

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101018\
 Data File : BM017098.D
 Acq On : 10 Oct 2018 15:08
 Operator : MJ/SJ
 Sample : J5295-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 11 04:14:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 11 04:10:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	221768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	952213	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.33	164	474306	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.08	188	961232	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	1019177	20.00	ng/ul	0.00
86) Perylene-d12	23.50	264	1121074	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	16220	3.64	ng/uL	0.00
5) Phenol-d5	6.87	99	358604	19.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	253603	22.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	334975	21.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	230066	15.84	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	159668	22.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	150588	21.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	308919	21.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	144739	8.27	ng/ul	0.00
44) Dimethylphthalate-d6	13.75	166	934623	24.84	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	1227956	25.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	53477	7.52	ng/ul	0.00
58) Fluorene-d10	15.33	176	857037	25.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	55938	9.87	ng/ul	0.00
71) Anthracene-d10	17.18	188	1201710	26.17	ng/ul	0.00
79) Pyrene-d10	19.48	212	1335034	29.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.36	264	1580914	27.55	ng/ul	0.01

Target Compounds

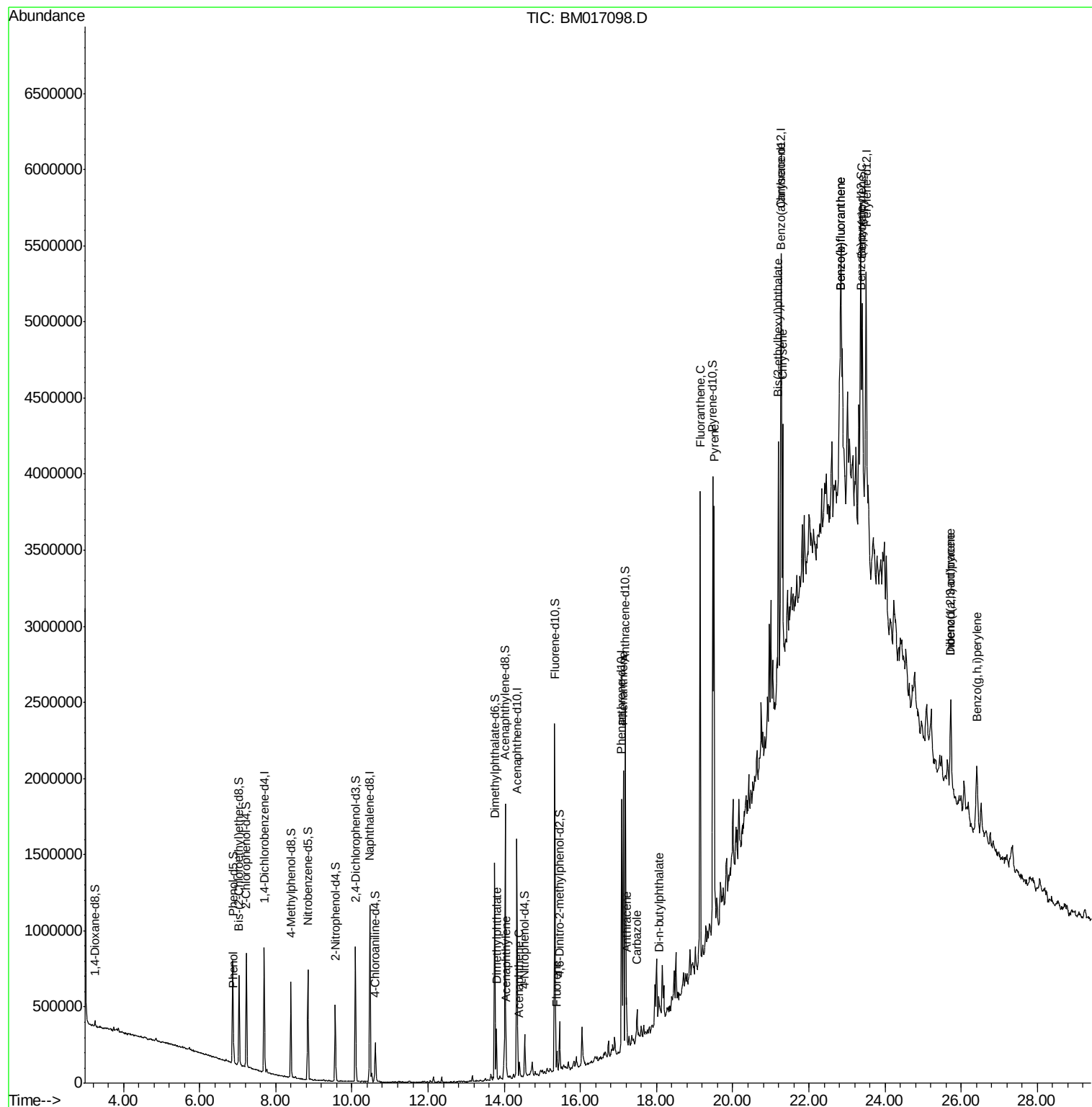
					Ovalue
6) Phenol	6.89	94	48648	2.623	ng/ul 95
45) Dimethylphthalate	13.79	163	193773	5.200	ng/ul 99
48) Acenaphthylene	14.05	152	66969	1.454	ng/ul 99
50) Acenaphthene	14.39	153	37487	1.145	ng/ul 94
59) Fluorene	15.38	166	52309	1.388	ng/ul 99
70) Phenanthrene	17.12	178	1069227	19.838	ng/ul 100
72) Anthracene	17.22	178	197696	3.610	ng/ul 99
75) Carbazole	17.49	167	95424	2.013	ng/ul 99
76) Di-n-butylphthalate	18.06	149	93763	1.769	ng/ul# 96
77) Fluoranthene	19.14	202	1790474	28.679	ng/ul 100
80) Pyrene	19.51	202	1671489	28.305	ng/ul 97
83) Benzo(a)anthracene	21.26	228	825757	13.506	ng/ul 96
84) Bis(2-ethylhexyl)phthalate	21.20	149	569467	18.033	ng/ul 98
85) Chrysene	21.31	228	887771	15.013	ng/ul 98
88) Benzo(b)fluoranthene	22.84	252	1214664	18.196	ng/ul# 91
89) Benzo(k)fluoranthene	22.84	252	1214664	18.940	ng/ul# 91
91) Benzo(a)pyrene	23.40	252	801614	12.460	ng/ul# 93
92) Indeno(1,2,3-cd)pyrene	25.73	276	567323	7.469	ng/ul 96
93) Dibenzo(a,h)anthracene	25.73	278	152487	2.412	ng/ul# 81
94) Benzo(g,h,i)perylene	26.41	276	546249	8.637	ng/ul 96

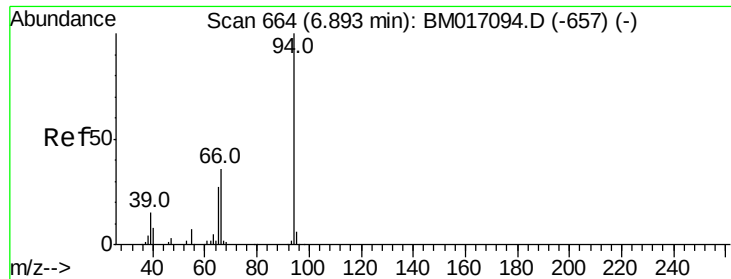
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.623 ng/ul

RT: 6.89 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

ClientSampleId :

