

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020806.D
 Acq On : 07 Jun 2019 16:26
 Operator : HP/JU
 Sample : K3201-20DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD1DL

Quant Time: Jun 08 00:25:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 08 00:20:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	300193	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1192901	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	659199	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1454770	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1378327	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	1638737	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	9448	1.50	ng/uL	0.00
5) Phenol-d5	6.97	99	141822	6.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	98543	7.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	133641	7.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	103231	5.59	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	63706	7.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	63978	7.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	126071	7.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	137989	6.55	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	392453	8.05	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	476763	7.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	36749	4.39	ng/ul	0.00
57) Fluorene-d10	15.45	176	329987	7.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	16264	2.19	ng/ul	0.00
70) Anthracene-d10	17.29	188	500746	7.88	ng/ul	0.00
78) Pyrene-d10	19.59	212	521611	7.83	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	560833	7.53	ng/ul	0.00

Target Compounds

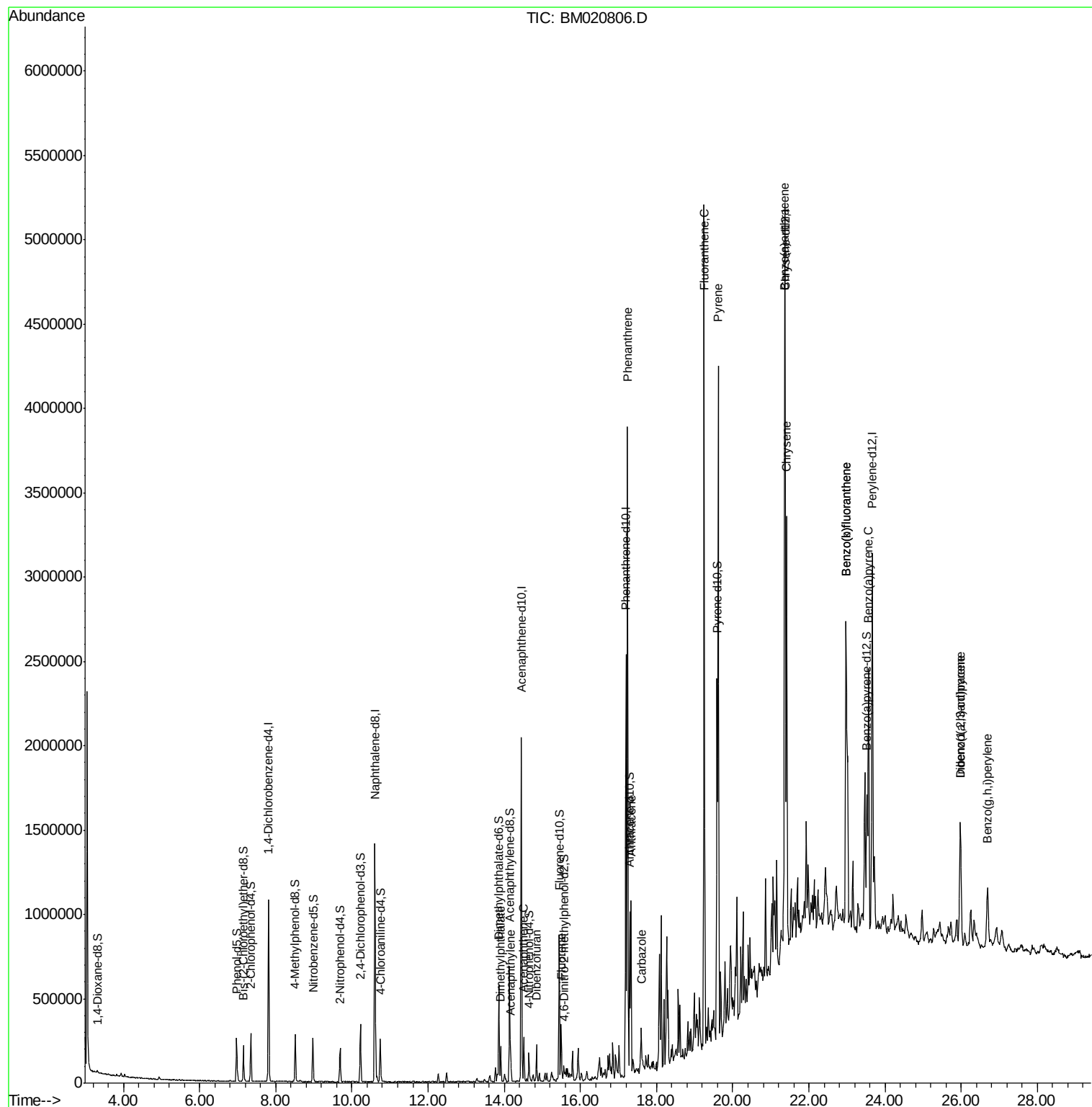
					Qvalue
44) Dimethylphthalate	13.91	163	137096	2.808	ng/ul 100
47) Acenaphthylene	14.17	152	65926	1.102	ng/ul 97
49) Acenaphthene	14.51	153	106474	2.550	ng/ul 99
53) Dibenzofuran	14.85	168	112374	1.903	ng/ul 98
58) Fluorene	15.50	166	140114	2.955	ng/ul 95
69) Phenanthrene	17.24	178	2229267	30.448	ng/ul 99
71) Anthracene	17.33	178	619757	8.258	ng/ul 99
74) Carbazole	17.60	167	142533	2.184	ng/ul 96
76) Fluoranthene	19.26	202	3105234	37.010	ng/ul 99
79) Pyrene	19.62	202	2458529	28.896	ng/ul 99
82) Benzo(a)anthracene	21.36	228	1637716	19.047	ng/ul 97
84) Chrysene	21.42	228	1326443	16.626	ng/ul 97
87) Benzo(b)fluoranthene	22.98	252	1696602	17.797	ng/ul 98
88) Benzo(k)fluoranthene	22.98	252	1696602	18.620	ng/ul 98
90) Benzo(a)pyrene	23.57	252	1141676	12.588	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.98	276	686845	6.412	ng/ul 96
92) Dibenzo(a,h)anthracene	25.98	278	217697	2.398	ng/ul# 90
93) Benzo(g,h,i)perylene	26.69	276	452139	5.203	ng/ul 98

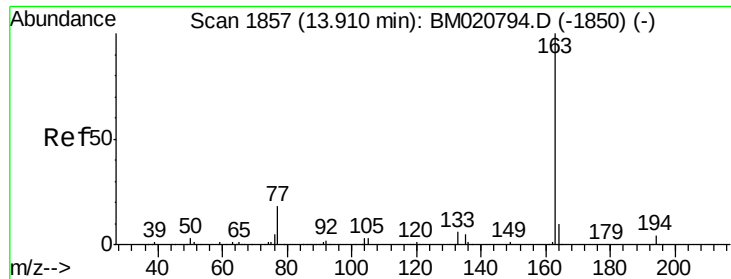
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 2.808 ng/ul

