

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012835.D
 Acq On : 08 Nov 2017 23:30
 Operator : SJ/JU
 Sample : I6150-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-78(0.5-1.5)-102517

Quant Time: Nov 09 04:00:15 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	150415	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	626980	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	369689	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	759170	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	654271	20.00	ng/ul	0.00
85) Perylene-d12	23.65	264	724284	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	10861	3.90	ng/uL	0.00
5) Phenol-d5	6.98	99	251403	22.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	146327	24.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	221416	23.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	204693	21.19	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	111368	24.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	125521	23.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	242085	22.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	226808	21.63	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	763396	24.95	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	904183	23.90	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	84908	17.32	ng/ul	0.01
57) Fluorene-d10	15.43	176	637309	24.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	19625	3.92	ng/ul	0.01
70) Anthracene-d10	17.29	188	904901	24.67	ng/ul	0.00
78) Pyrene-d10	19.58	212	828430	27.29	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	861357	25.15	ng/ul	0.01

Target Compounds

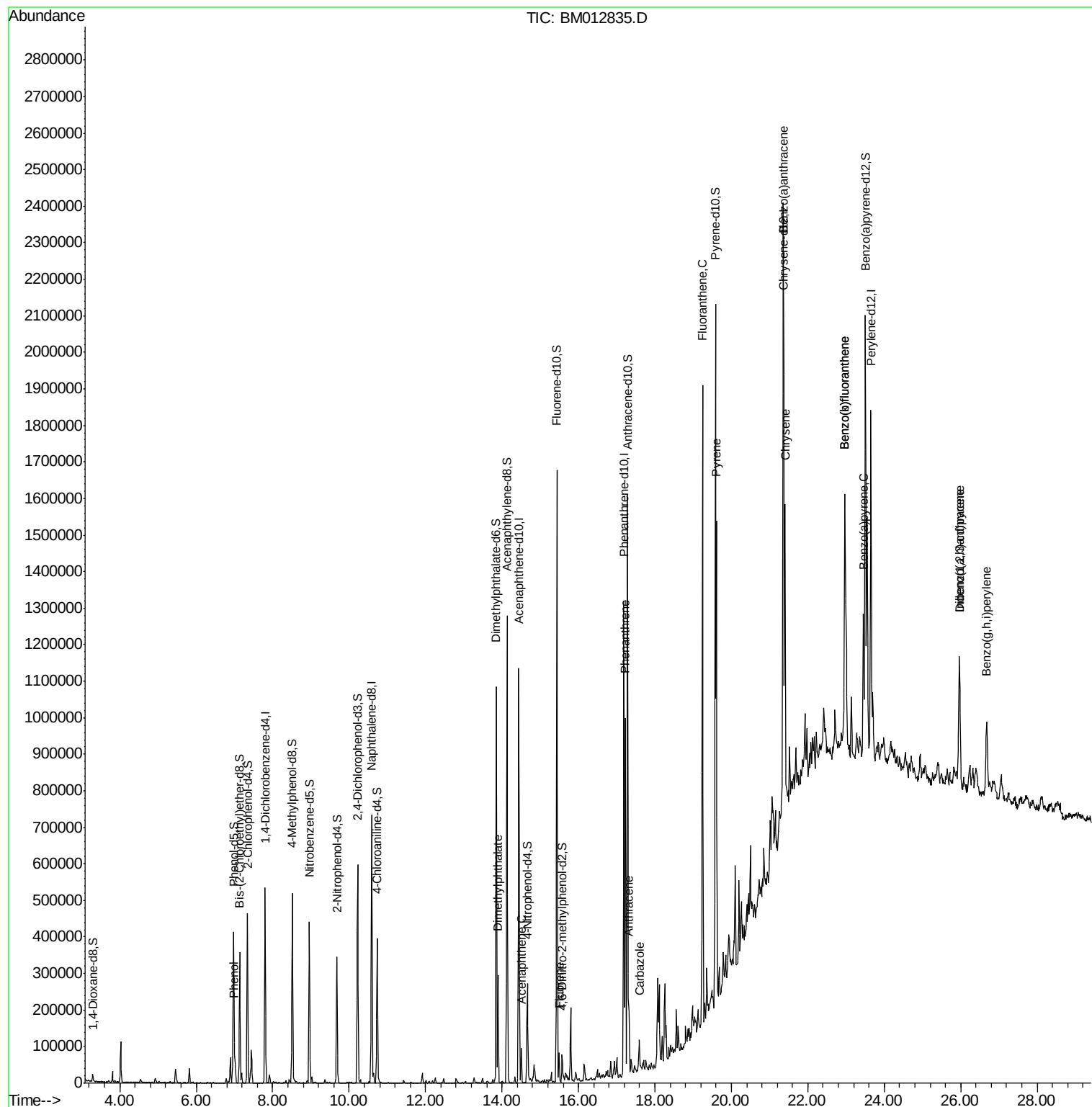
						Ovalue
6) Phenol	7.00	94	26305	2.29	ng/ul#	87
44) Dimethylphthalate	13.89	163	198321	6.53	ng/ul	98
49) Acenaphthene	14.50	153	38061	1.52	ng/ul	98
58) Fluorene	15.49	166	35693	1.18	ng/ul	94
69) Phenanthrene	17.23	178	596604	14.38	ng/ul	99
71) Anthracene	17.32	178	159728	3.71	ng/ul	97
74) Carbazole	17.59	167	46913	1.31	ng/ul	96
76) Fluoranthene	19.24	202	1013028	20.32	ng/ul#	94
79) Pyrene	19.61	202	821980	21.06	ng/ul#	93
82) Benzo(a)anthracene	21.35	228	532879	13.46	ng/ul	98
84) Chrysene	21.40	228	464560	12.95	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	694303	15.69	ng/ul	97
88) Benzo(k)fluoranthene	22.97	252	694303	16.50	ng/ul	97
90) Benzo(a)pyrene	23.46	252	299620	7.11	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.97	276	340515	6.71	ng/ul#	86
92) Dibenzo(a,h)anthracene	25.97	278	97959	2.28	ng/ul#	93
93) Benzo(g,h,i)perylene	26.68	276	266618	6.37	ng/ul#	89

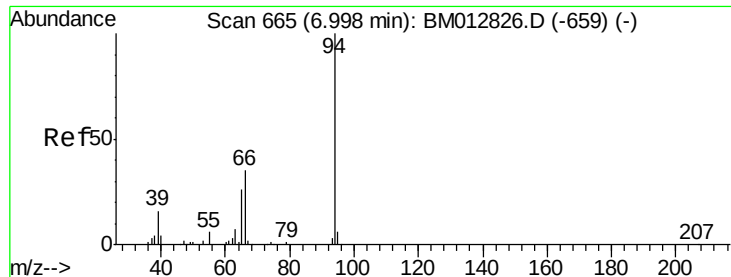
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.29 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

