

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002793.D
 Acq On : 30 Sep 2015 22:00
 Operator : UM/IZ
 Sample : G3798-23DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67DL

Quant Time: Oct 01 07:09:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 01 07:01:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	84748	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	378528	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	199931	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.02	188	403864	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	292403	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	295259	20.00	ng/ul	0.01

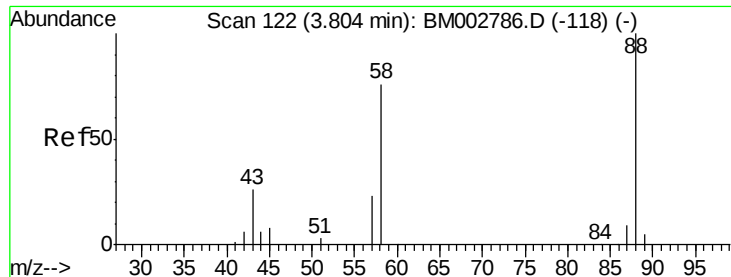
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	1940	1.06	ng/uL	0.00
5) Phenol-d5	7.83	99	49270	7.67	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.99	67	26685	7.39	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	44940	7.52	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	37162	7.02	ng/ul	0.00
19) Nitrobenzene-d5	9.90	128	20965	7.26	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	21527	7.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	38726	7.27	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	16576	2.59	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	122650	8.15	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	159850	7.96	ng/ul	0.00
52) 4-Nitrophenol-d4	15.48	143	19189	7.18	ng/ul	0.00
58) Fluorene-d10	16.27	176	109441	8.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	2738	1.39	ng/ul	0.00
71) Anthracene-d10	18.11	188	158712	8.23	ng/ul	0.00
79) Pyrene-d10	20.34	212	135051	9.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	122107	8.08	ng/ul	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.45	88	5461	2.71	ng/uL#	1
28) Naphthalene	11.62	128	20762	1.07	ng/ul#	95
45) Dimethylphthalate	14.72	163	81720	5.34	ng/ul	99
48) Acenaphthylene	15.03	152	182279	8.61	ng/ul	100
70) Phenanthrene	18.06	178	145807	6.24	ng/ul	99
72) Anthracene	18.14	178	232265	9.77	ng/ul	99
75) Carbazole	18.40	167	42072	2.03	ng/ul	95
77) Fluoranthene	20.02	202	800869	33.20	ng/ul	99
80) Pyrene	20.37	202	801710	43.16	ng/ul	99
83) Benzo(a)anthracene	22.09	228	536744	30.88	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.92	149	47108	3.75	ng/ul#	99
85) Chrysene	22.14	228	569631	34.74	ng/ul	94
88) Benzo(b)fluoranthene	23.91	252	1048242	59.10	ng/ul	97
89) Benzo(k)fluoranthene	23.91	252	246095	14.66	ng/ul#	96
91) Benzo(a)pyrene	24.59	252	547810	32.15	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	27.44	276	442279	22.25	ng/ul	93
93) Dibenzo(a,h)anthracene	27.43	278	145100	8.64	ng/ul#	81
94) Benzo(g,h,i)perylene	28.30	276	423026	25.28	ng/ul	98

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



#2

1,4-Dioxane

Concen: 2.71 ng/uL

RT: 3.45 min Scan# 62

Delta R.T. -0.35 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

ClientSampled :

D9G67DL

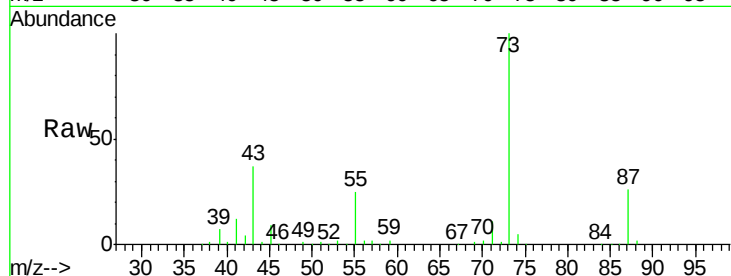
Tgt Ion: 88 Resp: 5461

Ion Ratio Lower Upper

88 100

43 2388.3 26.2 39.4#

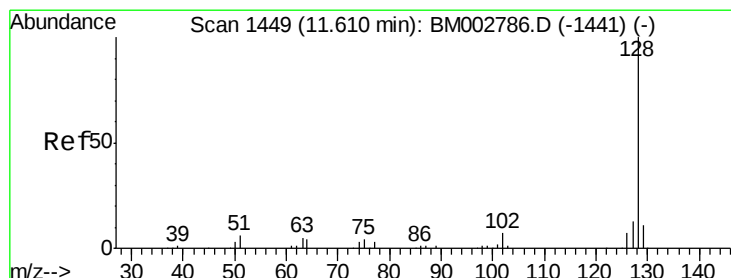
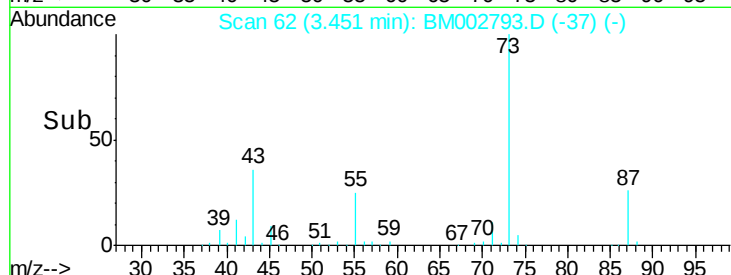
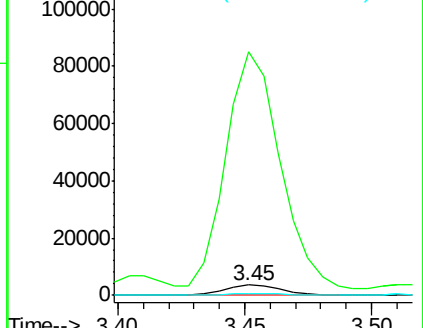
58 19.4 58.5 87.7#



Abundance Ion 88.00 (87.70 to 88.70): BM002786.D (-118) (-)

Ion 43.00 (42.70 to 43.70): BM002786.D (-118) (-)

Ion 58.00 (57.70 to 58.70): BM002786.D (-118) (-)