RT: 13.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

Instrument :

BNA_M

ClientSampleId :

C0AD1DL

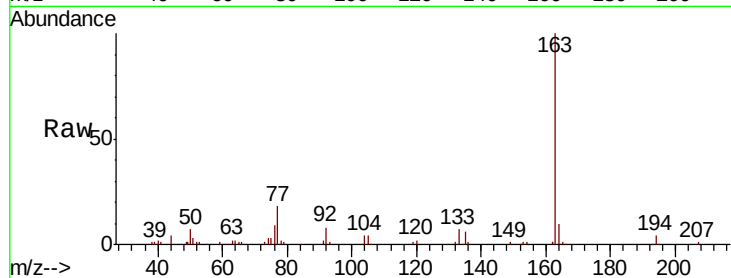
Tgt Ion:163 Resp: 137096

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

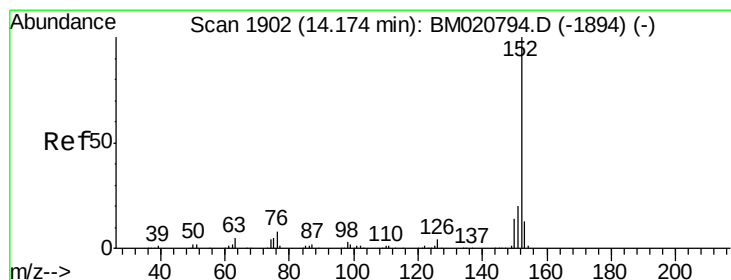
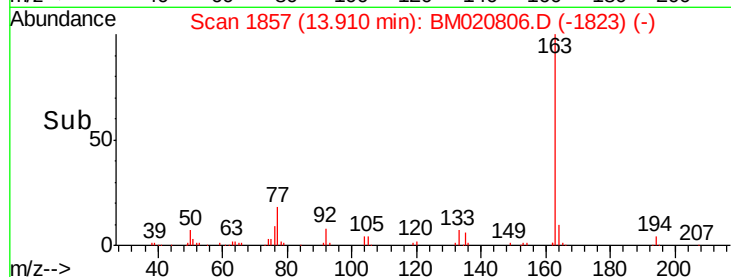
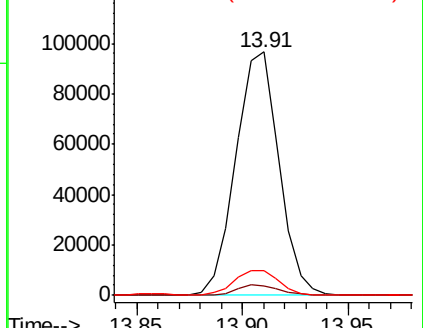
164 10.0 8.0 12.0



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: 1.102 ng/ul

RT: 14.17 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

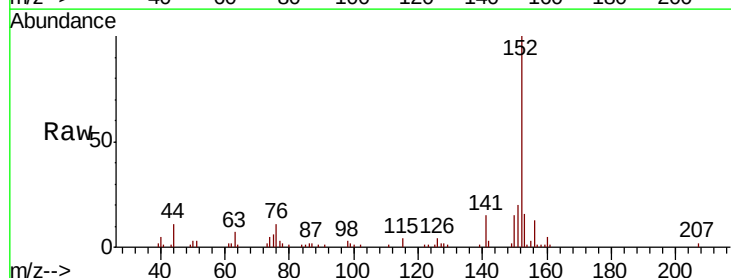
Tgt Ion:152 Resp: 65926

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

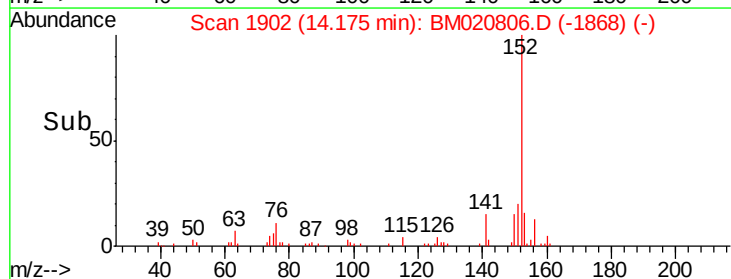
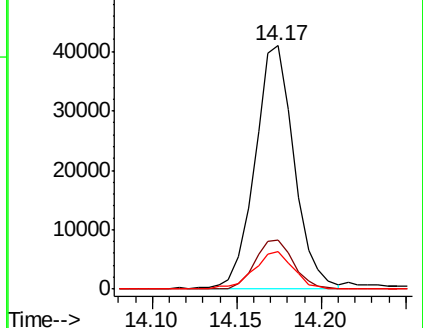
153 15.7 10.6 15.8

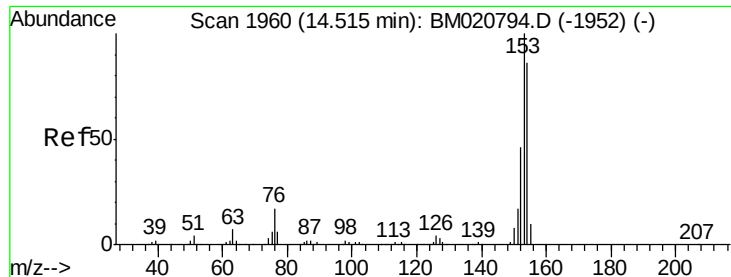


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.550 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

Instrument :

BNA_M

ClientSampleId :

