

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020796.D
 Acq On : 07 Jun 2019 10:16
 Operator : HP/JU
 Sample : K3201-17 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Quant Time: Jun 08 00:23:39 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	7.81	152	263799	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1066480	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	605964	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1364037	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1310815	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1507927	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	7702	1.39	ng/uL	0.00
5) Phenol-d5	6.97	99	138402	6.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	99286	8.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	131398	8.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	85056	5.24	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	66611	9.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	68473	9.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	129582	8.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	135474	7.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	420430	9.38	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	514004	9.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	43051	5.60	ng/ul	0.00
57) Fluorene-d10	15.44	176	358753	9.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	20441	2.93	ng/ul	0.00
70) Anthracene-d10	17.29	188	557757	9.36	ng/ul	0.00
78) Pyrene-d10	19.59	212	579202	9.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	603390	8.80	ng/ul	0.00

Target Compounds

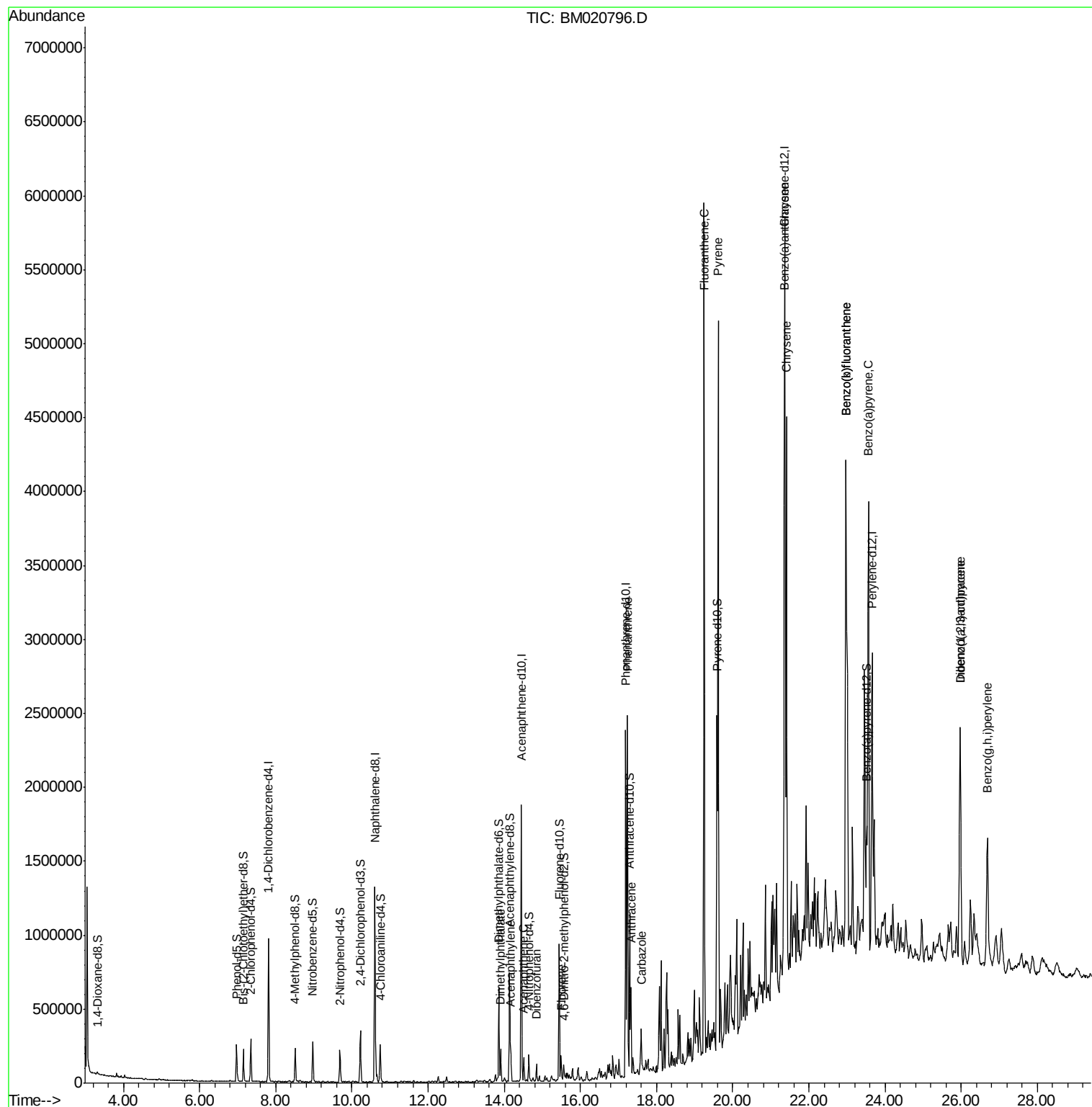
					Qvalue
44) Dimethylphthalate	13.90	163	133701	2.979 ng/ul	97
47) Acenaphthylene	14.17	152	128681	2.340 ng/ul	98
49) Acenaphthene	14.51	153	68433	1.783 ng/ul	96
53) Dibenzofuran	14.85	168	57820	1.065 ng/ul	100
58) Fluorene	15.50	166	66744	1.531 ng/ul#	98
69) Phenanthrene	17.24	178	1459048	21.254 ng/ul	99
71) Anthracene	17.33	178	369090	5.245 ng/ul	99
74) Carbazole	17.60	167	168514	2.754 ng/ul	99
76) Fluoranthene	19.25	202	3300793	41.958 ng/ul	100
79) Pyrene	19.62	202	2996315	37.031 ng/ul	98
82) Benzo(a)anthracene	21.36	228	2120811	25.936 ng/ul	97
84) Chrysene	21.41	228	1959910	25.831 ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	3045196	34.715 ng/ul	98
88) Benzo(k)fluoranthene	22.97	252	3045196	36.319 ng/ul	98
90) Benzo(a)pyrene	23.56	252	2189608	26.237 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.97	276	1491631	15.133 ng/ul	96
92) Dibenzo(a,h)anthracene	25.97	278	460829	5.518 ng/ul#	79
93) Benzo(g,h,i)perylene	26.69	276	1062295	13.284 ng/ul	99

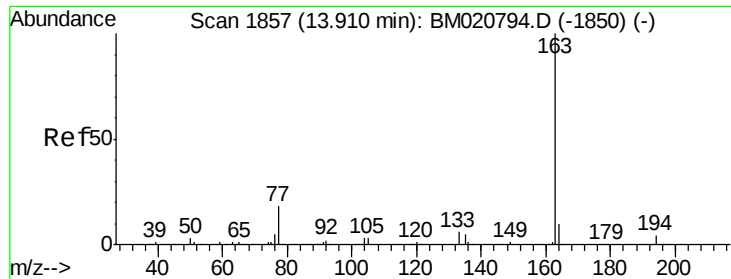
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 2.979 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