Instrument :

BNA_M

ClientSampleId :

B-78(0.5-1.5)-102517

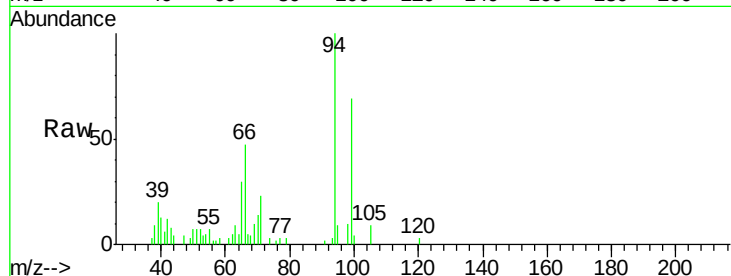
Tot Ion: 94 Resp: 26305

Ion Ratio Lower Upper

94 100

65 29.7 21.0 31.6

66 46.7 29.3 43.9#



Abundance Ion 94.00 (93.70 to 94.70): BM012826.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BM012826.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BM012826.D (-659) (-)

Time-->

7.00

15000

10000

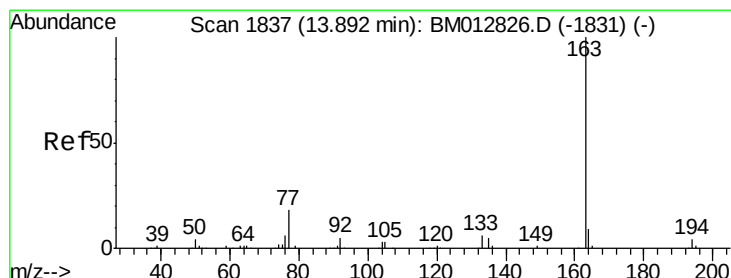
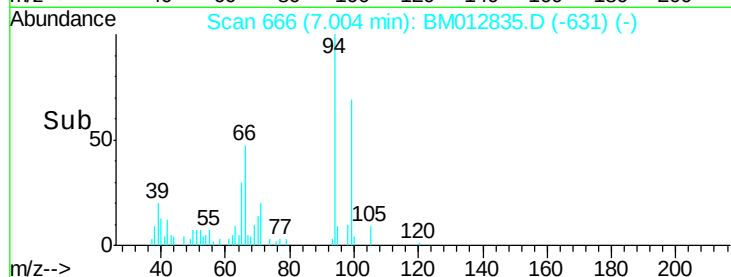
5000

0

6.95

7.00

7.05



#44

Dimethylphthalate

Concen: 6.53 ng/ul

RT: 13.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

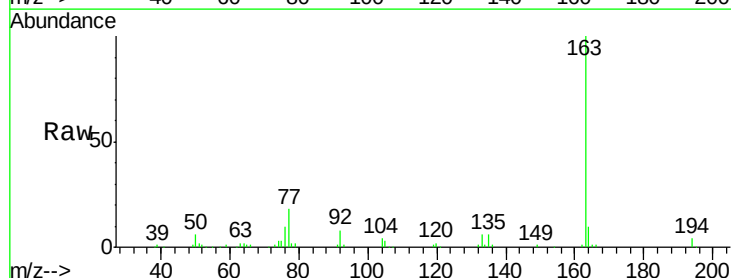
Tgt Ion: 163 Resp: 198321

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): BM012826.D (-1831) (-)

Ion 194.00 (193.70 to 194.70): BM012826.D (-1831) (-)

Ion 164.00 (163.70 to 164.70): BM012826.D (-1831) (-)

Time-->

13.89

150000

100000

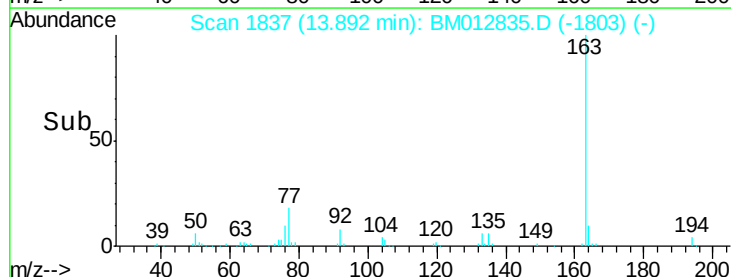
50000

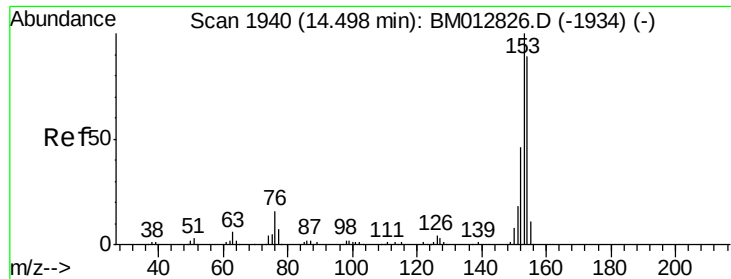
0

13.85

13.90

13.95





#49

Acenaphthene

Concen: 1.52 ng/ul

RT: 14.50 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

Instrument :

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ClientSampleId :

