

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002800.D
 Acq On : 01 Oct 2015 02:14
 Operator : UM/IZ
 Sample : G3798-24
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G76

Quant Time: Oct 01 07:11:23 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	79890	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	320727	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	148434	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	281524	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	285083	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	305876	20.00	ng/ul	0.00

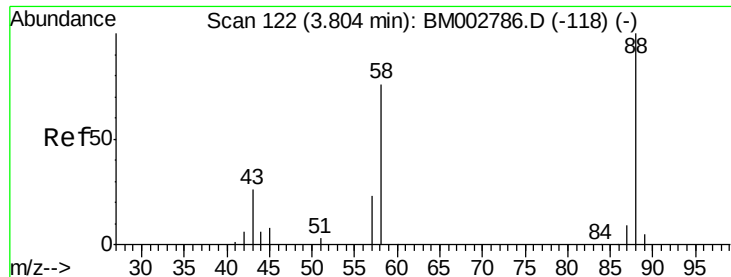
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.78	96	2723	1.58	ng/uL	0.01
5) Phenol-d5	7.82	99	56230	9.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	31495	9.25	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	52441	9.31	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	43421	8.70	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	23327	9.54	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	23375	9.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	38693	8.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	47090	8.67	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	117706	10.54	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	148425	9.96	ng/ul	0.00
52) 4-Nitrophenol-d4	15.48	143	12760	6.43	ng/ul	0.00
58) Fluorene-d10	16.27	176	99728	9.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	1363	0.99	ng/ul	0.00
71) Anthracene-d10	18.11	188	143250	10.66	ng/ul	0.00
79) Pyrene-d10	20.34	212	142432	10.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	168904	10.79	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.46	88	11126	5.85	ng/uL#	1
45) Dimethylphthalate	14.72	163	83430	7.35	ng/ul	100
50) Acenaphthene	15.36	153	22533	2.17	ng/ul	97
54) Dibenzofuran	15.69	168	18646	1.33	ng/ul	97
59) Fluorene	16.33	166	33831	2.93	ng/ul	93
70) Phenanthrene	18.06	178	802749	49.29	ng/ul	100
72) Anthracene	18.14	178	139496	8.42	ng/ul	99
75) Carbazole	18.40	167	80461	5.56	ng/ul	98
77) Fluoranthene	20.02	202	1495720	88.95	ng/ul	99
80) Pyrene	20.37	202	1143508	63.15	ng/ul	98
81) Butylbenzylphthalate	21.17	149	8932	1.10	ng/ul	95
83) Benzo(a)anthracene	22.08	228	529404	31.24	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	21.92	149	22712	1.86	ng/ul#	98
85) Chrysene	22.14	228	577186	36.11	ng/ul	97
88) Benzo(b)fluoranthene	23.90	252	767641	41.77	ng/ul	98
89) Benzo(k)fluoranthene	23.90	252	245375	14.11	ng/ul	97
91) Benzo(a)pyrene	24.58	252	532294	30.16	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	27.43	276	410955	19.96	ng/ul#	91
93) Dibenzo(a,h)anthracene	27.41	278	97260	5.59	ng/ul#	76
94) Benzo(g,h,i)perylene	28.29	276	370837	21.39	ng/ul	98

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



#2

1,4-Dioxane

Concen: 5.85 ng/uL

RT: 3.46 min Scan# 63

Delta R.T. -0.35 min

Lab File: BM002800.D

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Instrument :

BNA_M

ClientSampleId :

D9G76

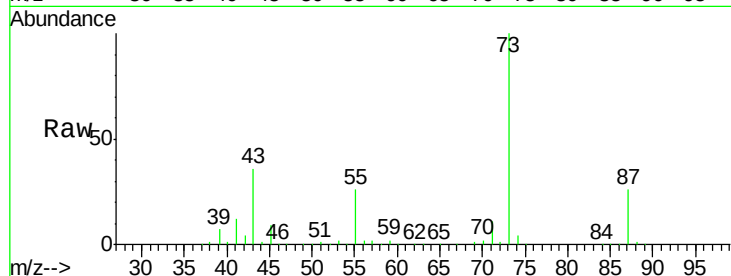
Tgt Ion: 88 Resp: 11126

Ion Ratio Lower Upper

88 100

43 2429.7 26.2 39.4#

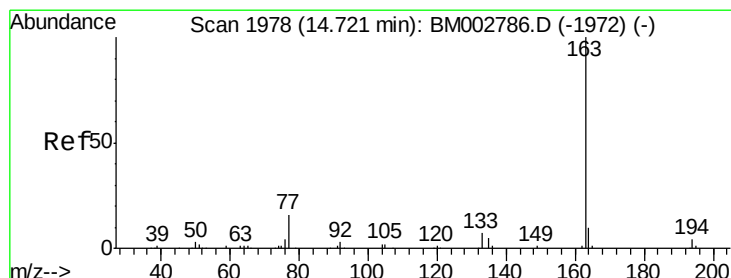
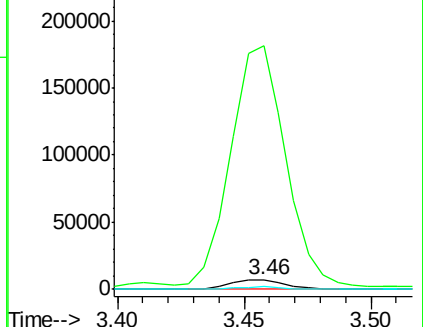
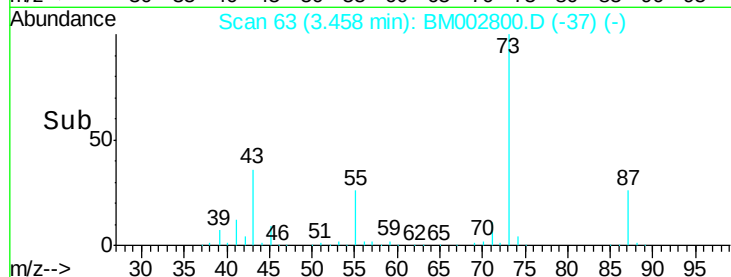
58 23.3 58.5 87.7#



Abundance Ion 88.00 (87.70 to 88.70): BM002800.D (-37) (-)

Ion 43.00 (42.70 to 43.70): BM002800.D (-37) (-)

Ion 58.00 (57.70 to 58.70): BM002800.D (-37) (-)