ClientSampleId :

C0AC8

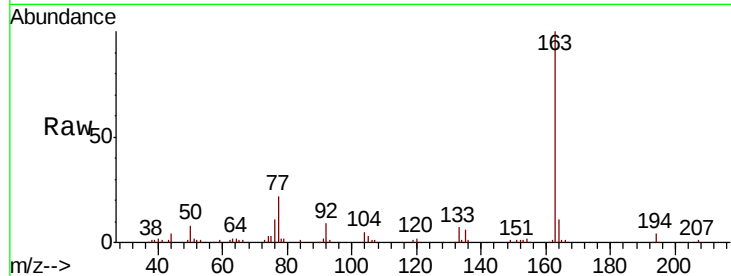
Tgt Ion:163 Resp: 133701

Ion Ratio Lower Upper

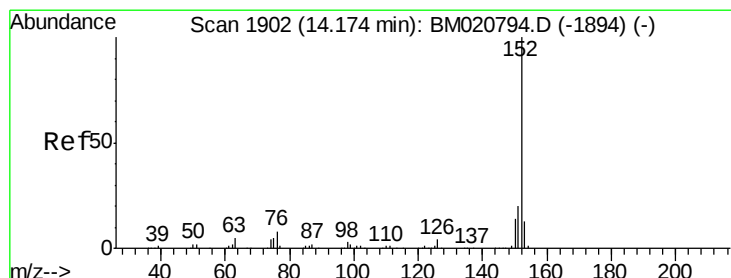
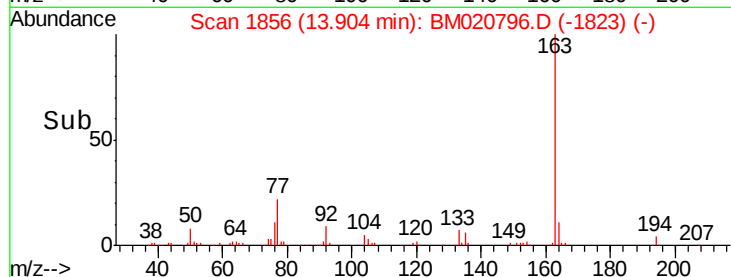
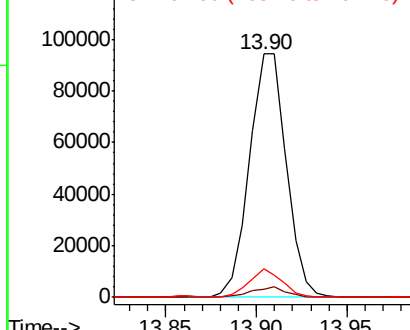
163 100

194 3.5 3.2 4.8

164 11.5 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: 2.340 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

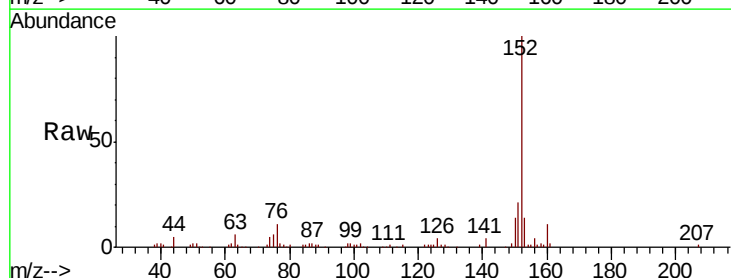
Tgt Ion:152 Resp: 128681

Ion Ratio Lower Upper

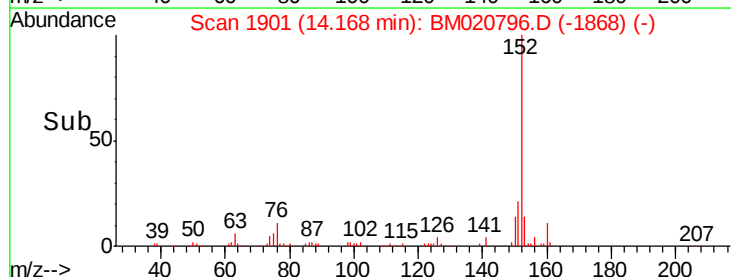
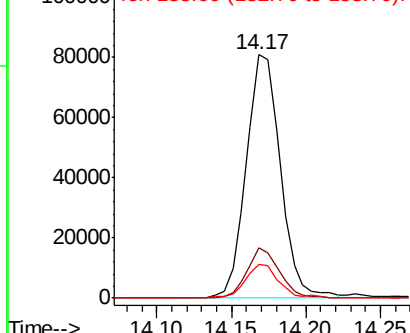
152 100

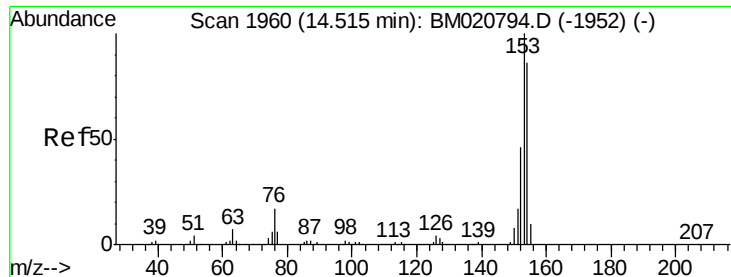
151 20.8 16.2 24.2

153 14.0 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: 1.783 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

ClientSampleId :

