

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002790.D
 Acq On : 30 Sep 2015 20:10
 Operator : UM/IZ
 Sample : G3798-11RX
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G65

Quant Time: Oct 01 07:08:28 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	64594	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	261157	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	125973	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	248507	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	258987	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	273863	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	2931	2.11	ng/uL	0.00
5) Phenol-d5	7.82	99	48038	9.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	35723	12.97	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	53596	11.76	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	34390	8.52	ng/ul	0.00
19) Nitrobenzene-d5	9.90	128	26324	13.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	26686	12.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	40459	11.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	38051	8.60	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	133611	14.10	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	179322	14.18	ng/ul	0.00
52) 4-Nitrophenol-d4	15.48	143	8637	5.13	ng/ul	0.00
58) Fluorene-d10	16.27	176	120576	14.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	2980	2.46	ng/ul	0.00
71) Anthracene-d10	18.11	188	172170	14.52	ng/ul	0.00
79) Pyrene-d10	20.34	212	176056	14.56	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.52	264	199126	14.21	ng/ul	0.00

Target Compounds

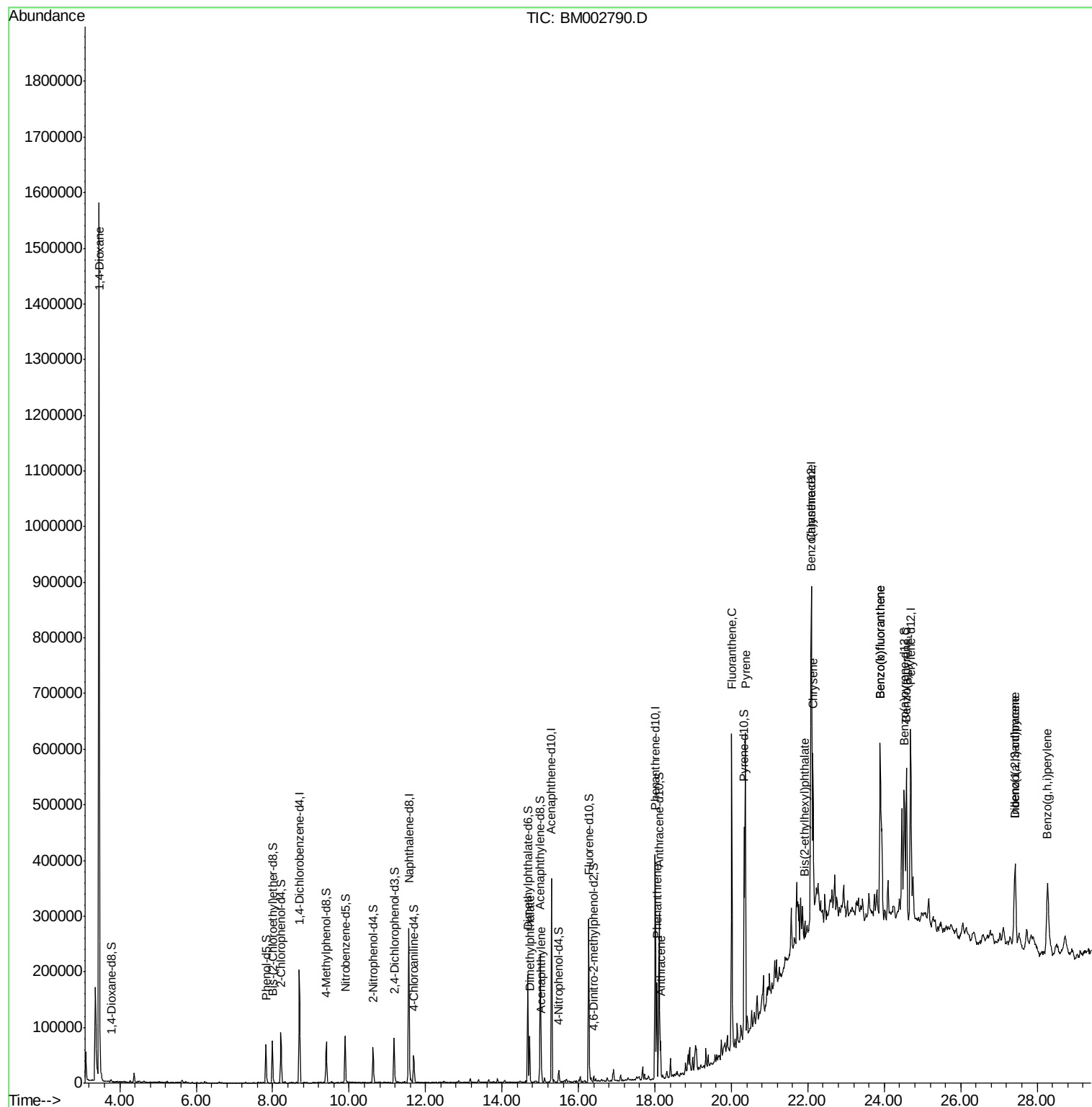
						Qvalue
2) 1,4-Dioxane	3.46	88	14159	9.21	ng/uL#	1
45) Dimethylphthalate	14.72	163	57317	5.95	ng/ul	100
48) Acenaphthylene	15.03	152	23342	1.75	ng/ul	100
70) Phenanthrene	18.05	178	106614	7.42	ng/ul	99
72) Anthracene	18.14	178	44143	3.02	ng/ul	99
77) Fluoranthene	20.01	202	337560	22.74	ng/ul	98
80) Pyrene	20.37	202	316516	19.24	ng/ul	99
83) Benzo(a)anthracene	22.08	228	209608	13.62	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.92	149	12666	1.14	ng/ul#	92
85) Chrysene	22.14	228	188810	13.00	ng/ul	95
88) Benzo(b)fluoranthene	23.90	252	302944	18.41	ng/ul	97
89) Benzo(k)fluoranthene	23.90	252	79394	5.10	ng/ul#	96
91) Benzo(a)pyrene	24.58	252	215690	13.65	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	27.42	276	163111	8.85	ng/ul	93
93) Dibenzo(a,h)anthracene	27.41	278	42644	2.74	ng/ul#	72
94) Benzo(g,h,i)perylene	28.27	276	143704	9.26	ng/ul	94

