

Data File : BM023203.D
Acq On : 16 Oct 2019 22:45
Operator : JU
Sample : K5262-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB71

Quant Time: Oct 17 04:36:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 04:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	439480	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1776693	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	1059288	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	2064467	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2059462	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2550385	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	19801	1.98	ng/uL	0.00
5) Phenol-d5	6.83	99	545445	14.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	319030	14.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	435262	14.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	396839	12.91	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	215398	17.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	232917	20.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	479155	16.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	311538	8.80	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1457106	17.95	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1713212	17.99	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	171222	13.03	ng/ul	0.00
58) Fluorene-d10	15.30	176	1252893	18.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	111711	13.65	ng/ul	0.00
71) Anthracene-d10	17.15	188	1880182	18.89	ng/ul	0.00
79) Pyrene-d10	19.45	212	2033435	20.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2457265	19.01	ng/ul	0.00

Target Compounds

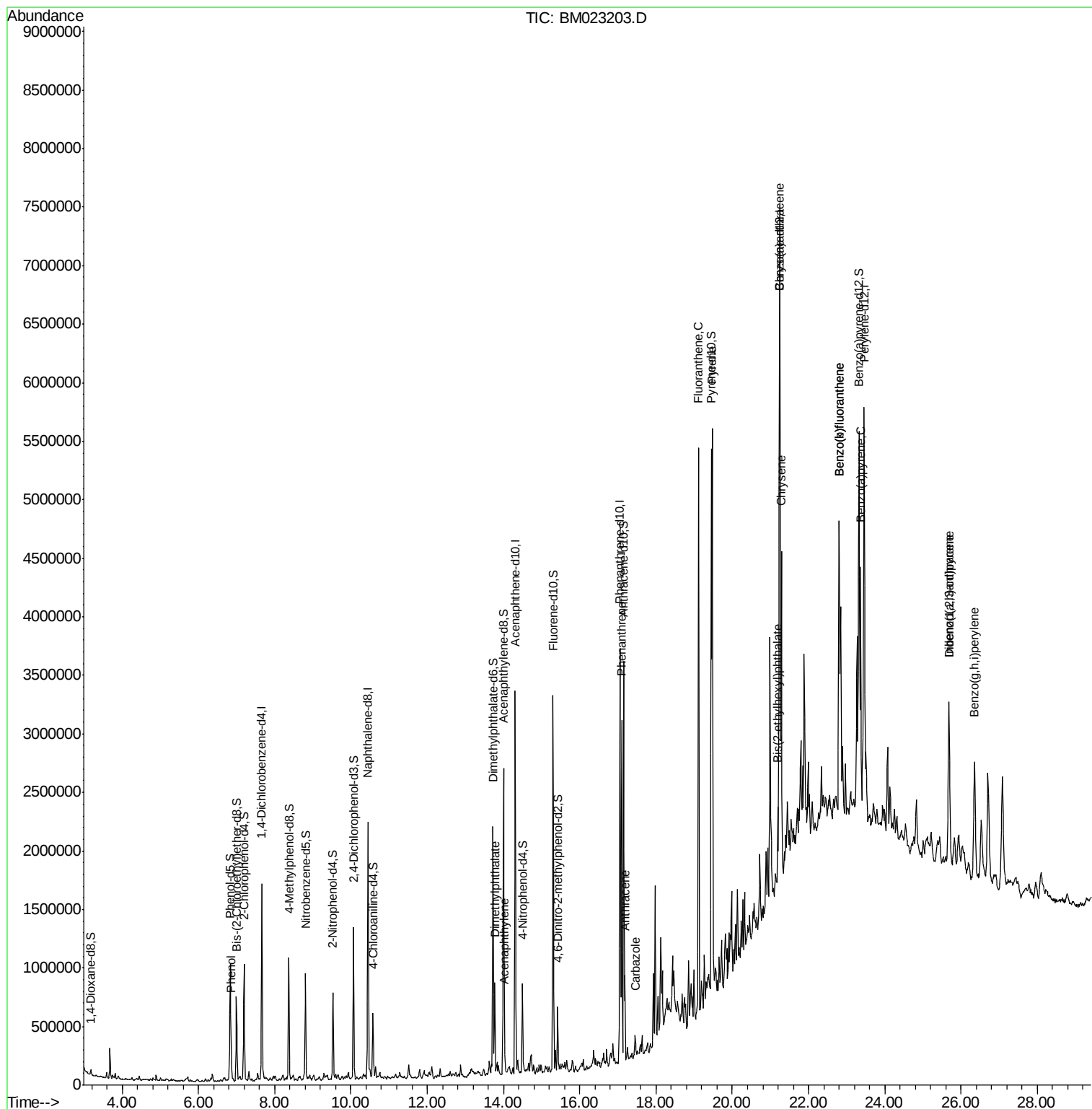
						Qvalue
6) Phenol	6.86	94	98289	2.490	ng/ul	97
45) Dimethylphthalate	13.77	163	485722	5.978	ng/ul	99
48) Acenaphthylene	14.03	152	169157	1.738	ng/ul	99
70) Phenanthrene	17.10	178	1745591	15.066	ng/ul	100
72) Anthracene	17.19	178	427563	3.571	ng/ul	99
75) Carbazole	17.45	167	111166	1.039	ng/ul	97
77) Fluoranthene	19.12	202	2954180	21.440	ng/ul	99
80) Pyrene	19.48	202	2879120	22.316	ng/ul	100
83) Benzo(a)anthracene	21.23	228	1625672	11.650	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.20	149	178557	2.502	ng/ul#	97
85) Chrysene	21.29	228	1618105	12.488	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	2289317	14.805	ng/ul	97
89) Benzo(k)fluoranthene	22.80	252	2289317	15.418	ng/ul	97
91) Benzo(a)pyrene	23.36	252	1599638	10.783	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.68	276	1187544	6.729	ng/ul	99
93) Dibenzo(a,h)anthracene	25.69	278	337221	2.285	ng/ul#	90
94) Benzo(g,h,i)perylene	26.36	276	1207207	8.308	ng/ul	99

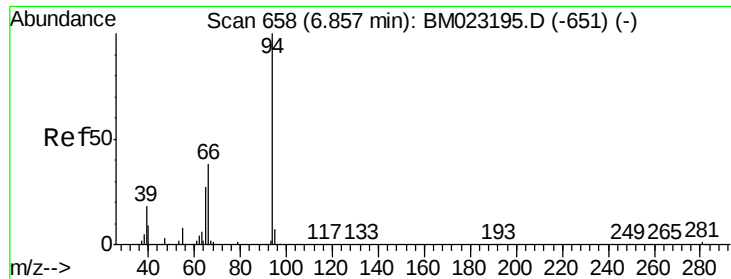
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.490 ng/ul

