

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023220.D
 Acq On : 17 Oct 2019 14:02
 Operator : JU
 Sample : K5199-12DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 17 14:35:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 12:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	495058	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1955624	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	1192385	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	2335118	20.00	ng/ul	0.01
78) Chrysene-d12	21.26	240	2437673	20.00	ng/ul	0.01
86) Perylene-d12	23.48	264	3090723	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	8532	0.76	ng/uL	0.01
5) Phenol-d5	6.85	99	154524	3.58	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.00	67	102859	4.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	139277	4.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	110390	3.19	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	68069	5.14	ng/ul	0.01
22) 2-Nitrophenol-d4	9.54	143	67964	5.39	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.08	165	141736	4.42	ng/ul	0.02
29) 4-Chloroaniline-d4	10.59	131	76001	1.95	ng/ul	0.01
44) Dimethylphthalate-d6	13.73	166	452498	4.95	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	545487	5.09	ng/ul	0.01
52) 4-Nitrophenol-d4	14.52	143	29204	1.97	ng/ul	0.02
58) Fluorene-d10	15.32	176	416932	5.36	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.44	200	11320	1.22	ng/ul	0.02
71) Anthracene-d10	17.16	188	622016	5.52	ng/ul	0.01
79) Pyrene-d10	19.46	212	655286	5.55	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.34	264	856139	5.46	ng/ul	0.02

Target Compounds

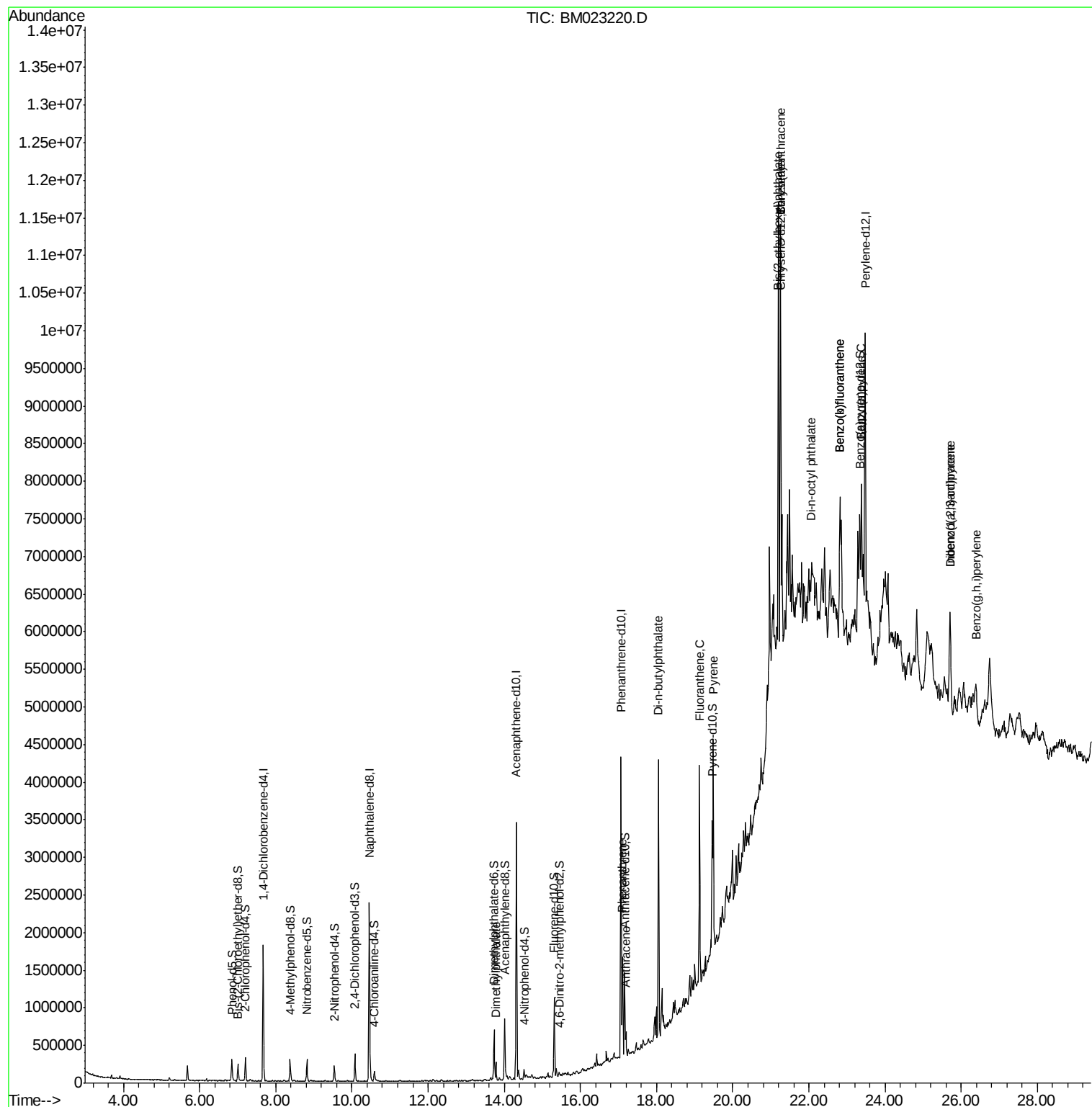
					Ovalue	
45) Dimethylphthalate	13.78	163	154163	1.686	ng/ul	99
70) Phenanthrene	17.10	178	790392	6.031	ng/ul	99
72) Anthracene	17.20	178	201508	1.488	ng/ul	99
76) Di-n-butylphthalate	18.05	149	2628720	18.260	ng/ul	99
77) Fluoranthene	19.13	202	1697358	10.891	ng/ul	99
80) Pyrene	19.49	202	1807318	11.835	ng/ul	99
83) Benzo(a)anthracene	21.24	228	1159320	7.019	ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.20	149	2242454	26.552	ng/ul	100
85) Chrysene	21.24	228	1167200	7.611	ng/ul	96
87) Di-n-octyl phthalate	22.06	149	361056	2.264	ng/ul	100
88) Benzo(b)fluoranthene	22.82	252	1521947	8.122	ng/ul#	95
89) Benzo(k)fluoranthene	22.82	252	1521947	8.458	ng/ul#	95
91) Benzo(a)pyrene	23.38	252	1190729	6.623	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	25.71	276	810280	3.788	ng/ul	95
93) Dibenzo(a,h)anthracene	25.71	278	226338	1.266	ng/ul#	72
94) Benzo(g,h,i)perylene	26.39	276	601354	3.415	ng/ul	97

