

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
 Data File : BM023103.D
 Acq On : 10 Oct 2019 04:06
 Operator : JU
 Sample : K5177-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 10 05:37:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 15:02:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	189998	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	762134	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	425341	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.14	188	815637	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	794273	20.00	ng/ul	0.00
86) Perylene-d12	23.58	264	964318	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	15291	3.48	ng/uL	0.00
5) Phenol-d5	6.94	99	254151	15.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	159864	17.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	234930	17.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	179295	13.04	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	112462	19.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	120356	18.74	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.18	165	217072	16.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	129882	8.36	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	647280	19.61	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	759947	19.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	66512	10.20	ng/ul	0.00
58) Fluorene-d10	15.40	176	596273	21.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	59710	11.25	ng/ul	0.00
71) Anthracene-d10	17.24	188	857586	21.53	ng/ul	0.00
79) Pyrene-d10	19.54	212	948404	22.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.44	264	1088789	21.83	ng/ul	0.00

Target Compounds

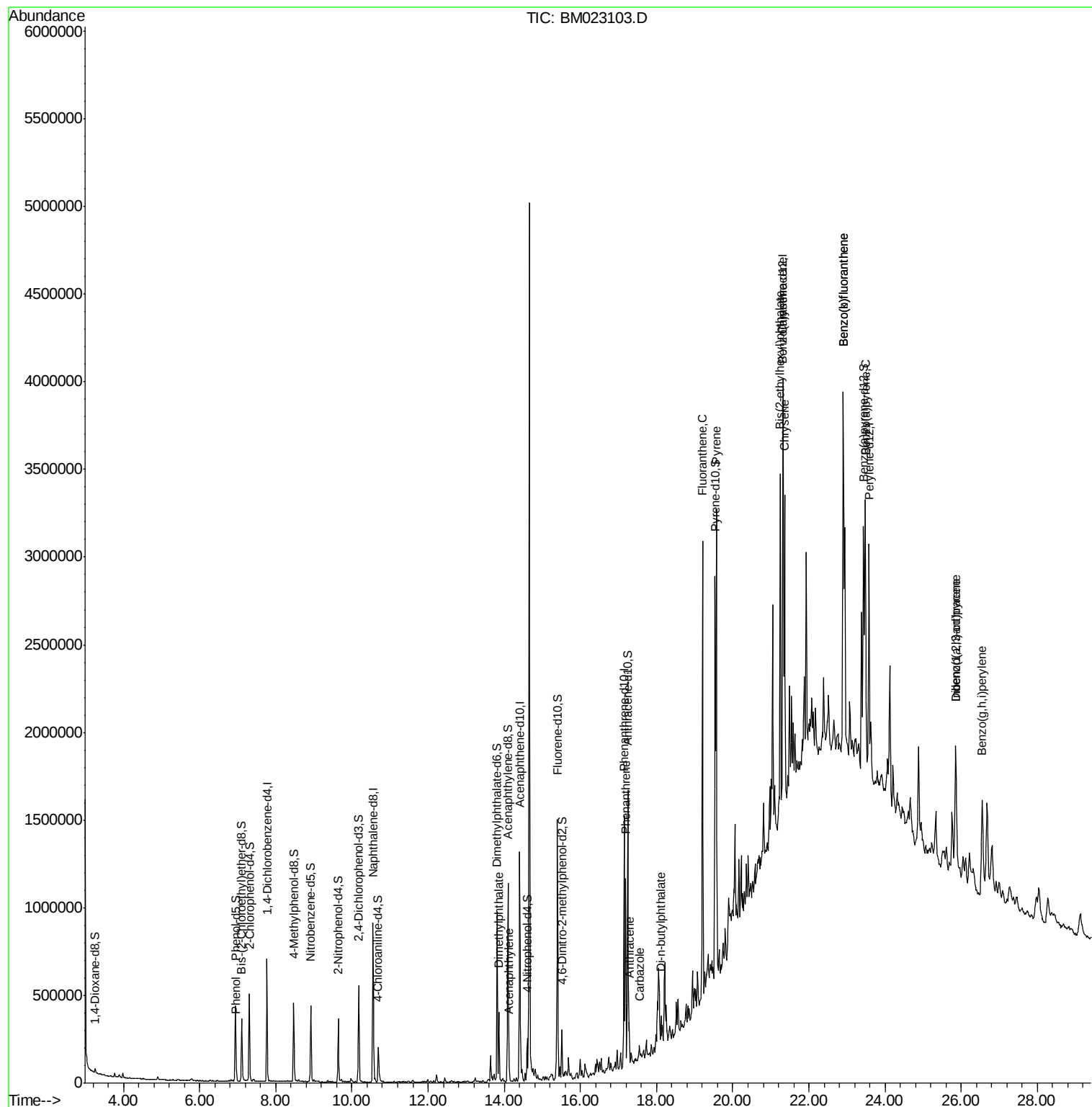
					Ovalue
6) Phenol	6.96	94	38704	2.199	ng/ul 96
45) Dimethylphthalate	13.86	163	242041	7.138	ng/ul 100
48) Acenaphthylene	14.13	152	63151	1.535	ng/ul 98
70) Phenanthrene	17.19	178	621346	12.764	ng/ul 100
72) Anthracene	17.28	178	146482	2.953	ng/ul 99
75) Carbazole	17.54	167	53621	1.216	ng/ul 97
76) Di-n-butylphthalate	18.12	149	113044	2.175	ng/ul 99
77) Fluoranthene	19.20	202	1461167	26.689	ng/ul 99
80) Pvrene	19.57	202	1561938	27.741	ng/ul 99
83) Benzo(a)anthracene	21.31	228	884176	15.505	ng/ul 98
84) Bis(2-ethylhexyl)phthalate	21.25	149	738166	22.436	ng/ul# 99
85) Chrysene	21.36	228	960022	18.260	ng/ul 98
88) Benzo(b)fluoranthene	22.90	252	1253041	19.581	ng/ul# 95
89) Benzo(k)fluoranthene	22.90	252	1253041	20.467	ng/ul# 95
91) Benzo(a)pyrene	23.49	252	948241	15.794	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.85	276	657686	10.313	ng/ul 97
93) Dibenzo(a,h)anthracene	25.86	278	176873	3.316	ng/ul# 88
94) Benzo(g,h,i)perylene	26.56	276	630987	12.264	ng/ul 98

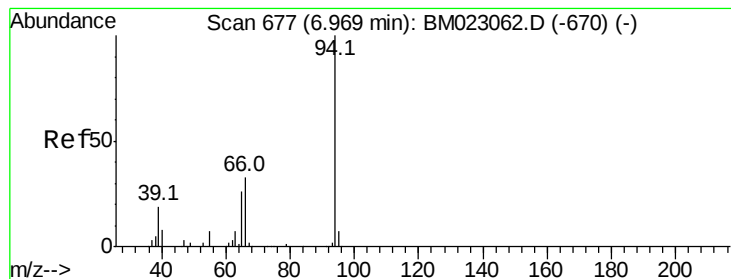
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.199 ng/ul

