

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006790.D
 Acq On : 31 Jul 2016 15:33
 Operator : UM/SJ
 Sample : H4190-03
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:42:56 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	167102	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	762007	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	424358	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	962594	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1117058	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1169629	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	1542	0.37	ng/uL	0.00
3) Phenol-d5	6.79	99	70591	4.97	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	51567	5.86	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	59284	5.22	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	45964	4.17	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	29062	5.04	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	31436	5.12	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	58239	5.02	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	62923	4.93	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	200874	6.04	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	252277	5.94	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	19165	3.32	ng/ul	0.02
21) Fluorene-d10	15.26	176	187126	6.29	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	15707	3.14	ng/ul	0.00
26) Anthracene-d10	17.10	188	282027	6.17	ng/ul	0.00
30) Pyrene-d10	19.41	212	329048	6.46	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	346285	6.44	ng/ul	-0.01

Target Compounds

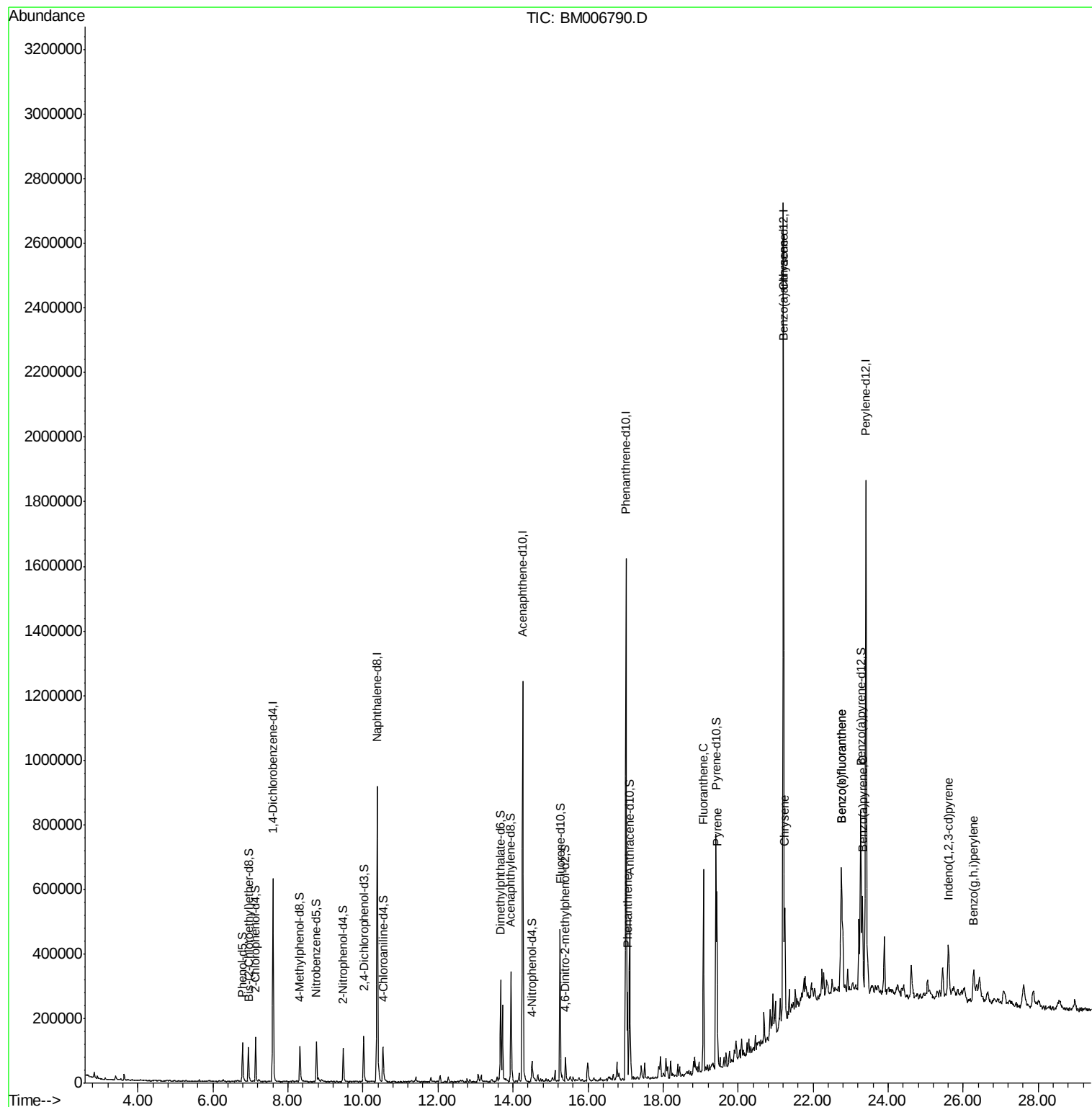
						Ovalue
25) Phenanthrene	17.05	178	163083	3.01	ng/ul	99
28) Fluoranthene	19.07	202	374580	5.89	ng/ul	99
31) Pyrene	19.44	202	321311	4.75	ng/ul	98
32) Benzo(a)anthracene	21.20	228	206786	3.05	ng/ul	98
33) Chrysene	21.24	228	212049	3.40	ng/ul	95
35) Benzo(b)fluoranthene	22.76	252	312566	4.46	ng/ul	99
36) Benzo(k)fluoranthene	22.76	252	312566	4.61	ng/ul	99
38) Benzo(a)pyrene	23.31	252	195569	2.87	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.61	276	143519	1.82	ng/ul	96
41) Benzo(g,h,i)perylene	26.28	276	121389	1.79	ng/ul	96

