

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011752.D
 Acq On : 28 Sep 2017 08:36
 Operator : SJ/JU
 Sample : I5377-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 15:15:43 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 05:09:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	296107	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1314768	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	706929	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1509970	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1170168	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1023682	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	7478	1.13	ng/uL	0.00
5) Phenol-d5	7.09	99	160300	5.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	170407	8.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	152901	7.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	125612	5.51	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	89341	8.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	70694	6.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	126617	6.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.89	131	23287	1.01	ng/ul	0.01
43) Dimethylphthalate-d6	13.97	166	496458	8.19	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	482066	6.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.78	143	3999	0.39	ng/ul	0.02
57) Fluorene-d10	15.56	176	481200	9.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	11788	1.15	ng/ul	0.00
70) Anthracene-d10	17.41	188	636307	8.28	ng/ul	0.00
76) Pyrene-d10	19.70	212	738229	13.22	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	425714	8.69	ng/ul	0.00

Target Compounds

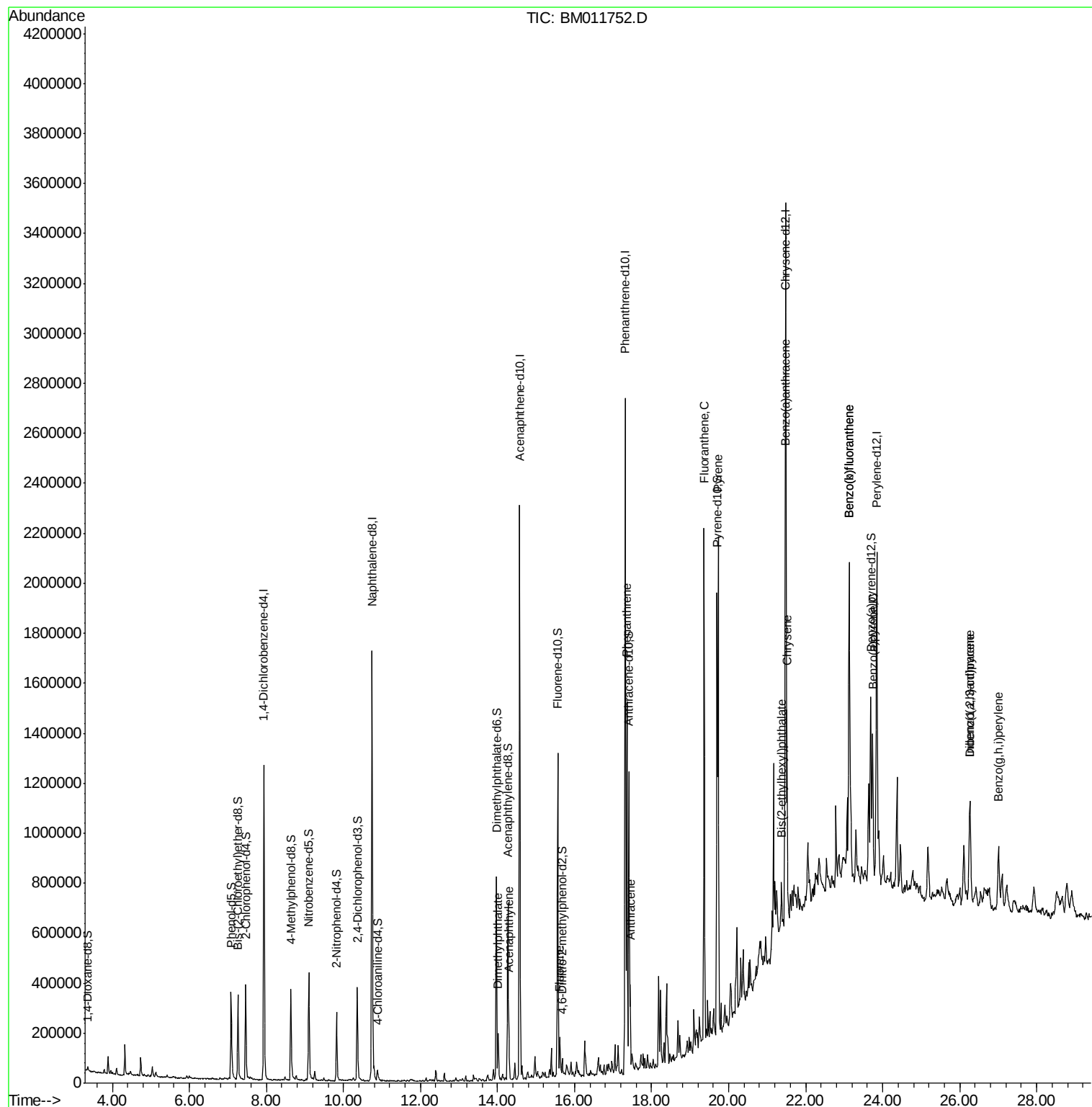
					Ovalue	
44) Dimethylphthalate	14.02	163	100281	1.729	ng/ul	99
47) Acenaphthylene	14.30	152	149068	2.027	ng/ul	99
58) Fluorene	15.62	166	61550	1.057	ng/ul	97
69) Phenanthrene	17.36	178	796398	9.424	ng/ul	98
71) Anthracene	17.44	178	187035	2.148	ng/ul	97
74) Fluoranthene	19.36	202	1215645	11.782	ng/ul#	89
77) Pyrene	19.73	202	1130479	16.212	ng/ul#	87
80) Benzo(a)anthracene	21.46	228	492129	7.517	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.37	149	43830	1.007	ng/ul#	97
82) Chrysene	21.52	228	470090	7.613	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	666527	11.035	ng/ul#	95
86) Benzo(k)fluoranthene	23.13	252	666527	10.817	ng/ul#	93
88) Benzo(a)pyrene	23.74	252	409991	7.028	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.26	276	340297	5.603	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.27	278	84167	1.655	ng/ul#	88
91) Benzo(g,h,i)perylene	27.01	276	322304	6.393	ng/ul#	86