RT: 6.96 min Scan# 676

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

ClientSampleId :

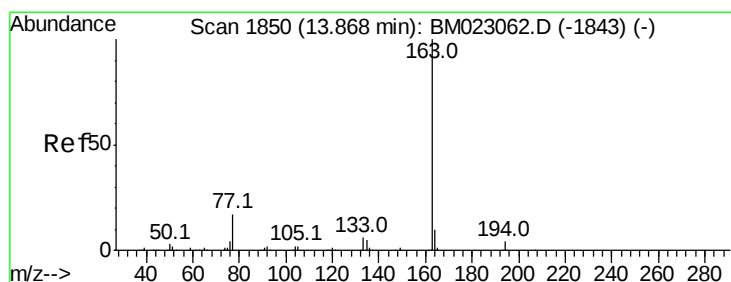
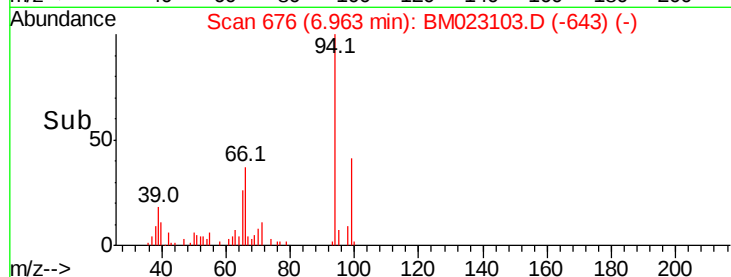
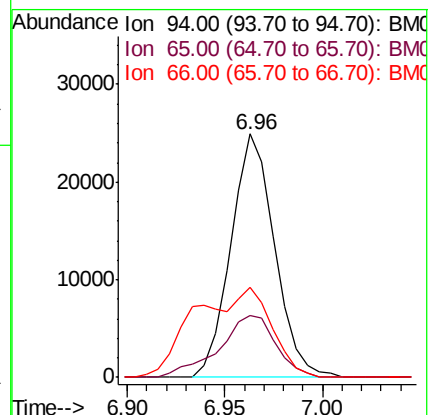
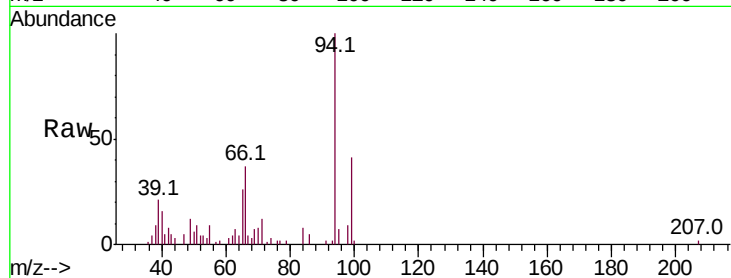
Tot Ion: 94 Resp: 38704

Ion Ratio Lower Upper

94 100

65 25.5 20.9 31.3

66 37.2 27.2 40.8



#45

Dimethylphthalate

Concen: 7.138 ng/ul

RT: 13.86 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

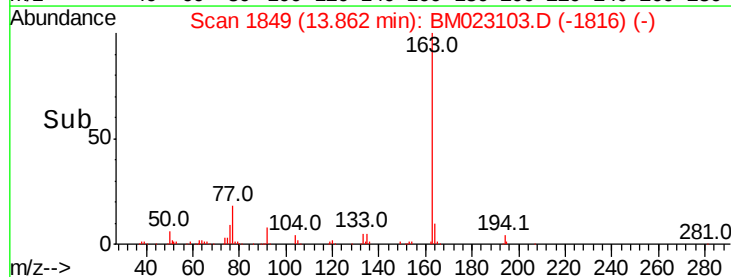
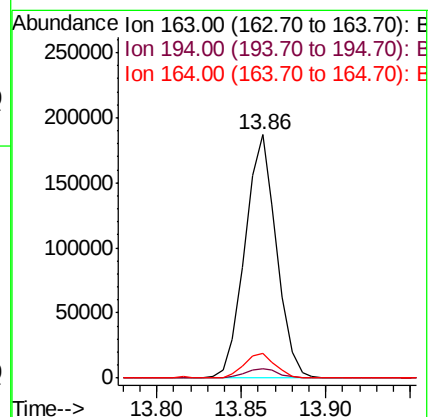
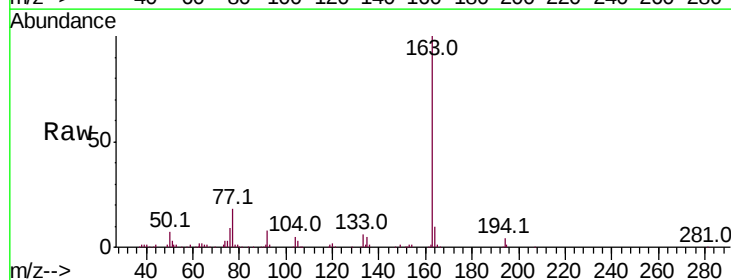
Tgt Ion:163 Resp: 242041

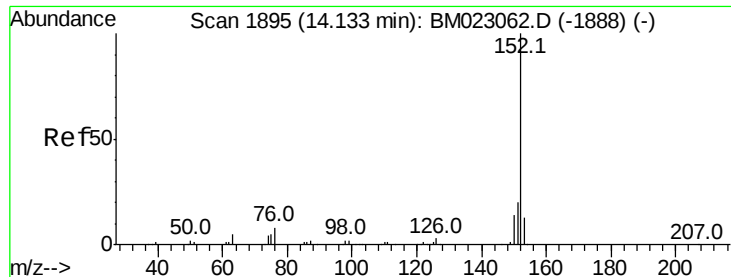
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 10.0 8.1 12.1





#48

Acenaphthylene

Concen: 1.535 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

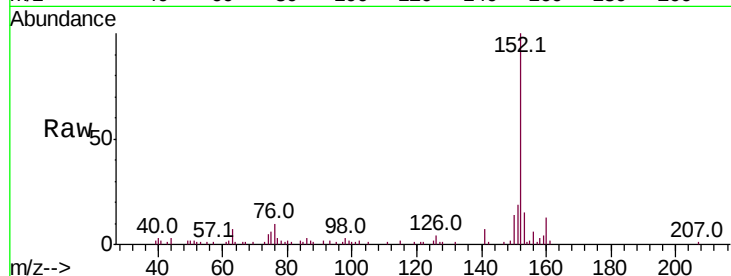
Instrument :

BNA_M

ClientSampled :