C0AC8

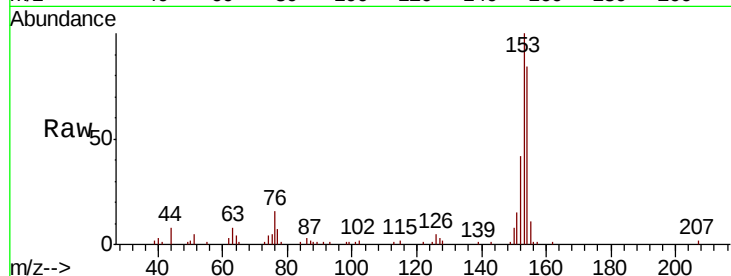
Tgt Ion:153 Resp: 68433

Ion Ratio Lower Upper

153 100

152 42.4 37.3 55.9

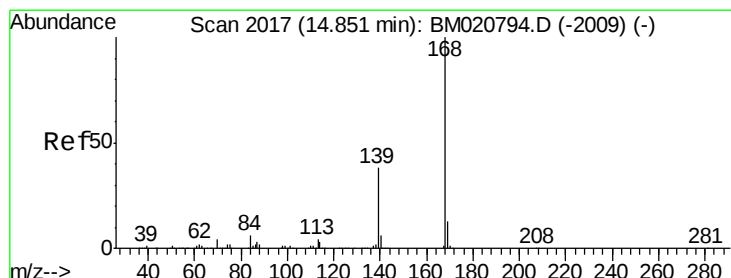
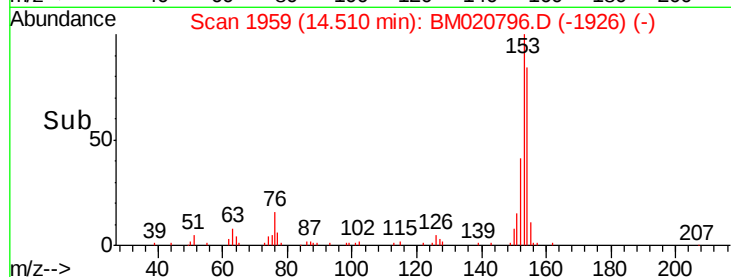
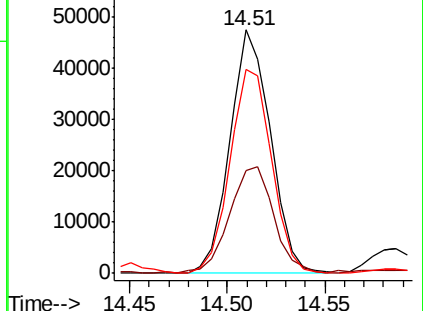
154 83.9 68.7 103.1



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: 1.065 ng/ul

RT: 14.85 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BM020796.D

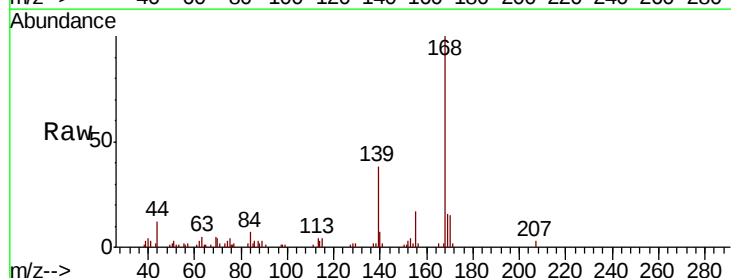
Acq: 07 Jun 2019 10:16

Tgt Ion:168 Resp: 57820

Ion Ratio Lower Upper

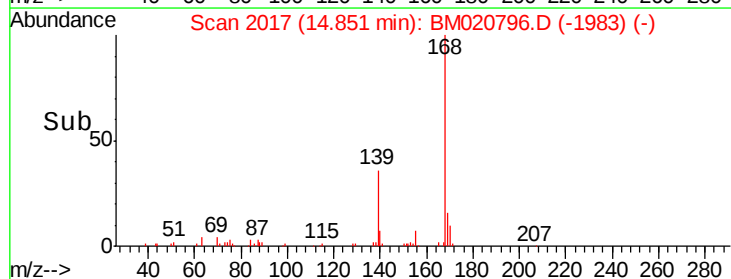
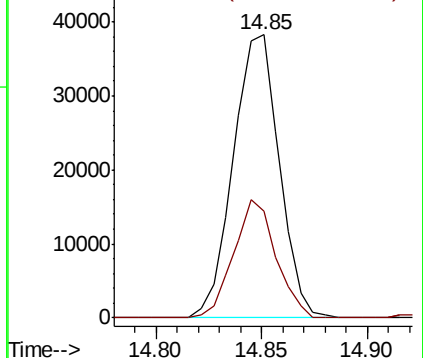
168 100

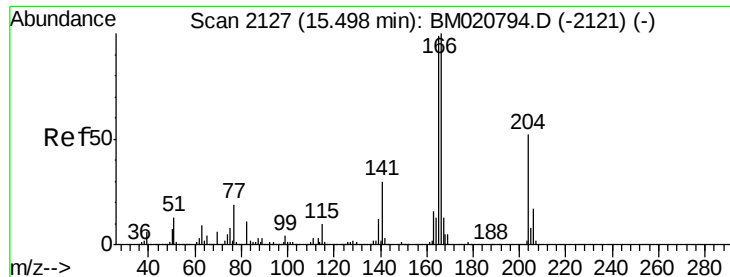
139 37.9 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.531 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. 0.00 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

ClientSampleId :

C0AC8

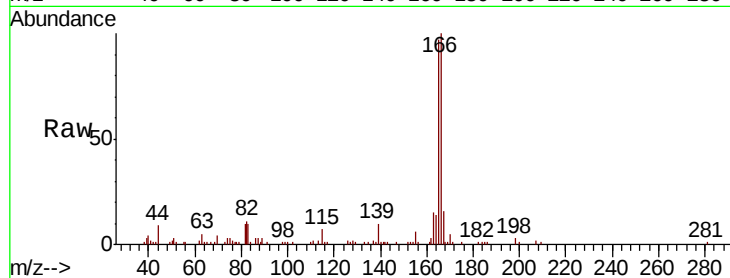
Tgt Ion:166 Resp: 66744

Ion Ratio Lower Upper

166 100

165 97.1 78.6 117.8

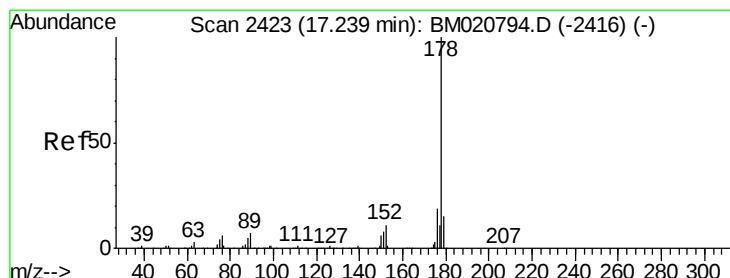
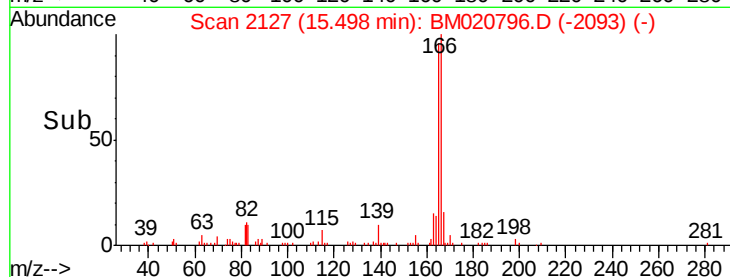
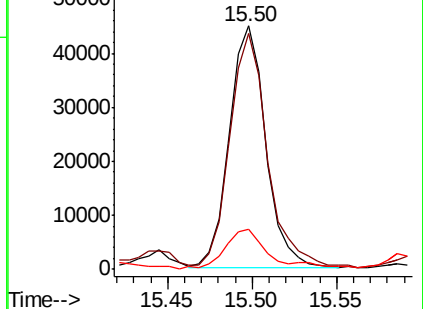
167 16.4 10.8 16.2#