#28

Naphthalene

Concen: 1.07 ng/uL

RT: 11.62 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

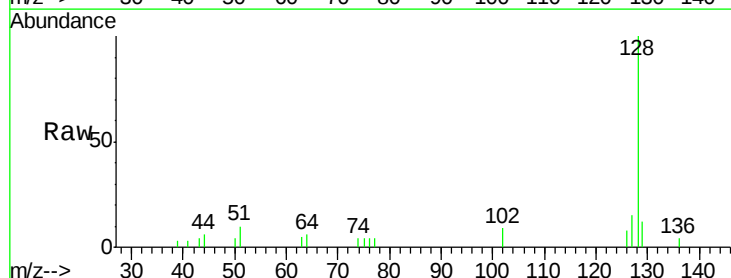
Tgt Ion: 128 Resp: 20762

Ion Ratio Lower Upper

128 100

129 11.8 8.7 13.1

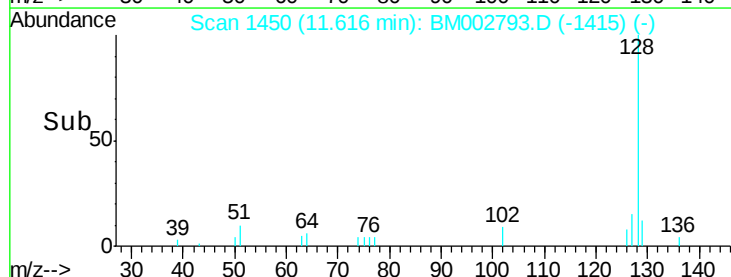
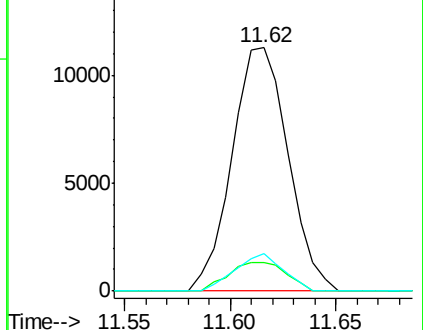
127 15.2 9.9 14.9#

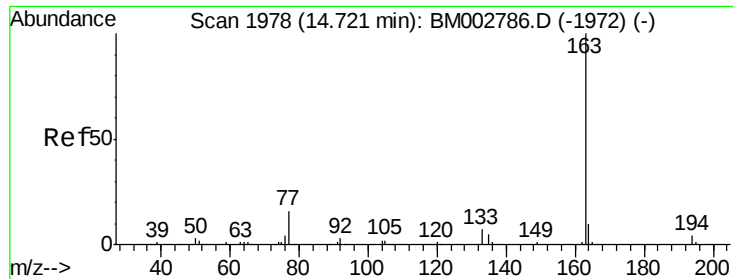


Abundance Ion 128.00 (127.70 to 128.70): BM002786.D (-1441) (-)

Ion 129.00 (128.70 to 129.70): BM002786.D (-1441) (-)

Ion 127.00 (126.70 to 127.70): BM002786.D (-1441) (-)





#45

Dimethylphthalate

Concen: 5.34 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

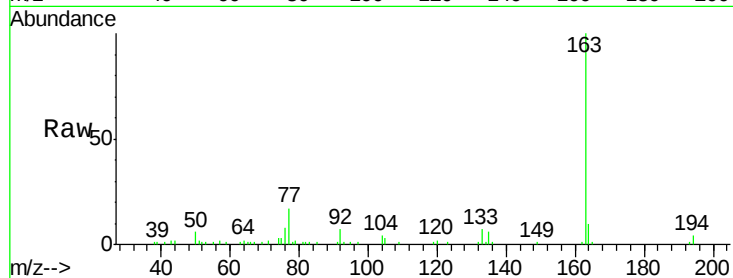
Instrument :

BNA_M

ClientSampleId :

D9G67DL

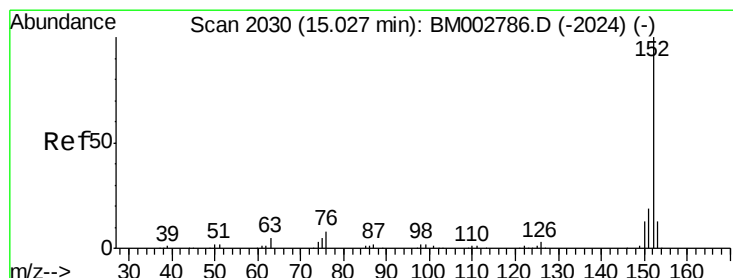
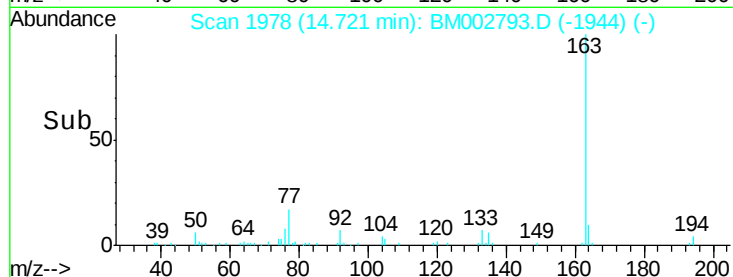
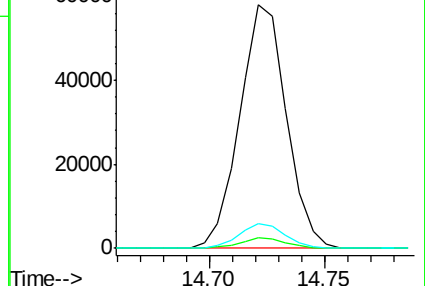
Tgt Ion:	163	Resp:	81720
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.2	4.8
164	10.3	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 8.61 ng/ul

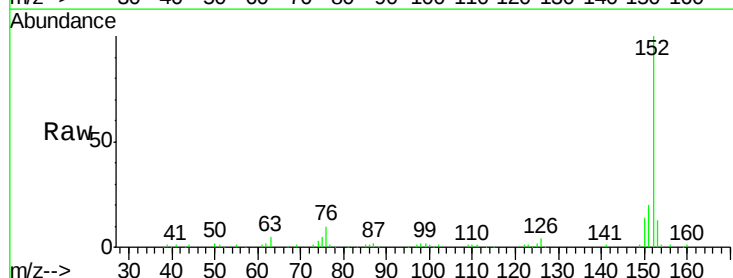
RT: 15.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