Tot Ion:152 Resp: 63151

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.0	24.0
153	14.5	10.6	16.0

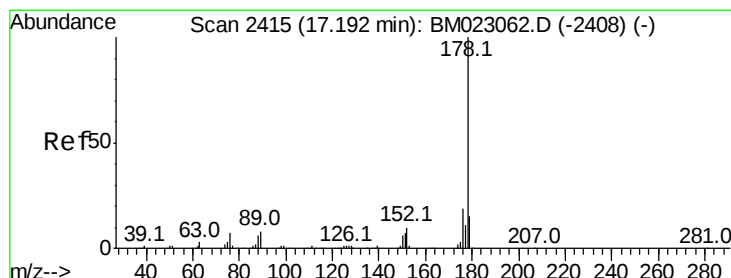
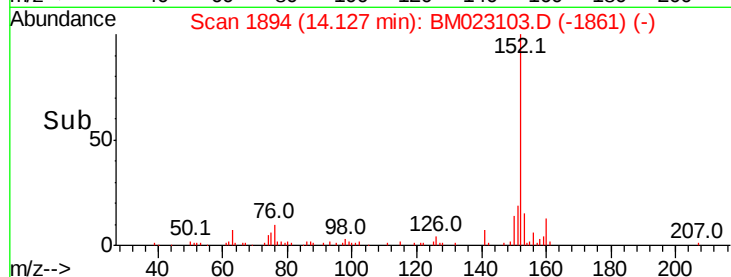
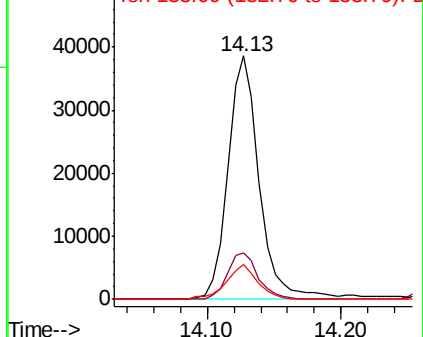


Abundance

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: 12.764 ng/ul

RT: 17.19 min Scan# 2414

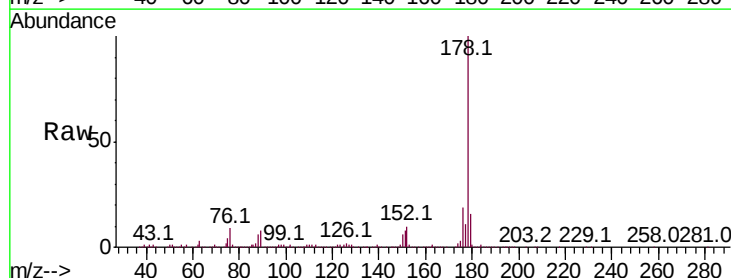
Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Tgt Ion:178 Resp: 621346

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.1	15.3	22.9

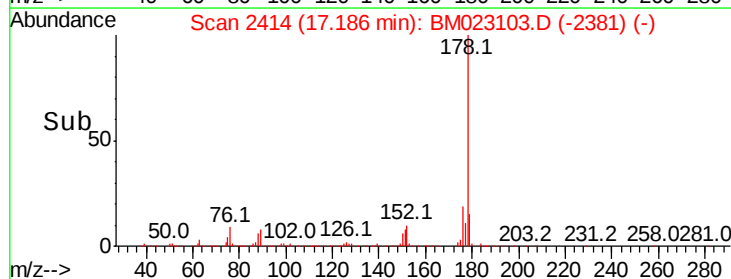
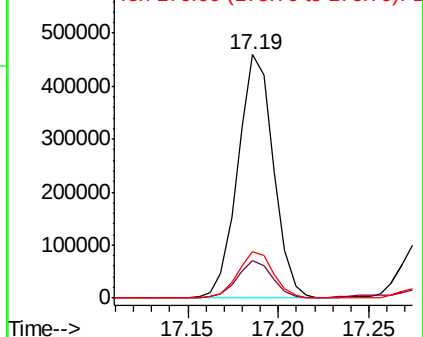


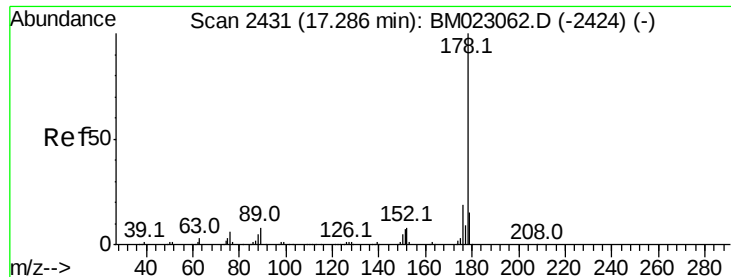
Abundance

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: 2.953 ng/ul

RT: 17.28 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

ClientSampleId :

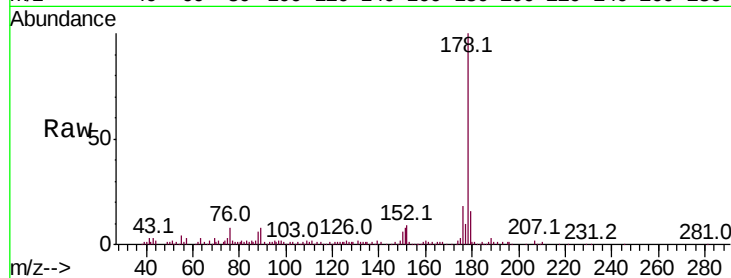
Tot Ion:178 Resp: 146482

Ion Ratio Lower Upper

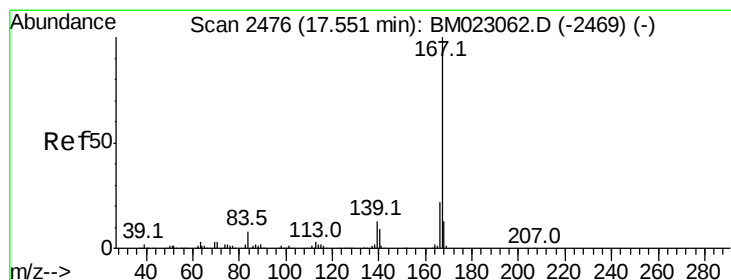
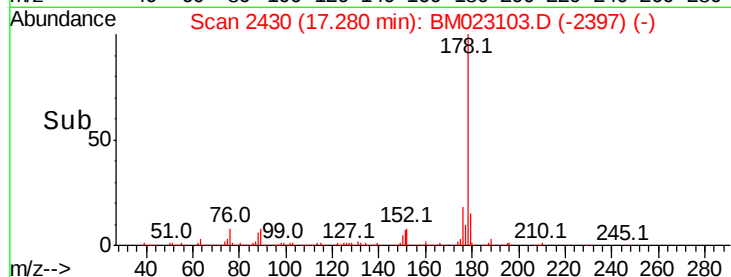
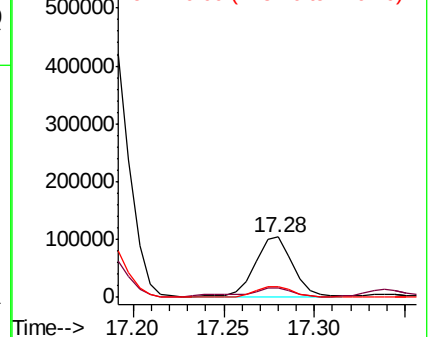
178 100