RT: 6.86 min Scan# 658

Delta R.T. -0.00 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

Instrument :

BNA_M

ClientSampleId :

BFB71

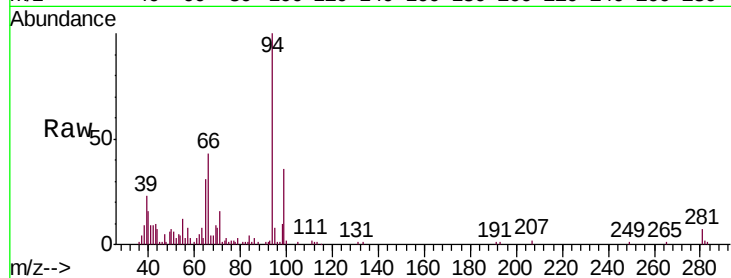
Tgt Ion: 94 Resp: 98289

Ion Ratio Lower Upper

94 100

65 30.7 23.7 35.5

66 43.1 32.9 49.3

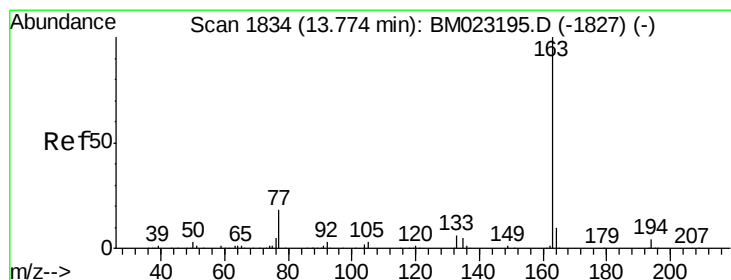
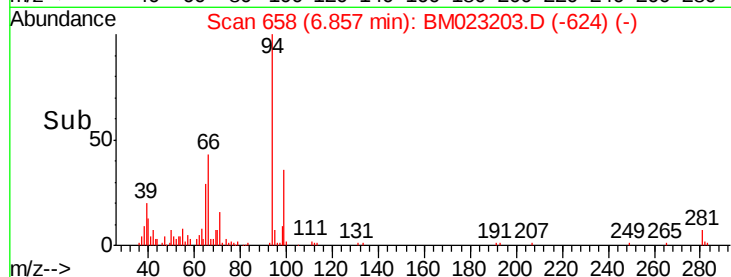
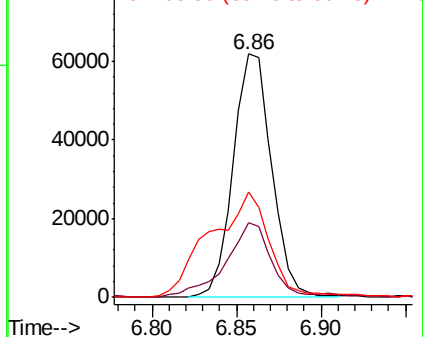


Abundance

Ion 94.00 (93.70 to 94.70): BM0

Ion 65.00 (64.70 to 65.70): BM0

Ion 66.00 (65.70 to 66.70): BM0



#45

Dimethylphthalate

Concen: 5.978 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

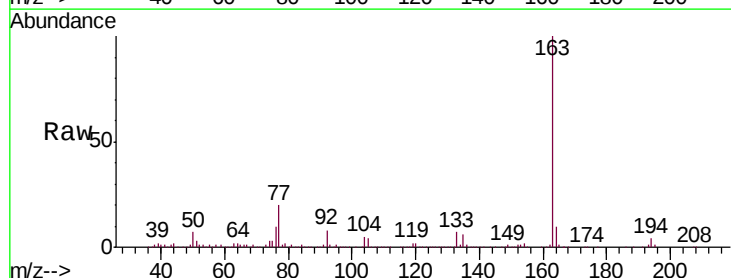
Tgt Ion: 163 Resp: 485722

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

164 10.0 8.0 12.0

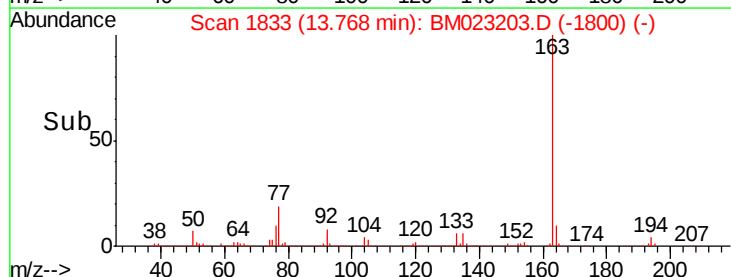
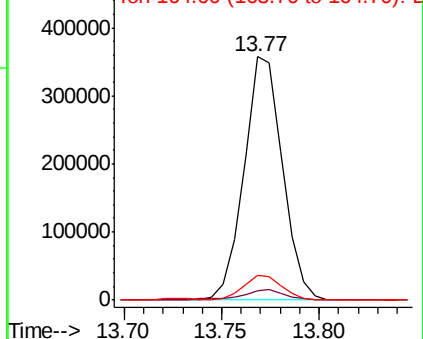


