

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
 Data File : BM006788.D
 Acq On : 31 Jul 2016 14:20
 Operator : UM/SJ
 Sample : H4189-20
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 04:27:36 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	173332	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	773844	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	440510	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	972192	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1077554	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1100898	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	6093	1.42	ng/uL	0.00
3) Phenol-d5	6.79	99	259917	17.63	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	184813	20.23	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	218623	18.55	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	187683	16.41	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	111849	19.09	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	121040	19.43	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	215488	18.31	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	263324	20.31	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	717223	20.77	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	918484	20.83	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	86968	14.50	ng/ul	0.00
21) Fluorene-d10	15.26	176	639342	20.70	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	81101	16.07	ng/ul	0.00
26) Anthracene-d10	17.11	188	973867	21.10	ng/ul	0.00
30) Pyrene-d10	19.41	212	1104225	22.49	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	1114902	22.02	ng/ul	-0.01

Target Compounds

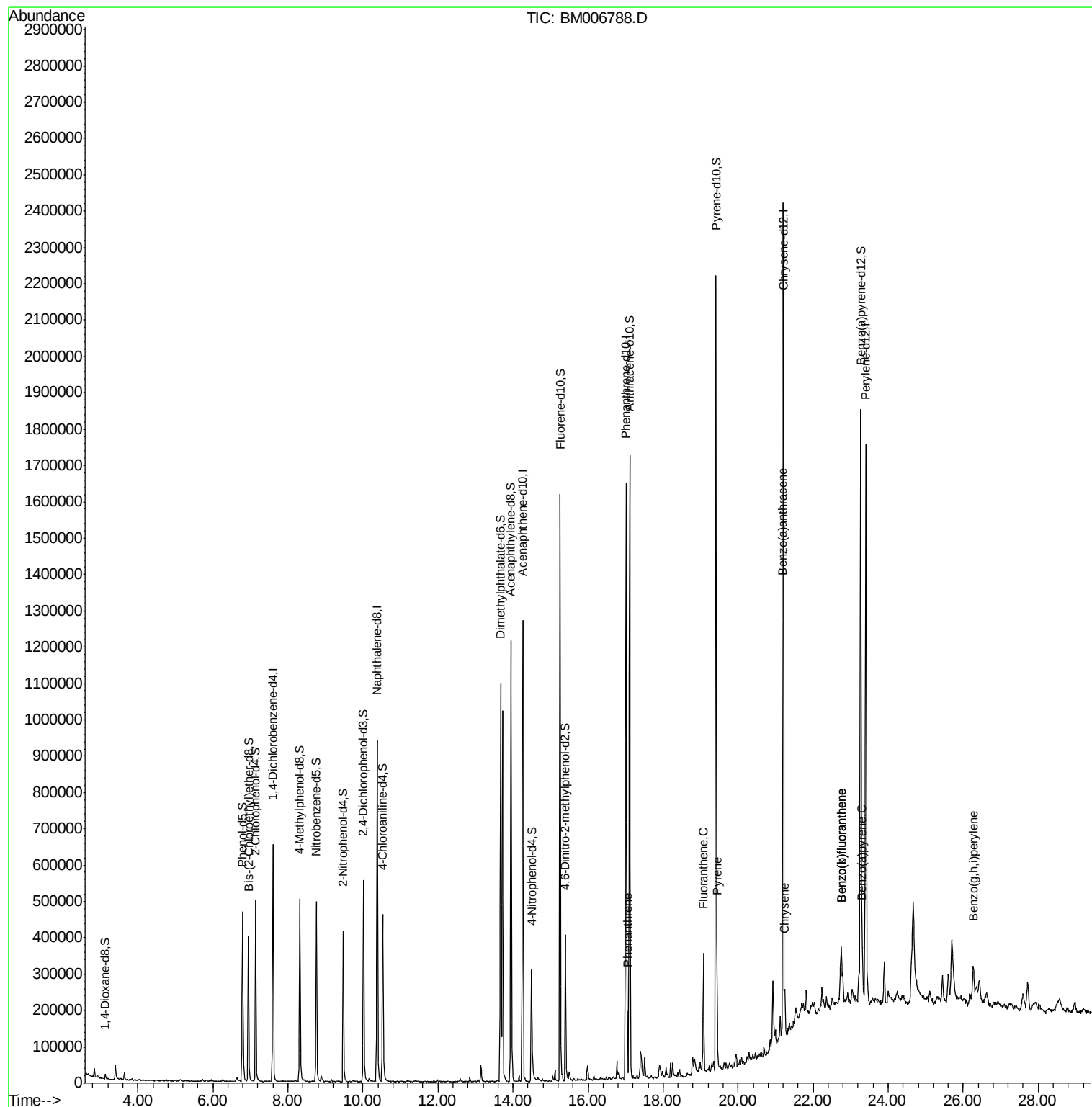
						Ovalue
25) Phenanthrene	17.05	178	110985	2.03	ng/ul	98
28) Fluoranthene	19.07	202	193613	3.01	ng/ul	98
31) Pyrene	19.44	202	162437	2.49	ng/ul	98
32) Benzo(a)anthracene	21.19	228	75420	1.15	ng/ul	99
33) Chrysene	21.24	228	82160	1.36	ng/ul	99
35) Benzo(b)fluoranthene	22.75	252	119520	1.81	ng/ul	99
36) Benzo(k)fluoranthene	22.75	252	119520	1.87	ng/ul	98
38) Benzo(a)pyrene	23.31	252	79188	1.23	ng/ul	96
41) Benzo(a,h,i)perylene	26.28	276	64241	1.01	ng/ul	97