179 15.8 12.4 18.6

176 18.2 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



#75

Carbazole

Concen: 1.216 ng/ul

RT: 17.54 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

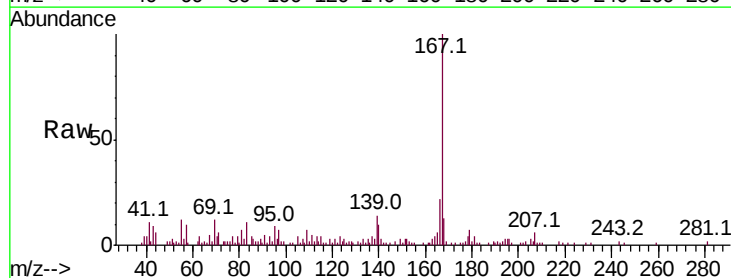
Tgt Ion:167 Resp: 53621

Ion Ratio Lower Upper

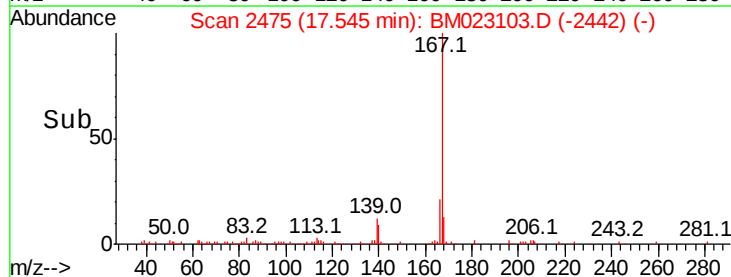
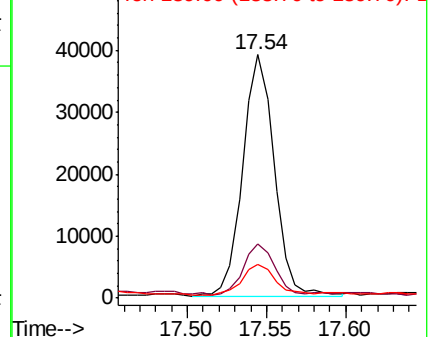
167 100

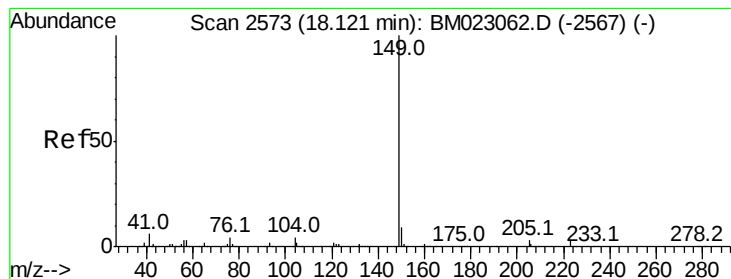
166 22.4 17.1 25.7

139 13.7 9.9 14.9



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

Di-n-butylphthalate

Concen: 2.175 ng/ul

RT: 18.12 min Scan# 2572

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

ClientSampleId :

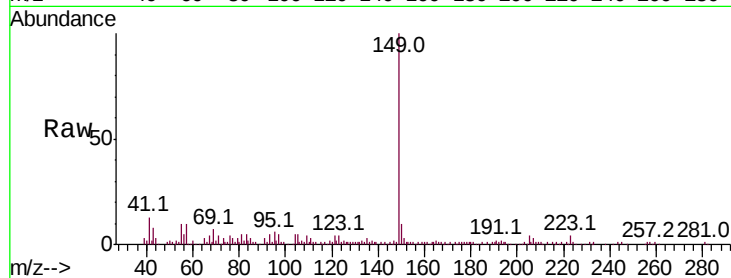
Tot Ion:149 Resp: 113044

Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.0

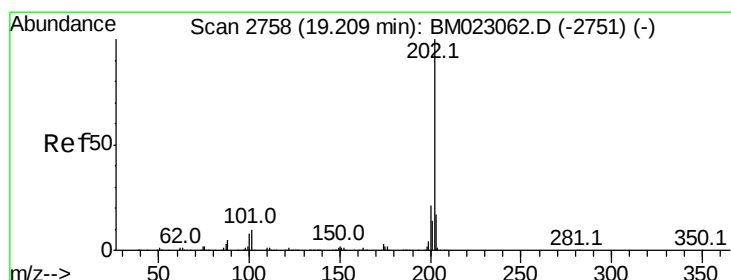
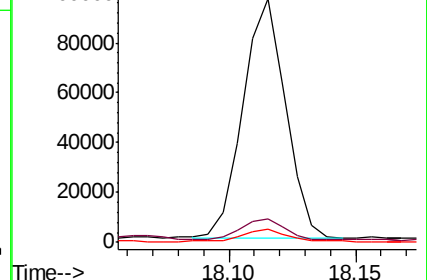
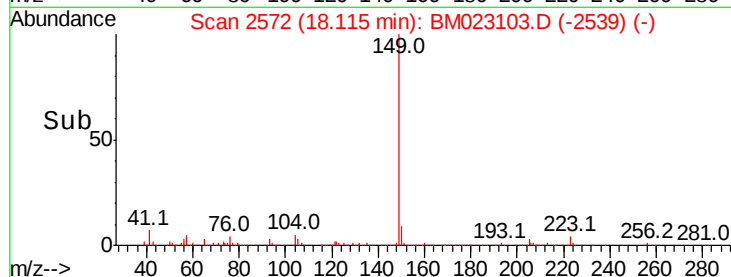
104 5.3 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 26.689 ng/ul

