

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061516\
 Data File : BM005793.D
 Acq On : 14 Jun 2016 20:18
 Operator : UM/SJ
 Sample : H3565-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XX3

Quant Time: Jun 15 01:43:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 15 01:42:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	60912	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	327529	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	198546	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	378816	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	320463	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	332143	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3231	2.45	ng/uL	0.00
3) Phenol-d5	6.92	99	122141	24.41	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	81980	27.53	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	110525	26.52	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	107520	25.44	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	57730	24.89	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	66192	25.68	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	118929	24.12	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	144889	26.74	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	426837	27.08	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	546435	27.29	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	23562	13.00	ng/ul	0.01
21) Fluorene-d10	15.38	176	364455	27.76	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	26851	15.84	ng/ul	0.00
26) Anthracene-d10	17.23	188	481542	27.40	ng/ul	0.00
30) Pyrene-d10	19.53	212	439818	28.20	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	426154	27.78	ng/ul	0.00

Target Compounds

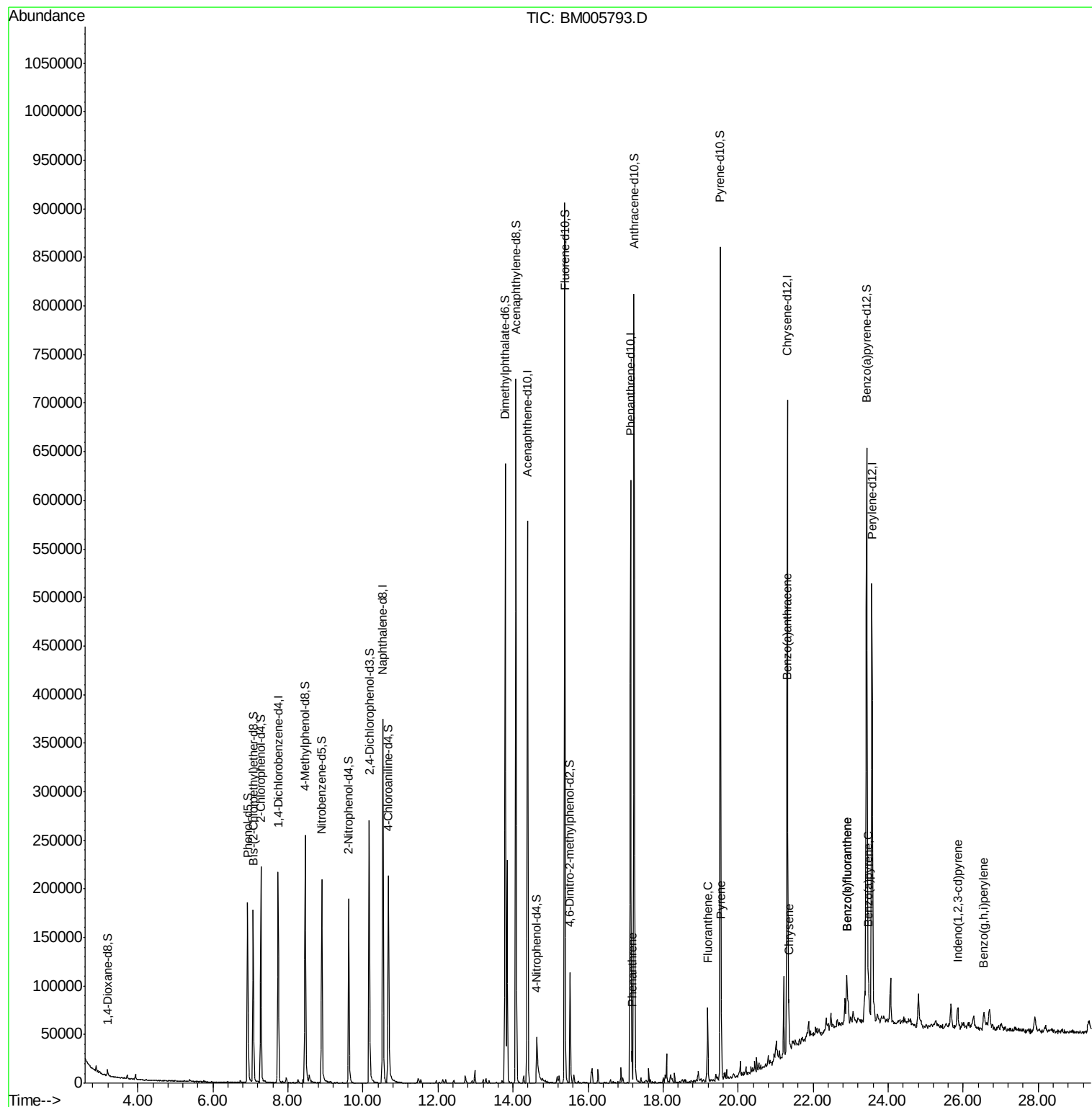
						Qvalue
25) Phenanthrene	17.17	178	22103	1.06	ng/ul	98
28) Fluoranthene	19.19	202	48054	2.17	ng/ul	98
31) Pyrene	19.55	202	41262	2.10	ng/ul	99
32) Benzo(a)anthracene	21.30	228	26345	1.42	ng/ul	99
33) Chrysene	21.35	228	27017	1.49	ng/ul	94
35) Benzo(b)fluoranthene	22.89	252	55627	2.80	ng/ul#	94
36) Benzo(k)fluoranthene	22.89	252	55627	3.03	ng/ul#	95
38) Benzo(a)pyrene	23.47	252	26338	1.39	ng/ul	94
39) Indeno(1,2,3-cd)pyrene	25.86	276	21900	1.01	ng/ul	94
41) Benzo(g,h,i)perylene	26.56	276	21744	1.16	ng/ul	98