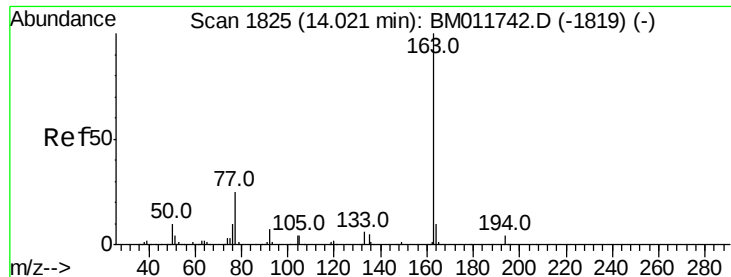
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 05:09:12 2017
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.729 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

Instrument :

BNA_M

ClientSampleId :

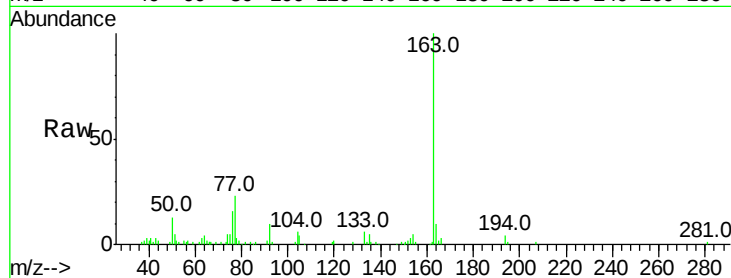
Tot Ion:163 Resp: 100281

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

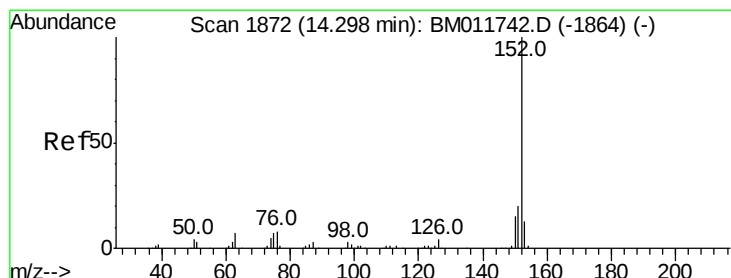
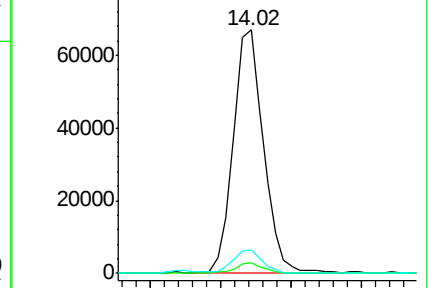
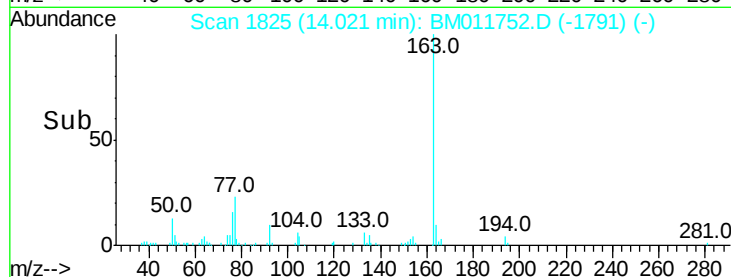
164 9.6 8.2 12.4



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: 2.027 ng/ul

RT: 14.30 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

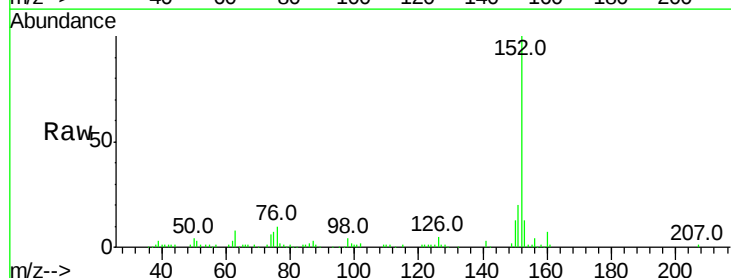
Tgt Ion:152 Resp: 149068

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

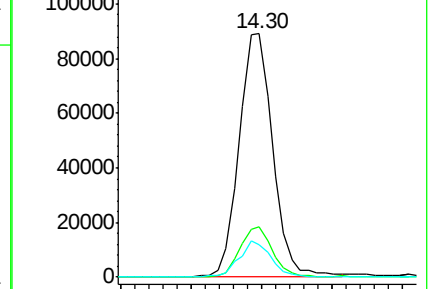
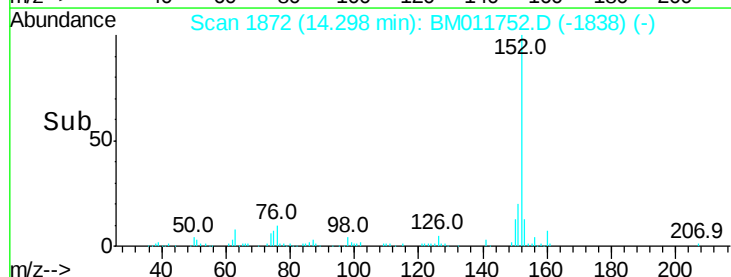
153 13.4 10.2 15.4

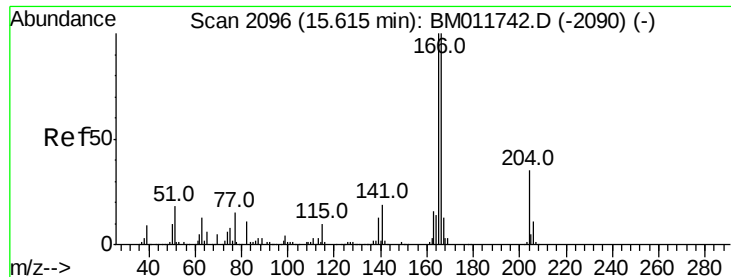


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#58

Fluorene

Concen: 1.057 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

Instrument :

BNA_M

ClientSampleId :