#45

Dimethylphthalate

Concen: 7.35 ng/uL

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

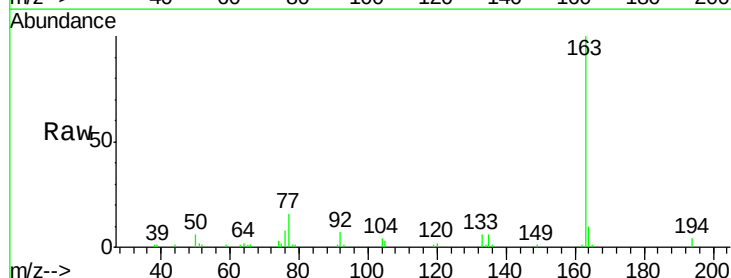
Tgt Ion: 163 Resp: 83430

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

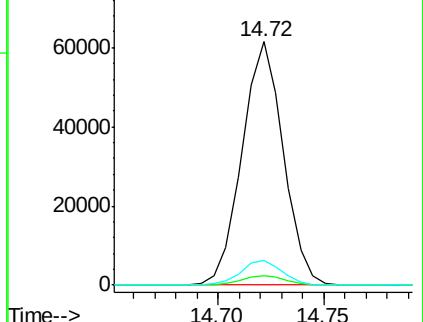
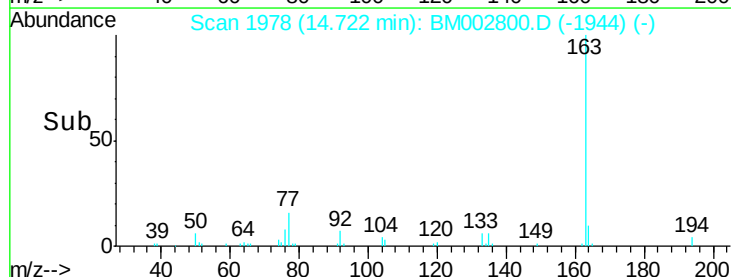
164 10.0 8.1 12.1

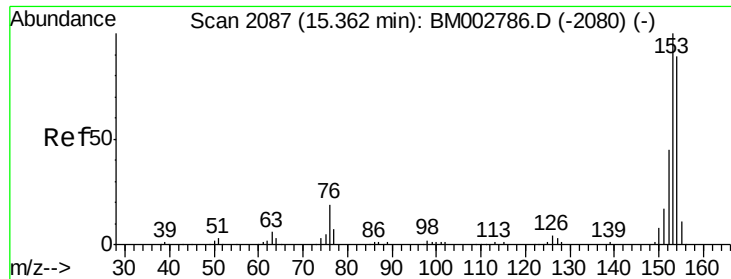


Abundance Ion 163.00 (162.70 to 163.70): BM002800.D (-1944) (-)

Ion 194.00 (193.70 to 194.70): BM002800.D (-1944) (-)

Ion 164.00 (163.70 to 164.70): BM002800.D (-1944) (-)





#50

Acenaphthene

Concen: 2.17 ng/ul

RT: 15.36 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

ClientSampleId :

D9G76

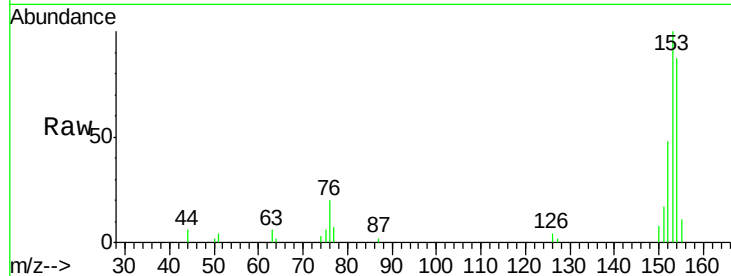
Tgt Ion:153 Resp: 22533

Ion Ratio Lower Upper

153 100

152 48.3 37.2 55.8

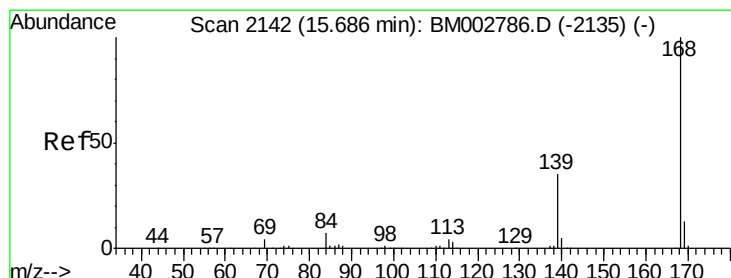
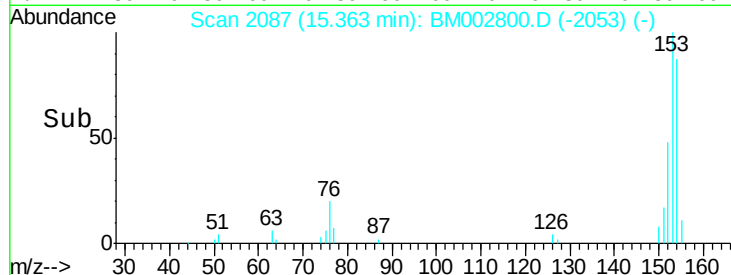
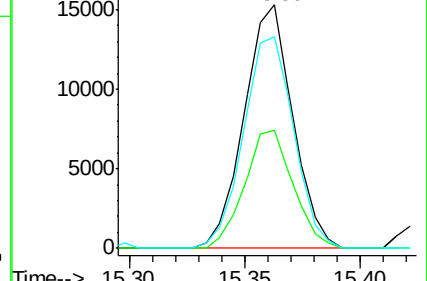
154 86.7 71.9 107.9



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: 1.33 ng/ul

RT: 15.69 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BM002800.D

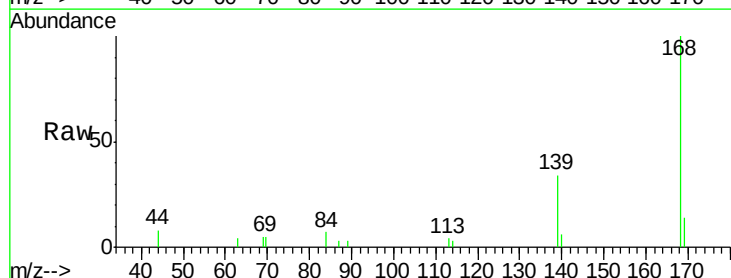
Acq: 01 Oct 2015 02:14

Tgt Ion:168 Resp: 18646

Ion Ratio Lower Upper

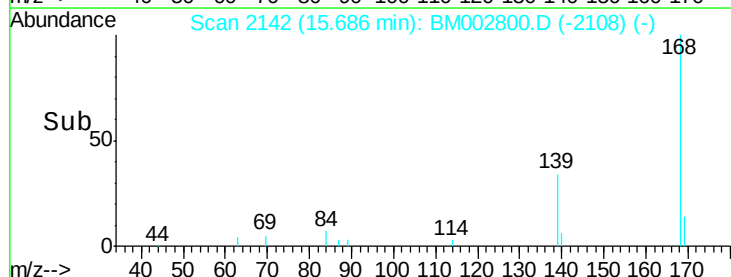
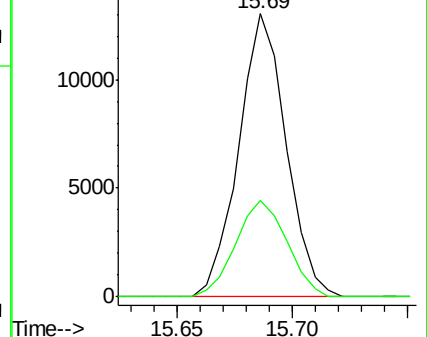
168 100