B-78(0.5-1.5)-102517

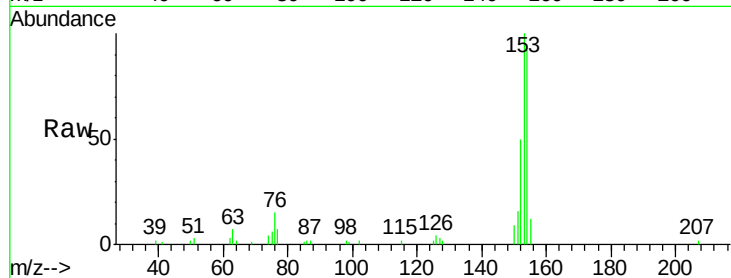
Tot Ion:153 Resp: 38061

Ion Ratio Lower Upper

153 100

152 50.0 38.3 57.5

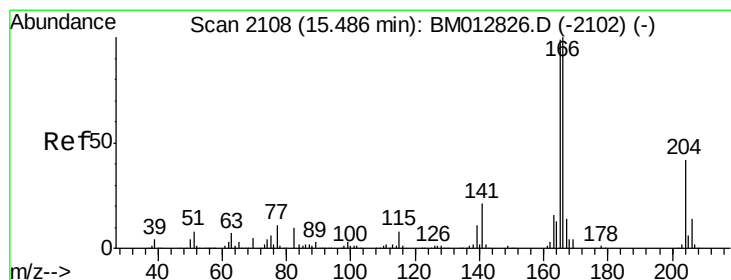
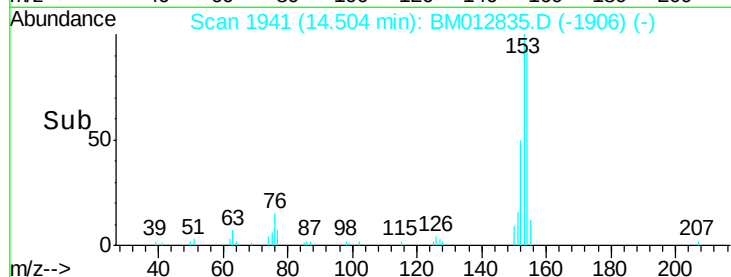
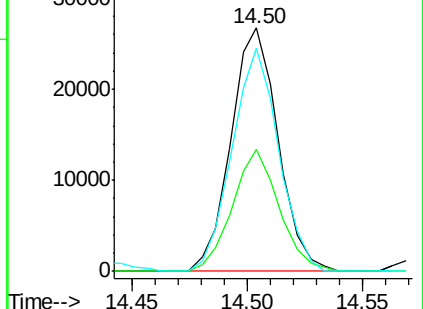
154 91.6 71.8 107.8



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



#58

Fluorene

Concen: 1.18 ng/ul

RT: 15.49 min Scan# 2109

Delta R.T. 0.01 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

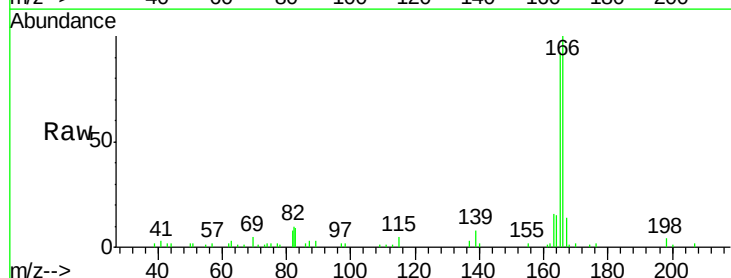
Tgt Ion:166 Resp: 35693

Ion Ratio Lower Upper

166 100

165 91.6 78.5 117.7

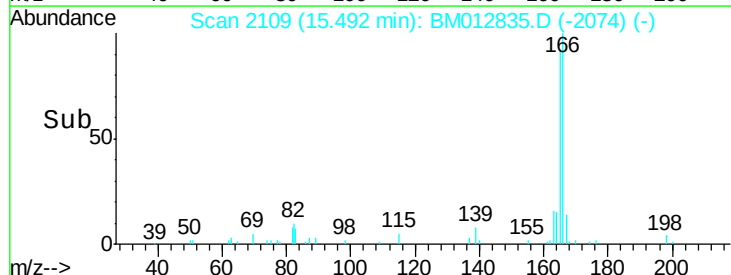
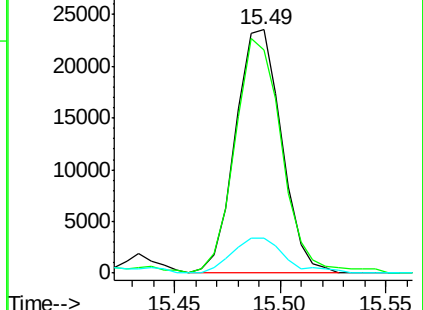
167 14.5 10.7 16.1

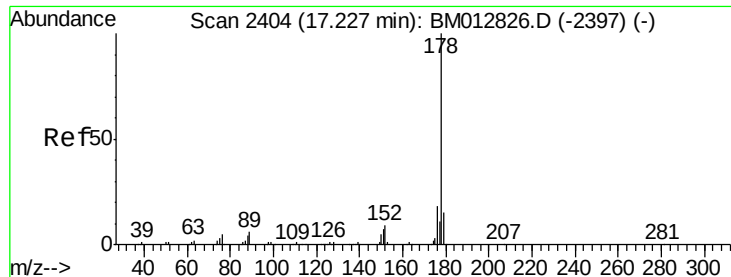


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 14.38 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

Instrument :

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B-78(0.5-1.5)-102517

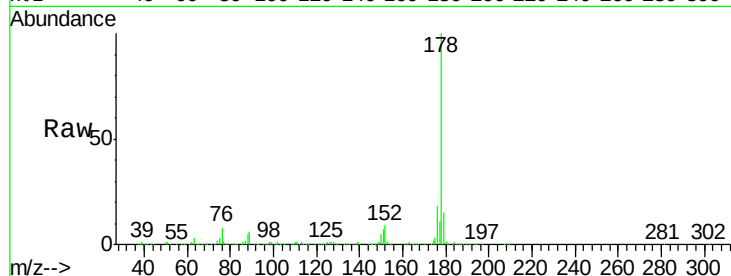
Tot Ion:178 Resp: 596604

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

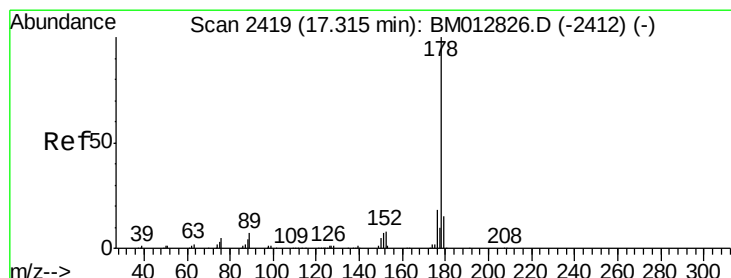
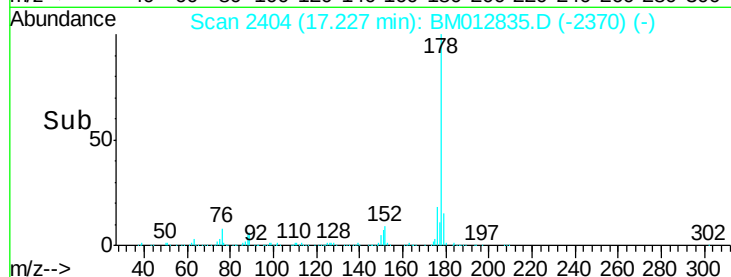
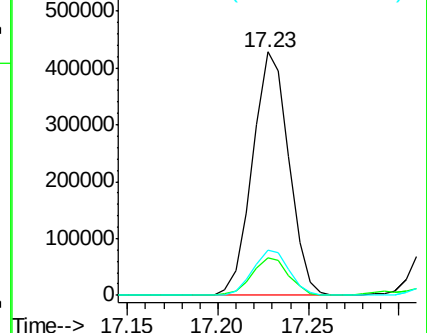
176 18.4 15.6 23.4