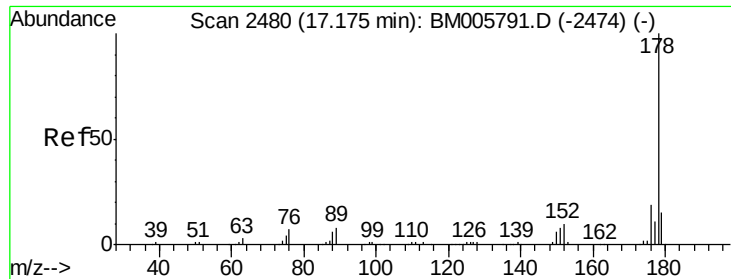
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.06 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

Instrument :

BNA_M

ClientSampleId :

D9XX3

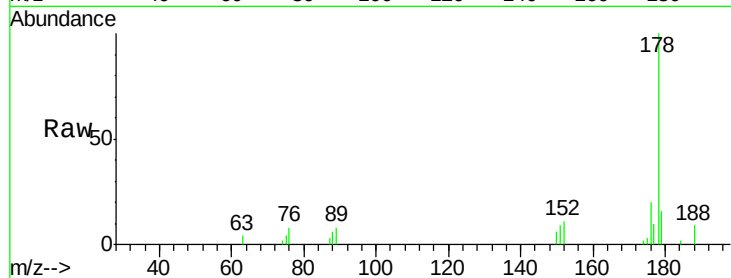
Tgt Ion:178 Resp: 22103

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

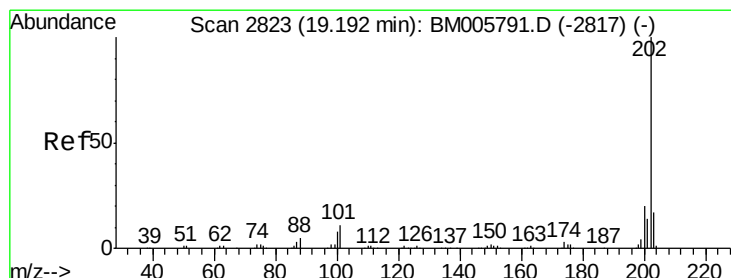
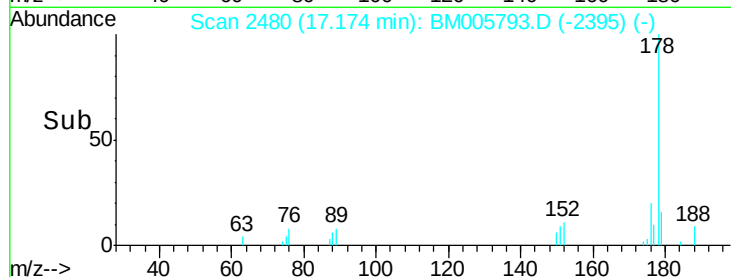
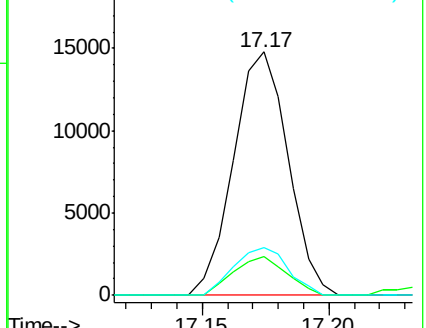
176 19.7 15.3 22.9