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: 21.254 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

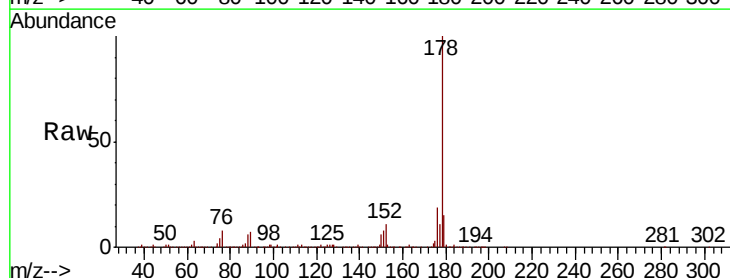
Tgt Ion:178 Resp: 1459048

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

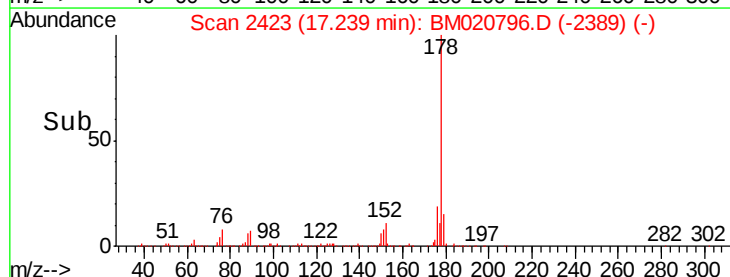
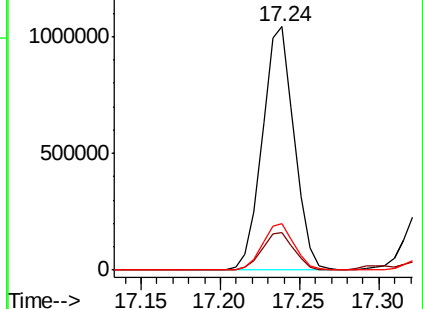
176 19.1 14.8 22.2

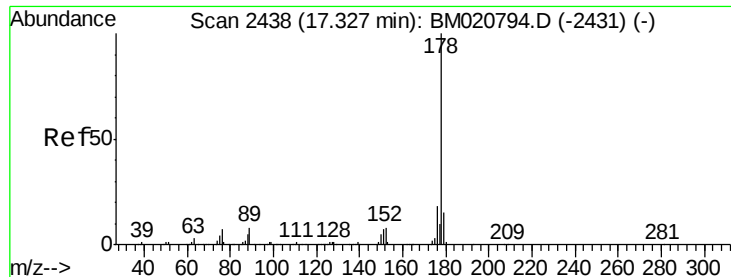


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

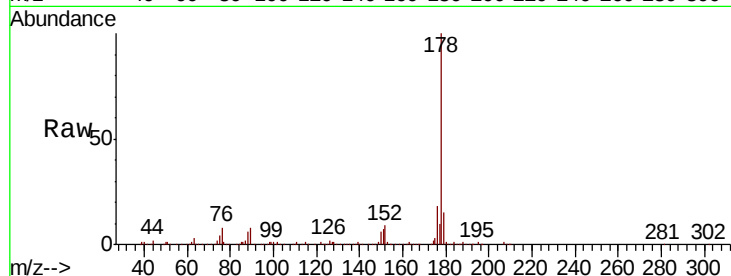




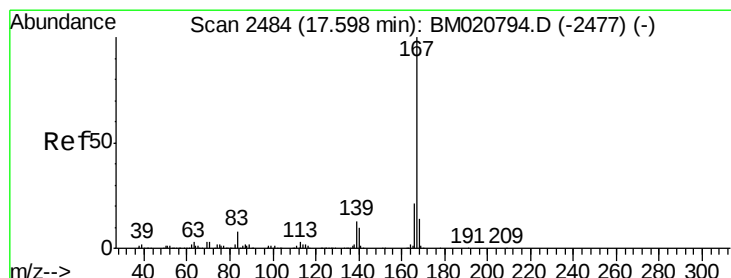
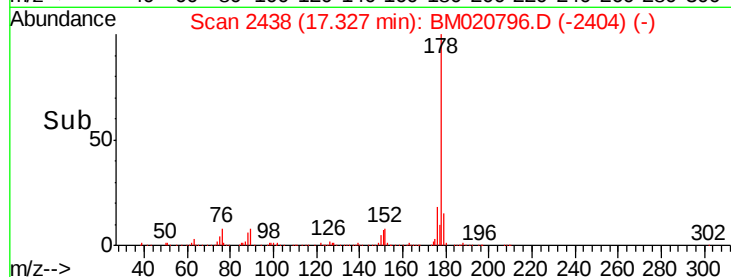
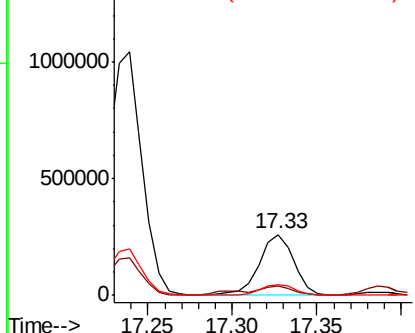
#71
 Anthracene
 Concen: 5.245 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Tgt Ion:178 Resp: 369090
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.1 18.1
 176 18.3 14.9 22.3

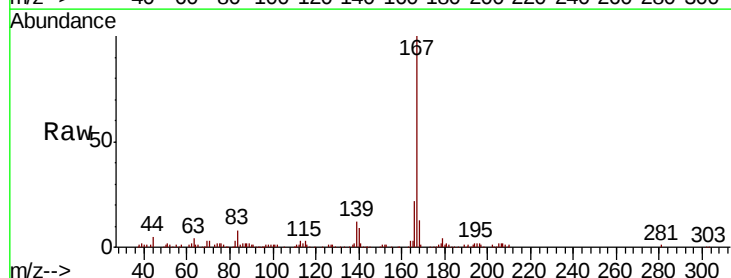


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

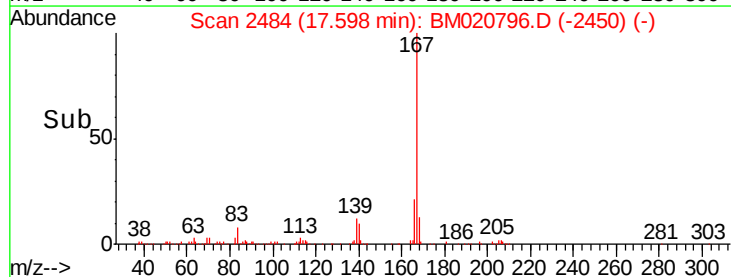
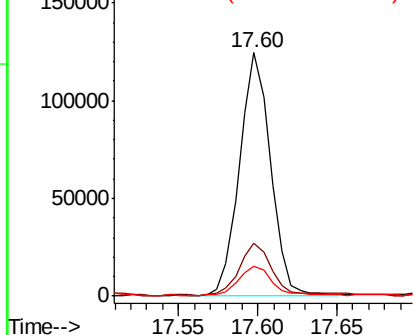


