

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
 Data File : BM006791.D
 Acq On : 31 Jul 2016 16:10
 Operator : UM/SJ
 Sample : H4192-05
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 04:28:04 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	183158	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	807611	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	454631	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1009679	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1108601	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1146027	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	5969	1.32	ng/uL	0.00
3) Phenol-d5	6.79	99	244534	15.69	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	171270	17.74	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	205737	16.52	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	147130	12.17	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	107439	17.57	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	115974	17.84	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	201361	16.39	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	243841	18.02	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	660527	18.53	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	843982	18.55	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	87574	14.15	ng/ul	0.00
21) Fluorene-d10	15.26	176	583617	18.31	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	78107	14.90	ng/ul	0.00
26) Anthracene-d10	17.11	188	880921	18.37	ng/ul	0.00
30) Pyrene-d10	19.41	212	994626	19.69	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	994117	18.86	ng/ul	0.00

Target Compounds

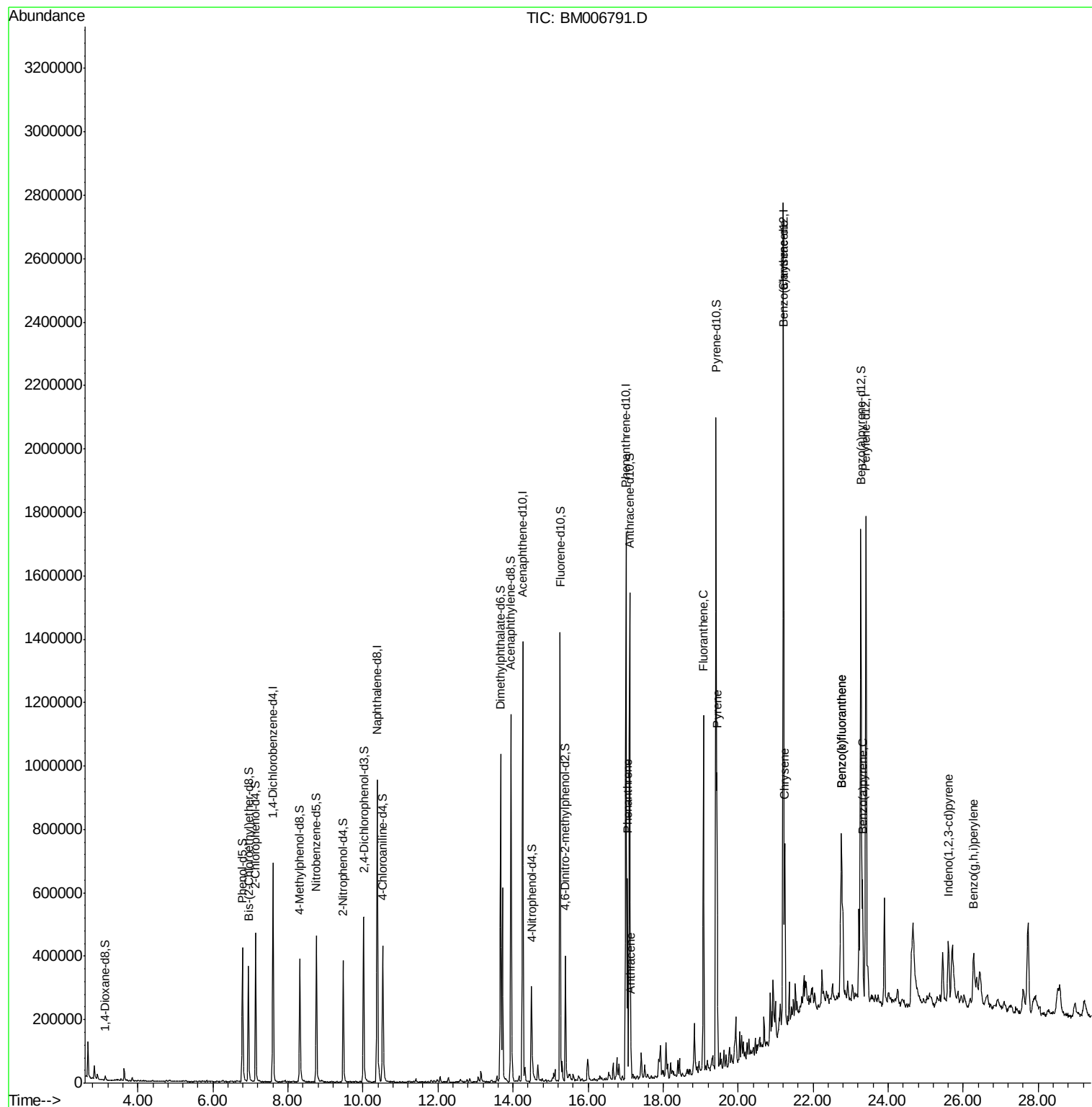
						Ovalue
25) Phenanthrene	17.05	178	380469	6.70	ng/ul	99
27) Anthracene	17.14	178	59452	1.02	ng/ul	96
28) Fluoranthene	19.07	202	673965	10.10	ng/ul	98
31) Pyrene	19.44	202	547504	8.16	ng/ul	98
32) Benzo(a)anthracene	21.20	228	309266	4.60	ng/ul	98
33) Chrysene	21.24	228	331048	5.34	ng/ul	98
35) Benzo(b)fluoranthene	22.76	252	446284	6.50	ng/ul	100
36) Benzo(k)fluoranthene	22.76	252	446284	6.72	ng/ul	99
38) Benzo(a)pyrene	23.31	252	254662	3.81	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.61	276	184002	2.38	ng/ul	98
41) Benzo(g,h,i)perylene	26.29	276	157424	2.37	ng/ul	97