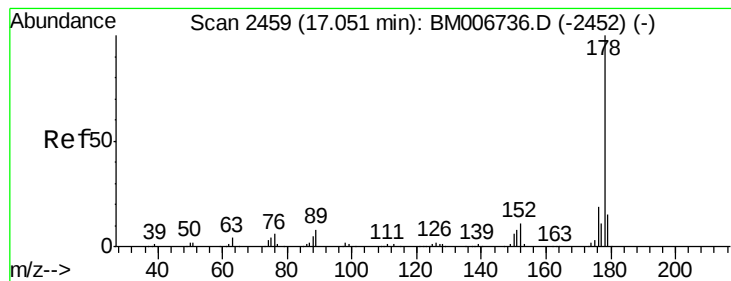
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.01 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006790.D

Acq: 31 Jul 2016 15:33

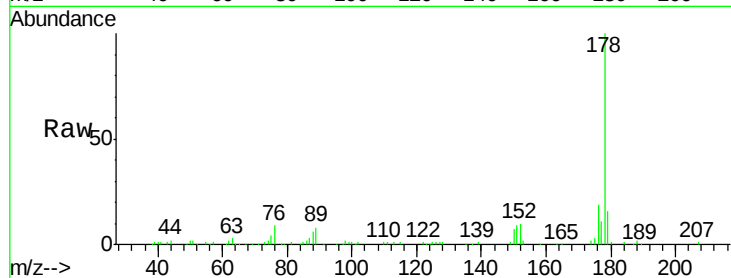
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 163083

