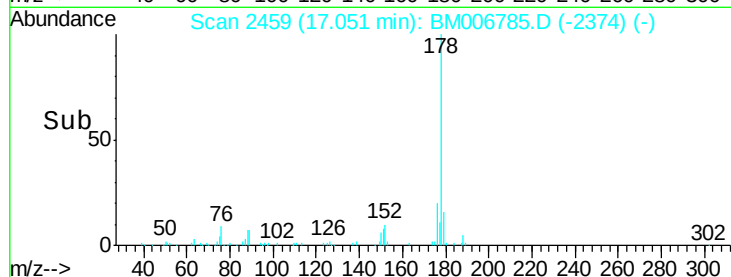
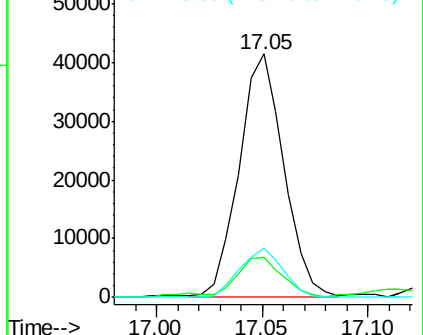
176 20.3 14.8 22.2



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: 2.10 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006785.D

Acq: 31 Jul 2016 12:30

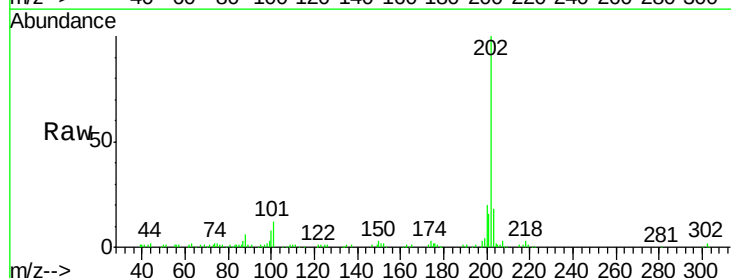
Tgt Ion:202 Resp: 148214

Ion Ratio Lower Upper

202 100

101 11.7 8.9 13.3

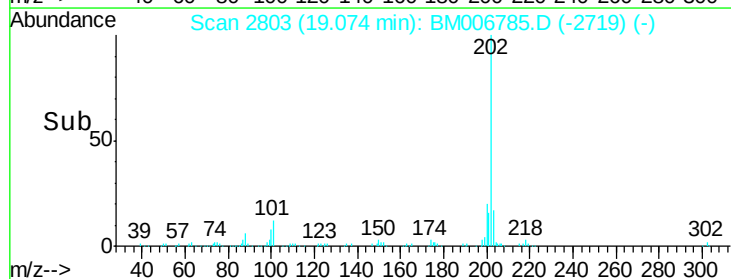
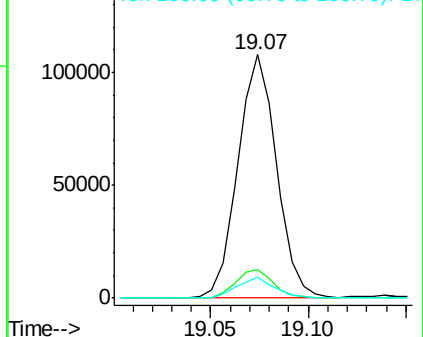
100 8.4 7.0 10.4

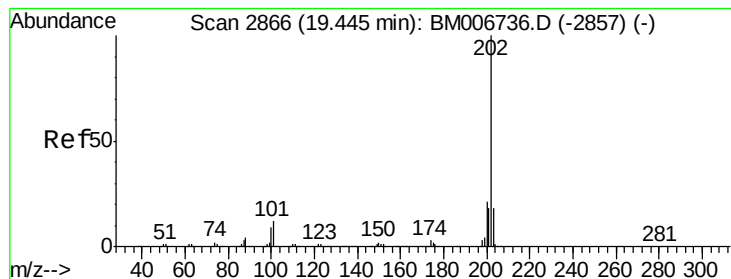


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pvrene

Concen: 1.89 ng/ul

RT: 19.44 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM006785.D

Acq: 31 Jul 2016 12:30

Instrument :

BNA_M

ClientSampleId :