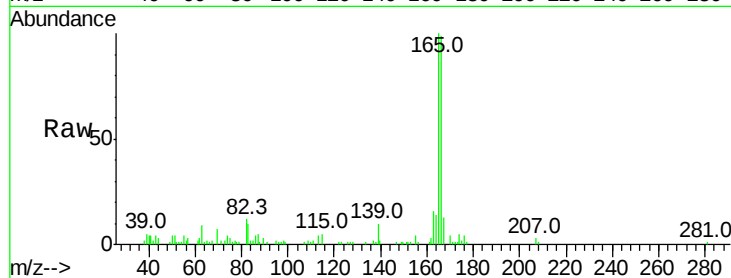
Tot Ion:166 Resp: 61550

Ion Ratio Lower Upper

166 100

165 100.6 77.9 116.9

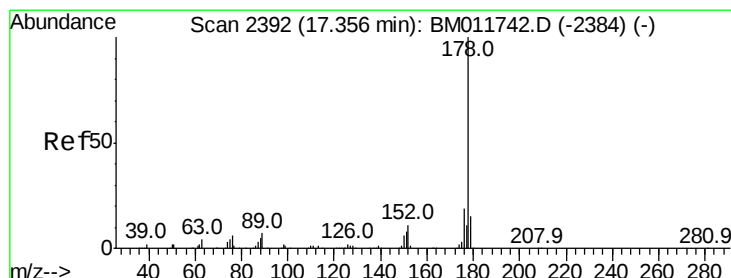
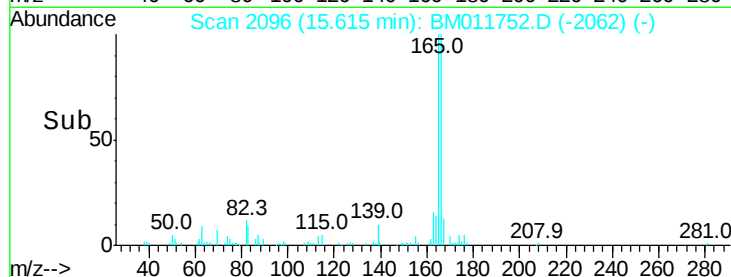
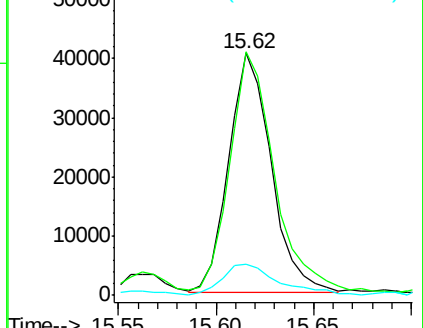
167 13.1 10.6 16.0



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



#69

Phenanthrene

Concen: 9.424 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

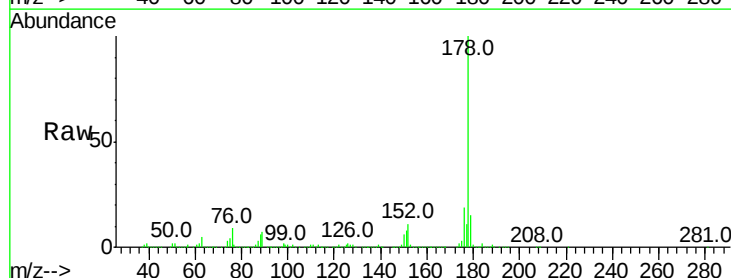
Tgt Ion:178 Resp: 796398

Ion Ratio Lower Upper

178 100

179 14.6 12.6 19.0

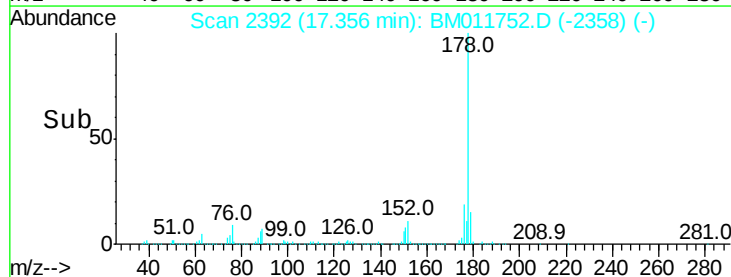
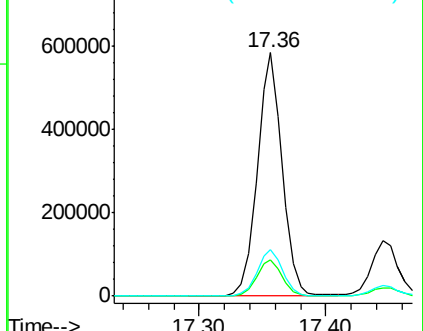
176 19.2 14.9 22.3