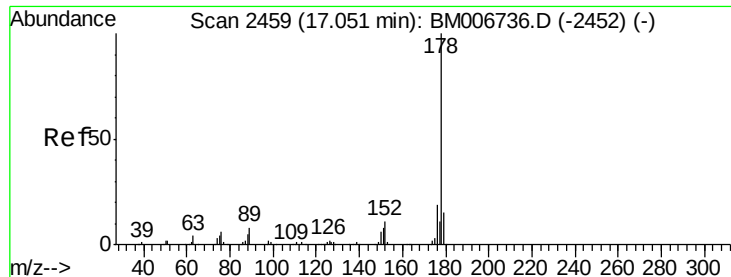
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 6.70 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

Instrument :

BNA_M

ClientSampleId :

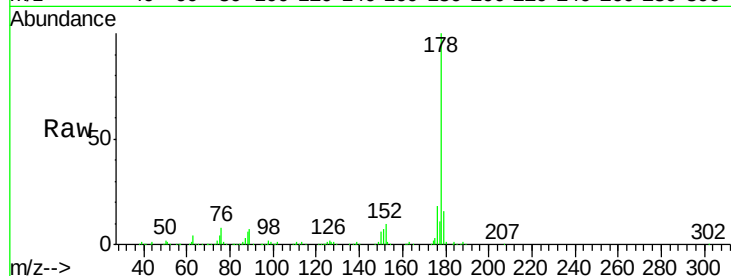
Tot Ion:178 Resp: 380469

Ion Ratio Lower Upper

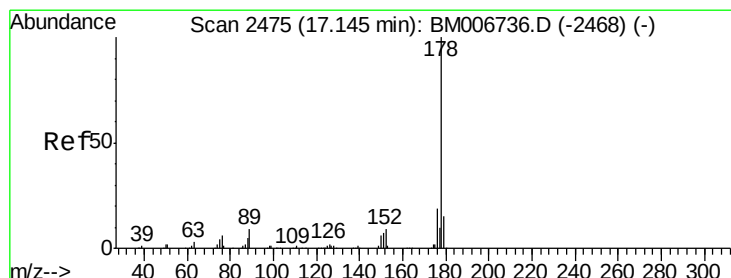
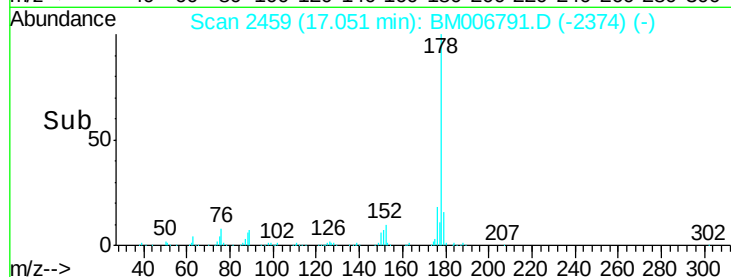
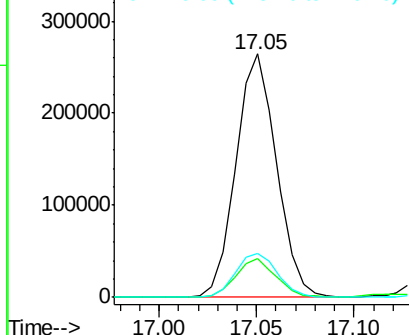
178 100