RT: 19.20 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

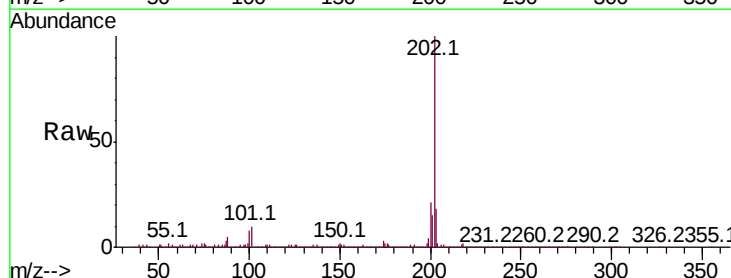
Tgt Ion:202 Resp: 1461167

Ion Ratio Lower Upper

202 100

101 10.3 8.6 12.8

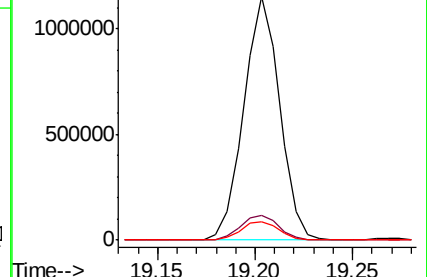
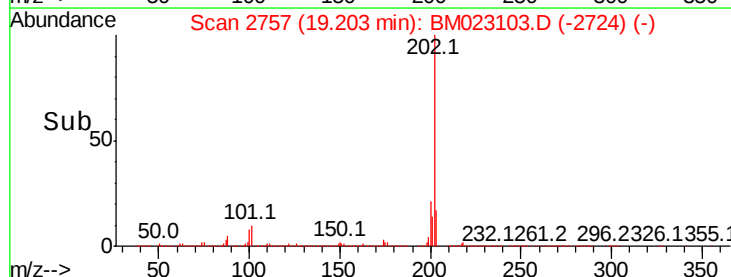
100 7.7 6.4 9.6

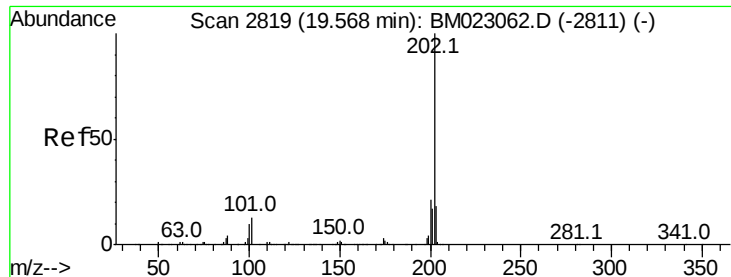


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

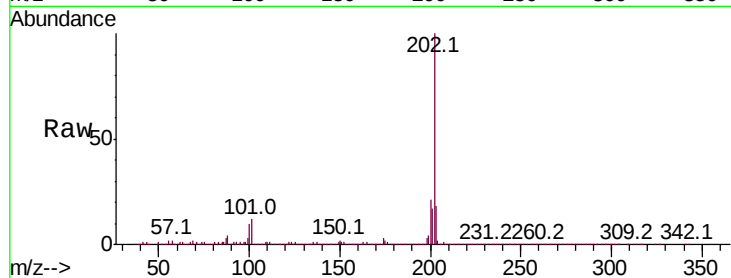




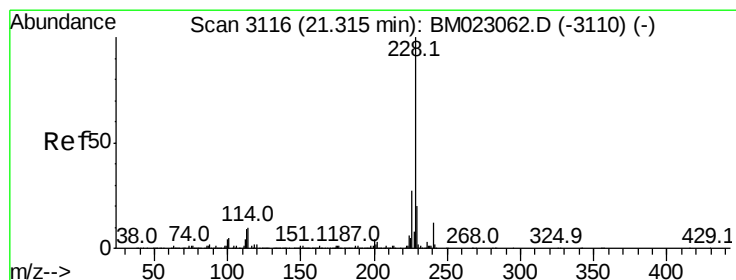
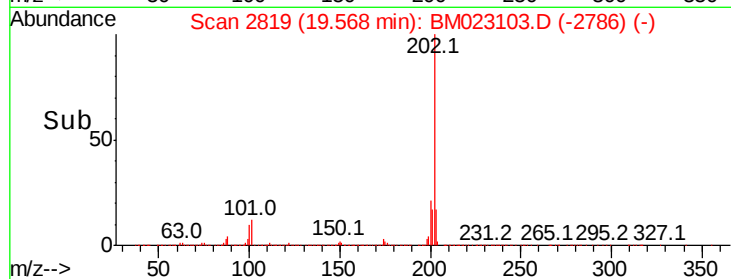
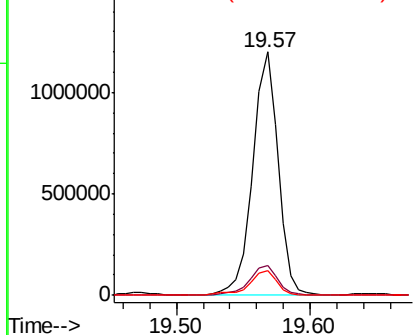
#80
Pvrene
Concen: 27.741 ng/ul
RT: 19.57 min Scan# 2819
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 1561938
Ion Ratio Lower Upper
202 100
101 12.3 9.7 14.5
100 10.0 7.8 11.8

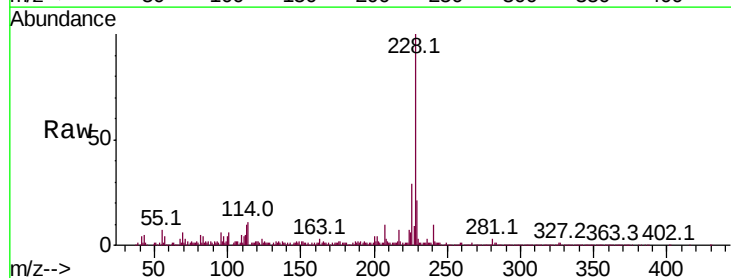


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

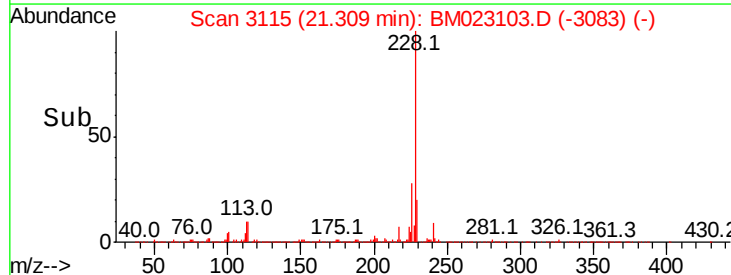
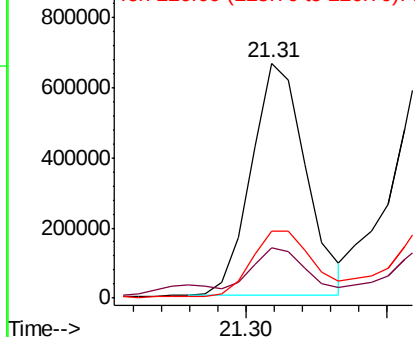


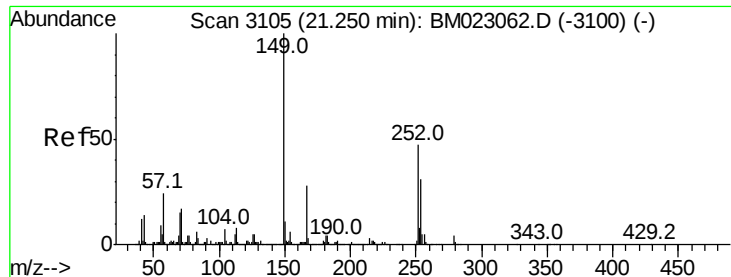
#83
Benzo(a)anthracene
Concen: 15.505 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. -0.01 min
Lab File: BM023103.D
Acq: 10 Oct 2019 04:06