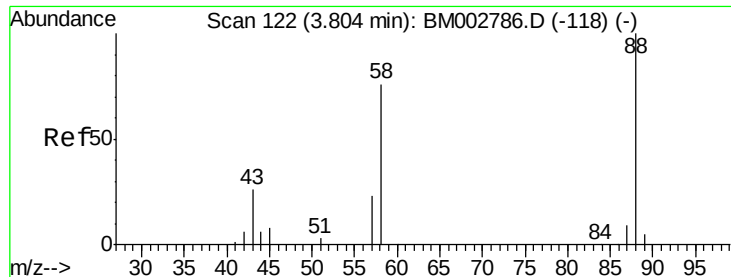
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 9.21 ng/uL

RT: 3.46 min Scan# 63

Delta R.T. -0.35 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

Instrument :

BNA_M

ClientSampleId :

D9G65

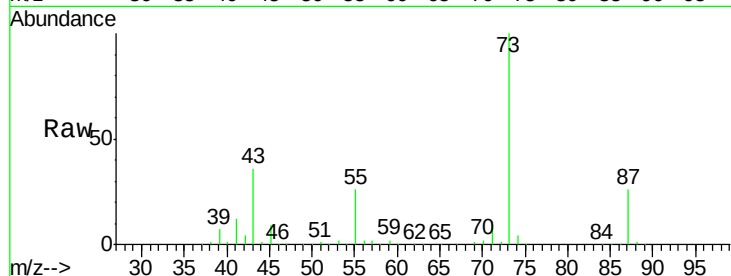
Tgt Ion: 88 Resp: 14159

Ion Ratio Lower Upper

88 100

43 2326.1 26.2 39.4#

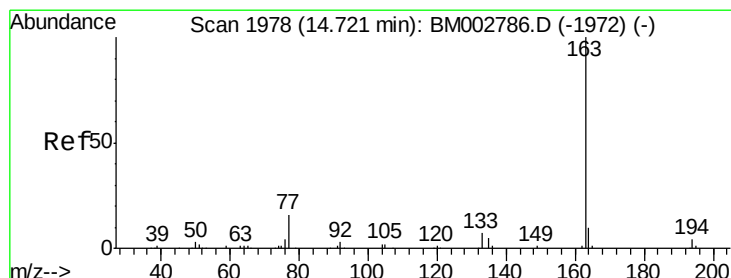
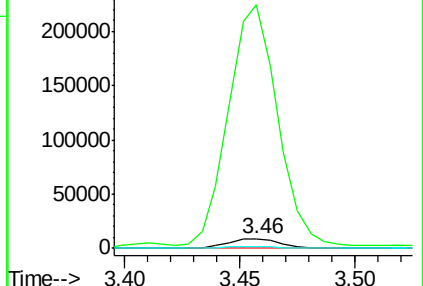
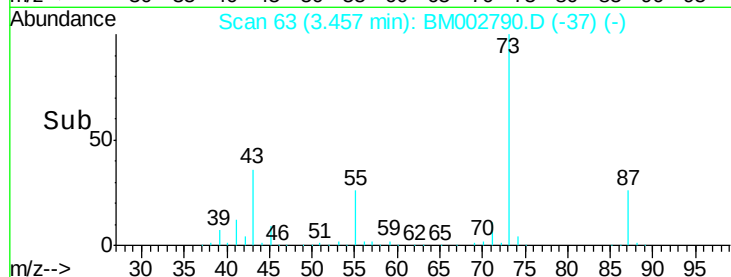
58 21.4 58.5 87.7#



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) (-)



#45

Dimethylphthalate

Concen: 5.95 ng/uL

RT: 14.72 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

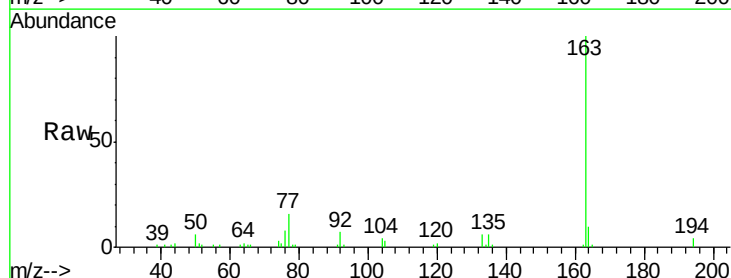
Tgt Ion: 163 Resp: 57317

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

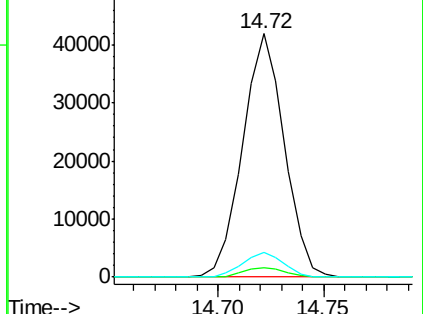
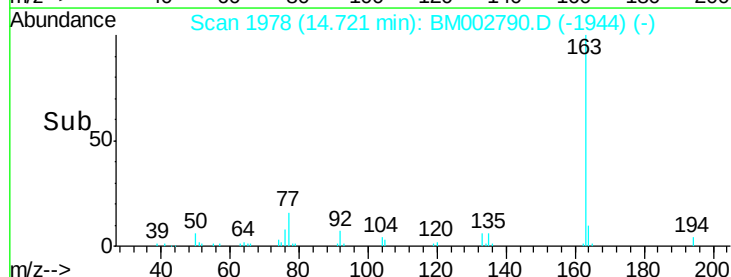
164 9.9 8.1 12.1

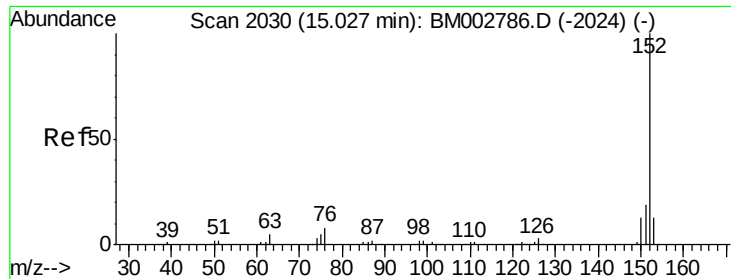


Abundance Ion 163.00 (162.70 to 163.70): BM002786.D (-1972) (-)