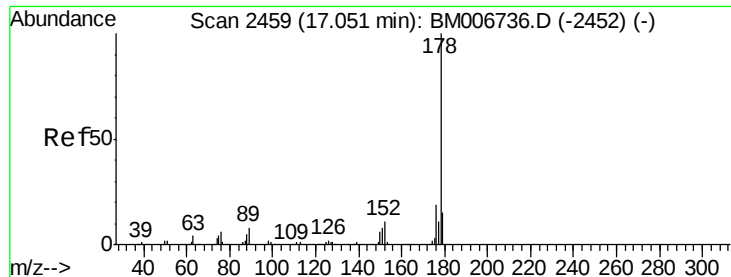
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 2.03 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006788.D

Acq: 31 Jul 2016 14:20

Instrument :

BNA_M

ClientSampleId :

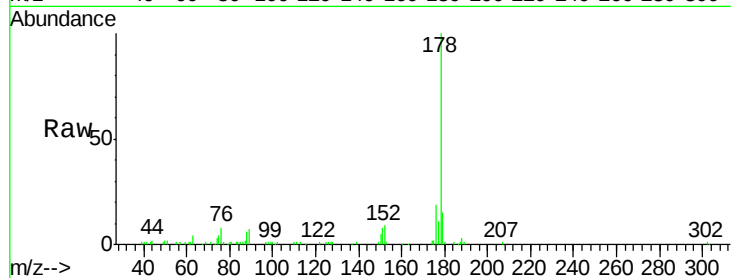
Tot Ion:178 Resp: 110985

Ion Ratio Lower Upper

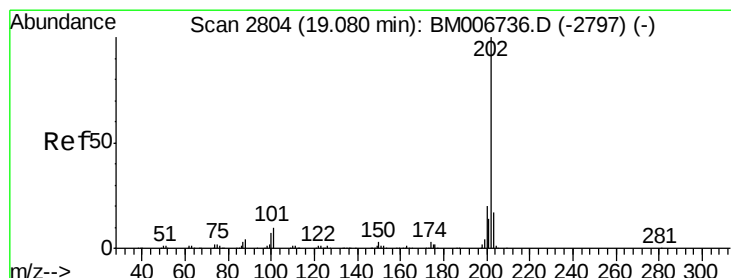
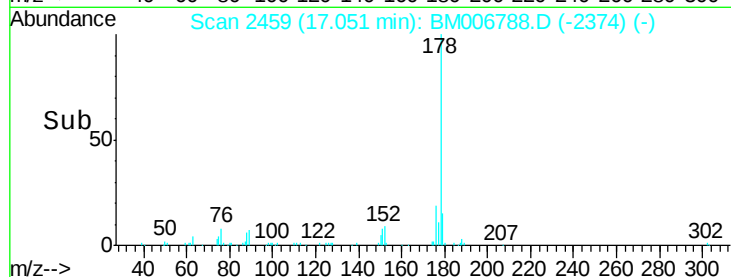
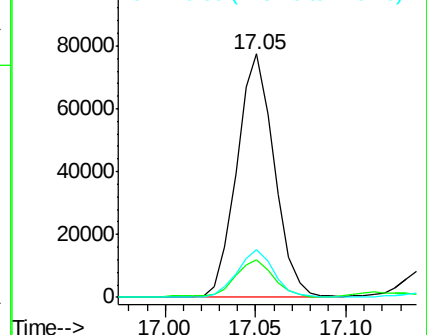
178 100