179 15.7 11.8 17.8

176 18.2 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: 1.02 ng/ul

RT: 17.14 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

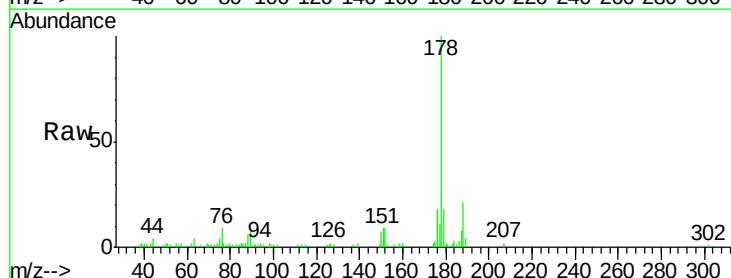
Tgt Ion:178 Resp: 59452

Ion Ratio Lower Upper

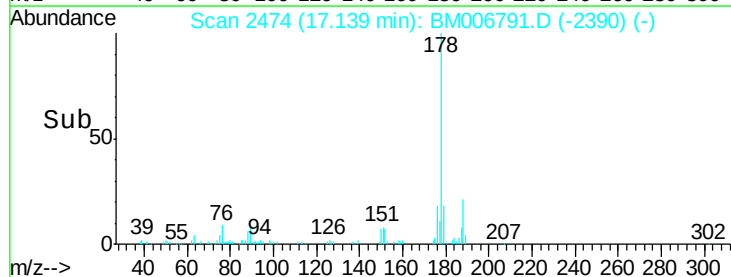
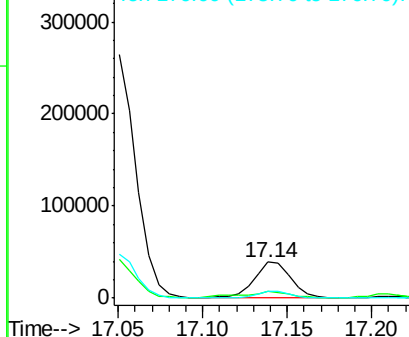
178 100

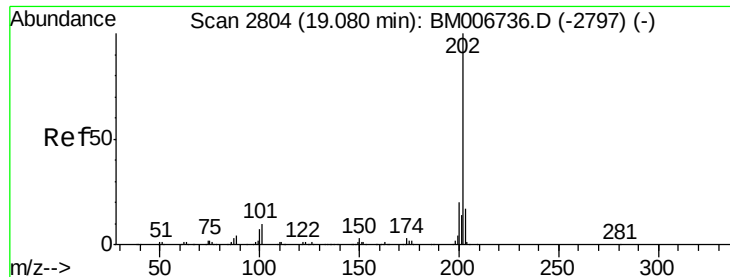
179 17.8 12.9 19.3

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: 10.10 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

Instrument :

BNA_M

ClientSampleId :

