

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012758.D
 Acq On : 06 Nov 2017 02:48
 Operator : SJ/JU
 Sample : I5829-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-64(1.5-2.5)-101117

Quant Time: Nov 06 07:23:18 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	146476	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	620987	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	389470	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	865674	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	690575	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	737697	20.00	ng/ul	0.00

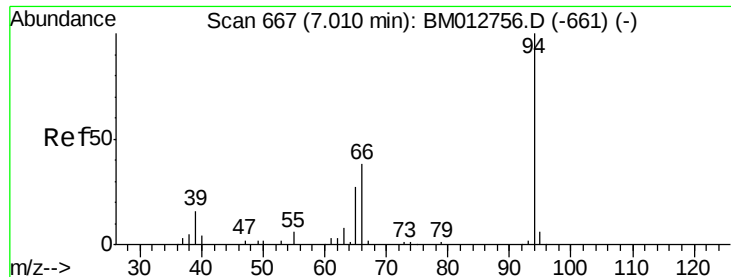
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	11435	4.22	ng/uL	0.00
5) Phenol-d5	6.99	99	296561	27.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	163449	27.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	254751	28.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	204219	21.71	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	130966	28.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	147703	28.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	293459	27.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	101576	9.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	941496	29.21	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1175035	29.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	85742	16.60	ng/ul	0.00
57) Fluorene-d10	15.44	176	855282	30.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	70595	12.35	ng/ul	0.00
70) Anthracene-d10	17.29	188	1268808	30.34	ng/ul	0.00
78) Pyrene-d10	19.59	212	1170471	36.53	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1071427	30.72	ng/ul	0.01

Target Compounds

						Ovalue
6) Phenol	7.01	94	44667	3.99	ng/ul#	90
21) Isophorone	9.53	82	20205	1.04	ng/ul#	96
44) Dimethylphthalate	13.90	163	517092	16.17	ng/ul	99
47) Acenaphthylene	14.17	152	135637	3.51	ng/ul	98
58) Fluorene	15.50	166	39036	1.22	ng/ul	98
69) Phenanthrene	17.23	178	591236	12.50	ng/ul	99
71) Anthracene	17.33	178	181511	3.70	ng/ul	99
74) Carbazole	17.59	167	50379	1.23	ng/ul	96
75) Di-n-butylphthalate	18.16	149	236458	4.93	ng/ul	100
76) Fluoranthene	19.25	202	1275607	22.43	ng/ul#	92
80) Butylbenzylphthalate	20.51	149	30872	2.05	ng/ul#	94
82) Benzo(a)anthracene	21.36	228	635922	15.22	ng/ul	96
83) Bis(2-ethylhexyl)phthalate	21.29	149	77605	3.55	ng/ul#	90
84) Chrysene	21.41	228	594433	15.70	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	915575	20.31	ng/ul	95
88) Benzo(k)fluoranthene	22.97	252	915575	21.37	ng/ul	95
90) Benzo(a)pyrene	23.56	252	631432	14.72	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.98	276	506013	9.79	ng/ul#	87
92) Dibenzo(a,h)anthracene	25.99	278	139346	3.18	ng/ul#	90
93) Benzo(g,h,i)perylene	26.69	276	455259	10.69	ng/ul#	92

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



#6

Phenol

Concen: 3.99 ng/ul

RT: 7.01 min Scan# 667

Delta R.T. -0.00 min

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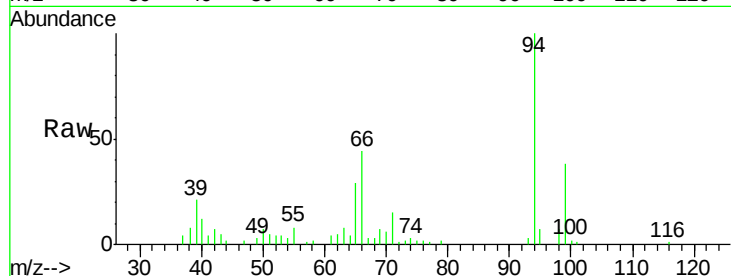
Tot Ion: 94 Resp: 44667

Ion Ratio Lower Upper

94 100

65 29.1 21.0 31.6

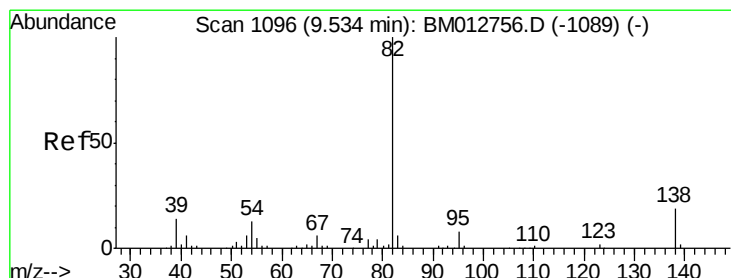
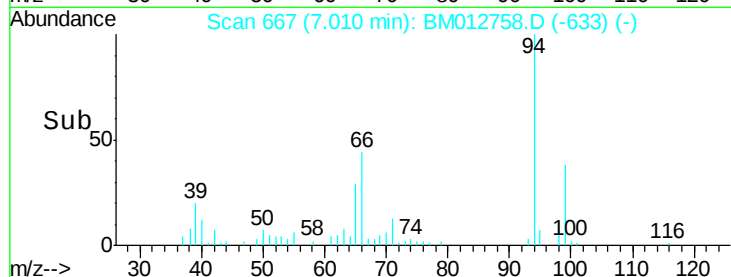
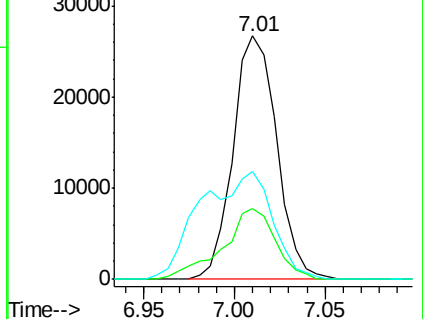
66 44.5 29.3 43.9#



Abundance Ion 94.00 (93.70 to 94.70): BM012758.D (-661) (-)

Ion 65.00 (64.70 to 65.70): BM012758.D (-661) (-)

Ion 66.00 (65.70 to 66.70): BM012758.D (-661) (-)