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: 3.71 ng/ul

RT: 17.32 min Scan# 2419

Delta R.T. 0.00 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

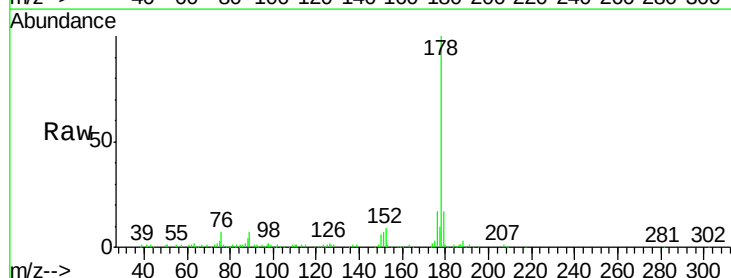
Tgt Ion:178 Resp: 159728

Ion Ratio Lower Upper

178 100

179 16.7 12.1 18.1

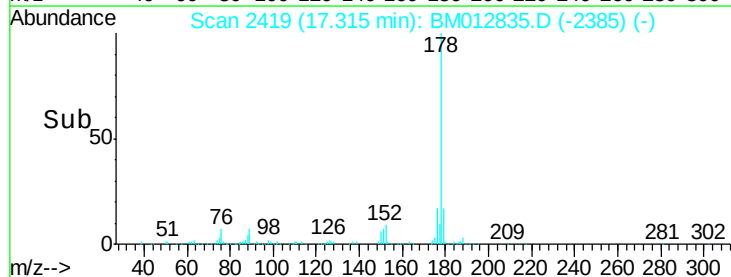
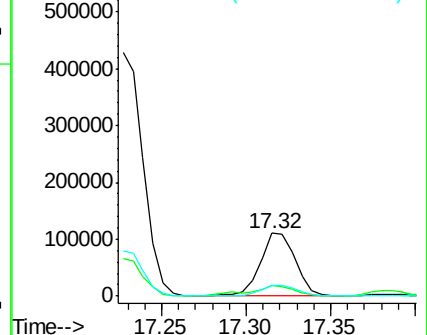
176 17.2 14.8 22.2

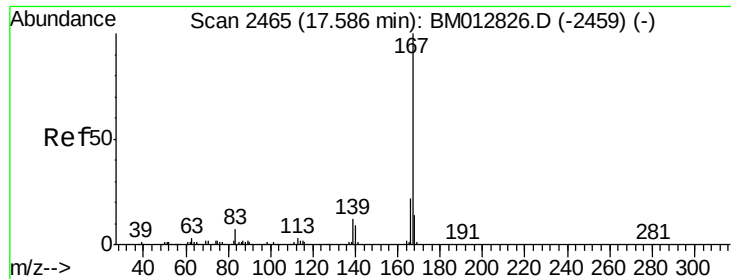


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.31 ng/ul

RT: 17.59 min Scan# 2466

Delta R.T. 0.01 min

Lab File: BM012835.D

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B-78(0.5-1.5)-102517

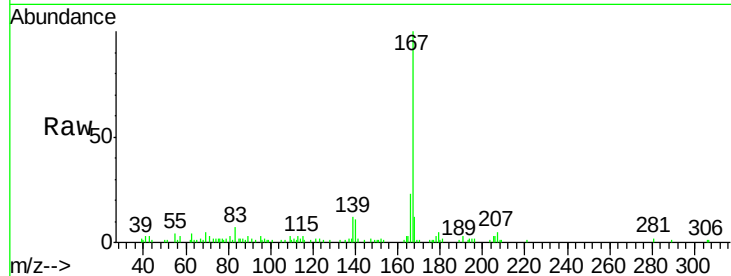
Tot Ion:167 Resp: 46913

Ion Ratio Lower Upper

167 100

166 23.4 17.0 25.6

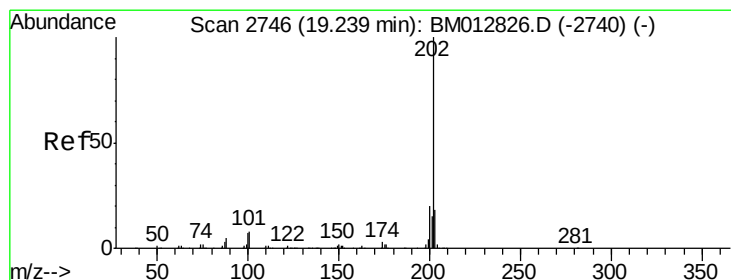
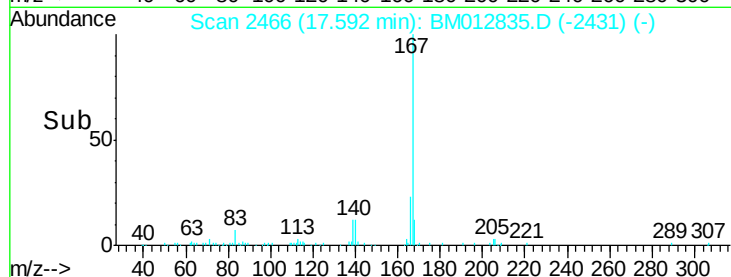
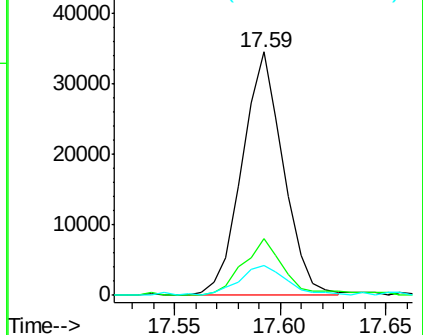
139 12.0 11.0 16.4