179 15.4 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: 3.01 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006788.D

Acq: 31 Jul 2016 14:20

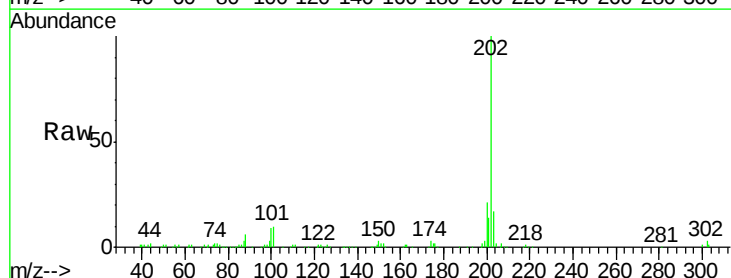
Tgt Ion:202 Resp: 193613

Ion Ratio Lower Upper

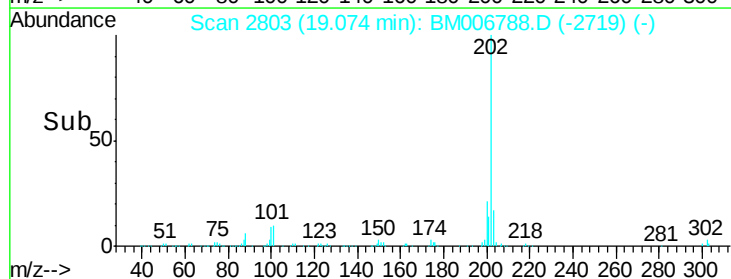
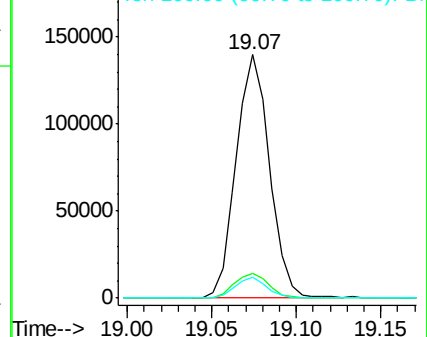
202 100