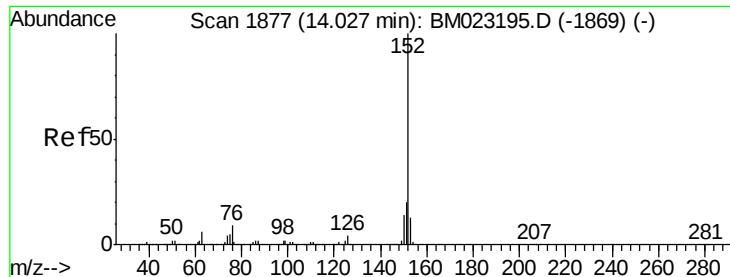
Abundance

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





#48

Acenaphthylene

Concen: 1.738 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

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BFB71

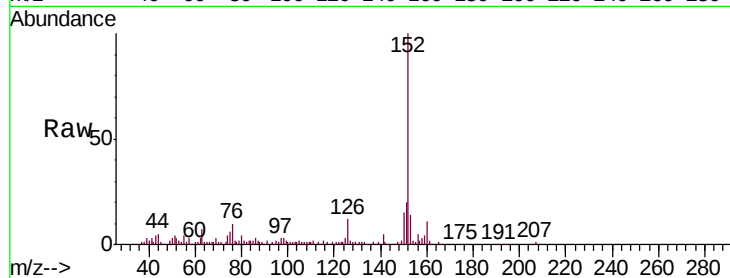
Tgt Ion:152 Resp: 169157

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.6

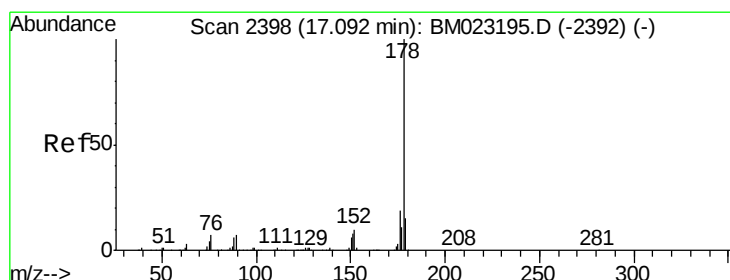
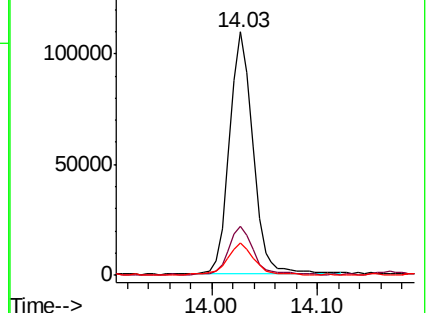
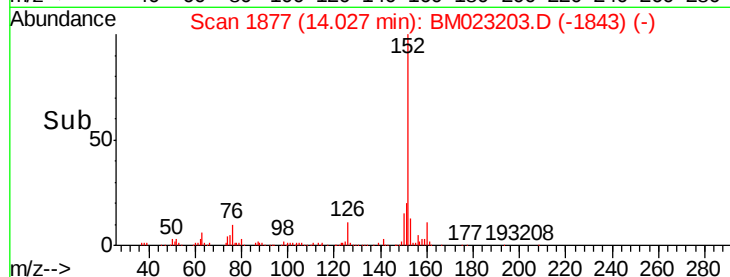
153 13.5 10.3 15.5



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



#70

Phenanthrene

Concen: 15.066 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

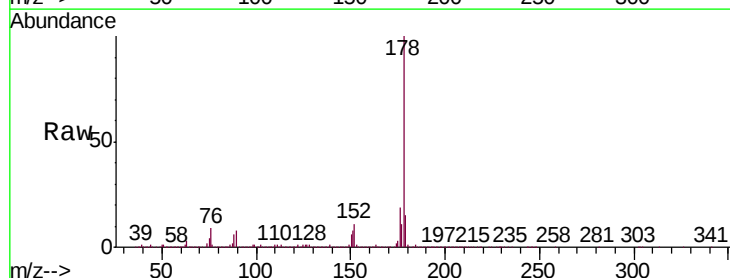
Tgt Ion:178 Resp: 1745591

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

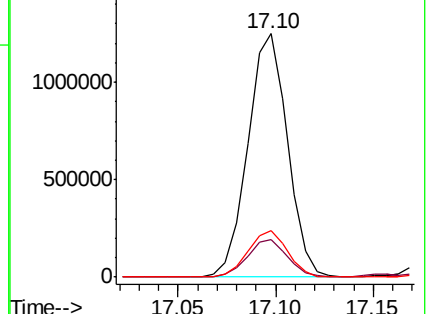
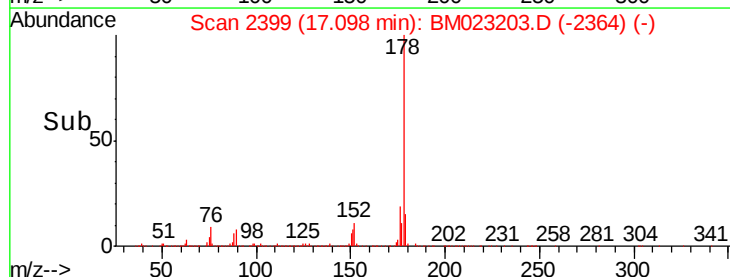
176 19.0 15.5 23.3

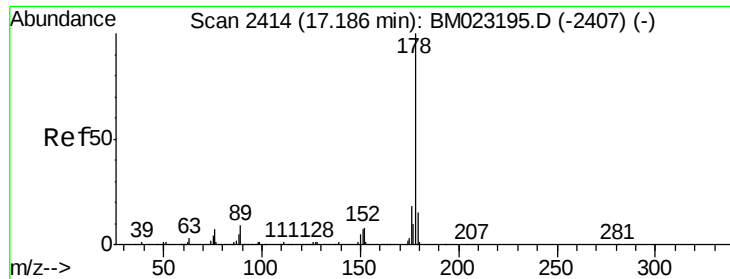


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.571 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

Instrument :