Ion 194.00 (193.70 to 194.70): BM002786.D (-1972) (-)

Ion 164.00 (163.70 to 164.70): BM002786.D (-1972) (-)





#48

Acenaphthylene

Concen: 1.75 ng/ul

RT: 15.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

Instrument :

BNA_M

ClientSampleId :

D9G65

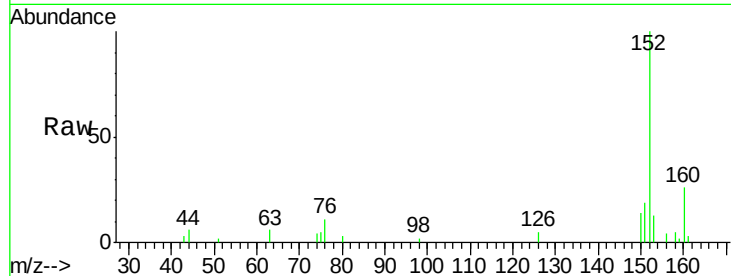
Tgt Ion:152 Resp: 23342

Ion Ratio Lower Upper

152 100

151 19.3 15.6 23.4

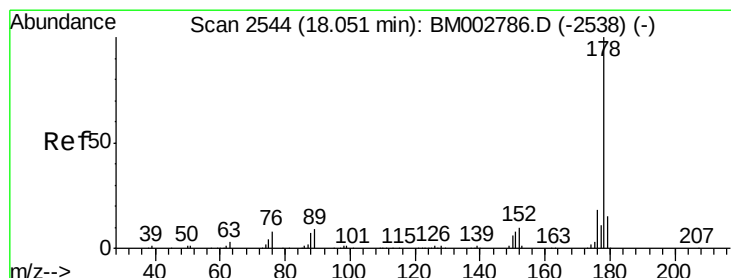
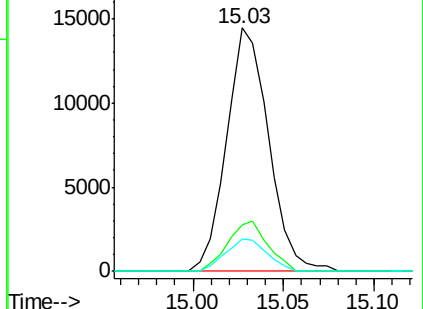
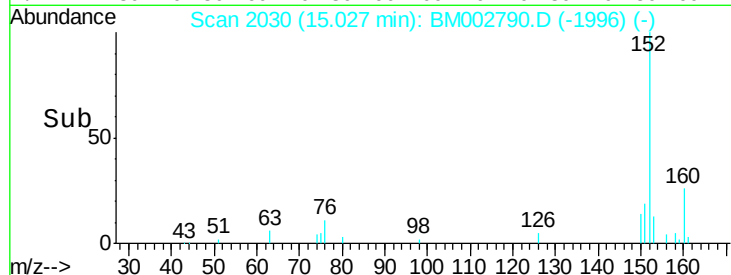
153 13.3 10.4 15.6



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: 7.42 ng/ul

RT: 18.05 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

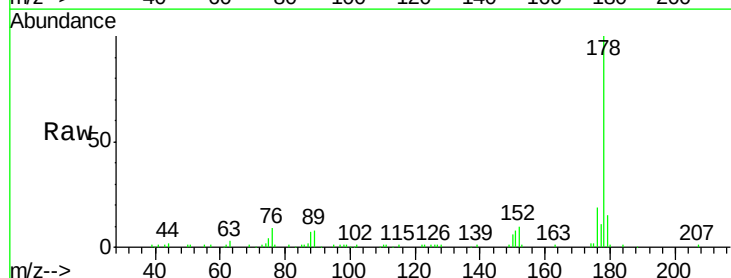
Tgt Ion:178 Resp: 106614

Ion Ratio Lower Upper

178 100

179 15.5 12.0 18.0

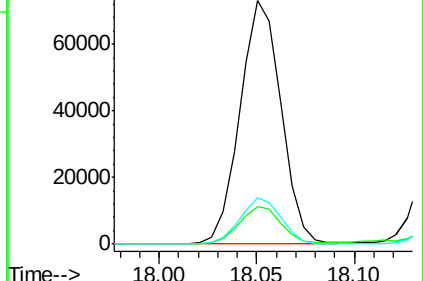
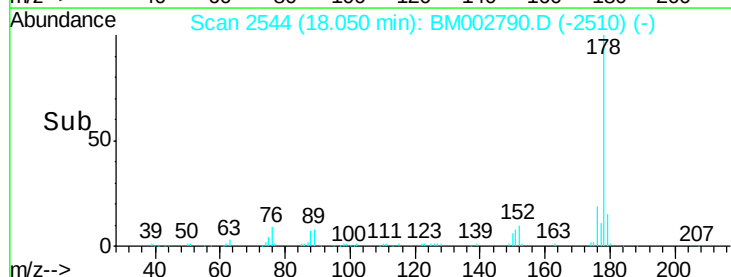
176 18.9 14.6 22.0

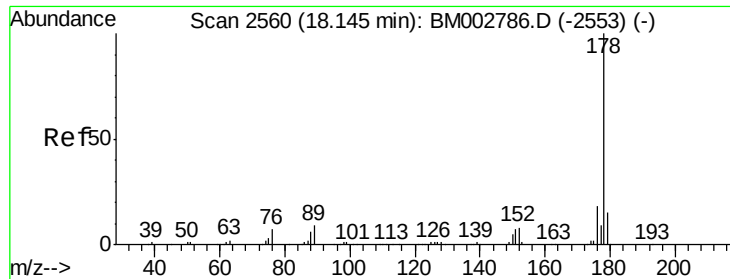


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.02 ng/ul

RT: 18.14 min Scan# 2560

Delta R.T. -0.00 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

Instrument :

BNA_M

ClientSampled :

