

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112119\
 Data File : BM023831.D
 Acq On : 21 Nov 2019 16:19
 Operator : JU
 Sample : K5851-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA4

Quant Time: Nov 21 17:41:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 21 16:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	322952	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.29	136	1323283	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	806947	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.92	188	1731656	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	1677509	20.00	ng/ul	0.00
86) Perylene-d12	23.29	264	2053907	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	26673	3.40	ng/uL	0.00
5) Phenol-d5	6.70	99	563646	19.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	318183	18.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	449100	21.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	428354	18.24	ng/ul	-0.01
19) Nitrobenzene-d5	8.66	128	207784	21.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	231095	23.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	440232	19.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	450005	18.05	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1275603	20.27	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1556388	21.67	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	150539	14.01	ng/ul	0.00
58) Fluorene-d10	15.17	176	1164013	20.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	123046	12.28	ng/ul	0.00
71) Anthracene-d10	17.02	188	1793314	21.83	ng/ul	0.00
79) Pyrene-d10	19.33	212	1953770	22.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.15	264	2361217	21.85	ng/ul	0.00

Target Compounds

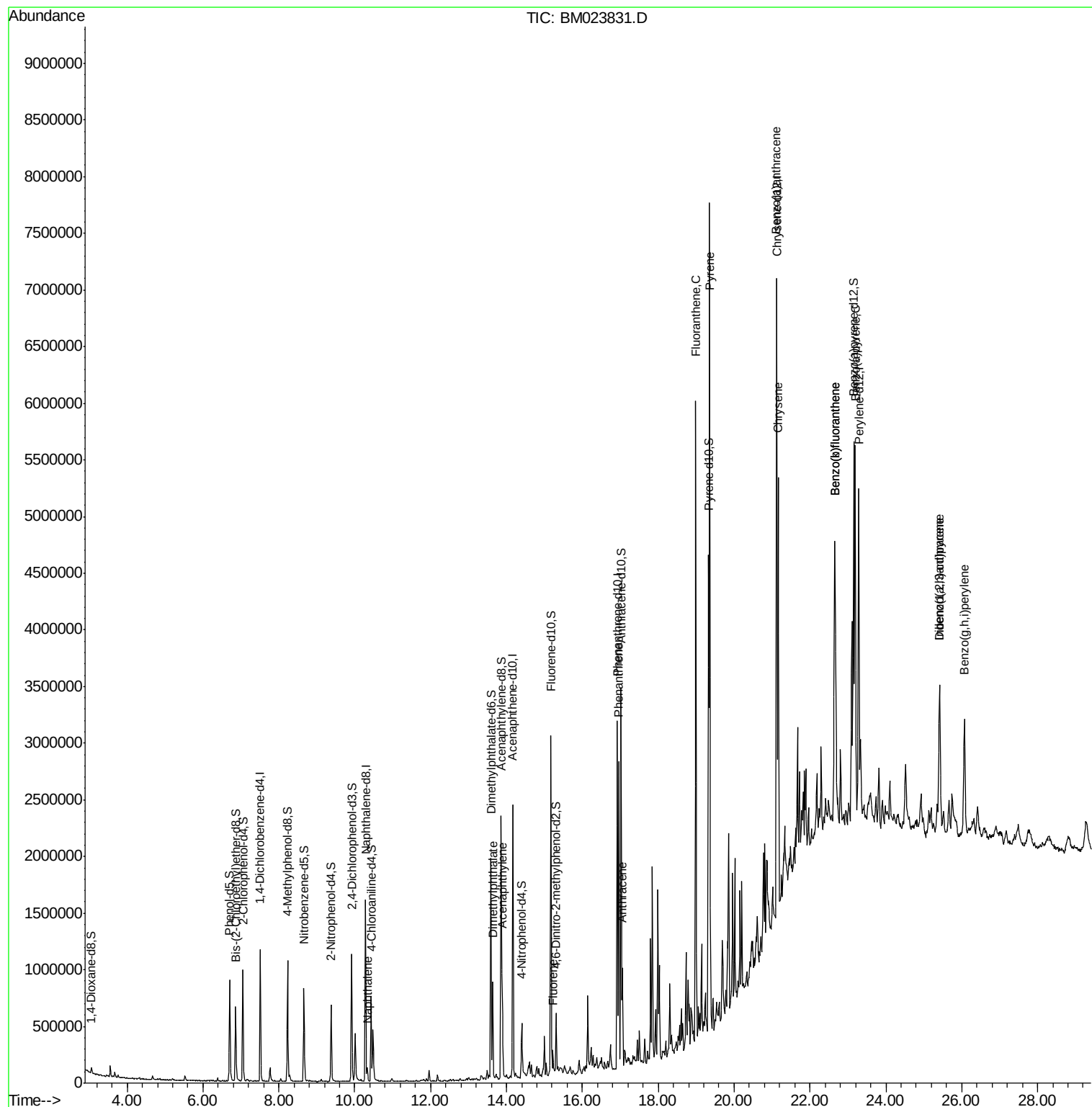
					Qvalue	
28) Naphthalene	10.33	128	96566	1.388	ng/ul	98
45) Dimethylphthalate	13.64	163	532956	8.642	ng/ul	100
48) Acenaphthylene	13.89	152	641442	8.872	ng/ul	99
59) Fluorene	15.23	166	98167	1.593	ng/ul	95
70) Phenanthrene	16.96	178	1625231	17.039	ng/ul	100
72) Anthracene	17.06	178	529540	5.521	ng/ul	100
77) Fluoranthene	18.99	202	3179575	31.114	ng/ul	96
80) Pyrene	19.36	202	4261895	39.305	ng/ul	97
83) Benzo(a)anthracene	21.12	228	2163551	19.553	ng/ul	94
85) Chrysene	21.17	228	2150884	20.648	ng/ul	99
88) Benzo(b)fluoranthene	22.65	252	2184029	16.681	ng/ul#	98
89) Benzo(k)fluoranthene	22.65	252	2184029	17.314	ng/ul#	97
91) Benzo(a)pyrene	23.19	252	2092512	17.458	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.42	276	1257797	9.814	ng/ul	98
93) Dibenzo(a,h)anthracene	25.42	278	339361	3.137	ng/ul#	83
94) Benzo(g,h,i)perylene	26.07	276	1262771	12.159	ng/ul	98