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BFB71

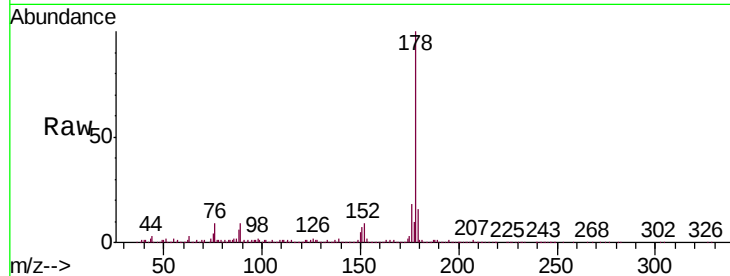
Tgt Ion:178 Resp: 427563

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

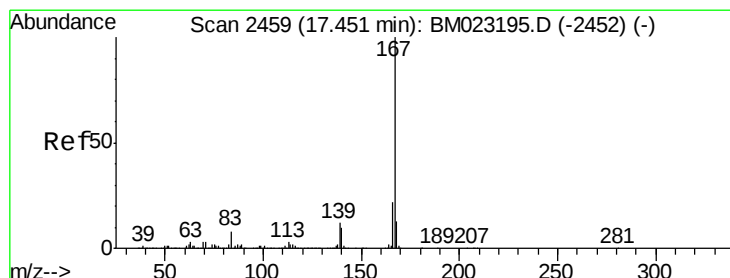
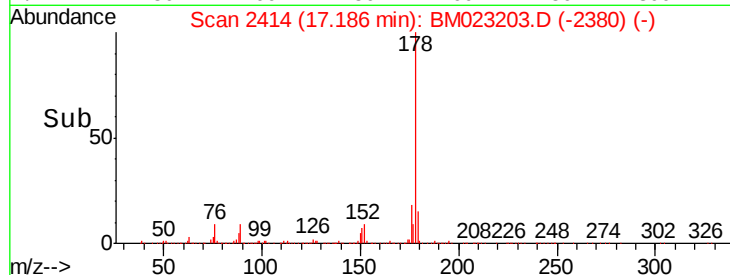
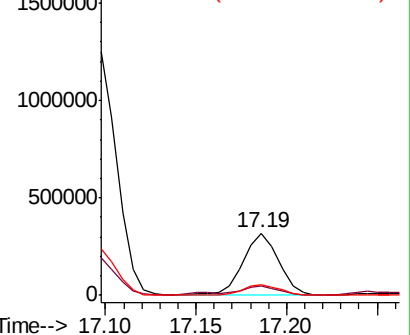
176 17.9 15.0 22.4



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



#75

Carbazole

Concen: 1.039 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

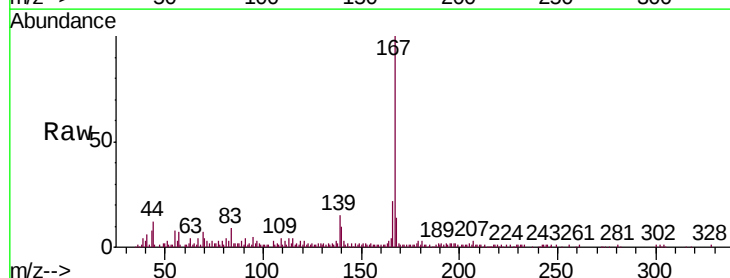
Tgt Ion:167 Resp: 111166

Ion Ratio Lower Upper

167 100

166 22.4 17.4 26.0

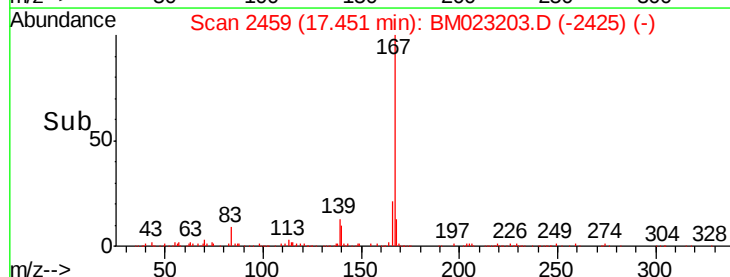
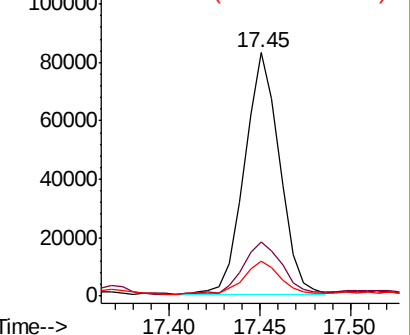
139 14.6 10.2 15.2

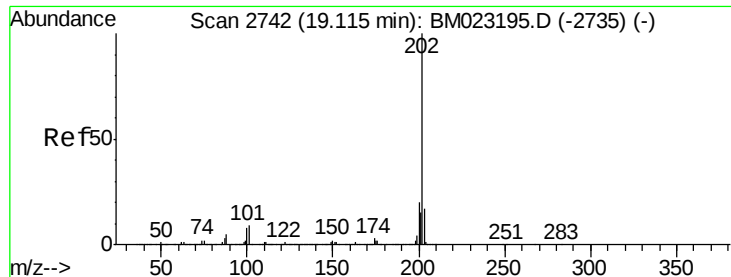


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

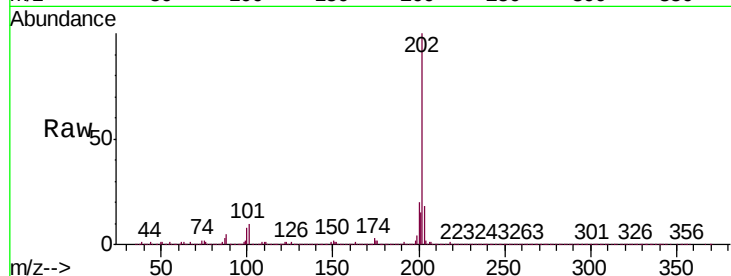




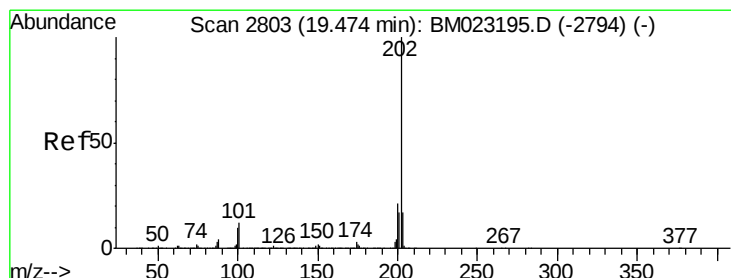
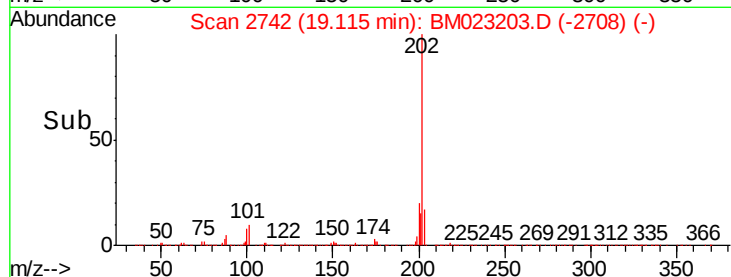
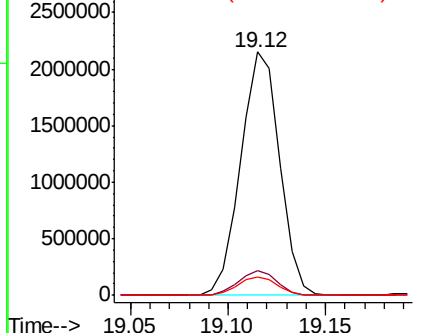
#77
 Fluoranthene
 Concen: 21.440 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. -0.00 min
 Lab File: BM023203.D
 Acq: 16 Oct 2019 22:45

