

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002798.D
 Acq On : 01 Oct 2015 01:01
 Operator : UM/IZ
 Sample : G3798-22
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G74

Quant Time: Oct 01 07:10:37 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	88524	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	364736	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	164441	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	293346	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	278548	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	305185	20.00	ng/ul	0.00

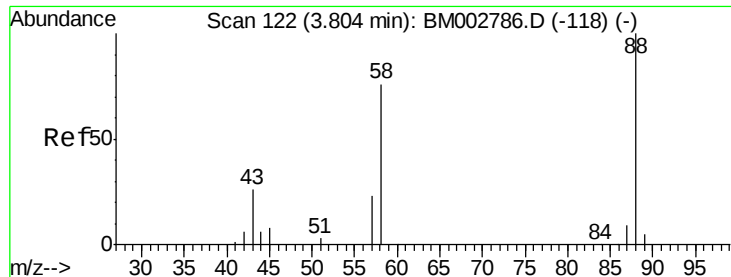
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	5840	3.06	ng/uL	0.00
5) Phenol-d5	7.82	99	122125	18.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	68676	18.20	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	112064	17.95	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	96716	17.49	ng/ul	0.00
19) Nitrobenzene-d5	9.90	128	51721	18.59	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	53971	18.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	88788	17.31	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	105720	17.12	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	245472	19.84	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	318025	19.26	ng/ul	0.00
52) 4-Nitrophenol-d4	15.47	143	29244	13.31	ng/ul	0.00
58) Fluorene-d10	16.27	176	200280	17.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	6004	4.20	ng/ul	0.00
71) Anthracene-d10	18.11	188	268050	19.15	ng/ul	0.00
79) Pyrene-d10	20.34	212	254745	19.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	300394	19.24	ng/ul	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.45	88	14051	6.67	ng/uL#	1
45) Dimethylphthalate	14.72	163	157513	12.52	ng/ul	99
50) Acenaphthene	15.36	153	27166	2.36	ng/ul	98
54) Dibenzofuran	15.69	168	22473	1.44	ng/ul	98
59) Fluorene	16.33	166	35118	2.75	ng/ul	95
70) Phenanthrene	18.06	178	938940	55.33	ng/ul	100
72) Anthracene	18.14	178	106503	6.17	ng/ul	99
75) Carbazole	18.40	167	103528	6.86	ng/ul	99
76) Di-n-butylphthalate	18.89	149	19615	1.02	ng/ul#	94
77) Fluoranthene	20.02	202	1748566	99.80	ng/ul	100
80) Pyrene	20.37	202	1331109	75.23	ng/ul	99
83) Benzo(a)anthracene	22.08	228	583444	35.24	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	21.92	149	52124	4.36	ng/ul	98
85) Chrysene	22.14	228	689694	44.16	ng/ul	96
88) Benzo(b)fluoranthene	23.90	252	948482	51.73	ng/ul	99
89) Benzo(k)fluoranthene	23.90	252	233631	13.46	ng/ul	97
91) Benzo(a)pyrene	24.59	252	594771	33.77	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	27.43	276	473309	23.04	ng/ul#	92
93) Dibenzo(a,h)anthracene	27.43	278	113950	6.57	ng/ul#	78
94) Benzo(g,h,i)perylene	28.29	276	429986	24.86	ng/ul	97

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



#2

1,4-Dioxane

Concen: 6.67 ng/uL

RT: 3.45 min Scan# 62

Delta R.T. -0.35 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

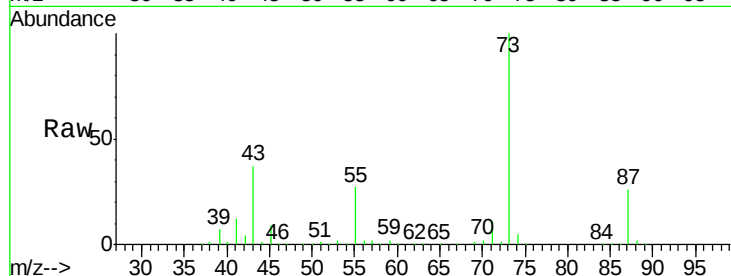
Tgt Ion: 88 Resp: 14051

Ion Ratio Lower Upper

88 100

43 2356.5 26.2 39.4#

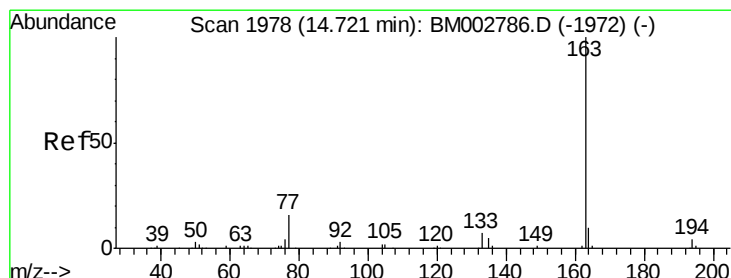
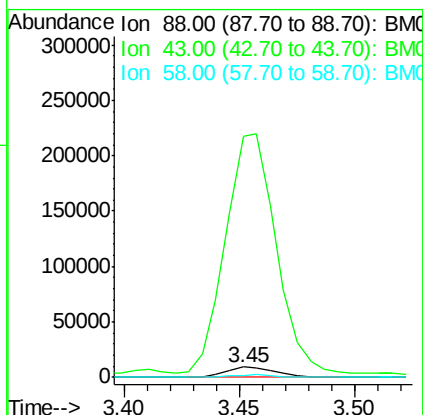
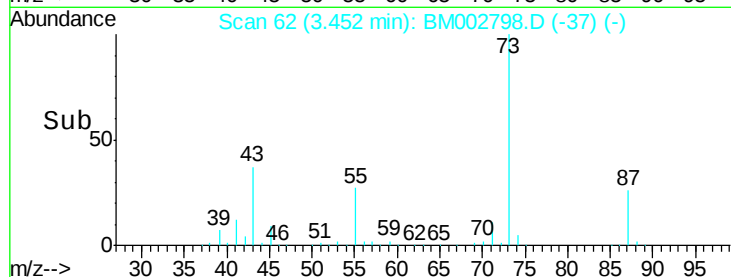
58 22.7 58.5 87.7#