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: 2.17 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

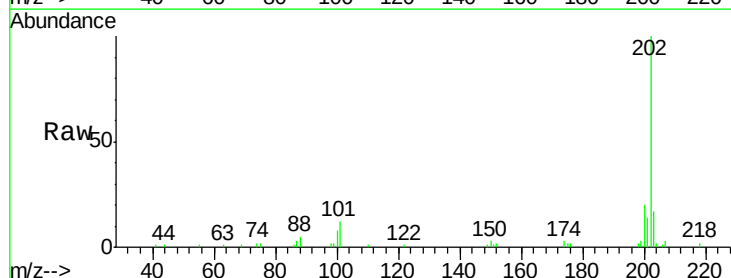
Tgt Ion:202 Resp: 48054

Ion Ratio Lower Upper

202 100

101 11.9 8.5 12.7

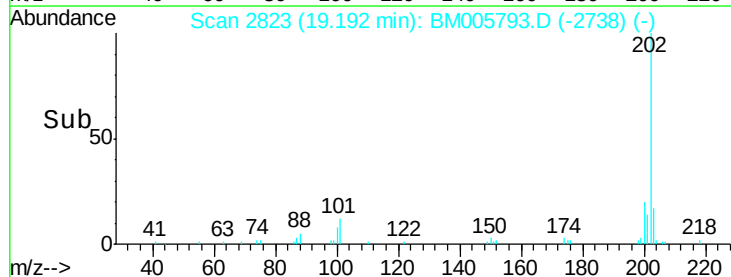
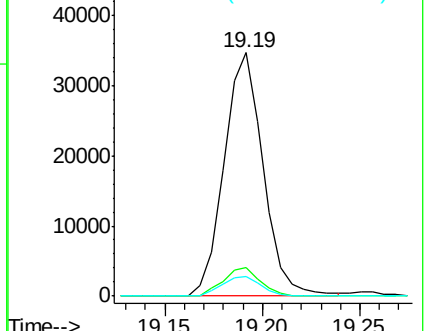
100 8.0 6.5 9.7

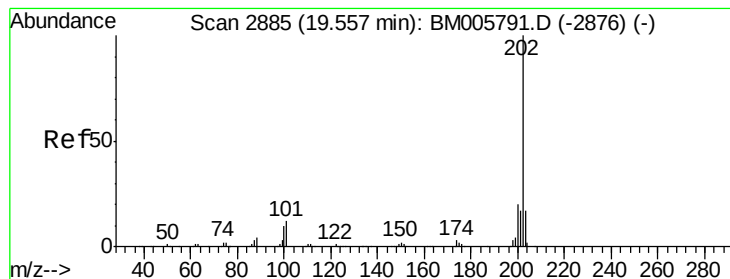


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 2.10 ng/ul

RT: 19.55 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

Instrument :

BNA_M

ClientSampleId :