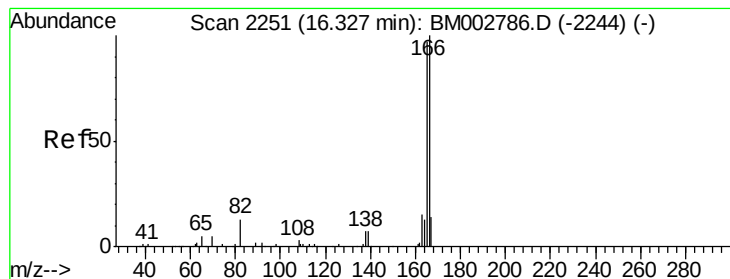
139 34.0 28.7 43.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.93 ng/ul

RT: 16.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

ClientSampleId :

D9G76

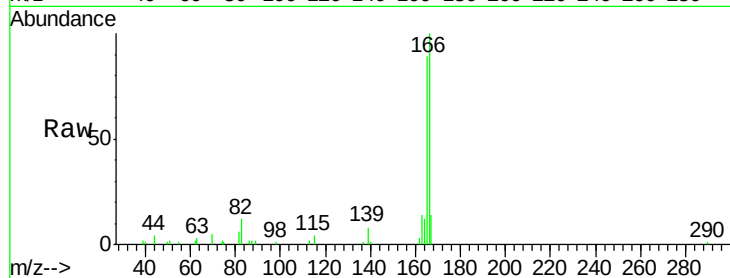
Tgt Ion:166 Resp: 33831

Ion Ratio Lower Upper

166 100

165 89.3 78.0 117.0

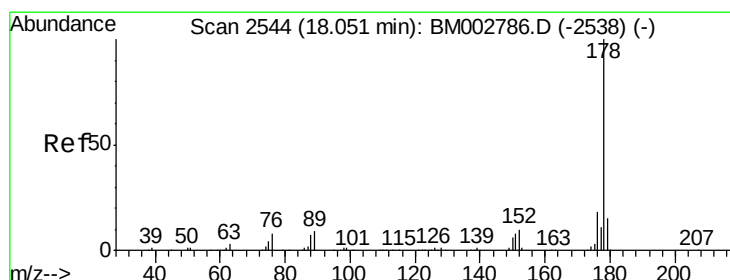
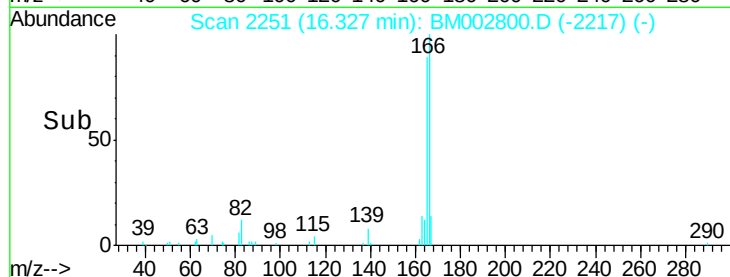
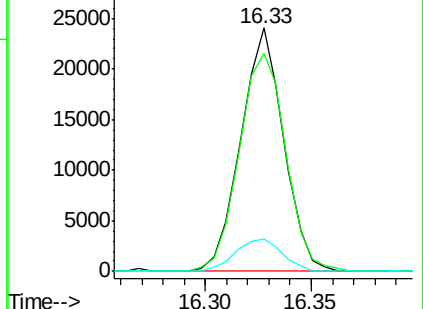
167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 49.29 ng/ul

RT: 18.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

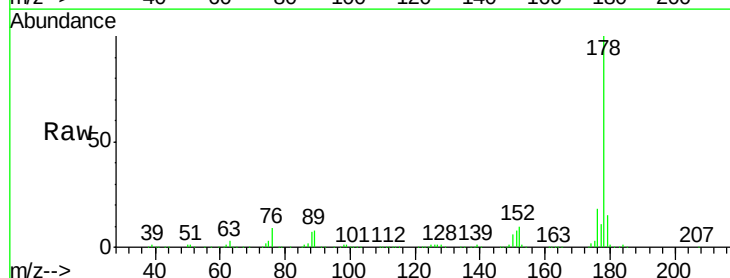
Tgt Ion:178 Resp: 802749

Ion Ratio Lower Upper

178 100

179 15.3 12.0 18.0

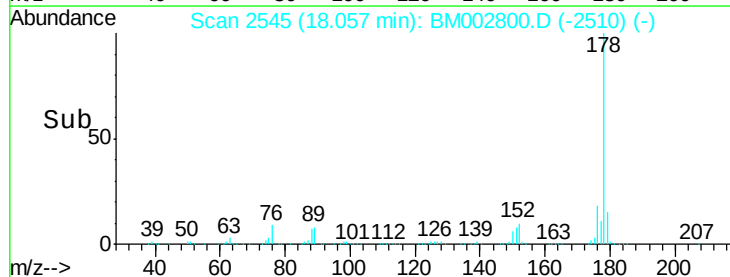
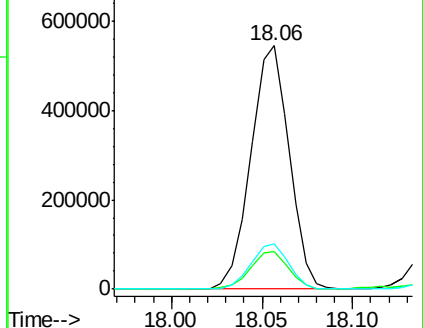
176 18.4 14.6 22.0

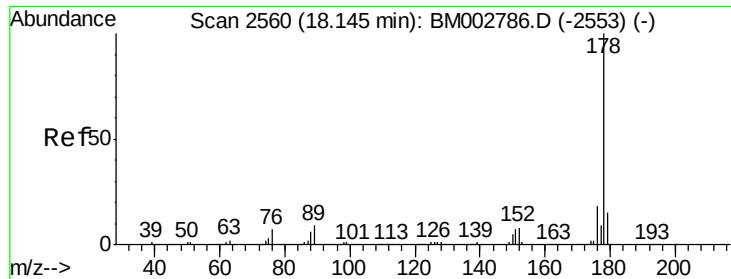


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 8.42 ng/ul

RT: 18.14 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

ClientSampleId :