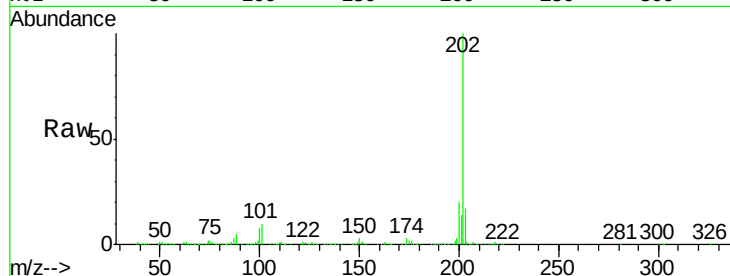
Tot Ion:202 Resp: 673965

Ion Ratio Lower Upper

202 100

101 10.3 8.9 13.3

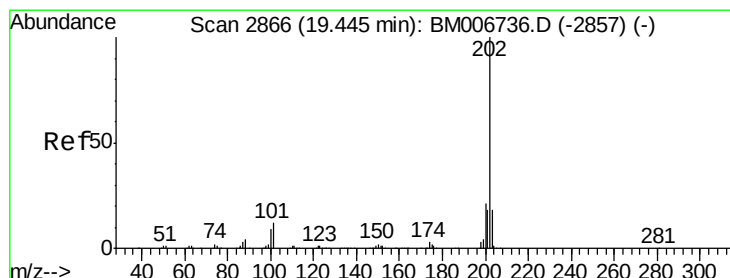
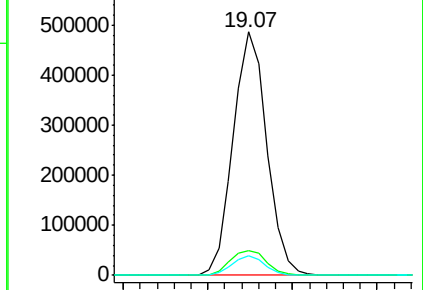
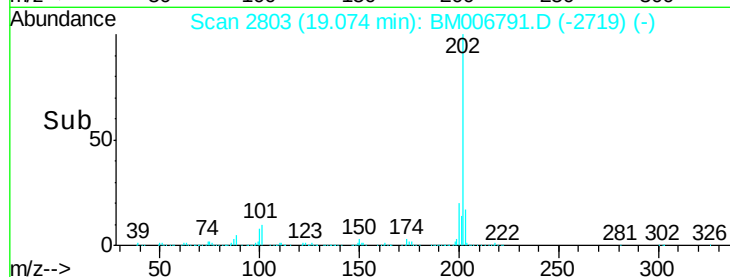
100 8.0 7.0 10.4



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: 8.16 ng/ul

RT: 19.44 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

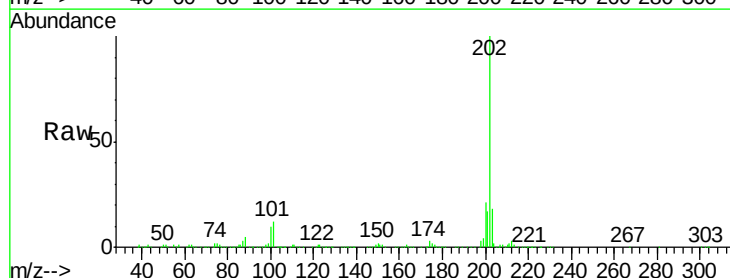
Tgt Ion:202 Resp: 547504

Ion Ratio Lower Upper

202 100

101 12.4 9.8 14.8

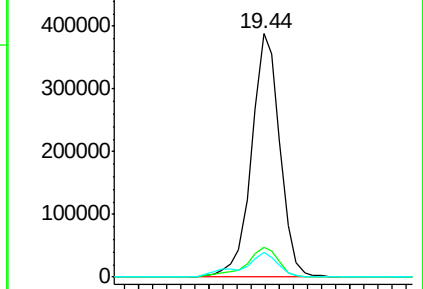
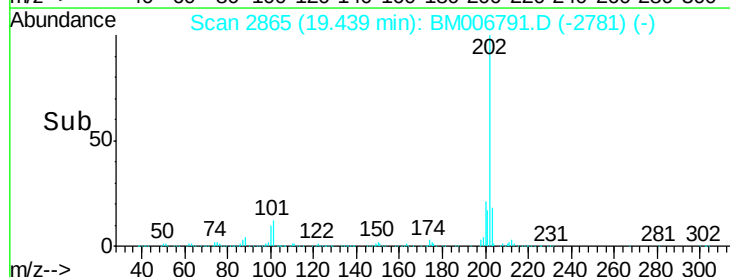
100 10.3 9.3 13.9

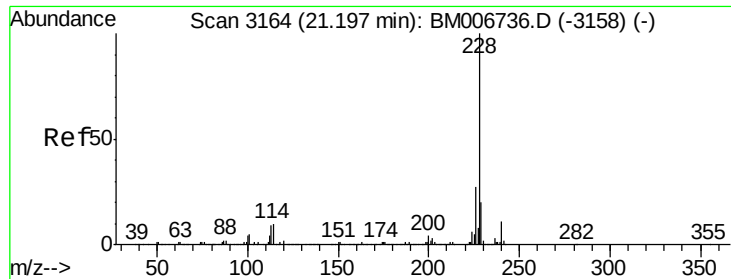


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 4.60 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BM006791.D