#21

Isophorone

Concen: 1.04 ng/ul

RT: 9.53 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

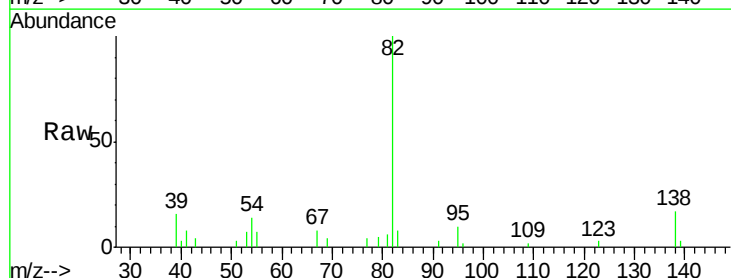
Tgt Ion: 82 Resp: 20205

Ion Ratio Lower Upper

82 100

95 10.2 6.4 9.6#

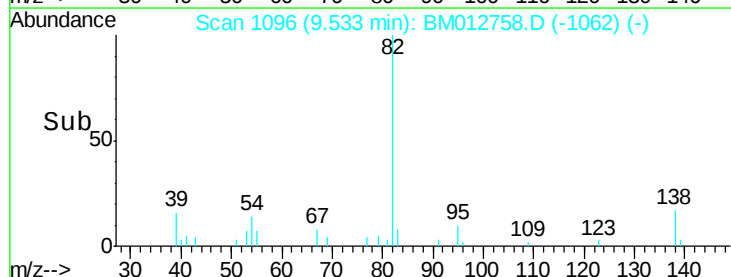
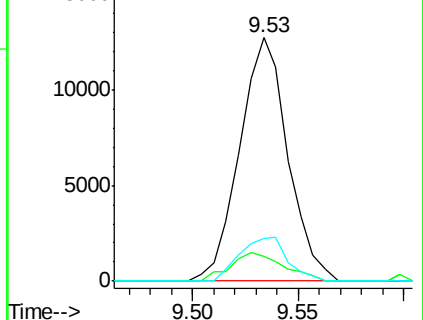
138 17.3 14.9 22.3

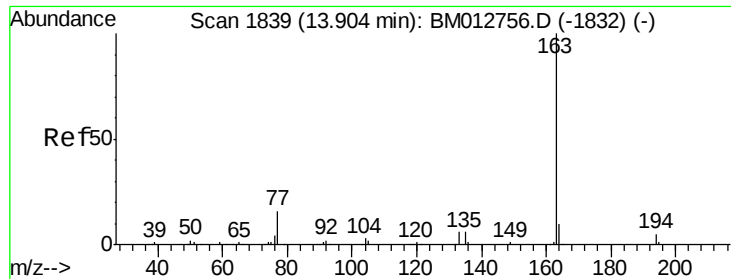


Abundance Ion 82.00 (81.70 to 82.70): BM012758.D (-1089) (-)

Ion 95.00 (94.70 to 95.70): BM012758.D (-1089) (-)

Ion 138.00 (137.70 to 138.70): BM012758.D (-1089) (-)





#44

Dimethylphthalate

Concen: 16.17 ng/ul

RT: 13.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

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ClientSampleId :

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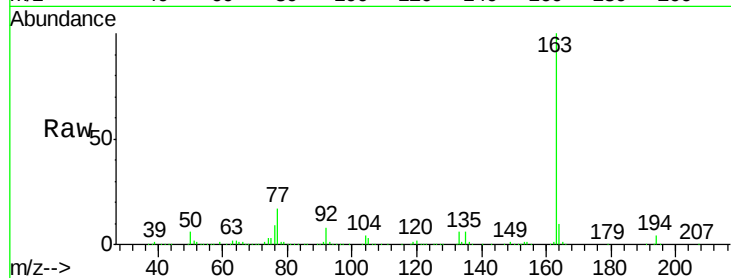
Tot Ion:163 Resp: 517092

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

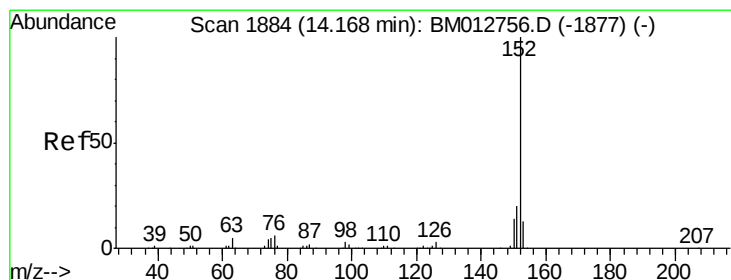
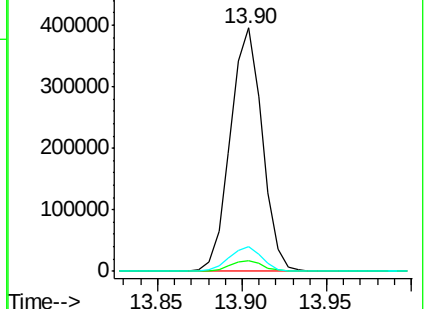
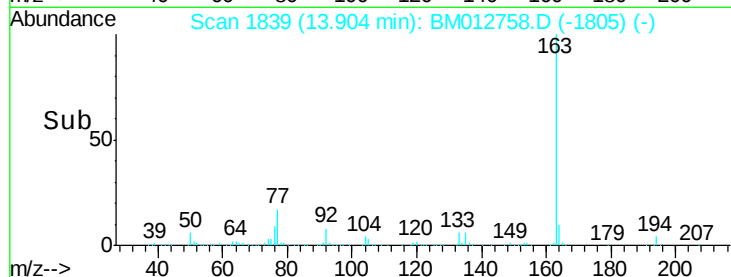
164 10.0 7.8 11.8



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



#47

Acenaphthylene

Concen: 3.51 ng/ul

RT: 14.17 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

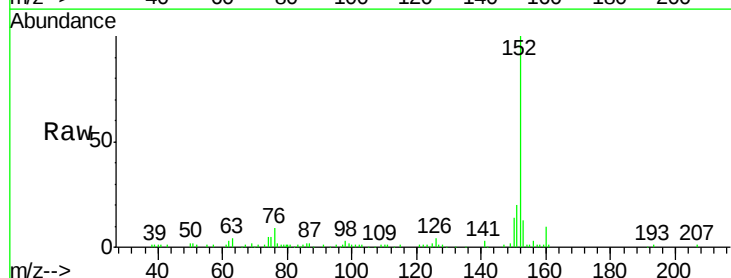
Tgt Ion:152 Resp: 135637

Ion Ratio Lower Upper

152 100

151 20.4 15.7 23.5

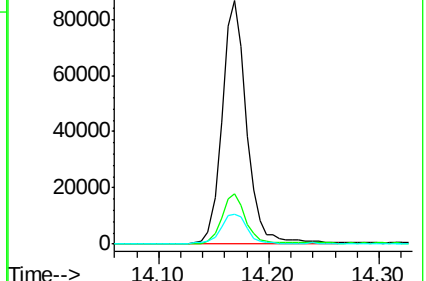
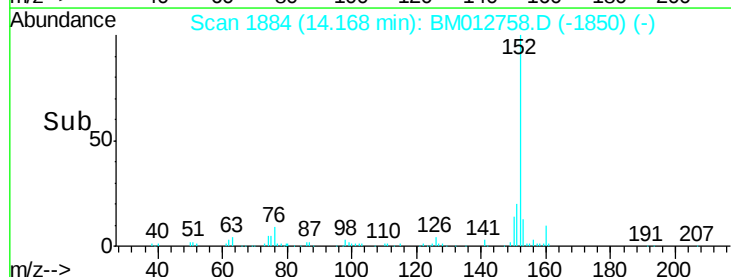
153 12.5 10.5 15.7