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: 12.52 ng/uL

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

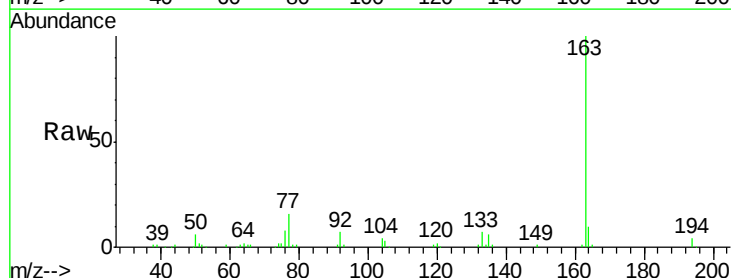
Tgt Ion: 163 Resp: 157513

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

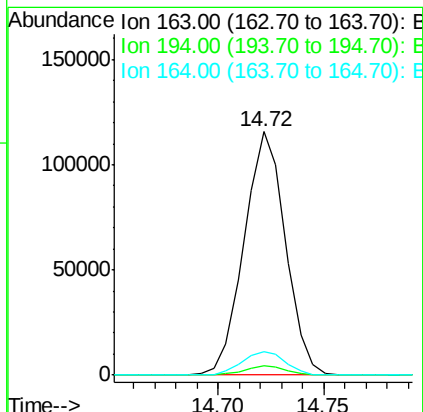
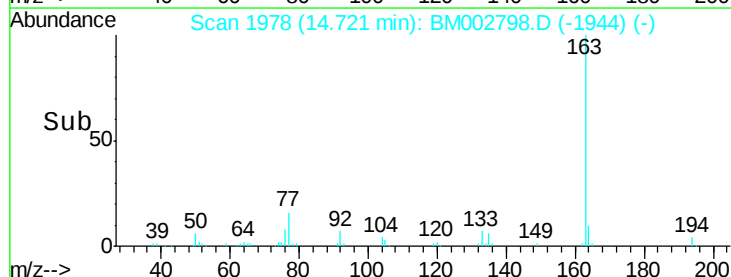
164 9.6 8.1 12.1

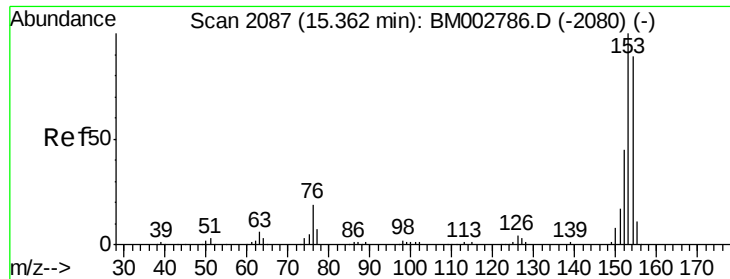


Abundance Ion 163.00 (162.70 to 163.70): BM002786.D (-1972) (-)

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

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





#50

Acenaphthene

Concen: 2.36 ng/ul

RT: 15.36 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

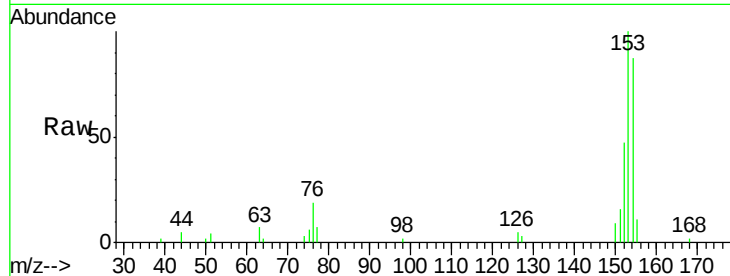
Tgt Ion:153 Resp: 27166

Ion Ratio Lower Upper

153 100

152 46.8 37.2 55.8

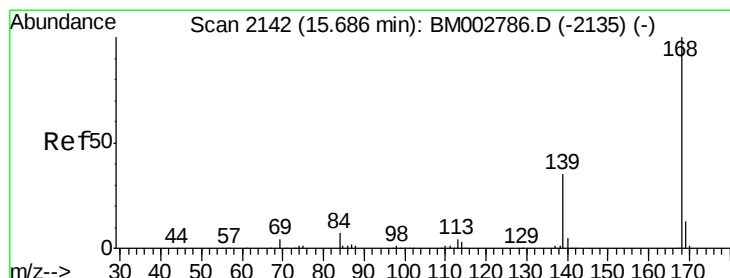
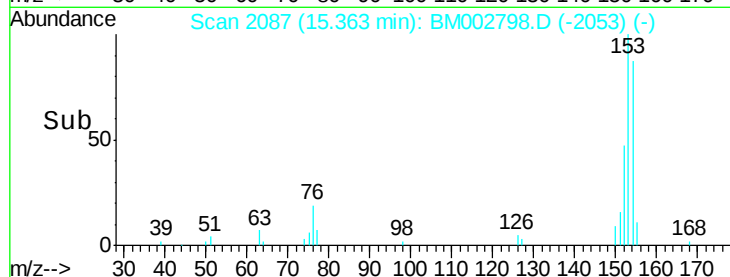
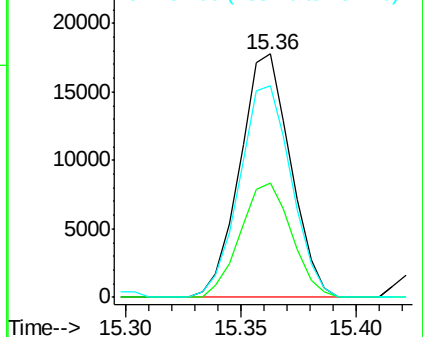
154 87.0 71.9 107.9



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.44 ng/ul

RT: 15.69 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BM002798.D

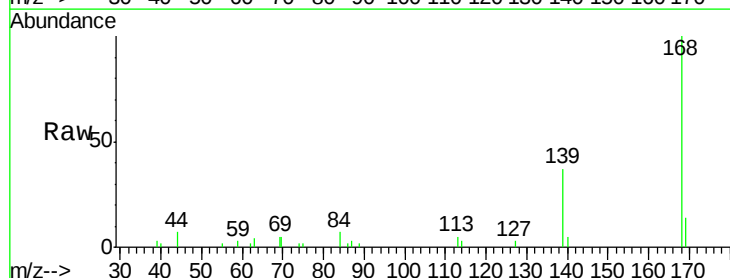
Acq: 01 Oct 2015 01:01

Tgt Ion:168 Resp: 22473

Ion Ratio Lower Upper

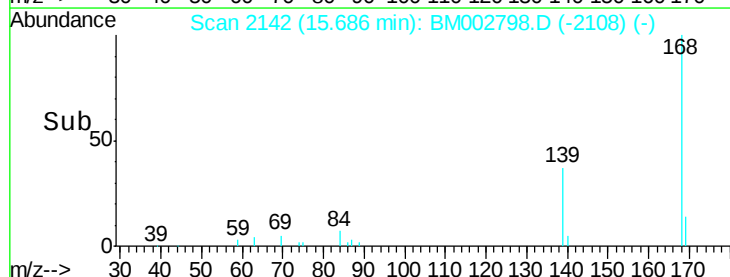
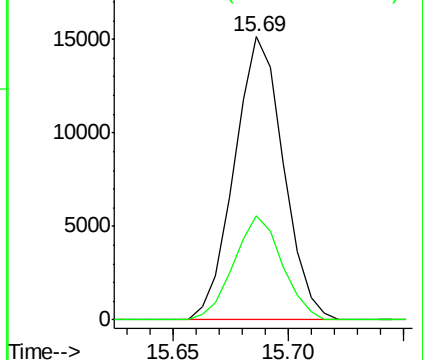
168 100