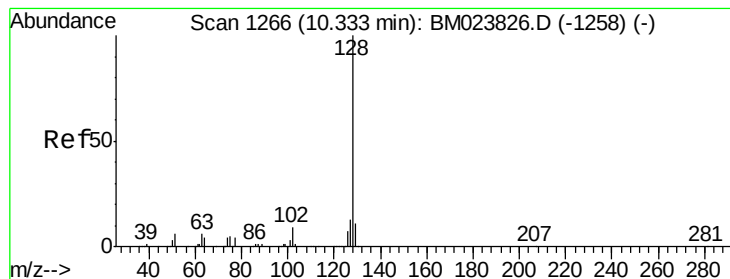
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 1.388 ng/ul

RT: 10.33 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

ClientSampleId :

C0AA4

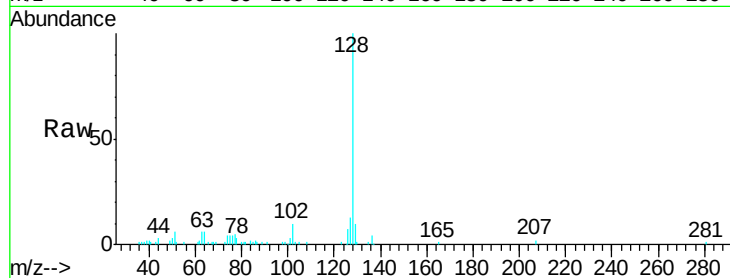
Tgt Ion:128 Resp: 96566

Ion Ratio Lower Upper

128 100

129 9.9 8.7 13.1

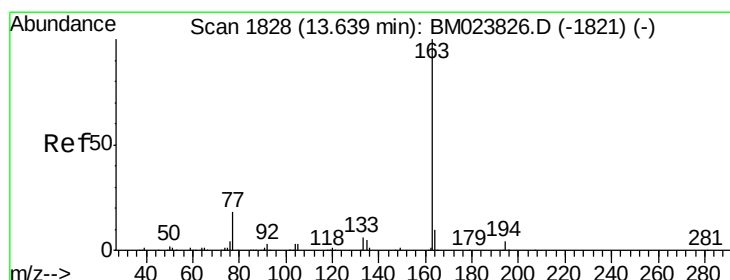
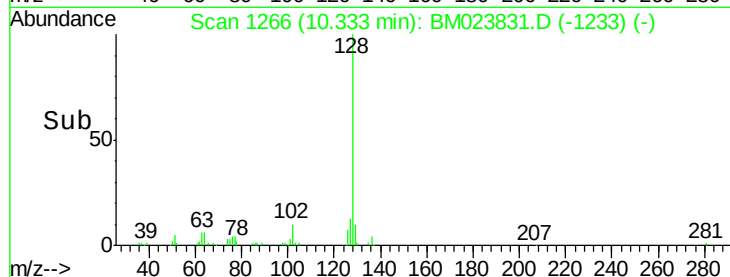
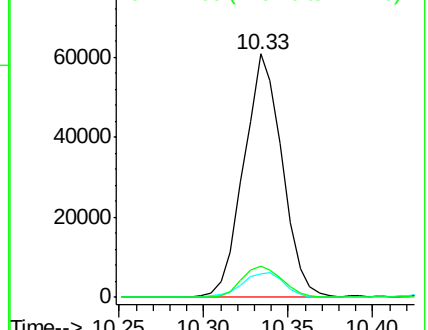
127 12.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#45

Dimethylphthalate

Concen: 8.642 ng/ul

RT: 13.64 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

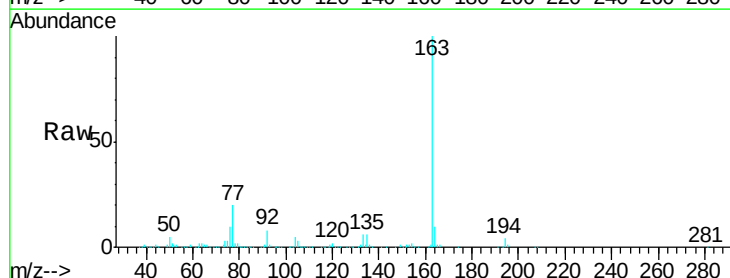
Tgt Ion:163 Resp: 532956

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

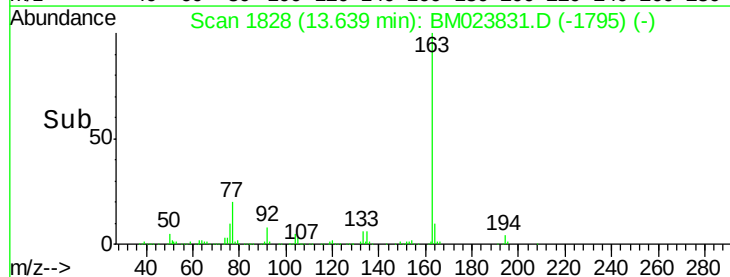
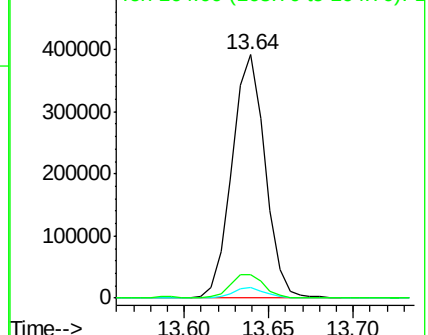
164 9.8 8.0 12.0

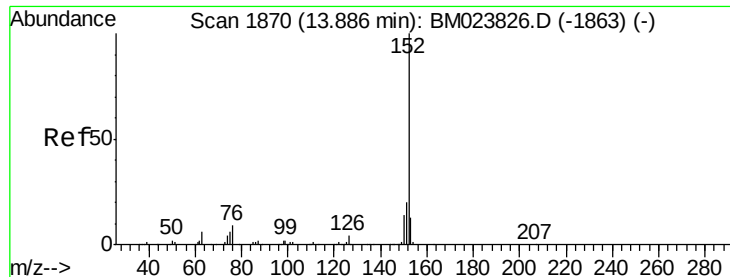


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 8.872 ng/ul

RT: 13.89 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

ClientSampleId :