D9G65

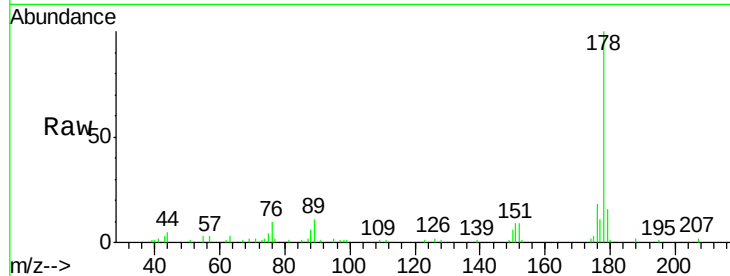
Tgt Ion:178 Resp: 44143

Ion Ratio Lower Upper

178 100

179 15.7 11.9 17.9

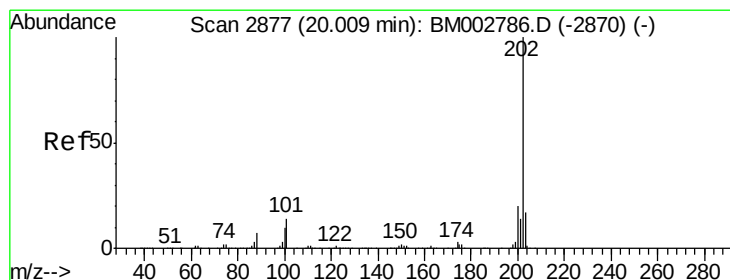
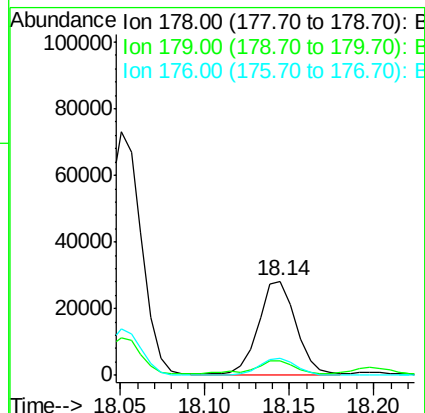
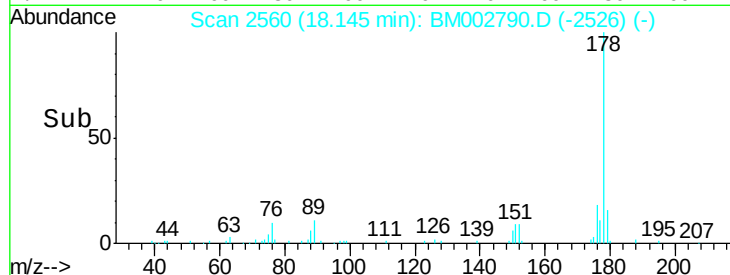
176 18.2 14.4 21.6



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



#77

Fluoranthene

Concen: 22.74 ng/ul

RT: 20.01 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

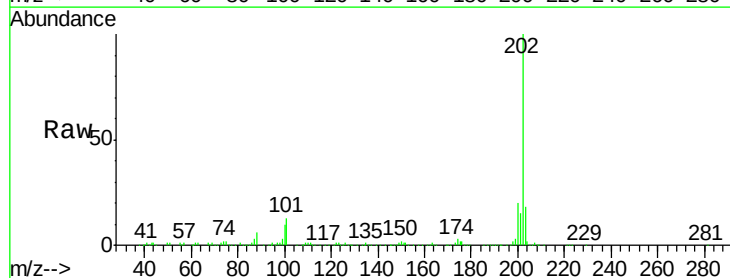
Tgt Ion:202 Resp: 337560

Ion Ratio Lower Upper

202 100

101 13.1 11.0 16.4

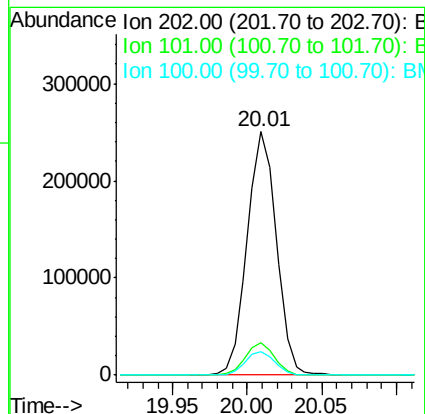
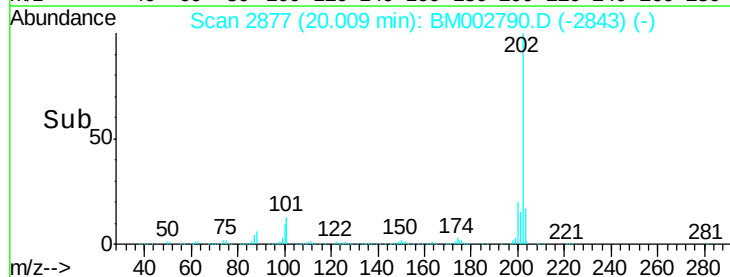
100 9.7 8.3 12.5

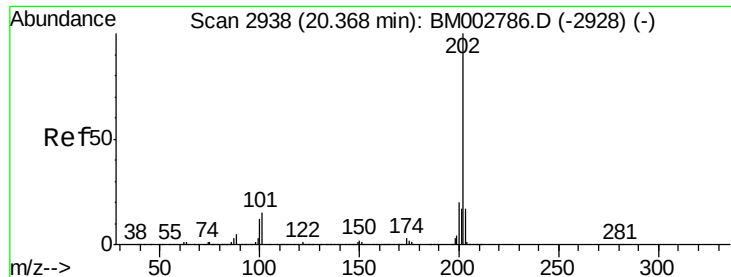


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pyrene

Concen: 19.24 ng/ul

RT: 20.37 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

Instrument :

BNA_M

ClientSampleId :