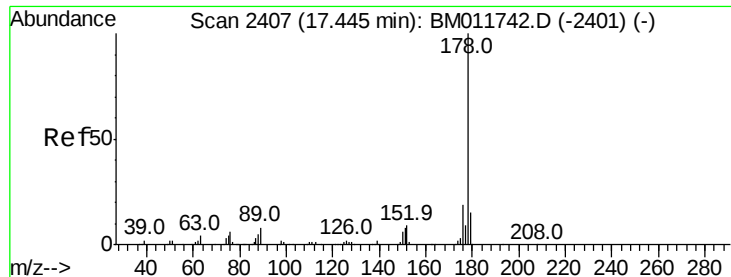


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

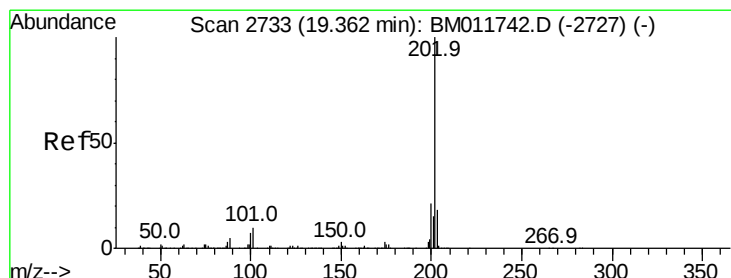
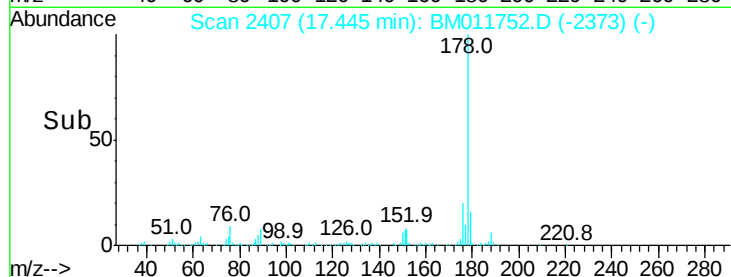
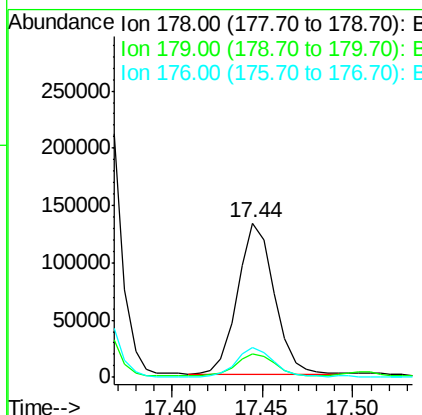
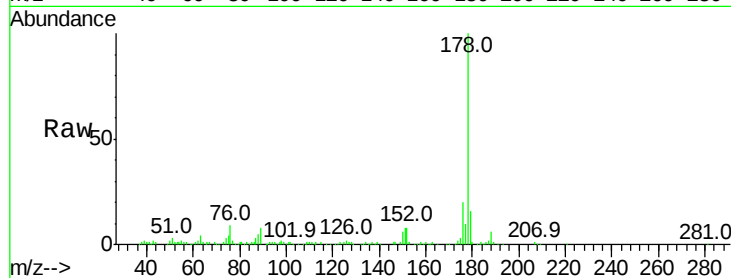




#71
 Anthracene
 Concen: 2.148 ng/ul
 RT: 17.44 min Scan# 2407
 Delta R.T. 0.00 min
 Lab File: BM011752.D
 Acq: 28 Sep 2017 08:36

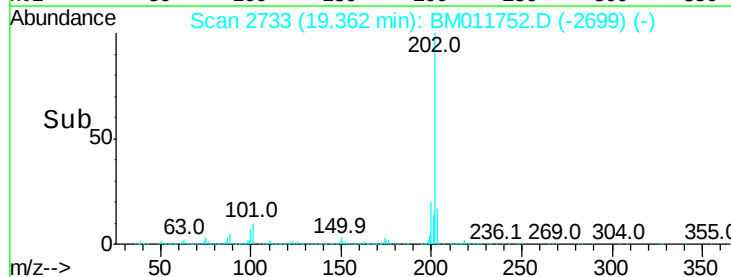
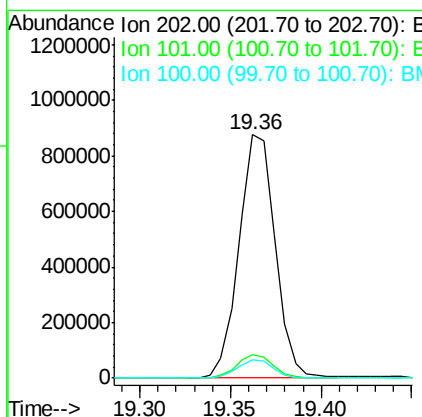
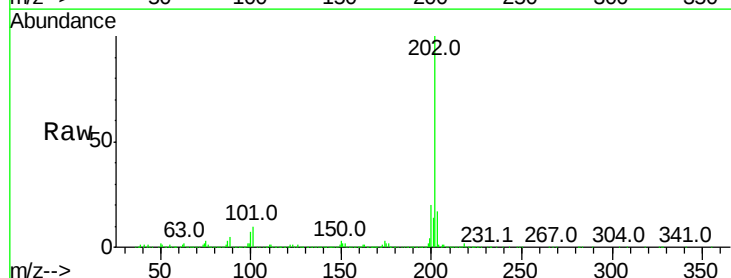
Instrument :
 BNA_M
 ClientSampleId :

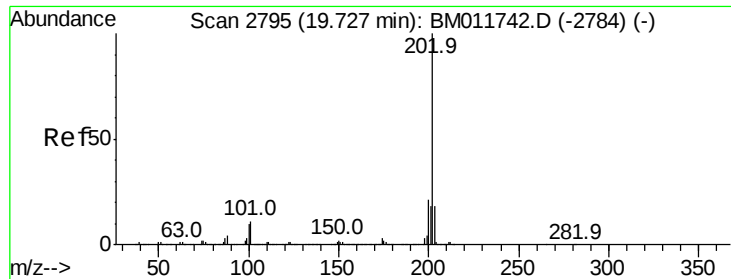
Tot Ion:178 Resp: 187035
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.7 17.5
 176 19.6 14.6 21.8



#74
 Fluoranthene
 Concen: 11.782 ng/ul
 RT: 19.36 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: BM011752.D
 Acq: 28 Sep 2017 08:36

Tgt Ion:202 Resp: 1215645
 Ion Ratio Lower Upper
 202 100
 101 9.8 4.6 7.0#
 100 7.5 3.4 5.2#





#77

Pvrene

Concen: 16.212 ng/ul

RT: 19.73 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

Instrument :

BNA_M

ClientSampleId :