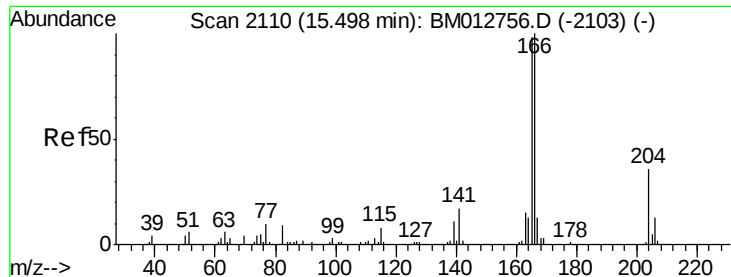


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#58

Fluorene

Concen: 1.22 ng/ul

RT: 15.50 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

ClientSampleId :

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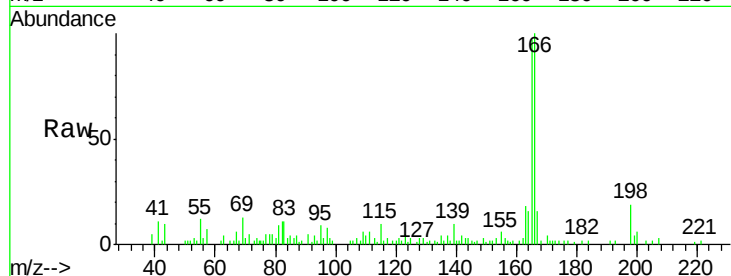
Tot Ion:166 Resp: 39036

Ion Ratio Lower Upper

166 100

165 96.9 78.5 117.7

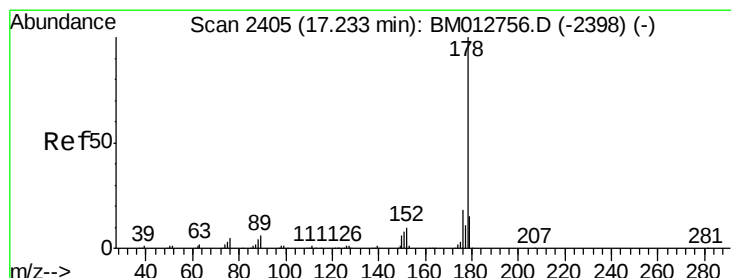
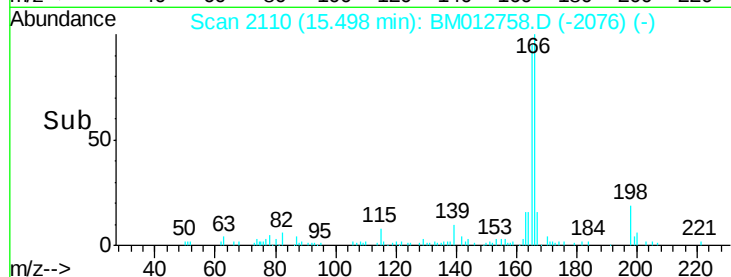
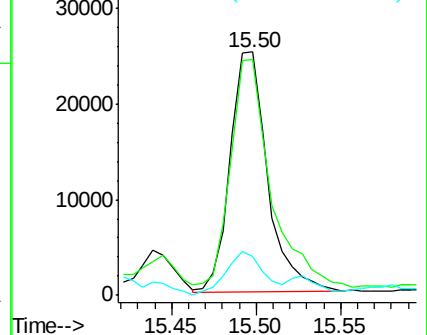
167 16.0 10.7 16.1



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



#69

Phenanthrene

Concen: 12.50 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

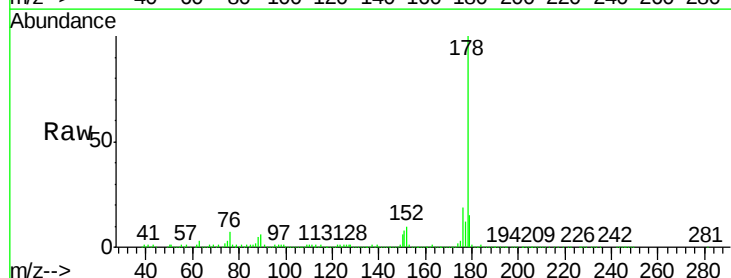
Tgt Ion:178 Resp: 591236

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

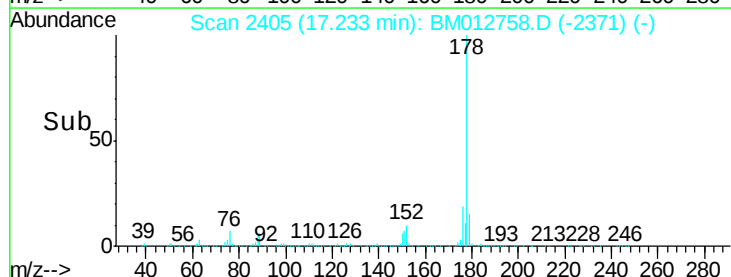
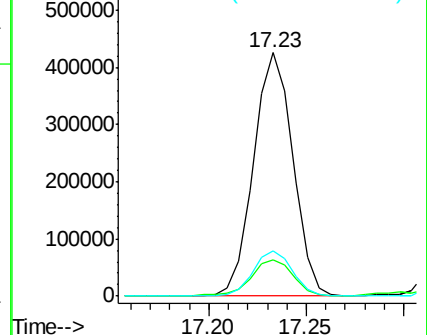
176 18.5 15.6 23.4