D9XX3

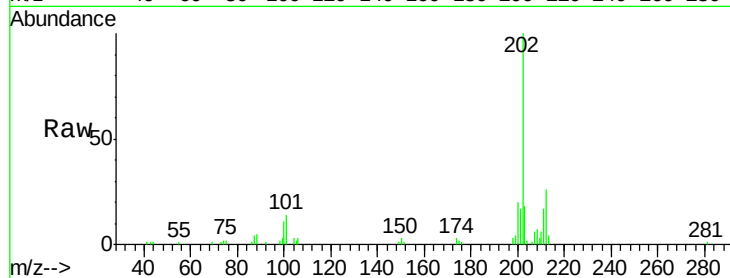
Tgt Ion:202 Resp: 41262

Ion Ratio Lower Upper

202 100

101 14.0 11.0 16.4

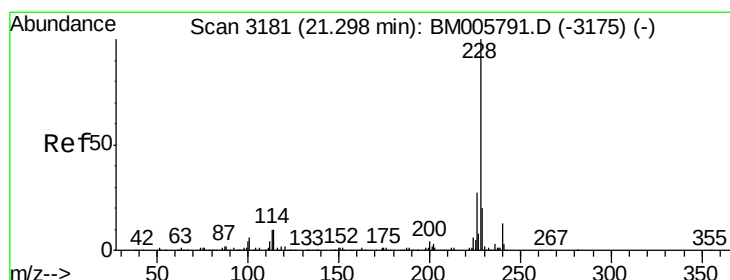
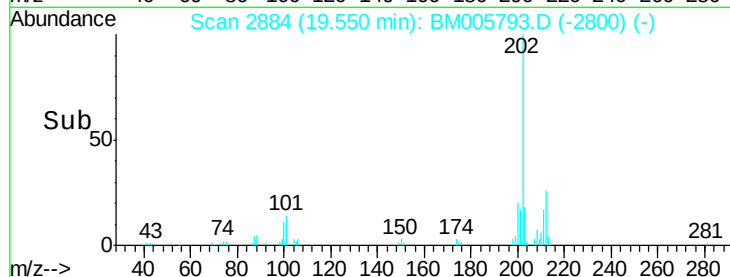
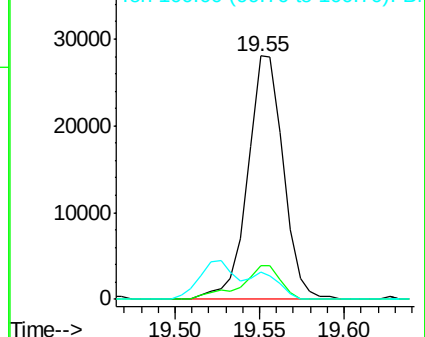
100 11.5 8.9 13.3



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: 1.42 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

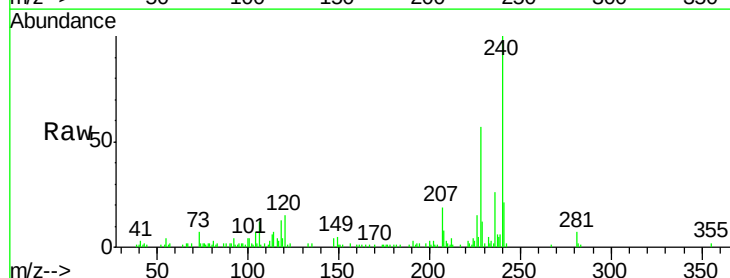
Tgt Ion:228 Resp: 26345

Ion Ratio Lower Upper

228 100

229 21.0 15.6 23.4

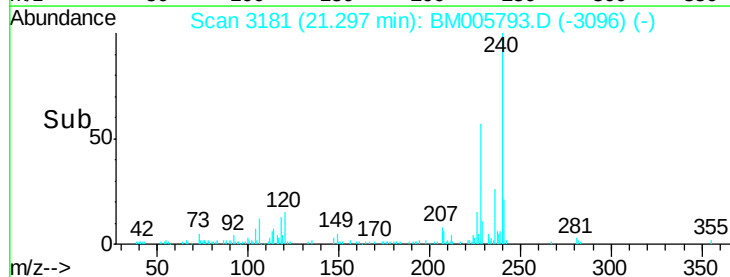
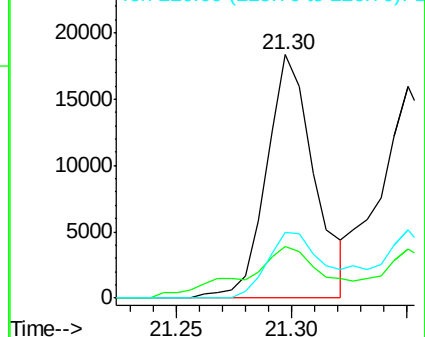
226 27.0 21.6 32.4