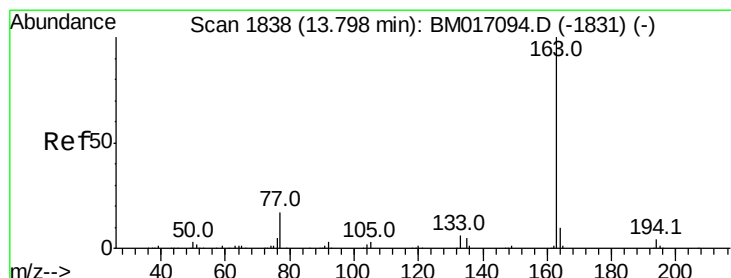
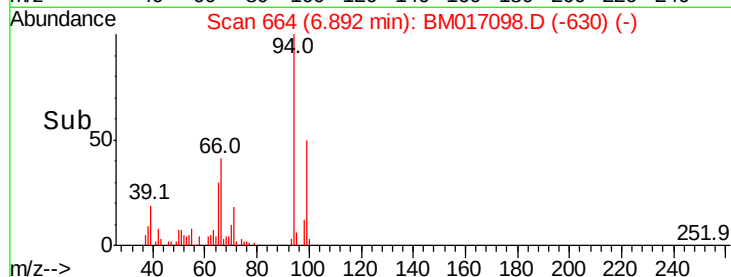
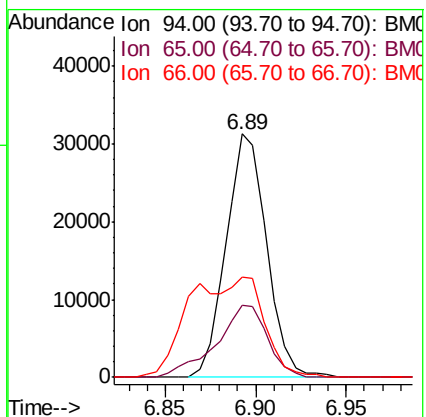
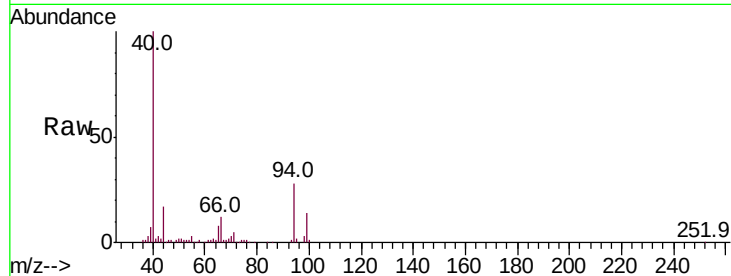
Tot Ion: 94 Resp: 48648

Ion Ratio Lower Upper

94 100

65 29.5 22.8 34.2

66 41.0 29.5 44.3



#45

Dimethylphthalate

Concen: 5.200 ng/ul

RT: 13.79 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

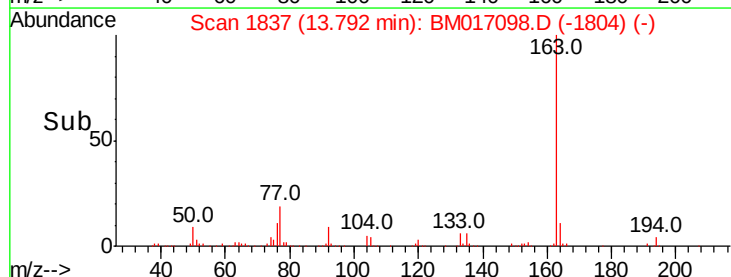
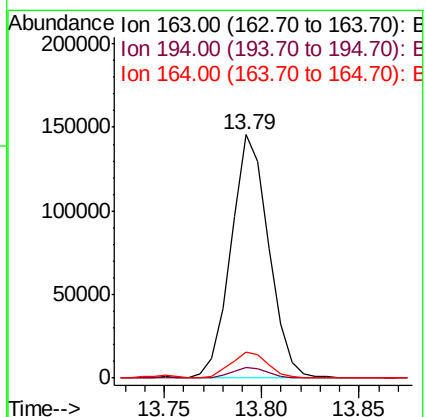
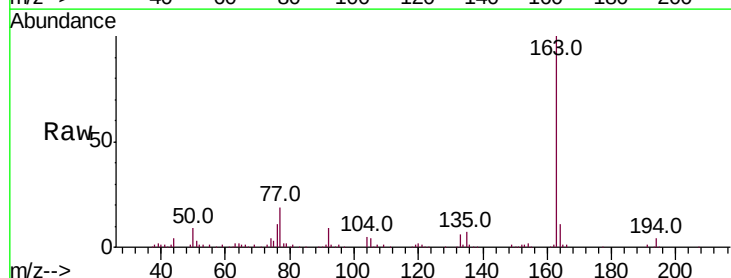
Tgt Ion: 163 Resp: 193773

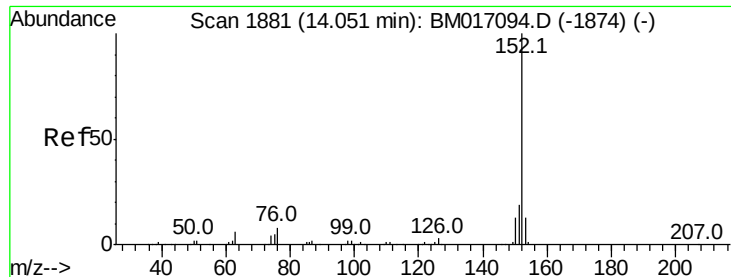
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

164 10.6 8.0 12.0





#48

Acenaphthylene

Concen: 1.454 ng/ul

RT: 14.05 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

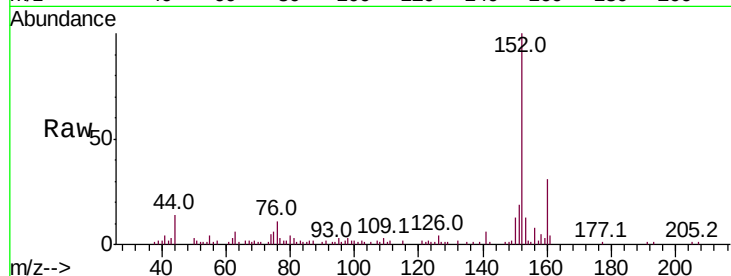
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 66969

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	13.1	10.2	15.4

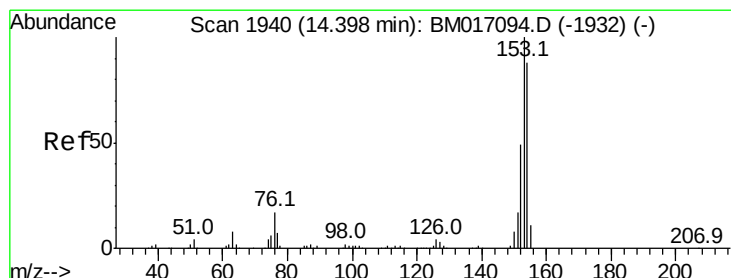
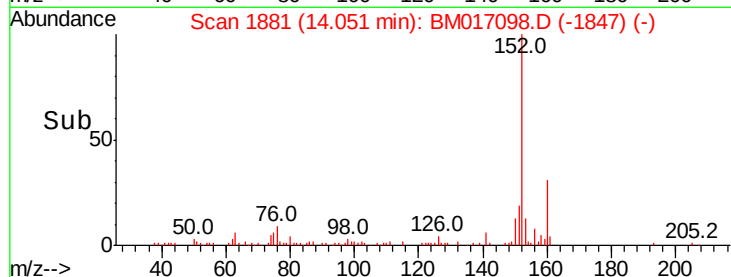
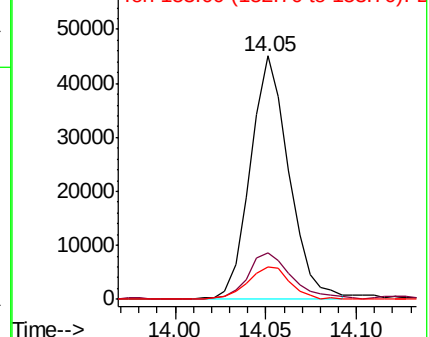