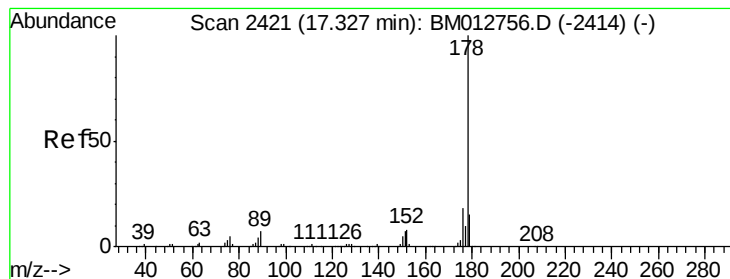


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.70 ng/ul

RT: 17.33 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

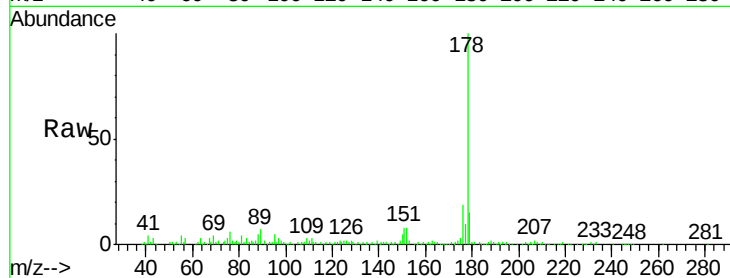
Tot Ion:178 Resp: 181511

Ion Ratio Lower Upper

178 100

179 15.0 12.1 18.1

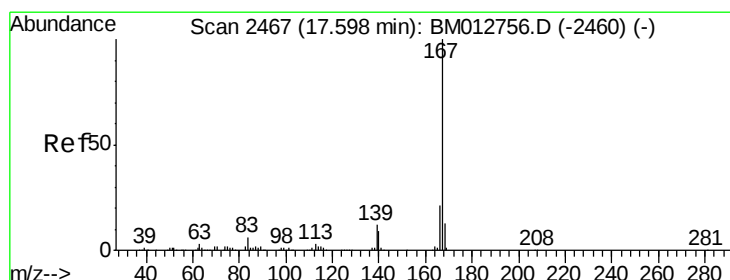
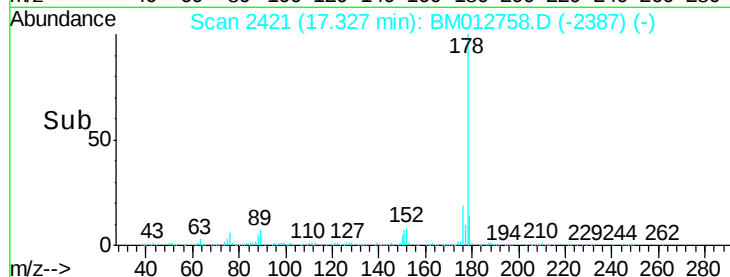
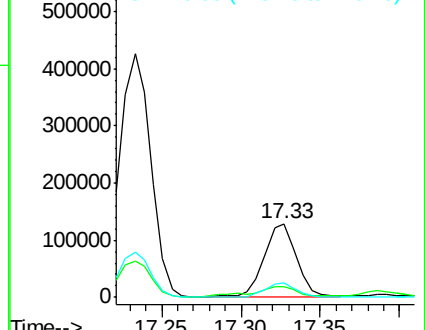
176 19.0 14.8 22.2



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



#74

Carbazole

Concen: 1.23 ng/ul

RT: 17.59 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

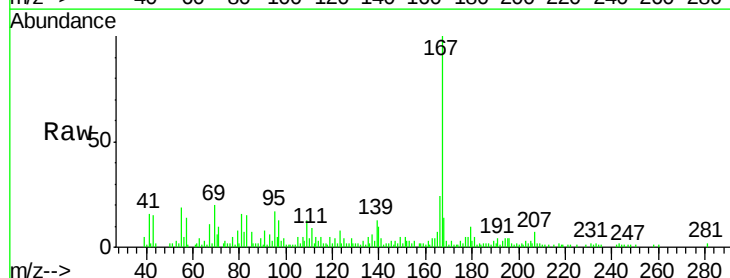
Tgt Ion:167 Resp: 50379

Ion Ratio Lower Upper

167 100

166 23.7 17.0 25.6

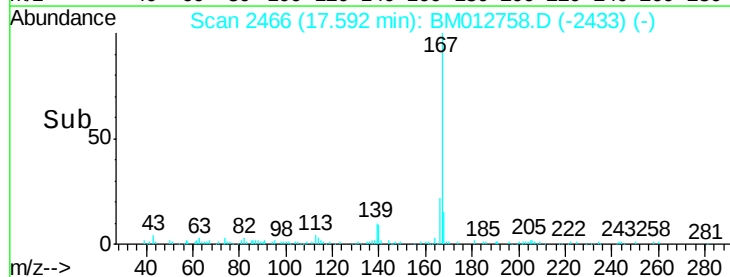
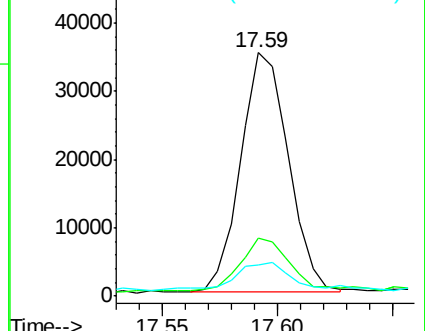
139 13.0 11.0 16.4

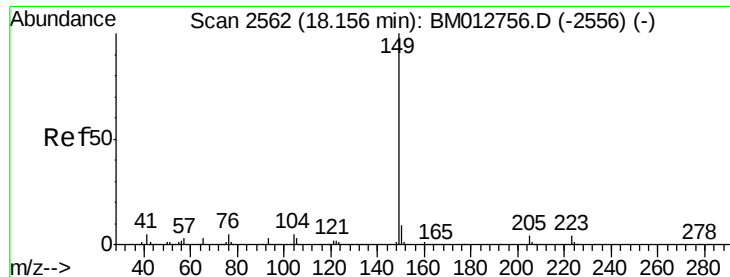


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

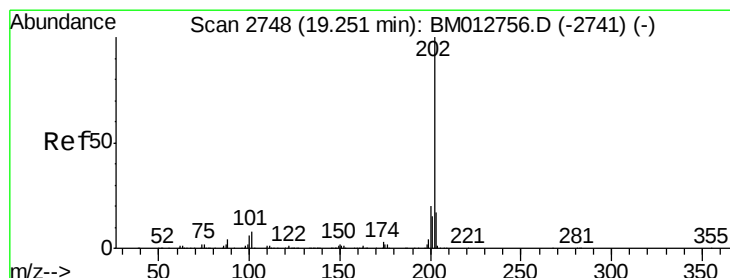
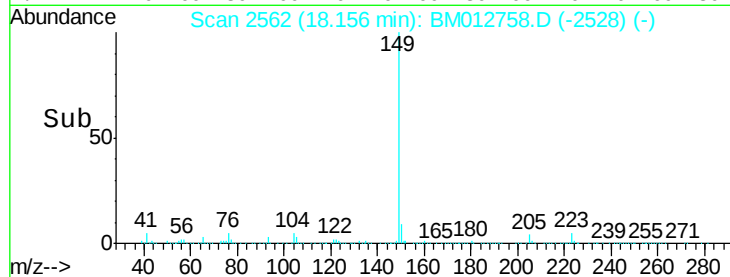
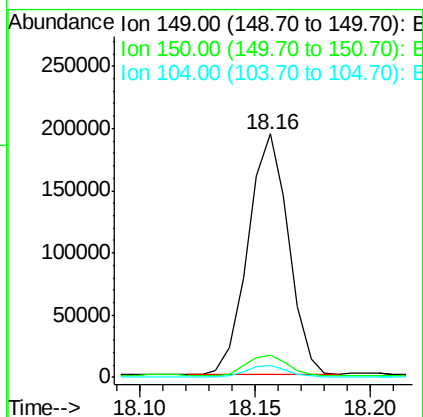
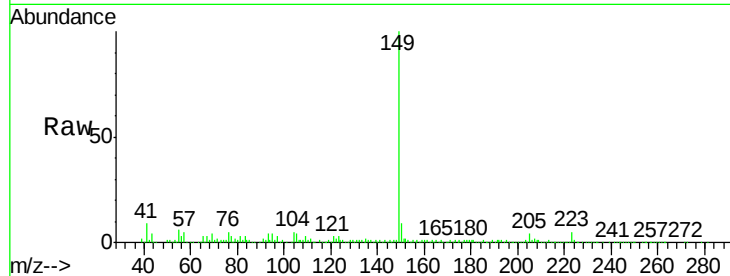




#75
Di-n-butylphthalate
Concen: 4.93 ng/ul
RT: 18.16 min Scan# 2562
Delta R.T. -0.00 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