C0AA4

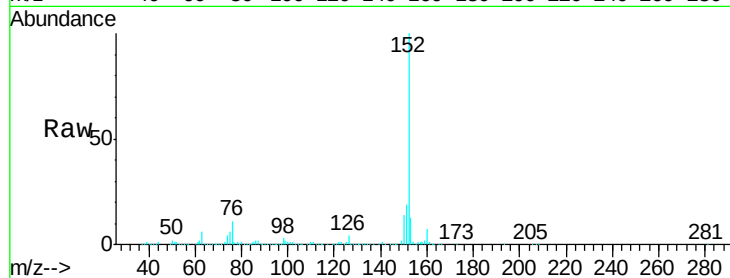
Tgt Ion:152 Resp: 641442

Ion Ratio Lower Upper

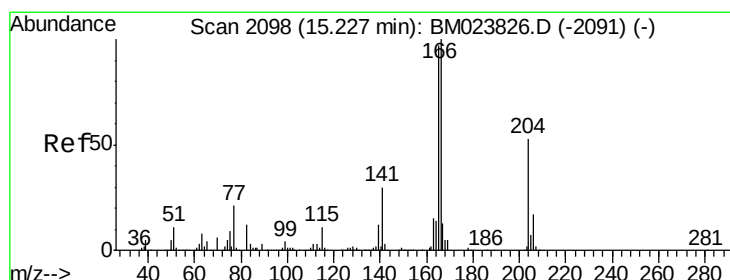
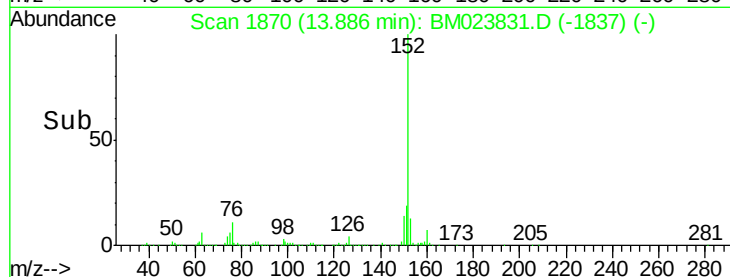
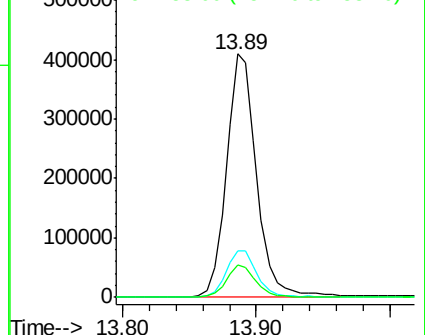
152 100

151 19.4 16.1 24.1

153 13.4 10.4 15.6



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



#59

Fluorene

Concen: 1.593 ng/ul

RT: 15.23 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

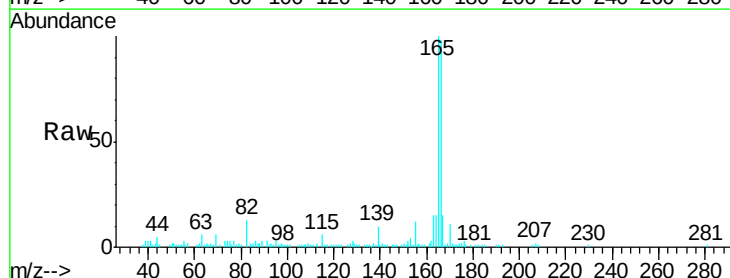
Tgt Ion:166 Resp: 98167

Ion Ratio Lower Upper

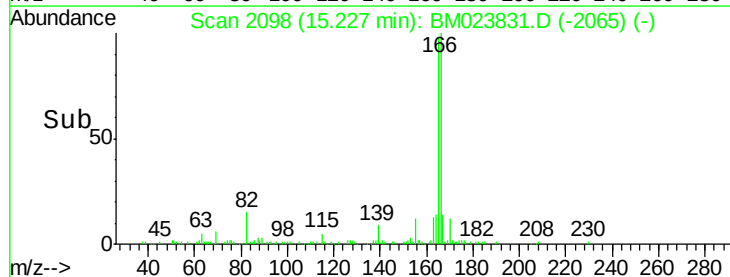
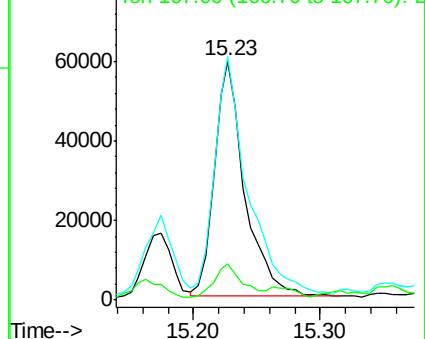
166 100

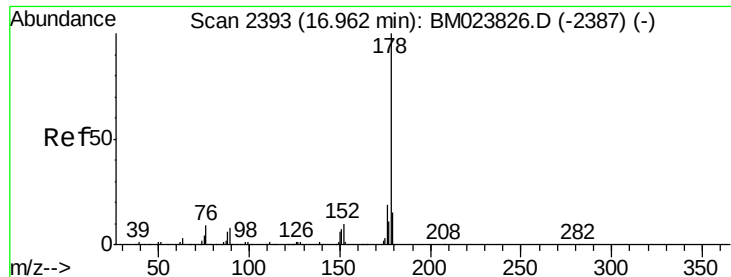
165 102.0 77.2 115.8

167 15.0 10.9 16.3



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: 17.039 ng/ul

RT: 16.96 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

ClientSampleId :