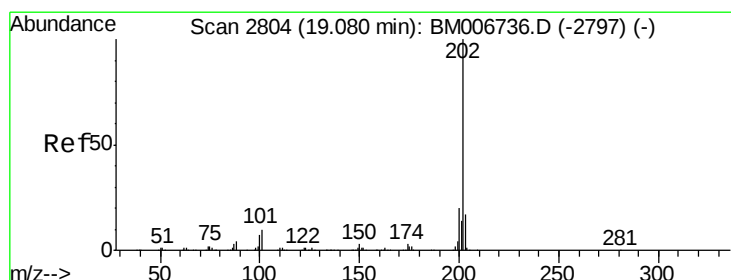
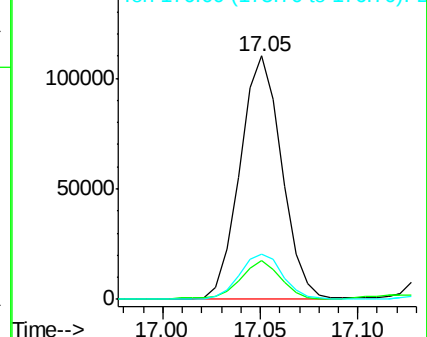
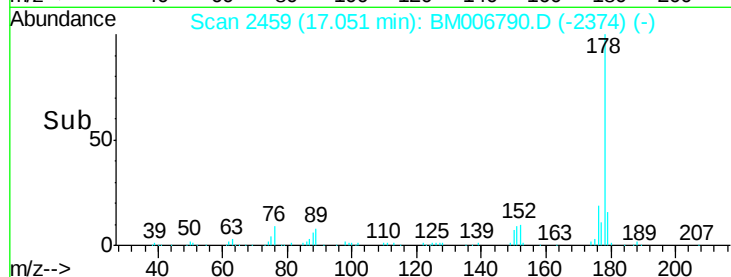
Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.8	17.8
176	18.8	14.8	22.2



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: 5.89 ng/ul

RT: 19.07 min Scan# 2803

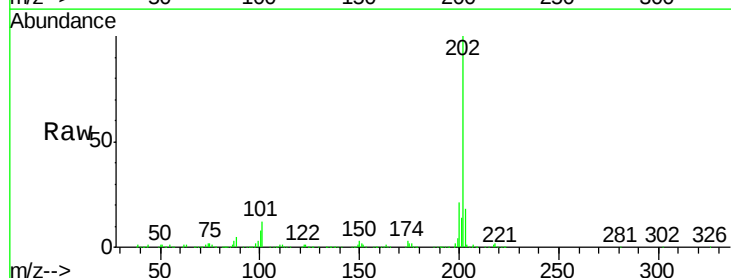
Delta R.T. -0.01 min

Lab File: BM006790.D

Acq: 31 Jul 2016 15:33

Tgt Ion:202 Resp: 374580

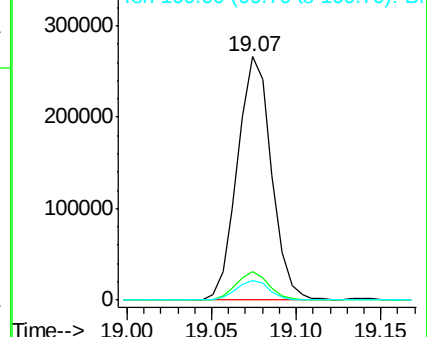
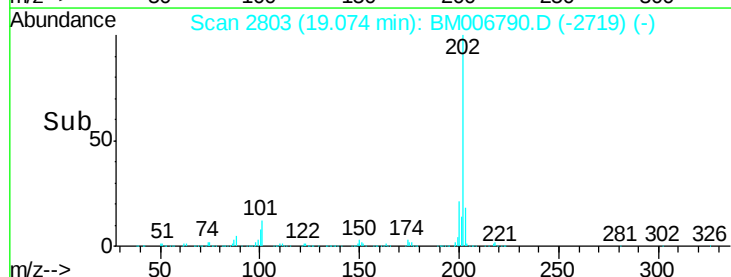
Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
100	8.1	7.0	10.4