D9G76

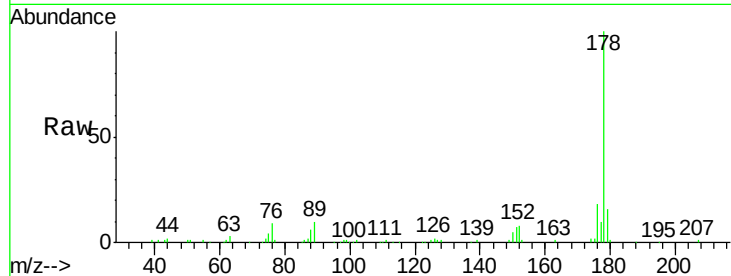
Tgt Ion:178 Resp: 139496

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

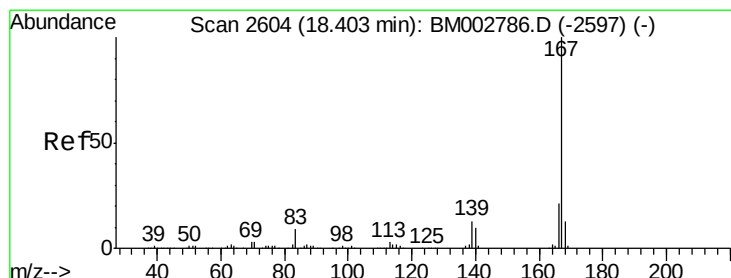
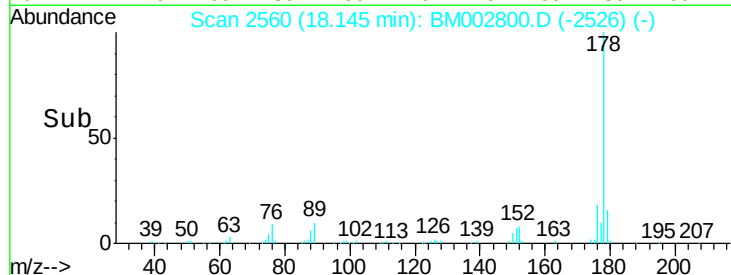
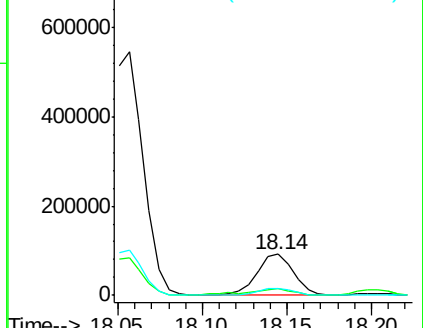
176 17.7 14.4 21.6



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: 5.56 ng/ul

RT: 18.40 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

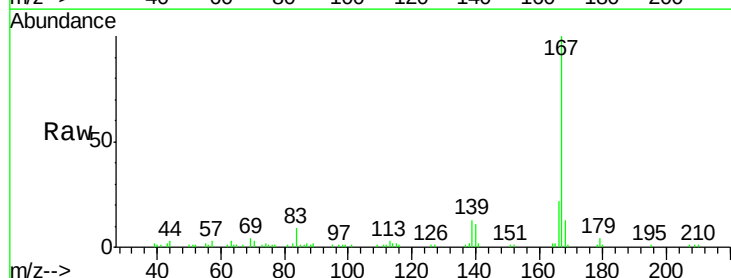
Tgt Ion:167 Resp: 80461

Ion Ratio Lower Upper

167 100

166 21.7 16.8 25.2

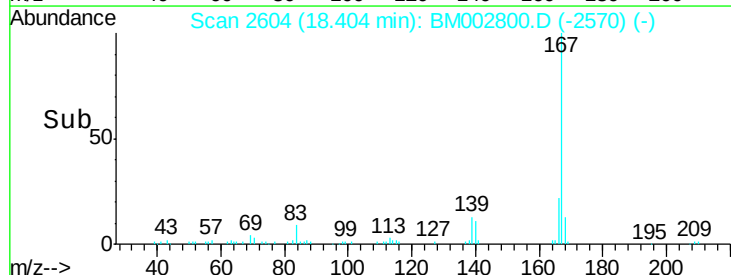
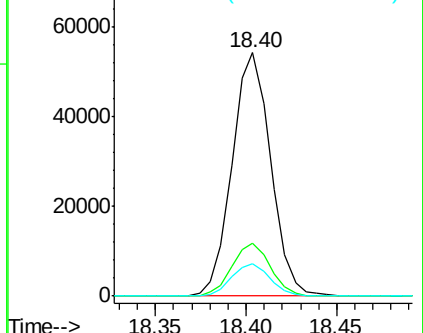
139 13.4 10.1 15.1

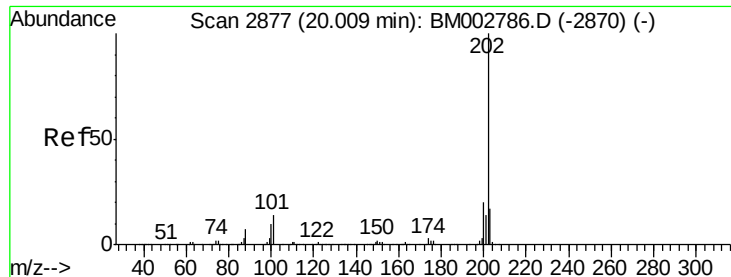


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 88.95 ng/ul

RT: 20.02 min Scan# 2878

Delta R.T. 0.01 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

ClientSampleId :

D9G76

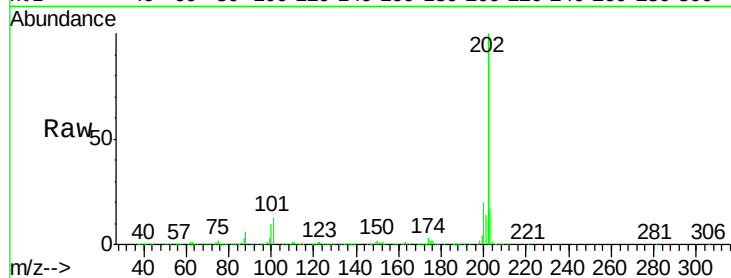
Tgt Ion:202 Resp: 1495720

Ion Ratio Lower Upper

202 100

101 13.3 11.0 16.4

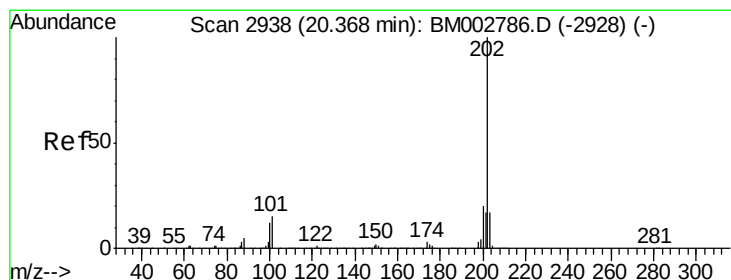
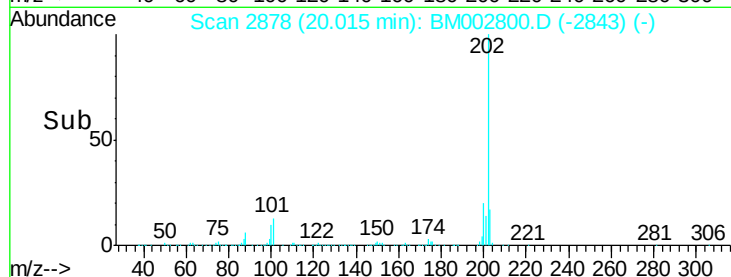
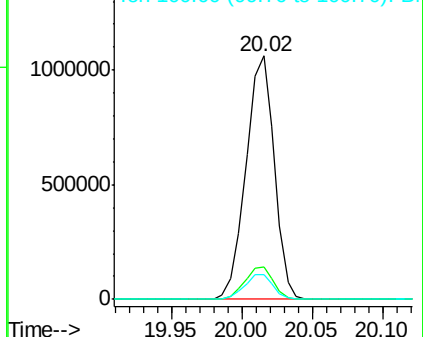
100 10.1 8.3 12.5