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Tgt Ion:202 Resp: 2954180
 Ion Ratio Lower Upper
 202 100
 101 10.3 7.8 11.8
 100 7.8 6.1 9.1

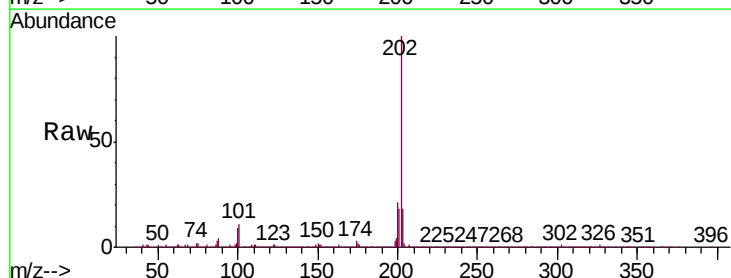


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

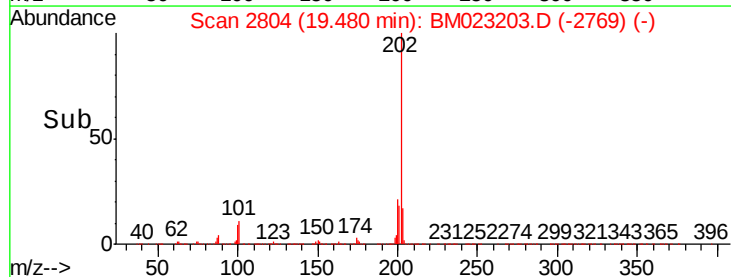
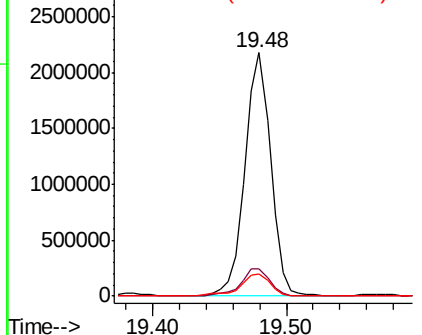


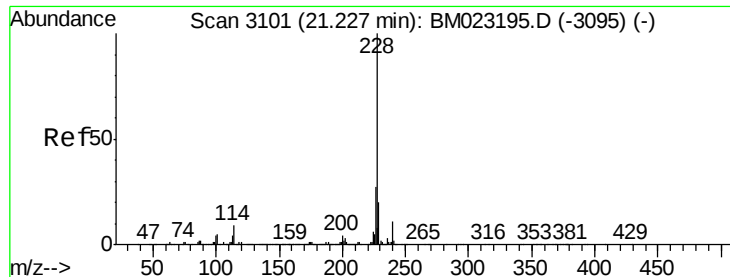
#80
 Pyrene
 Concen: 22.316 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023203.D
 Acq: 16 Oct 2019 22:45

Tgt Ion:202 Resp: 2879120
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.1 13.7
 100 9.4 7.5 11.3



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





#83

Benzo(a)anthracene

Concen: 11.650 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

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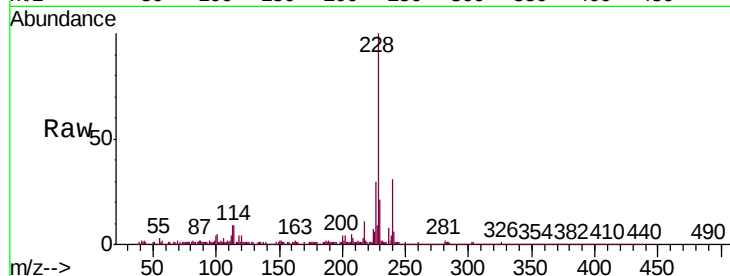
Tgt Ion:228 Resp: 1625672

Ion Ratio Lower Upper

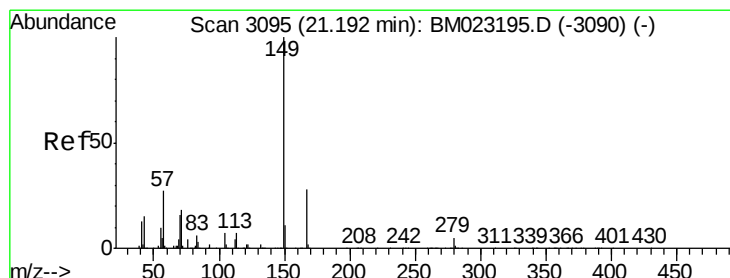
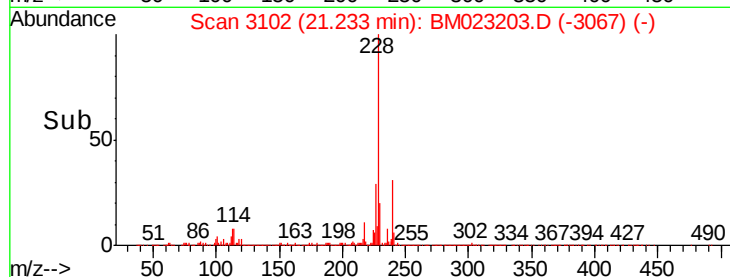
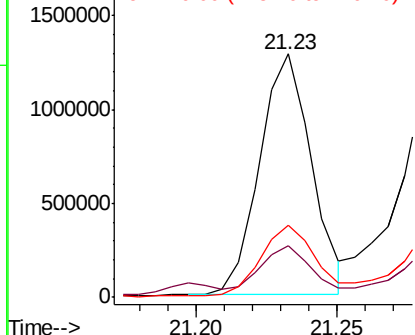
228 100