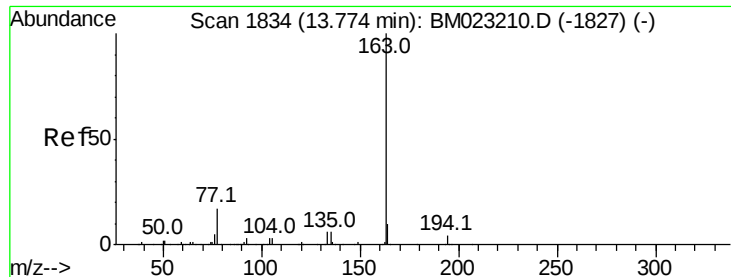
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 1.686 ng/ul

RT: 13.78 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

Instrument :

BNA_M

ClientSampled :

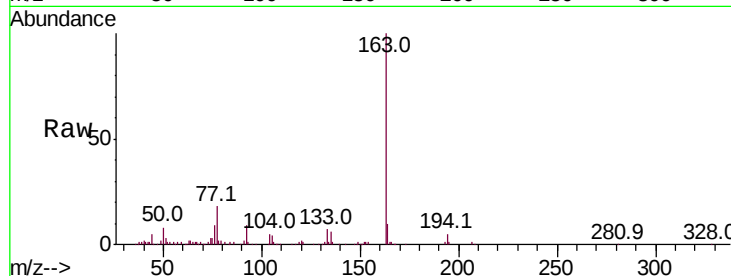
Tot Ion:163 Resp: 154163

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

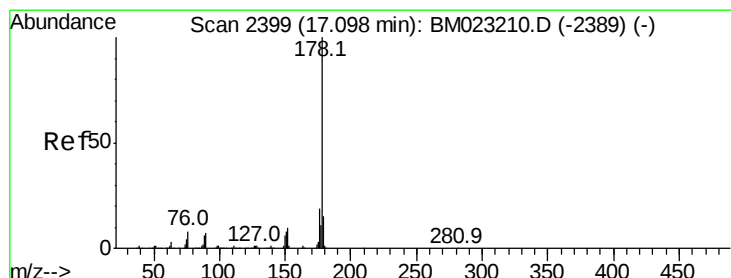
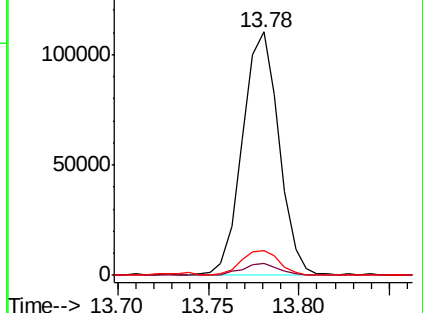
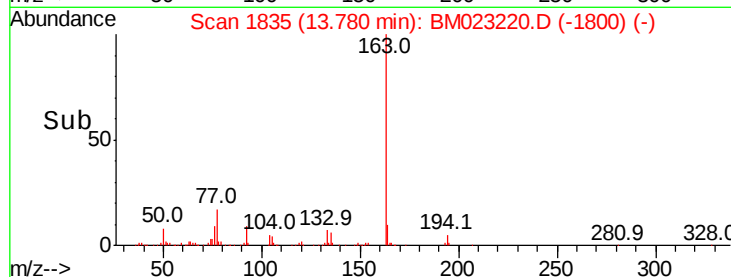
164 10.4 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

150000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#70

Phenanthrene

Concen: 6.031 ng/ul

RT: 17.10 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

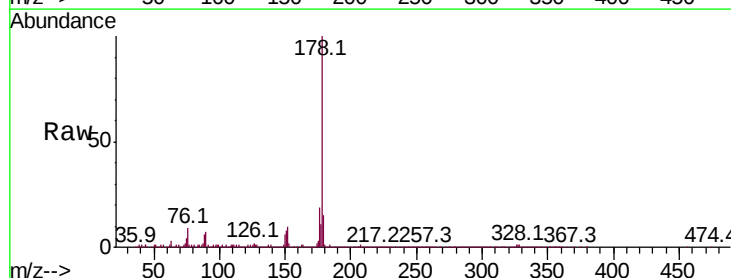
Tgt Ion:178 Resp: 790392

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

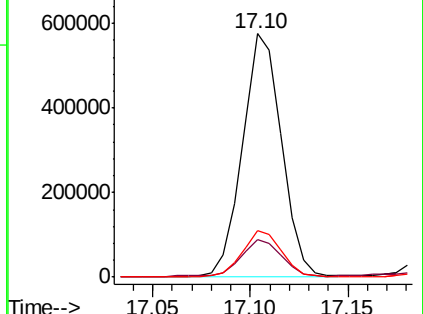
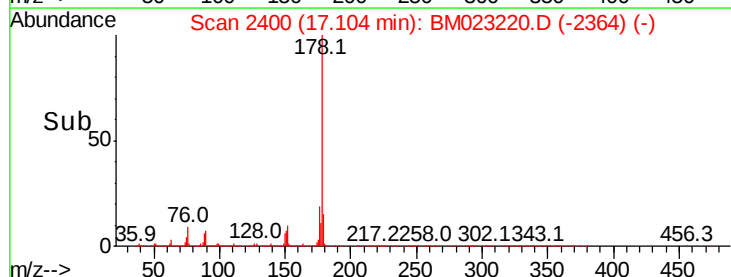
176 18.9 15.5 23.3