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: 63.15 ng/ul

RT: 20.37 min Scan# 2938

Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

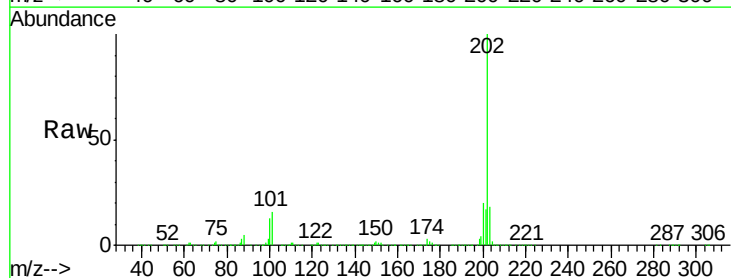
Tgt Ion:202 Resp: 1143508

Ion Ratio Lower Upper

202 100

101 16.1 12.1 18.1

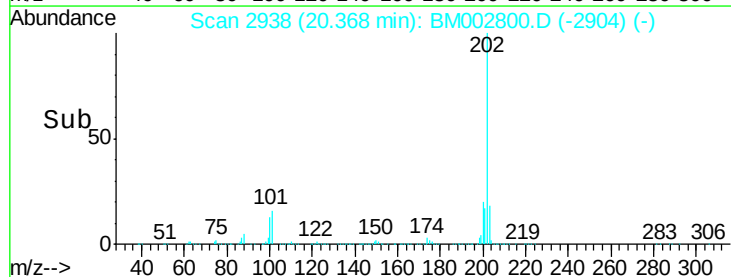
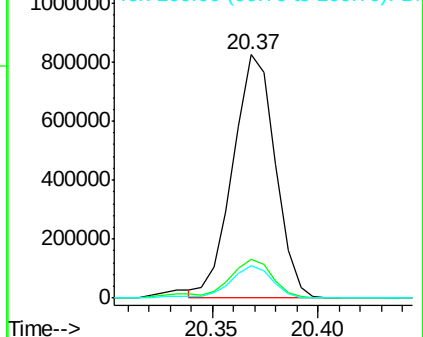
100 13.4 10.2 15.4

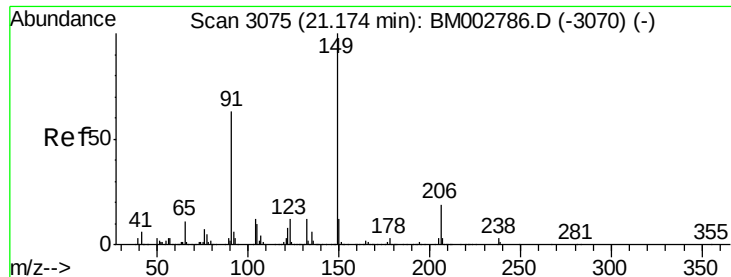


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

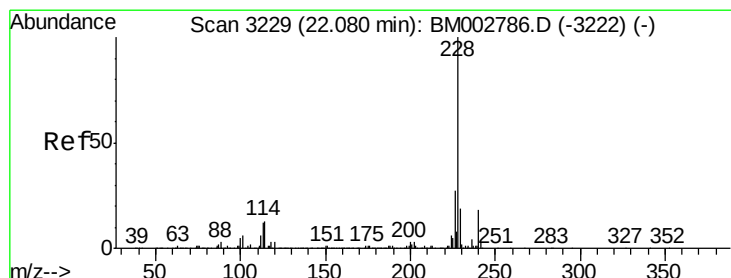
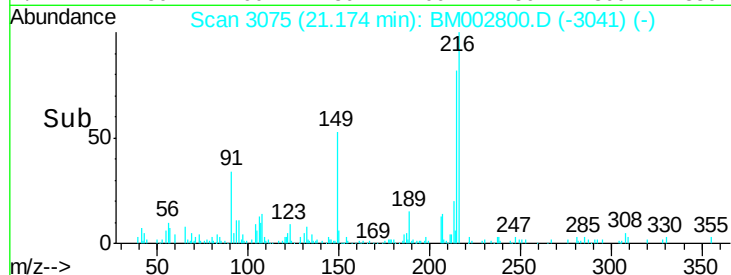
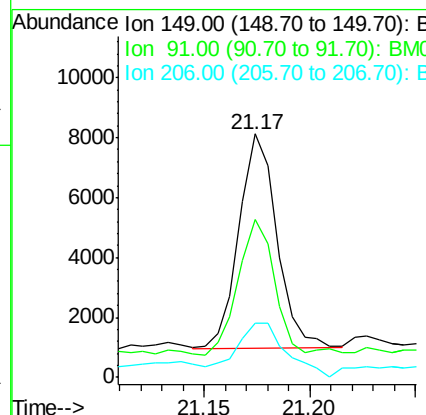
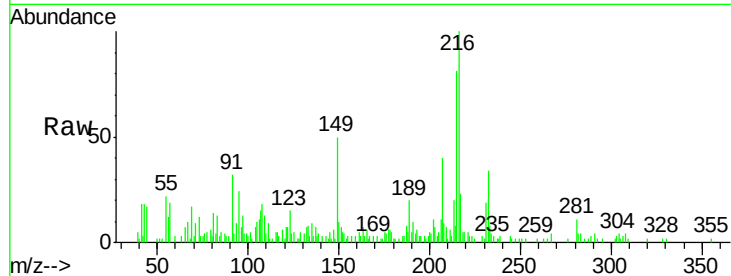




#81
Butylbenzylphthalate
Concen: 1.10 ng/ul
RT: 21.17 min Scan# 3075
Delta R.T. 0.00 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

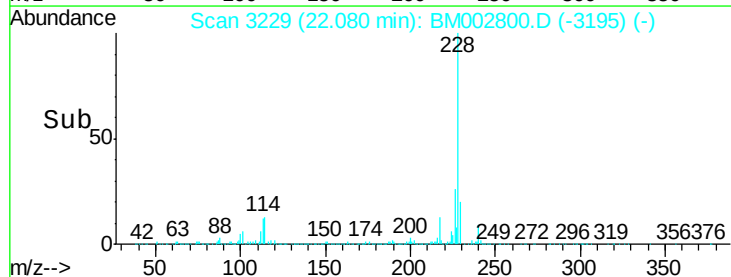
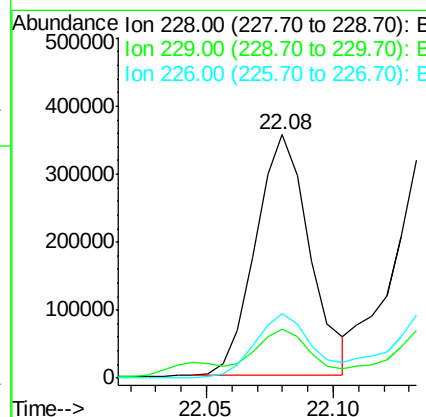
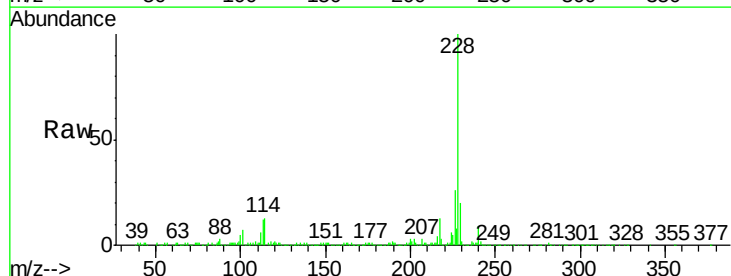
Instrument :
BNA_M
ClientSampleId :
D9G76