229 21.0 15.7 23.5

226 29.7 21.6 32.4



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

Bis(2-ethylhexyl)phthalate

Concen: 2.502 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

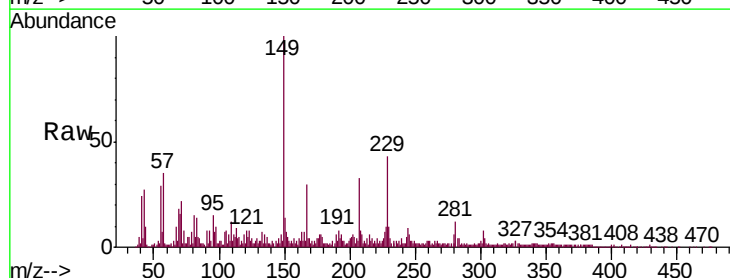
Tgt Ion:149 Resp: 178557

Ion Ratio Lower Upper

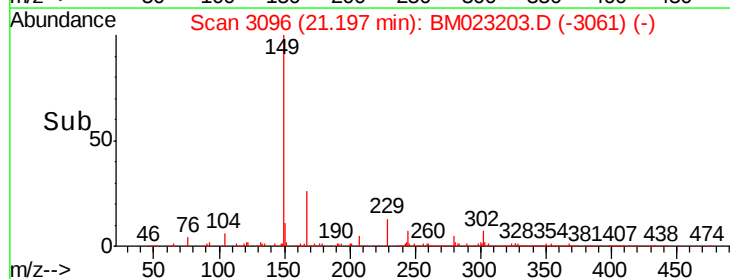
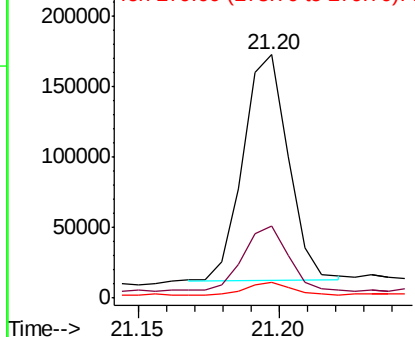
149 100

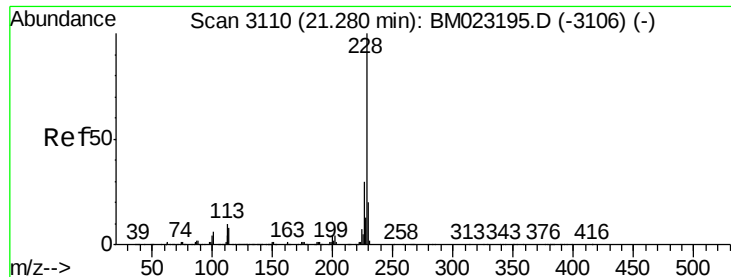
167 29.9 22.5 33.7

279 6.2 4.0 6.0#



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: 12.488 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM023203.D

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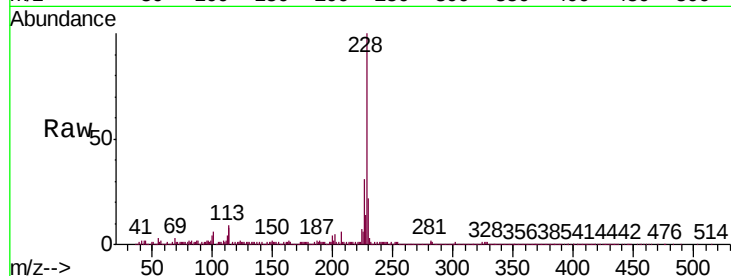
Tgt Ion:228 Resp: 1618105

Ion Ratio Lower Upper

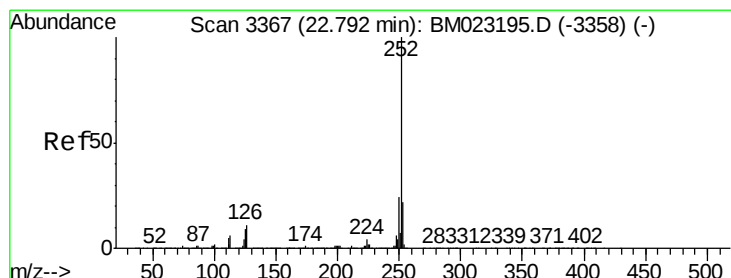
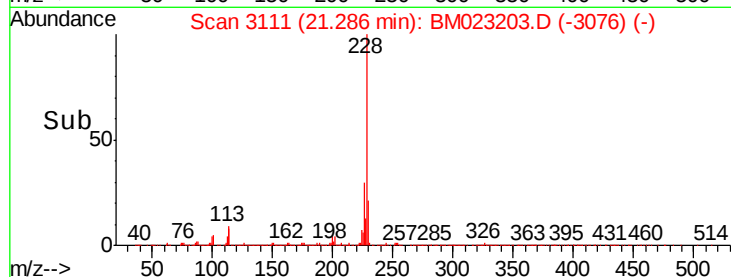
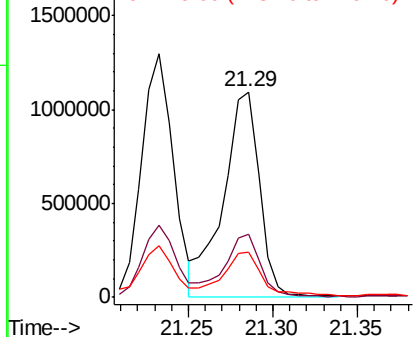
228 100

226 30.5 23.8 35.6

229 21.8 15.5 23.3



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: 14.805 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

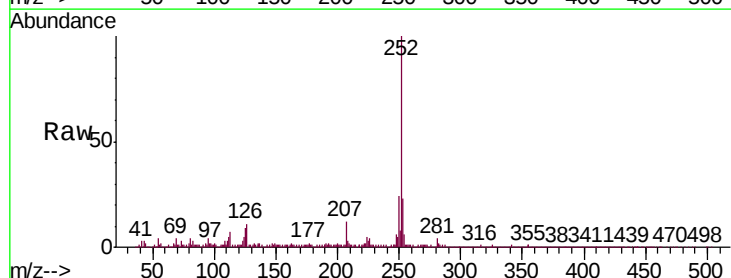
Tgt Ion:252 Resp: 2289317

Ion Ratio Lower Upper

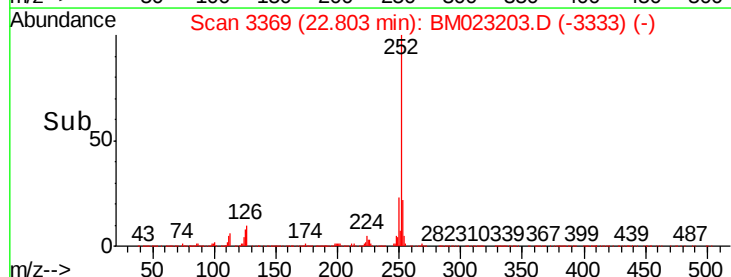
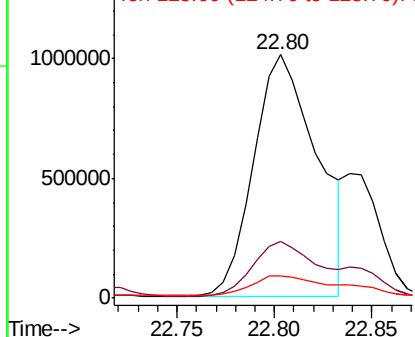
252 100

