

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020799.D
 Acq On : 07 Jun 2019 12:04
 Operator : HP/JU
 Sample : K3201-05DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB6DL

Quant Time: Jun 08 00:24:17 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	440551	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1802539	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	1027615	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	2135130	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1876928	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	2158816	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	22308	2.41	ng/uL	0.00
5) Phenol-d5	6.97	99	489795	14.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	300942	14.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	421405	15.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	404731	14.92	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	206275	16.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	226524	17.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	443363	16.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	392759	12.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1379873	18.15	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1662327	17.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	154340	11.83	ng/ul	0.00
57) Fluorene-d10	15.44	176	1117946	17.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	91786	8.41	ng/ul	0.00
70) Anthracene-d10	17.29	188	1632544	17.50	ng/ul	0.00
78) Pyrene-d10	19.59	212	1592707	17.56	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1615211	16.46	ng/ul	0.00

Target Compounds

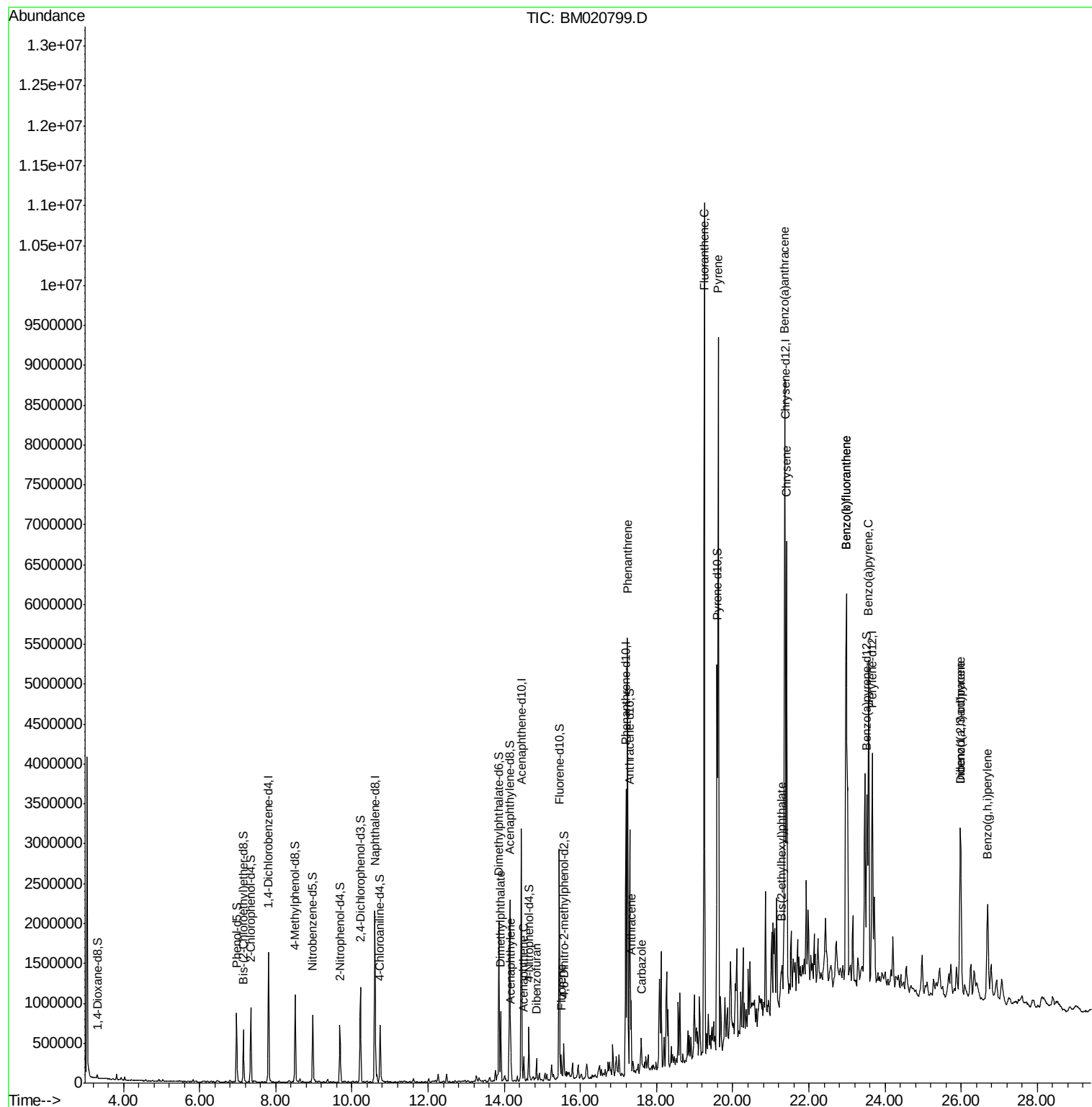
					Qvalue	
44) Dimethylphthalate	13.90	163	551552	7.247	ng/ul	99
47) Acenaphthylene	14.17	152	243544	2.612	ng/ul	98
49) Acenaphthene	14.52	153	125339	1.925	ng/ul	98
53) Dibenzofuran	14.84	168	115391	1.253	ng/ul	100
58) Fluorene	15.50	166	121395	1.642	ng/ul#	99
69) Phenanthrene	17.24	178	3177356	29.569	ng/ul	99
71) Anthracene	17.33	178	564154	5.122	ng/ul	99
74) Carbazole	17.60	167	242515	2.532	ng/ul	97
76) Fluoranthene	19.26	202	6318706	51.312	ng/ul	99
79) Pyrene	19.62	202	5789059	49.966	ng/ul	98
82) Benzo(a)anthracene	21.36	228	3105400	26.522	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.29	149	98944	1.242	ng/ul	99
84) Chrysene	21.42	228	3226810	29.701	ng/ul	98
87) Benzo(b)fluoranthene	22.98	252	4381835	34.891	ng/ul	98
88) Benzo(k)fluoranthene	22.98	252	4381835	36.504	ng/ul	98
90) Benzo(a)pyrene	23.57	252	2831479	23.699	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.98	276	2063807	14.625	ng/ul	96
92) Dibenzo(a,h)anthracene	25.99	278	574301	4.803	ng/ul#	82
93) Benzo(g,h,i)perylene	26.69	276	1596532	13.945	ng/ul	98

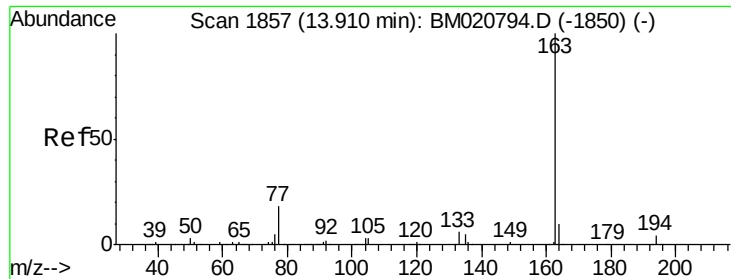
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 08 00:20:16 2019
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 7.247 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

Instrument :

BNA_M

ClientSampled :