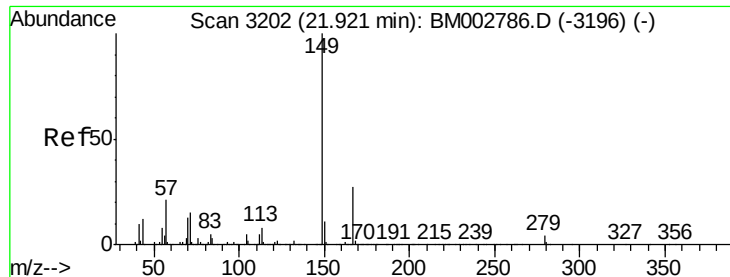
Tgt Ion:149 Resp: 8932
Ion Ratio Lower Upper
149 100
91 64.7 49.0 73.6
206 22.3 16.0 24.0



#83
Benzo(a)anthracene
Concen: 31.24 ng/ul
RT: 22.08 min Scan# 3229
Delta R.T. 0.00 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Tgt Ion:228 Resp: 529404
Ion Ratio Lower Upper
228 100
229 19.9 16.1 24.1
226 26.2 20.9 31.3

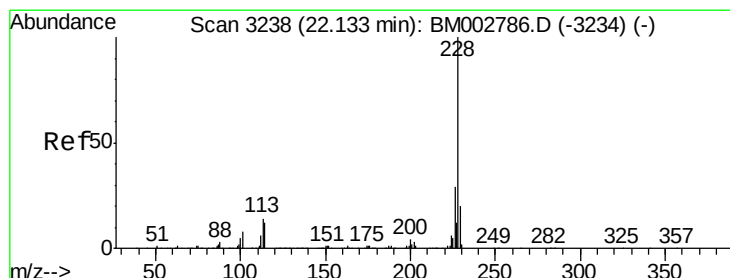
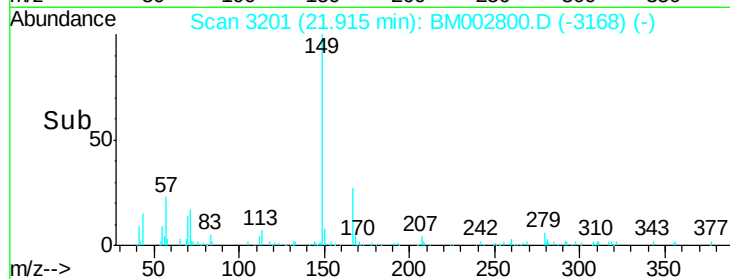
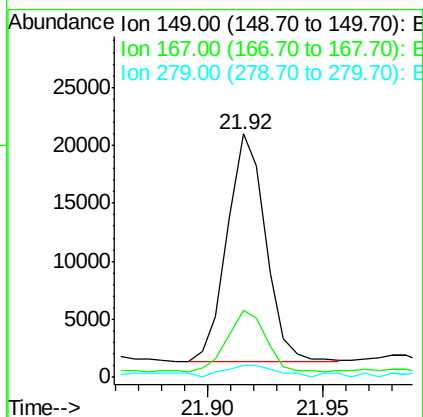
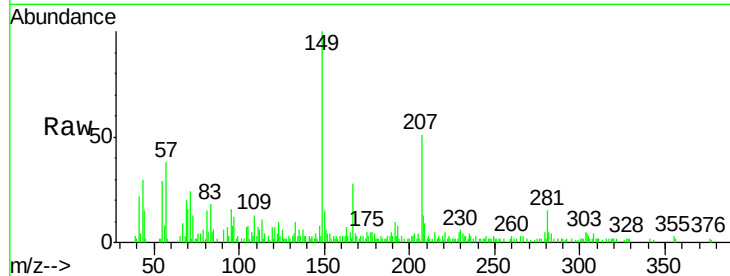




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.86 ng/ul
 RT: 21.92 min Scan# 3201
 Delta R.T. -0.01 min
 Lab File: BM002800.D
 Acq: 01 Oct 2015 02:14

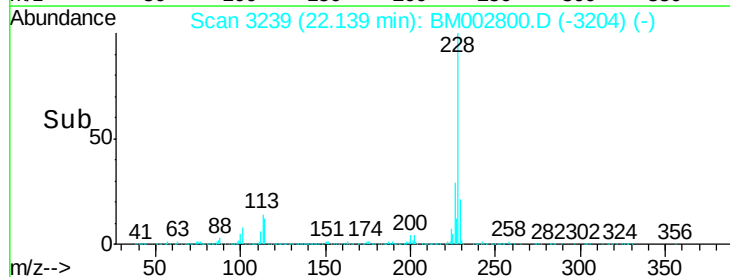
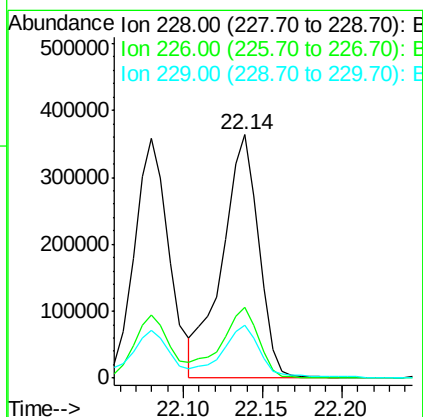
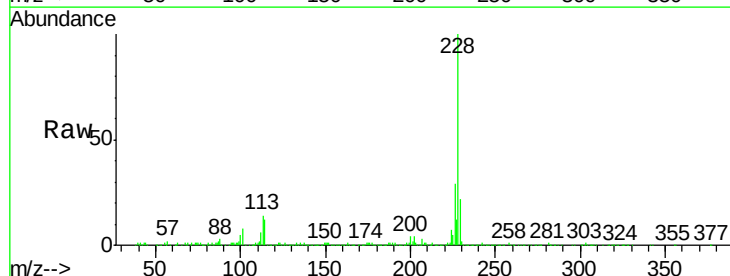
Instrument :
 BNA_M
 ClientSampled :
 D9G76

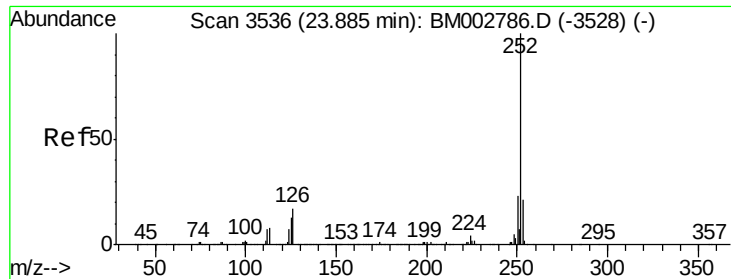
Tgt Ion:149 Resp: 22712
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.7 32.5
 279 5.1 3.0 4.6#



#85
 Chrysene
 Concen: 36.11 ng/ul
 RT: 22.14 min Scan# 3239
 Delta R.T. 0.01 min
 Lab File: BM002800.D
 Acq: 01 Oct 2015 02:14

Tgt Ion:228 Resp: 577186
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.4 33.6
 229 21.6 15.4 23.2





#88

Benzo(b)fluoranthene

Concen: 41.77 ng/ul

RT: 23.90 min Scan# 3538

Delta R.T. 0.01 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

ClientSampleId :