C0AA4

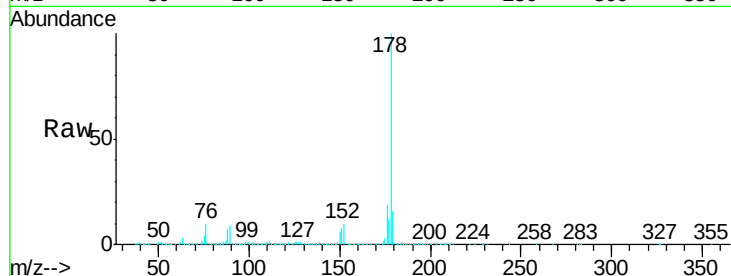
Tgt Ion:178 Resp: 1625231

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

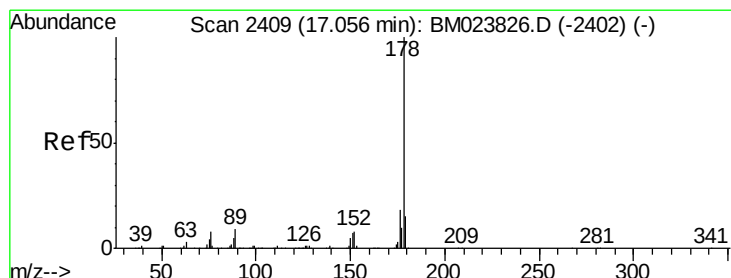
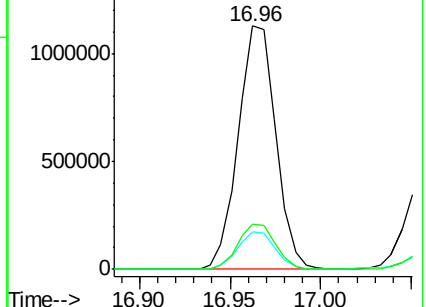
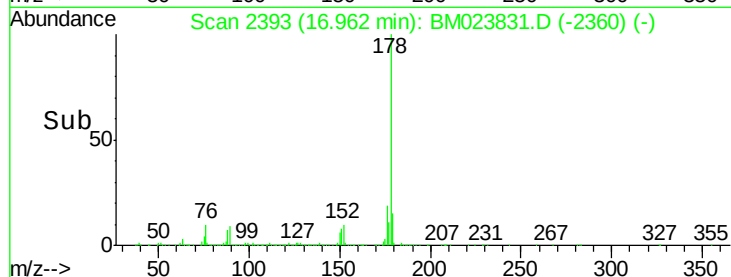
176 18.8 15.0 22.6



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: 5.521 ng/ul

RT: 17.06 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

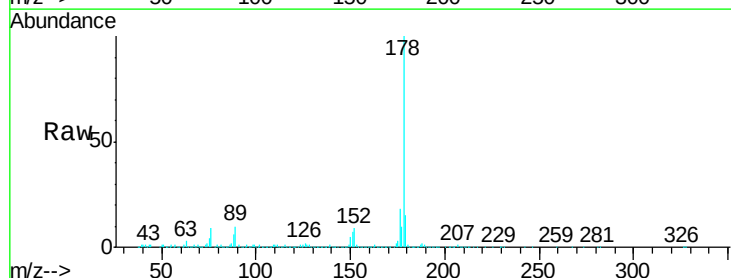
Tgt Ion:178 Resp: 529540

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

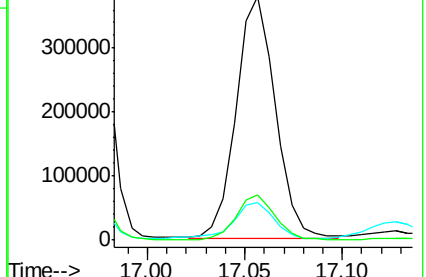
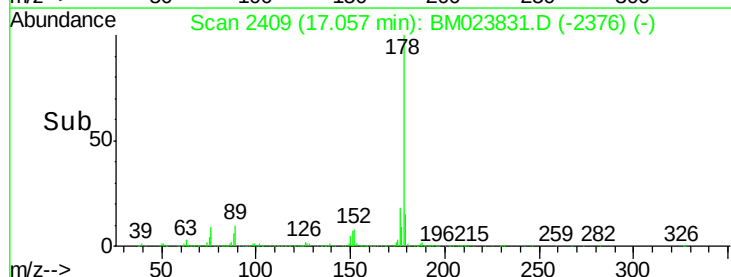
176 18.4 14.7 22.1

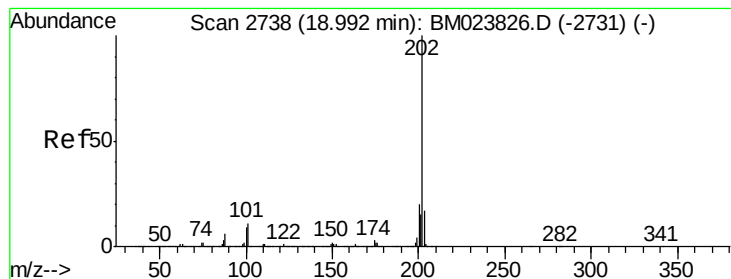


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 31.114 ng/ul

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

ClientSampleId :