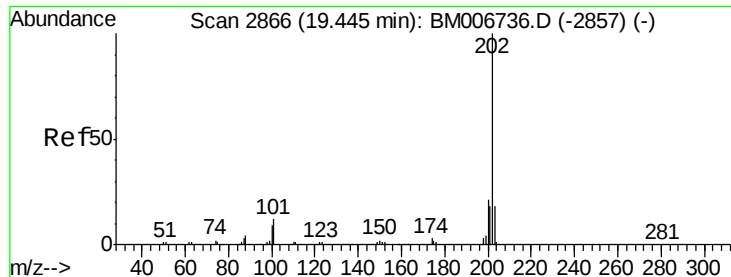


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

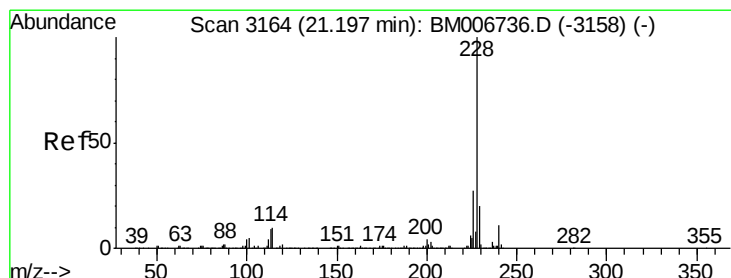
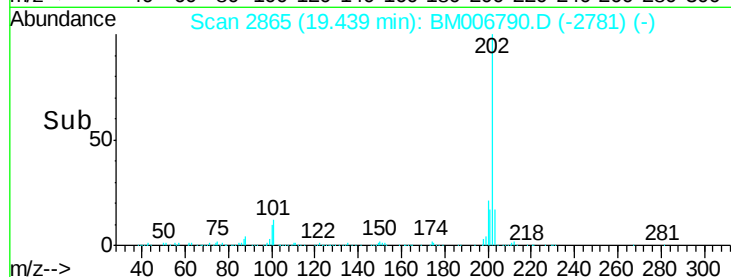
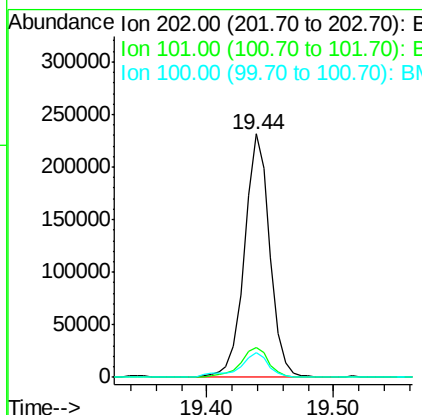
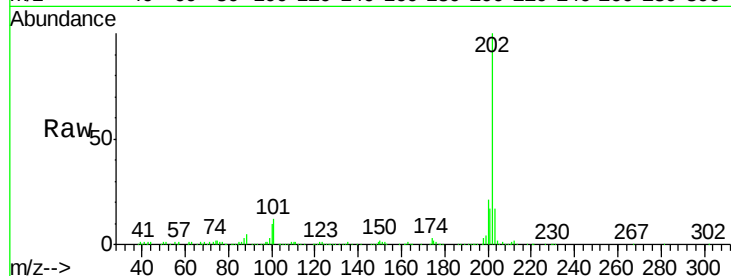




#31
Pvrene
Concen: 4.75 ng/ul
RT: 19.44 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BM006790.D
Acq: 31 Jul 2016 15:33

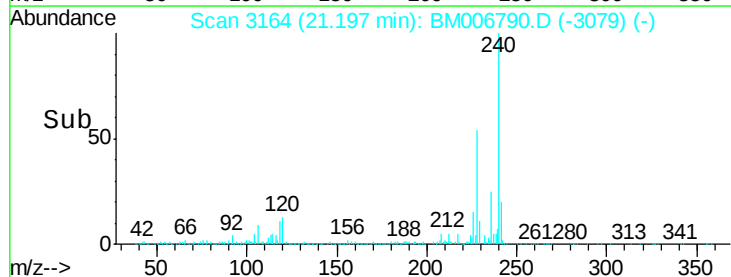
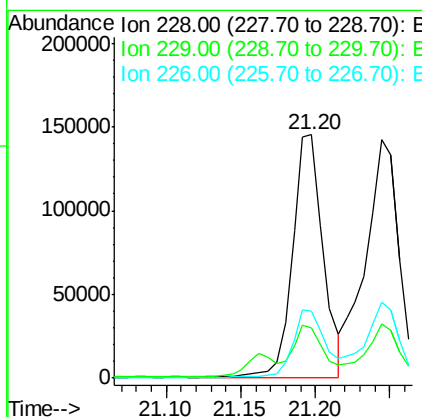
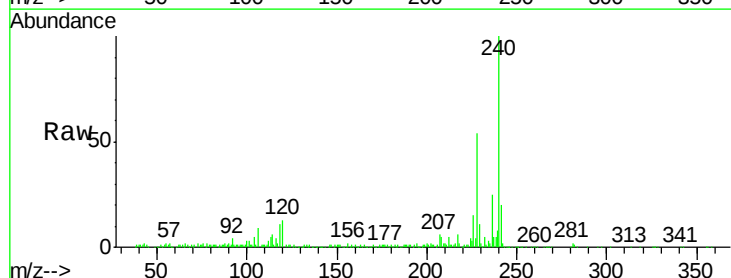
Instrument :
BNA_M
ClientSampleId :