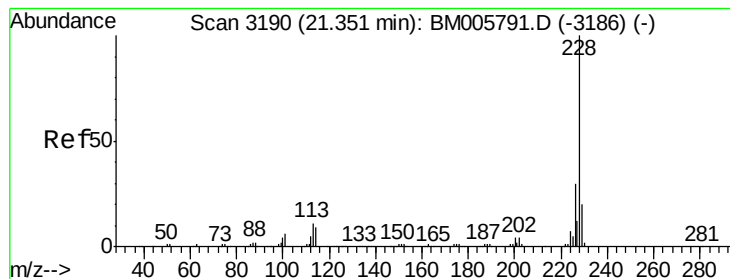


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 1.49 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

Instrument :

BNA_M

ClientSampleId :

D9XX3

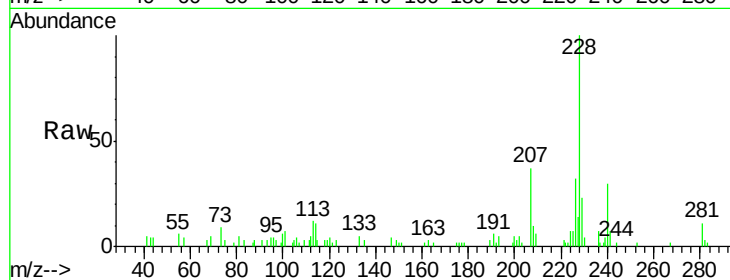
Tgt Ion:228 Resp: 27017

Ion Ratio Lower Upper

228 100

226 32.0 23.8 35.6

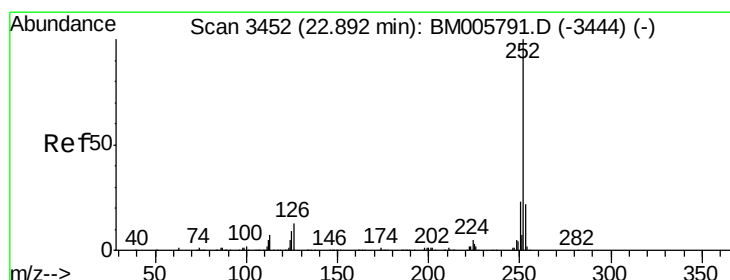
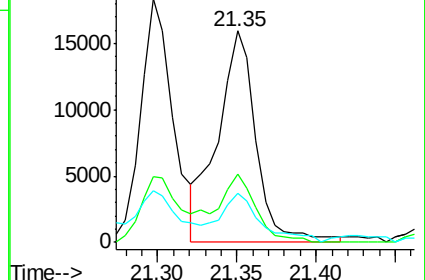
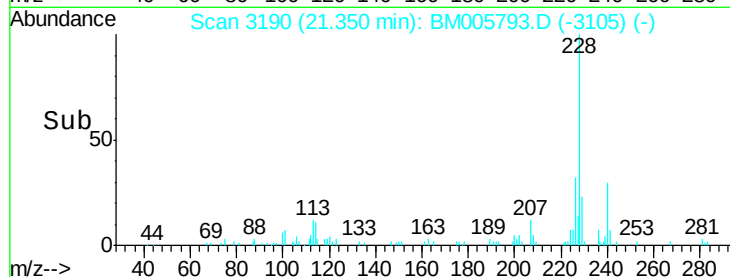
229 23.4 15.8 23.6



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: 2.80 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.00 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