C0AA4

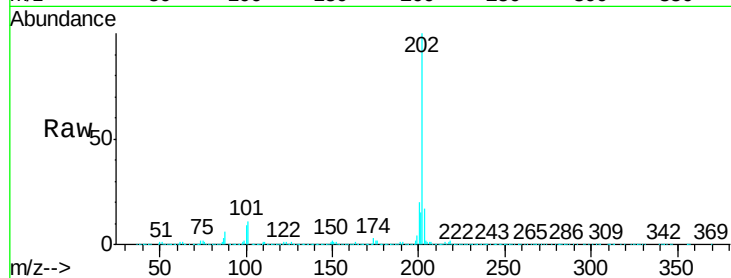
Tgt Ion:202 Resp: 3179575

Ion Ratio Lower Upper

202 100

101 11.2 7.7 11.5

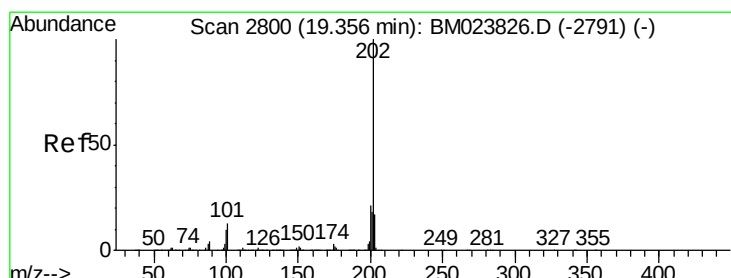
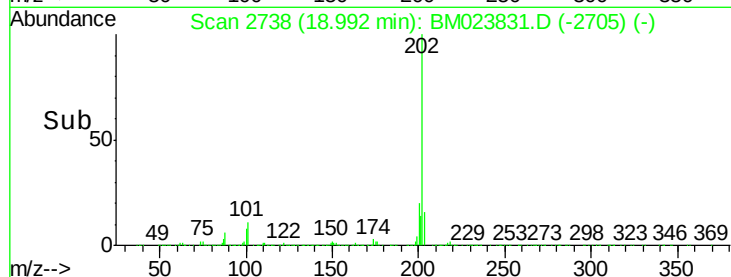
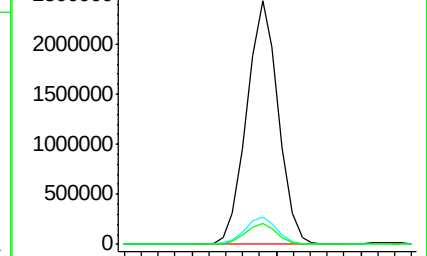
100 8.5 6.0 9.0



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



#80

Pyrene

Concen: 39.305 ng/ul

RT: 19.36 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

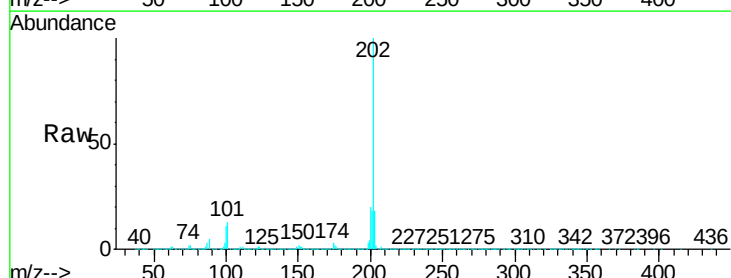
Tgt Ion:202 Resp: 4261895

Ion Ratio Lower Upper

202 100

101 13.3 9.8 14.6

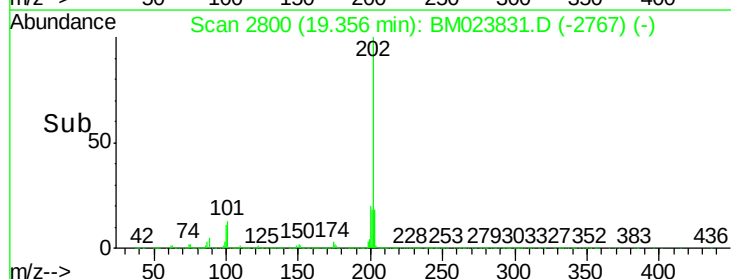
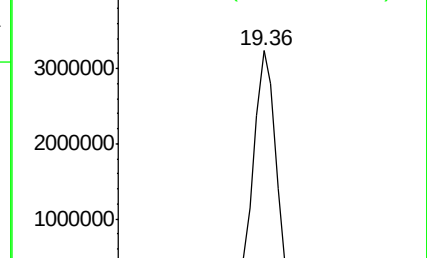
100 10.9 8.1 12.1

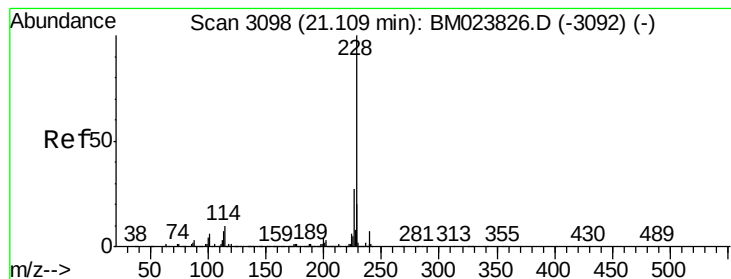


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 19.553 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

ClientSampleId :

C0AA4

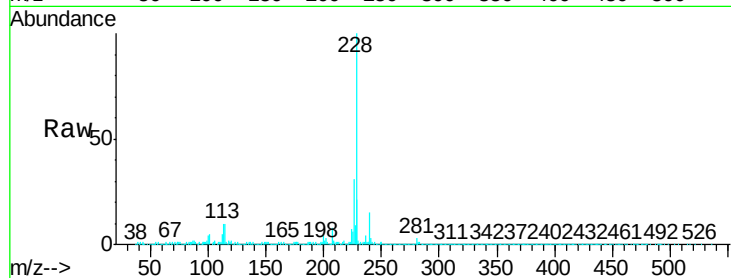
Tgt Ion:228 Resp: 2163551

Ion Ratio Lower Upper

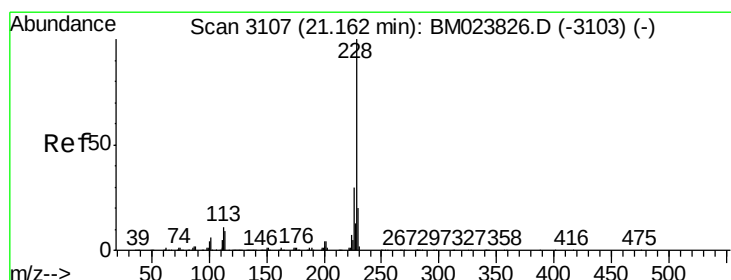
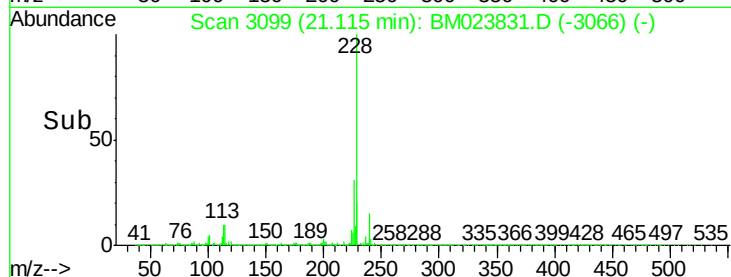
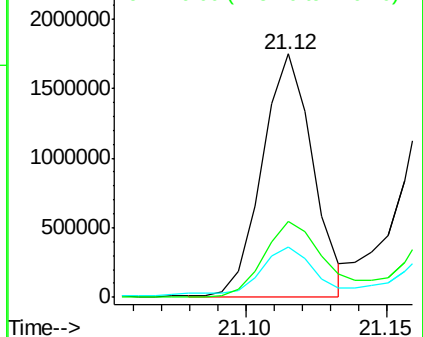
228 100