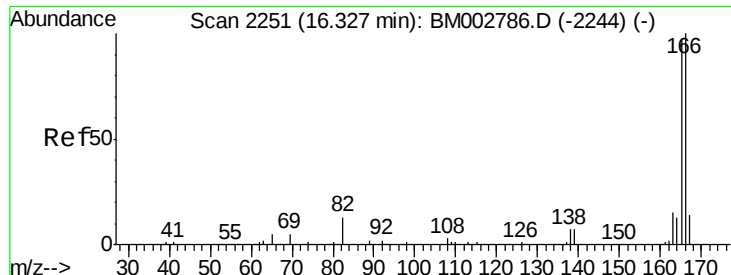
139 37.0 28.7 43.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.75 ng/ul

RT: 16.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

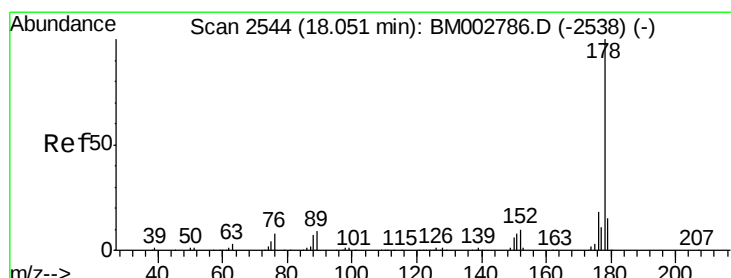
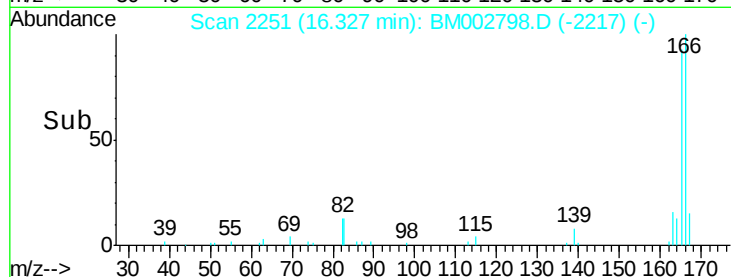
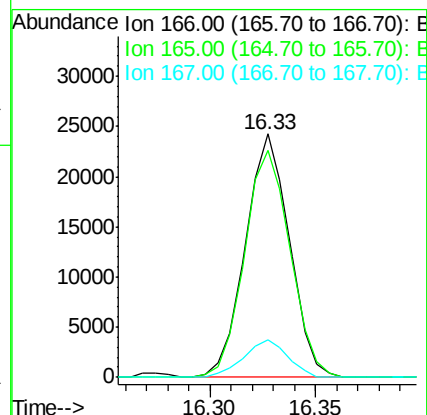
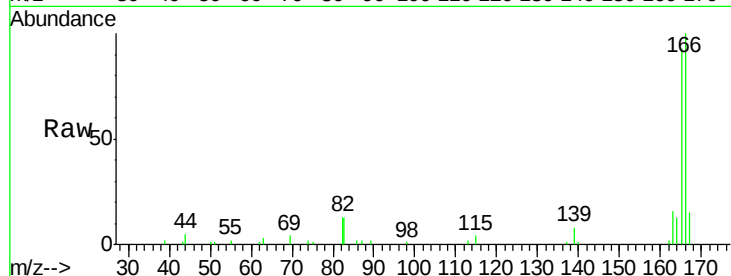
Tgt Ion:166 Resp: 35118

Ion Ratio Lower Upper

166 100

165 93.1 78.0 117.0

167 15.3 10.6 16.0



#70

Phenanthrene

Concen: 55.33 ng/ul

RT: 18.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

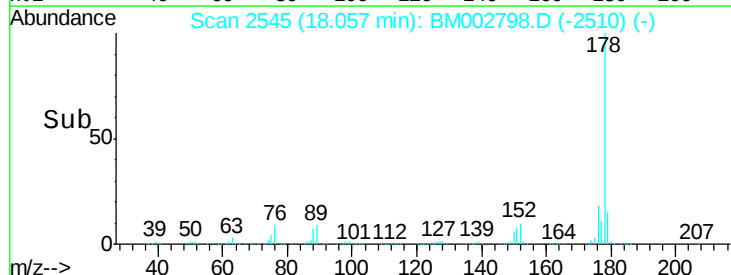
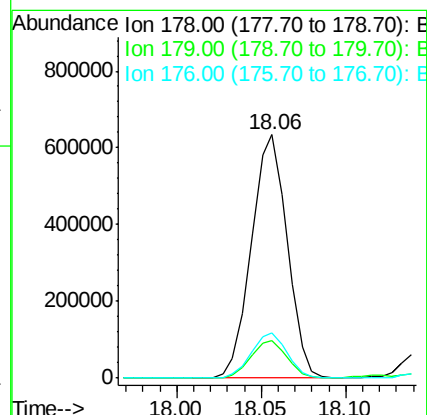
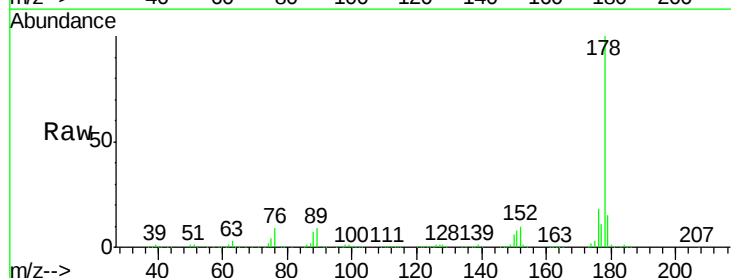
Tgt Ion:178 Resp: 938940