C0AB6DL

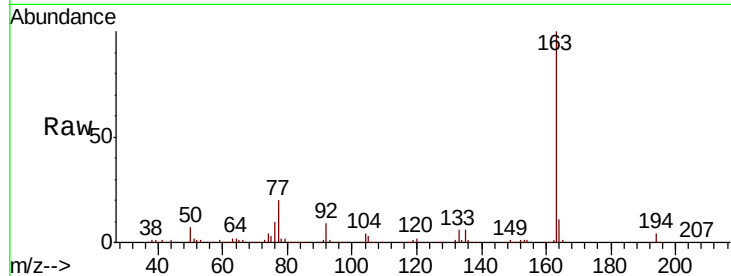
Tgt Ion:163 Resp: 551552

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

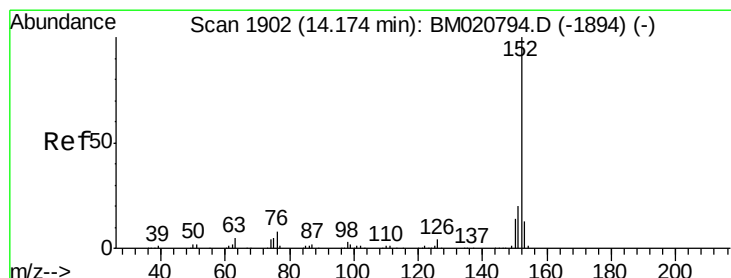
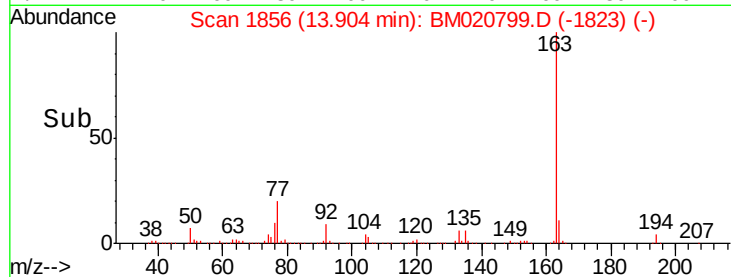
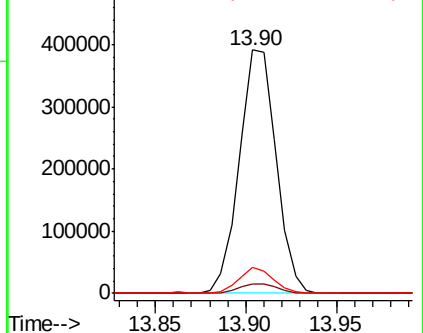
164 10.5 8.0 12.0



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: 2.612 ng/ul

RT: 14.17 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

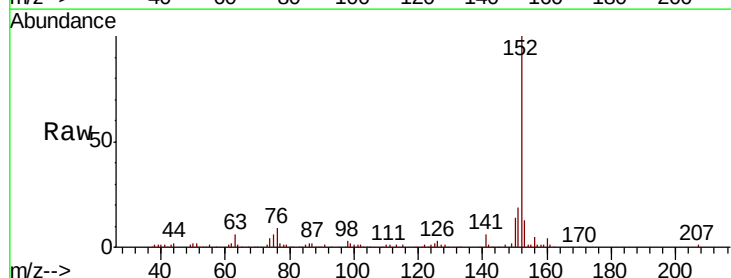
Tgt Ion:152 Resp: 243544

Ion Ratio Lower Upper

152 100

151 18.9 16.2 24.2

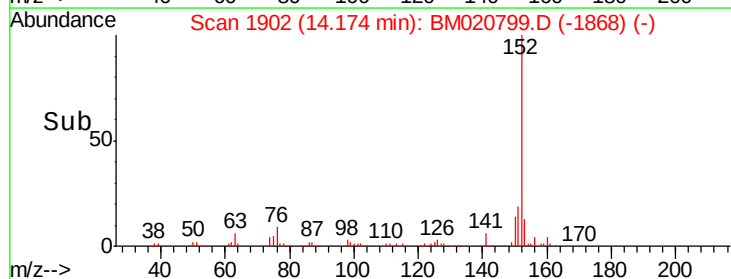
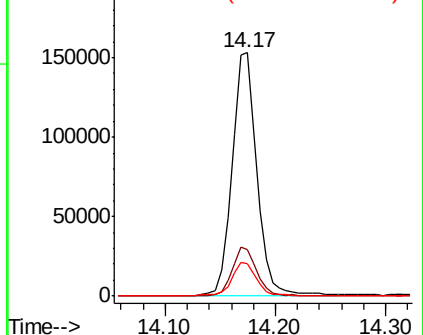
153 13.4 10.6 15.8

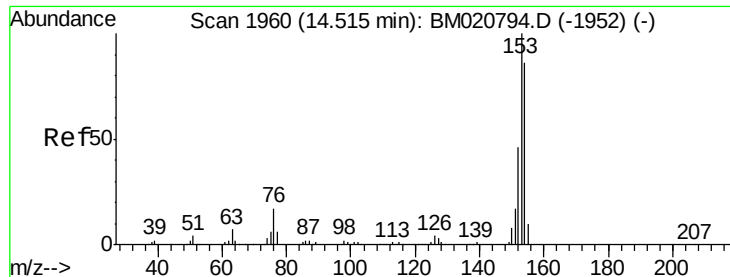


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.925 ng/ul

RT: 14.52 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

Instrument :

BNA_M

ClientSampleId :

C0AB6DL

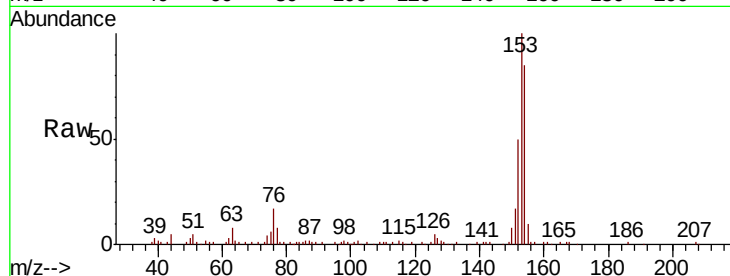
Tgt Ion:153 Resp: 125339

Ion Ratio Lower Upper

153 100

152 49.7 37.3 55.9

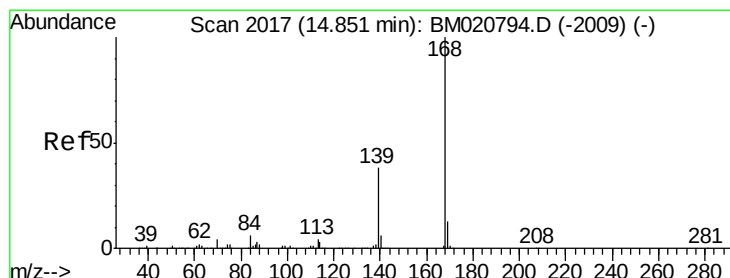
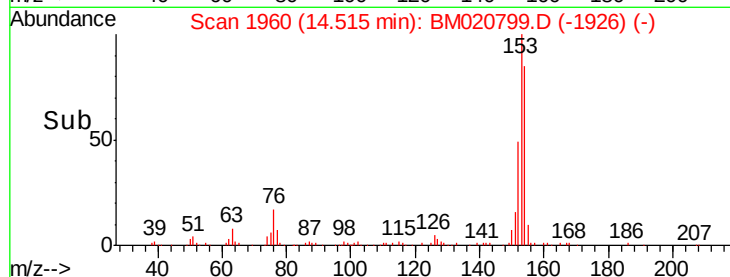
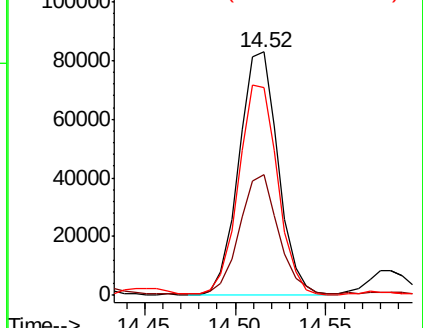
154 85.3 68.7 103.1