229 20.7 15.6 23.4

226 31.1 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



#85

Chrysene

Concen: 20.648 ng/ul

RT: 21.17 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

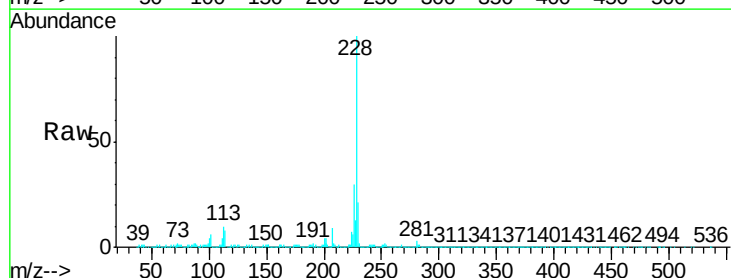
Tgt Ion:228 Resp: 2150884

Ion Ratio Lower Upper

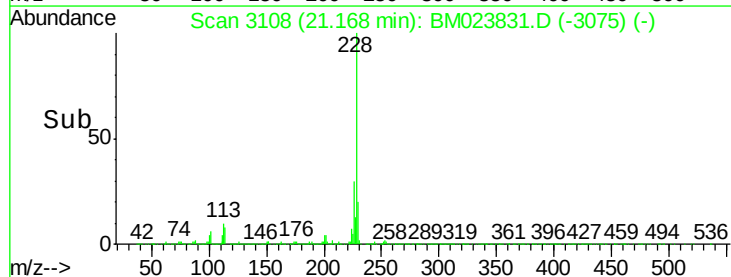
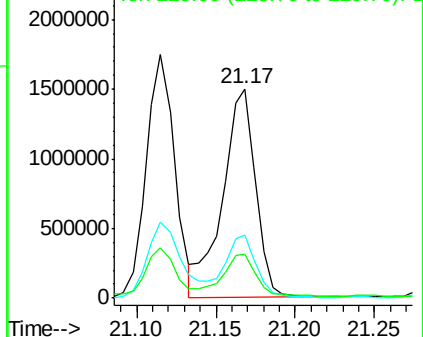
228 100

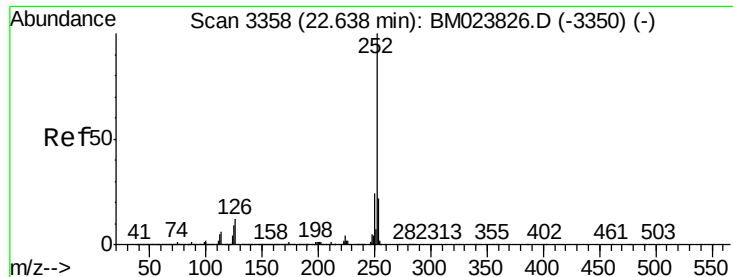
226 30.3 23.8 35.8

229 20.8 15.8 23.6



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: 16.681 ng/ul

RT: 22.65 min Scan# 3360

Delta R.T. 0.00 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

ClientSampleId :

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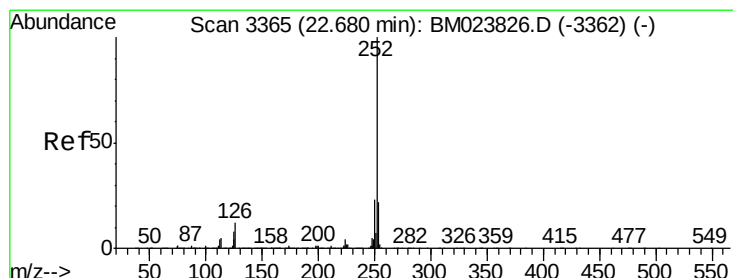
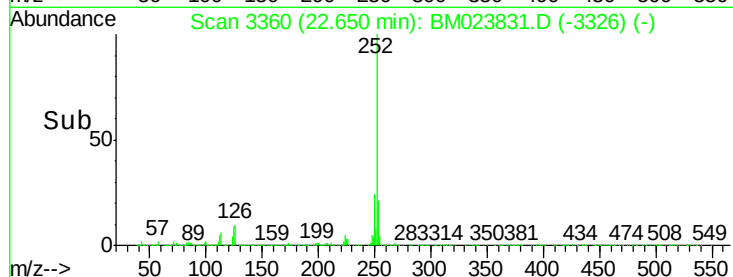
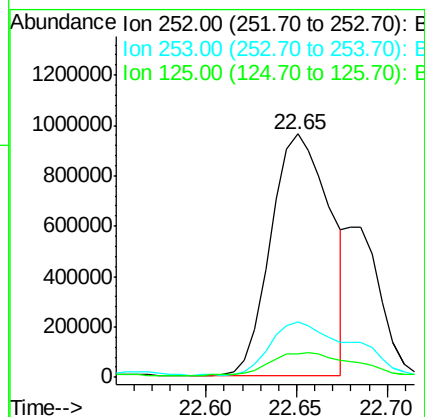
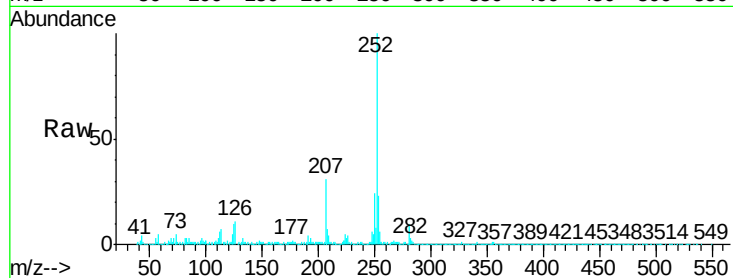
Tgt Ion:252 Resp: 2184029