D9G65

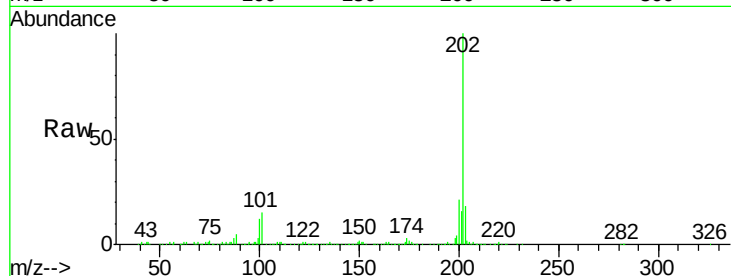
Tgt Ion:202 Resp: 316516

Ion Ratio Lower Upper

202 100

101 14.9 12.1 18.1

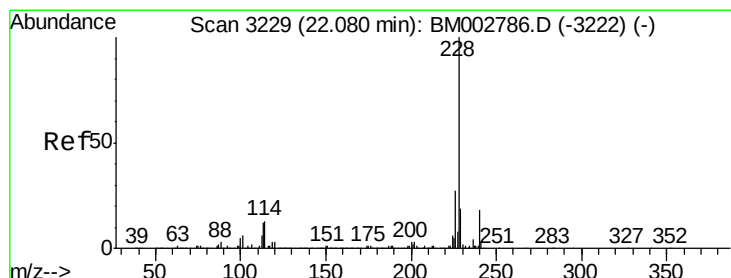
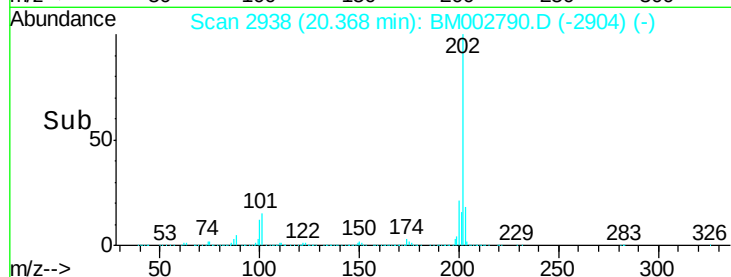
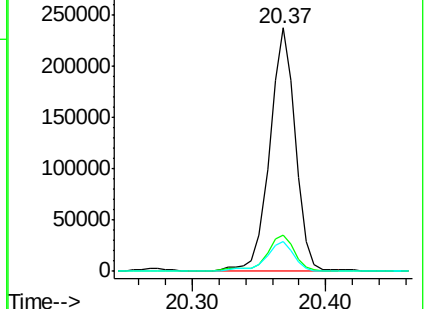
100 12.4 10.2 15.4



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: 13.62 ng/ul

RT: 22.08 min Scan# 3229

Delta R.T. -0.00 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

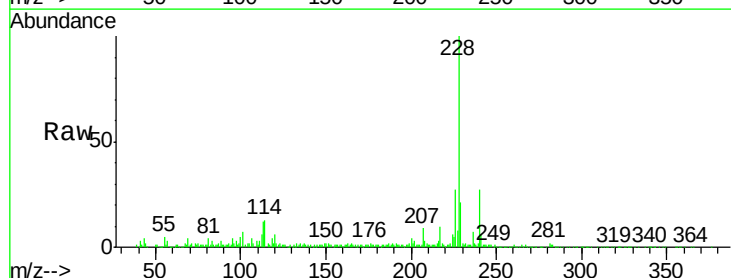
Tgt Ion:228 Resp: 209608

Ion Ratio Lower Upper

228 100

229 21.0 16.1 24.1

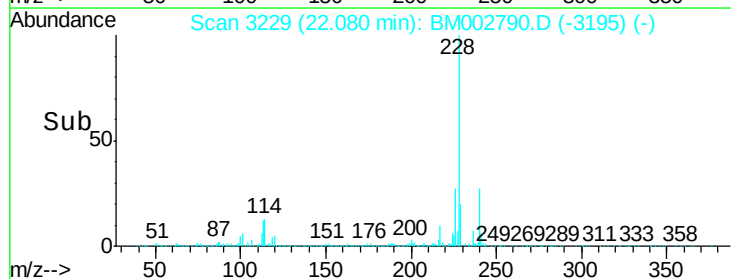
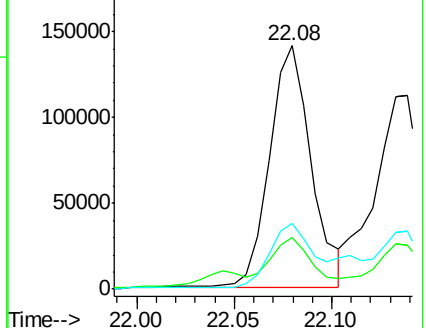
226 27.2 20.9 31.3

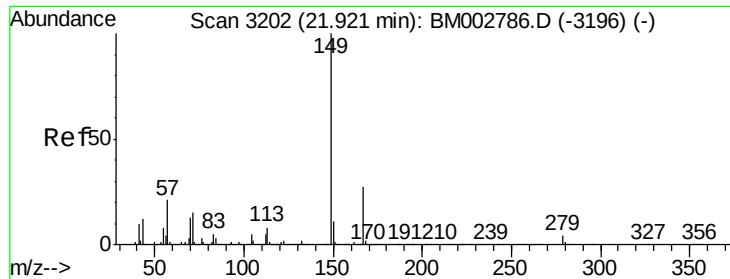


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

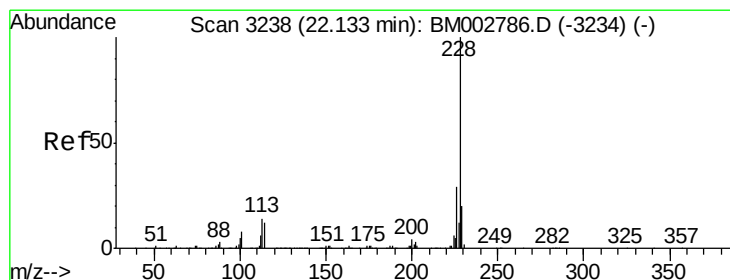
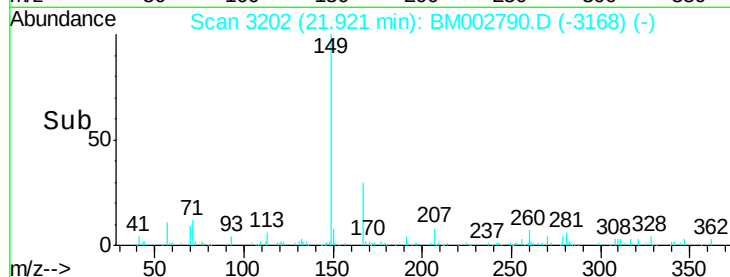
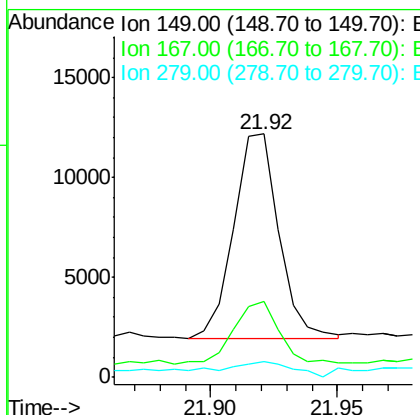
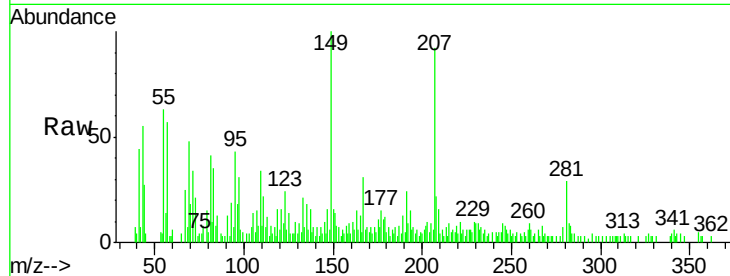