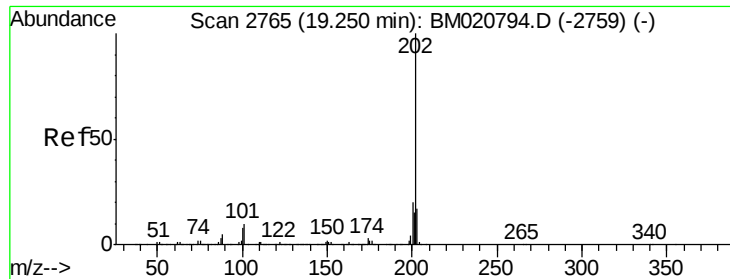
#74
 Carbazole
 Concen: 2.754 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Tgt Ion:167 Resp: 168514
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 12.4 10.5 15.7



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

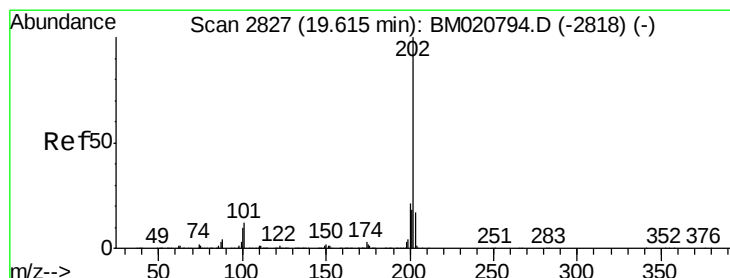
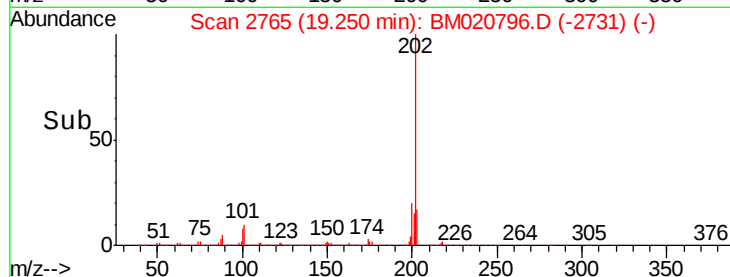
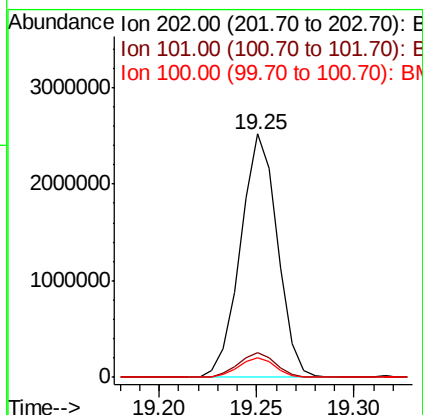
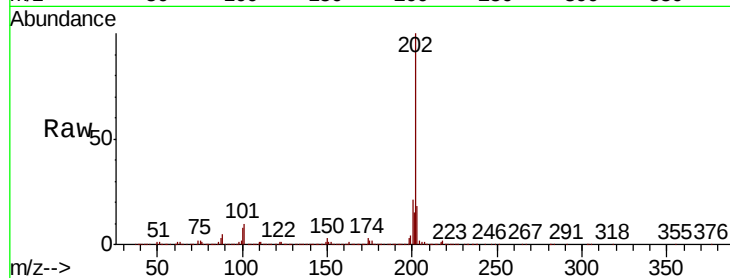




#76
 Fluoranthene
 Concen: 41.958 ng/ul
 RT: 19.25 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

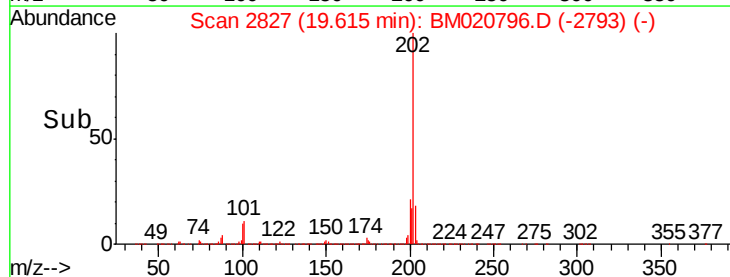
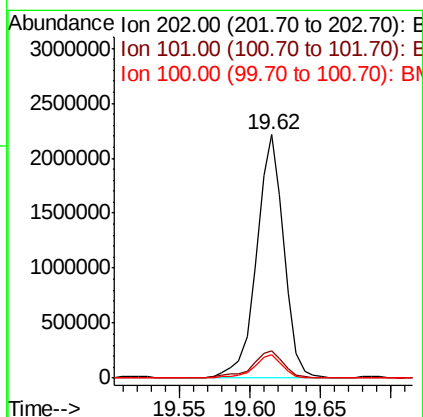
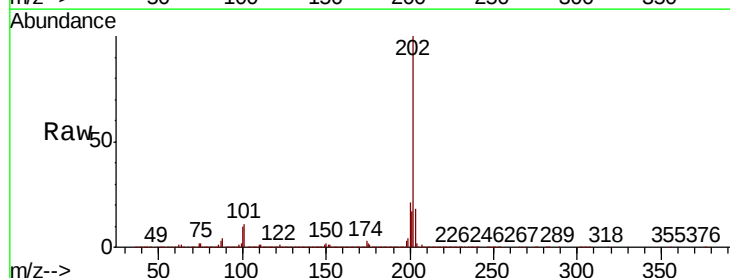
Instrument :
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 ClientSampleId :
 C0AC8

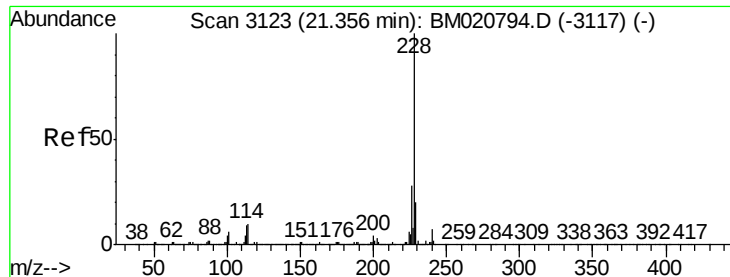
Tgt Ion:202 Resp: 3300793
 Ion Ratio Lower Upper
 202 100
 101 10.1 7.9 11.9
 100 7.8 6.2 9.4