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 9.8 6.5 9.7#



#89

Benzo(k)fluoranthene

Concen: 17.314 ng/ul

RT: 22.65 min Scan# 3360

Delta R.T. -0.05 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

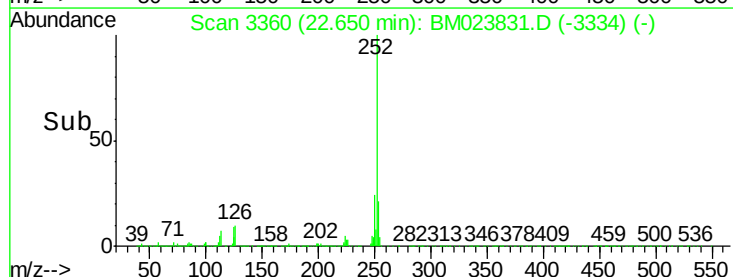
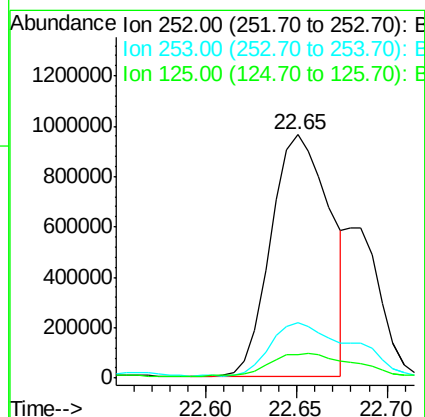
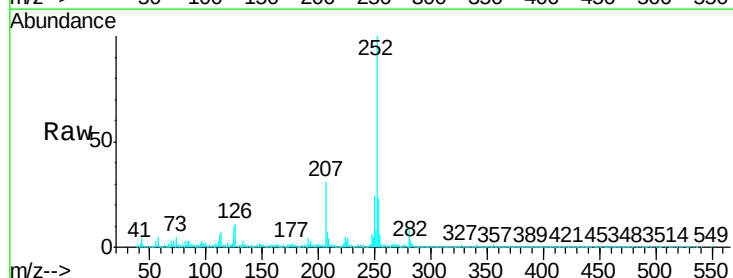
Tgt Ion:252 Resp: 2184029

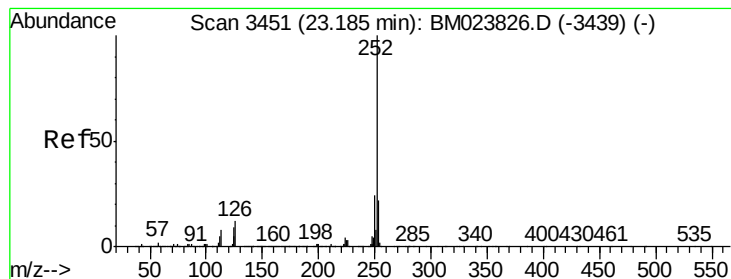
Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 9.8 5.9 8.9#





#91

Benzo(a)pyrene

Concen: 17.458 ng/ul

RT: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

ClientSampleId :

C0AA4

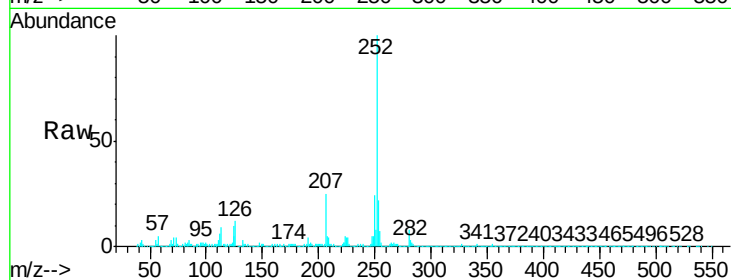
Tgt Ion:252 Resp: 2092512

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

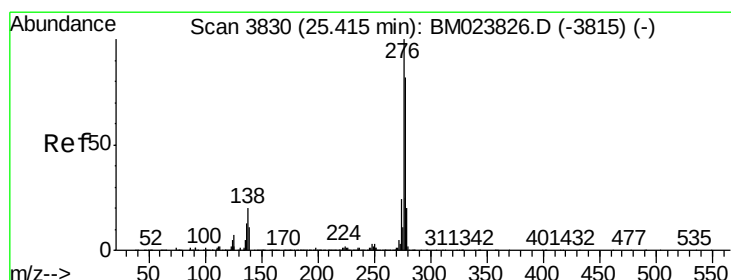
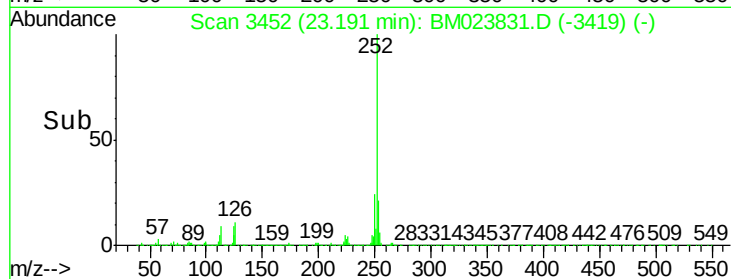
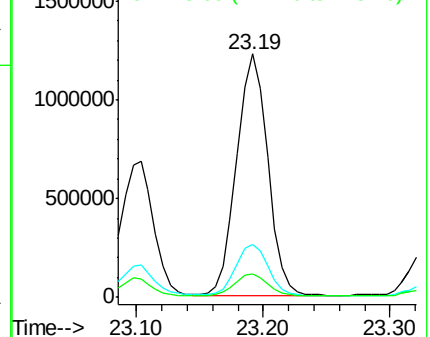
125 9.7 6.9 10.3