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



#76

Fluoranthene

Concen: 20.32 ng/ul

RT: 19.24 min Scan# 2747

Delta R.T. 0.01 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

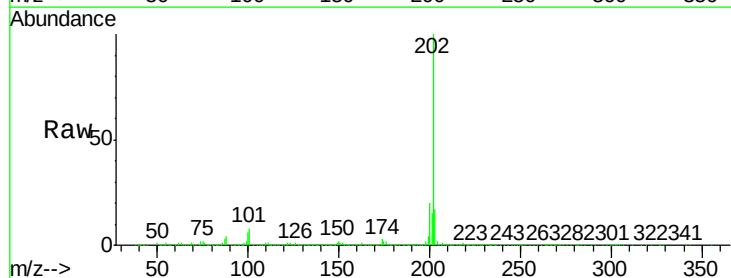
Tgt Ion:202 Resp: 1013028

Ion Ratio Lower Upper

202 100

101 8.4 8.8 13.2#

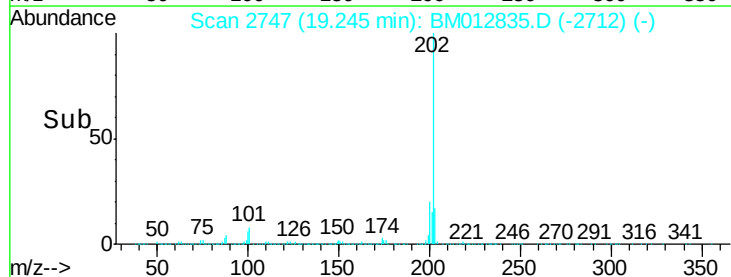
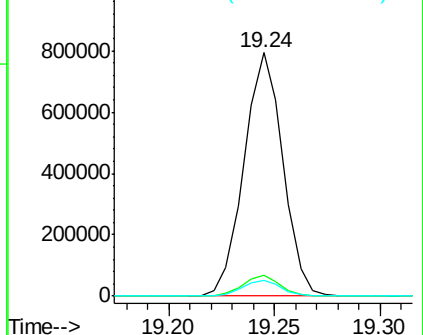
100 6.3 6.6 9.8#

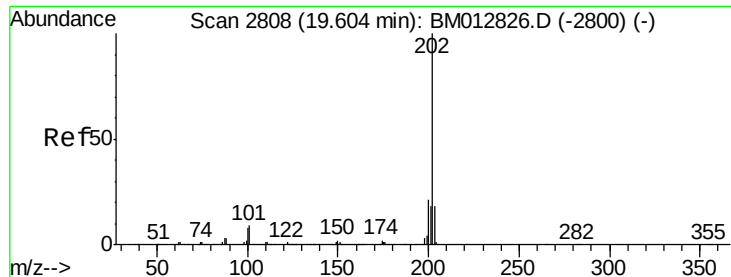


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 21.06 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. 0.01 min

Lab File: BM012835.D

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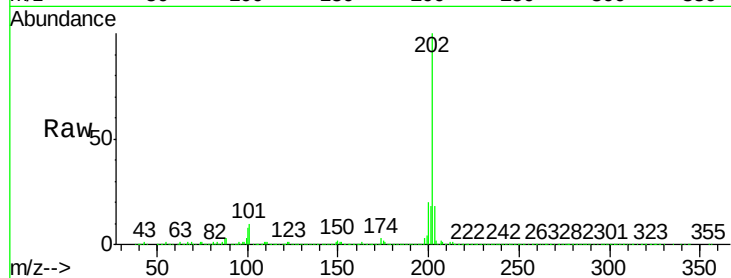
Tot Ion:202 Resp: 821980

Ion Ratio Lower Upper

202 100

101 9.9 10.2 15.2#

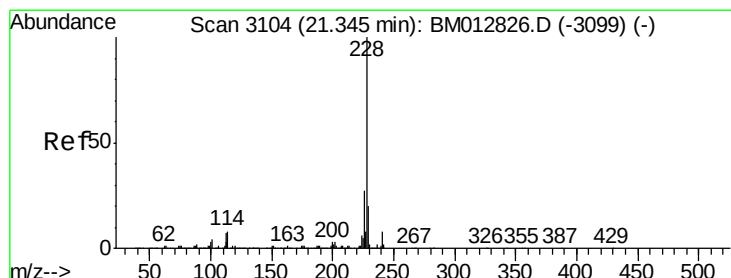
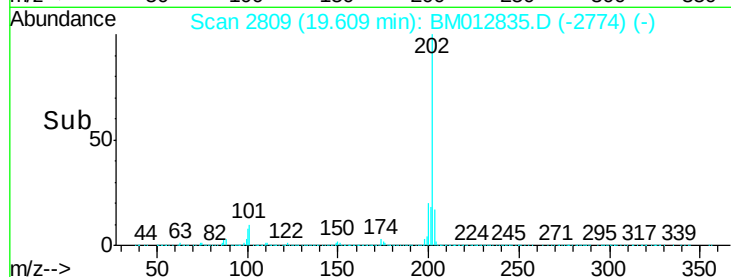
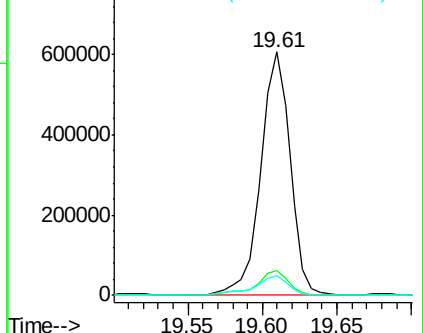
100 8.3 8.5 12.7#



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



#82

Benzo(a)anthracene

Concen: 13.46 ng/ul

RT: 21.35 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

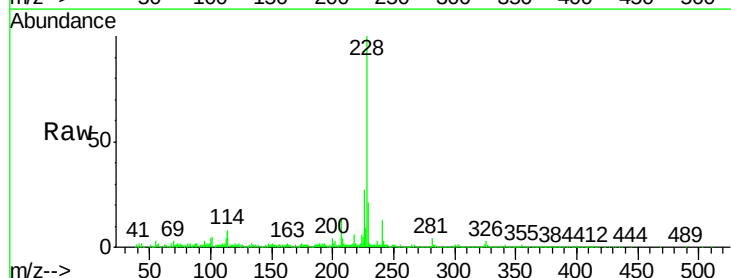
Tgt Ion:228 Resp: 532879

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

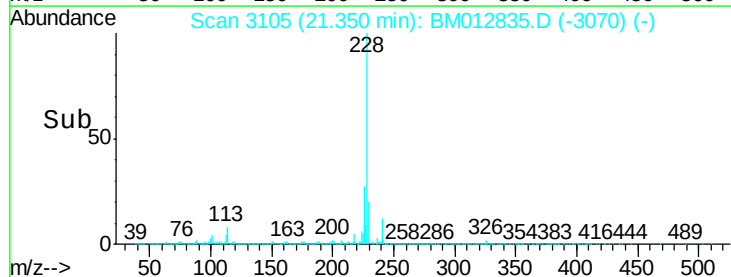
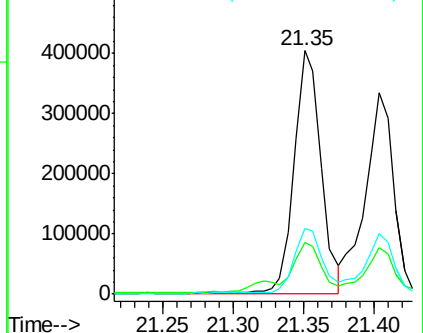
226 27.0 21.8 32.6