Abundance

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



#50

Acenaphthene

Concen: 1.145 ng/ul

RT: 14.39 min Scan# 1939

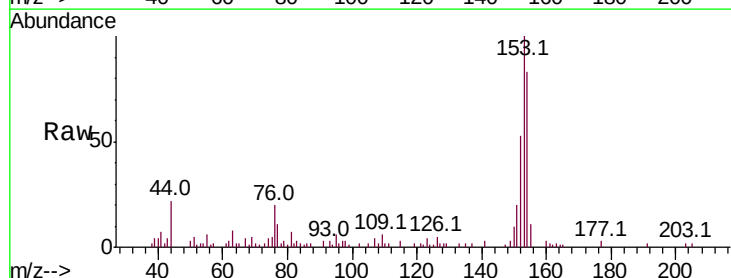
Delta R.T. -0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Tgt Ion:153 Resp: 37487

Ion	Ratio	Lower	Upper
153	100		
152	52.9	38.3	57.5
154	83.4	71.0	106.6

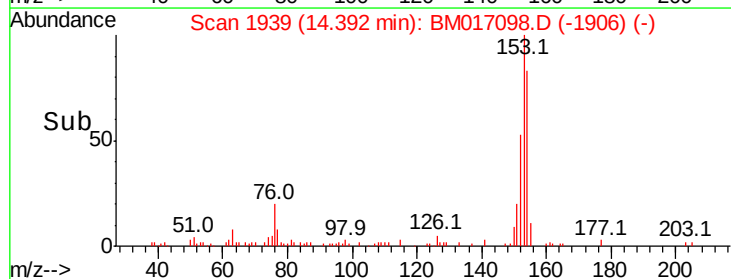
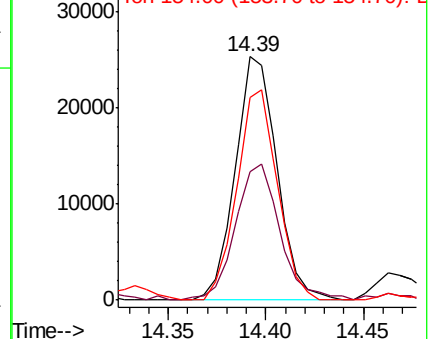


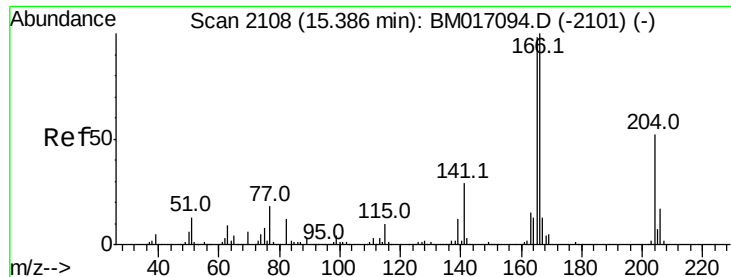
Abundance

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





#59

Fluorene

Concen: 1.388 ng/ul

RT: 15.38 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

ClientSampleId :

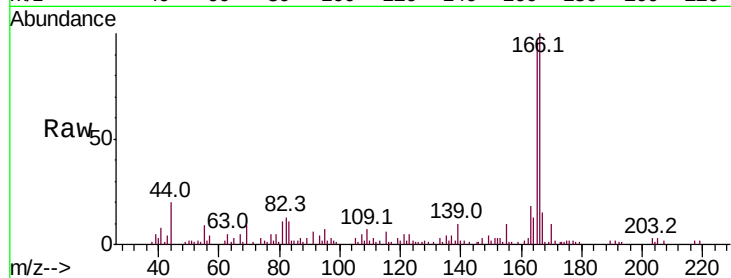
Tot Ion:166 Resp: 52309

Ion Ratio Lower Upper

166 100

165 95.7 77.3 115.9

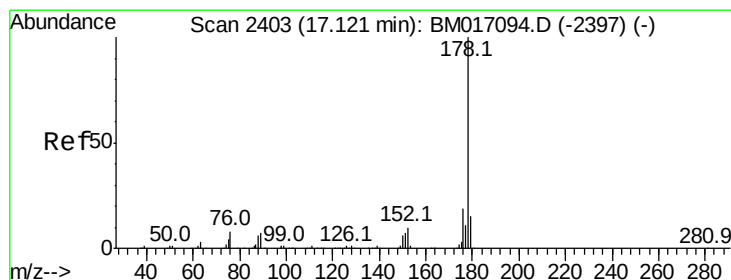
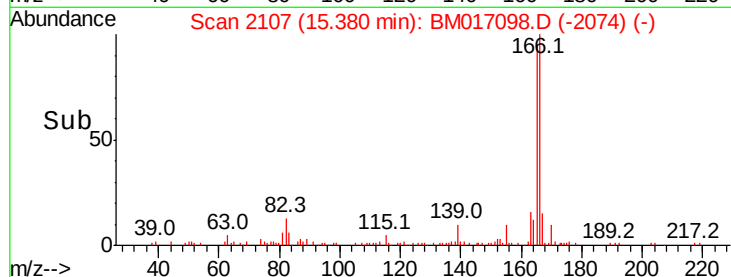
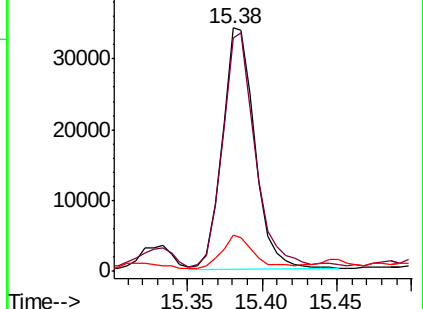
167 15.1 10.7 16.1



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



#70

Phenanthrene

Concen: 19.838 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

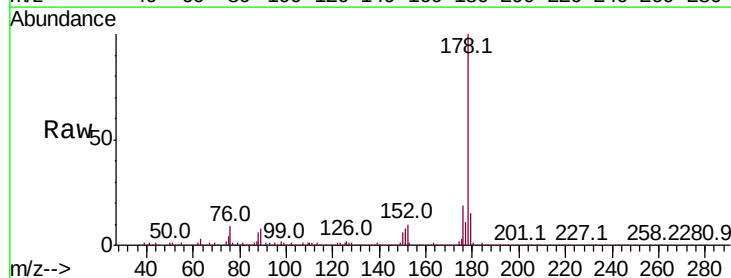
Tgt Ion:178 Resp: 1069227

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

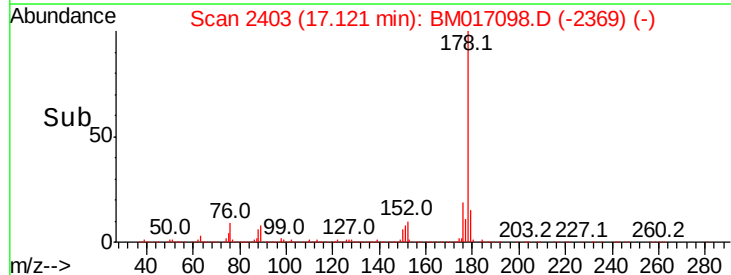
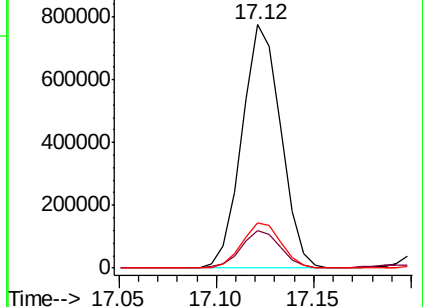
176 18.7 15.0 22.4