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: 9.814 ng/ul

RT: 25.42 min Scan# 3831

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

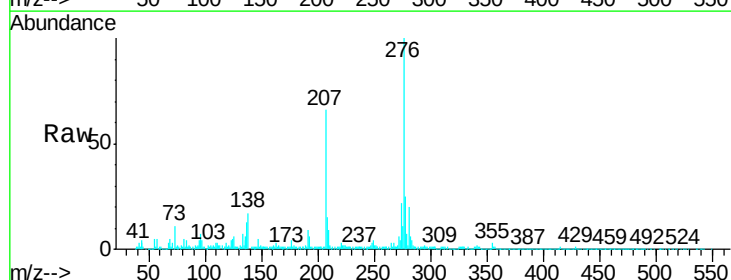
Tgt Ion:276 Resp: 1257797

Ion Ratio Lower Upper

276 100

138 17.4 15.0 22.4

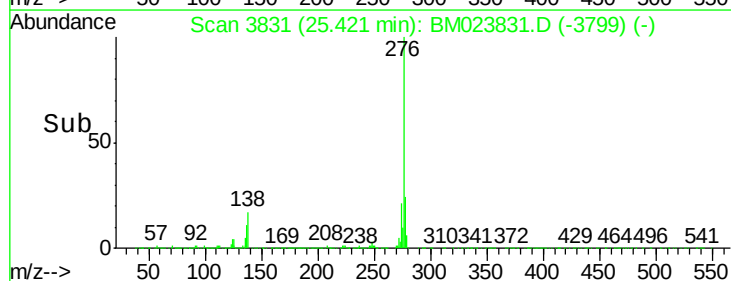
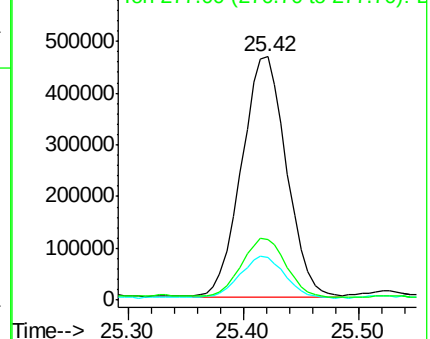
277 24.8 20.0 30.0

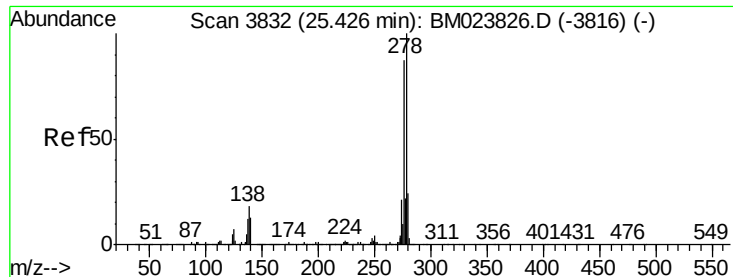


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.137 ng/ul

RT: 25.42 min Scan# 3831

Delta R.T. -0.02 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

ClientSampleId :

C0AA4

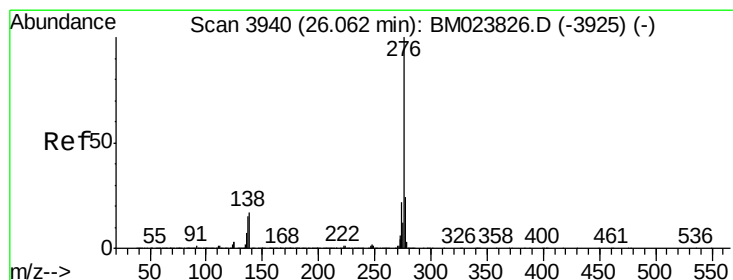
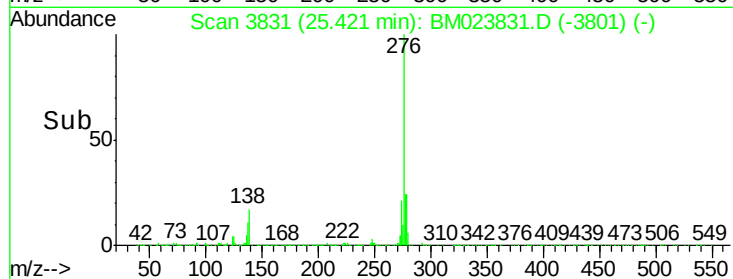
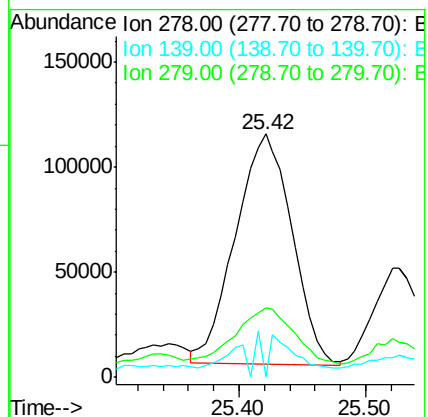
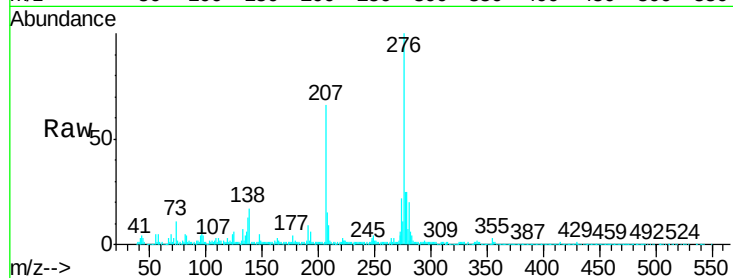
Tgt Ion:278 Resp: 339361

Ion Ratio Lower Upper

278 100

139 0.0 10.0 15.0#

279 28.5 19.0 28.6



#94

Benzo(g,h,i)perylene

Concen: 12.159 ng/ul

RT: 26.07 min Scan# 3942

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Tgt Ion:276 Resp: 1262771

Ion Ratio Lower Upper

276 100

138 16.9 13.2 19.8

277 24.5 18.6 28.0