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: 1.253 ng/ul

RT: 14.84 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BM020799.D

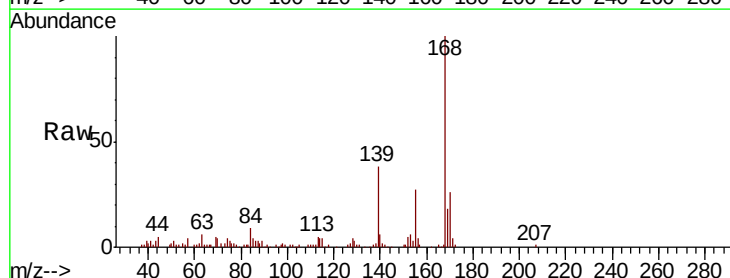
Acq: 07 Jun 2019 12:04

Tgt Ion:168 Resp: 115391

Ion Ratio Lower Upper

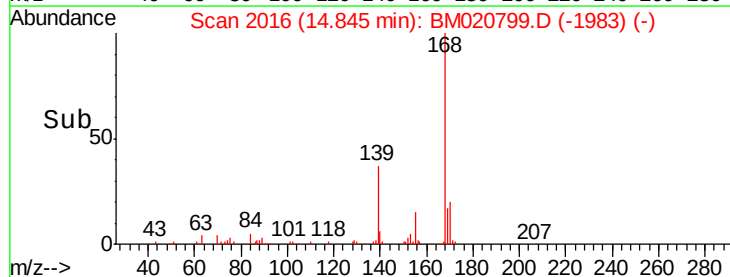
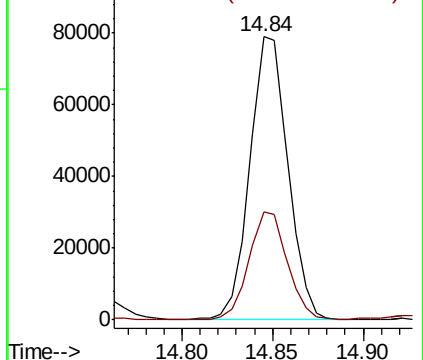
168 100

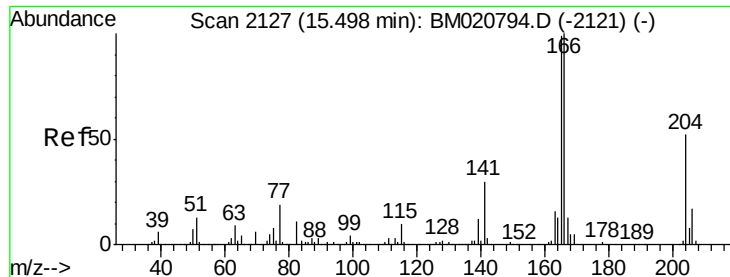
139 38.2 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.642 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

Instrument :

BNA_M

ClientSampleId :

C0AB6DL

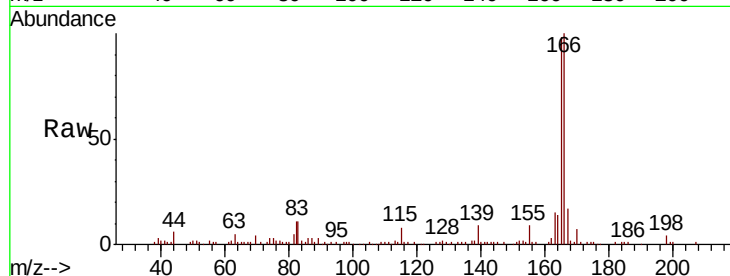
Tgt Ion:166 Resp: 121395

Ion Ratio Lower Upper

166 100

165 97.8 78.6 117.8

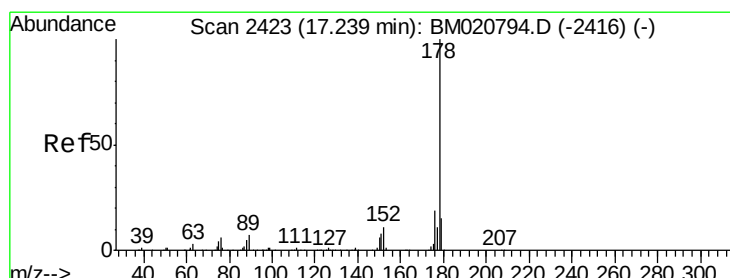
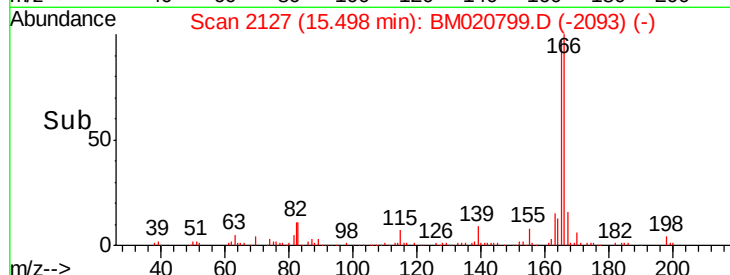
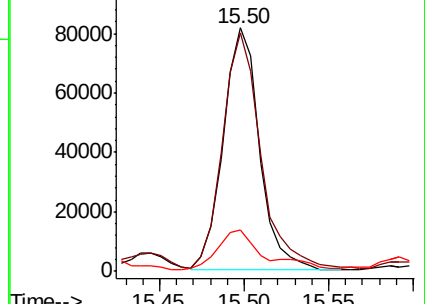
167 16.8 10.8 16.2#



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: 29.569 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