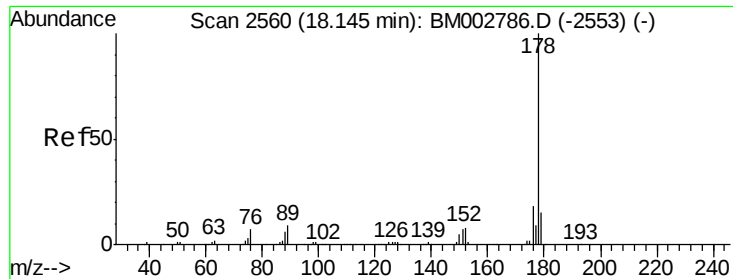
Ion Ratio Lower Upper

178 100

179 15.2 12.0 18.0

176 18.3 14.6 22.0





#72

Anthracene

Concen: 6.17 ng/ul

RT: 18.14 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

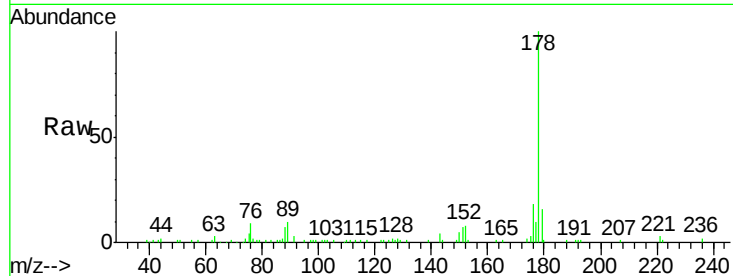
Tgt Ion:178 Resp: 106503

Ion Ratio Lower Upper

178 100

179 15.6 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

800000

600000

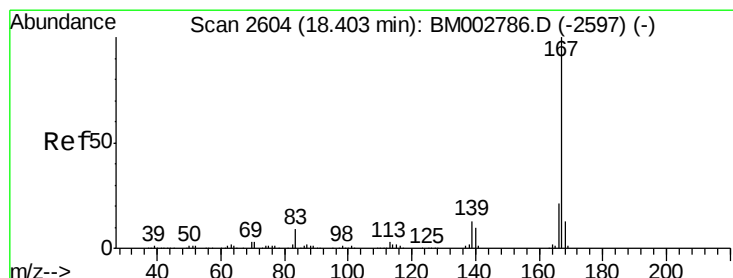
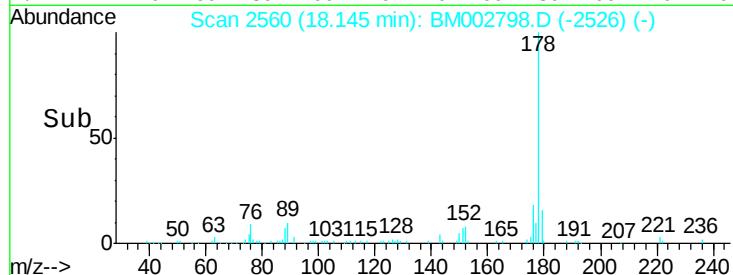
400000

200000

0

18.10 18.15 18.20

Time-->



#75

Carbazole

Concen: 6.86 ng/ul

RT: 18.40 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

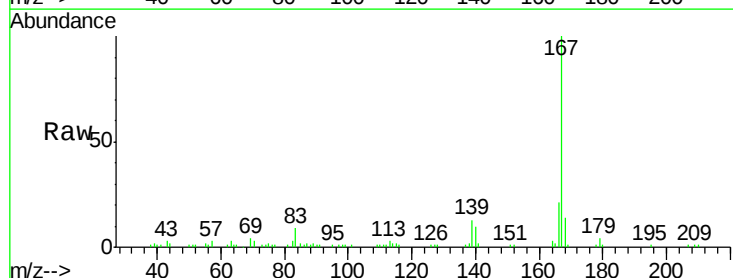
Tgt Ion:167 Resp: 103528

Ion Ratio Lower Upper

167 100

166 21.2 16.8 25.2

139 13.1 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

80000

60000

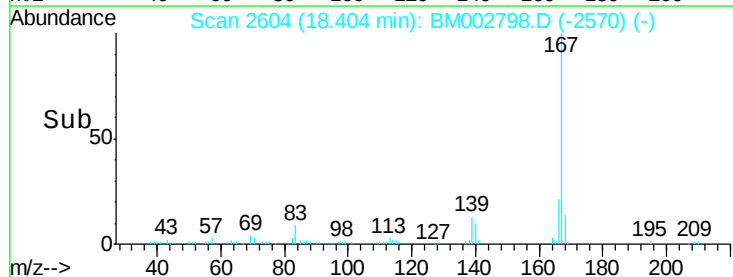
40000

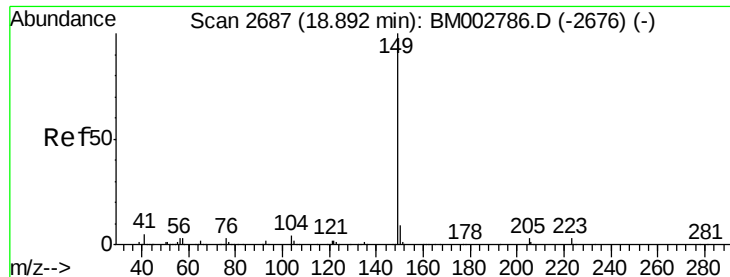
20000

0

18.35 18.40 18.45

Time-->

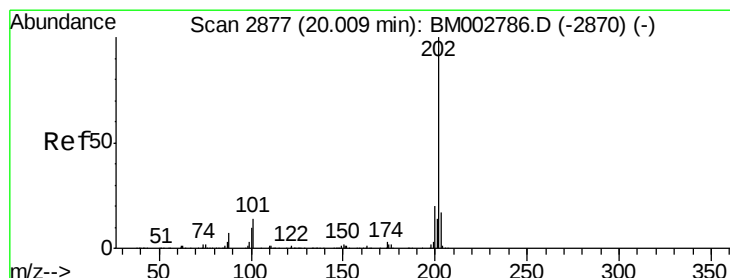
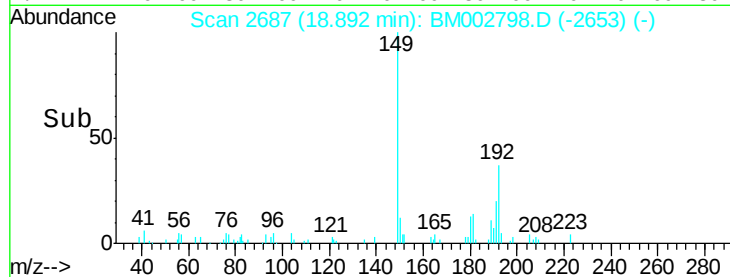
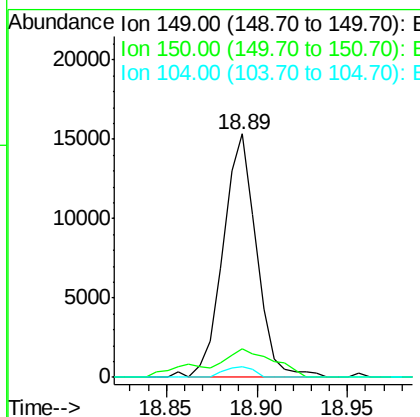
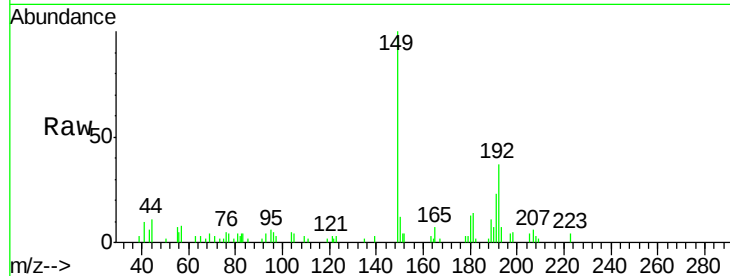




#76
Di-n-butylphthalate
Concen: 1.02 ng/ul
RT: 18.89 min Scan# 2687
Delta R.T. 0.00 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