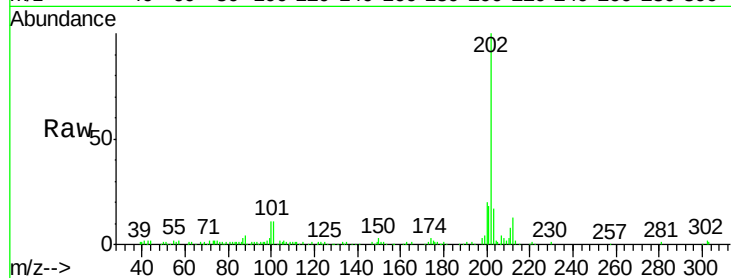
Tot Ion:202 Resp: 130877

Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

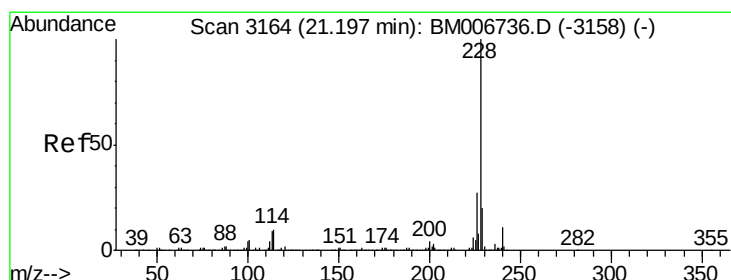
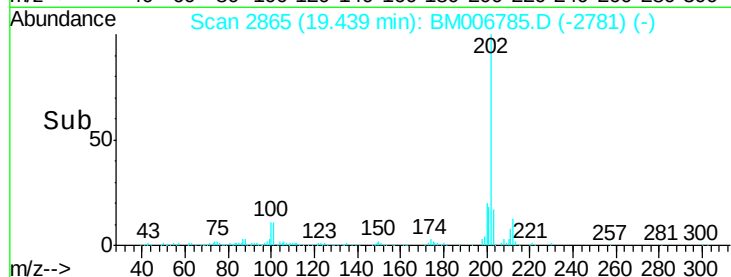
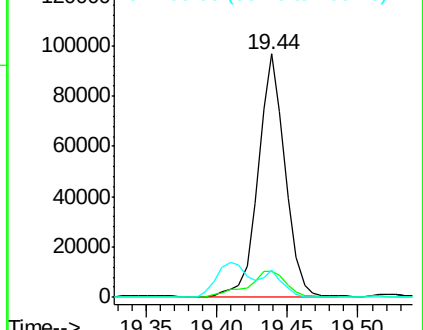
100 11.1 9.3 13.9



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: 1.25 ng/ul

RT: 21.19 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM006785.D

Acq: 31 Jul 2016 12:30

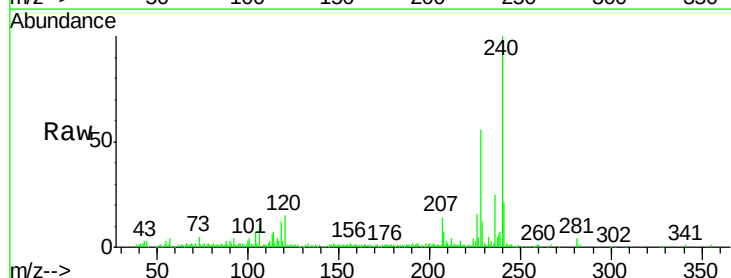
Tgt Ion:228 Resp: 87006

Ion Ratio Lower Upper

228 100

229 21.6 16.6 25.0

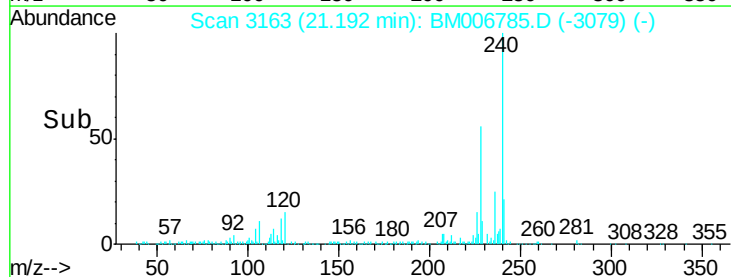
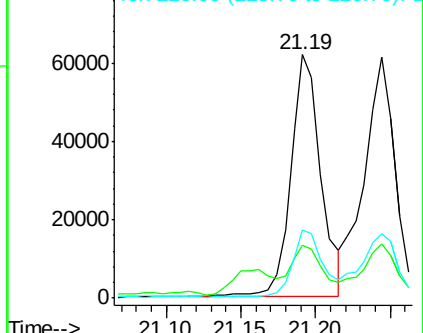
226 27.9 21.0 31.4