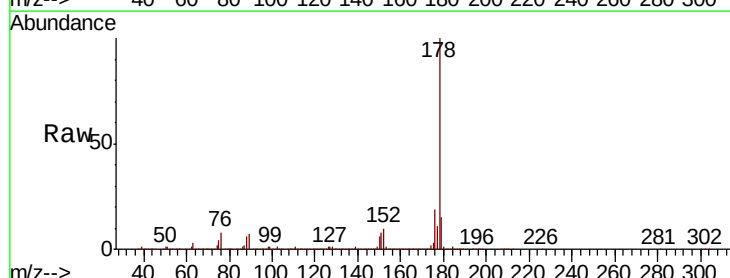
Tgt Ion:178 Resp: 3177356

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

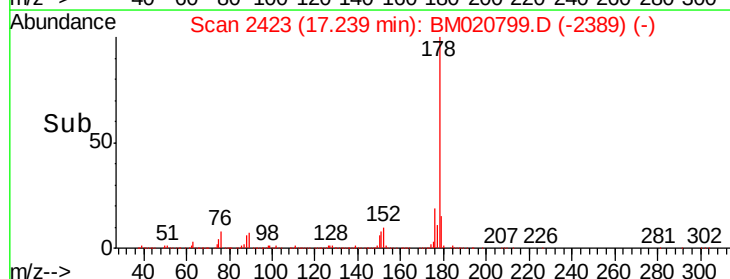
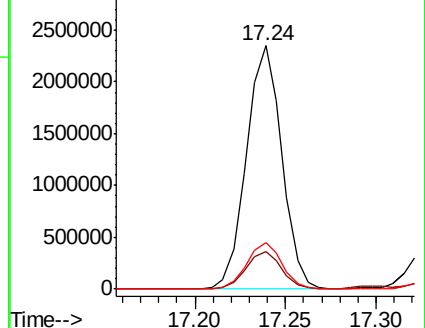
176 19.0 14.8 22.2

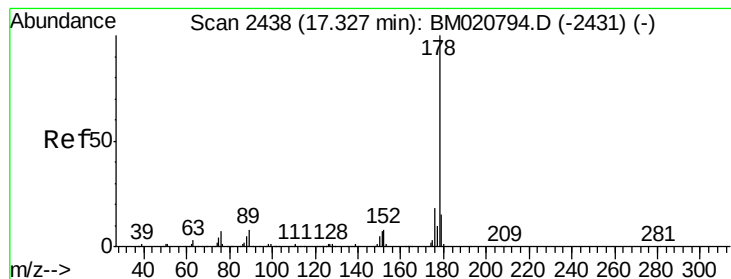


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.122 ng/ul

RT: 17.33 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

Instrument :

BNA_M

ClientSampleId :

C0AB6DL

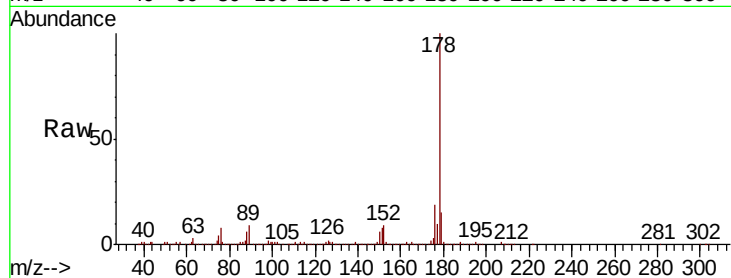
Tgt Ion:178 Resp: 564154

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

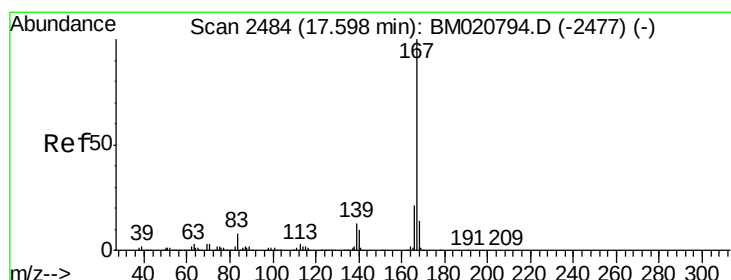
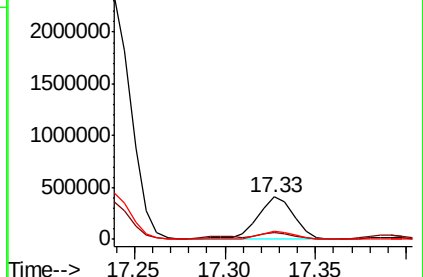
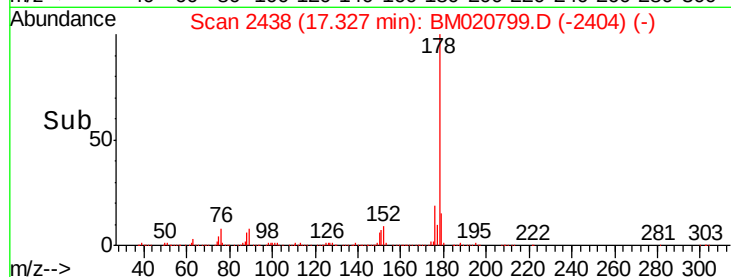
176 18.7 14.9 22.3



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: 2.532 ng/ul

RT: 17.60 min Scan# 2484

Delta R.T. -0.00 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

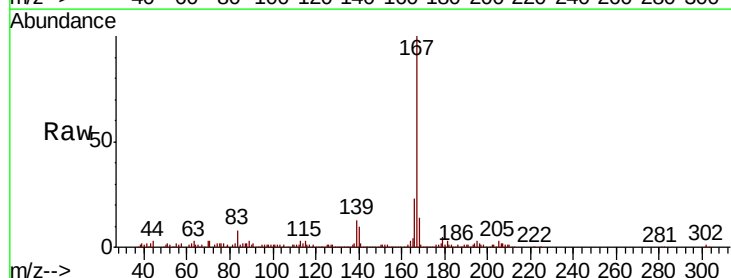
Tgt Ion:167 Resp: 242515

Ion Ratio Lower Upper

167 100

166 23.0 17.0 25.6

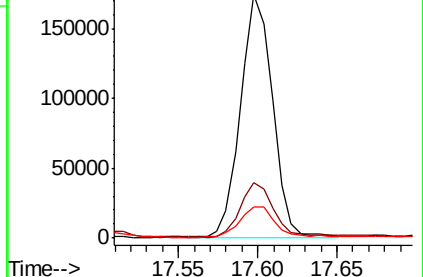
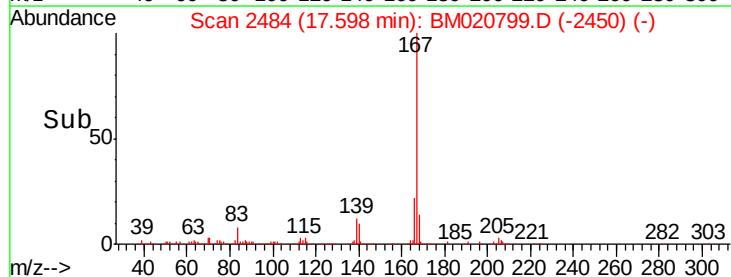
139 12.8 10.5 15.7