C0AD1DL

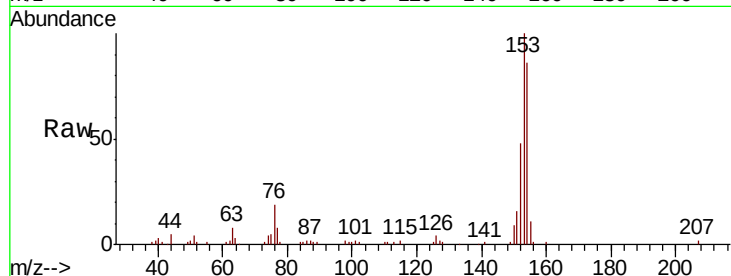
Tgt Ion:153 Resp: 106474

Ion Ratio Lower Upper

153 100

152 48.1 37.3 55.9

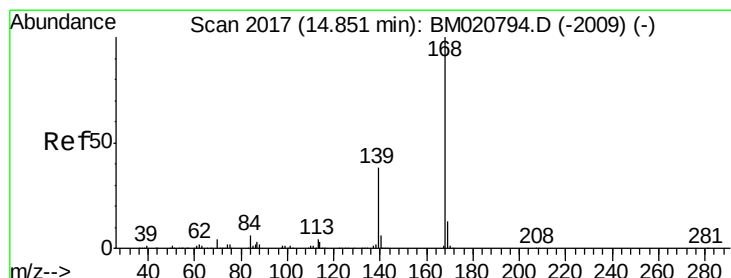
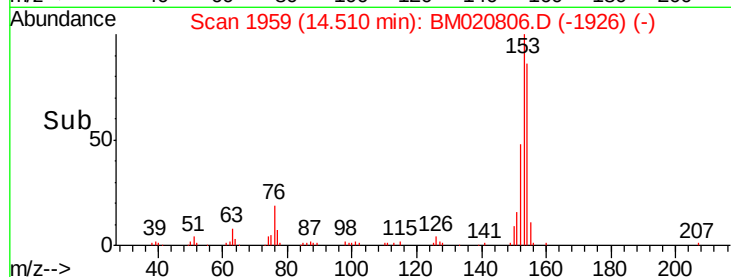
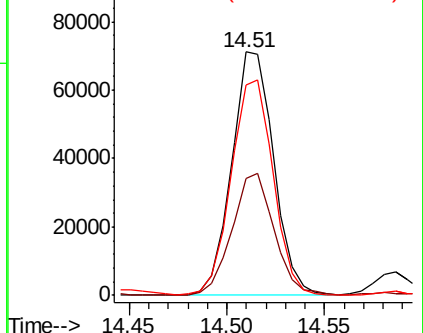
154 86.3 68.7 103.1



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



#53

Dibenzofuran

Concen: 1.903 ng/ul

RT: 14.85 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BM020806.D

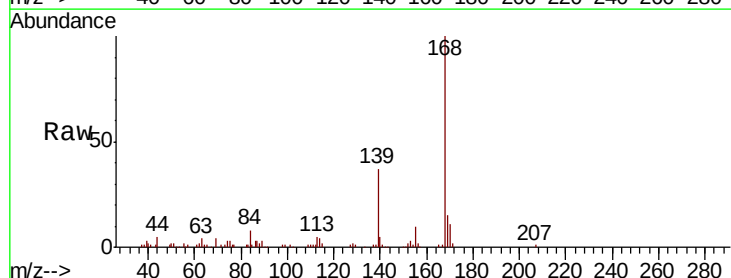
Acq: 07 Jun 2019 16:26

Tgt Ion:168 Resp: 112374

Ion Ratio Lower Upper

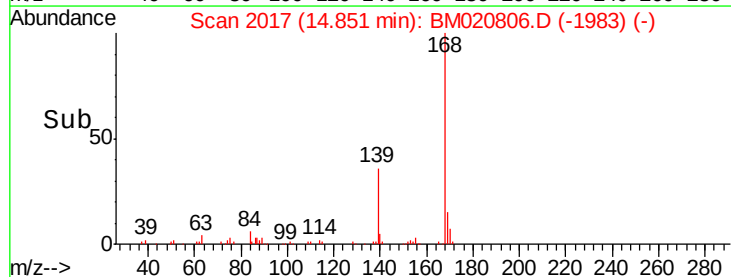
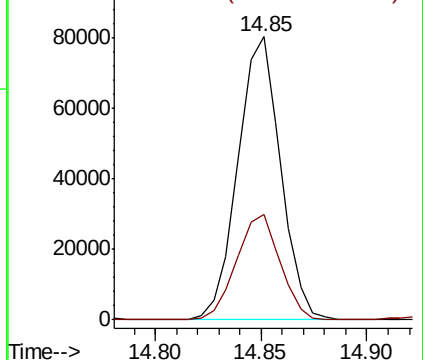
168 100

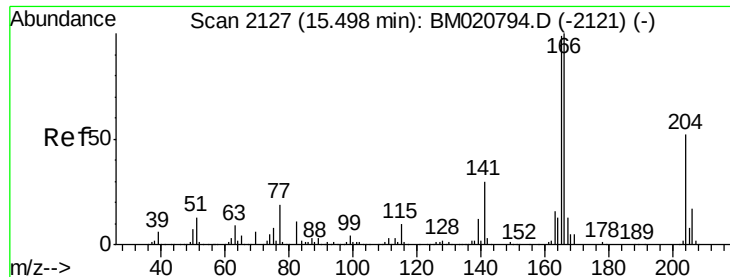
139 37.1 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.955 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. 0.00 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

Instrument :

BNA_M

ClientSampleId :

C0AD1DL

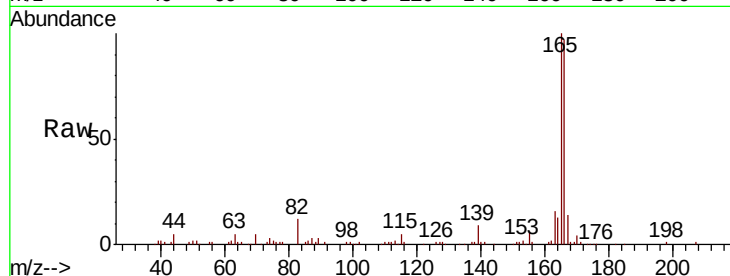
Tgt Ion:166 Resp: 140114

Ion Ratio Lower Upper

166 100

165 103.6 78.6 117.8

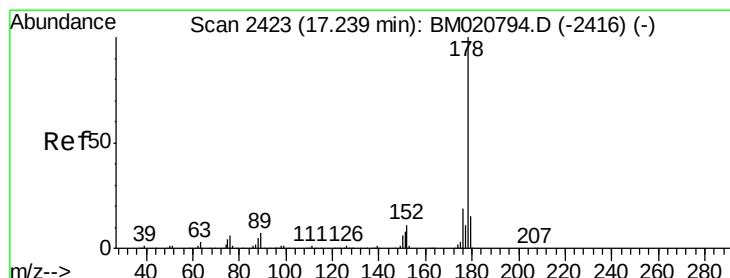
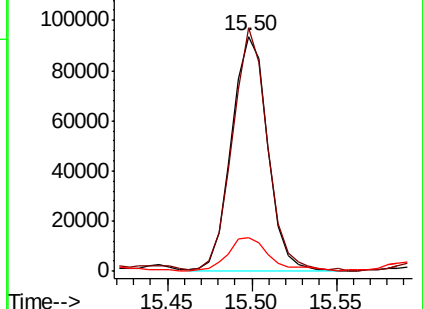
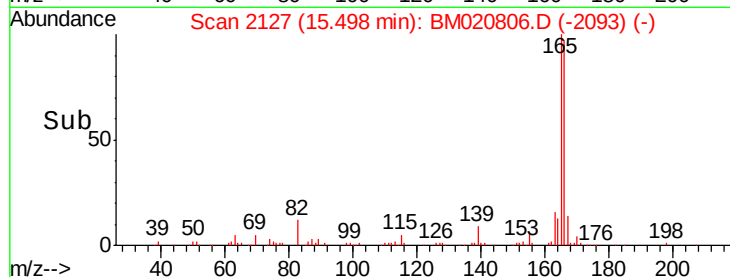
167 14.6 10.8 16.2



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: 30.448 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