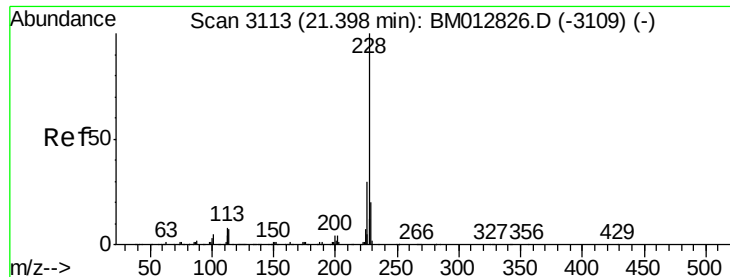


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 12.95 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

Instrument :

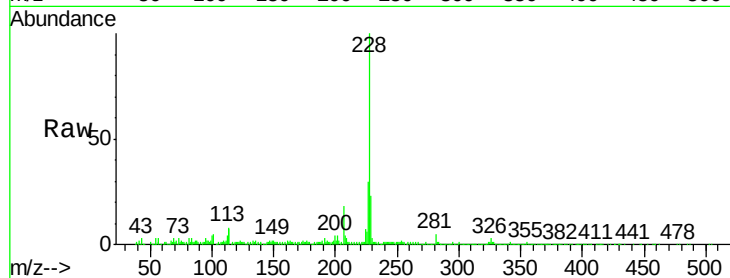
BNA_M

ClientSampleId :

B-78(0.5-1.5)-102517

Tot Ion:228 Resp: 464560

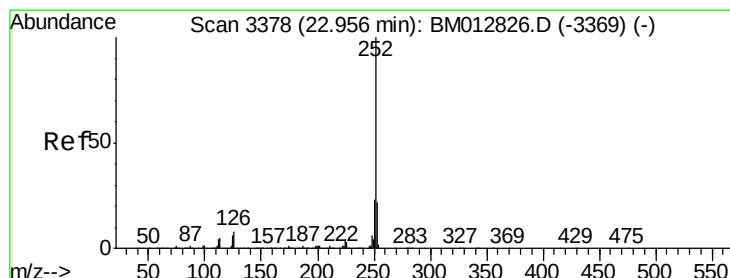
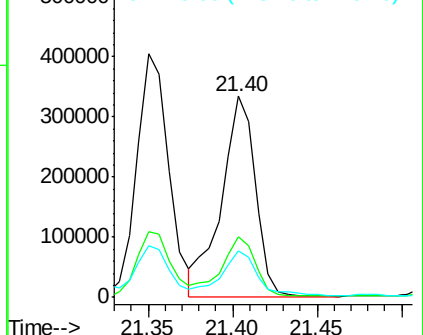
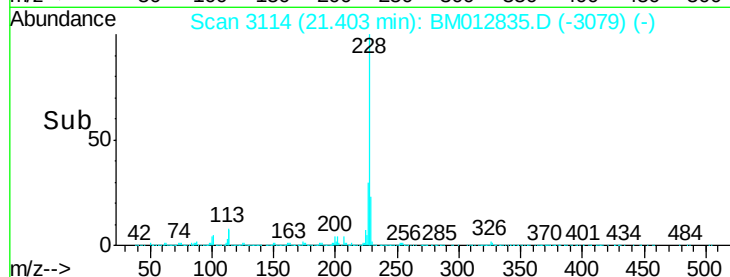
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	23.3	15.6	23.4



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



#87

Benzo(b)fluoranthene

Concen: 15.69 ng/ul

RT: 22.97 min Scan# 3380

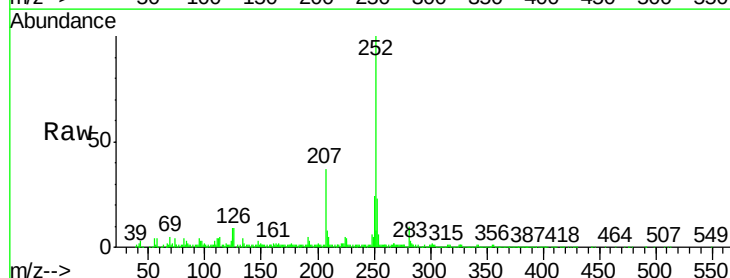
Delta R.T. 0.01 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

Tgt Ion:252 Resp: 694303

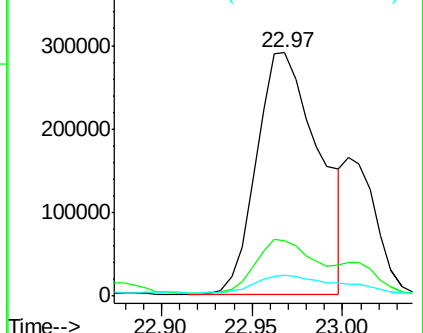
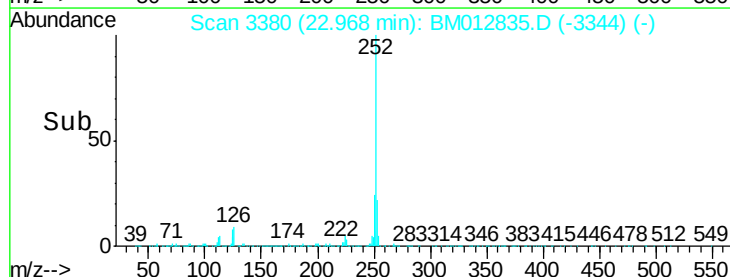
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	8.8	8.5	12.7

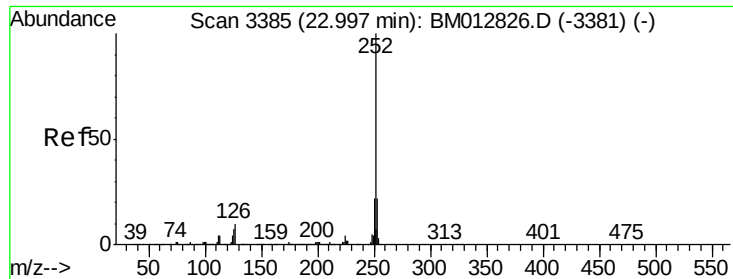


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 16.50 ng/ul

RT: 22.97 min Scan# 3380

Delta R.T. -0.03 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

Instrument :