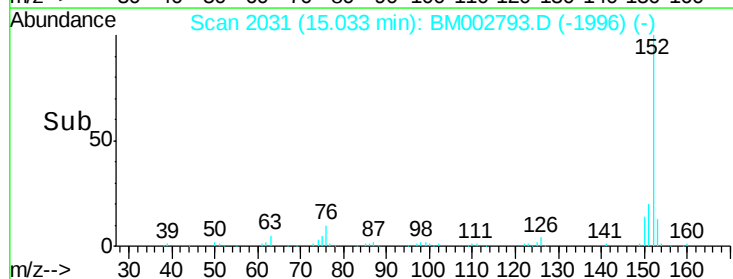
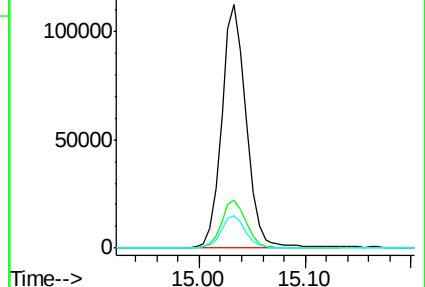
Tgt Ion:	152	Resp:	182279
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	13.1	10.4	15.6

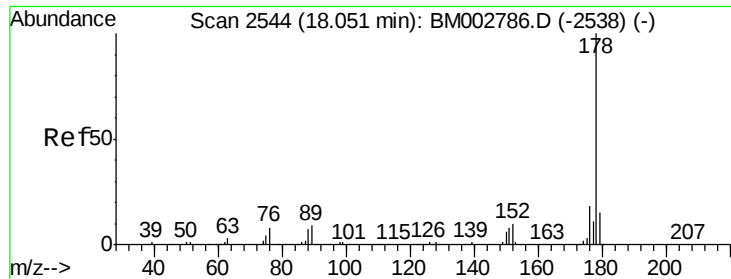


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#70

Phenanthrene

Concen: 6.24 ng/ul

RT: 18.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

ClientSampleId :

D9G67DL

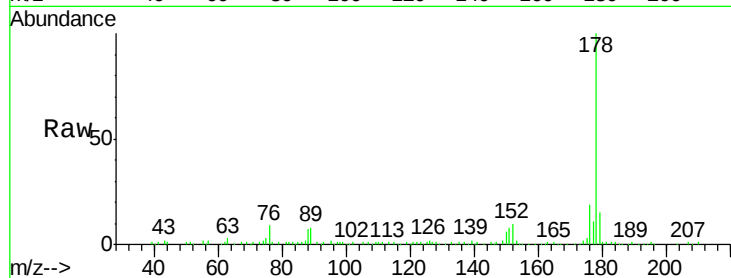
Tgt Ion:178 Resp: 145807

Ion Ratio Lower Upper

178 100

179 15.2 12.0 18.0

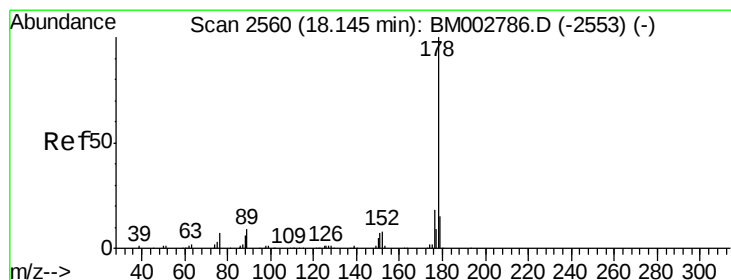
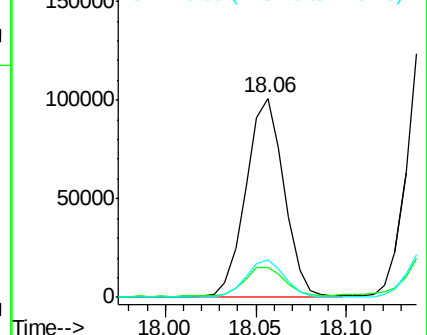
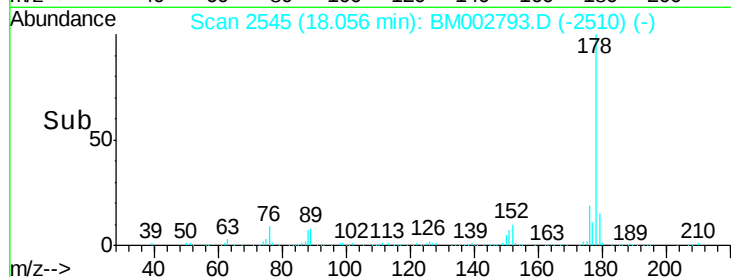
176 18.9 14.6 22.0



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



#72

Anthracene

Concen: 9.77 ng/ul

RT: 18.14 min Scan# 2560

Delta R.T. -0.00 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

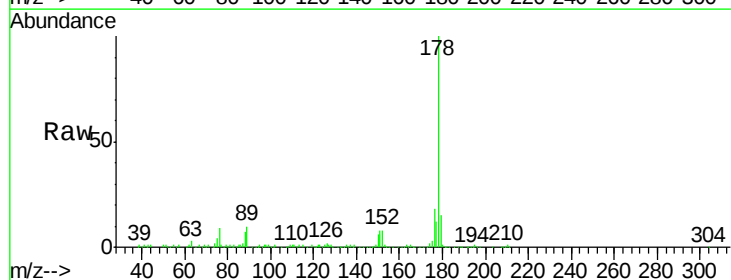
Tgt Ion:178 Resp: 232265

Ion Ratio Lower Upper

178 100

179 15.3 11.9 17.9

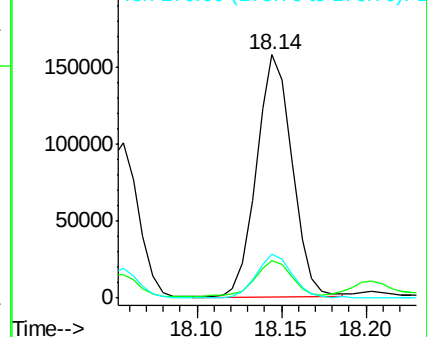
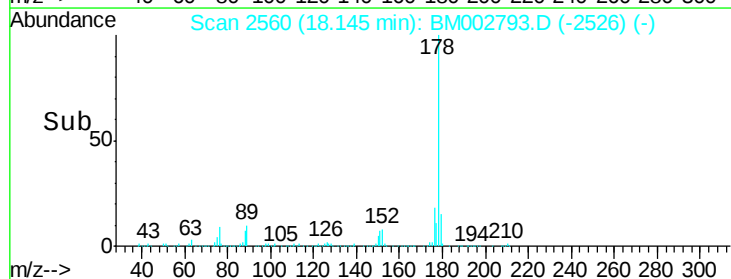
176 18.1 14.4 21.6