Tgt Ion:228 Resp: 884176
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.8
226 28.6 22.4 33.6



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: 22.436 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

ClientSampleId :

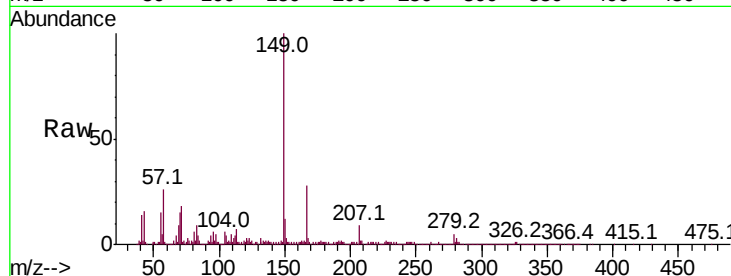
Tot Ion:149 Resp: 738166

Ion Ratio Lower Upper

149 100

167 28.1 22.1 33.1

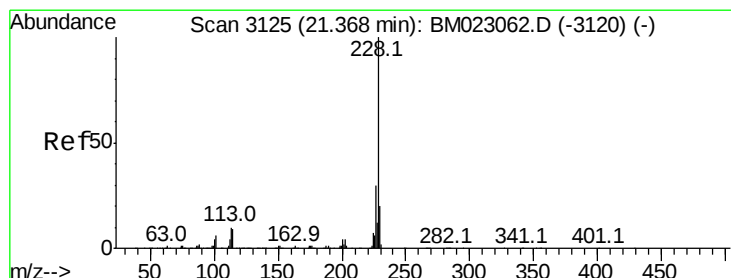
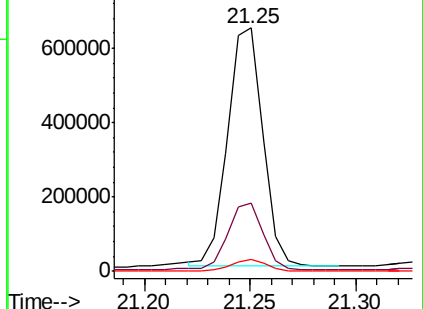
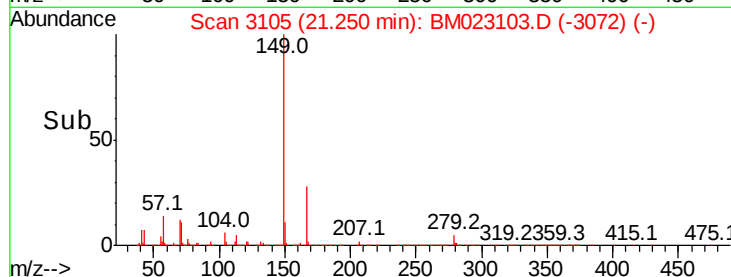
279 4.9 3.3 4.9#



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: 18.260 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

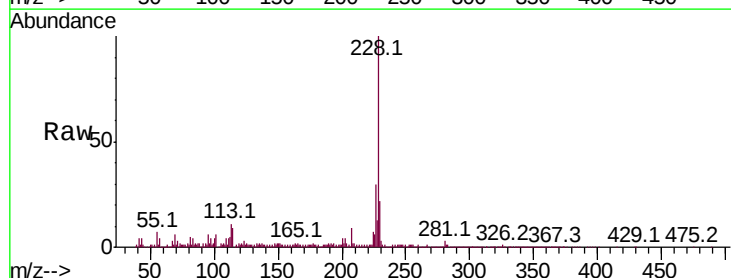
Tgt Ion:228 Resp: 960022

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

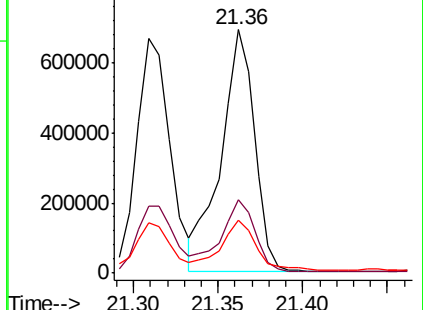
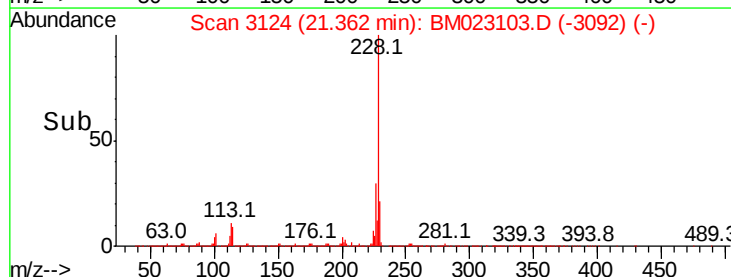
229 21.6 15.9 23.9

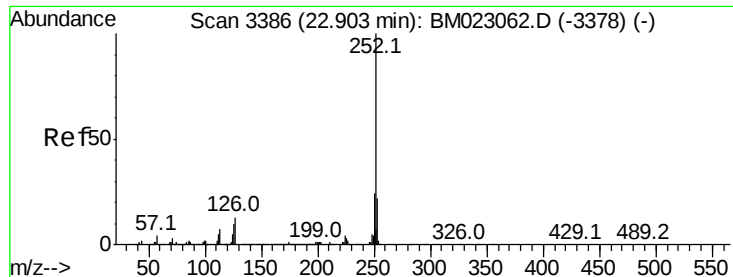


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 19.581 ng/ul

RT: 22.90 min Scan# 3386

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

ClientSampleId :