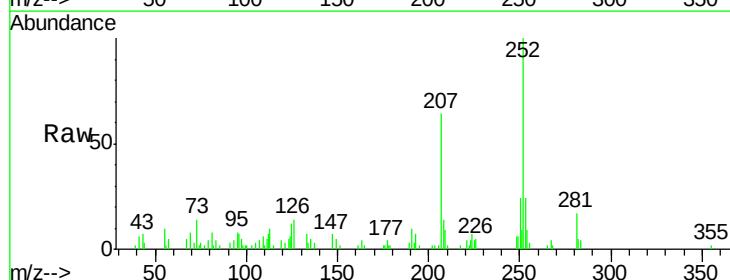
Tgt Ion:252 Resp: 55627

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

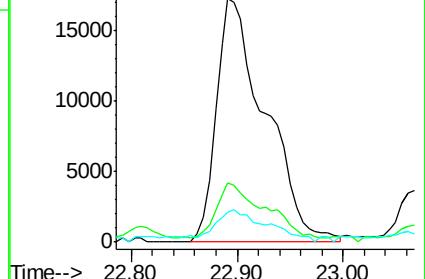
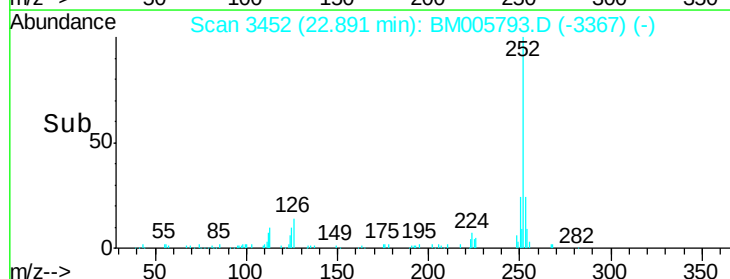
125 12.3 7.8 11.6#

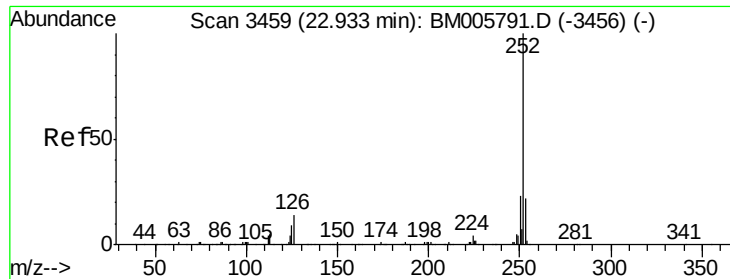


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 3.03 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

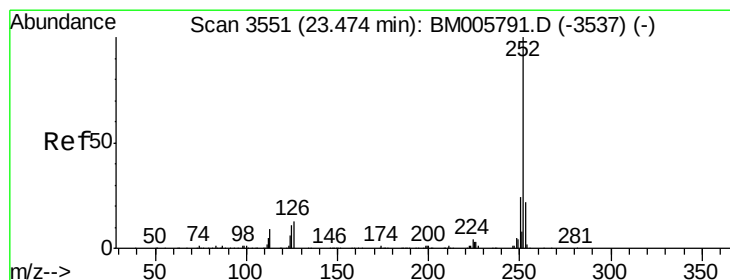
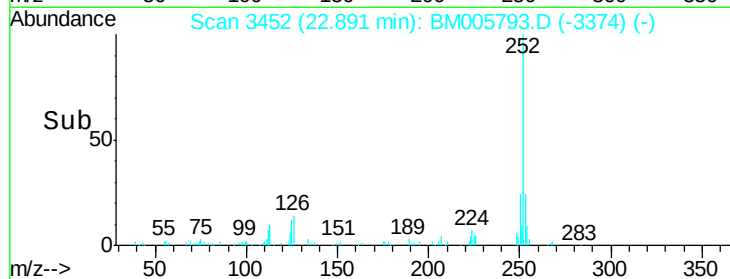
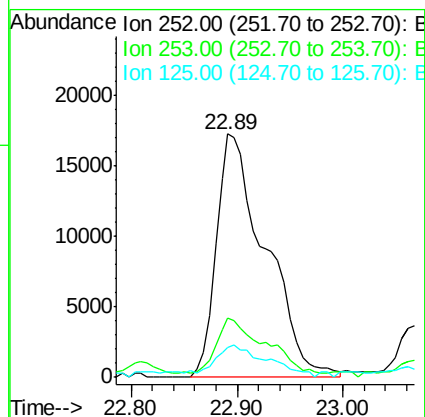
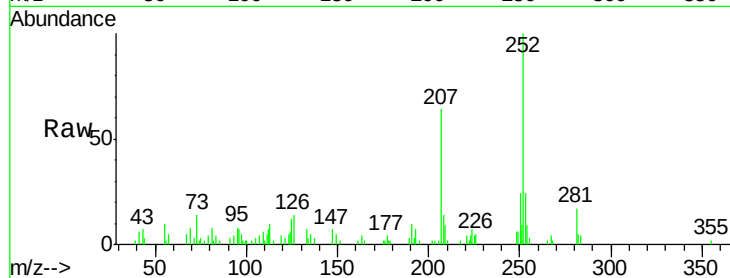
Instrument :