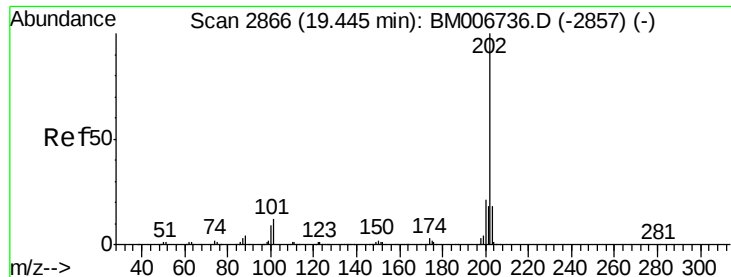
101 10.1 8.9 13.3

100 8.6 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

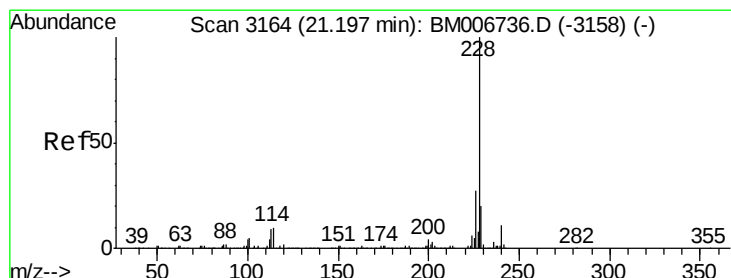
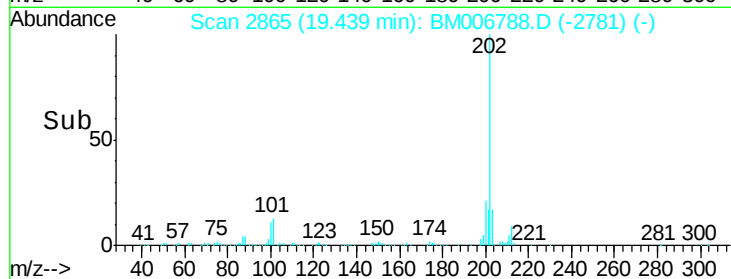
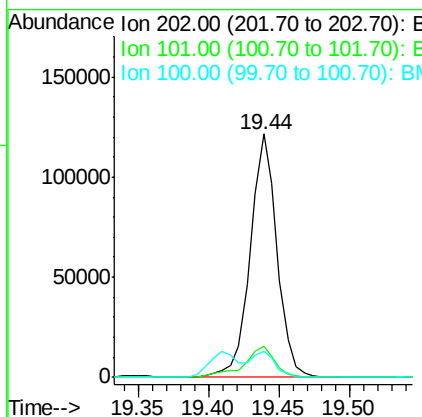
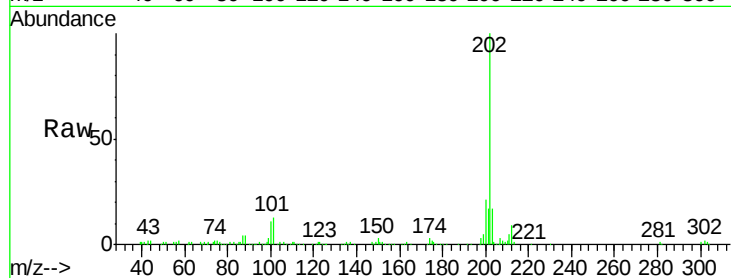




#31
 Pvrene
 Concen: 2.49 ng/ul
 RT: 19.44 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BM006788.D
 Acq: 31 Jul 2016 14:20

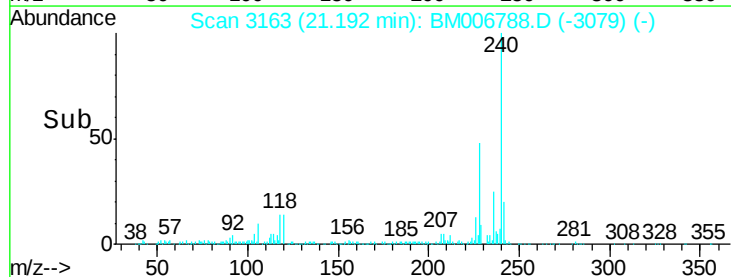
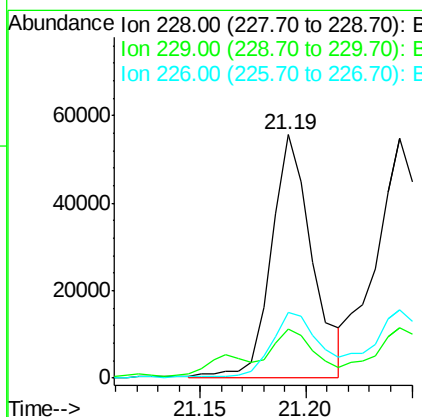
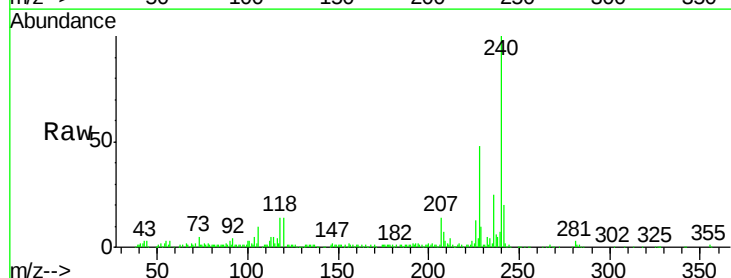
Instrument :
 BNA_M
 ClientSampleId :