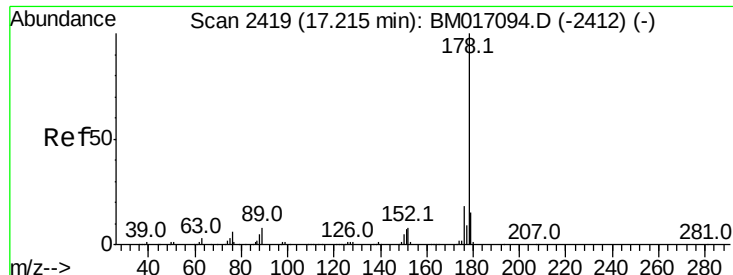


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.610 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

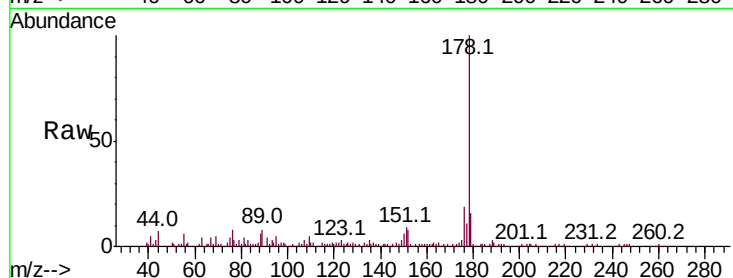
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 197696

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.4
176	18.6	14.6	22.0

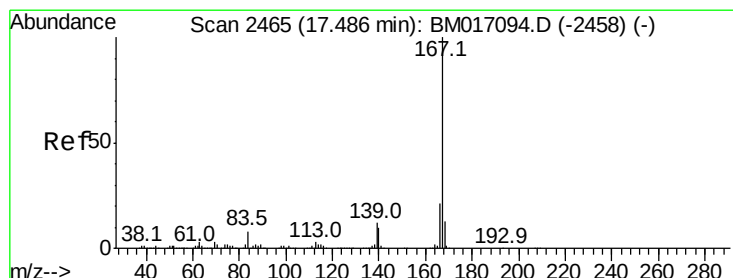
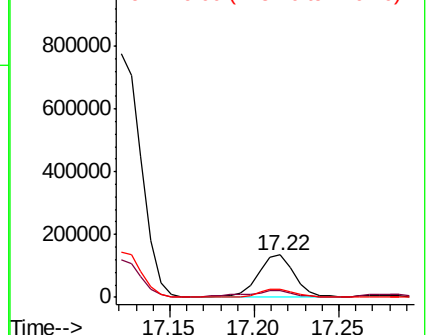
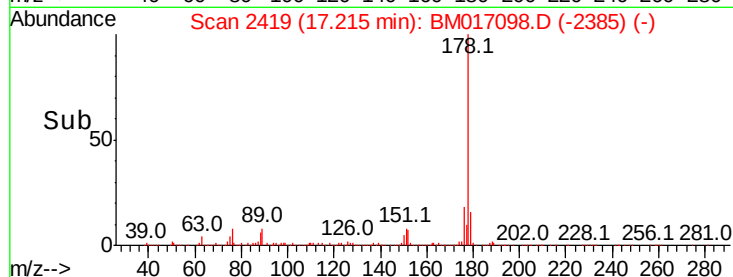


Abundance

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



#75

Carbazole

Concen: 2.013 ng/ul

RT: 17.49 min Scan# 2465

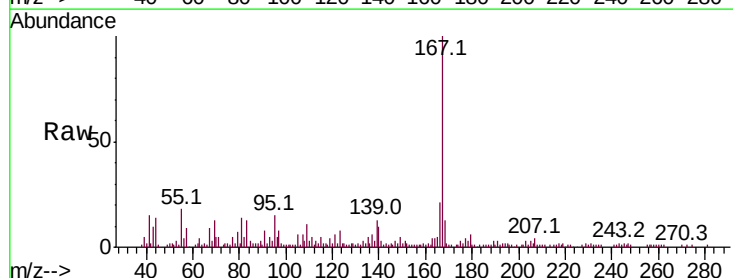
Delta R.T. -0.00 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Tgt Ion:167 Resp: 95424

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	13.3	10.0	15.0

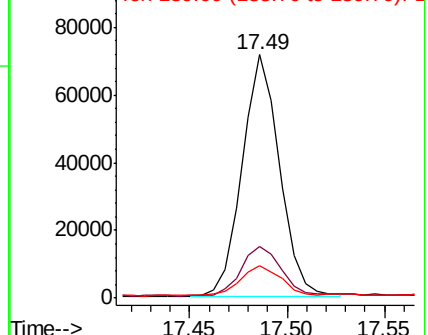
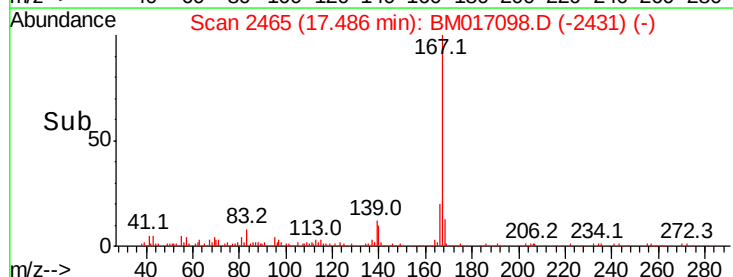


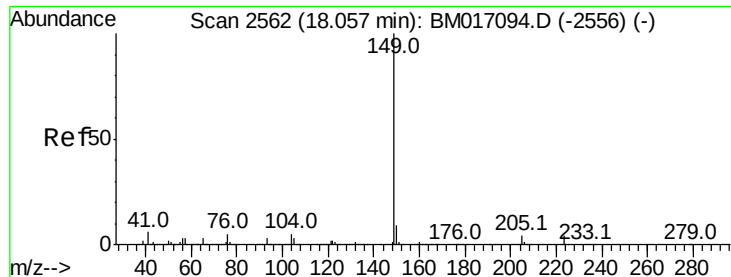
Abundance

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

Di-n-butylphthalate

Concen: 1.769 ng/ul

RT: 18.06 min Scan# 2562

Delta R.T. -0.00 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

ClientSampleId :