BNA_M

ClientSampleId :

D9XX3

Tgt Ion:	252	Resp:	55627
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	12.3	8.1	12.1#



#38

Benzo(a)pyrene

Concen: 1.39 ng/ul

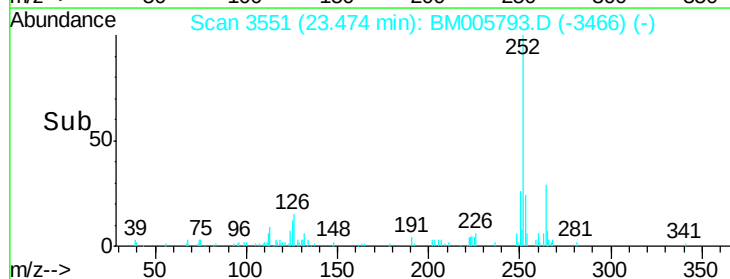
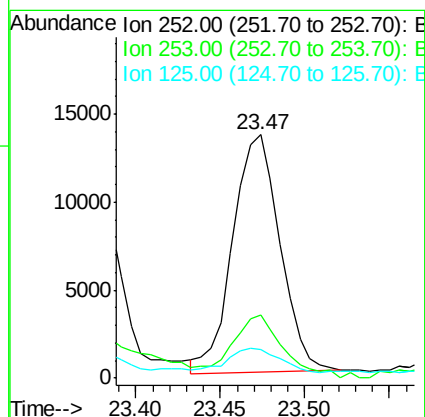
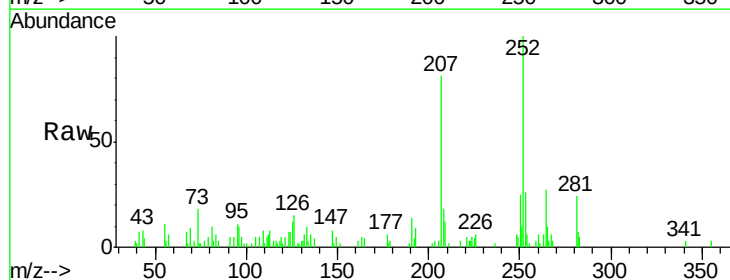
RT: 23.47 min Scan# 3551

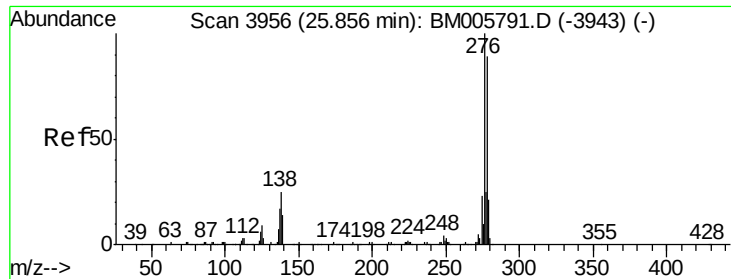
Delta R.T. -0.00 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