#79
 Pyrene
 Concen: 37.031 ng/ul
 RT: 19.62 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Tgt Ion:202 Resp: 2996315
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.8 14.6
 100 9.6 8.0 12.0





#82

Benzo(a)anthracene

Concen: 25.936 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

ClientSampleId :

C0AC8

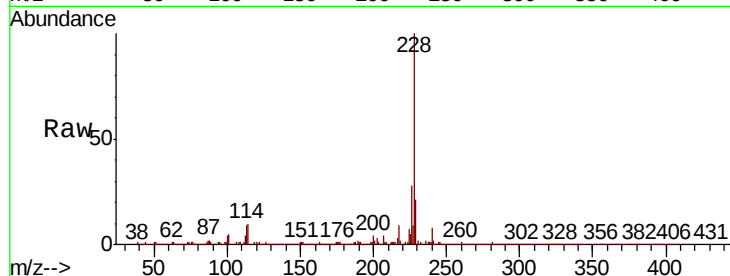
Tgt Ion:228 Resp: 2120811

Ion Ratio Lower Upper

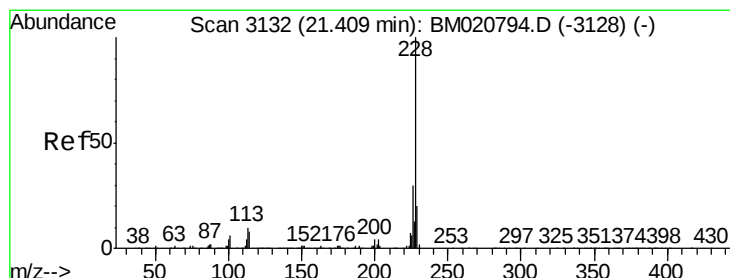
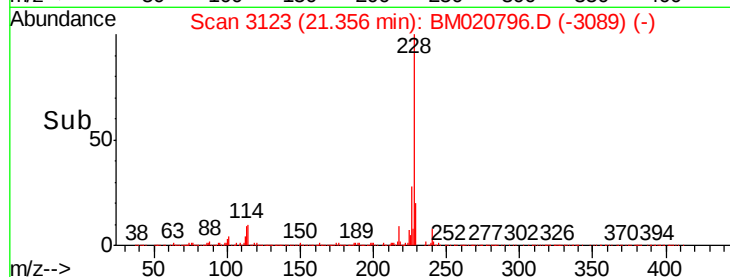
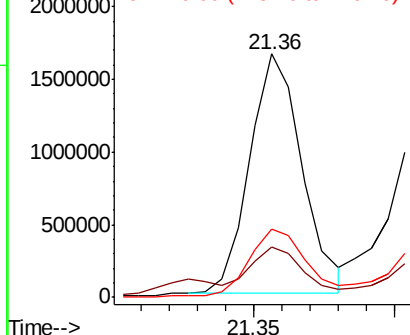
228 100

229 20.9 15.6 23.4

226 28.0 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: 25.831 ng/ul

RT: 21.41 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

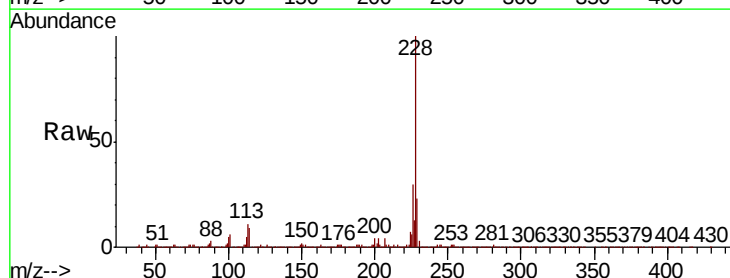
Tgt Ion:228 Resp: 1959910

Ion Ratio Lower Upper

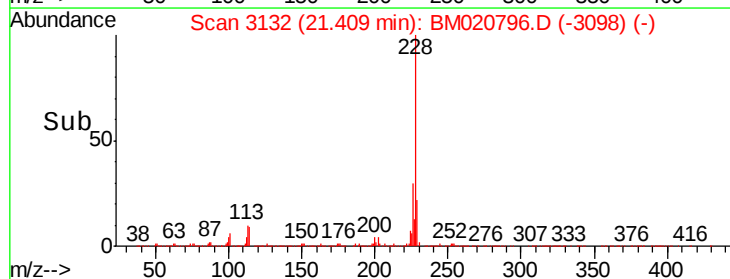
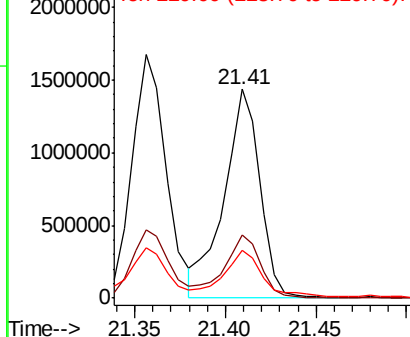
228 100

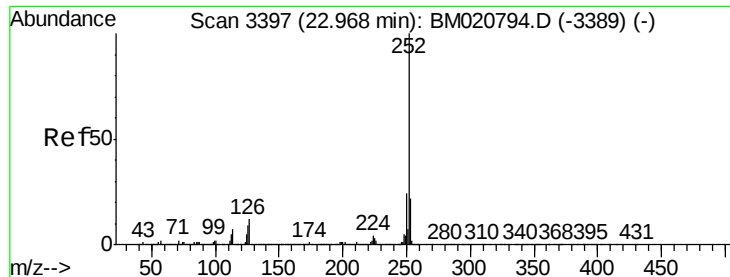
226 30.3 24.4 36.6

229 23.0 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: 34.715 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

ClientSampleId :