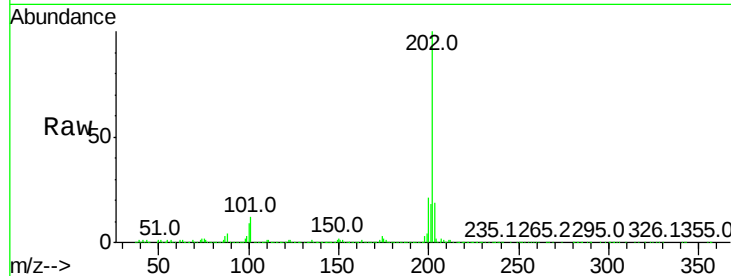
Tot Ion:202 Resp: 1130479

Ion Ratio Lower Upper

202 100

101 11.7 5.1 7.7#

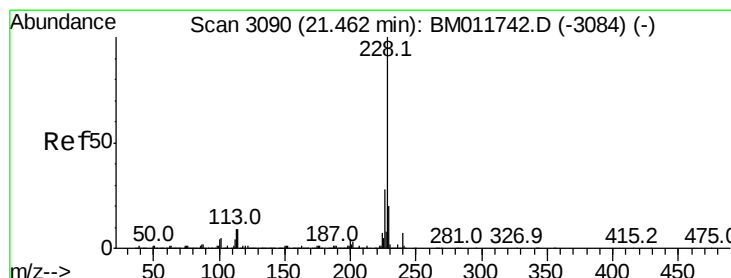
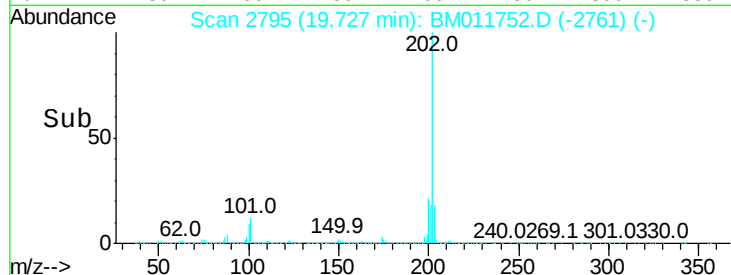
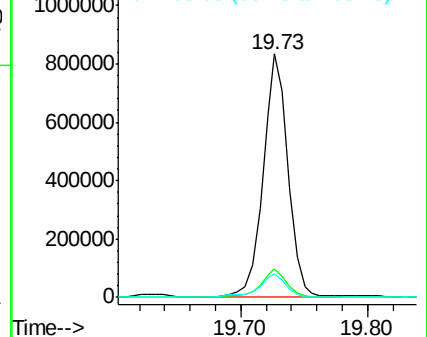
100 9.4 4.9 7.3#



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

Benzo(a)anthracene

Concen: 7.517 ng/ul

RT: 21.46 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

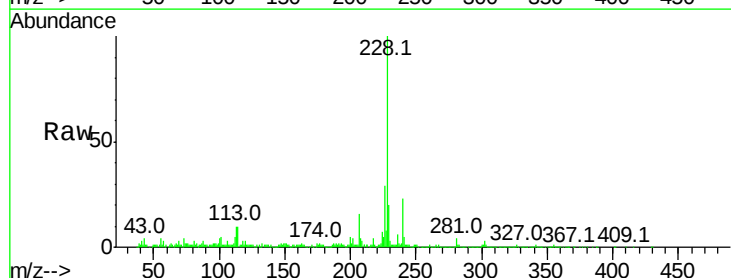
Tgt Ion:228 Resp: 492129

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

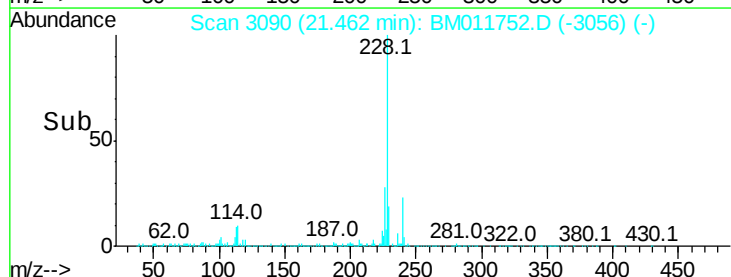
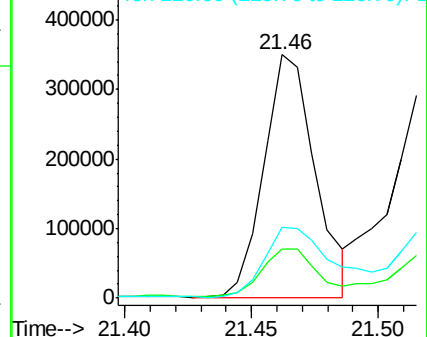
226 28.9 21.4 32.0

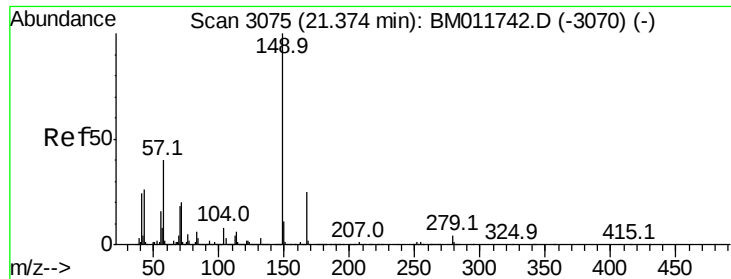


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.007 ng/ul

RT: 21.37 min Scan# 3075

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

Instrument :

BNA_M

ClientSampleId :