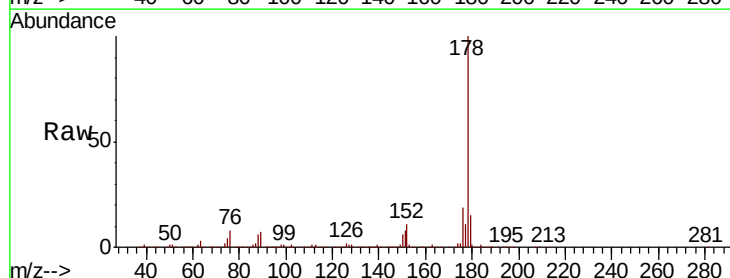
Tgt Ion:178 Resp: 2229267

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

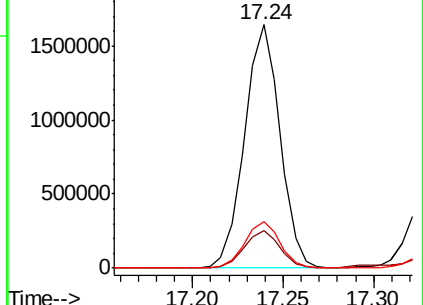
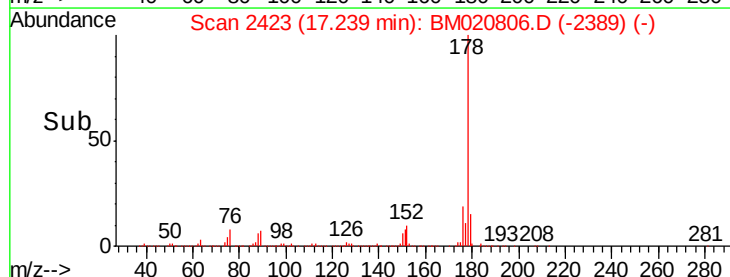
176 19.0 14.8 22.2

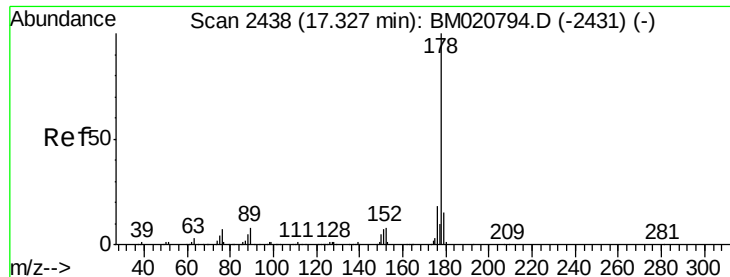


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

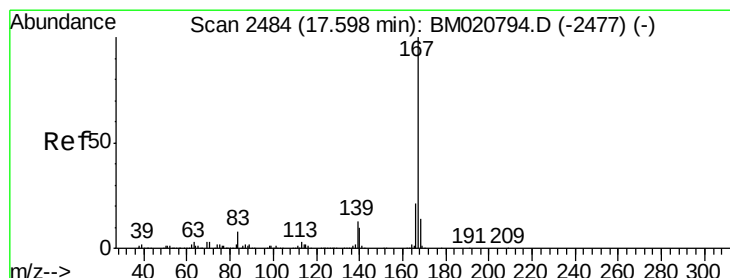
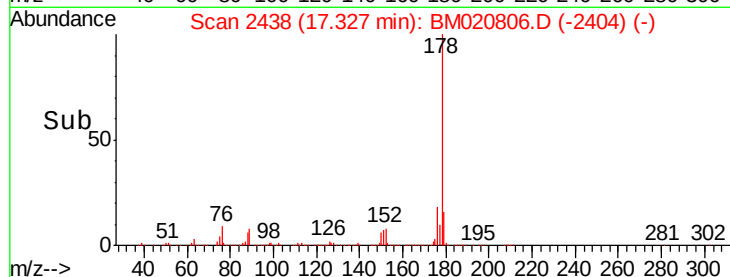
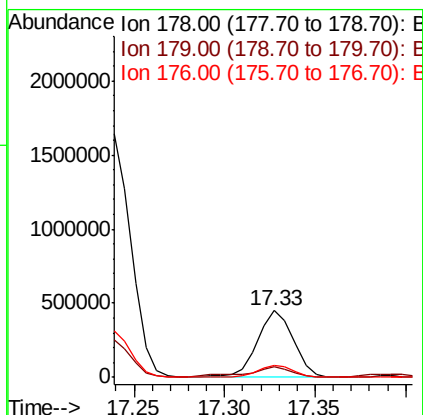
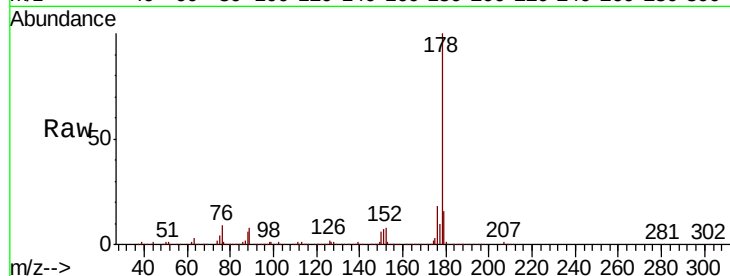




#71
 Anthracene
 Concen: 8.258 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: BM020806.D
 Acq: 07 Jun 2019 16:26

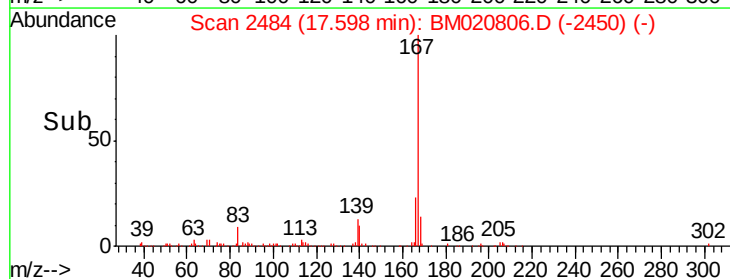
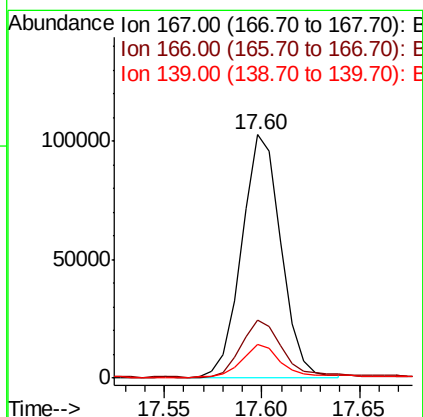
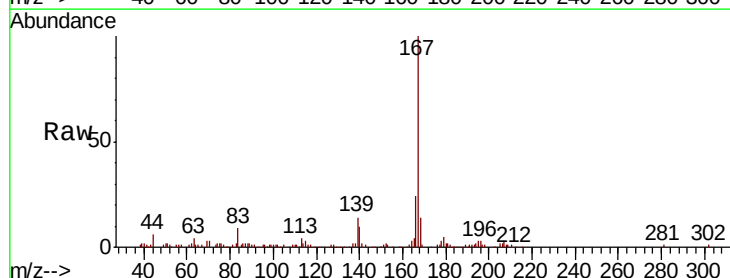
Instrument :
 BNA_M
 ClientSampleId :
 C0AD1DL