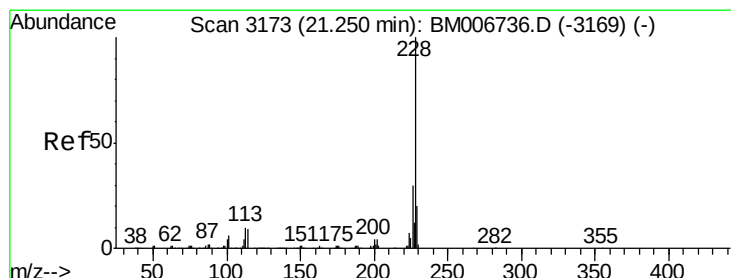
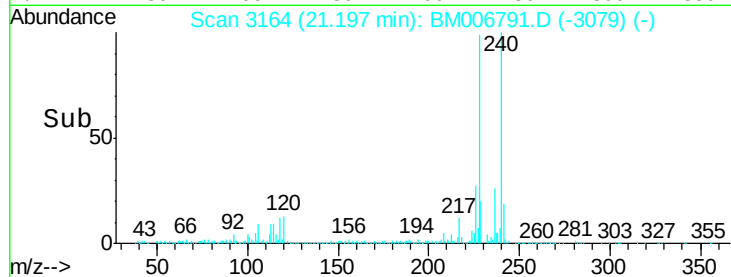
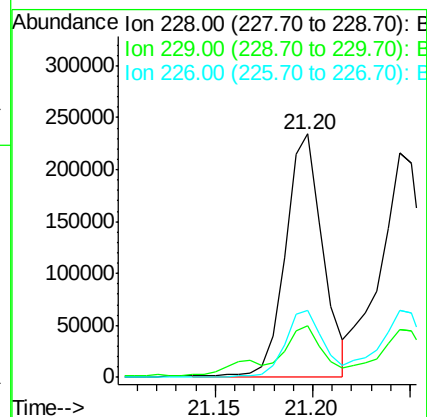
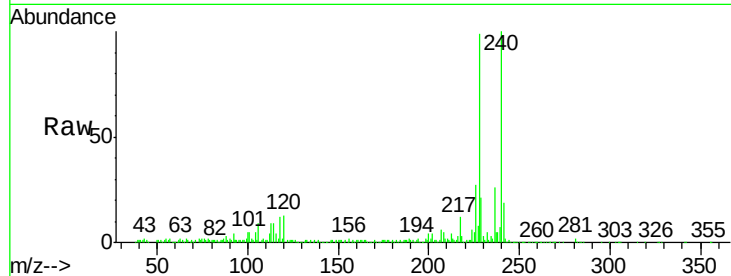
Acq: 31 Jul 2016 16:10

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228	Resp:	309266
Ion	Ratio	Lower Upper
228	100	
229	21.2	16.6 25.0
226	27.6	21.0 31.4



#33

Chrysene

Concen: 5.34 ng/ul

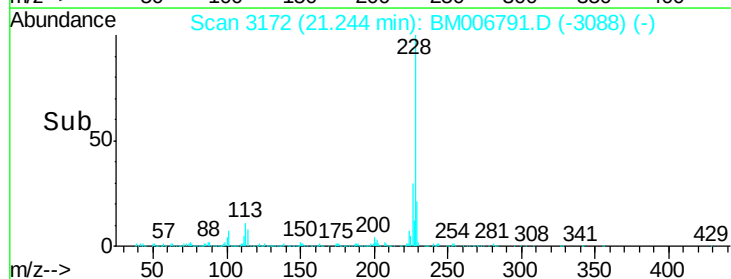
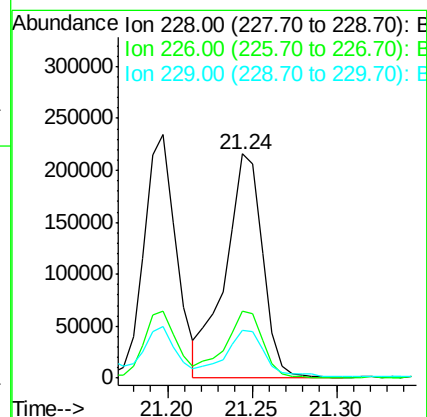
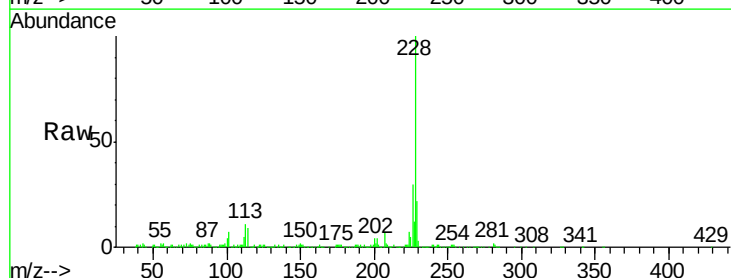
RT: 21.24 min Scan# 3172