Tgt Ion:	252	Resp:	26338
Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.6
125	11.8	8.7	13.1





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.01 ng/ul

RT: 25.86 min Scan# 3956

Delta R.T. -0.00 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

Instrument :

BNA_M

ClientSampleId :

D9XX3

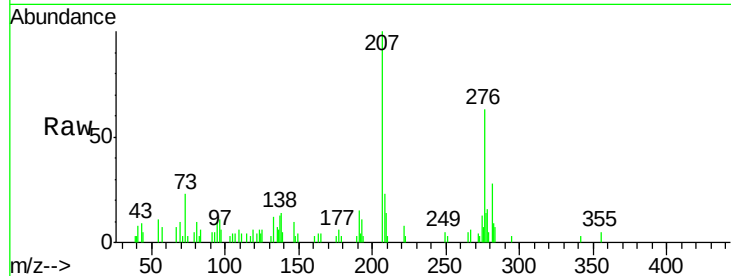
Tgt Ion:276 Resp: 21900

Ion Ratio Lower Upper

276 100

138 22.4 20.4 30.6

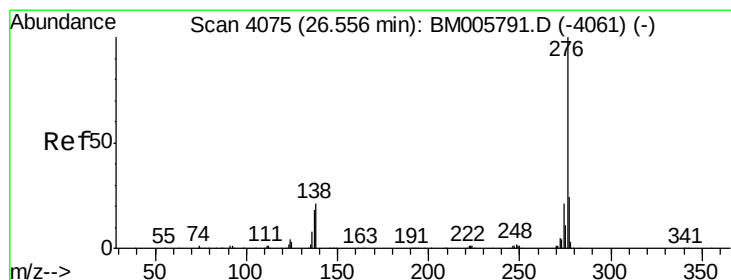
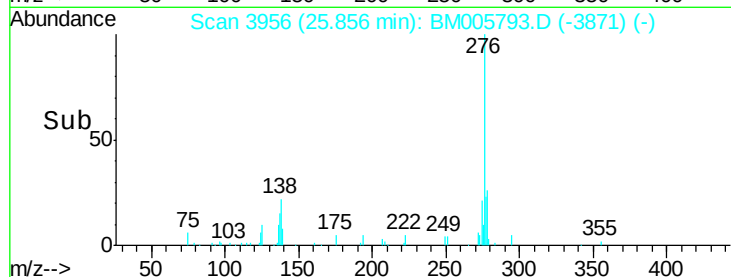
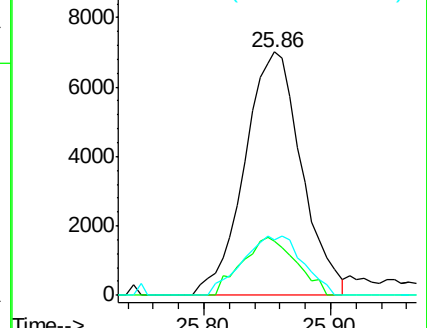
277 22.8 20.6 30.8



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(g,h,i)perylene

Concen: 1.16 ng/ul

RT: 26.56 min Scan# 4075

Delta R.T. -0.00 min

Lab File: BM005793.D

Acq: 14 Jun 2016 20:18

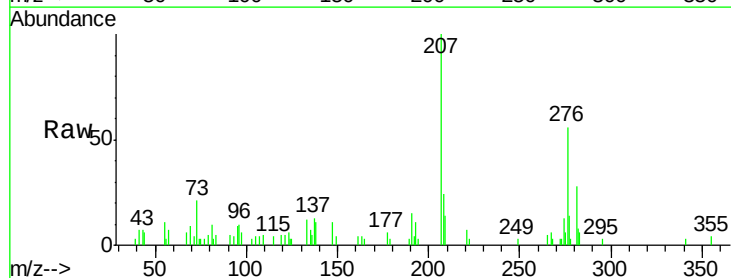
Tgt Ion:276 Resp: 21744

Ion Ratio Lower Upper

276 100

138 19.7 16.6 25.0

277 24.8 18.9 28.3



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