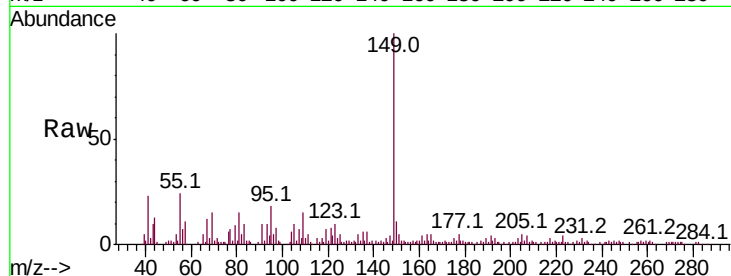
Tot Ion:149 Resp: 93763

Ion Ratio Lower Upper

149 100

150 10.7 7.4 11.0

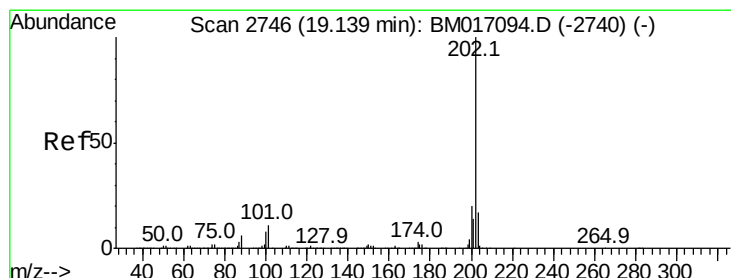
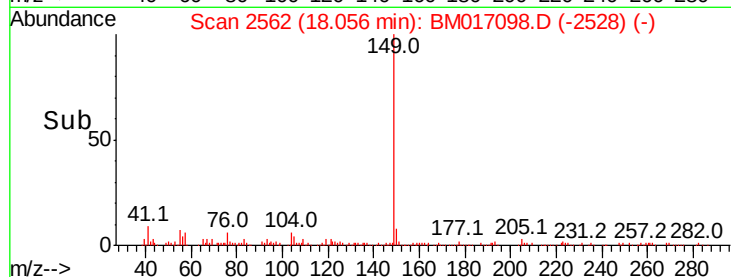
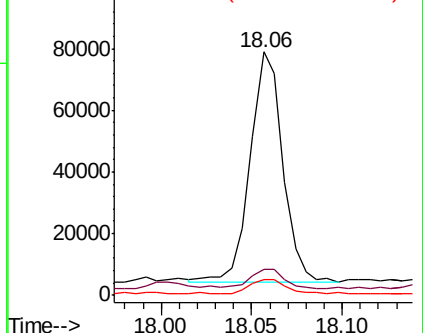
104 6.4 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 28.679 ng/ul

RT: 19.14 min Scan# 2747

Delta R.T. 0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

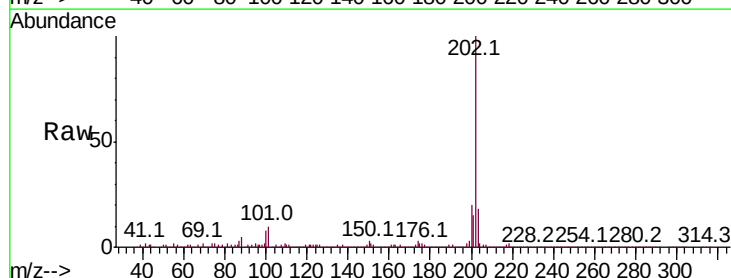
Tgt Ion:202 Resp: 1790474

Ion Ratio Lower Upper

202 100

101 10.5 8.3 12.5

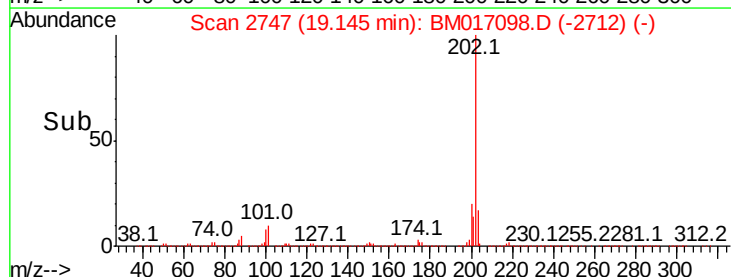
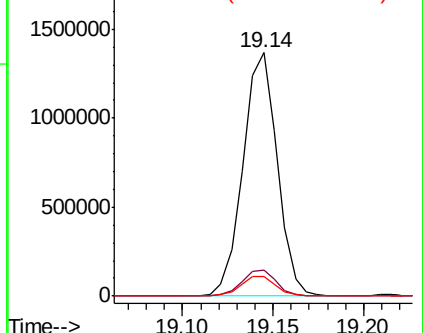
100 8.0 6.6 9.8

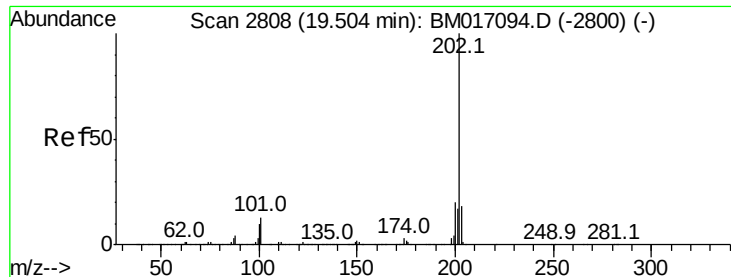


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

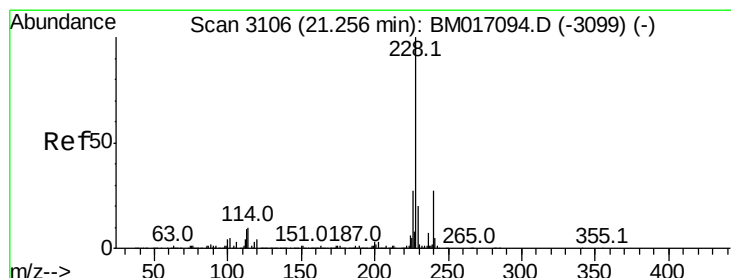
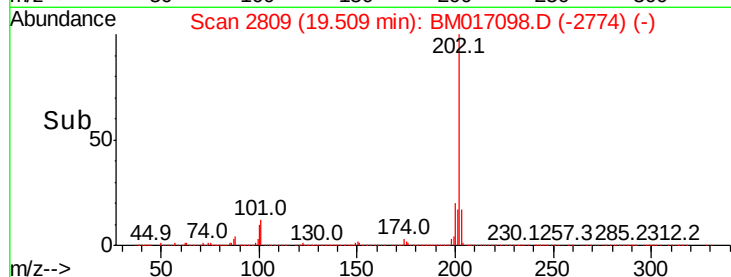
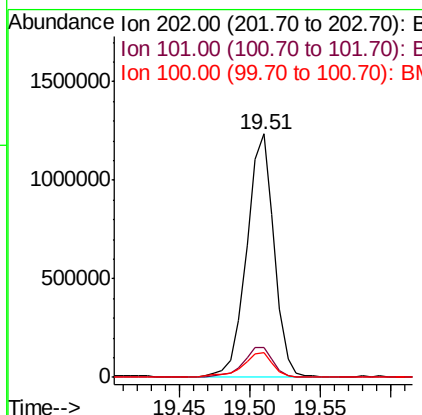
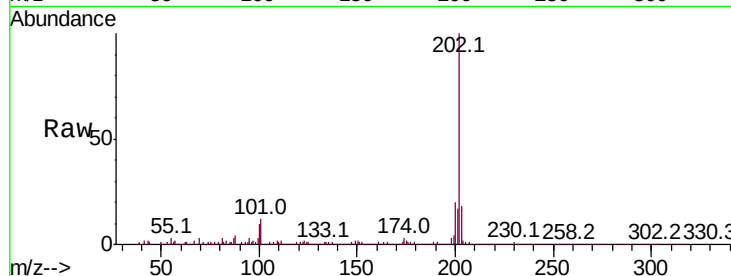




#80
Pvrene
Concen: 28.305 ng/ul
RT: 19.51 min Scan# 2809
Delta R.T. 0.01 min
Lab File: BM017098.D
Acq: 10 Oct 2018 15:08