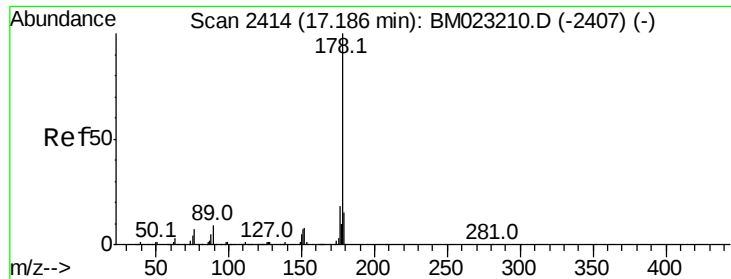


Abundance Ion 178.00 (177.70 to 178.70): E

800000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.488 ng/ul

RT: 17.20 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

Instrument :

BNA_M

ClientSampleId :

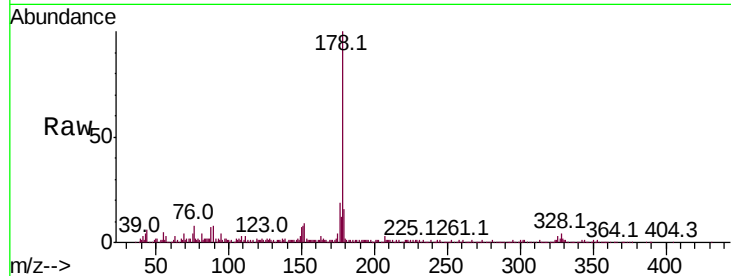
Tot Ion:178 Resp: 201508

Ion Ratio Lower Upper

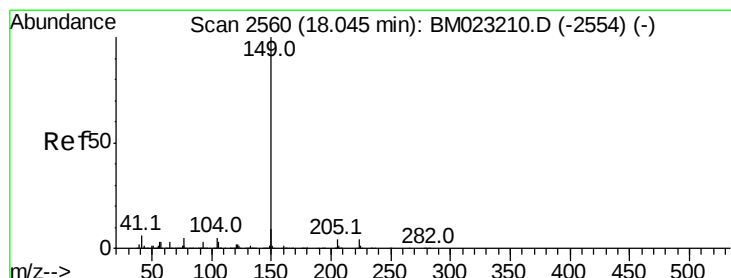
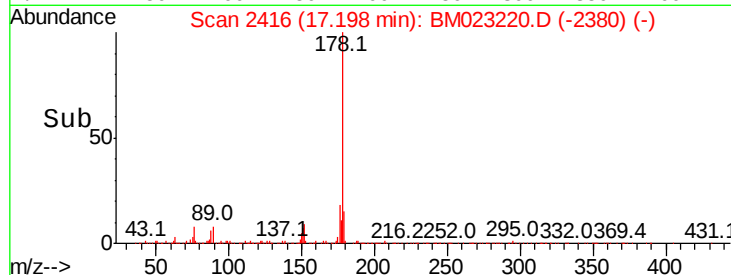
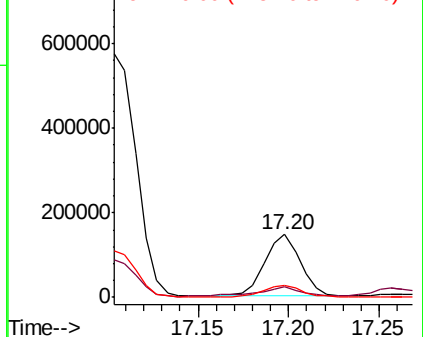
178 100