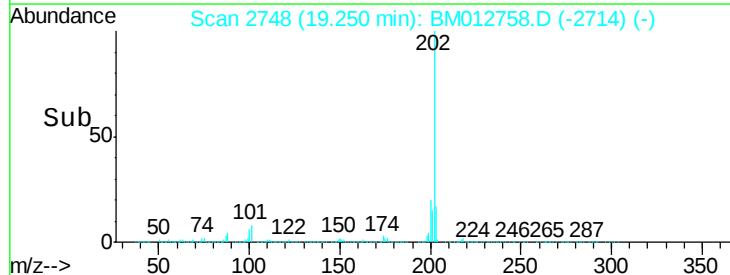
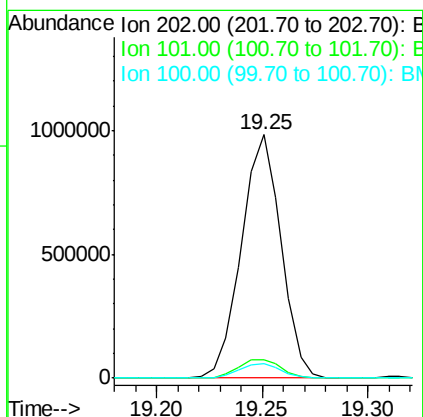
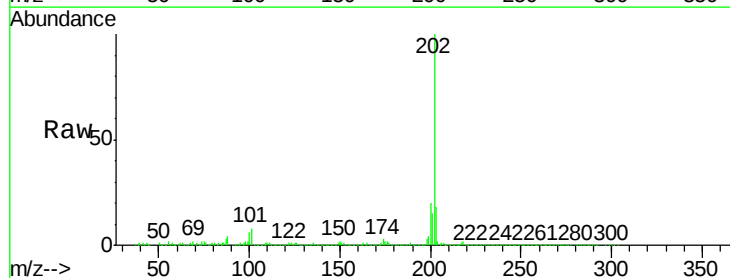
Instrument :
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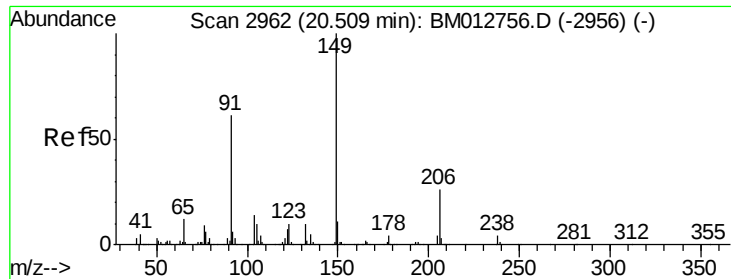
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.8	4.0	6.0



#76
Fluoranthene
Concen: 22.43 ng/ul
RT: 19.25 min Scan# 2748
Delta R.T. -0.00 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	8.8	13.2#
100	6.1	6.6	9.8#

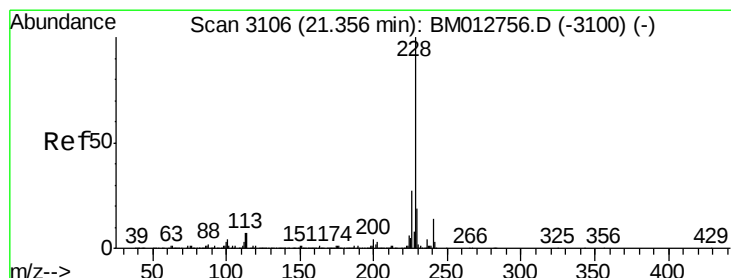
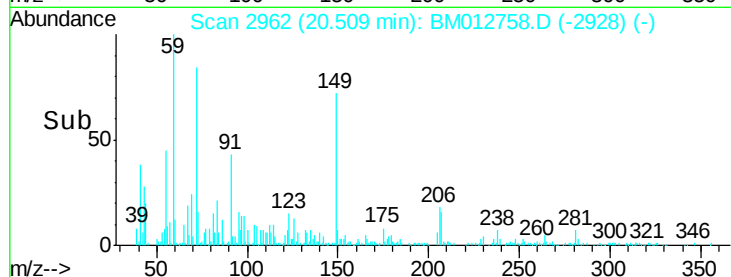
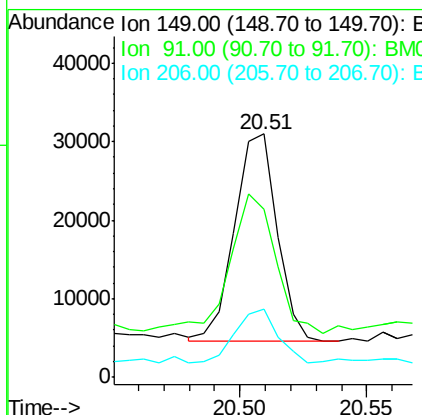
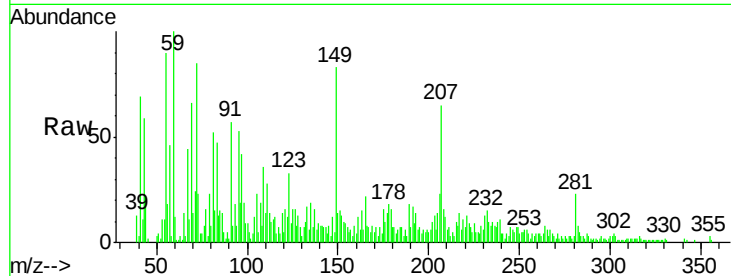




#80
Butylbenzylphthalate
Concen: 2.05 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. -0.00 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

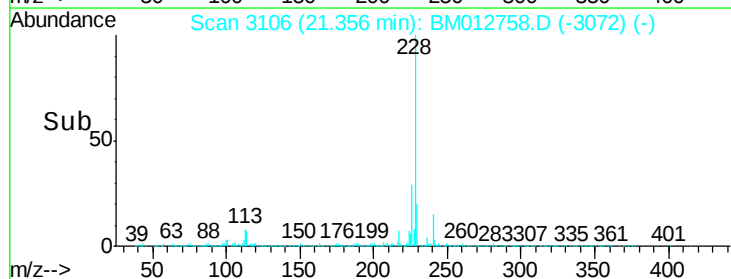
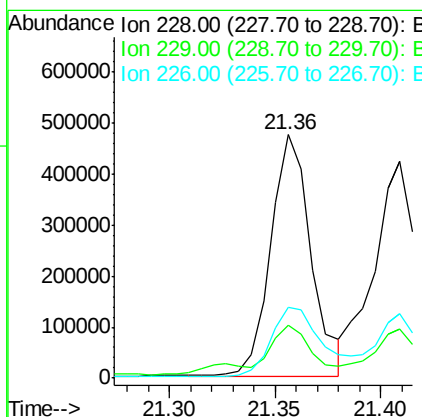
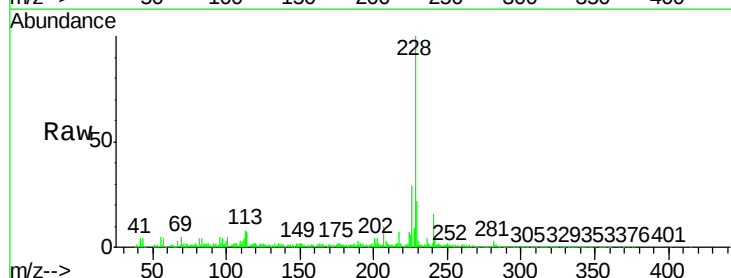
Instrument :
BNA_M
ClientSampleId :
B-64(1.5-2.5)-101117