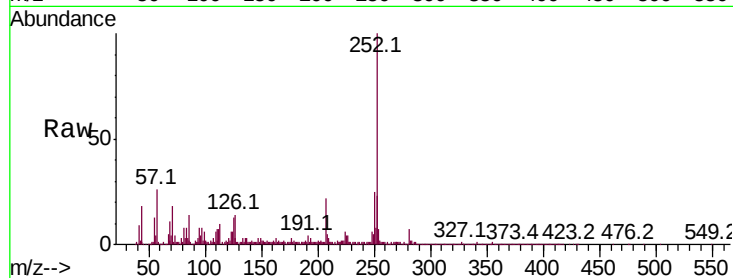
Tot Ion:252 Resp: 1253041

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

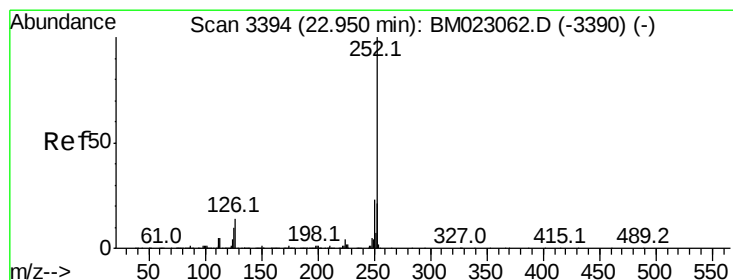
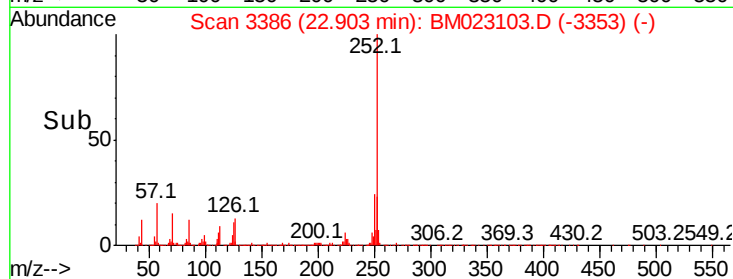
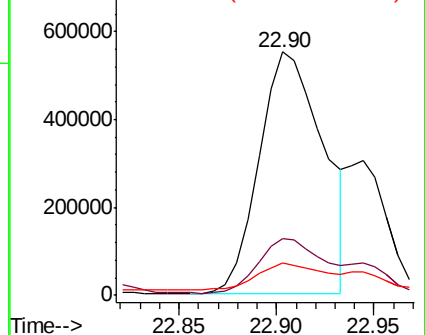
125 13.3 8.2 12.2#



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: 20.467 ng/ul

RT: 22.90 min Scan# 3386

Delta R.T. -0.05 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

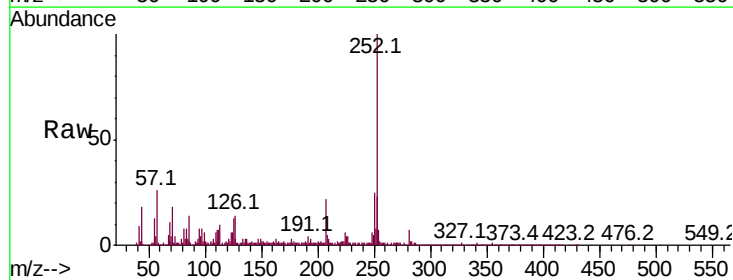
Tgt Ion:252 Resp: 1253041

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

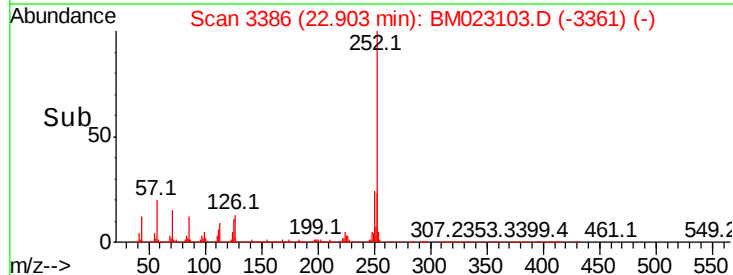
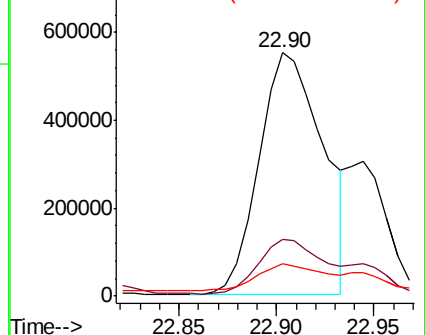
125 13.3 7.9 11.9#

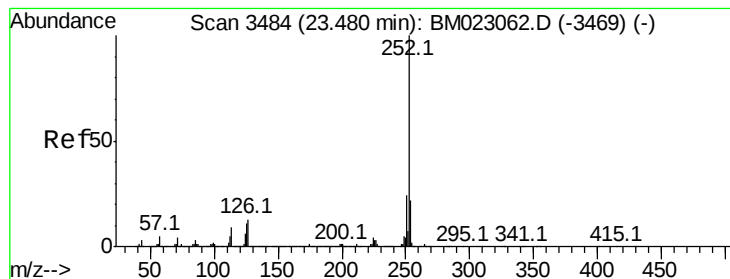


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 15.794 ng/ul

RT: 23.49 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

ClientSampleId :

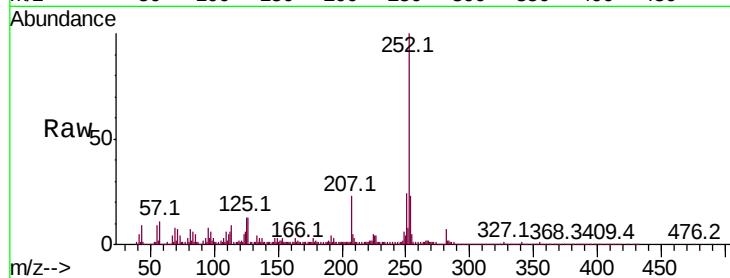
Tot Ion:252 Resp: 948241

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

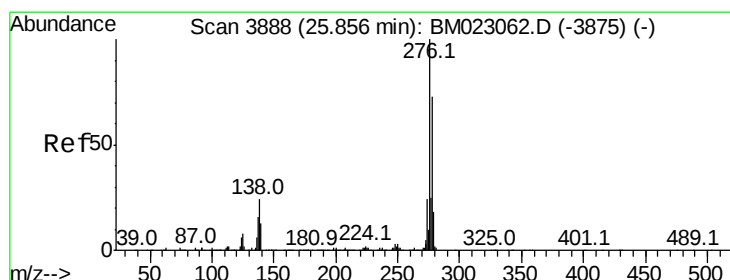
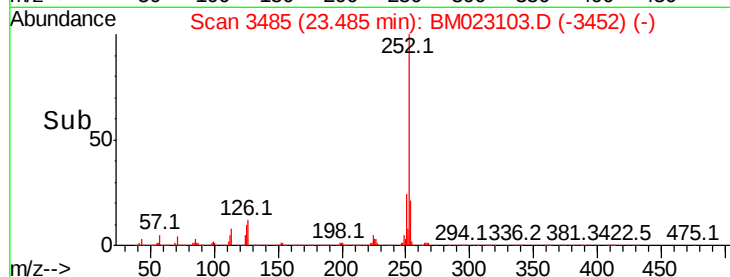
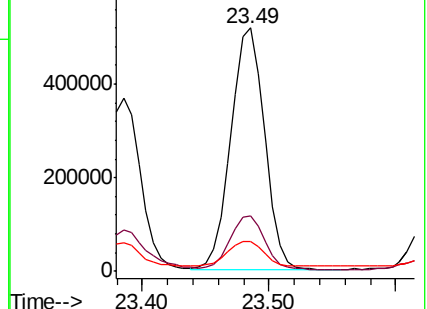
125 12.5 8.7 13.1