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.14 ng/ul
 RT: 21.92 min Scan# 3202
 Delta R.T. -0.00 min
 Lab File: BM002790.D
 Acq: 30 Sep 2015 20:10

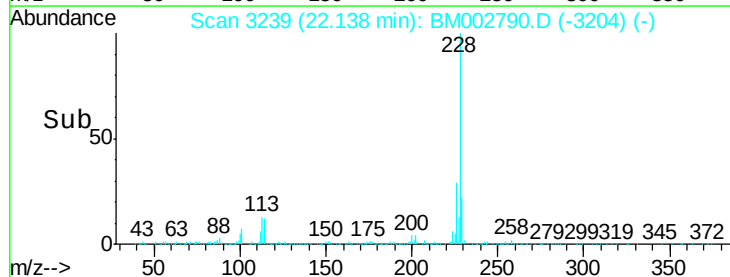
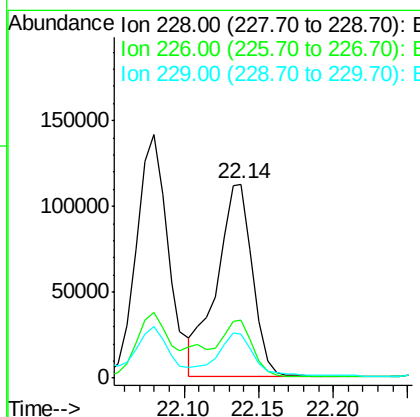
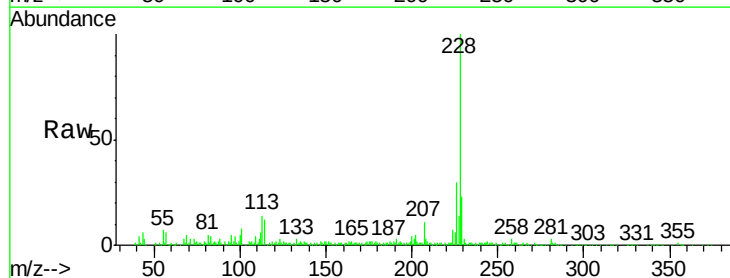
Instrument :
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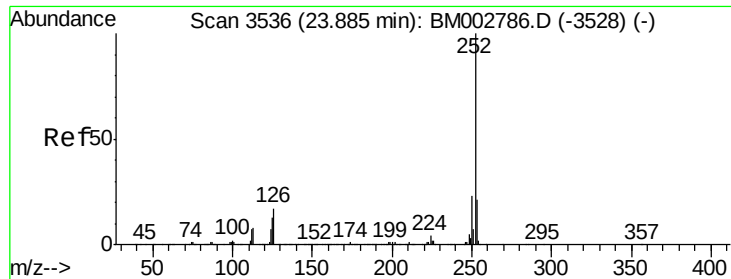
Tgt Ion:149 Resp: 12666
 Ion Ratio Lower Upper
 149 100
 167 31.1 21.7 32.5
 279 6.5 3.0 4.6#



#85
 Chrysene
 Concen: 13.00 ng/ul
 RT: 22.14 min Scan# 3239
 Delta R.T. 0.01 min
 Lab File: BM002790.D
 Acq: 30 Sep 2015 20:10

Tgt Ion:228 Resp: 188810
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.4 33.6
 229 22.8 15.4 23.2





#88

Benzo(b)fluoranthene

Concen: 18.41 ng/ul

RT: 23.90 min Scan# 3538

Delta R.T. 0.01 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

Instrument :

BNA_M

ClientSampleId :

D9G65

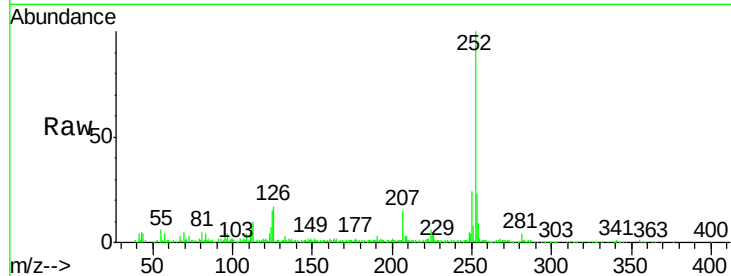
Tgt Ion:252 Resp: 302944

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

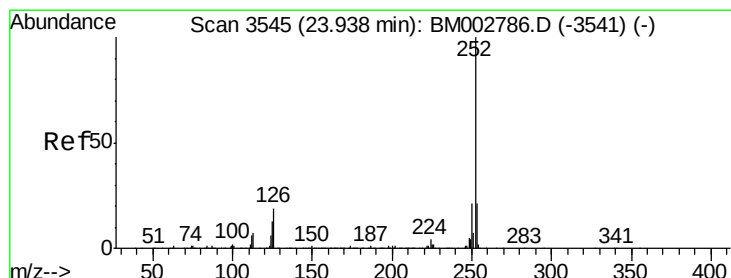
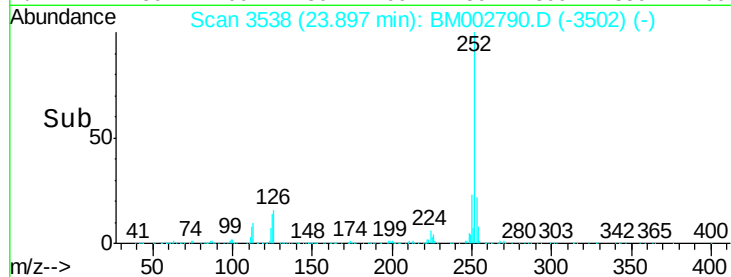
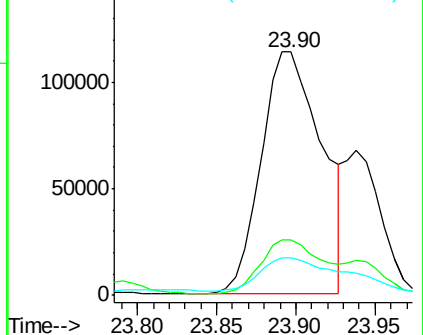
125 15.4 10.6 15.8