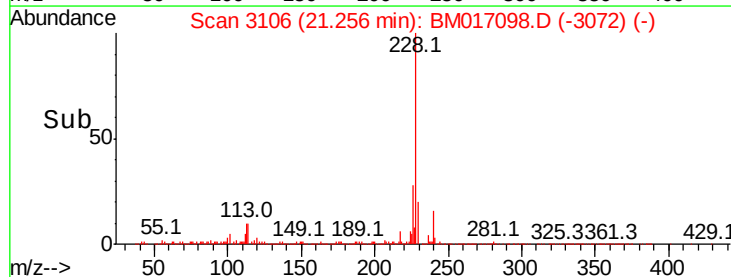
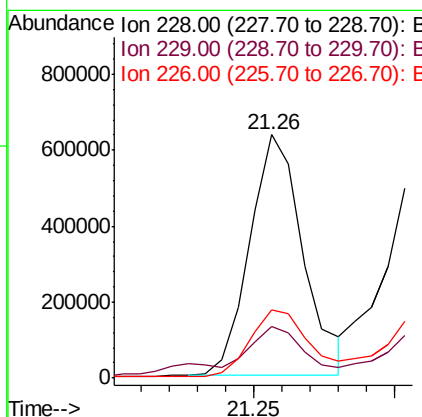
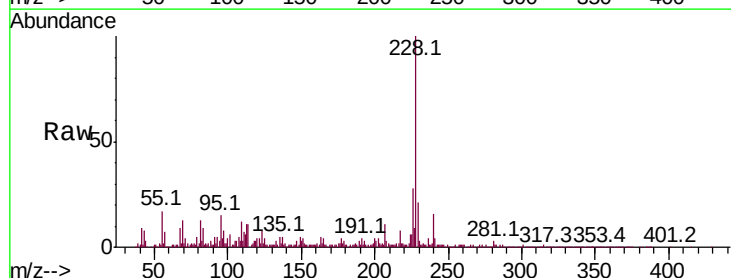
Instrument :
BNA_M
ClientSampleId :

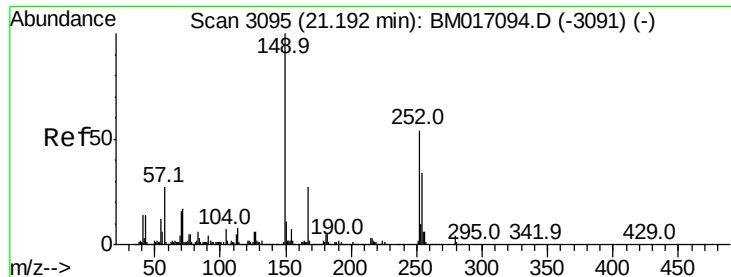
Tot Ion:202 Resp: 1671489
Ion Ratio Lower Upper
202 100
101 12.4 10.8 16.2
100 10.2 8.9 13.3



#83
Benzo(a)anthracene
Concen: 13.506 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM017098.D
Acq: 10 Oct 2018 15:08

Tgt Ion:228 Resp: 825757
Ion Ratio Lower Upper
228 100
229 21.4 15.7 23.5
226 28.1 20.9 31.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 18.033 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

ClientSampleId :

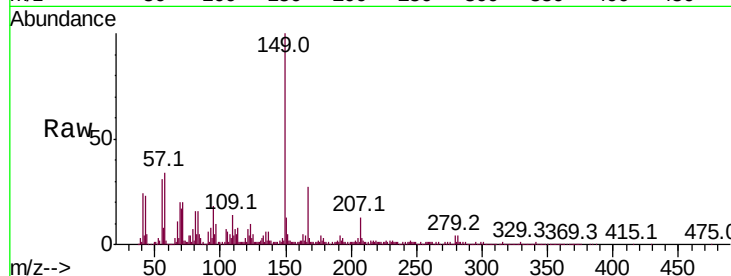
Tot Ion:149 Resp: 569467

Ion Ratio Lower Upper

149 100

167 27.1 22.5 33.7

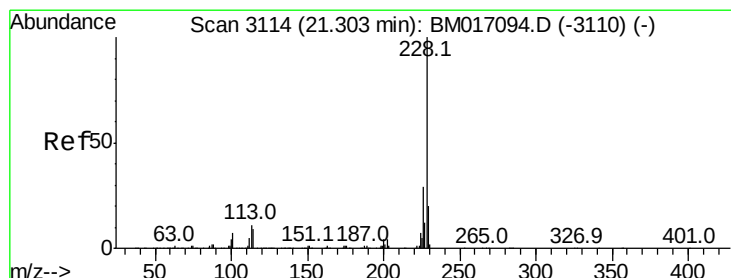
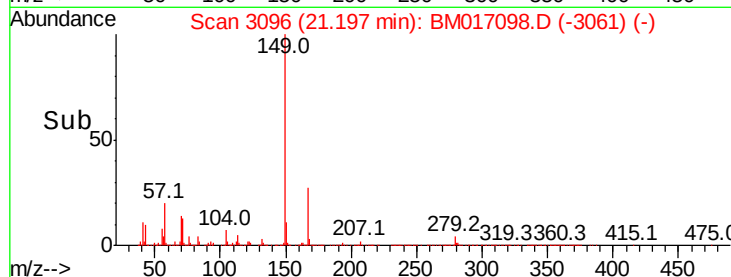
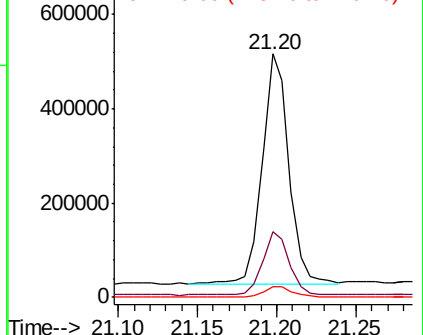
279 4.4 3.7 5.5



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



#85

Chrysene

Concen: 15.013 ng/ul

RT: 21.31 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

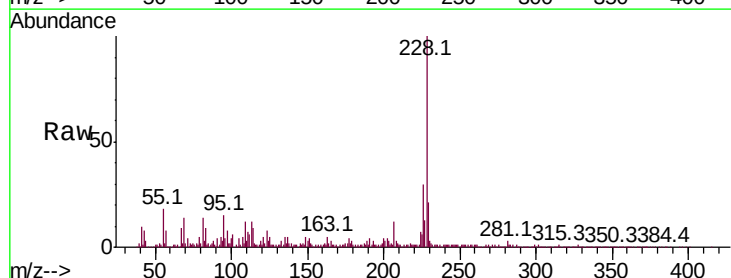
Tgt Ion:228 Resp: 887771

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

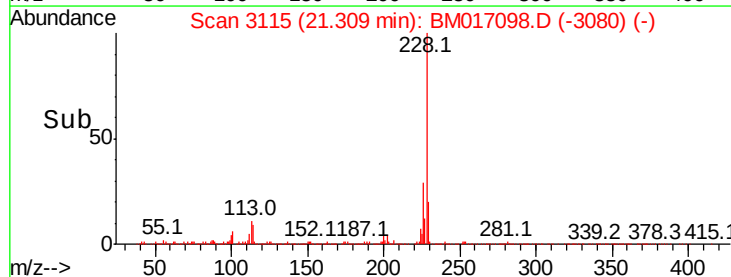
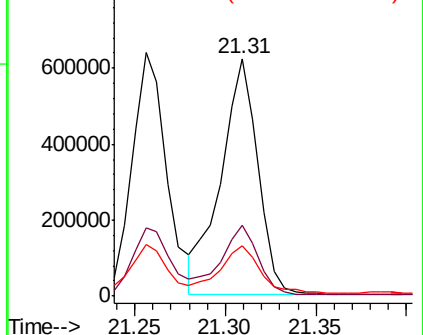
229 21.3 15.6 23.4