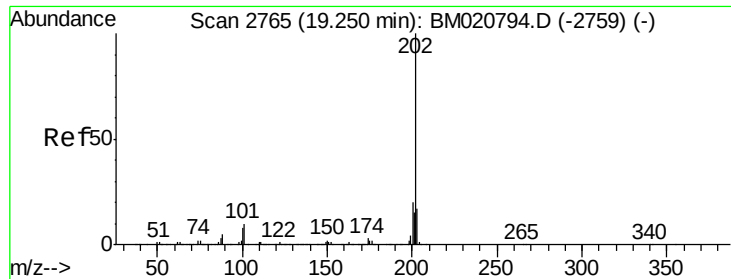


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

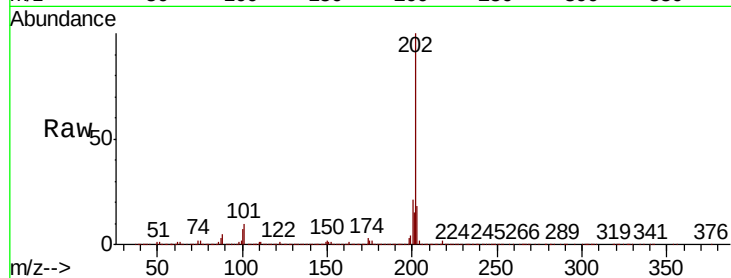




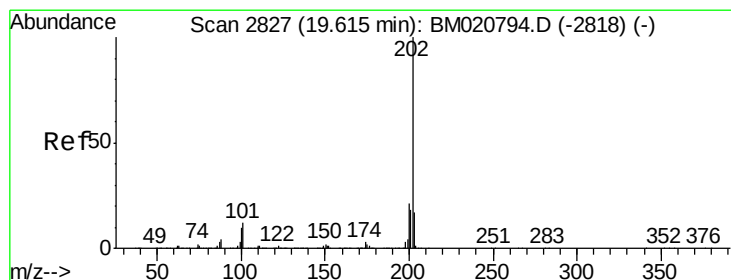
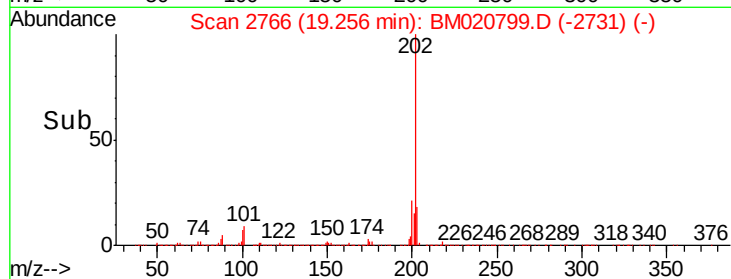
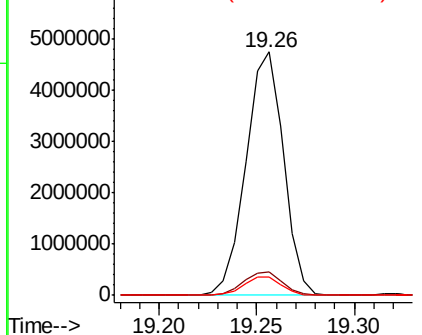
#76
 Fluoranthene
 Concen: 51.312 ng/ul
 RT: 19.26 min Scan# 2766
 Delta R.T. 0.01 min
 Lab File: BM020799.D
 Acq: 07 Jun 2019 12:04

Instrument :
 BNA_M
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Tgt Ion:202 Resp: 6318706
 Ion Ratio Lower Upper
 202 100
 101 9.5 7.9 11.9
 100 7.3 6.2 9.4

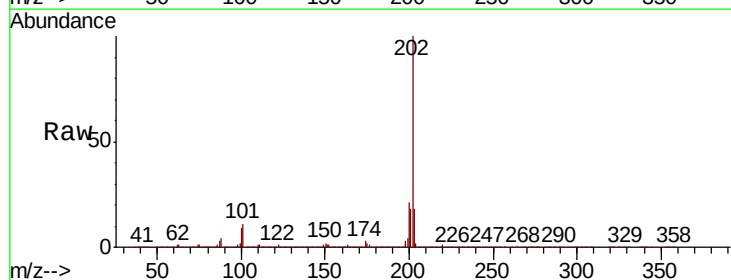


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

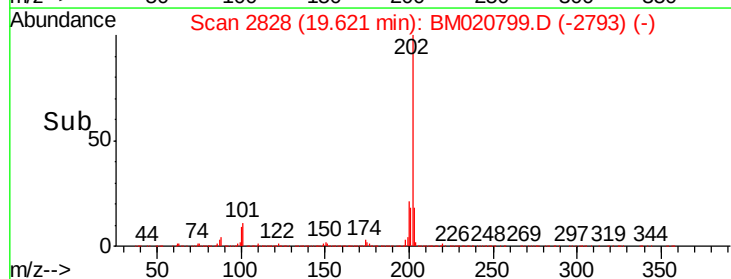
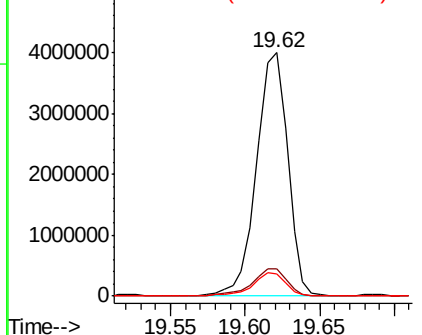


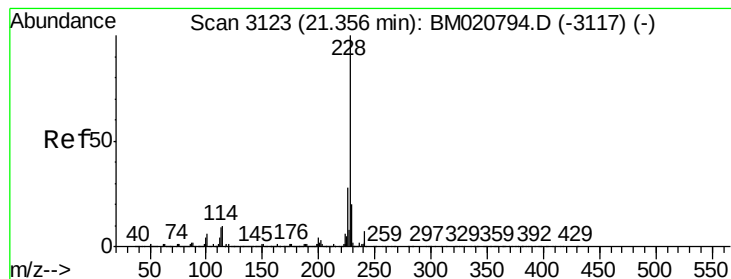
#79
 Pyrene
 Concen: 49.966 ng/ul
 RT: 19.62 min Scan# 2828
 Delta R.T. 0.01 min
 Lab File: BM020799.D
 Acq: 07 Jun 2019 12:04

Tgt Ion:202 Resp: 5789059
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.8 14.6
 100 9.3 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: 26.522 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

Instrument :

BNA_M

ClientSampleId :