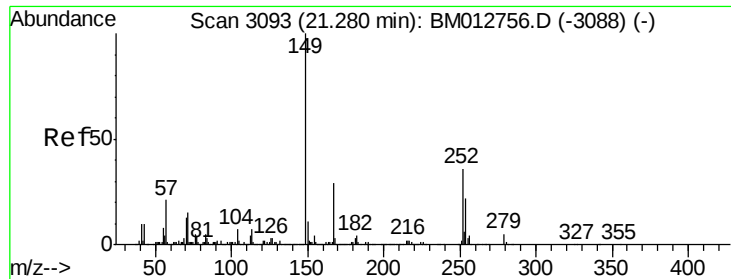
Tot Ion	Ratio	Lower	Upper
149	100		
91	69.1	53.4	80.2
206	27.8	16.6	24.8



#82
Benzo(a)anthracene
Concen: 15.22 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM012758.D
Acq: 06 Nov 2017 02:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.7	23.5
226	29.3	21.8	32.6

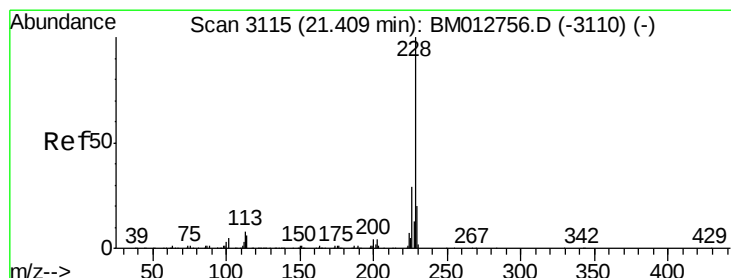
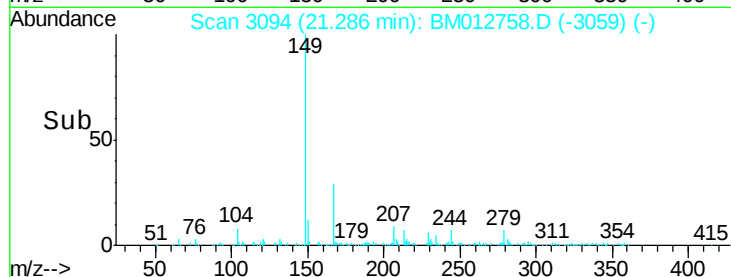
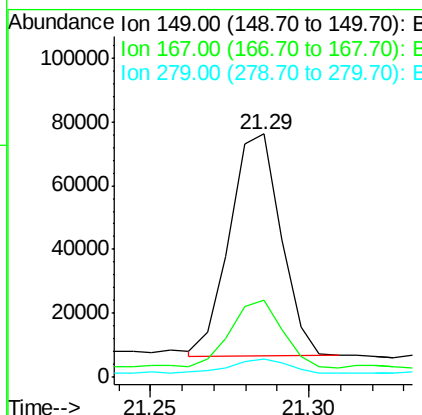
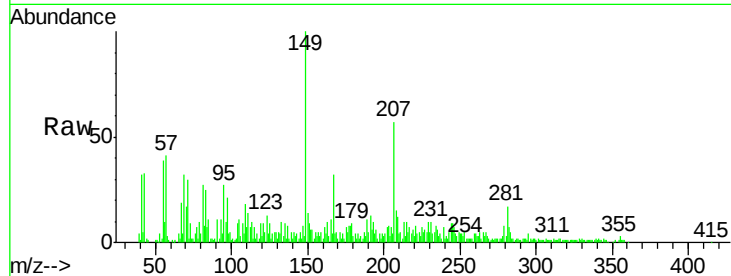




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.55 ng/ul
 RT: 21.29 min Scan# 3094
 Delta R.T. 0.01 min
 Lab File: BM012758.D
 Acq: 06 Nov 2017 02:48

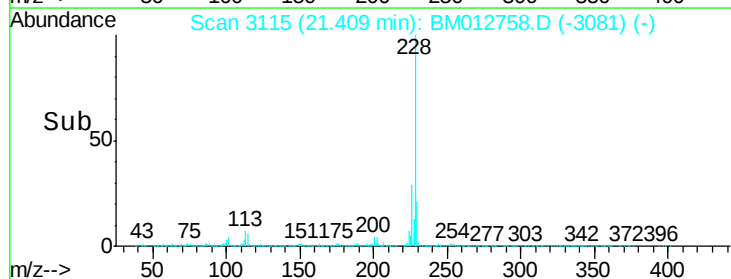
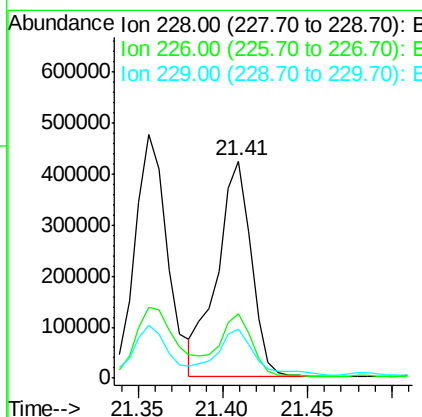
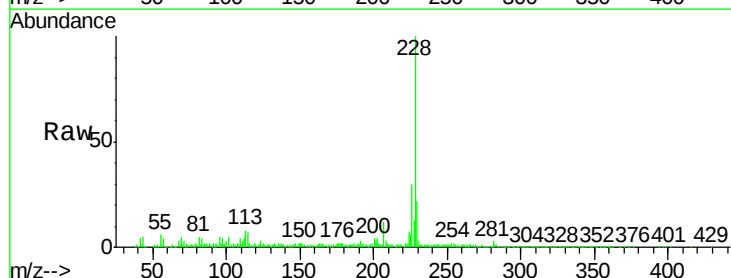
Instrument :
 BNA_M
 ClientSampleId :
 B-64(1.5-2.5)-101117

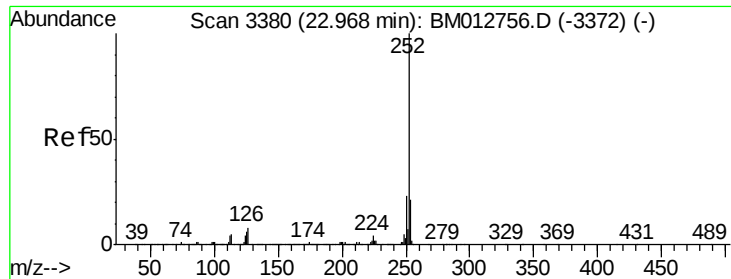
Tot Ion:149 Resp: 77605
 Ion Ratio Lower Upper
 149 100
 167 31.7 21.6 32.4
 279 7.7 3.0 4.4#



#84
 Chrysene
 Concen: 15.70 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. -0.00 min
 Lab File: BM012758.D
 Acq: 06 Nov 2017 02:48

Tgt Ion:228 Resp: 594433
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.0 36.0
 229 22.3 15.6 23.4





#87

Benzo(b)fluoranthene

Concen: 20.31 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. 0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