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: 10.313 ng/ul

RT: 25.85 min Scan# 3887

Delta R.T. -0.02 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

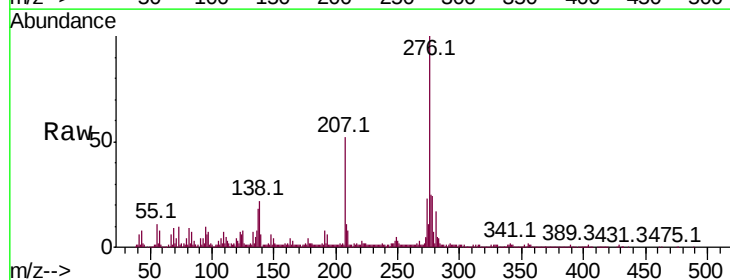
Tgt Ion:276 Resp: 657686

Ion Ratio Lower Upper

276 100

138 22.2 19.8 29.8

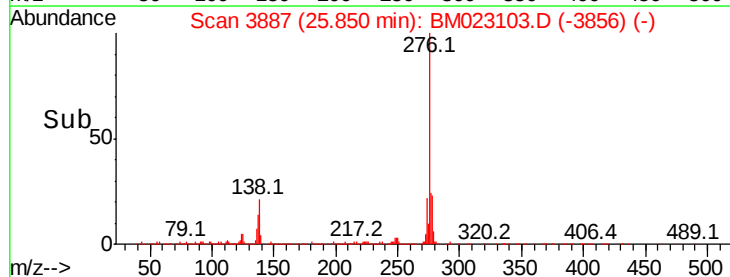
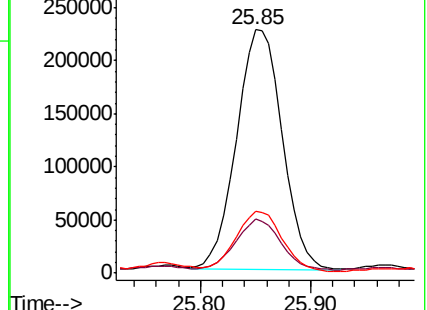
277 25.2 20.3 30.5

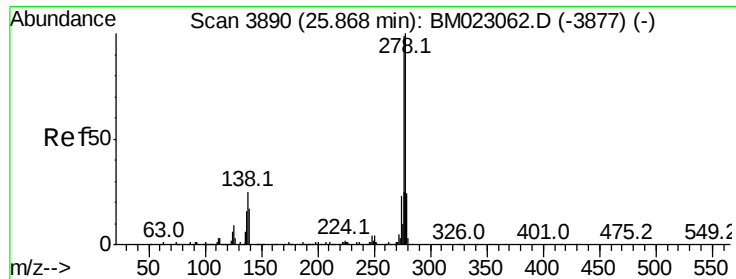


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.316 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

Instrument :

BNA_M

ClientSampleId :

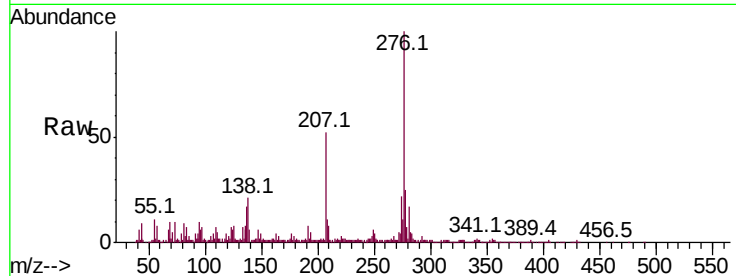
Tot Ion:278 Resp: 176873

Ion Ratio Lower Upper

278 100

139 23.7 13.2 19.8#

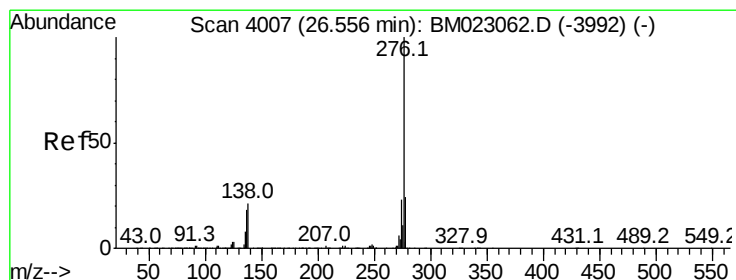
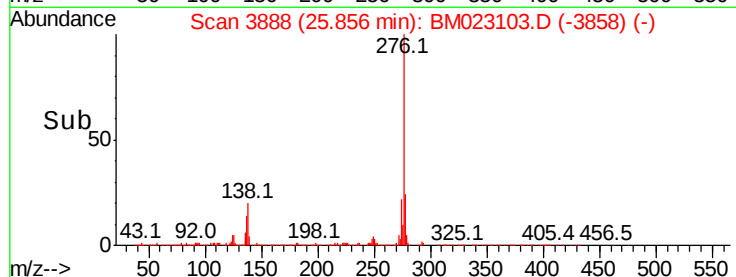
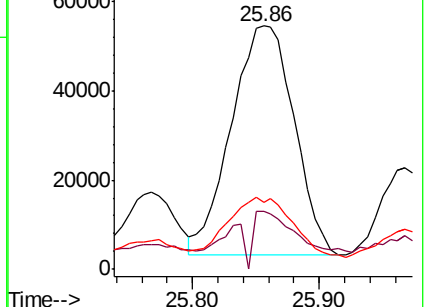
279 27.7 19.0 28.6



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



#94

Benzo(g,h,i)perylene

Concen: 12.264 ng/ul

RT: 26.56 min Scan# 4007

Delta R.T. -0.01 min

Lab File: BM023103.D

Acq: 10 Oct 2019 04:06

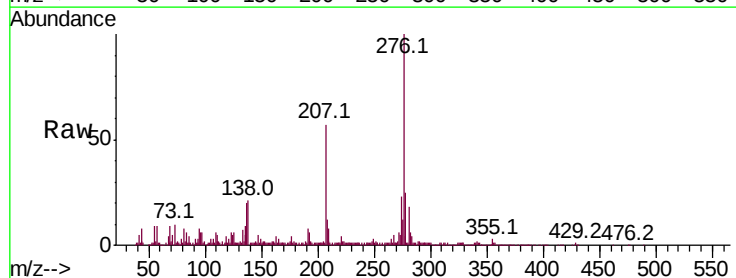
Tgt Ion:276 Resp: 630987

Ion Ratio Lower Upper

276 100

138 21.2 17.6 26.4

277 24.8 19.1 28.7



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