C0AB6DL

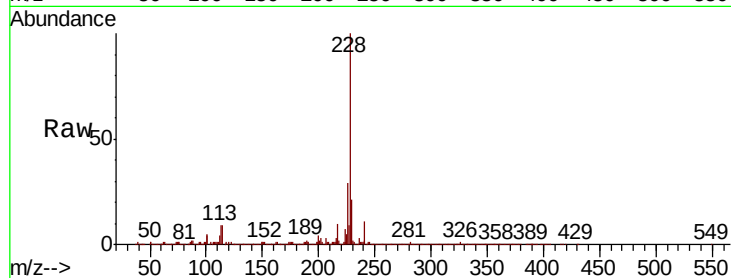
Tgt Ion:228 Resp: 3105400

Ion Ratio Lower Upper

228 100

229 20.6 15.6 23.4

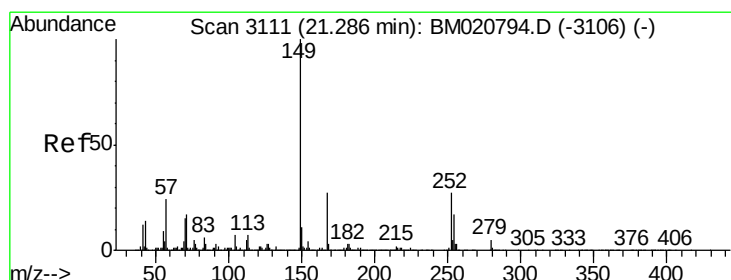
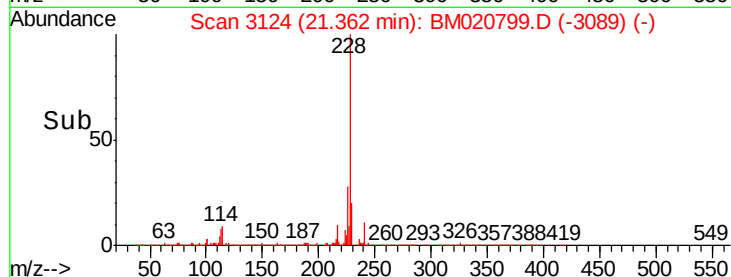
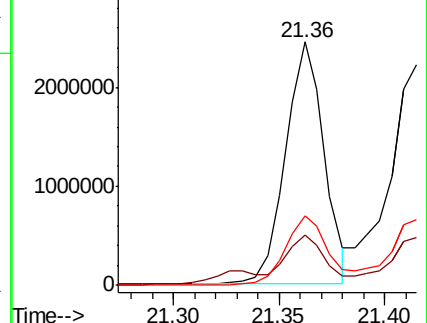
226 28.5 21.4 32.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 1.242 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

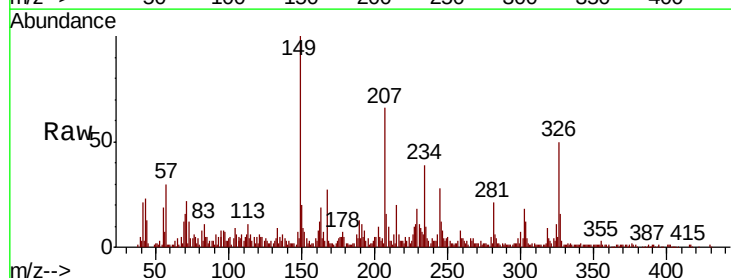
Tgt Ion:149 Resp: 98944

Ion Ratio Lower Upper

149 100

167 26.8 21.9 32.9

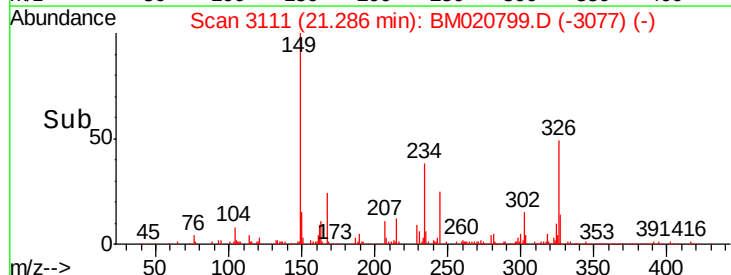
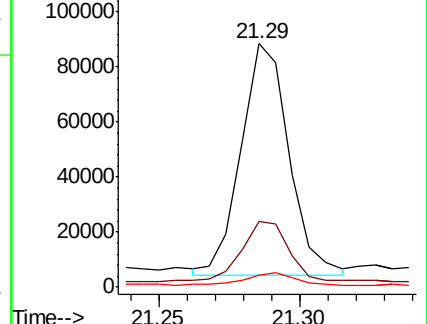
279 5.2 4.1 6.1

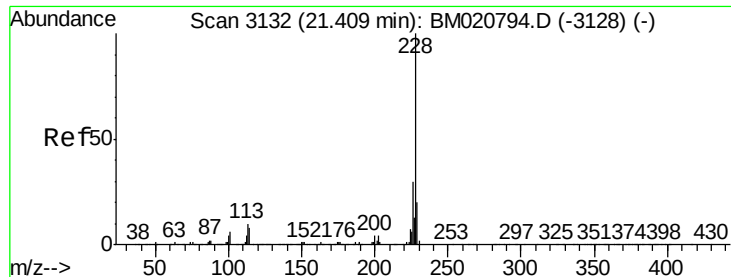


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 29.701 ng/ul

RT: 21.42 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

Instrument :

BNA_M

ClientSampleId :

C0AB6DL

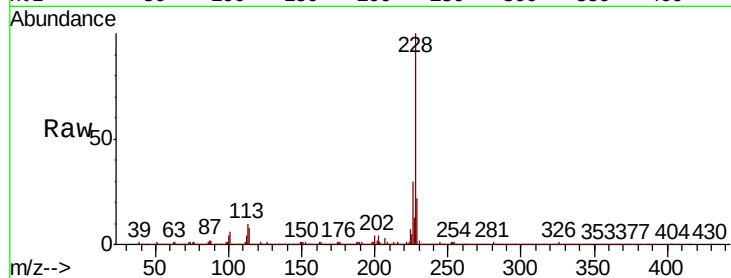
Tgt Ion:228 Resp: 3226810

Ion Ratio Lower Upper

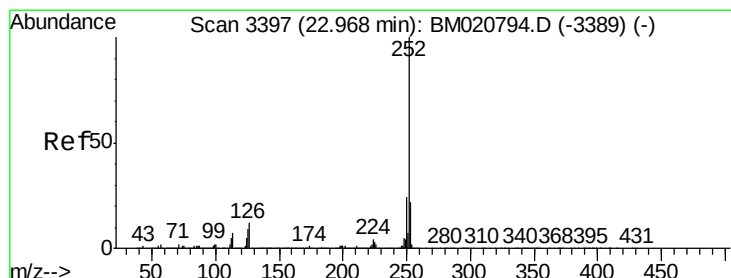
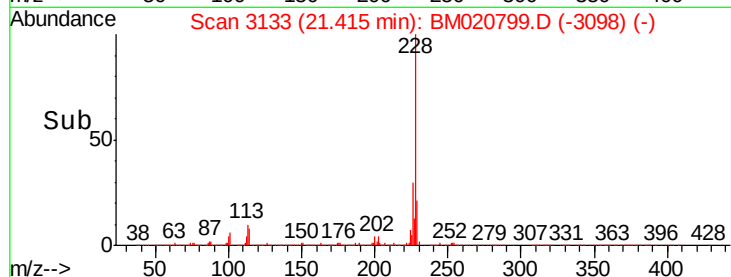
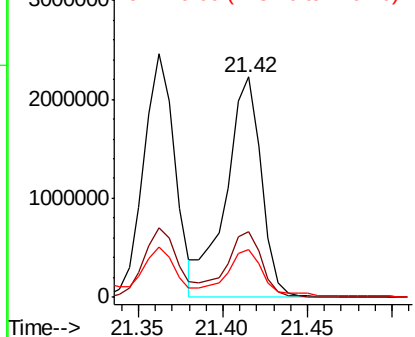
228 100

226 30.0 24.4 36.6

229 21.6 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: 34.891 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.01 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