C0AC8

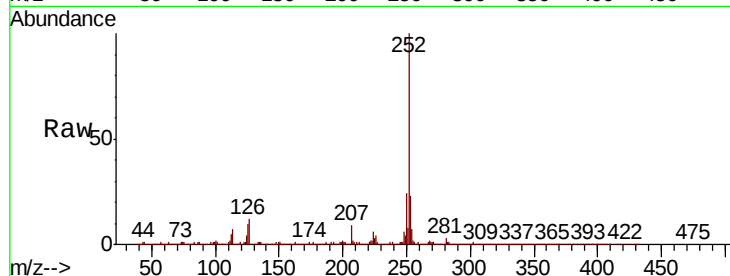
Tgt Ion:252 Resp: 3045196

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

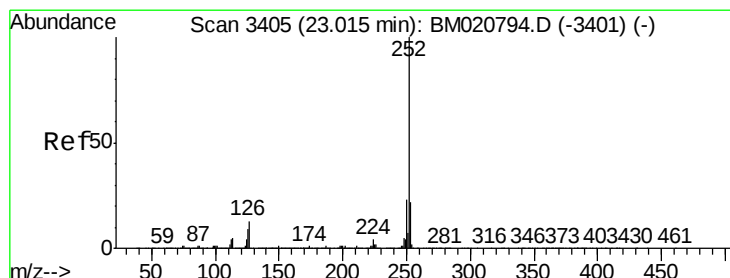
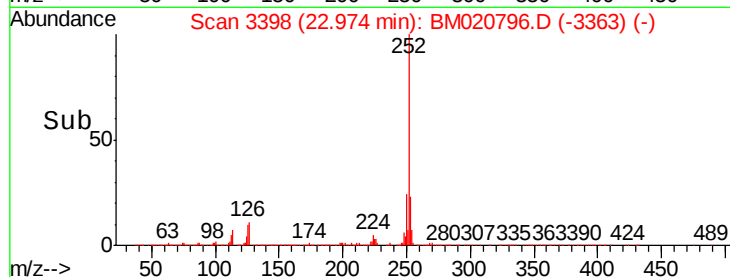
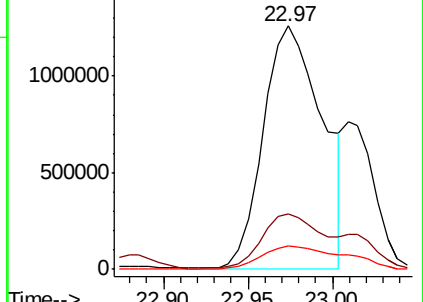
125 9.7 7.3 10.9



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: 36.319 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

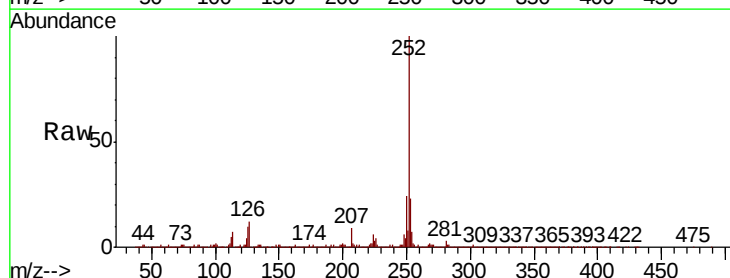
Tgt Ion:252 Resp: 3045196

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

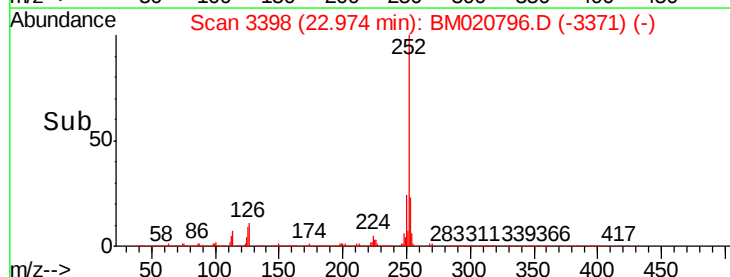
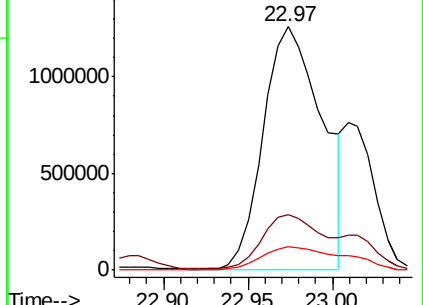
125 9.7 7.3 10.9

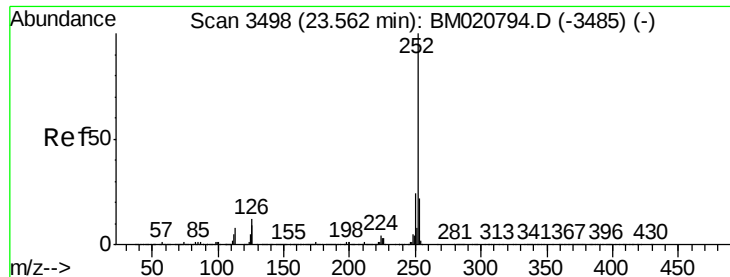


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 26.237 ng/ul

RT: 23.56 min Scan# 3498

Delta R.T. 0.00 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

ClientSampleId :

C0AC8

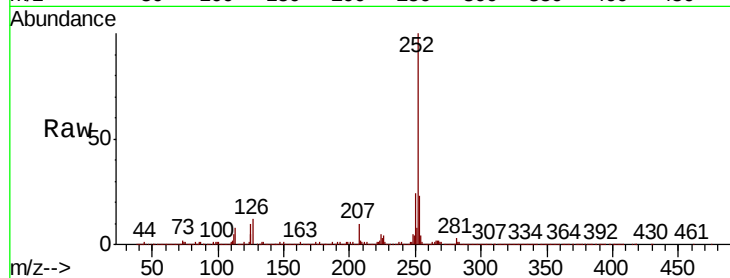
Tgt Ion:252 Resp: 2189608

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

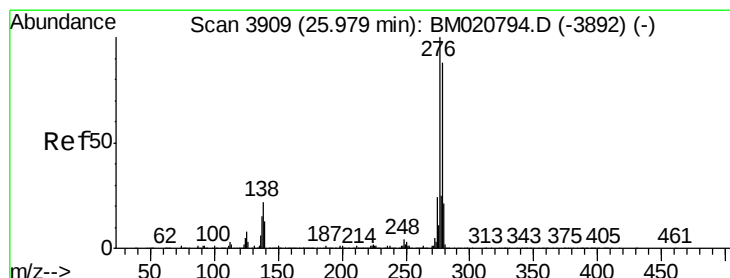
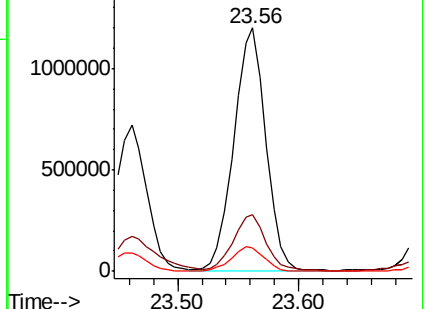
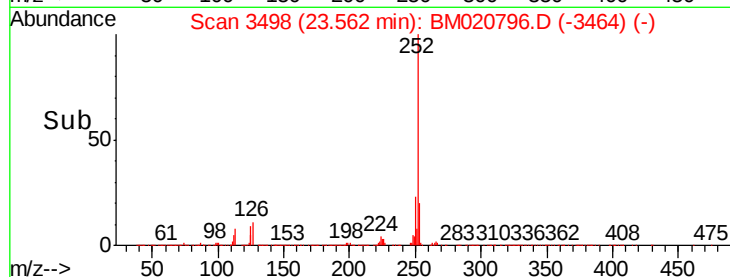
125 9.9 8.2 12.4