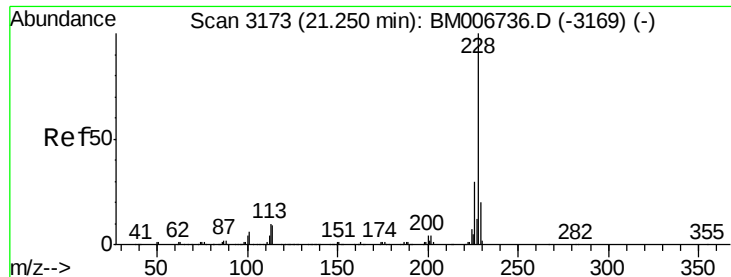
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
100	10.4	9.3	13.9



#32
Benzo(a)anthracene
Concen: 3.05 ng/ul
RT: 21.20 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BM006790.D
Acq: 31 Jul 2016 15:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.6	25.0
226	27.7	21.0	31.4





#33

Chrysene

Concen: 3.40 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM006790.D

Acq: 31 Jul 2016 15:33

Instrument :

BNA_M

ClientSampleId :

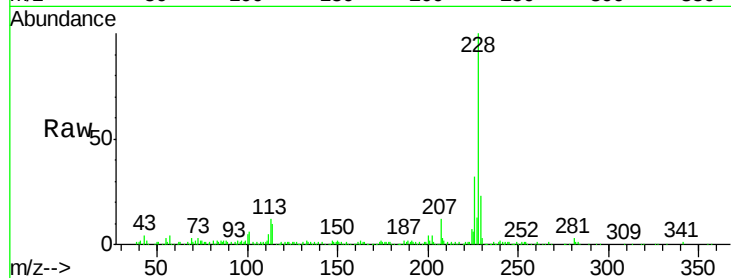
Tot Ion:228 Resp: 212049

Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.2

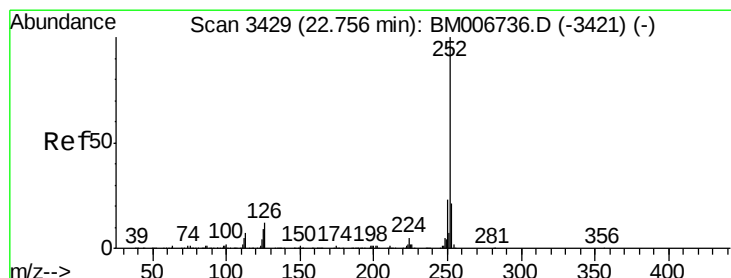
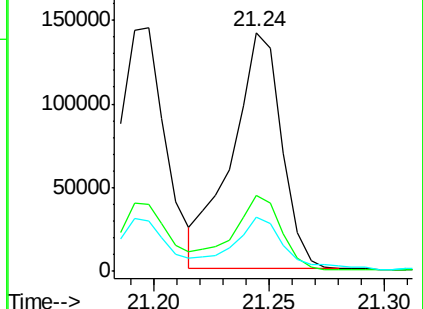
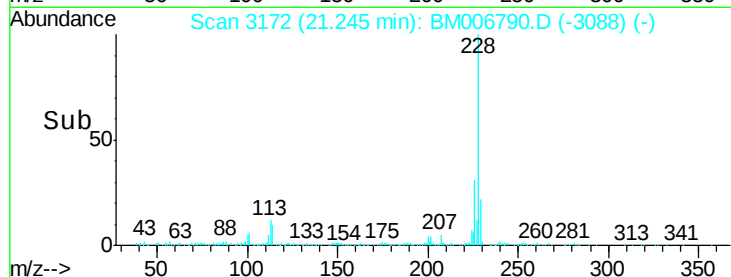
229 22.7 16.2 24.2