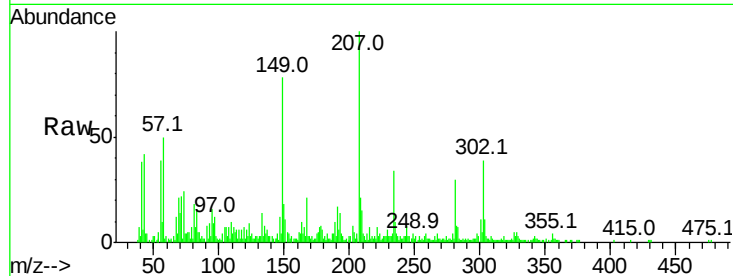
Tot Ion:149 Resp: 43830

Ion Ratio Lower Upper

149 100

167 27.0 22.8 34.2

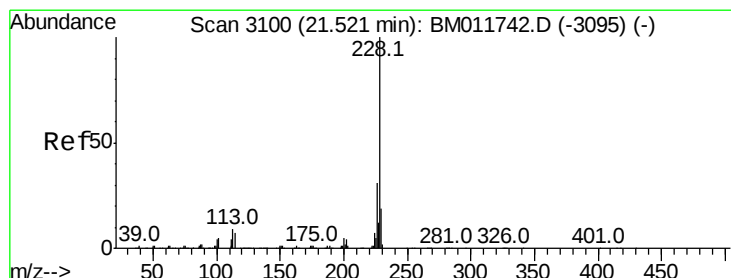
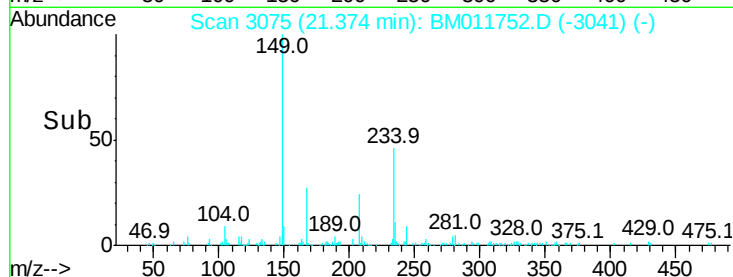
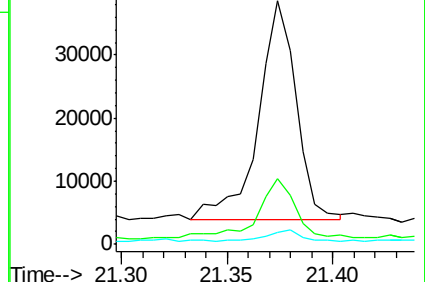
279 4.7 4.9 7.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 7.613 ng/ul

RT: 21.52 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

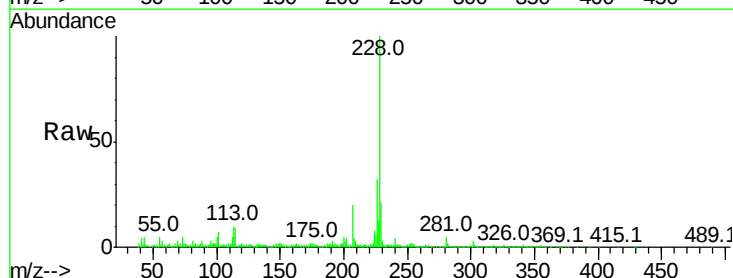
Tgt Ion:228 Resp: 470090

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.2

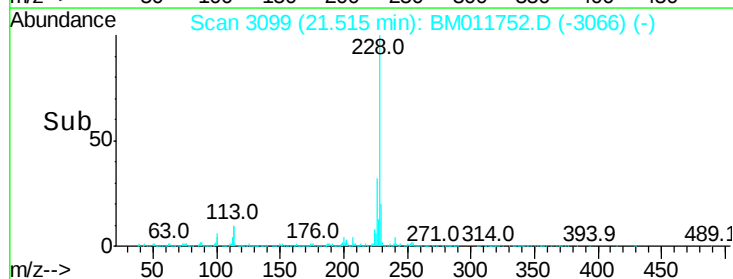
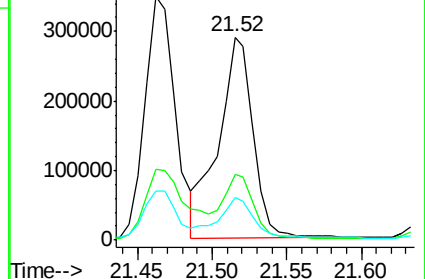
229 20.8 15.5 23.3

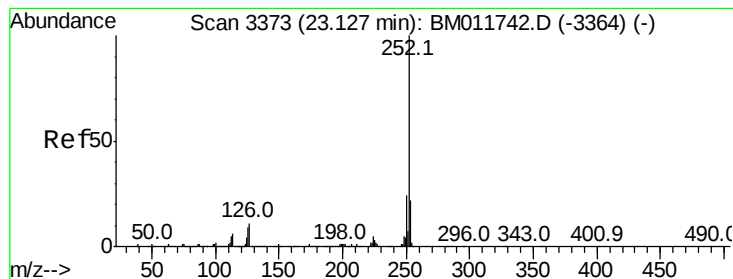


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 11.035 ng/ul

RT: 23.13 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

Instrument :

BNA_M

ClientSampleId :

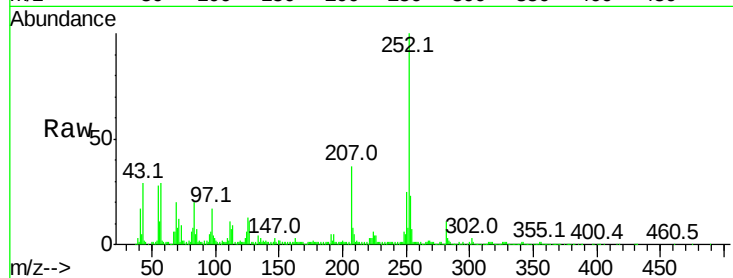
Tot Ion:252 Resp: 666527

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

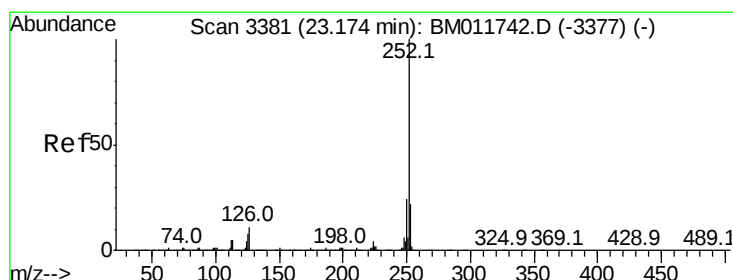
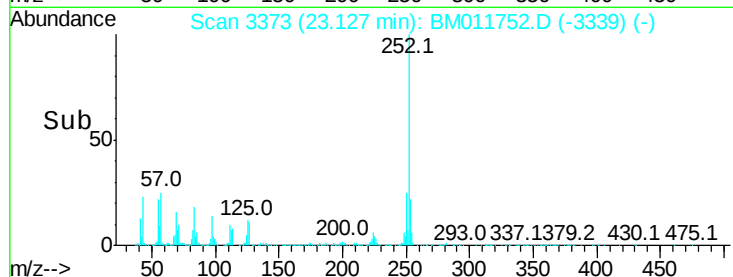
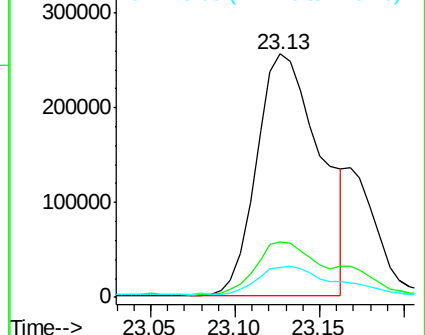
125 12.5 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 10.817 ng/ul