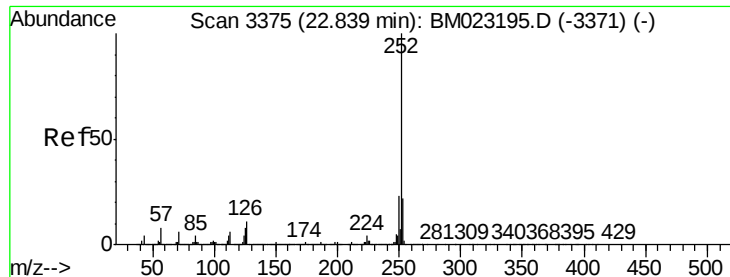
253 23.1 17.6 26.4

125 9.1 6.4 9.6



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





#89

Benzo(k)fluoranthene

Concen: 15.418 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

Instrument :

BNA_M

ClientSampleId :

BFB71

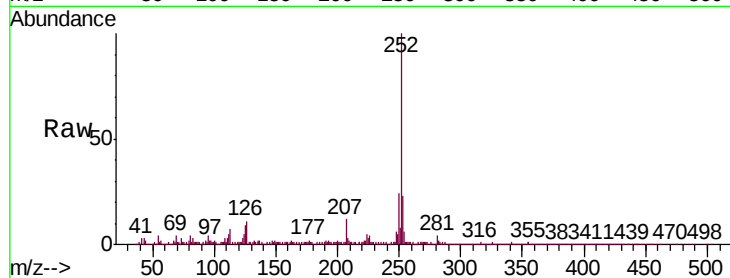
Tgt Ion:252 Resp: 2289317

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

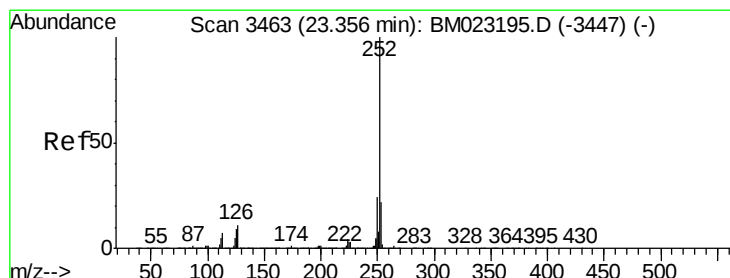
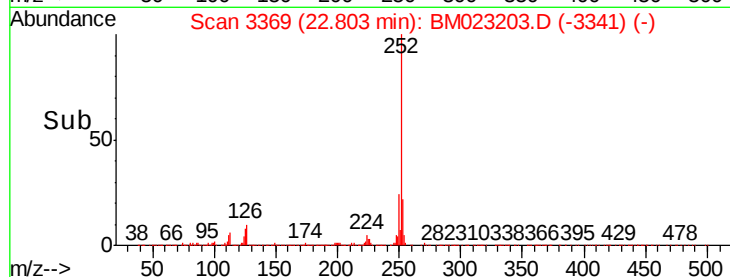
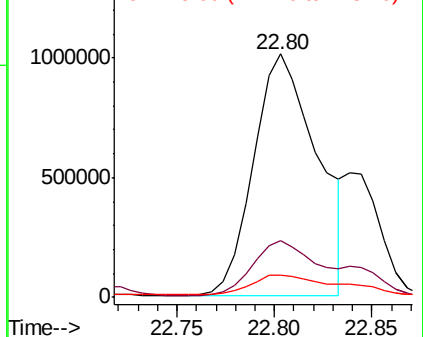
125 9.1 6.5 9.7



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



#91

Benzo(a)pyrene

Concen: 10.783 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

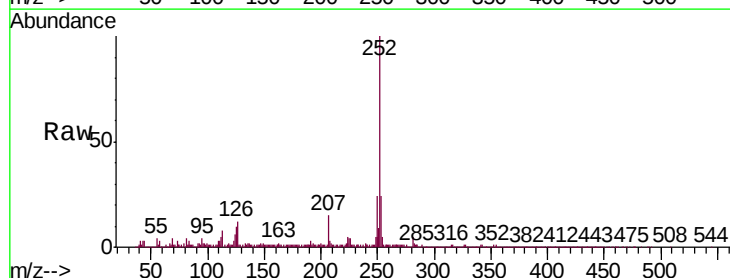
Tgt Ion:252 Resp: 1599638

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

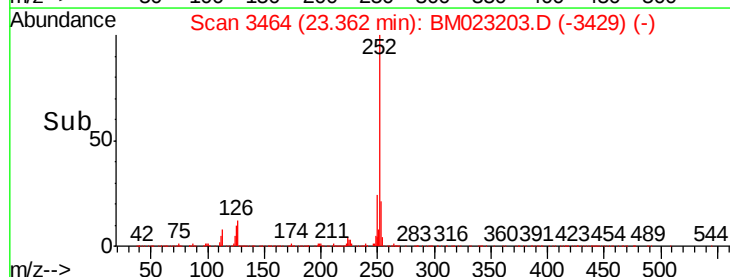
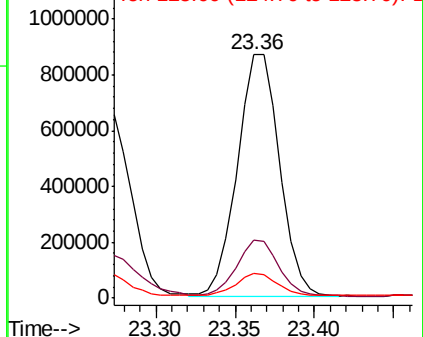
125 10.4 7.4 11.0