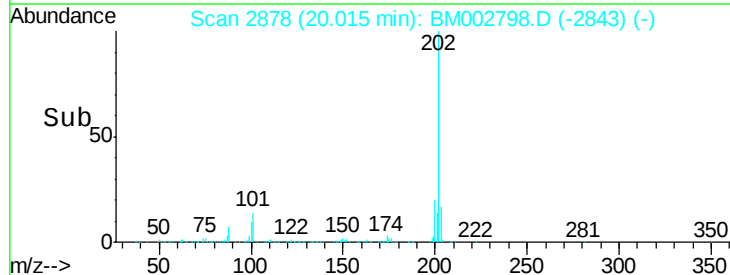
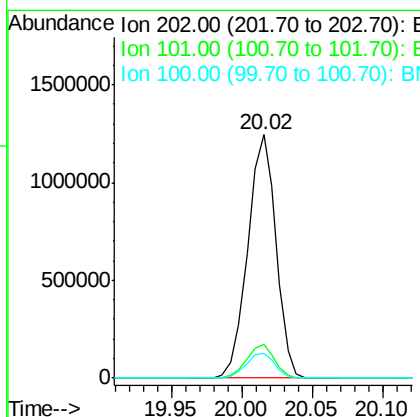
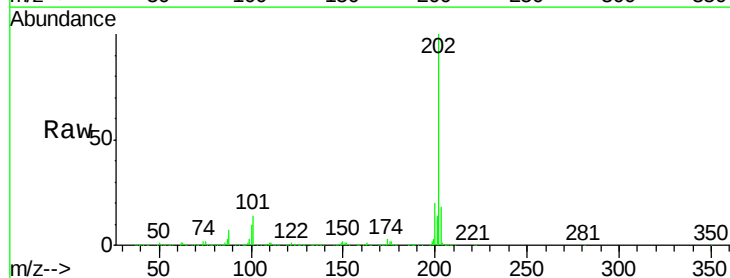
Instrument :
BNA_M
ClientSampleId :
D9G74

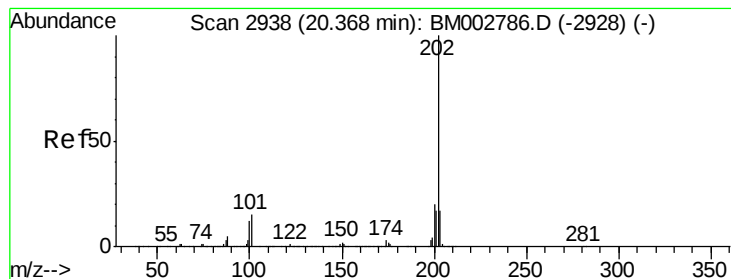
Tgt Ion:149 Resp: 19615
Ion Ratio Lower Upper
149 100
150 11.7 7.1 10.7#
104 4.6 3.3 4.9



#77
Fluoranthene
Concen: 99.80 ng/ul
RT: 20.02 min Scan# 2878
Delta R.T. 0.01 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Tgt Ion:202 Resp: 1748566
Ion Ratio Lower Upper
202 100
101 13.6 11.0 16.4
100 10.3 8.3 12.5





#80

Pyrene

Concen: 75.23 ng/ul

RT: 20.37 min Scan# 2939

Delta R.T. 0.01 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

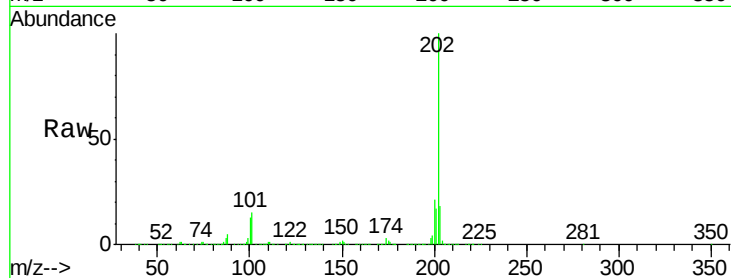
Tgt Ion:202 Resp: 1331109

Ion Ratio Lower Upper

202 100

101 15.4 12.1 18.1

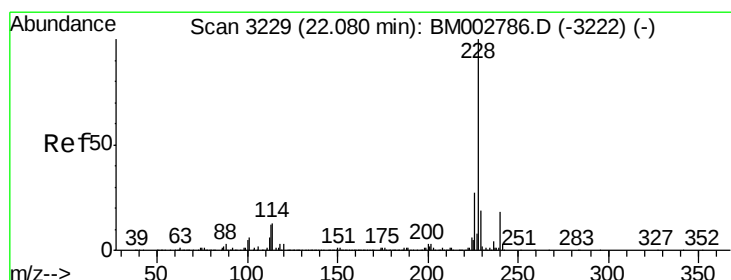
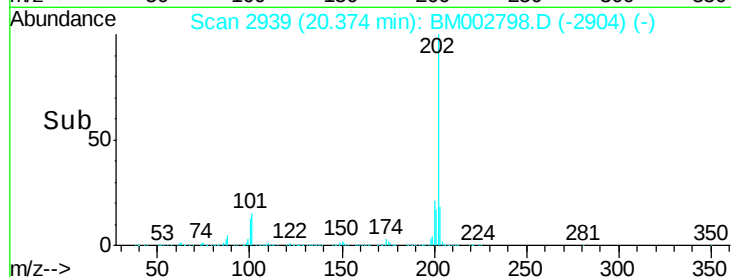
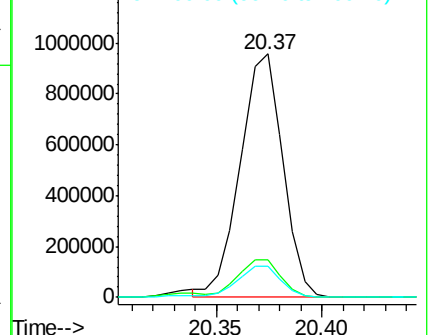
100 12.5 10.2 15.4



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: 35.24 ng/ul

RT: 22.08 min Scan# 3229

Delta R.T. 0.00 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

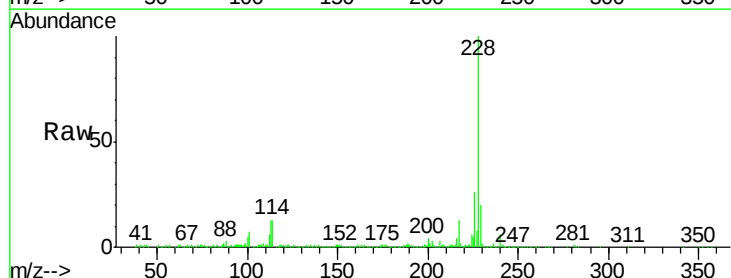
Tgt Ion:228 Resp: 583444

Ion Ratio Lower Upper

228 100

229 20.3 16.1 24.1

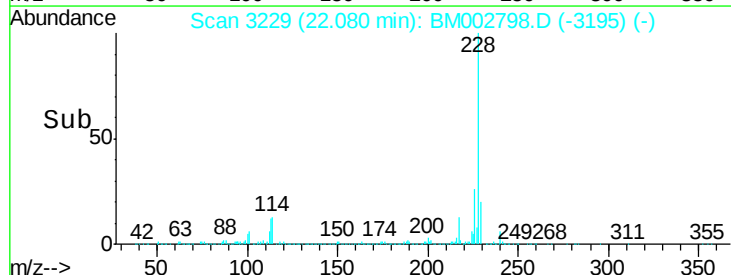
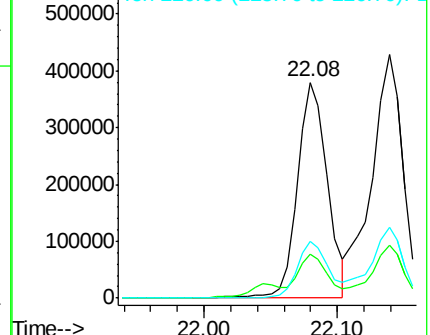
226 26.2 20.9 31.3