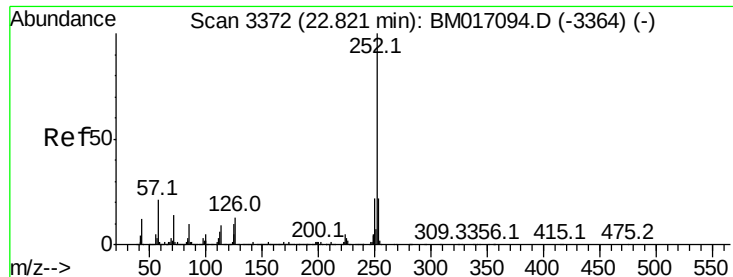


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 18.196 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. 0.02 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

ClientSampleId :

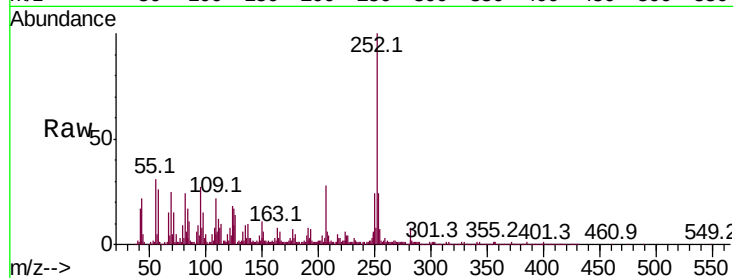
Tot Ion:252 Resp: 1214664

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

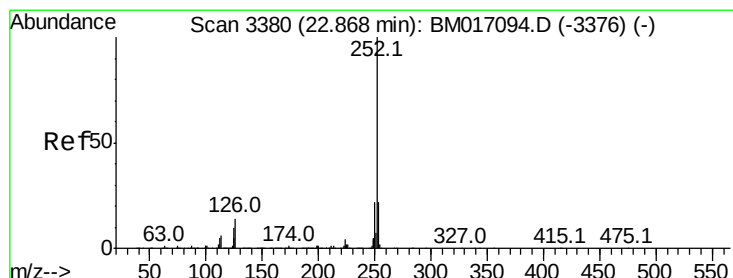
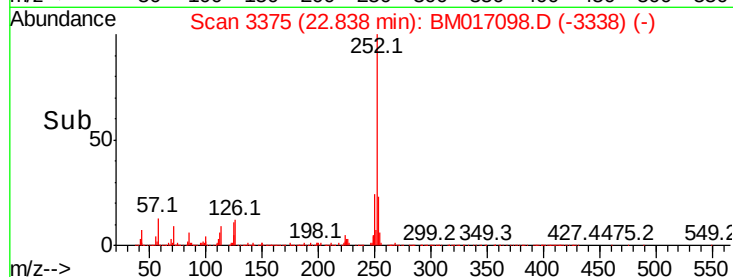
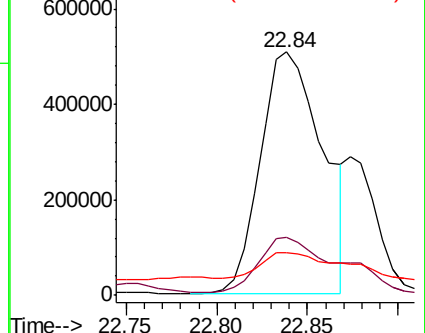
125 17.3 8.2 12.4#



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



#89

Benzo(k)fluoranthene

Concen: 18.940 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. -0.03 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

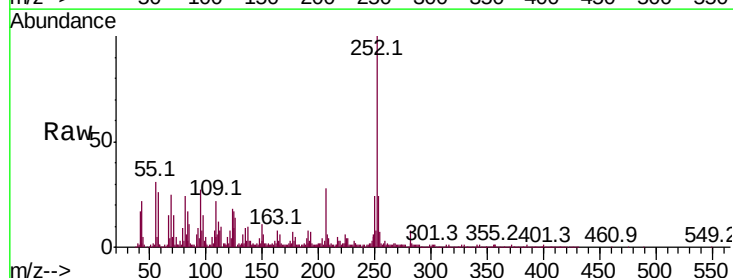
Tgt Ion:252 Resp: 1214664

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

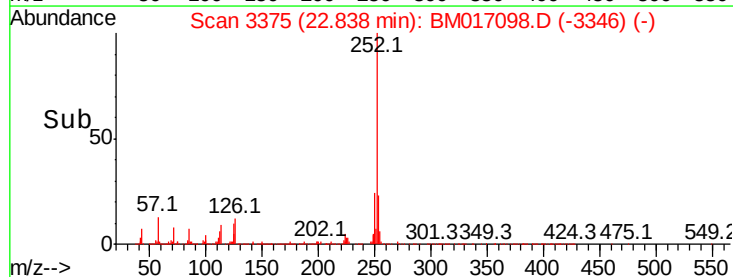
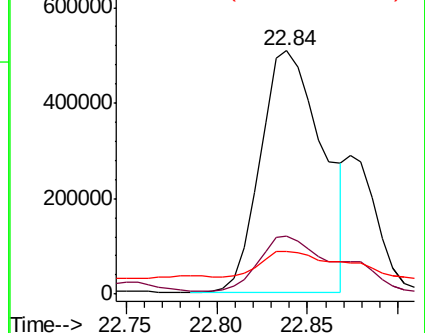
125 17.3 8.2 12.4#

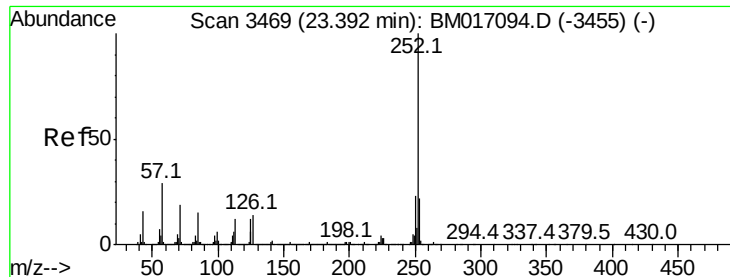


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 12.460 ng/ul

RT: 23.40 min Scan# 3471

Delta R.T. 0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

ClientSampled :