RT: 23.13 min Scan# 3373

Delta R.T. -0.05 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

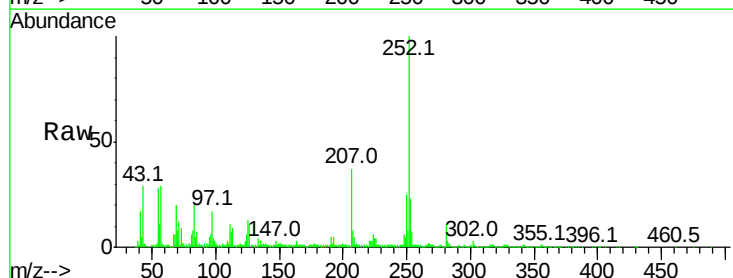
Tgt Ion:252 Resp: 666527

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

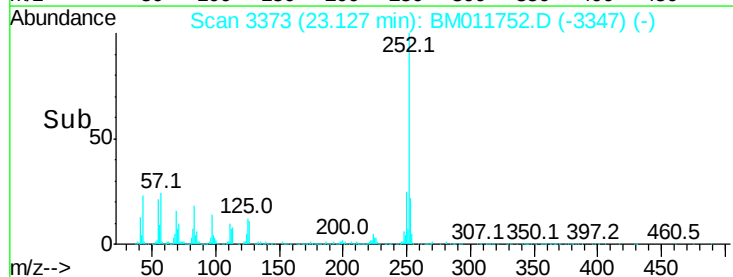
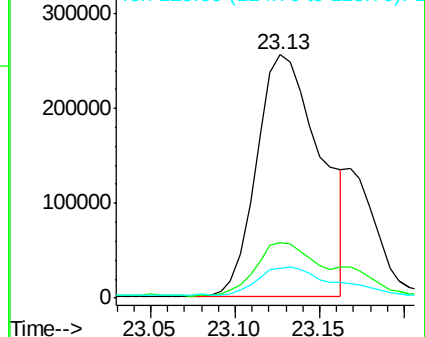
125 12.5 3.4 5.2#

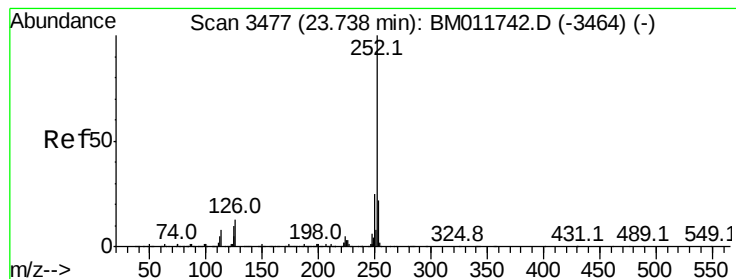


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 7.028 ng/ul

RT: 23.74 min Scan# 3477

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

Instrument :

BNA_M

ClientSampleId :

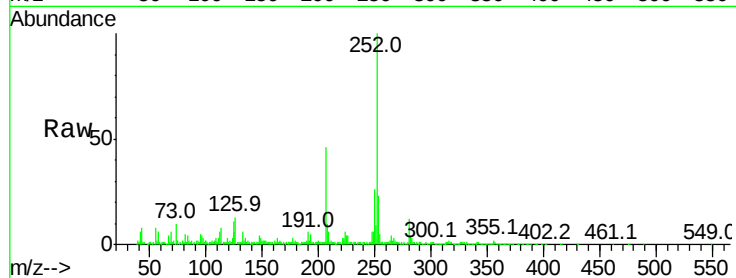
Tot Ion:252 Resp: 409991

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

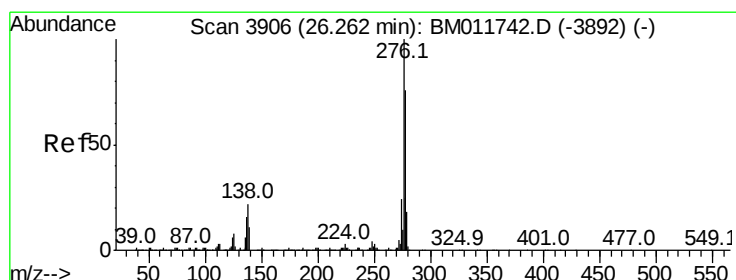
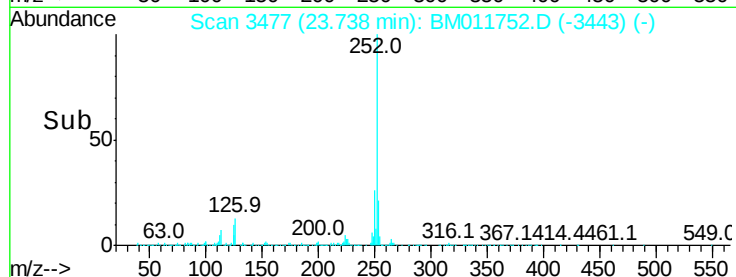
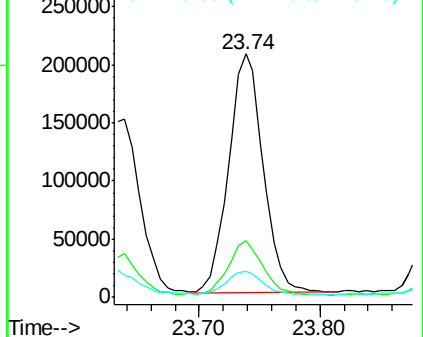
125 10.9 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 5.603 ng/ul