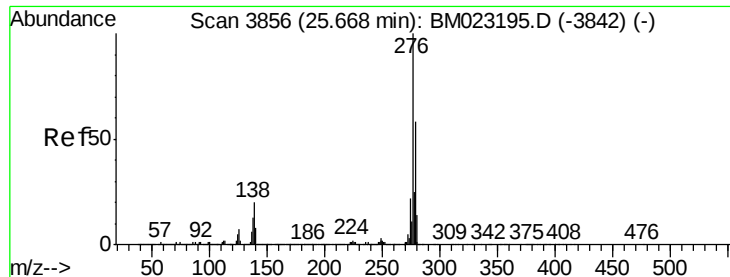


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



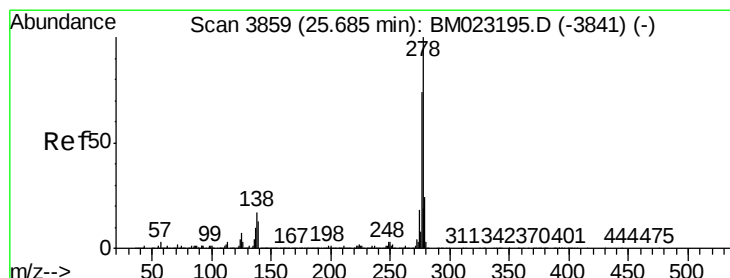
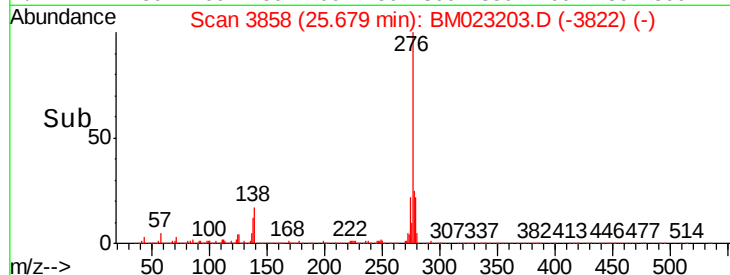
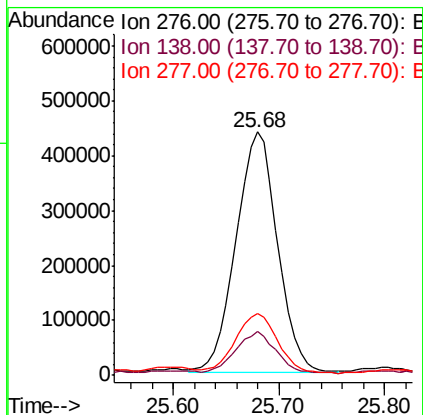
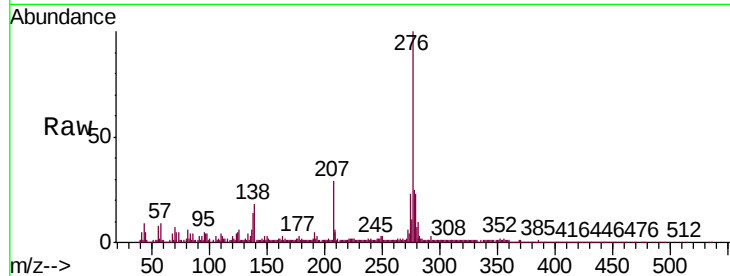


#92

Indeno(1,2,3-cd)pyrene
Concen: 6.729 ng/u1
RT: 25.68 min Scan# 3858
Delta R.T. 0.01 min
Lab File: BM023203.D
Acq: 16 Oct 2019 22:45

Instrument :
BNA_M
ClientSampleId :
BFB71

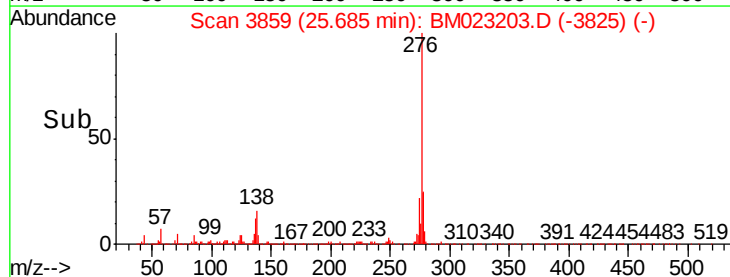
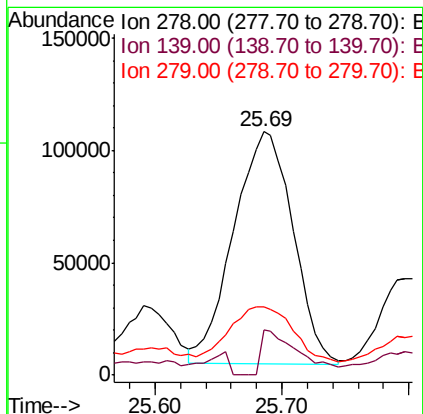
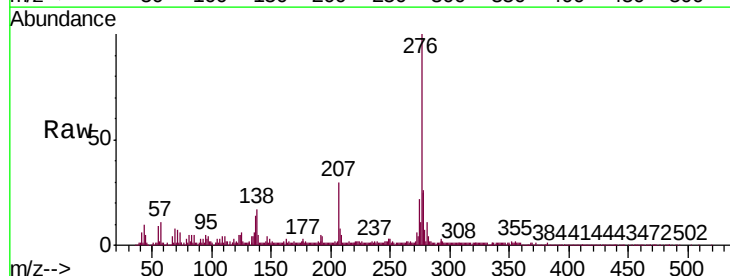
Tgt Ion:276 Resp: 1187544
Ion Ratio Lower Upper
276 100
138 17.9 14.9 22.3
277 25.3 19.8 29.8

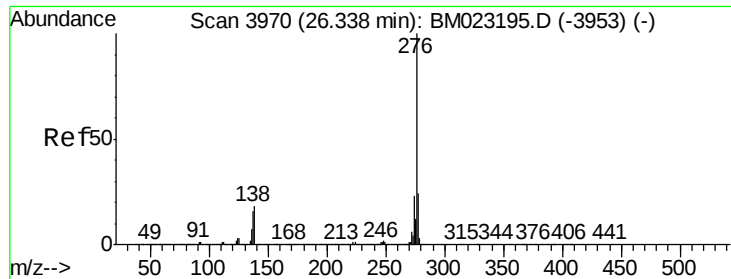


#93

Dibenzo(a,h)anthracene
Concen: 2.285 ng/u1
RT: 25.69 min Scan# 3859
Delta R.T. -0.00 min
Lab File: BM023203.D
Acq: 16 Oct 2019 22:45

Tgt Ion:278 Resp: 337221
Ion Ratio Lower Upper
278 100
139 18.4 10.0 15.0#
279 27.8 19.4 29.0





#94

Benzo(g,h,i)perylene

Concen: 8.308 ng/ul

RT: 26.36 min Scan# 3973

Delta R.T. 0.02 min

Lab File: BM023203.D

Acq: 16 Oct 2019 22:45

Instrument :

BNA_M

ClientSampleId :

BFB71

Tgt Ion:276 Resp: 1207207

Ion Ratio Lower Upper

276 100

138 17.5 14.4 21.6

277 24.6 19.4 29.2