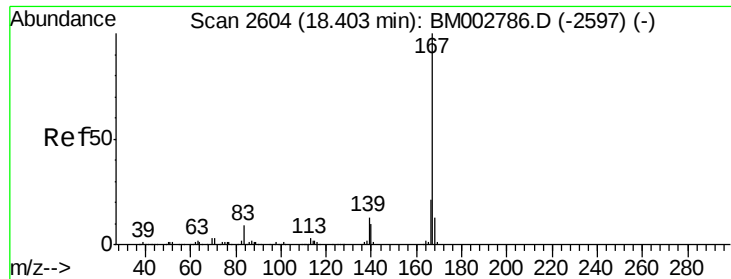


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.03 ng/ul

RT: 18.40 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

ClientSampleId :

D9G67DL

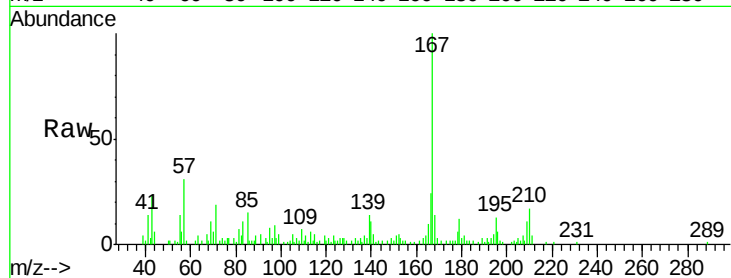
Tgt Ion:167 Resp: 42072

Ion Ratio Lower Upper

167 100

166 23.7 16.8 25.2

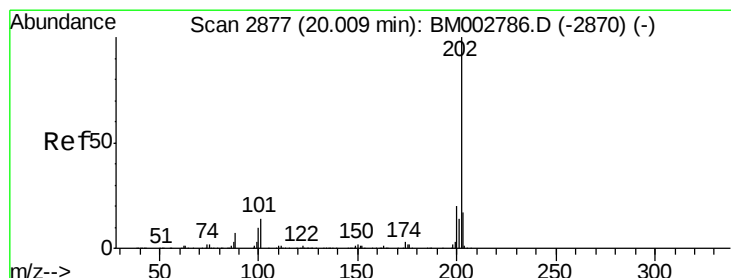
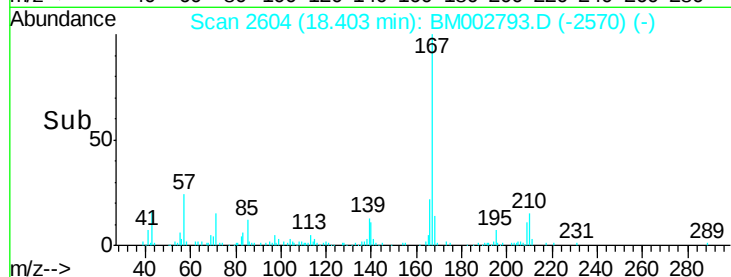
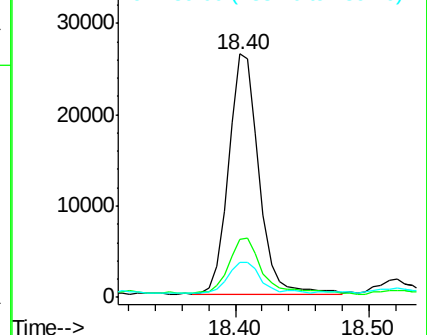
139 14.5 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 33.20 ng/ul

RT: 20.02 min Scan# 2878

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

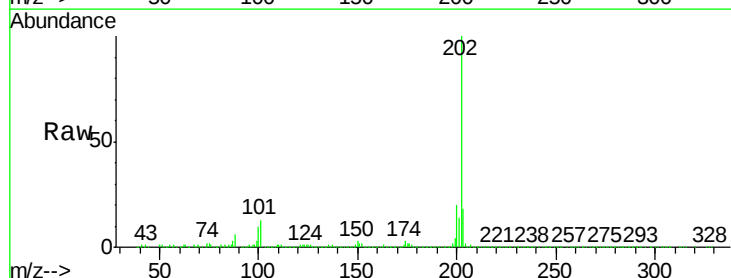
Tgt Ion:202 Resp: 800869

Ion Ratio Lower Upper

202 100

101 13.1 11.0 16.4

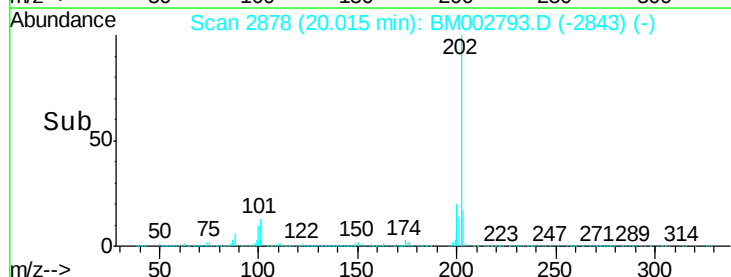
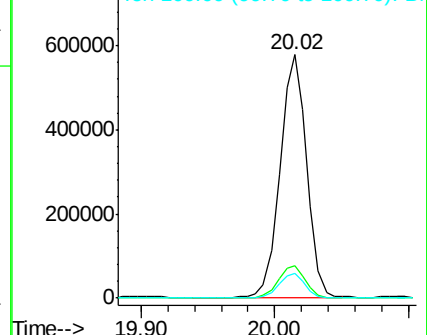
100 9.9 8.3 12.5

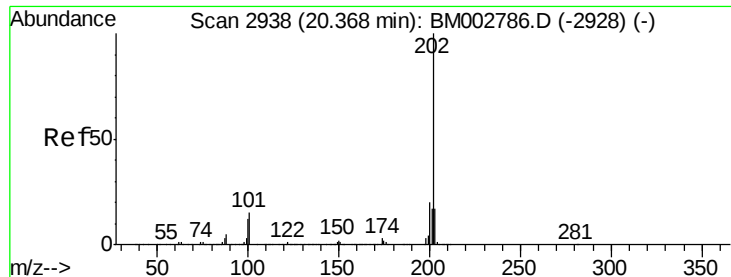


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pyrene

Concen: 43.16 ng/ul

RT: 20.37 min Scan# 2939

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

ClientSampleId :