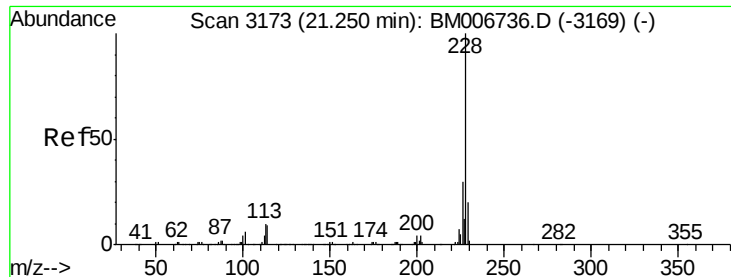
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	9.8	14.8
100	10.6	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 1.15 ng/ul
 RT: 21.19 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BM006788.D
 Acq: 31 Jul 2016 14:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.6	25.0
226	27.1	21.0	31.4





#33

Chrysene

Concen: 1.36 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM006788.D

Acq: 31 Jul 2016 14:20

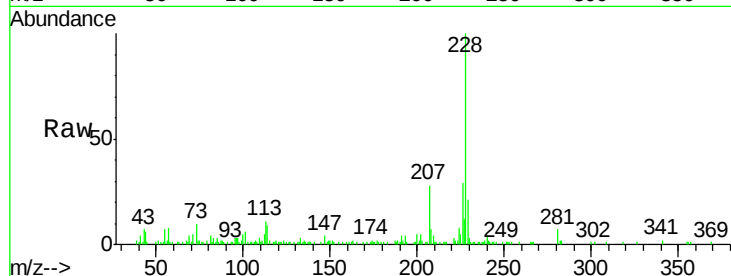
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 82160

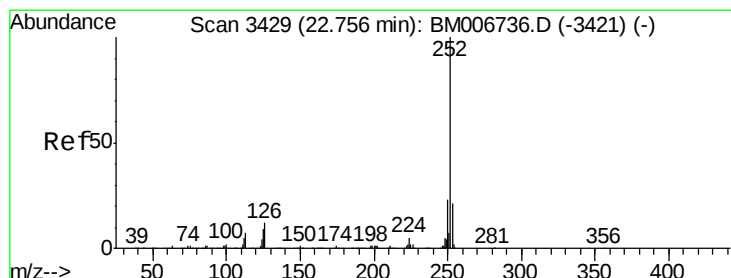
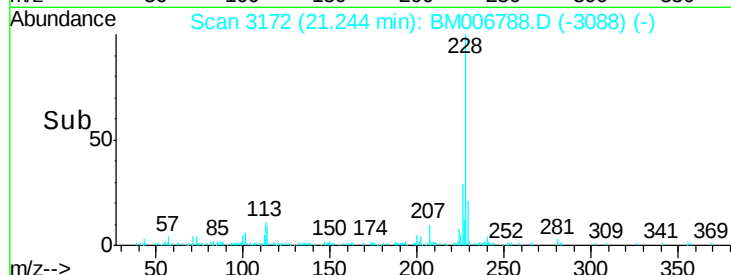
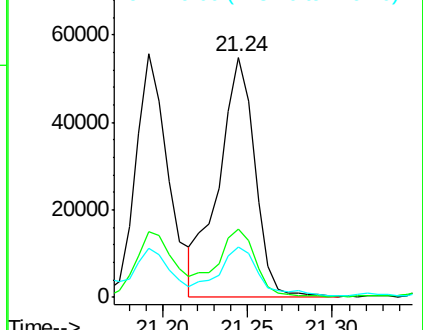
Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	20.8	16.2	24.2