RT: 26.26 min Scan# 3906

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

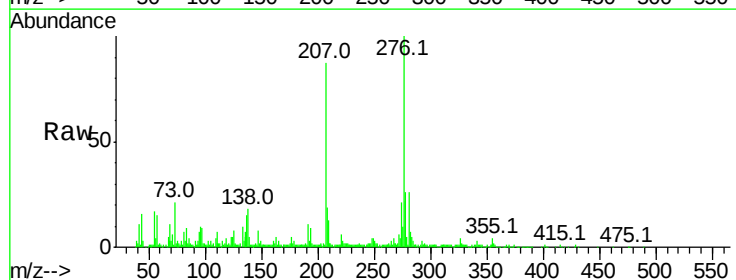
Tgt Ion:276 Resp: 340297

Ion Ratio Lower Upper

276 100

138 18.4 9.3 13.9#

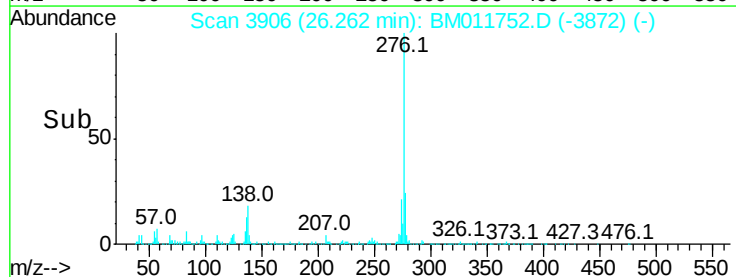
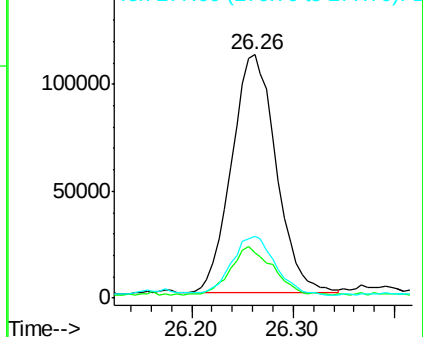
277 25.5 19.9 29.9

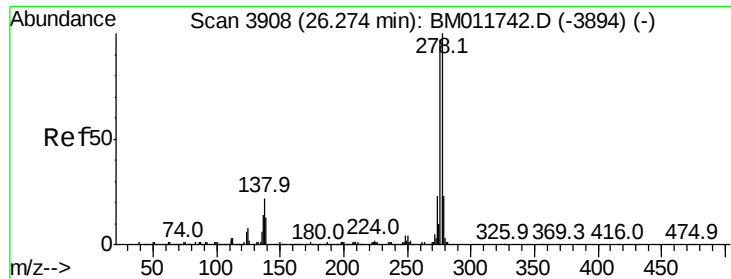


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.655 ng/ul

RT: 26.27 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

Instrument :

BNA_M

ClientSampleId :

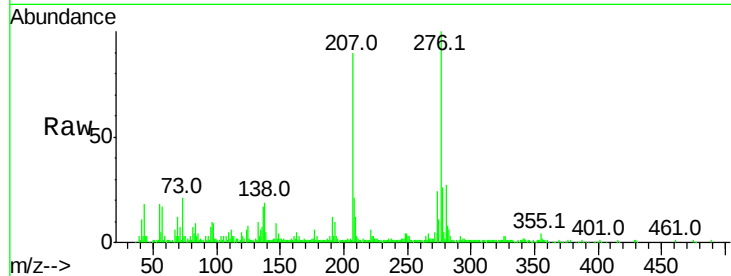
Tot Ion:278 Resp: 84167

Ion Ratio Lower Upper

278 100

139 21.6 5.8 8.8#

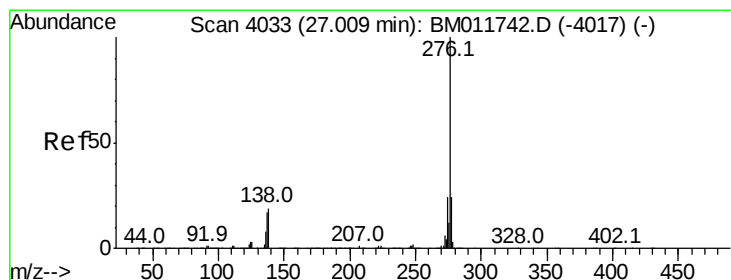
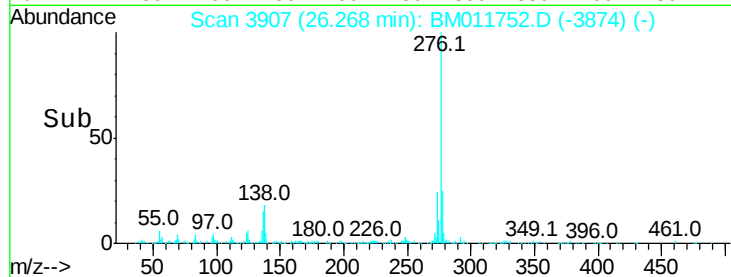
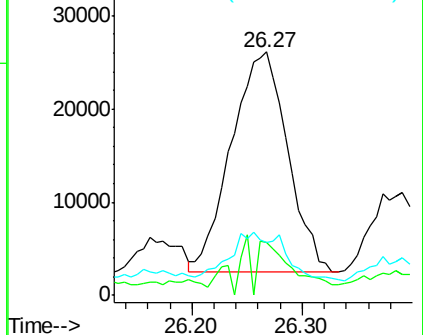
279 21.9 18.6 27.8



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



#91

Benzo(g,h,i)perylene

Concen: 6.393 ng/ul

RT: 27.01 min Scan# 4033

Delta R.T. 0.00 min

Lab File: BM011752.D

Acq: 28 Sep 2017 08:36

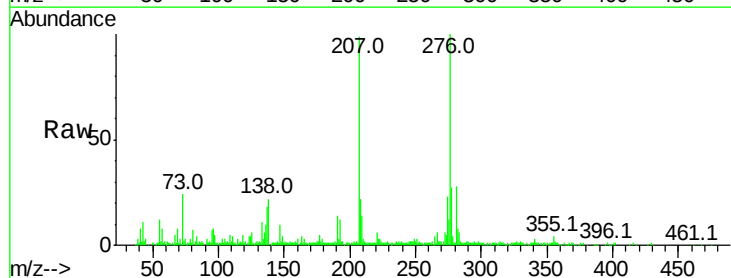
Tgt Ion:276 Resp: 322304

Ion Ratio Lower Upper

276 100

138 21.7 8.5 12.7#

277 26.8 18.6 28.0



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