D9G67DL

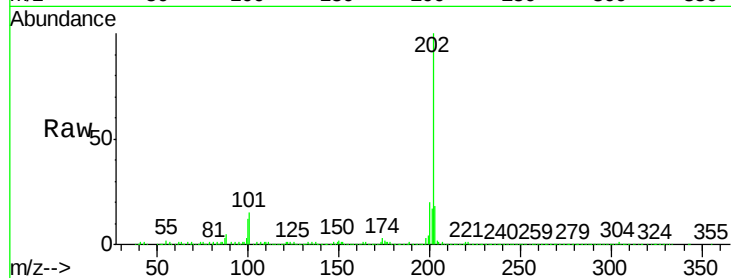
Tgt Ion:202 Resp: 801710

Ion Ratio Lower Upper

202 100

101 15.2 12.1 18.1

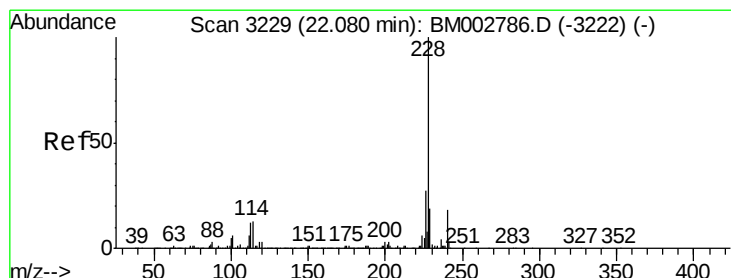
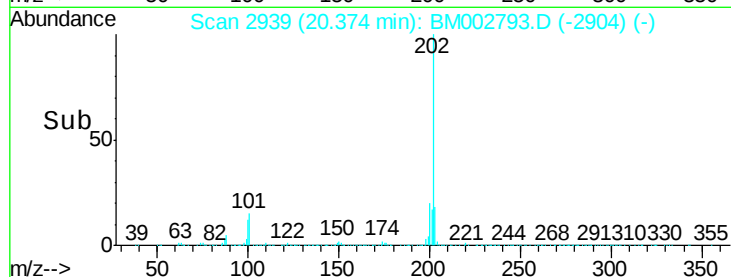
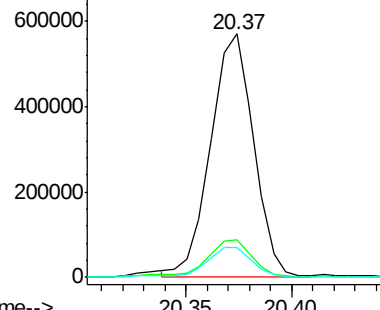
100 12.2 10.2 15.4



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



#83

Benzo(a)anthracene

Concen: 30.88 ng/ul

RT: 22.09 min Scan# 3230

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

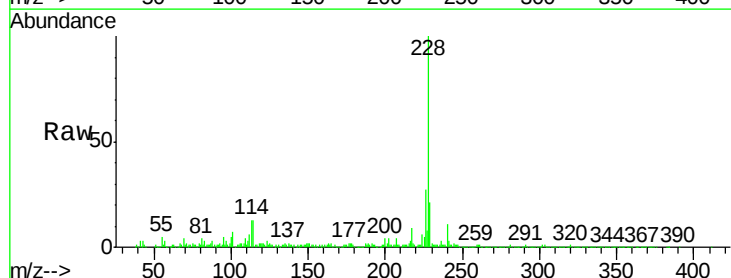
Tgt Ion:228 Resp: 536744

Ion Ratio Lower Upper

228 100

229 21.0 16.1 24.1

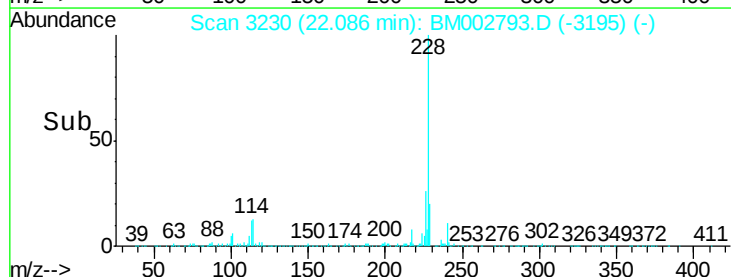
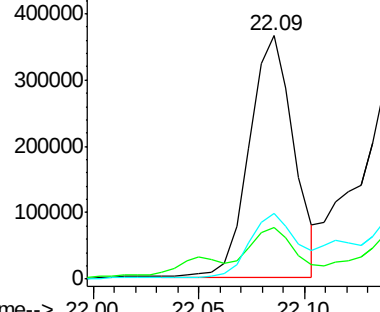
226 26.9 20.9 31.3