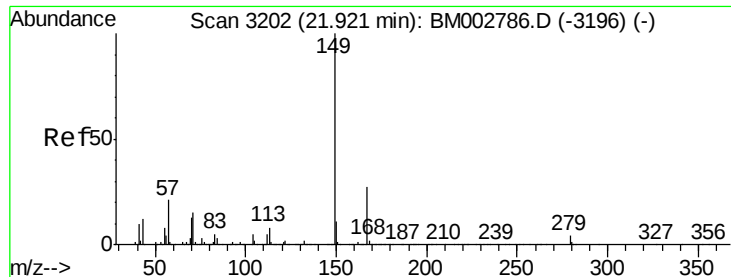


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

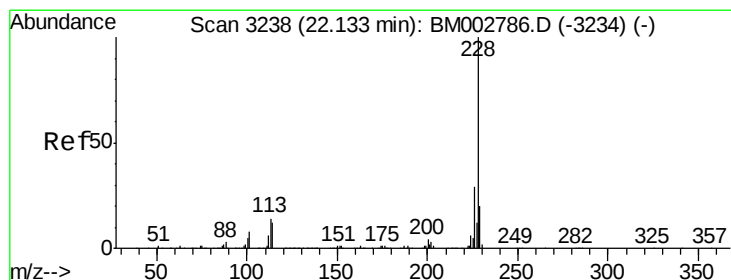
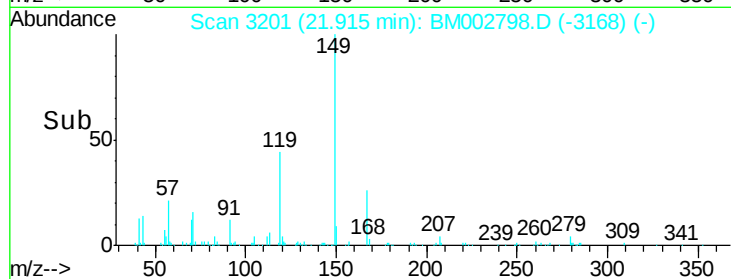
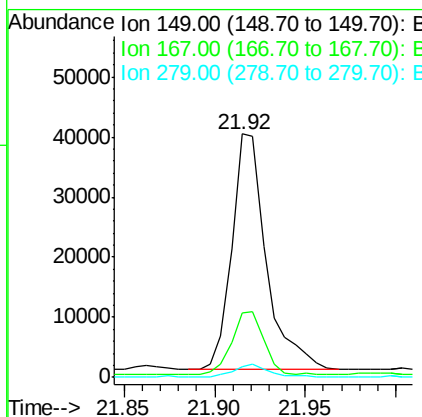
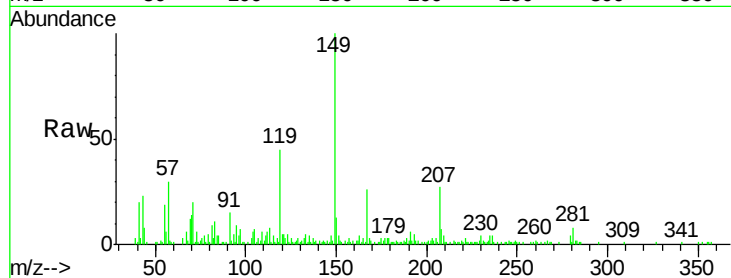




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.36 ng/ul
 RT: 21.92 min Scan# 3201
 Delta R.T. -0.01 min
 Lab File: BM002798.D
 Acq: 01 Oct 2015 01:01

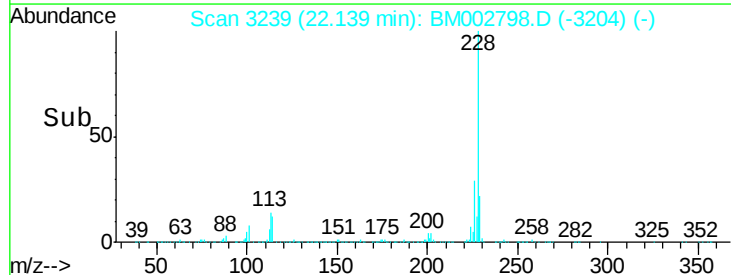
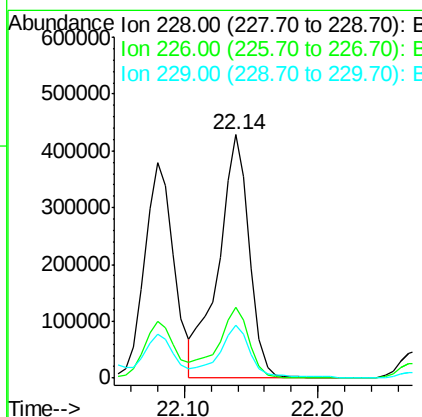
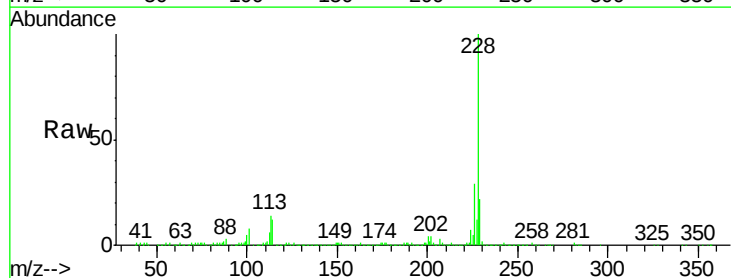
Instrument :
 BNA_M
 ClientSampleId :
 D9G74

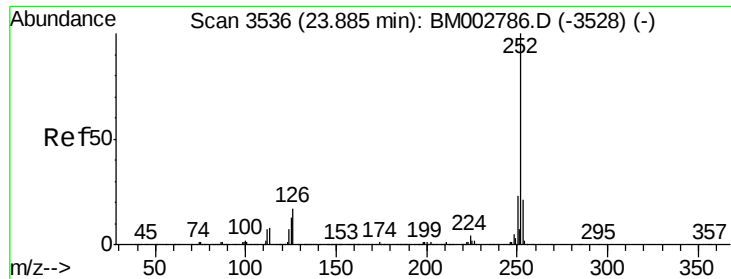
Tgt Ion:149 Resp: 52124
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.7 32.5
 279 4.4 3.0 4.6



#85
 Chrysene
 Concen: 44.16 ng/ul
 RT: 22.14 min Scan# 3239
 Delta R.T. 0.01 min
 Lab File: BM002798.D
 Acq: 01 Oct 2015 01:01

Tgt Ion:228 Resp: 689694
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.4 33.6
 229 22.0 15.4 23.2