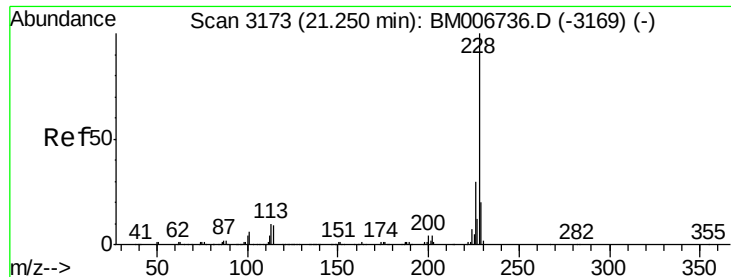


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

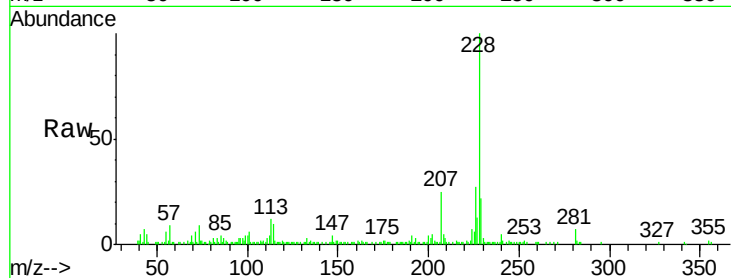




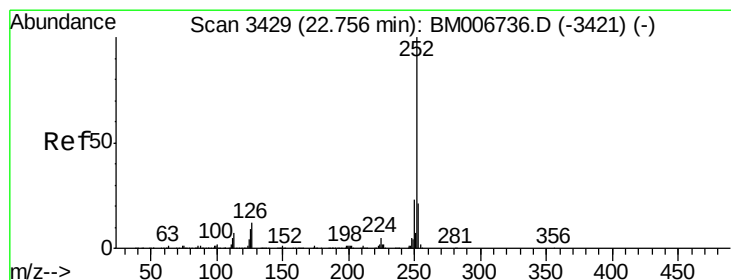
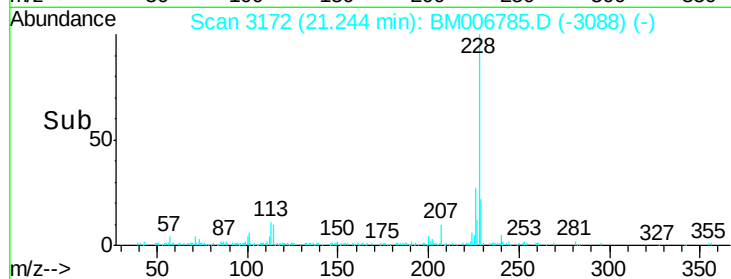
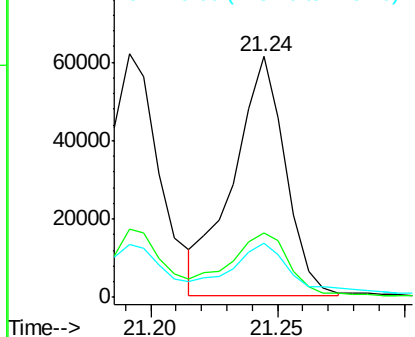
#33
 Chrysene
 Concen: 1.36 ng/ul
 RT: 21.24 min Scan# 3172
 Delta R.T. -0.01 min
 Lab File: BM006785.D
 Acq: 31 Jul 2016 12:30

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	23.4	35.2
229	22.4	16.2	24.2

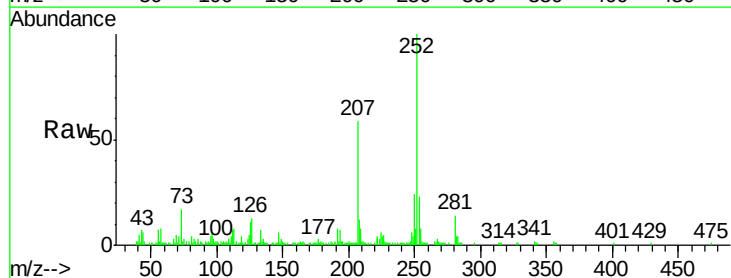


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

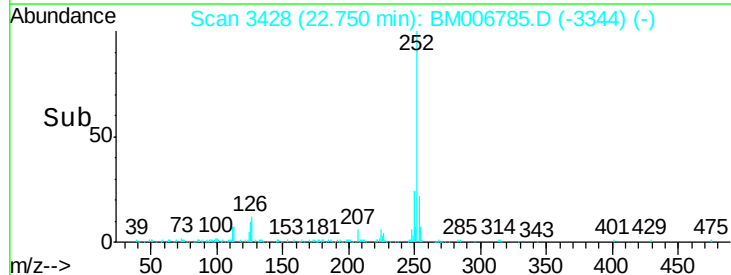
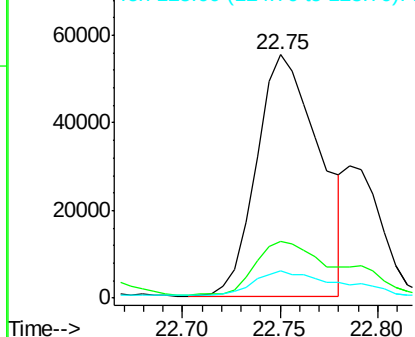