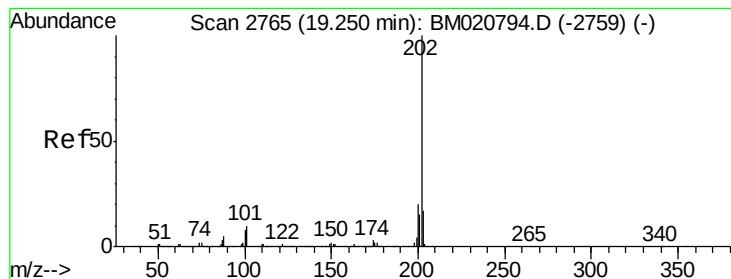
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.1	18.1
176	18.4	14.9	22.3



#74
 Carbazole
 Concen: 2.184 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020806.D
 Acq: 07 Jun 2019 16:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.8	17.0	25.6
139	13.8	10.5	15.7





#76

Fluoranthene

Concen: 37.010 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. 0.01 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

Instrument :

BNA_M

ClientSampleId :

C0AD1DL

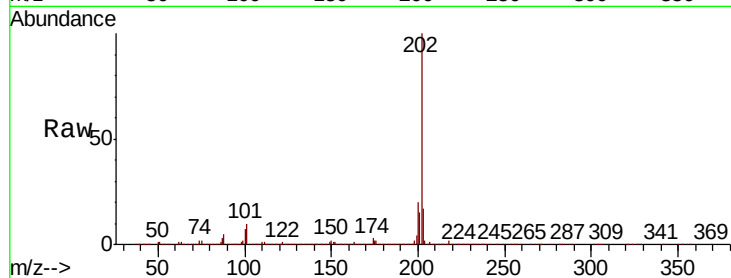
Tgt Ion:202 Resp: 3105234

Ion Ratio Lower Upper

202 100

101 9.6 7.9 11.9

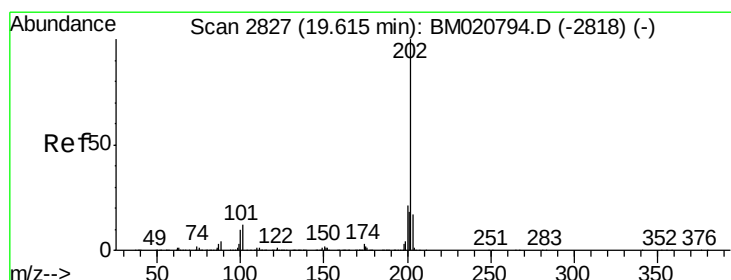
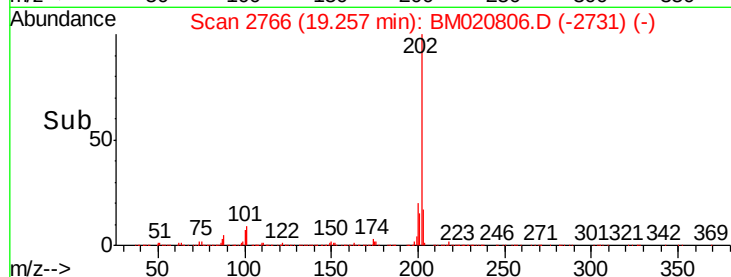
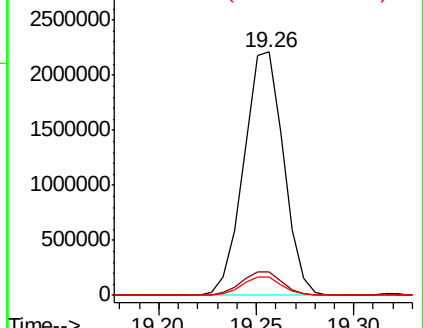
100 7.3 6.2 9.4



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



#79

Pyrene

Concen: 28.896 ng/ul

RT: 19.62 min Scan# 2827

Delta R.T. 0.00 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

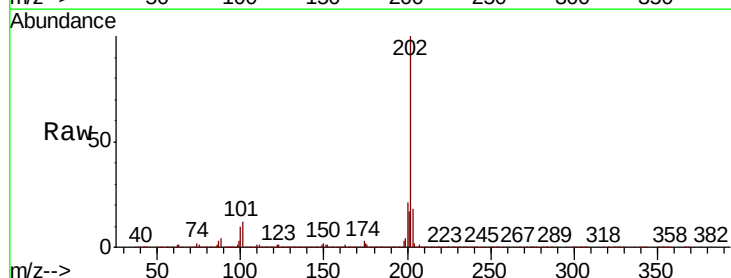
Tgt Ion:202 Resp: 2458529

Ion Ratio Lower Upper

202 100

101 12.4 9.8 14.6

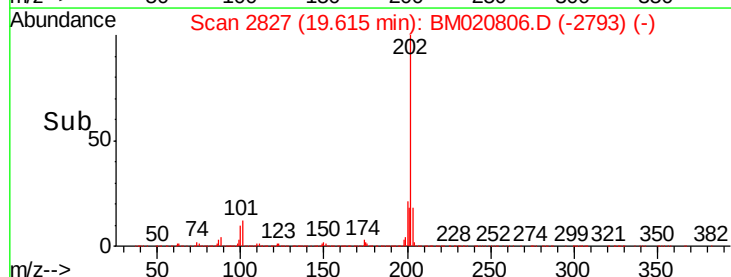
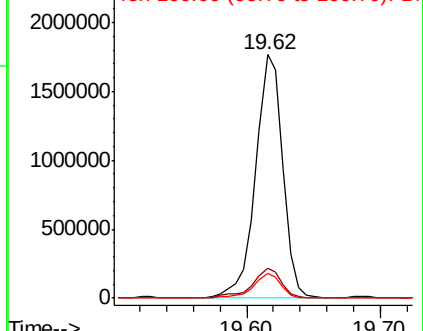
100 10.3 8.0 12.0

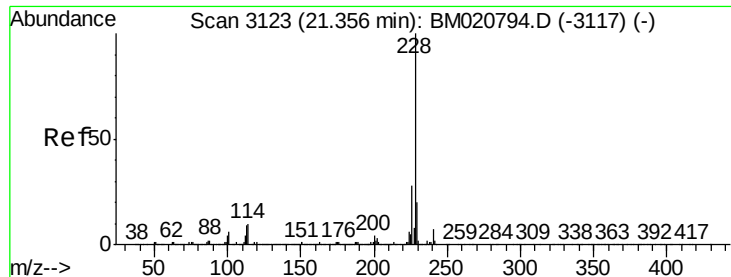


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 19.047 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