D9G76

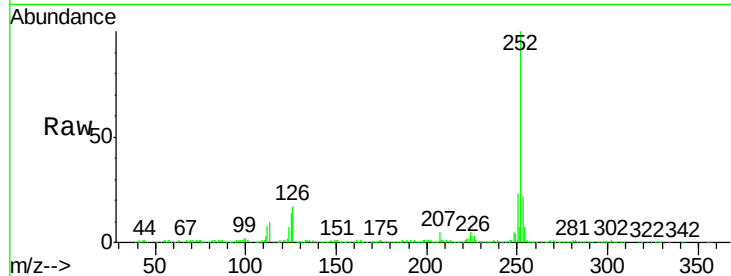
Tgt Ion:252 Resp: 767641

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

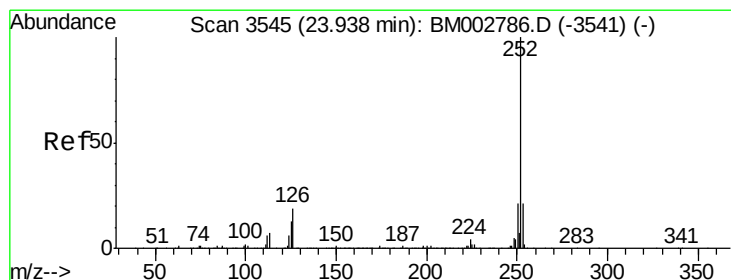
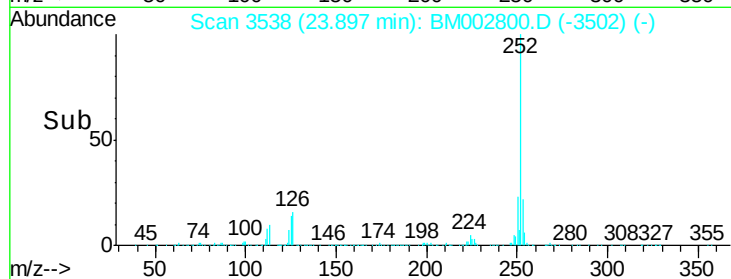
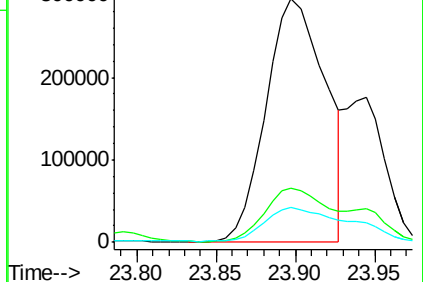
125 14.4 10.6 15.8



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: 14.11 ng/ul

RT: 23.90 min Scan# 3538

Delta R.T. -0.04 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

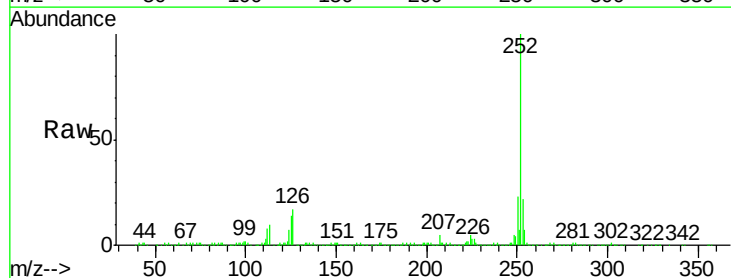
Tgt Ion:252 Resp: 245375

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

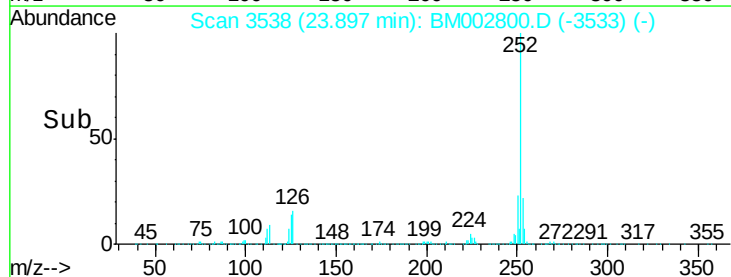
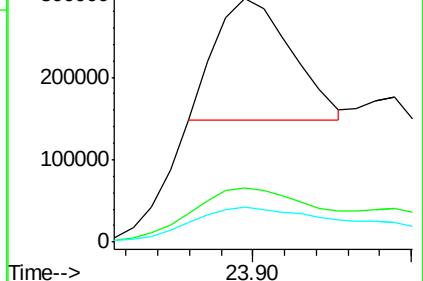
125 14.4 10.0 15.0

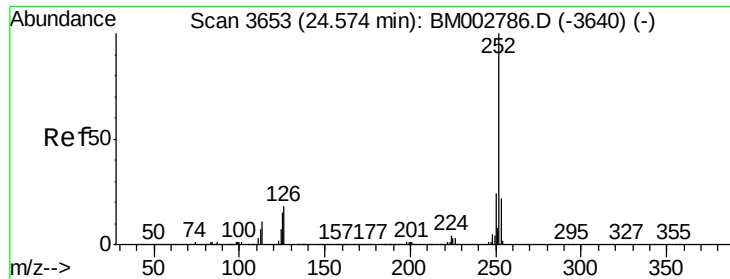


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 30.16 ng/ul

RT: 24.58 min Scan# 3654

Delta R.T. 0.01 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

ClientSampleId :

D9G76

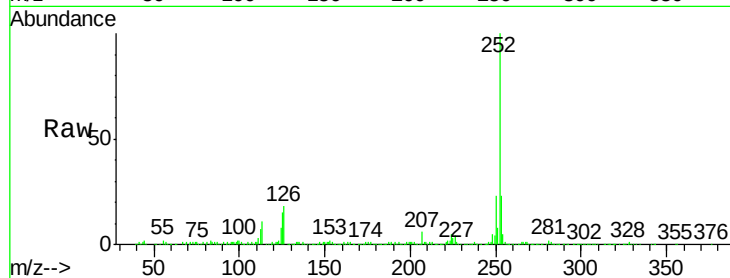
Tgt Ion:252 Resp: 532294

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

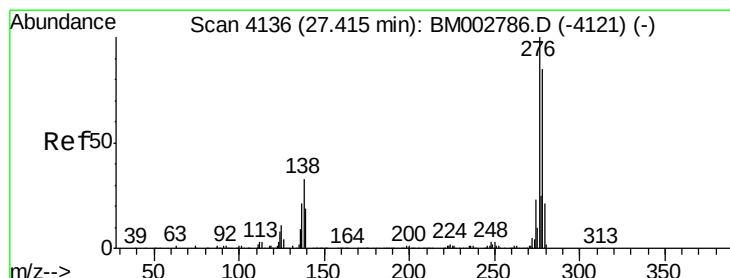
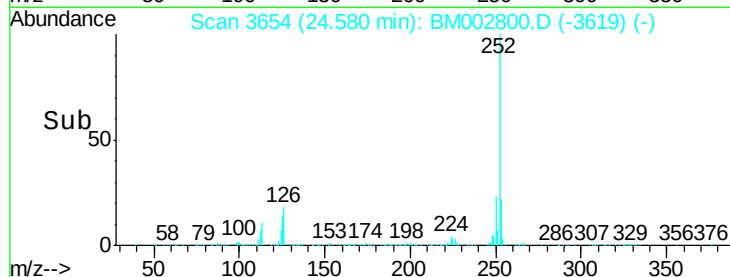
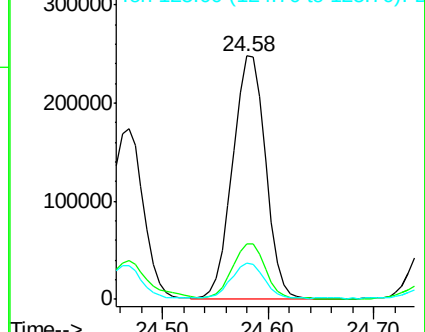
125 14.9 11.4 17.2