#88

Benzo(b)fluoranthene

Concen: 51.73 ng/ul

RT: 23.90 min Scan# 3539

Delta R.T. 0.02 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

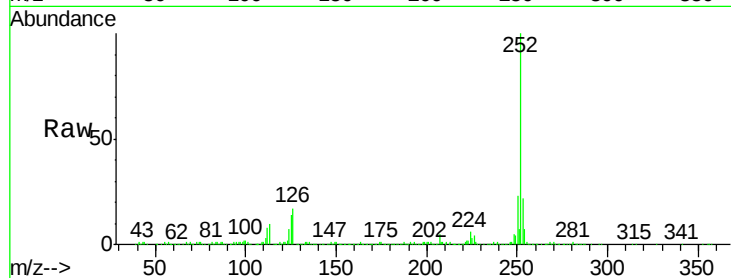
Tgt Ion:252 Resp: 948482

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

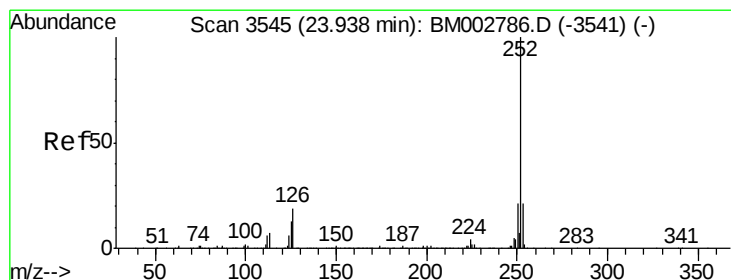
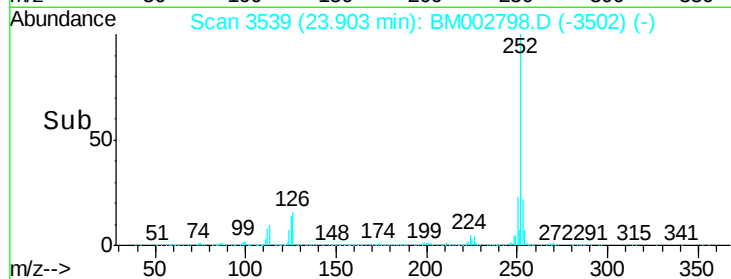
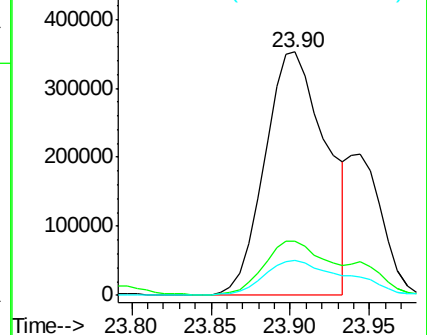
125 14.2 10.6 15.8



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: 13.46 ng/ul

RT: 23.90 min Scan# 3539

Delta R.T. -0.04 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

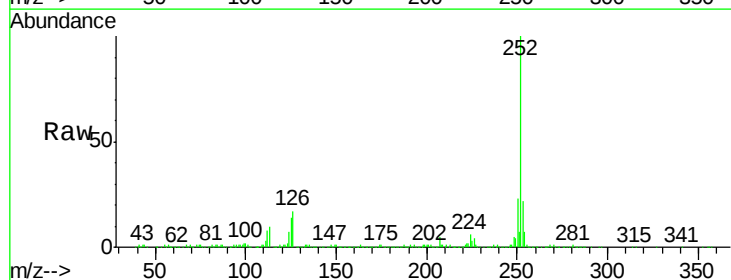
Tgt Ion:252 Resp: 233631

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

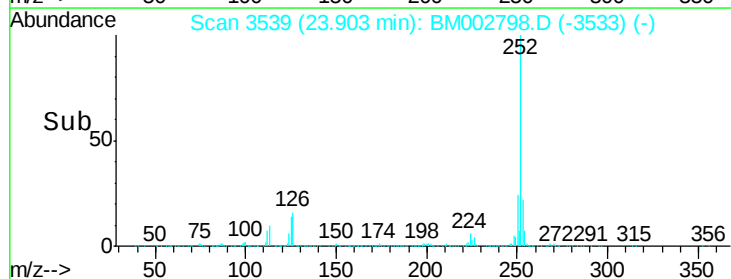
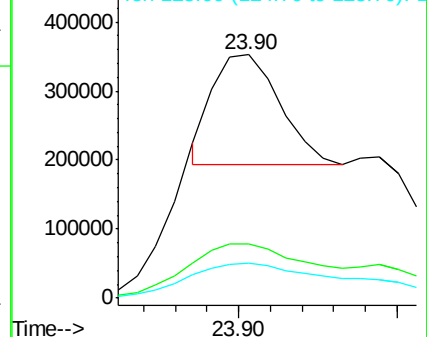
125 14.2 10.0 15.0

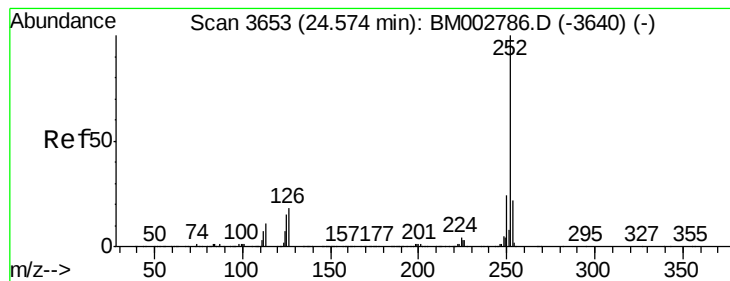


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 33.77 ng/ul

RT: 24.59 min Scan# 3655

Delta R.T. 0.01 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

Instrument :

BNA_M

ClientSampleId :

D9G74

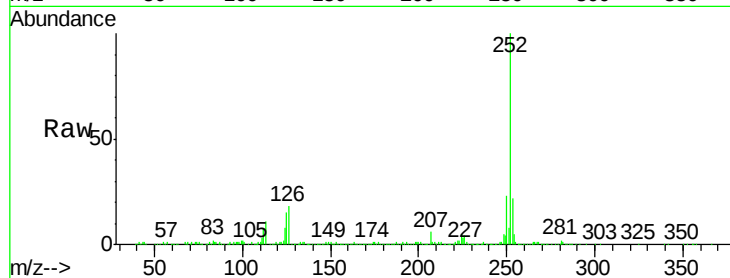
Tgt Ion:252 Resp: 594771

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

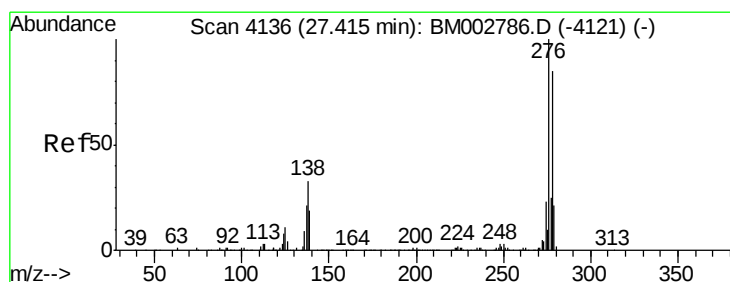
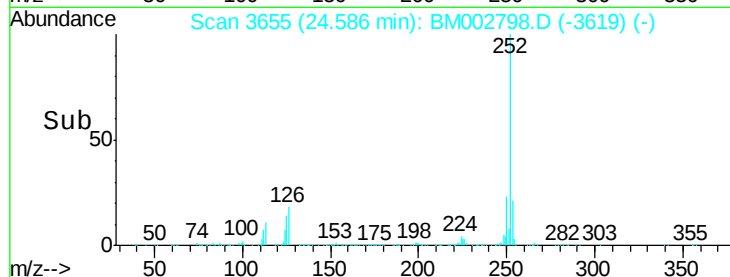
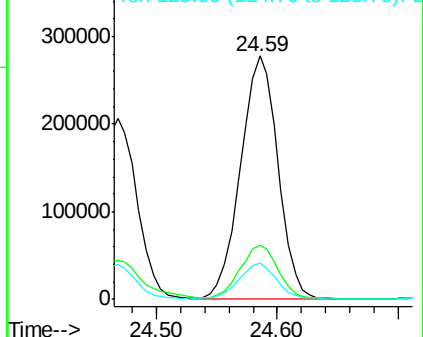
125 14.8 11.4 17.2