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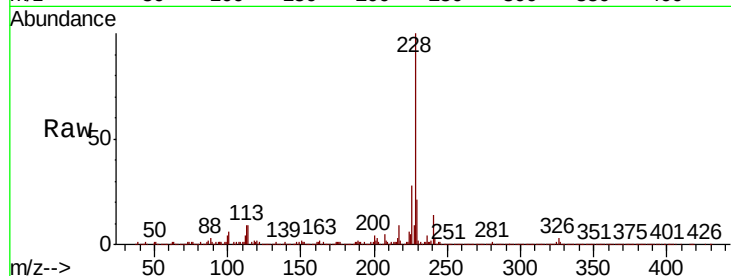
Tgt Ion:228 Resp: 1637716

Ion Ratio Lower Upper

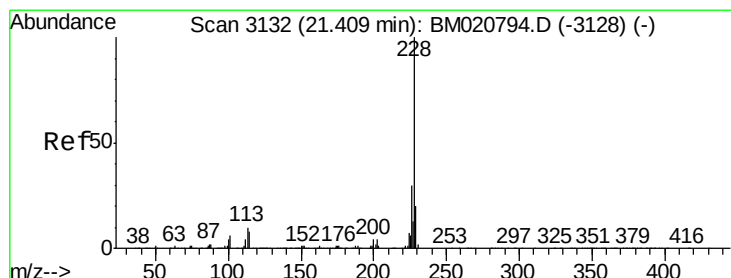
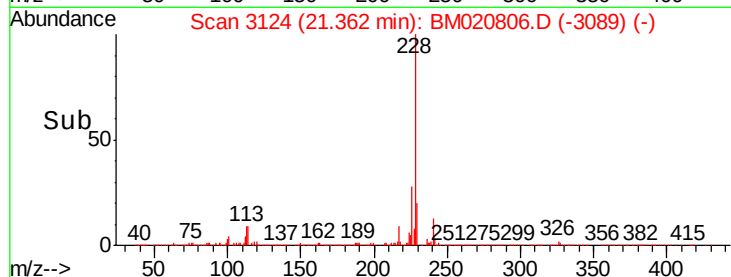
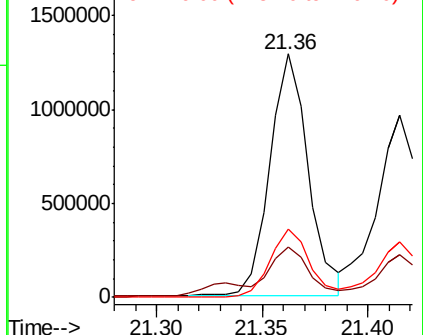
228 100

229 20.8 15.6 23.4

226 28.2 21.4 32.2



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: 16.626 ng/ul

RT: 21.42 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

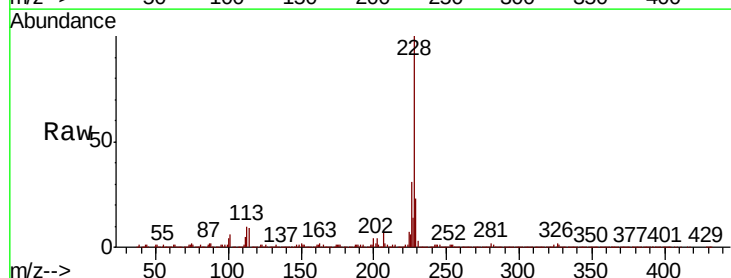
Tgt Ion:228 Resp: 1326443

Ion Ratio Lower Upper

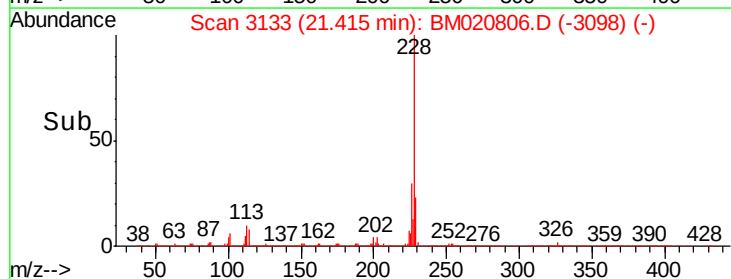
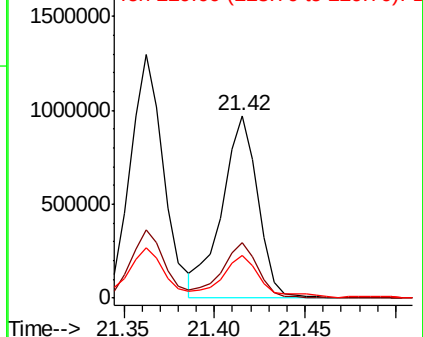
228 100

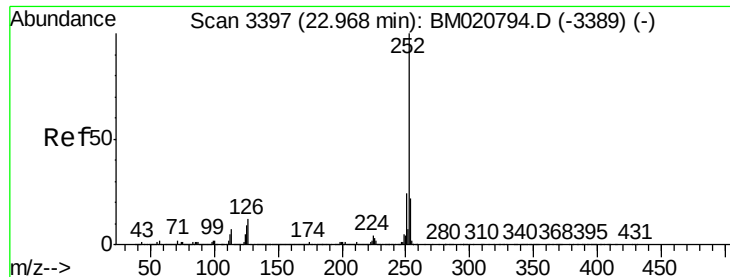
226 30.7 24.4 36.6

229 23.1 16.2 24.2



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: 17.797 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.01 min

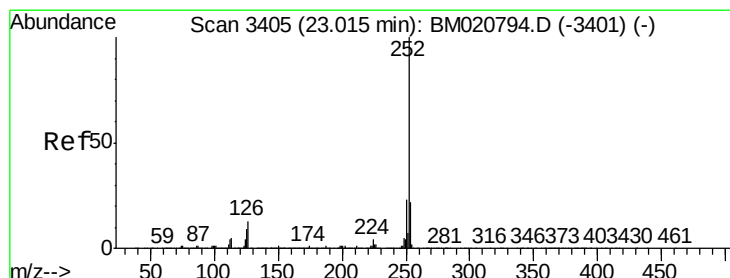
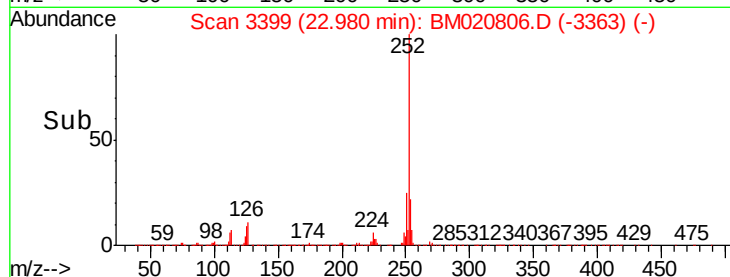
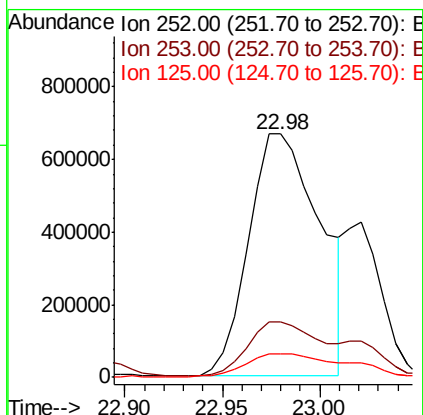
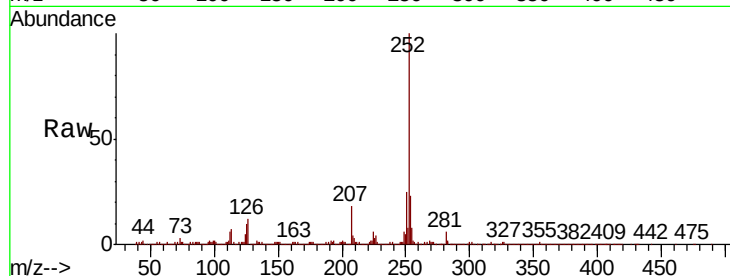
Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