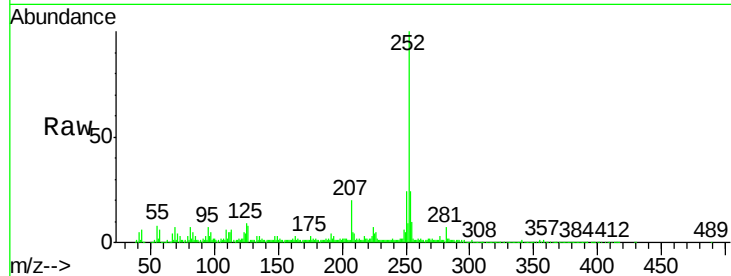
Tot Ion:252 Resp: 915575

Ion Ratio Lower Upper

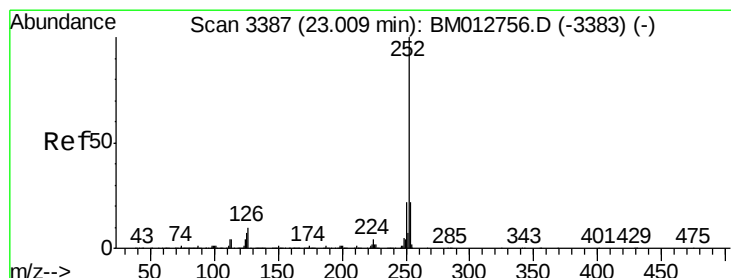
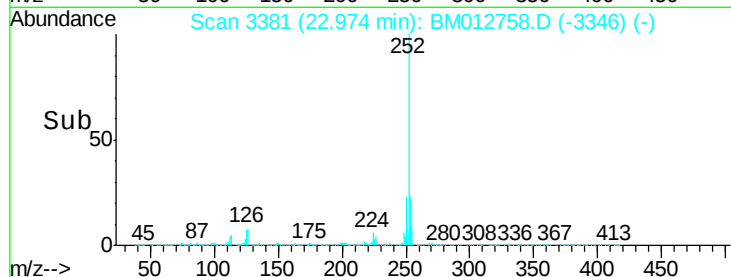
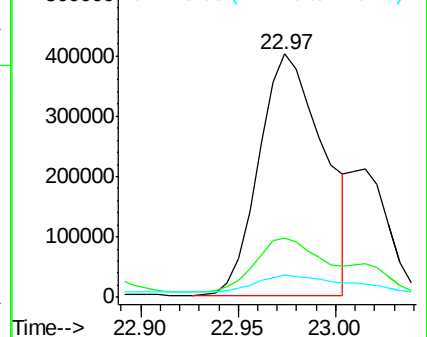
252 100

253 24.5 17.5 26.3

125 8.9 8.5 12.7



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



#88

Benzo(k)fluoranthene

Concen: 21.37 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. -0.04 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

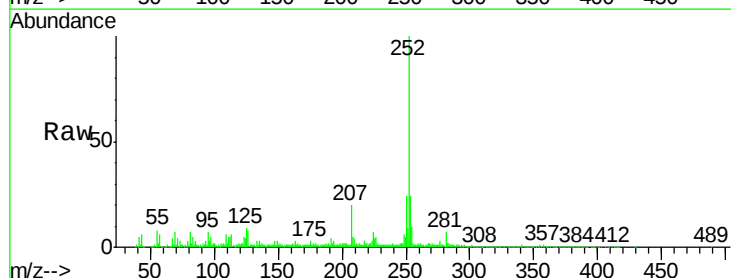
Tgt Ion:252 Resp: 915575

Ion Ratio Lower Upper

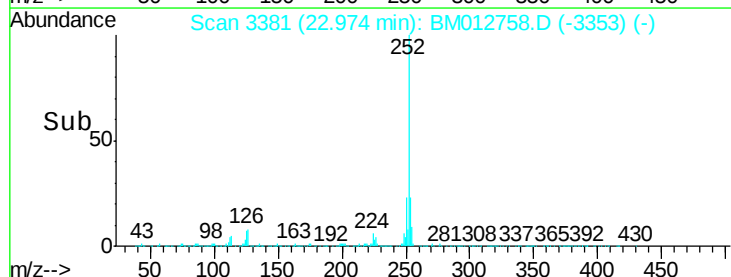
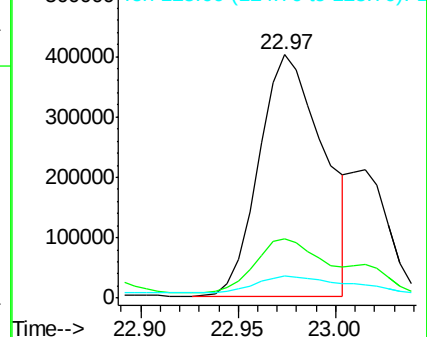
252 100

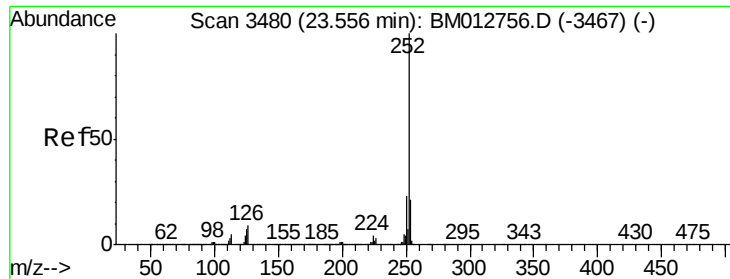
253 24.5 17.3 25.9

125 8.9 8.2 12.2



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





#90

Benzo(a)pyrene

Concen: 14.72 ng/ul

RT: 23.56 min Scan# 3481

Delta R.T. 0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

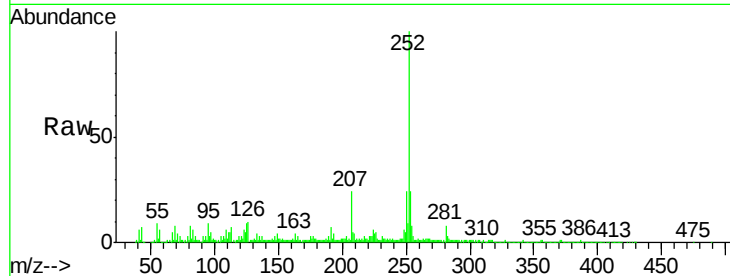
Tot Ion:252 Resp: 631432

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

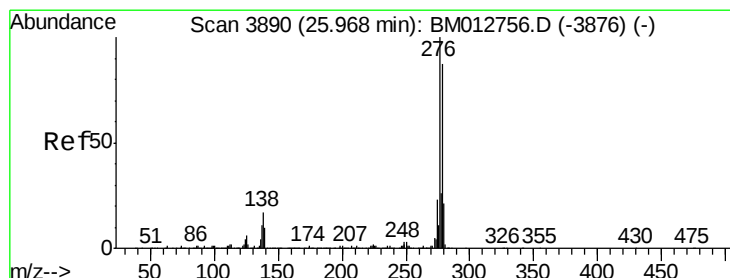
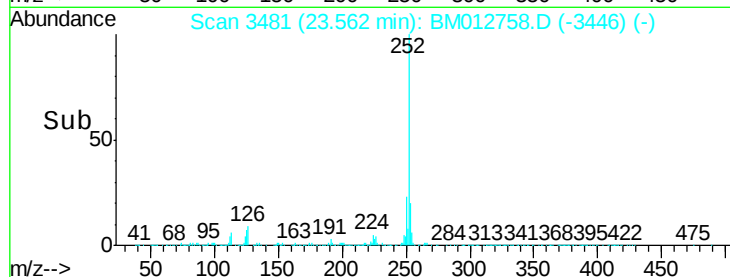
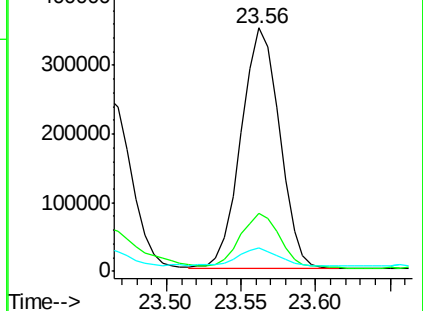
125 9.5 9.0 13.6