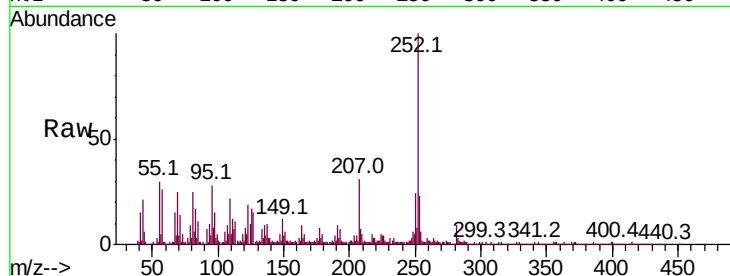
Tot Ion:252 Resp: 801614

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

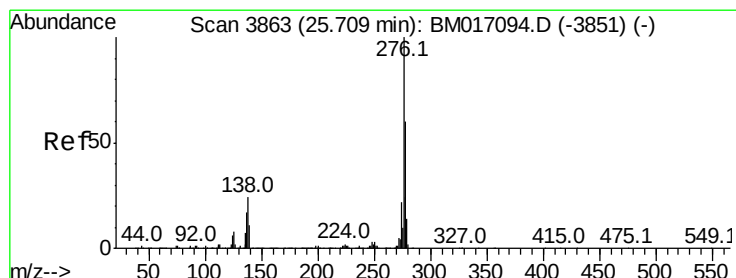
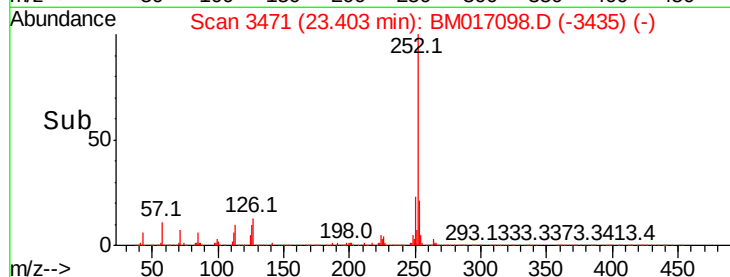
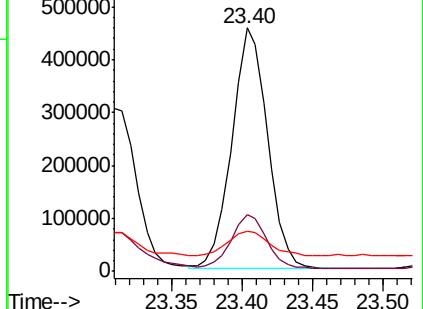
125 16.6 9.0 13.6#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 7.469 ng/ul

RT: 25.73 min Scan# 3866

Delta R.T. 0.02 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

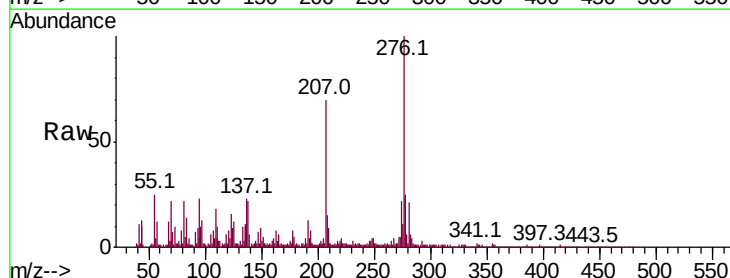
Tgt Ion:276 Resp: 567323

Ion Ratio Lower Upper

276 100

138 21.9 20.3 30.5

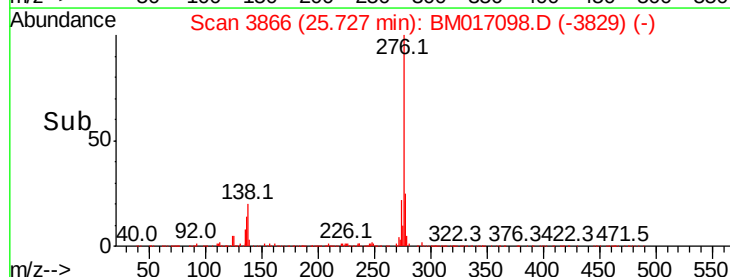
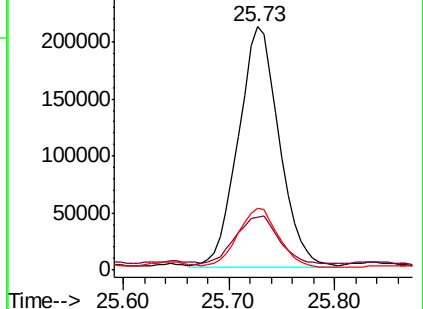
277 25.3 20.2 30.2

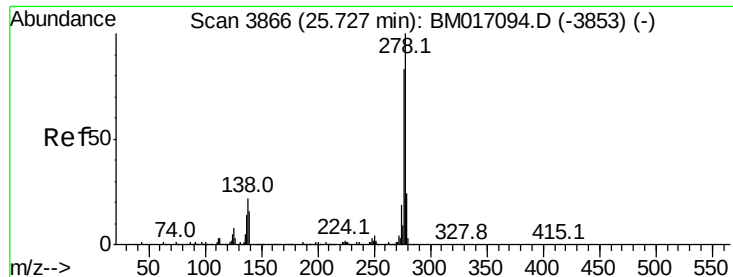


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.412 ng/ul

RT: 25.73 min Scan# 3867

Delta R.T. 0.01 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Instrument :

BNA_M

ClientSampleId :

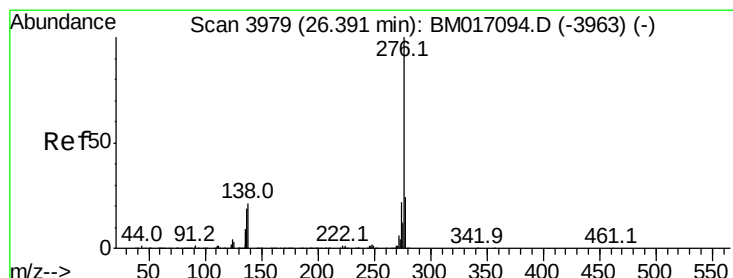
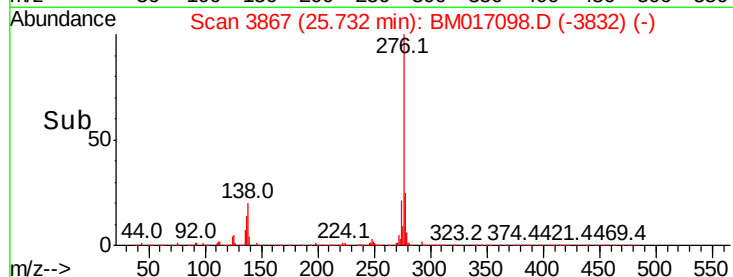
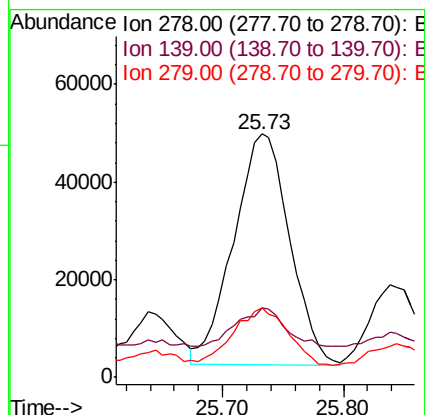
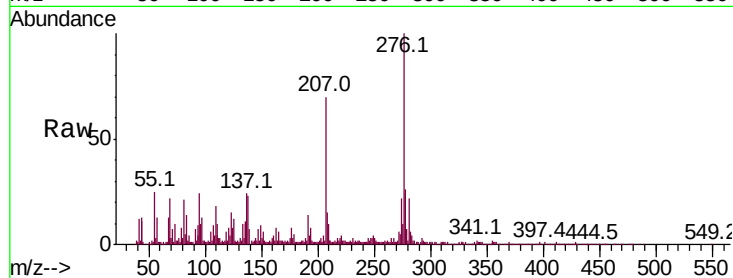
Tot Ion:278 Resp: 152487

Ion Ratio Lower Upper

278 100

139 28.8 13.2 19.8#

279 28.5 18.4 27.6#



#94

Benzo(g,h,i)perylene

Concen: 8.637 ng/ul

RT: 26.41 min Scan# 3982

Delta R.T. 0.02 min

Lab File: BM017098.D

Acq: 10 Oct 2018 15:08

Tgt Ion:276 Resp: 546249

Ion Ratio Lower Upper

276 100

138 23.5 17.5 26.3

277 25.0 18.5 27.7