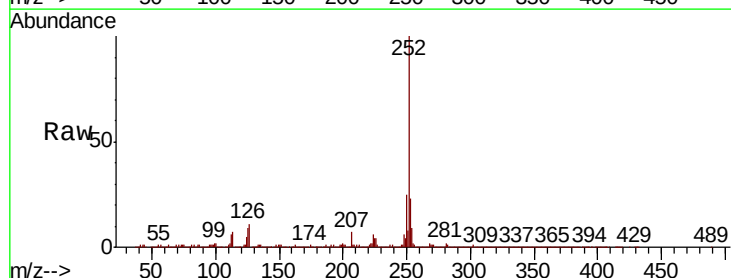
Tgt Ion:252 Resp: 4381835

Ion Ratio Lower Upper

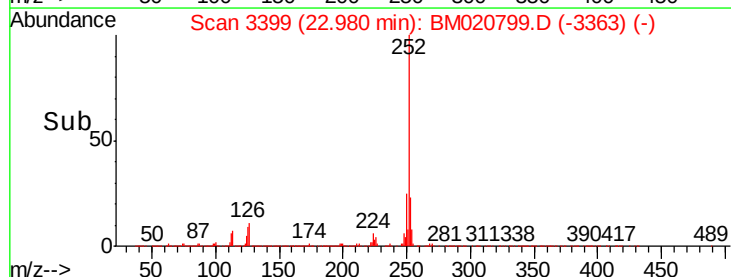
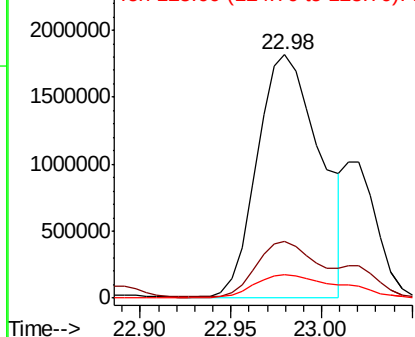
252 100

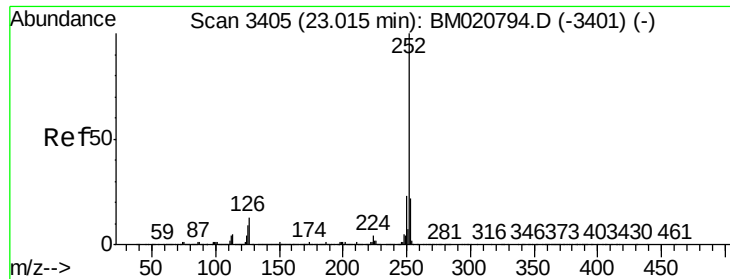
253 23.4 17.6 26.4

125 9.5 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: 36.504 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. -0.04 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

Instrument :

BNA_M

ClientSampleId :

C0AB6DL

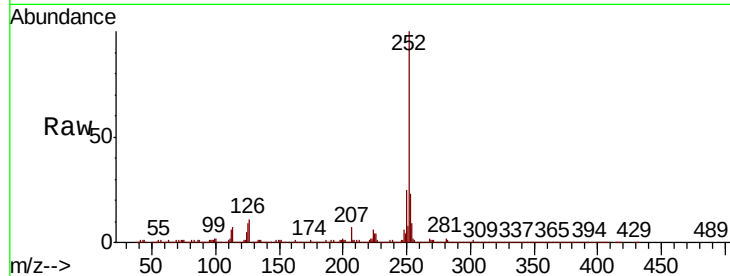
Tgt Ion:252 Resp: 4381835

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

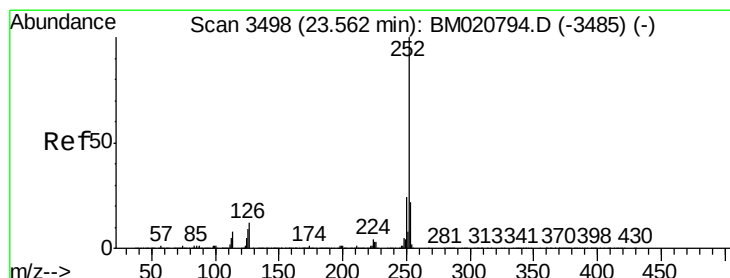
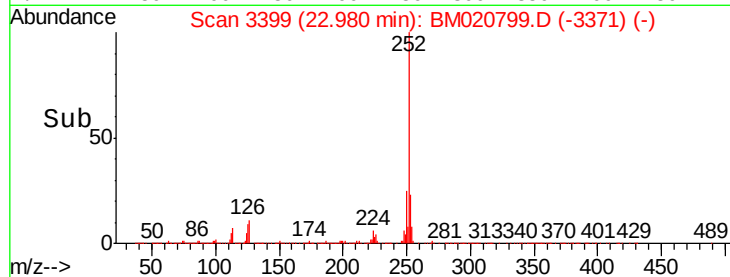
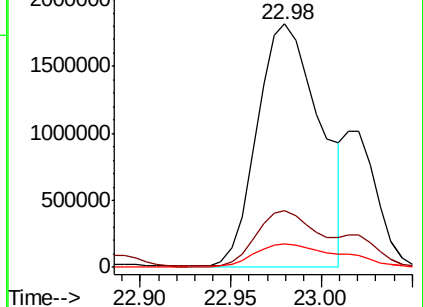
125 9.5 7.3 10.9



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: 23.699 ng/ul

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

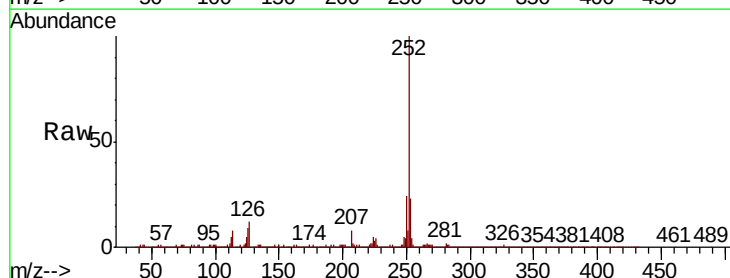
Tgt Ion:252 Resp: 2831479

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

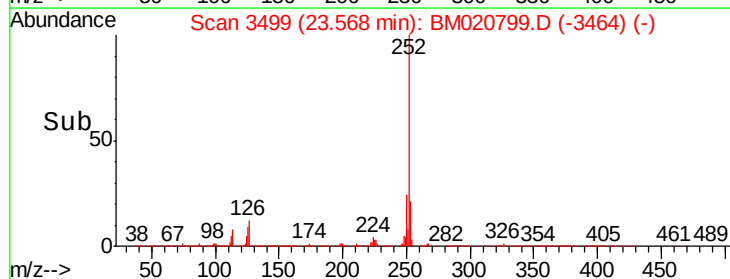
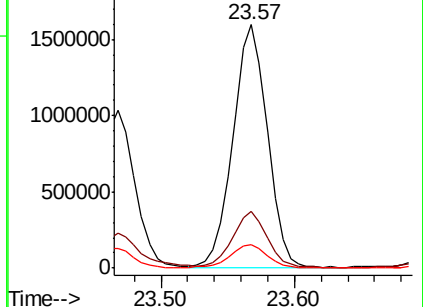
125 9.5 8.2 12.4