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: 19.96 ng/ul

RT: 27.43 min Scan# 4139

Delta R.T. 0.02 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

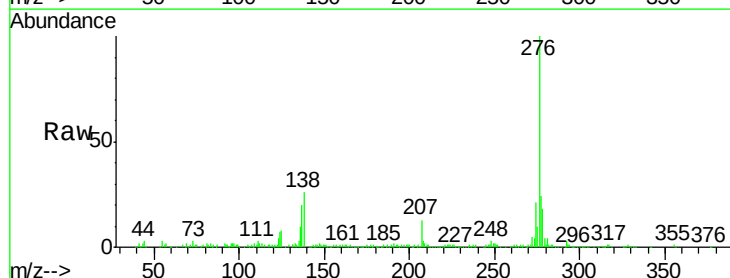
Tgt Ion:276 Resp: 410955

Ion Ratio Lower Upper

276 100

138 26.4 27.7 41.5#

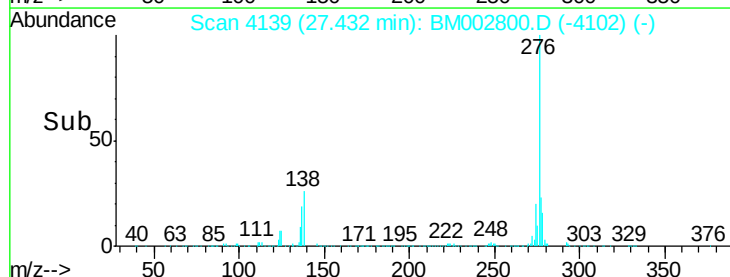
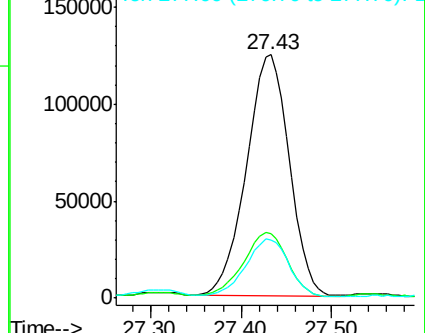
277 24.1 20.2 30.4

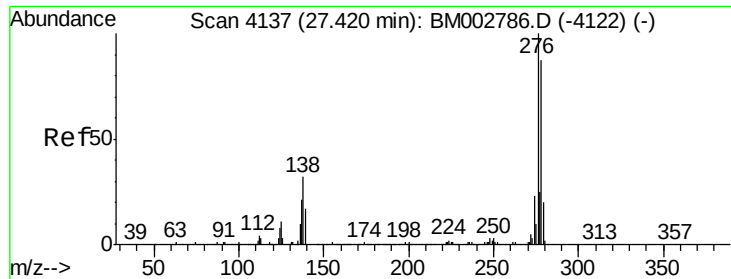


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 5.59 ng/ul

RT: 27.41 min Scan# 4136

Delta R.T. -0.01 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

ClientSampleId :

D9G76

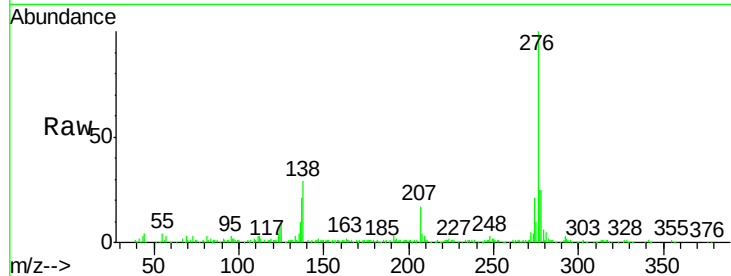
Tgt Ion:278 Resp: 97260

Ion Ratio Lower Upper

278 100

139 0.0 17.0 25.6#

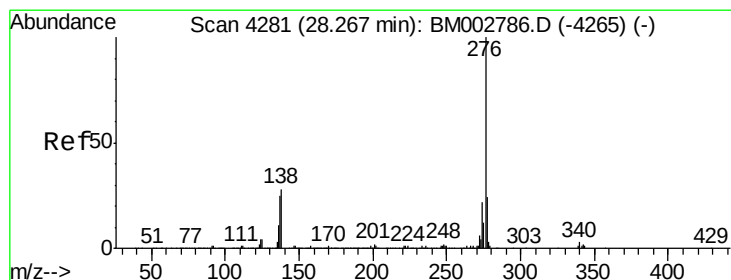
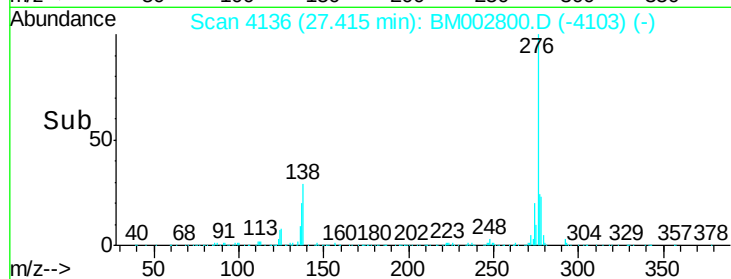
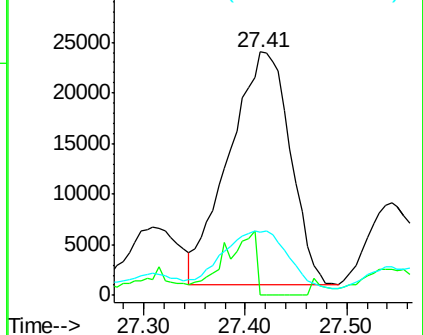
279 25.9 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 21.39 ng/ul

RT: 28.29 min Scan# 4284

Delta R.T. 0.02 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

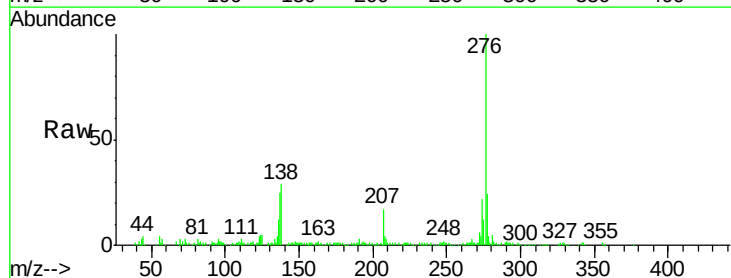
Tgt Ion:276 Resp: 370837

Ion Ratio Lower Upper

276 100

138 28.9 21.8 32.8

277 24.4 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