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: 15.133 ng/ul

RT: 25.97 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

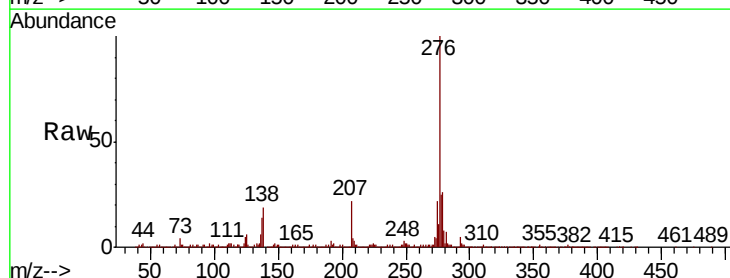
Tgt Ion:276 Resp: 1491631

Ion Ratio Lower Upper

276 100

138 18.8 17.8 26.8

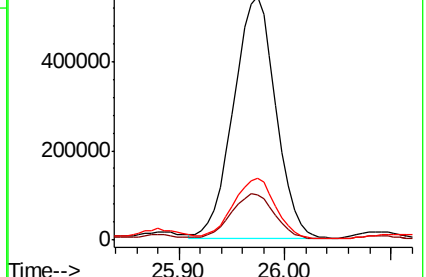
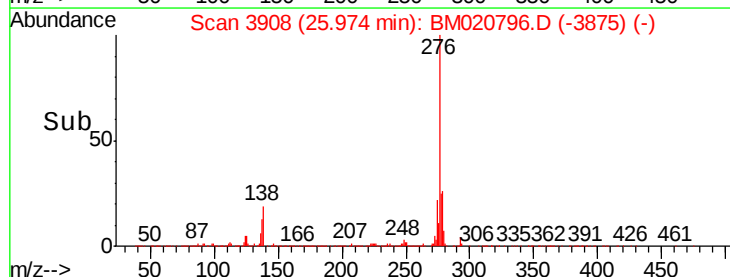
277 25.4 20.0 30.0

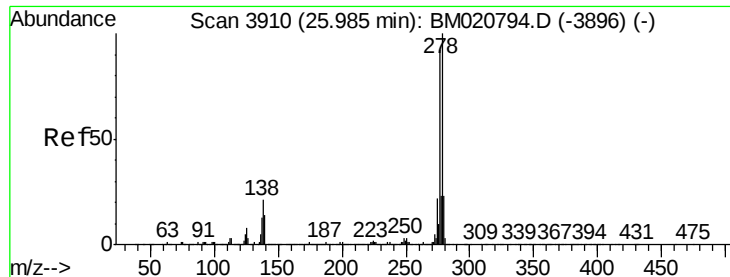


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

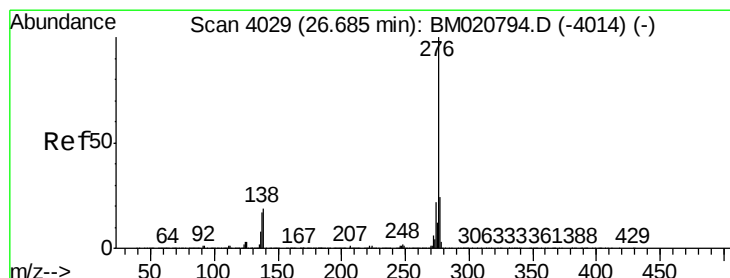
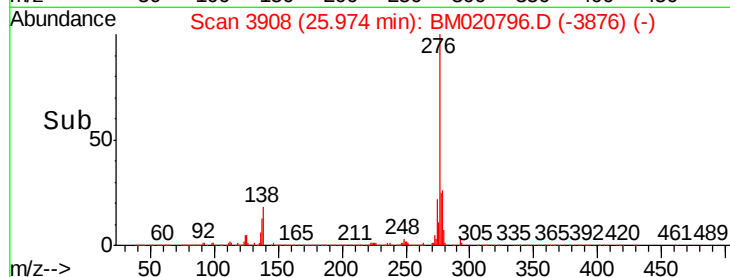
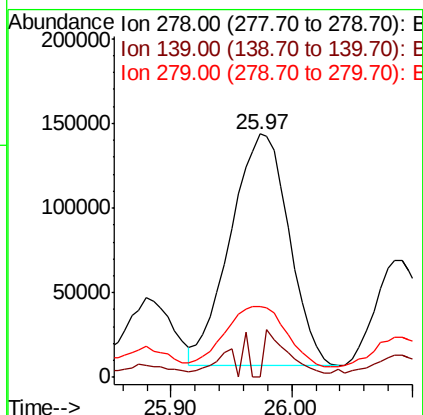
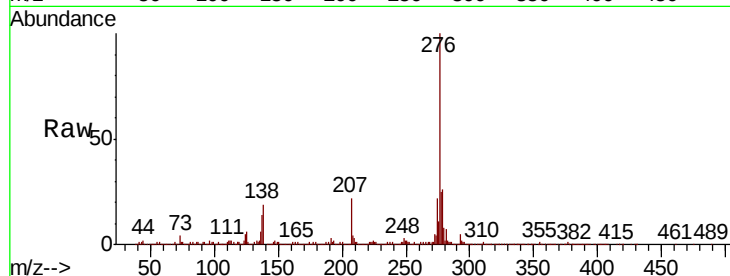




#92
Dibenzo(a,h)anthracene
Concen: 5.518 ng/ul
RT: 25.97 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM020796.D
Acq: 07 Jun 2019 10:16

Instrument :
BNA_M
ClientSampleId :
C0AC8

Tgt Ion: 278 Resp: 460829
Ion Ratio Lower Upper
278 100
139 0.0 11.6 17.4#
279 29.1 18.6 28.0#



#93
Benzo(g,h,i)perylene
Concen: 13.284 ng/ul
RT: 26.69 min Scan# 4029
Delta R.T. 0.00 min
Lab File: BM020796.D
Acq: 07 Jun 2019 10:16

Tgt Ion: 276 Resp: 1062295
Ion Ratio Lower Upper
276 100
138 19.5 16.6 25.0
277 24.4 19.6 29.4