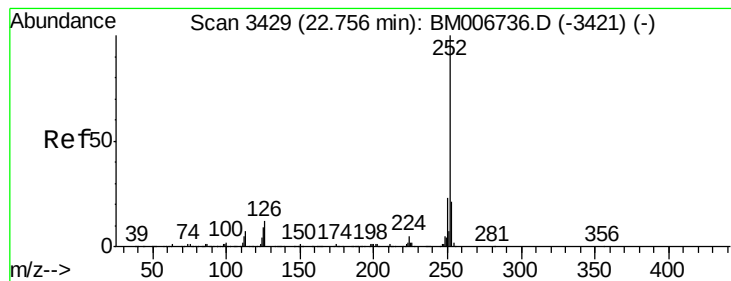
Delta R.T. -0.01 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

Tgt Ion:228	Resp:	331048
Ion	Ratio	Lower Upper
228	100	
226	29.9	23.4 35.2
229	21.5	16.2 24.2





#35

Benzo(b)fluoranthene

Concen: 6.50 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

Instrument :

BNA_M

ClientSampled :

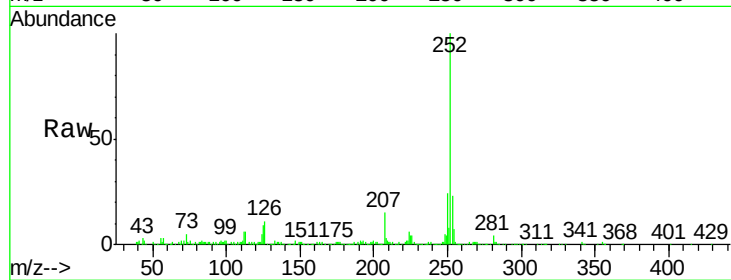
Tot Ion:252 Resp: 446284

Ion Ratio Lower Upper

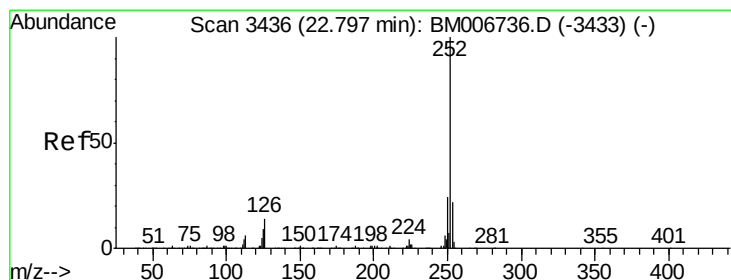
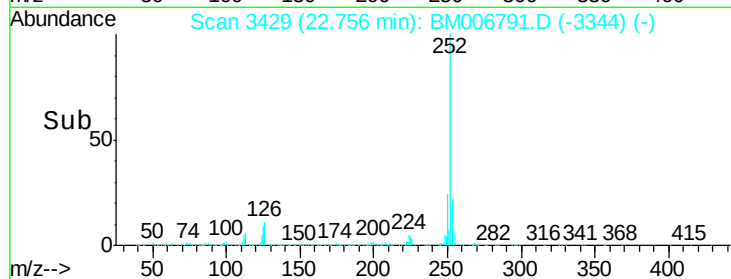
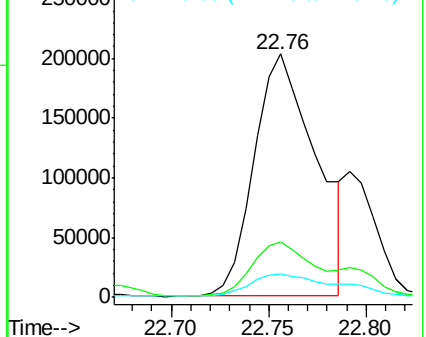
252 100

253 22.7 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: 6.72 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.04 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