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: 5.10 ng/ul

RT: 23.90 min Scan# 3538

Delta R.T. -0.04 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

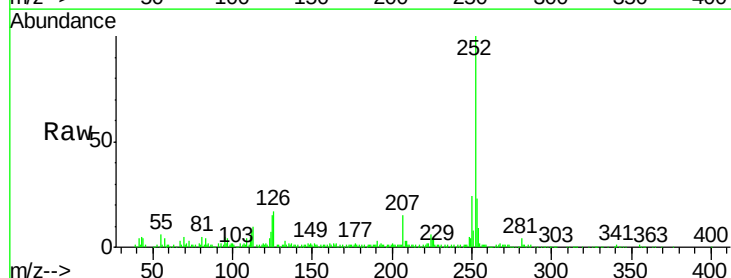
Tgt Ion:252 Resp: 79394

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

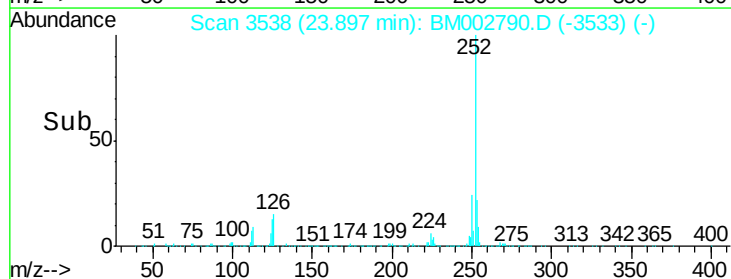
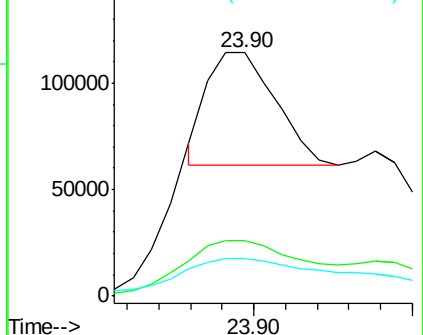
125 15.4 10.0 15.0#

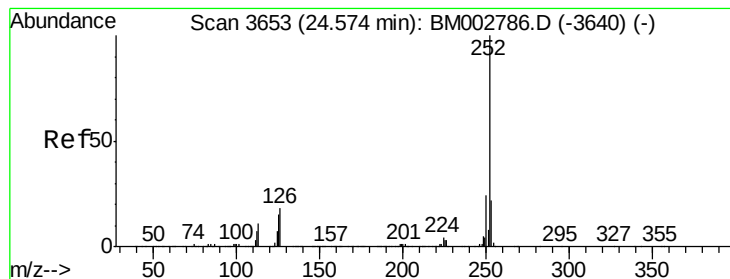


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 13.65 ng/ul

RT: 24.58 min Scan# 3654

Delta R.T. 0.01 min

Lab File: BM002790.D

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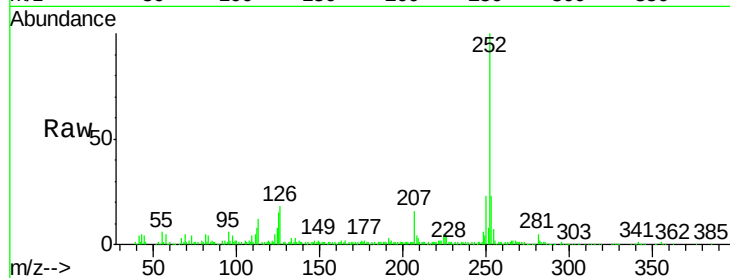
Tgt Ion:252 Resp: 215690

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

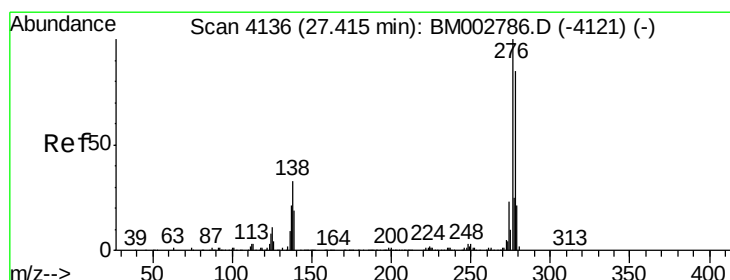
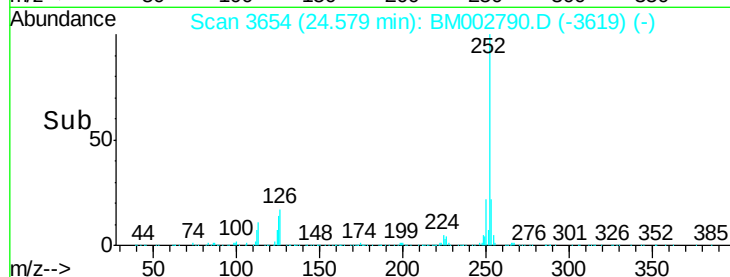
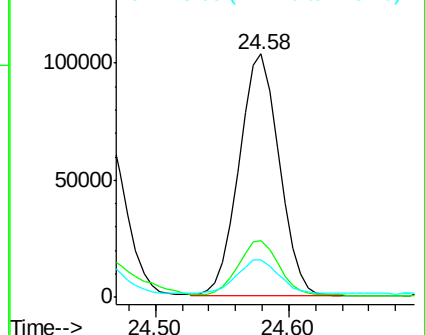
125 15.4 11.4 17.2