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: 23.04 ng/ul

RT: 27.43 min Scan# 4139

Delta R.T. 0.02 min

Lab File: BM002798.D

Acq: 01 Oct 2015 01:01

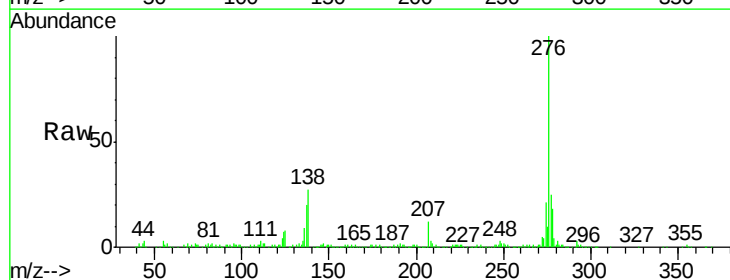
Tgt Ion:276 Resp: 473309

Ion Ratio Lower Upper

276 100

138 26.6 27.7 41.5#

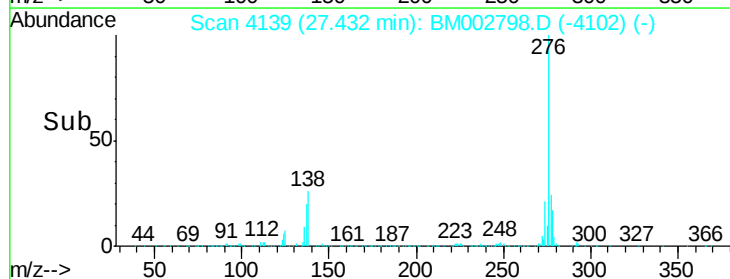
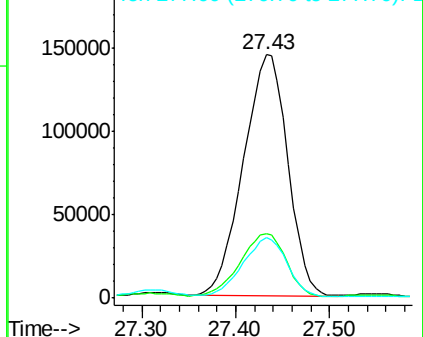
277 24.7 20.2 30.4

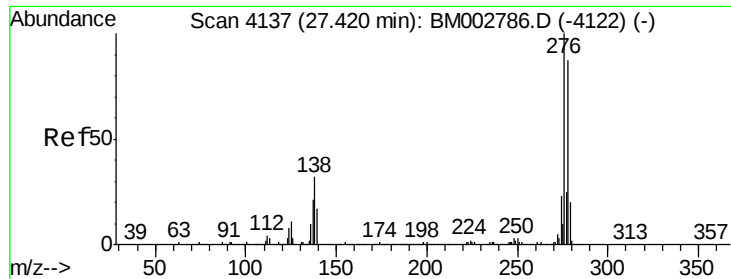


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

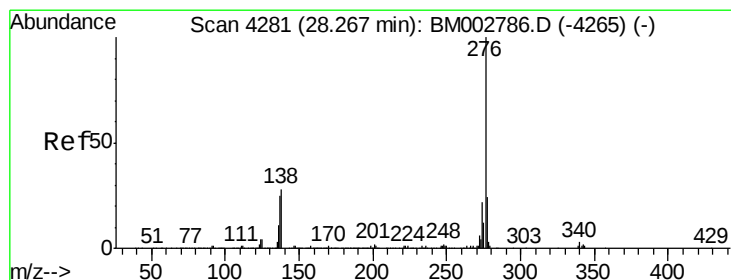
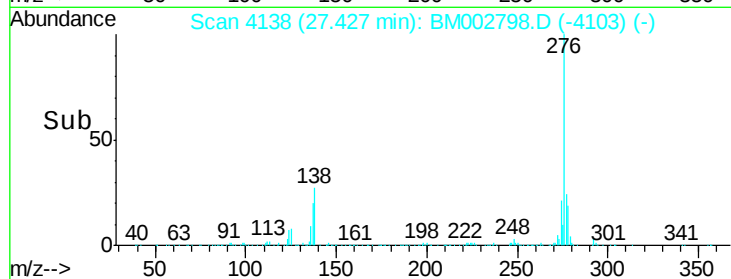
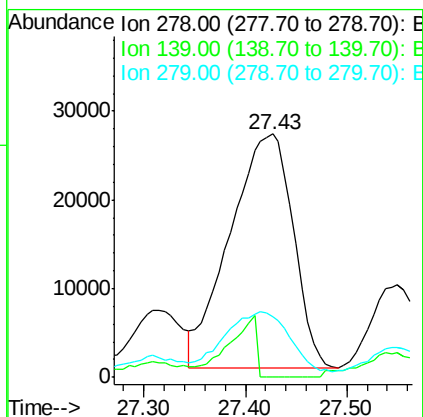
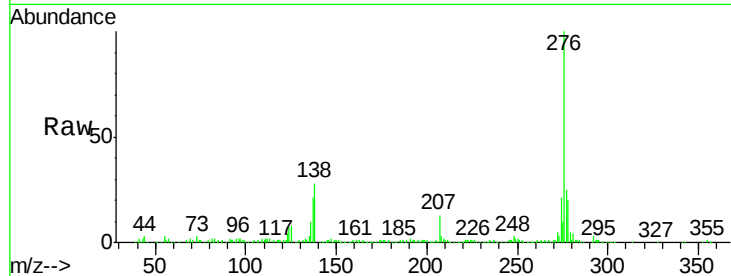




#93
Dibenzo(a,h)anthracene
Concen: 6.57 ng/ul
RT: 27.43 min Scan# 4138
Delta R.T. 0.01 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Instrument :
BNA_M
ClientSampleId :
D9G74

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	17.0	25.6#
279	24.7	19.0	28.6



#94
Benzo(g,h,i)perylene
Concen: 24.86 ng/ul
RT: 28.29 min Scan# 4284
Delta R.T. 0.02 min
Lab File: BM002798.D
Acq: 01 Oct 2015 01:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	21.8	32.8
277	24.4	18.9	28.3