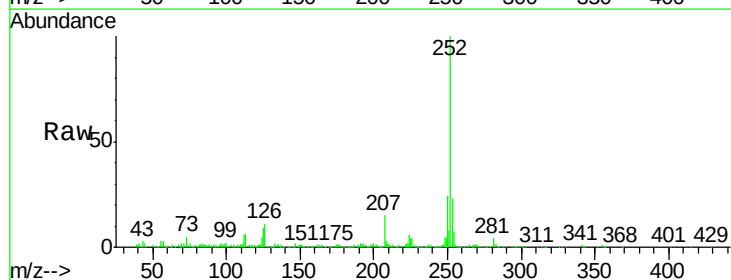
Tgt Ion:252 Resp: 446284

Ion Ratio Lower Upper

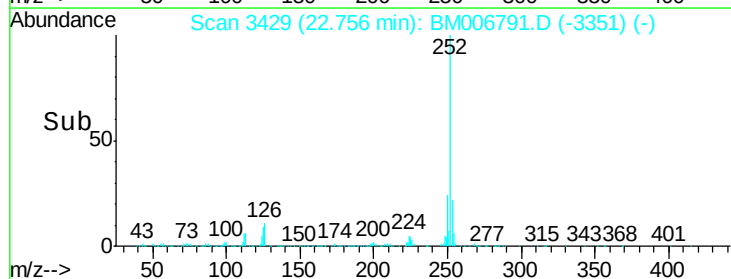
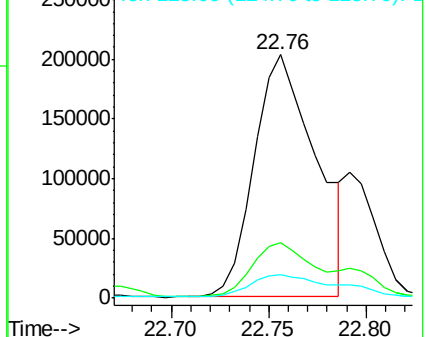
252 100

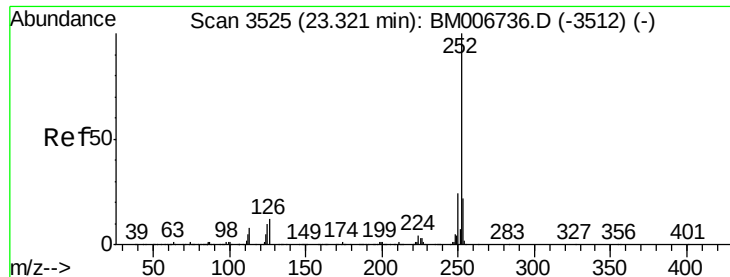
253 22.7 17.8 26.8

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: 3.81 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

Instrument :

BNA_M

ClientSampleId :

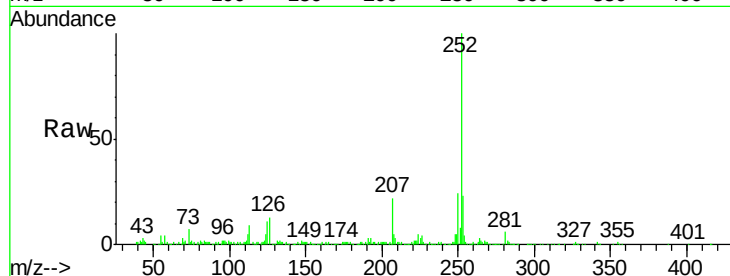
Tot Ion:252 Resp: 254662

Ion Ratio Lower Upper

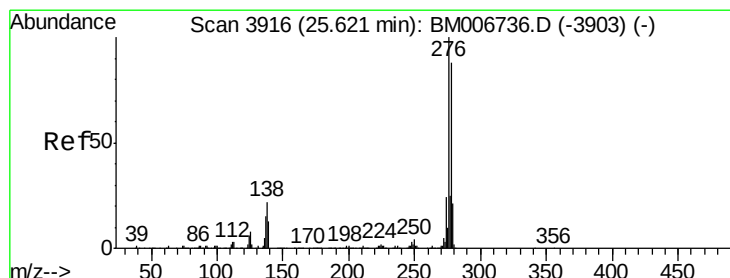
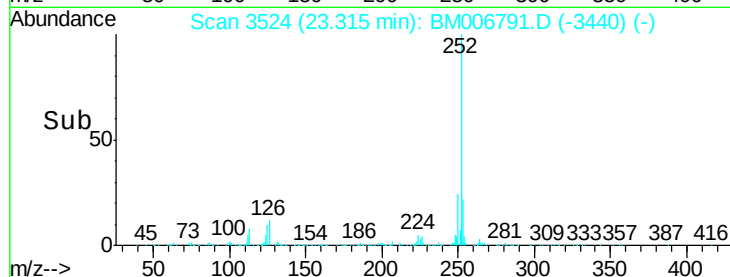
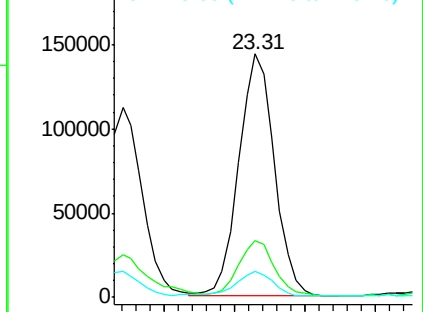
252 100