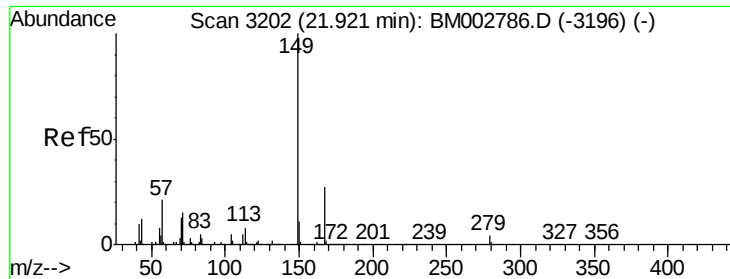


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

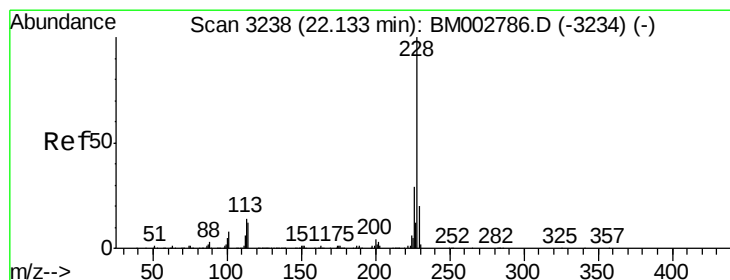
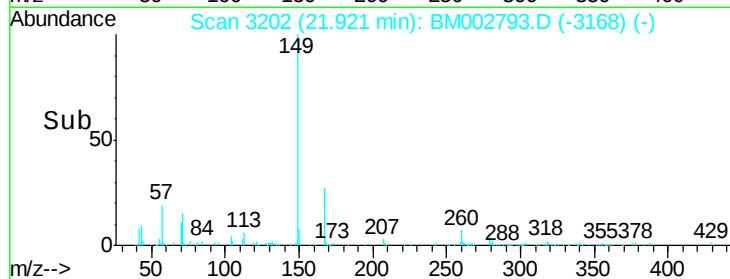
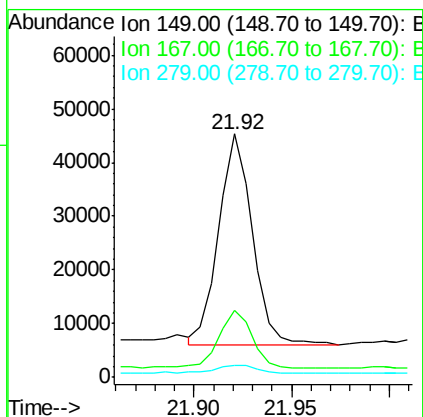
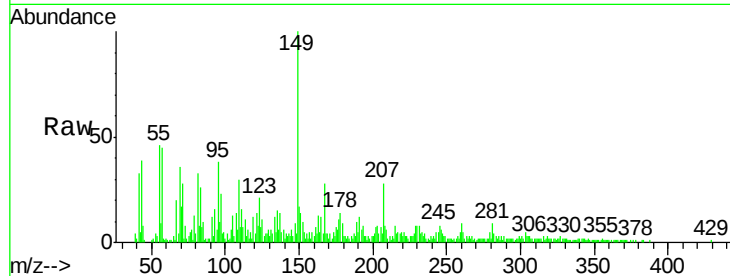




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.75 ng/ul
 RT: 21.92 min Scan# 3202
 Delta R.T. 0.00 min
 Lab File: BM002793.D
 Acq: 30 Sep 2015 22:00

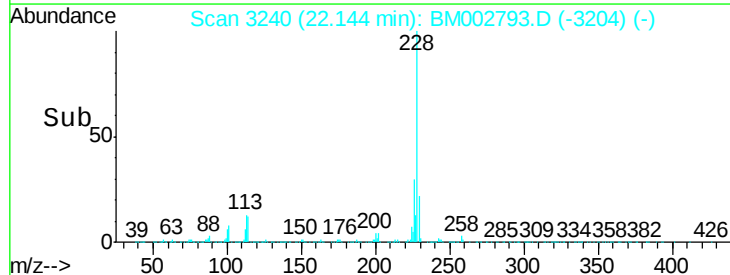
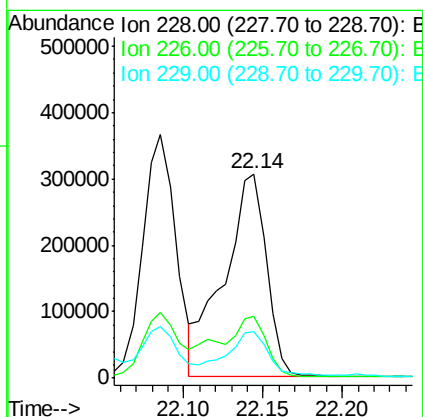
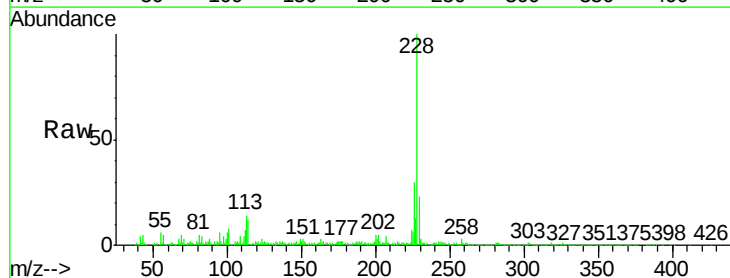
Instrument :
 BNA_M
 ClientSampleId :
 D9G67DL

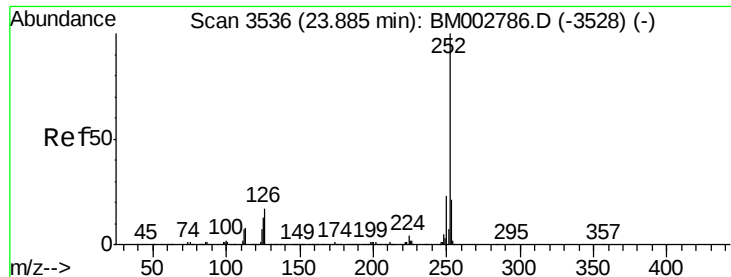
Tgt Ion:149 Resp: 47108
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.7 32.5
 279 5.0 3.0 4.6#



#85
 Chrysene
 Concen: 34.74 ng/ul
 RT: 22.14 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: BM002793.D
 Acq: 30 Sep 2015 22:00

Tgt Ion:228 Resp: 569631
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.4 33.6
 229 23.0 15.4 23.2





#88

Benzo(b)fluoranthene

Concen: 59.10 ng/ul

RT: 23.91 min Scan# 3540

Delta R.T. 0.02 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

ClientSampleId :