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 9.79 ng/ul

RT: 25.98 min Scan# 3892

Delta R.T. 0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

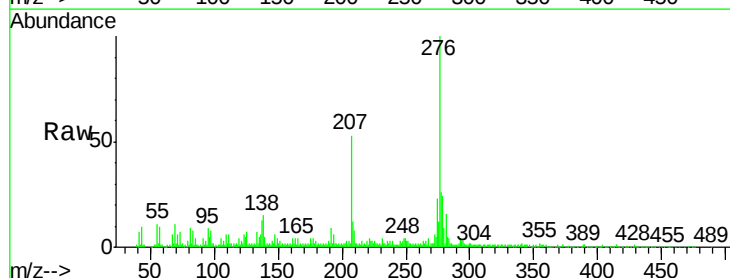
Tgt Ion:276 Resp: 506013

Ion Ratio Lower Upper

276 100

138 15.2 22.3 33.5#

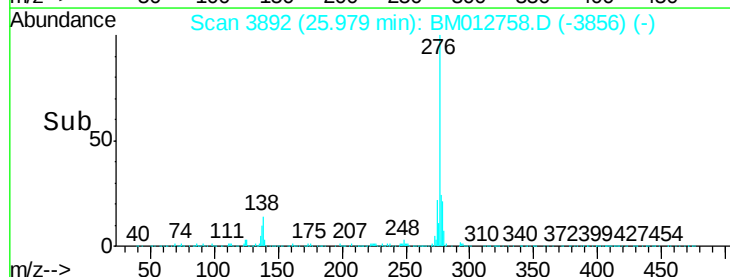
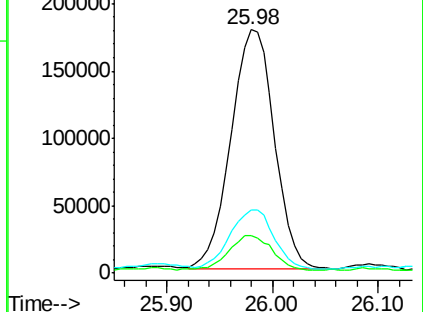
277 26.0 20.2 30.2

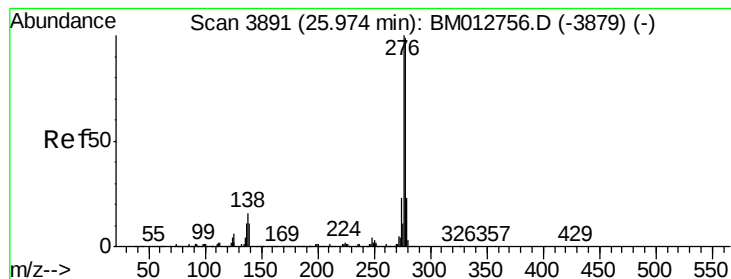


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 3.18 ng/ul

RT: 25.99 min Scan# 3893

Delta R.T. 0.01 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Instrument :

BNA_M

ClientSampleId :

B-64(1.5-2.5)-101117

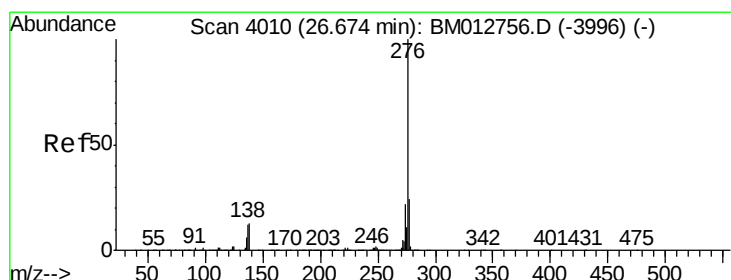
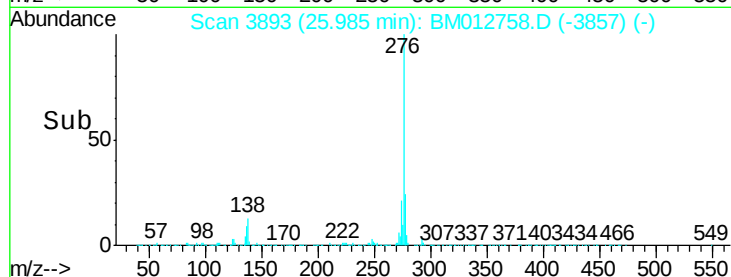
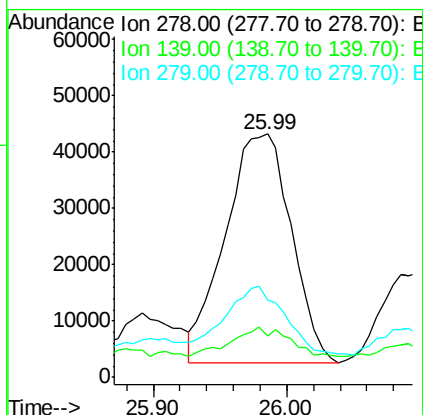
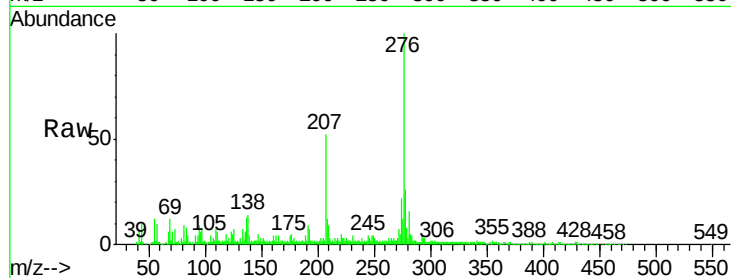
Tot Ion:278 Resp: 139346

Ion Ratio Lower Upper

278 100

139 17.0 13.9 20.9

279 31.6 19.0 28.4#



#93

Benzo(g,h,i)perylene

Concen: 10.69 ng/ul

RT: 26.69 min Scan# 4013

Delta R.T. 0.02 min

Lab File: BM012758.D

Acq: 06 Nov 2017 02:48

Tgt Ion:276 Resp: 455259

Ion Ratio Lower Upper

276 100

138 15.8 18.9 28.3#

277 24.5 19.2 28.8