253 23.2 17.4 26.0

125 10.6 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: 2.38 ng/ul

RT: 25.61 min Scan# 3914

Delta R.T. -0.01 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

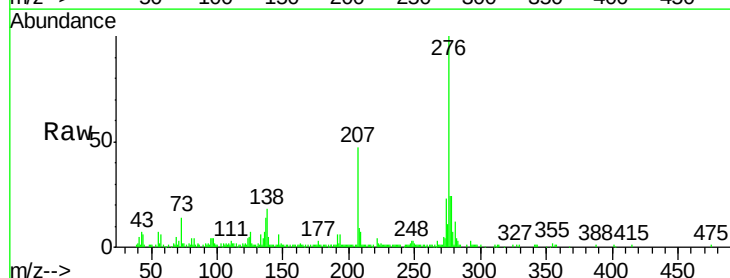
Tgt Ion:276 Resp: 184002

Ion Ratio Lower Upper

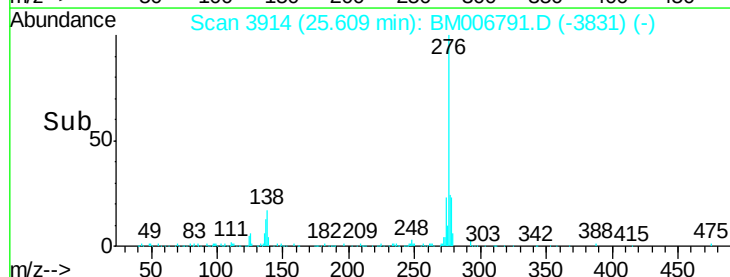
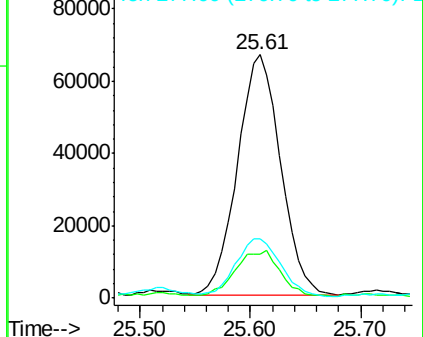
276 100

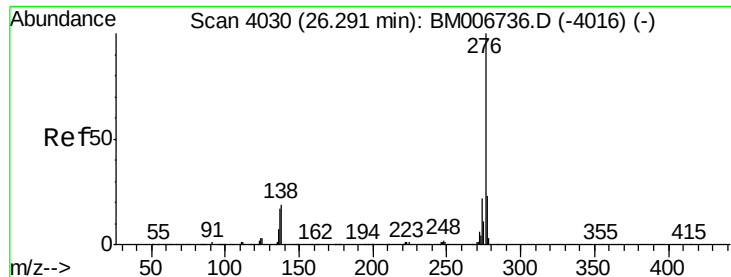
138 18.3 15.8 23.6

277 24.3 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: 2.37 ng/ul

RT: 26.29 min Scan# 4029

Delta R.T. -0.01 min

Lab File: BM006791.D

Acq: 31 Jul 2016 16:10

Instrument :

BNA_M

ClientSampleId :

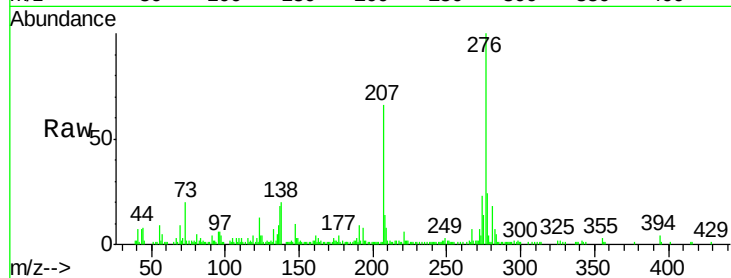
Tot Ion:276 Resp: 157424

Ion Ratio Lower Upper

276 100

138 20.1 13.9 20.9

277 23.9 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