Instrument :
BNA_M
ClientSampleId :
C0AD1DL

Tgt Ion:252 Resp: 1696602

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.6	7.3	10.9



#88

Benzo(k)fluoranthene

Concen: 18.620 ng/ul

RT: 22.98 min Scan# 3399

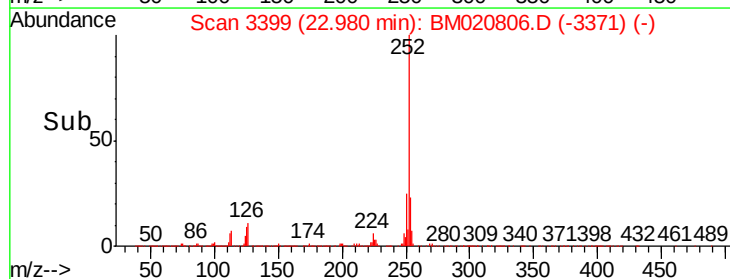
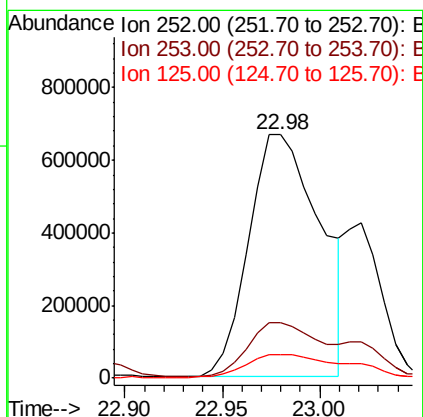
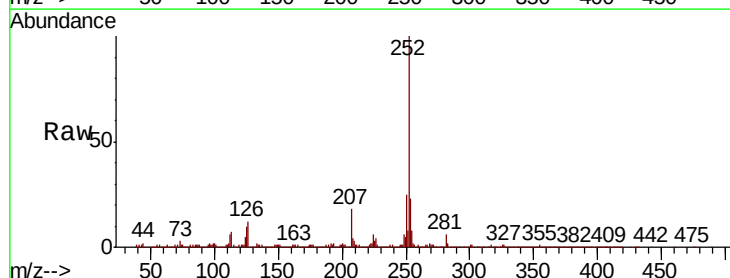
Delta R.T. -0.04 min

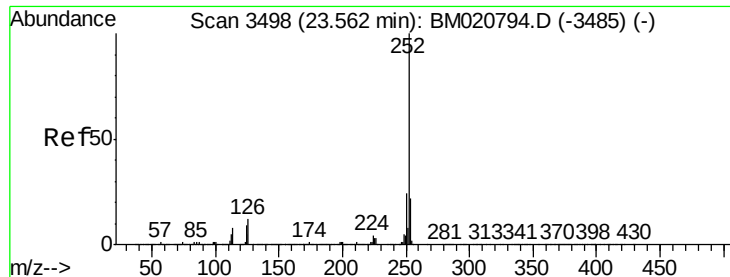
Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

Tgt Ion:252 Resp: 1696602

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.6	7.3	10.9





#90

Benzo(a)pyrene

Concen: 12.588 ng/ul

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

Instrument :

BNA_M

ClientSampleId :

C0AD1DL

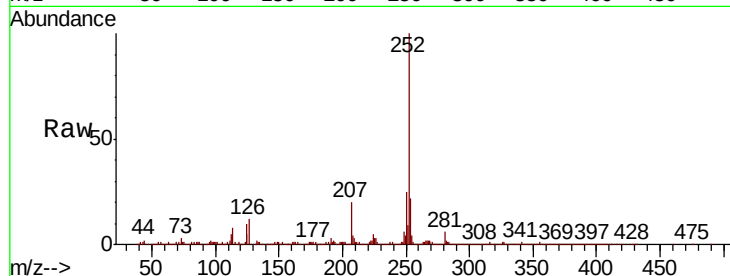
Tgt Ion:252 Resp: 1141676

Ion Ratio Lower Upper

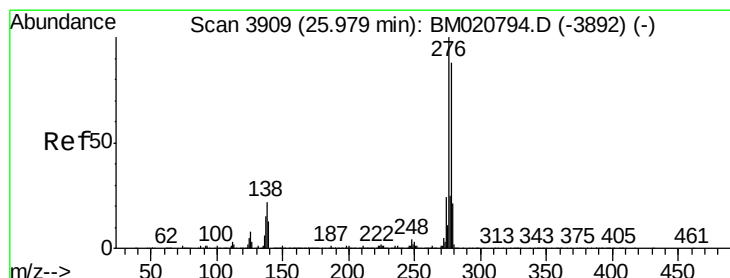
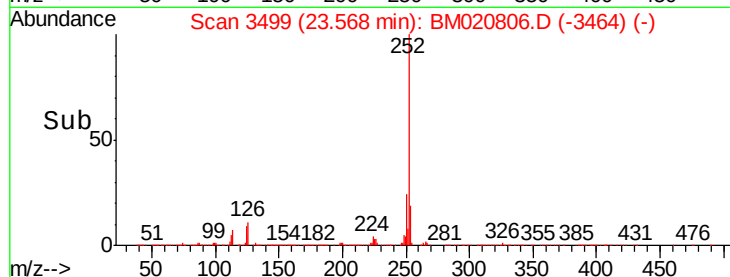
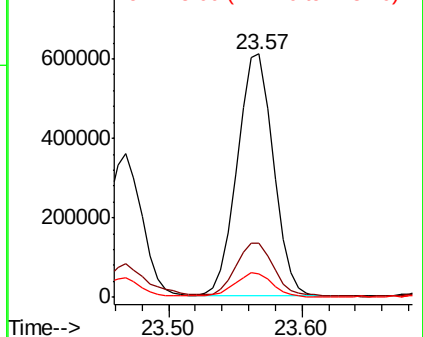
252 100