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: 4.46 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BM006790.D

Acq: 31 Jul 2016 15:33

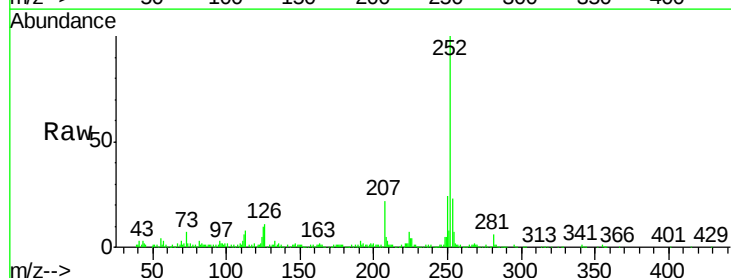
Tgt Ion:252 Resp: 312566

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

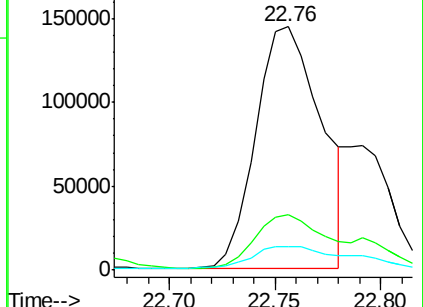
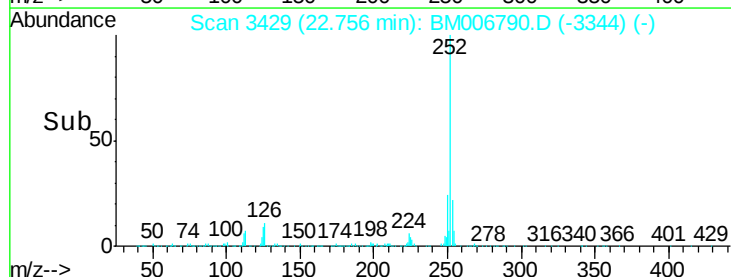
125 9.7 7.6 11.4