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: 1.81 ng/ul

RT: 22.75 min Scan# 3428

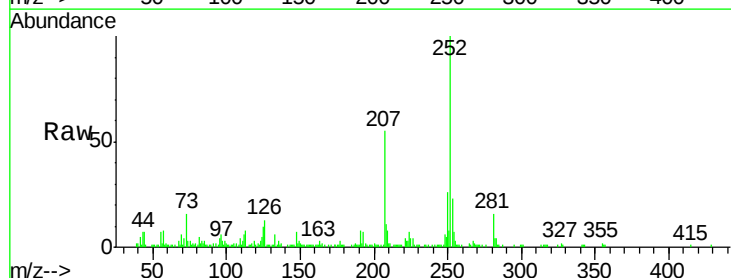
Delta R.T. -0.01 min

Lab File: BM006788.D

Acq: 31 Jul 2016 14:20

Tgt Ion:252 Resp: 119520

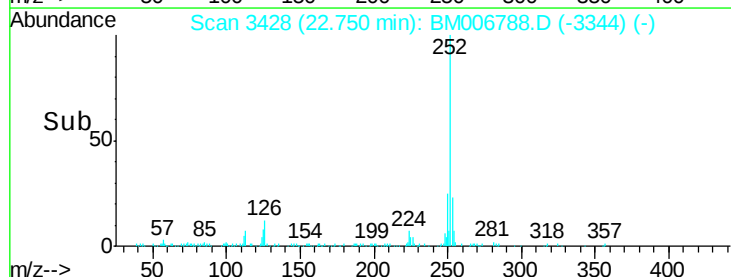
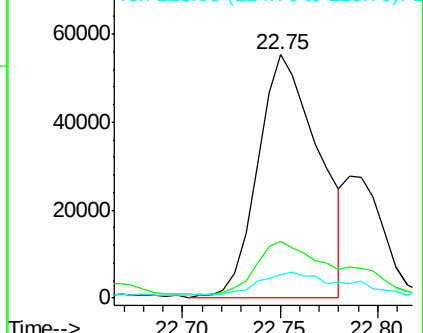
Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	9.7	7.6	11.4

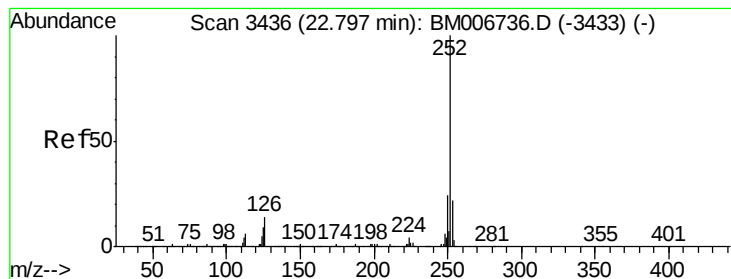


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 1.87 ng/ul

RT: 22.75 min Scan# 3428

Delta R.T. -0.05 min

Lab File: BM006788.D

Acq: 31 Jul 2016 14:20

Instrument :

BNA_M

ClientSampleId :

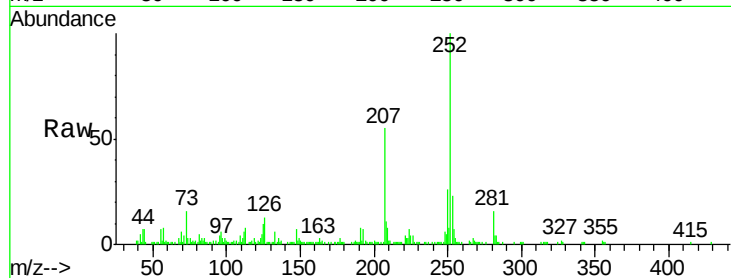
Tot Ion:252 Resp: 119520

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

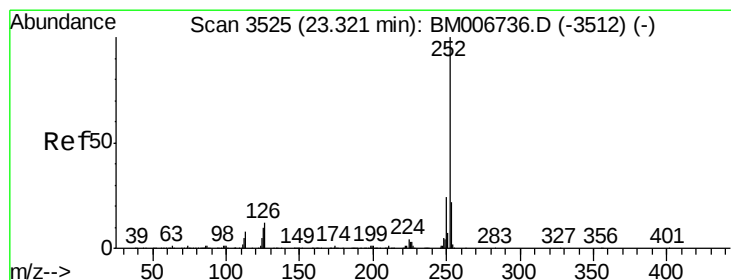
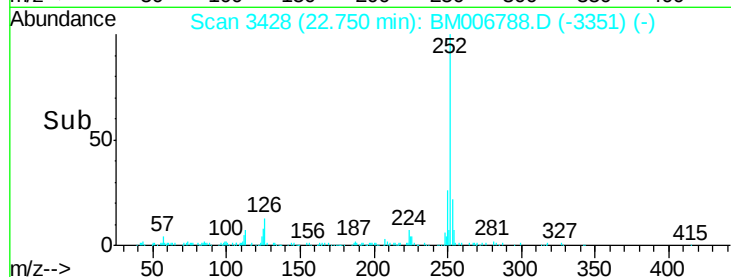
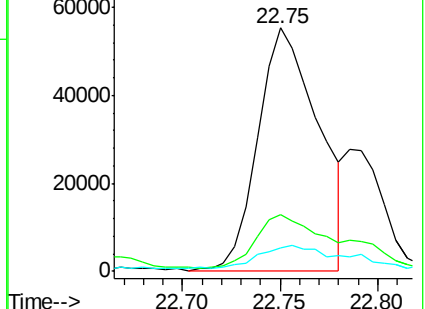
125 9.7 7.7 11.5