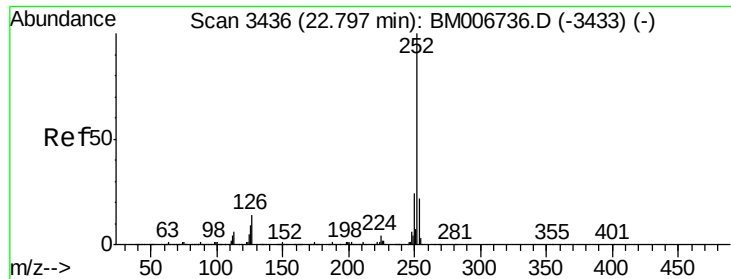
#35
 Benzo(b)fluoranthene
 Concen: 1.71 ng/ul
 RT: 22.75 min Scan# 3428
 Delta R.T. -0.01 min
 Lab File: BM006785.D
 Acq: 31 Jul 2016 12:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.2	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

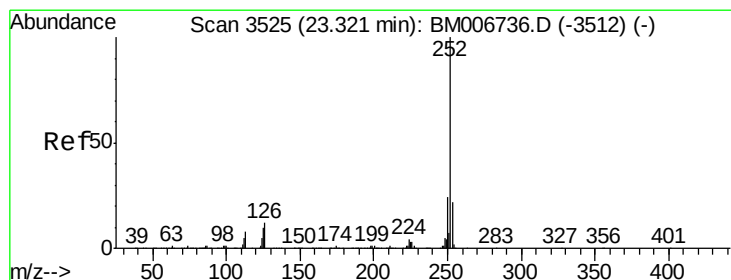
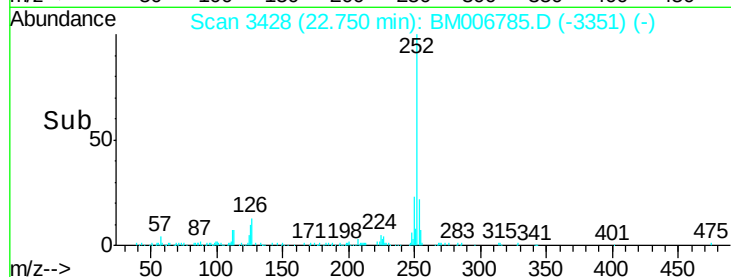
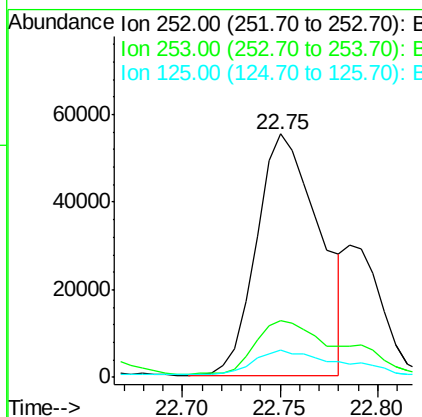
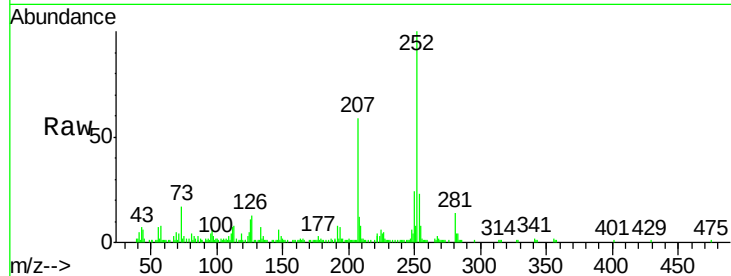




#36
Benzo(k)fluoranthene
Concen: 1.77 ng/ul
RT: 22.75 min Scan# 3428
Delta R.T. -0.05 min
Lab File: BM006785.D
Acq: 31 Jul 2016 12:30

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.2	7.7	11.5



#38
Benzo(a)pyrene
Concen: 1.15 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006785.D
Acq: 31 Jul 2016 12:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.1	8.2	12.2