D9G67DL

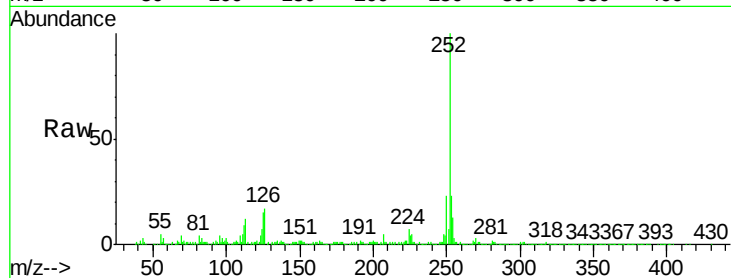
Tgt Ion:252 Resp: 1048242

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

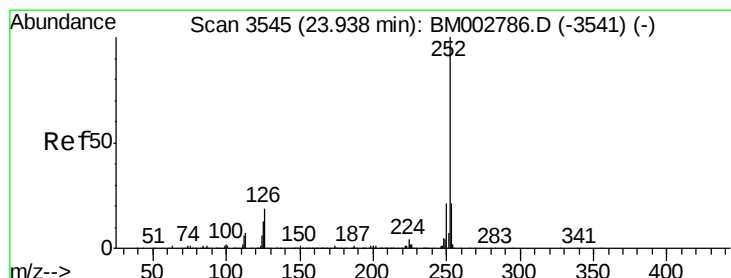
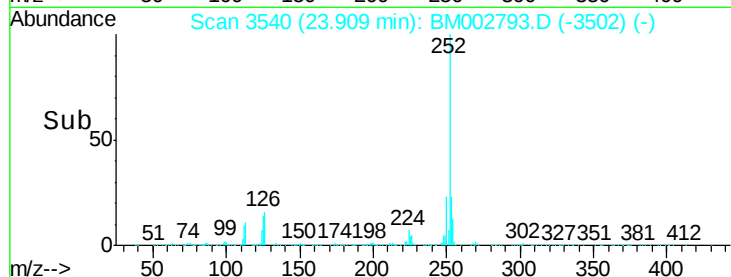
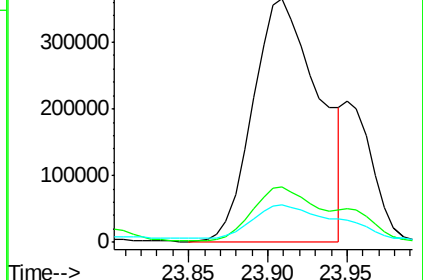
125 15.4 10.6 15.8



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



#89

Benzo(k)fluoranthene

Concen: 14.66 ng/ul

RT: 23.91 min Scan# 3540

Delta R.T. -0.03 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

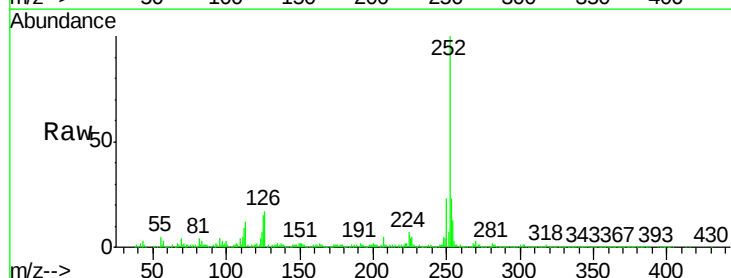
Tgt Ion:252 Resp: 246095

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

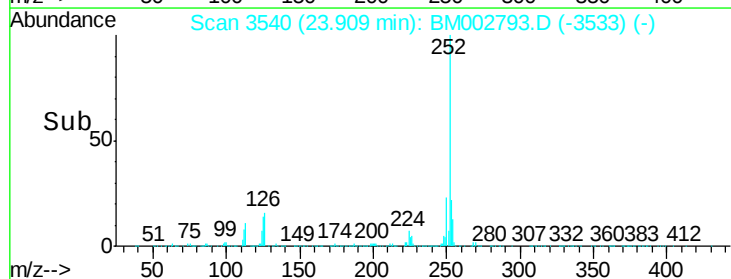
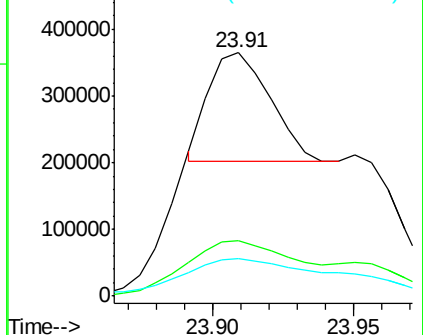
125 15.4 10.0 15.0#

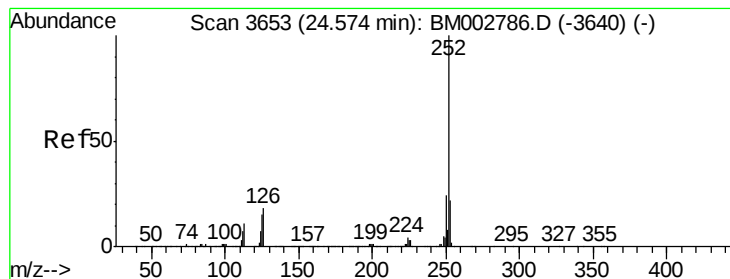


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 32.15 ng/ul

RT: 24.59 min Scan# 3656

Delta R.T. 0.02 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

ClientSampleId :

D9G67DL

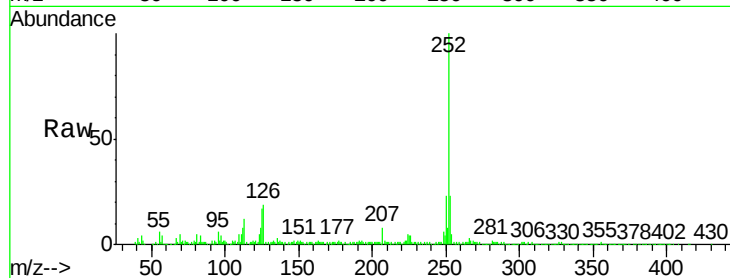
Tgt Ion: 252 Resp: 547810

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

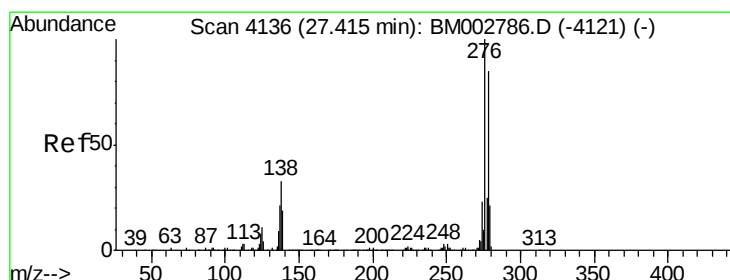
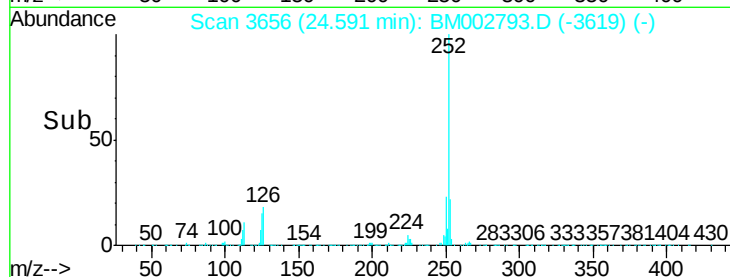
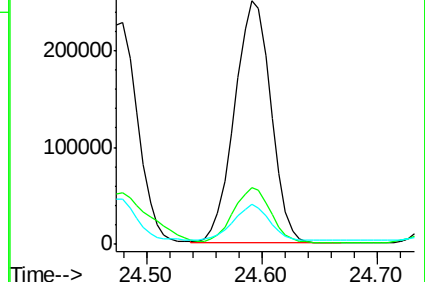
125 16.6 11.4 17.2