BNA_M

ClientSampleId :

B-78(0.5-1.5)-102517

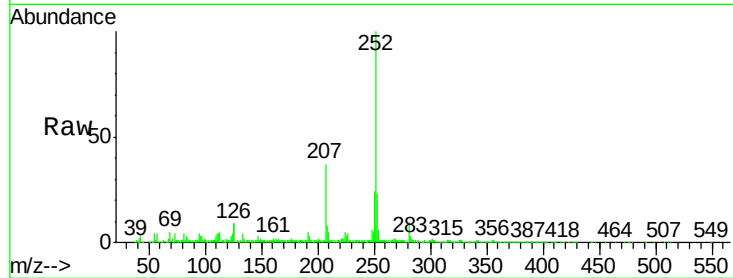
Tot Ion:252 Resp: 694303

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

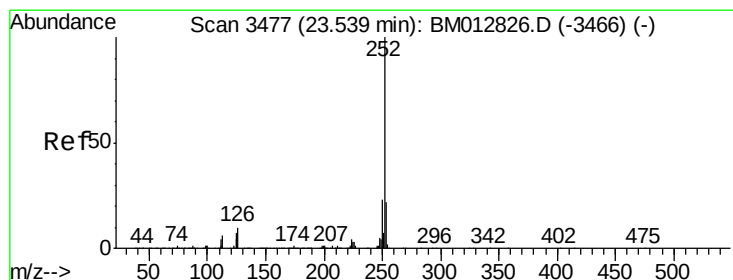
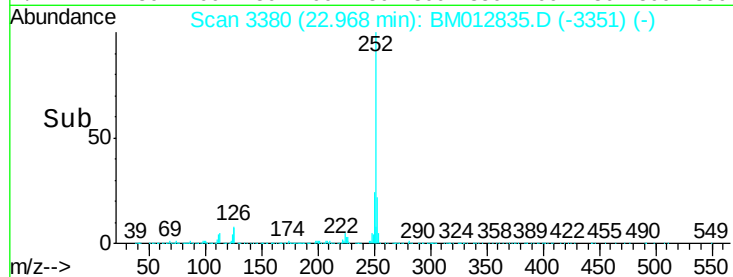
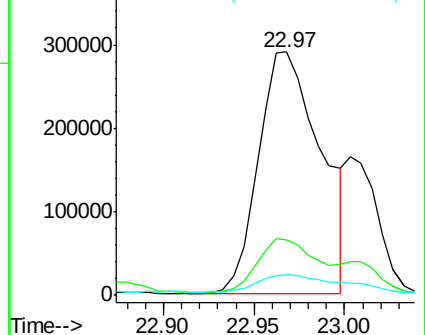
125 8.8 8.2 12.2



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: 7.11 ng/ul

RT: 23.46 min Scan# 3463

Delta R.T. -0.08 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

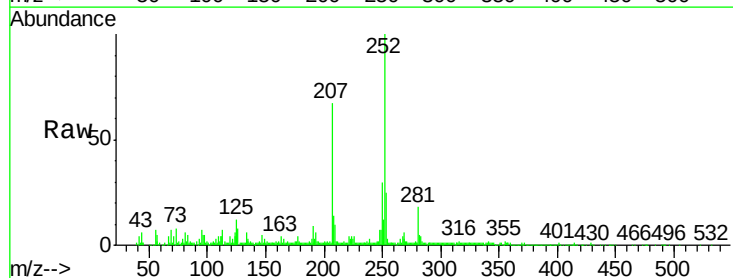
Tgt Ion:252 Resp: 299620

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

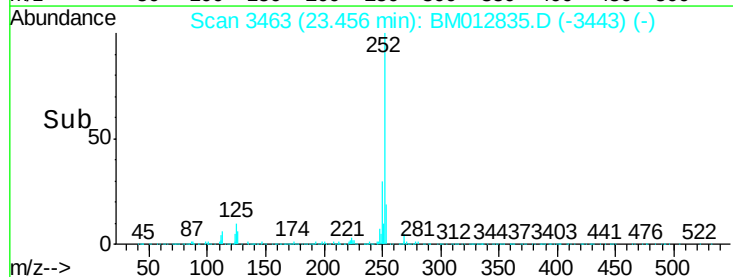
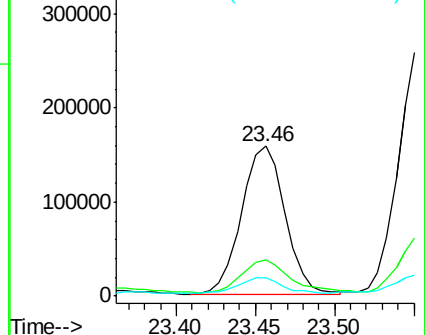
125 12.1 9.0 13.6

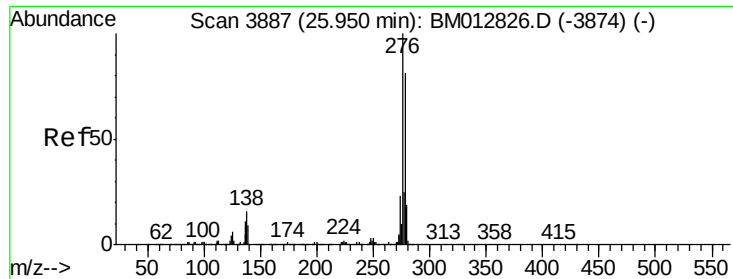


Abundance Ion 252.00 (251.70 to 252.70): E

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: 6.71 ng/ul

RT: 25.97 min Scan# 3890

Delta R.T. 0.02 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

Instrument :

BNA_M

ClientSampleId :