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: 1.23 ng/ul

RT: 23.31 min Scan# 3523

Delta R.T. -0.01 min

Lab File: BM006788.D

Acq: 31 Jul 2016 14:20

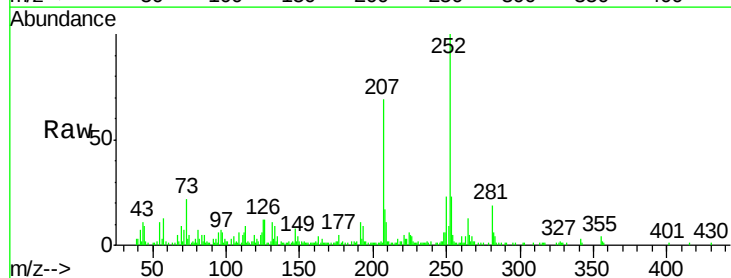
Tgt Ion:252 Resp: 79188

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

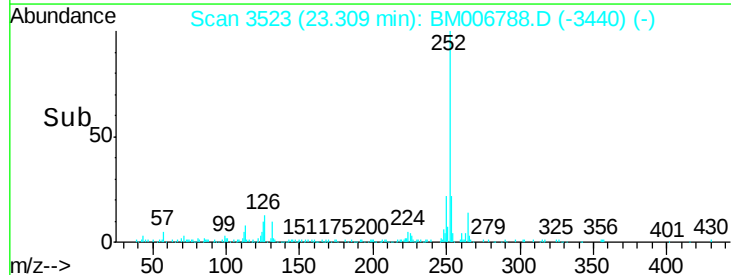
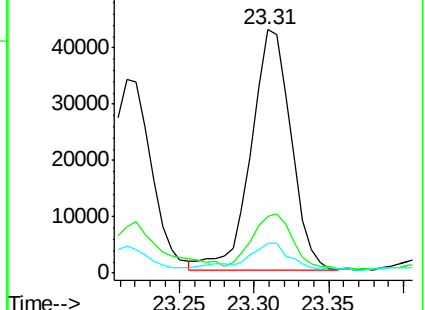
125 12.1 8.2 12.2

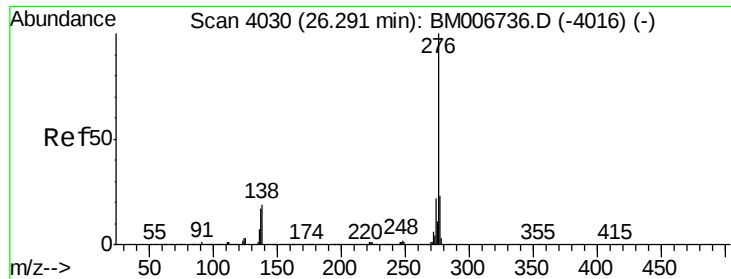


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

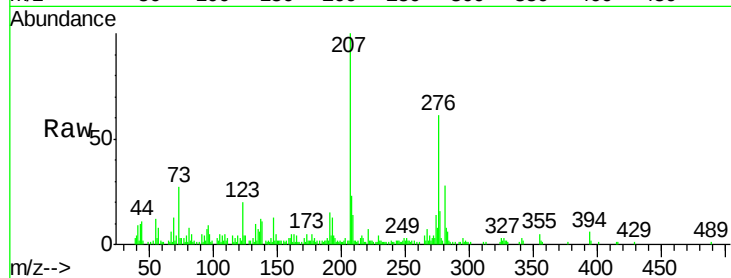




#41
 Benzo(a,h,i)perylene
 Concen: 1.01 ng/ul
 RT: 26.28 min Scan# 4028
 Delta R.T. -0.01 min
 Lab File: BM006788.D
 Acq: 31 Jul 2016 14:20

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.0	13.9	20.9
277	26.6	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