253 22.3 17.0 25.6

125 9.8 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

Indeno(1,2,3-cd)pyrene

Concen: 6.412 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. 0.00 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

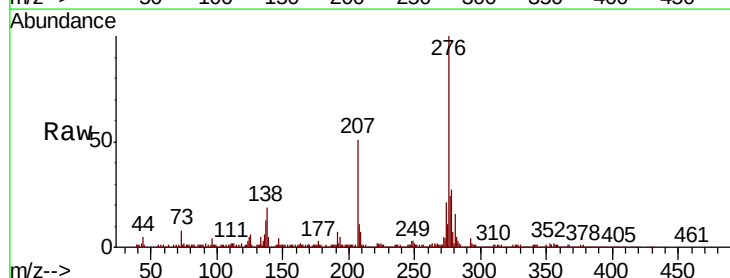
Tgt Ion:276 Resp: 686845

Ion Ratio Lower Upper

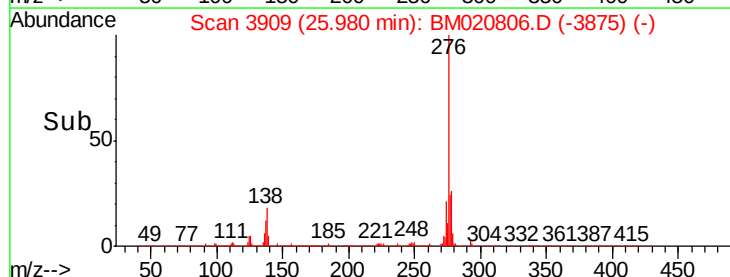
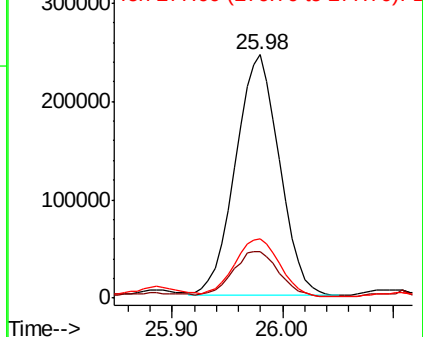
276 100

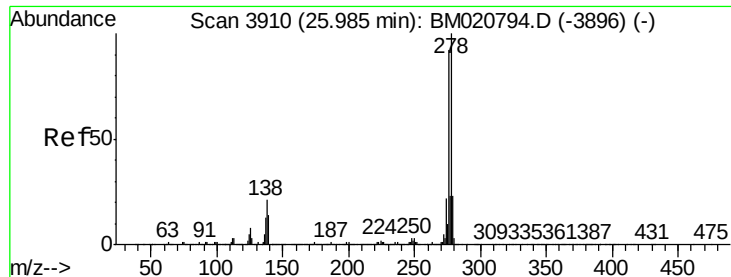
138 18.9 17.8 26.8

277 24.4 20.0 30.0



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





#92

Dibenzo(a,h)anthracene

Concen: 2.398 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

Instrument :

BNA_M

ClientSampleId :

C0AD1DL

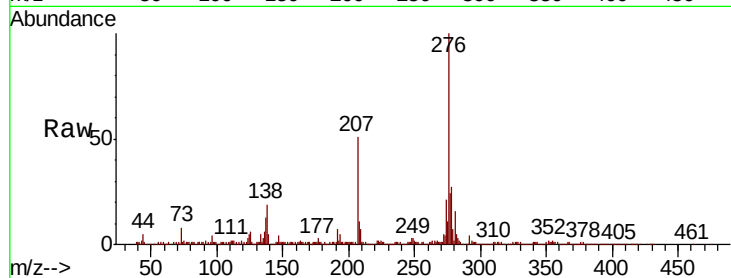
Tgt Ion:278 Resp: 217697

Ion Ratio Lower Upper

278 100

139 19.9 11.6 17.4#

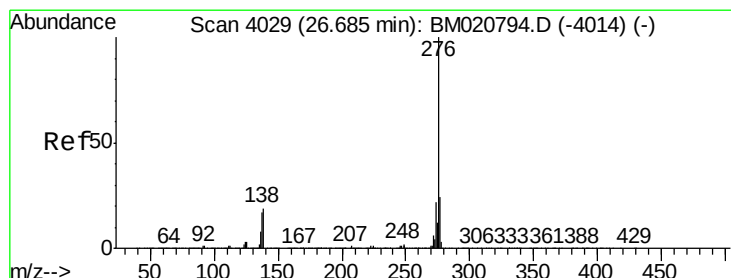
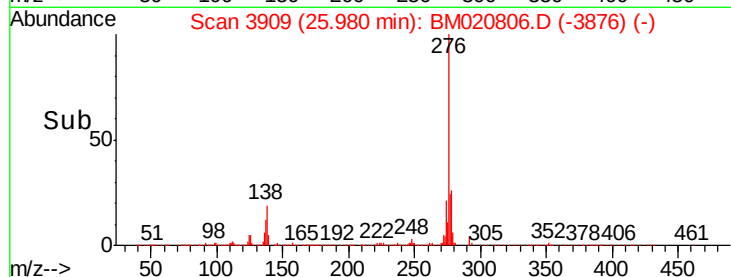
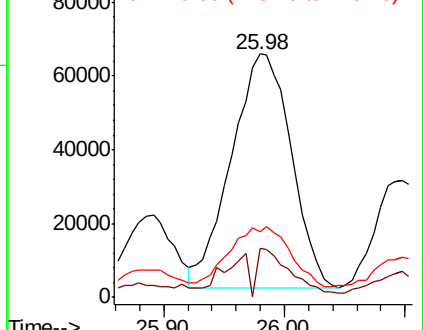
279 27.2 18.6 28.0



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(g,h,i)perylene

Concen: 5.203 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.01 min

Lab File: BM020806.D

Acq: 07 Jun 2019 16:26

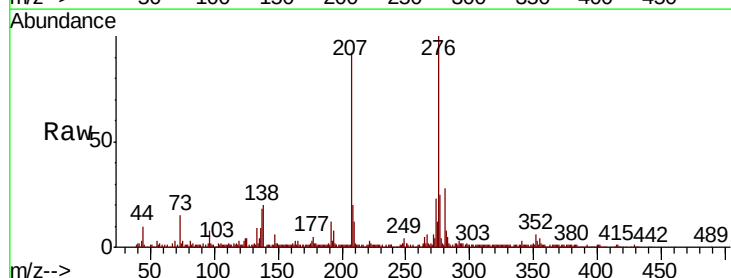
Tgt Ion:276 Resp: 452139

Ion Ratio Lower Upper

276 100

138 20.1 16.6 25.0

277 25.3 19.6 29.4



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