B-78(0.5-1.5)-102517

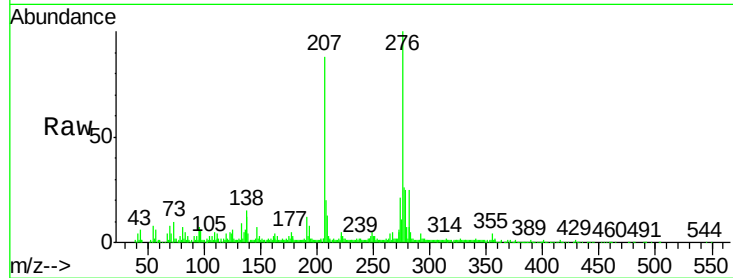
Tot Ion:276 Resp: 340515

Ion Ratio Lower Upper

276 100

138 14.5 22.3 33.5#

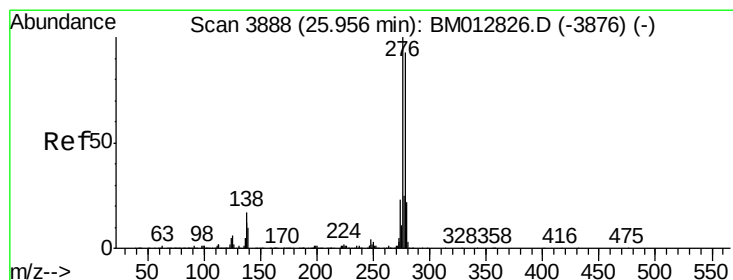
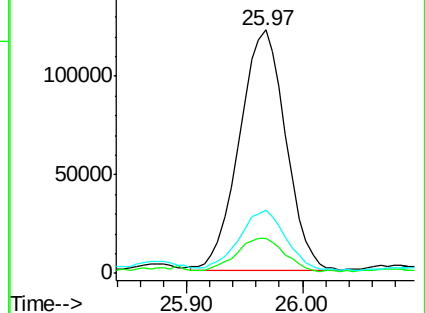
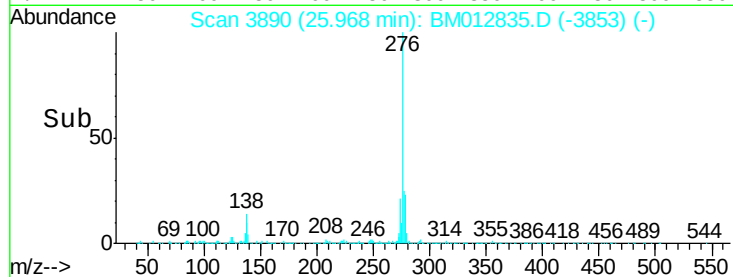
277 25.7 20.2 30.2



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: 2.28 ng/ul

RT: 25.97 min Scan# 3890

Delta R.T. 0.01 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

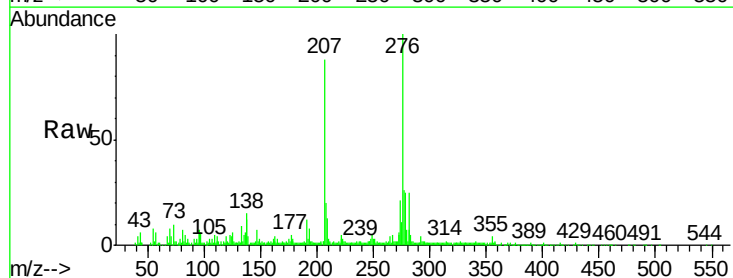
Tgt Ion:278 Resp: 97959

Ion Ratio Lower Upper

278 100

139 16.4 13.9 20.9

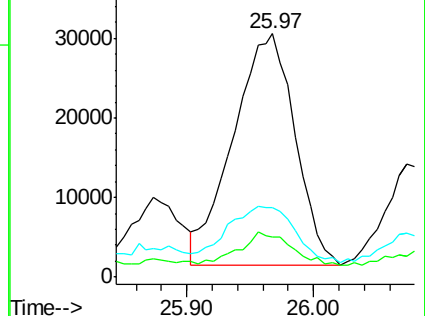
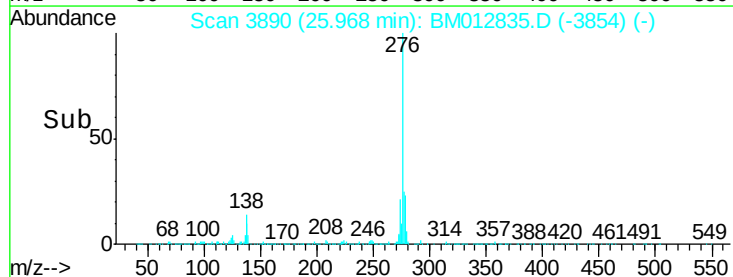
279 28.8 19.0 28.4#

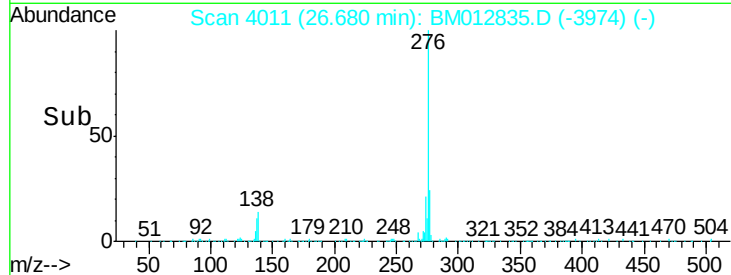
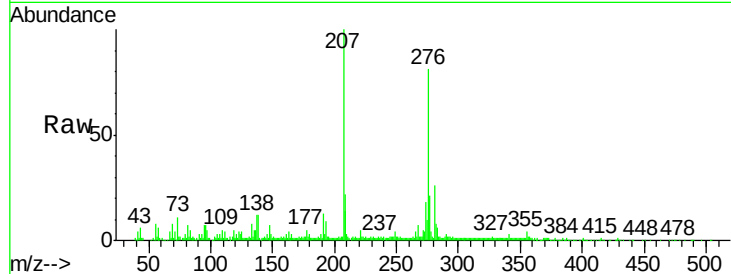
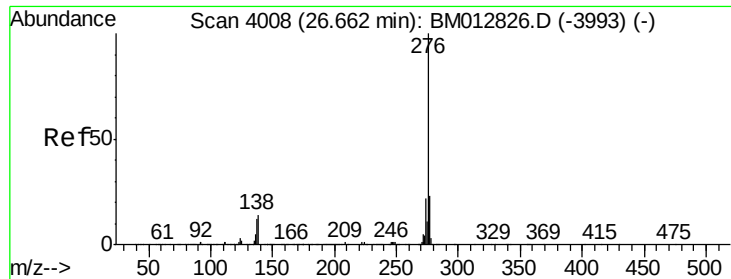


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 6.37 ng/ul

RT: 26.68 min Scan# 4011

Delta R.T. 0.02 min

Lab File: BM012835.D

Acq: 08 Nov 2017 23:30

Instrument :

BNA_M

ClientSampleId :

B-78(0.5-1.5)-102517

Tot Ion:276 Resp: 266618

Ion Ratio Lower Upper

276 100

138 14.4 18.9 28.3#

277 25.7 19.2 28.8