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: 8.85 ng/ul

RT: 27.42 min Scan# 4137

Delta R.T. 0.01 min

Lab File: BM002790.D

Acq: 30 Sep 2015 20:10

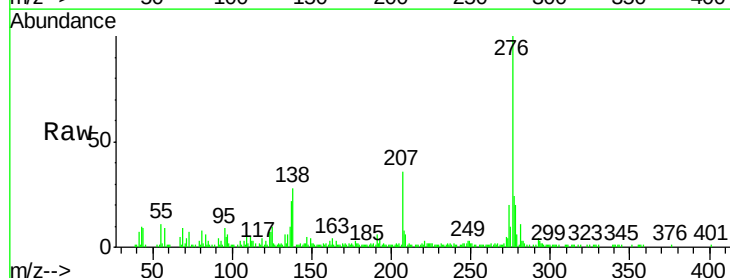
Tgt Ion:276 Resp: 163111

Ion Ratio Lower Upper

276 100

138 28.2 27.7 41.5

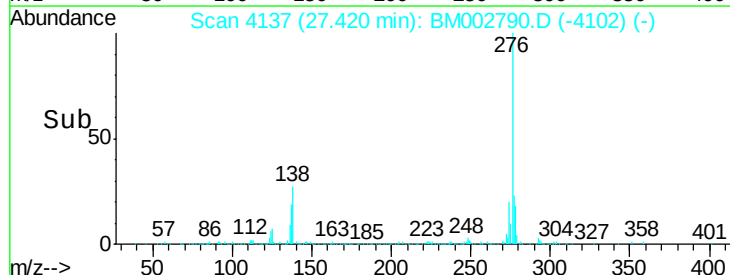
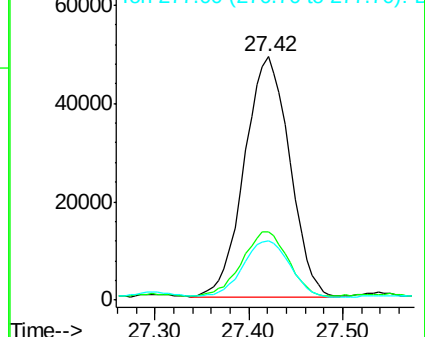
277 24.3 20.2 30.4

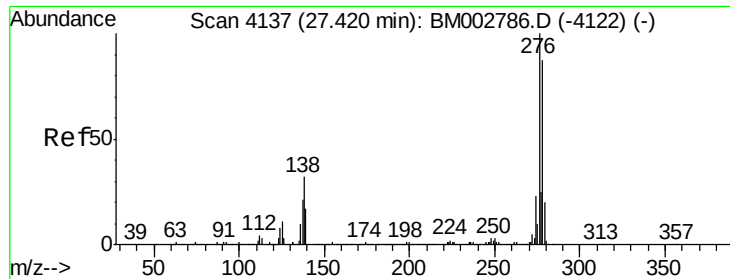


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

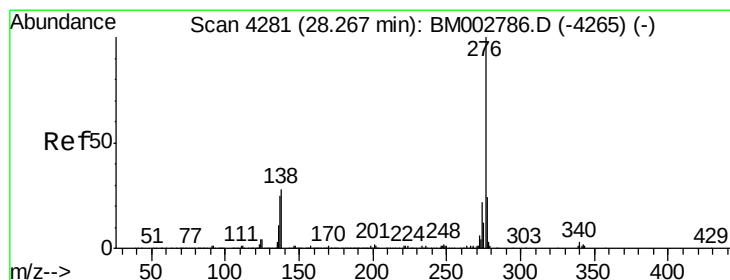
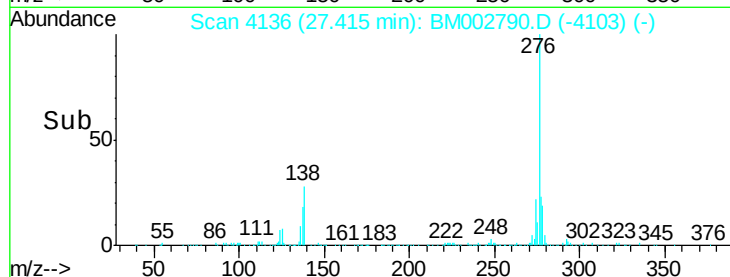
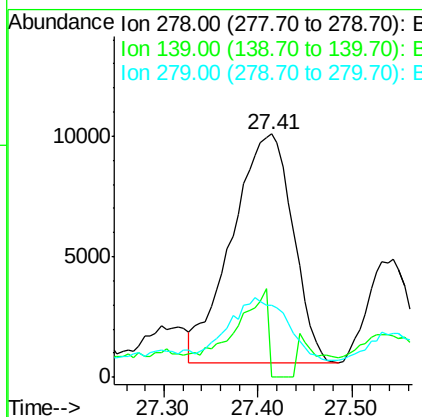
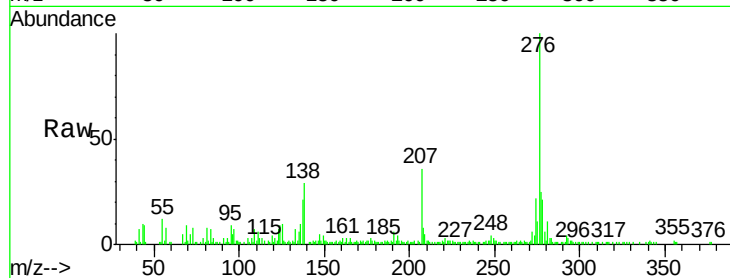




#93
Dibenzo(a,h)anthracene
Concen: 2.74 ng/ul
RT: 27.41 min Scan# 4136
Delta R.T. -0.01 min
Lab File: BM002790.D
Acq: 30 Sep 2015 20:10

Instrument :
BNA_M
ClientSampleId :
D9G65

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	17.0	25.6#
279	29.8	19.0	28.6#



#94
Benzo(g,h,i)perylene
Concen: 9.26 ng/ul
RT: 28.27 min Scan# 4282
Delta R.T. 0.01 min
Lab File: BM002790.D
Acq: 30 Sep 2015 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.5	21.8	32.8
277	26.1	18.9	28.3