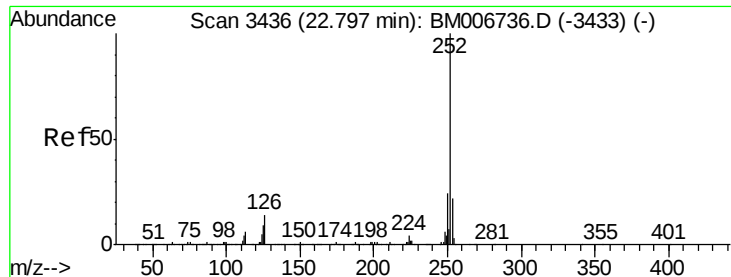


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

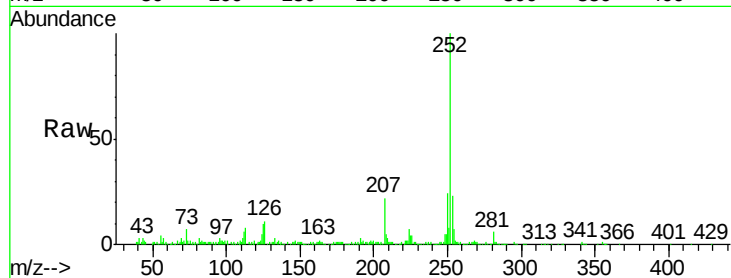




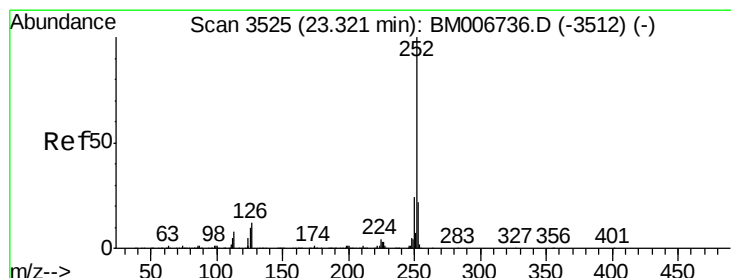
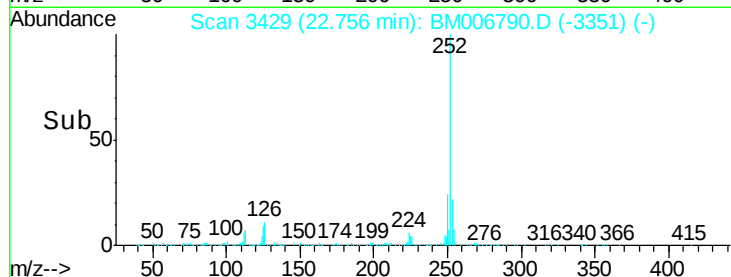
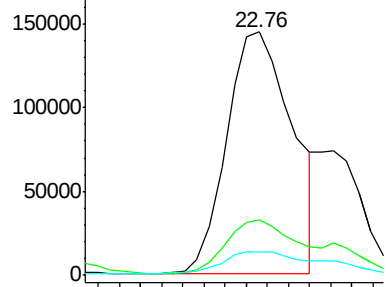
#36
Benzo(k)fluoranthene
Concen: 4.61 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006790.D
Acq: 31 Jul 2016 15:33

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	9.7	7.7	11.5

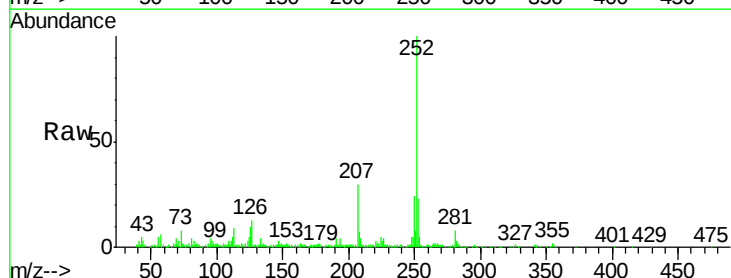


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

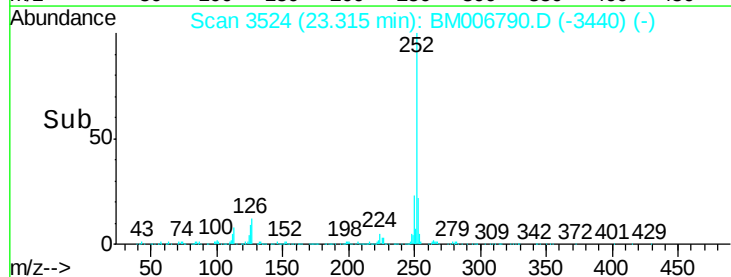
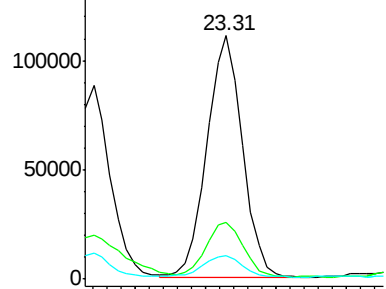