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 22.25 ng/ul

RT: 27.44 min Scan# 4141

Delta R.T. 0.03 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

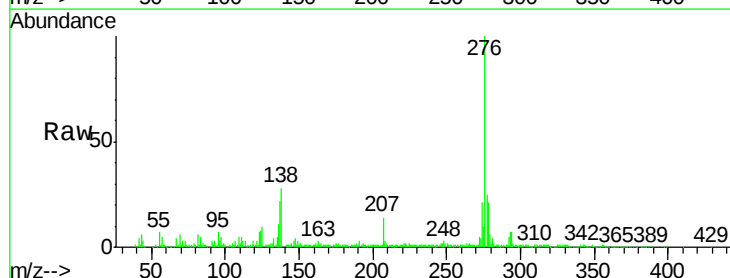
Tgt Ion: 276 Resp: 442279

Ion Ratio Lower Upper

276 100

138 27.9 27.7 41.5

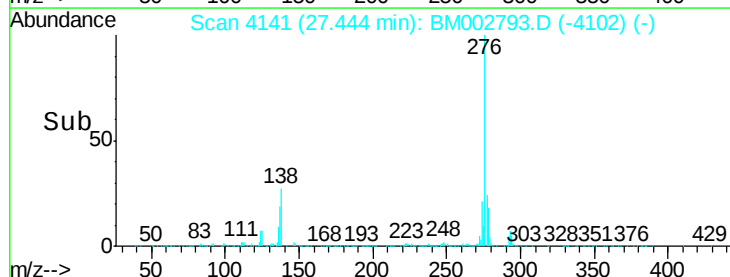
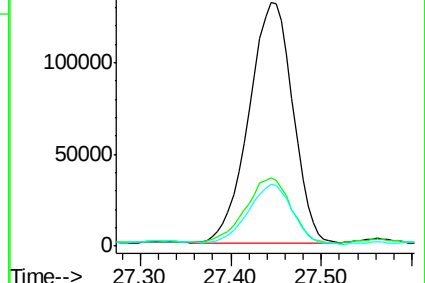
277 25.2 20.2 30.4

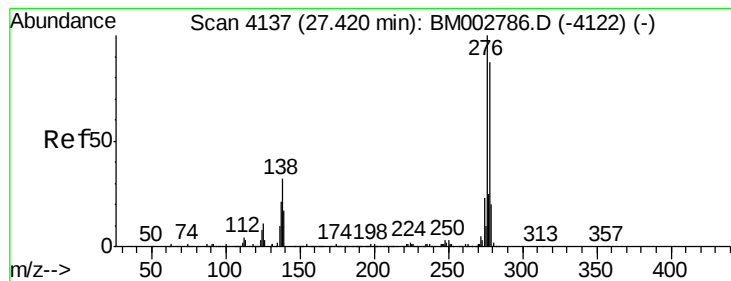


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 8.64 ng/ul

RT: 27.43 min Scan# 4139

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

ClientSampleId :

D9G67DL

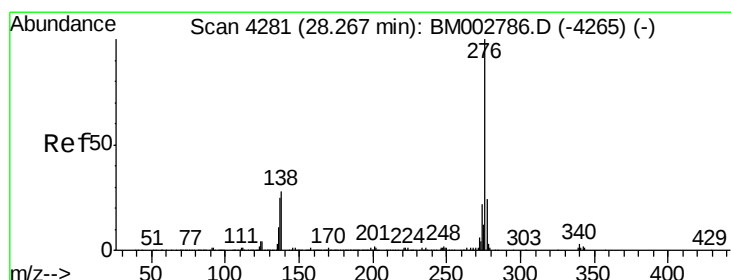
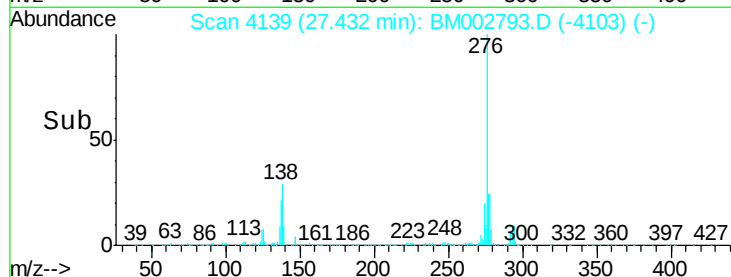
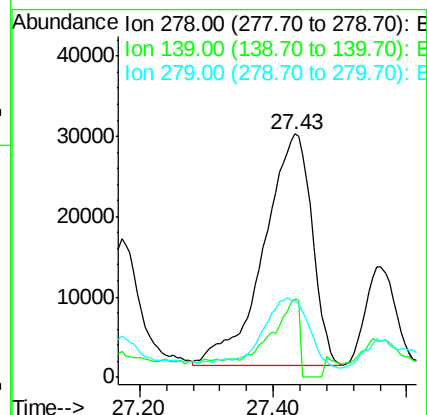
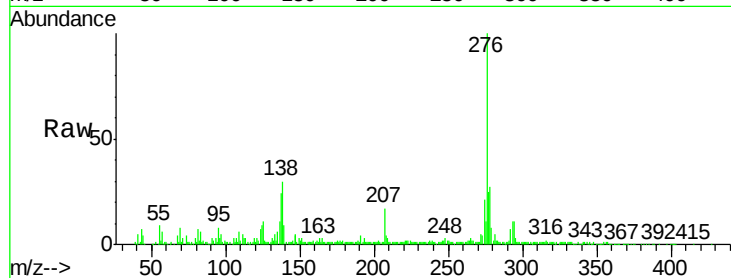
Tgt Ion: 278 Resp: 145100

Ion Ratio Lower Upper

278 100

139 32.2 17.0 25.6#

279 31.7 19.0 28.6#



#94

Benzo(g,h,i)perylene

Concen: 25.28 ng/ul

RT: 28.30 min Scan# 4287

Delta R.T. 0.04 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Tgt Ion: 276 Resp: 423026

Ion Ratio Lower Upper

276 100

138 28.4 21.8 32.8

277 24.3 18.9 28.3