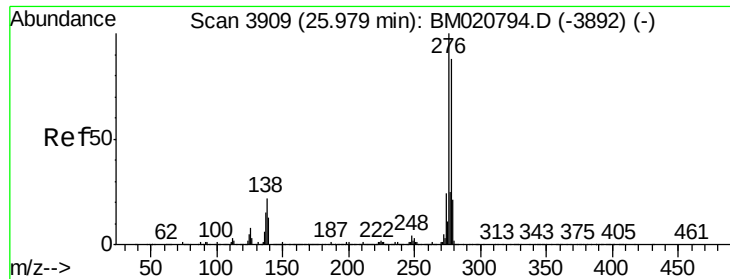


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



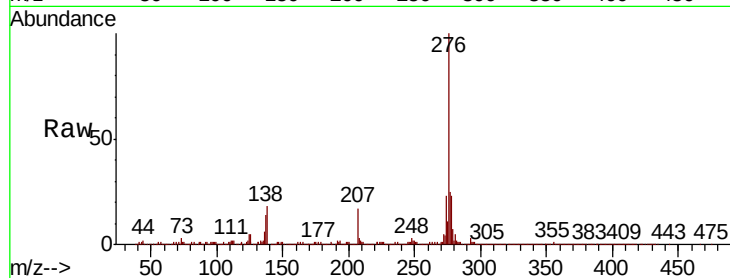


#91

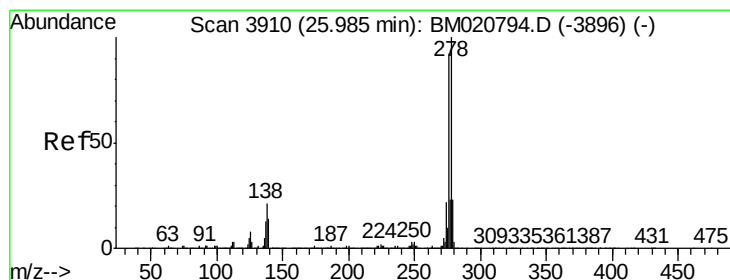
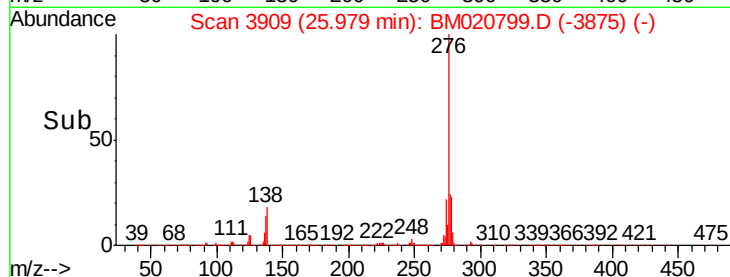
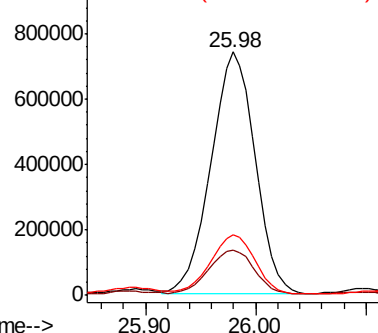
Indeno(1,2,3-cd)pyrene
Concen: 14.625 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BM020799.D
Acq: 07 Jun 2019 12:04

Instrument :
BNA_M
ClientSampleId :
C0AB6DL

Tgt Ion:276 Resp: 2063807
Ion Ratio Lower Upper
276 100
138 18.5 17.8 26.8
277 24.9 20.0 30.0



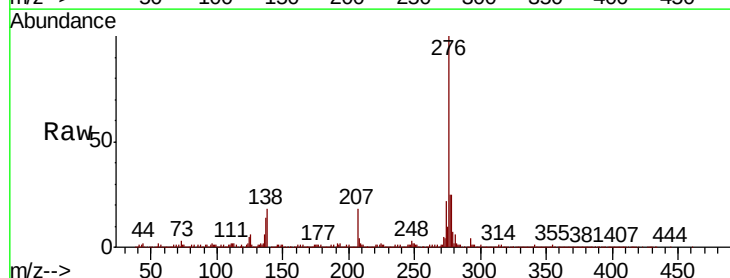
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



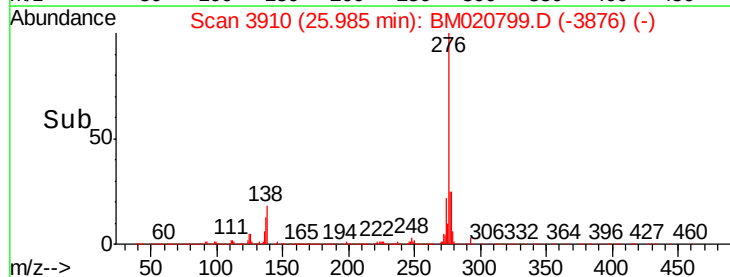
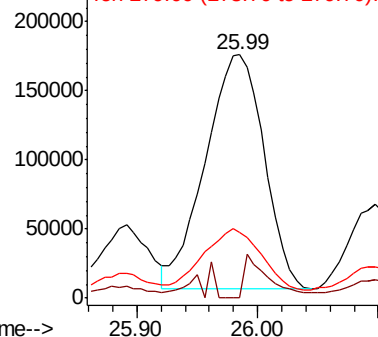
#92

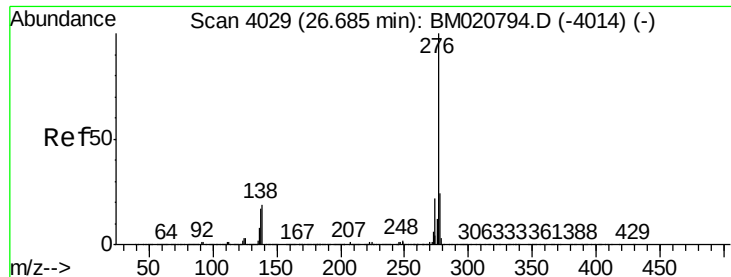
Dibenzo(a,h)anthracene
Concen: 4.803 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. -0.00 min
Lab File: BM020799.D
Acq: 07 Jun 2019 12:04

Tgt Ion:278 Resp: 574301
Ion Ratio Lower Upper
278 100
139 0.0 11.6 17.4#
279 26.7 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: 13.945 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.01 min

Lab File: BM020799.D

Acq: 07 Jun 2019 12:04

Instrument :

BNA_M

ClientSampleId :

C0AB6DL

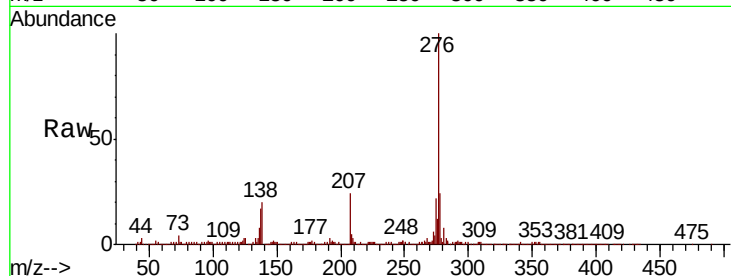
Tgt Ion:276 Resp: 1596532

Ion Ratio Lower Upper

276 100

138 19.7 16.6 25.0

277 24.0 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