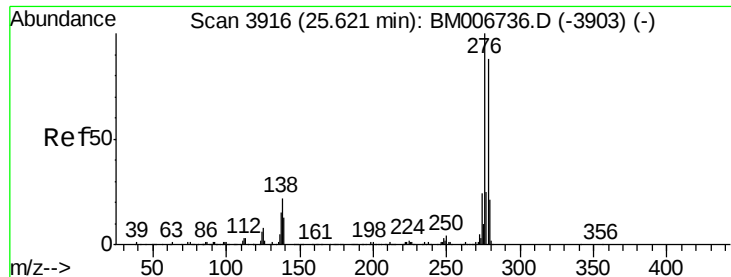
#38
Benzo(a)pyrene
Concen: 2.87 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006790.D
Acq: 31 Jul 2016 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.7	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

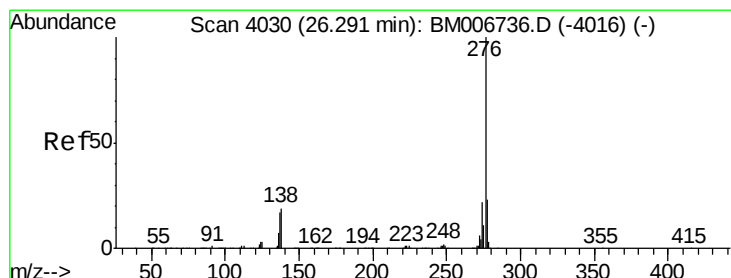
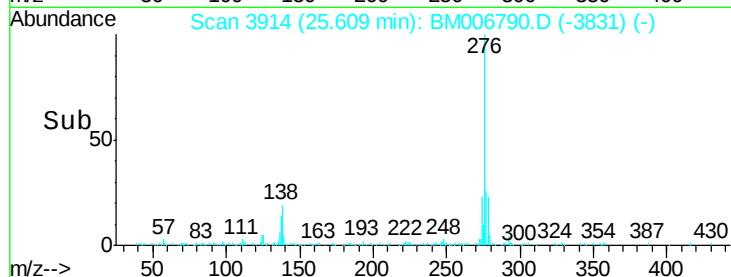
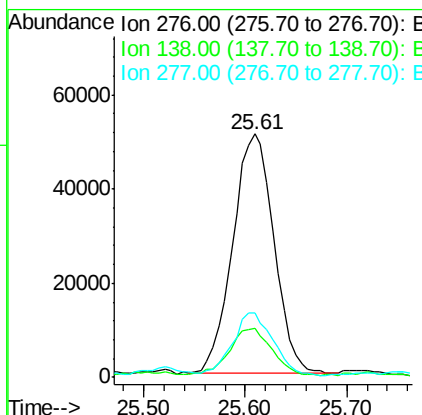
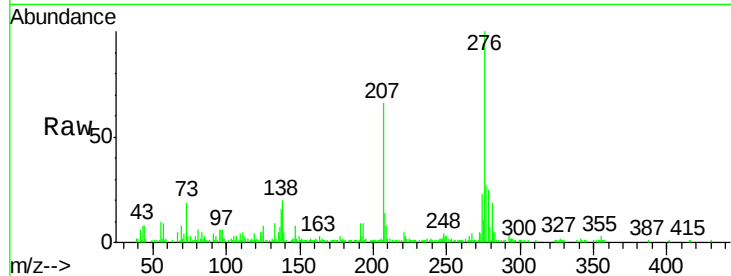




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 1.82 ng/ul
 RT: 25.61 min Scan# 3914
 Delta R.T. -0.01 min
 Lab File: BM006790.D
 Acq: 31 Jul 2016 15:33

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	15.8	23.6
277	26.7	19.0	28.6



#41
 Benzo(g,h,i)perylene
 Concen: 1.79 ng/ul
 RT: 26.28 min Scan# 4028
 Delta R.T. -0.01 min
 Lab File: BM006790.D
 Acq: 31 Jul 2016 15:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	13.9	20.9
277	23.7	19.8	29.6