179 16.1 12.3 18.5

176 18.6 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



#76

Di-n-butylphthalate

Concen: 18.260 ng/ul

RT: 18.05 min Scan# 2561

Delta R.T. 0.01 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

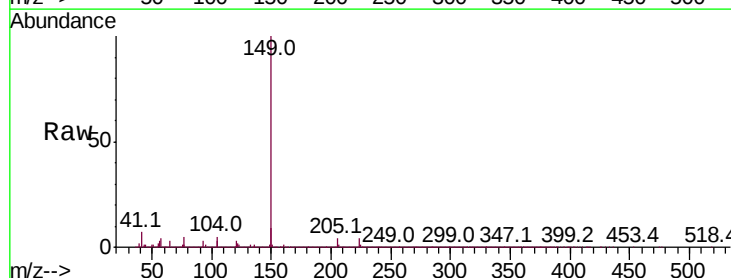
Tgt Ion:149 Resp: 2628720

Ion Ratio Lower Upper

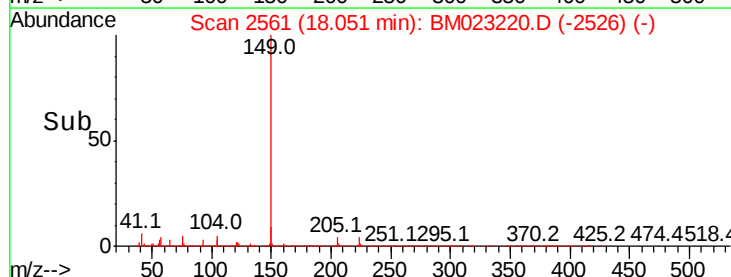
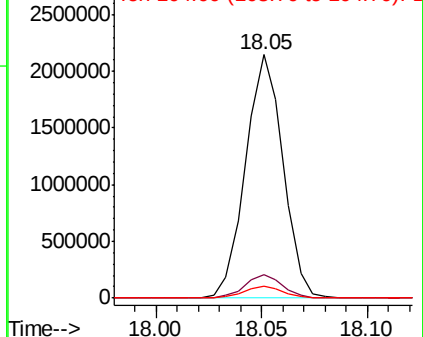
149 100

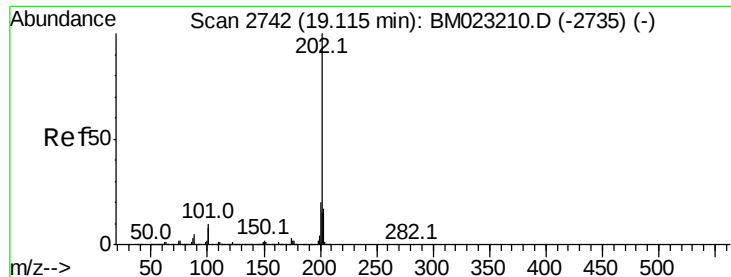
150 9.5 7.0 10.4

104 4.8 4.0 6.0



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: 10.891 ng/ul

RT: 19.13 min Scan# 2744

Delta R.T. 0.01 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

Instrument :

BNA_M

ClientSampleId :

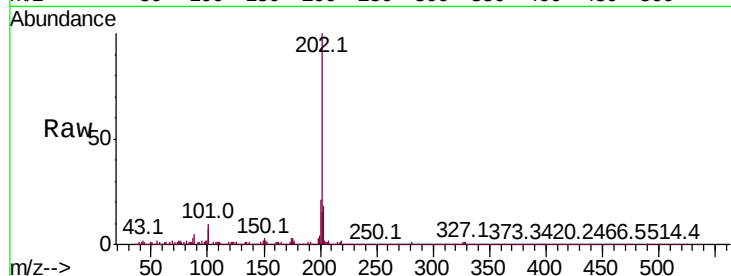
Tot Ion:202 Resp: 1697358

Ion Ratio Lower Upper

202 100

101 10.1 7.8 11.8

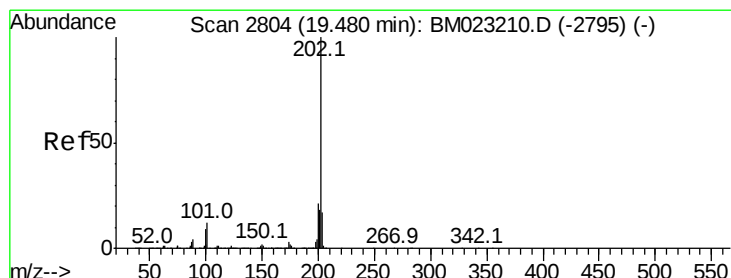
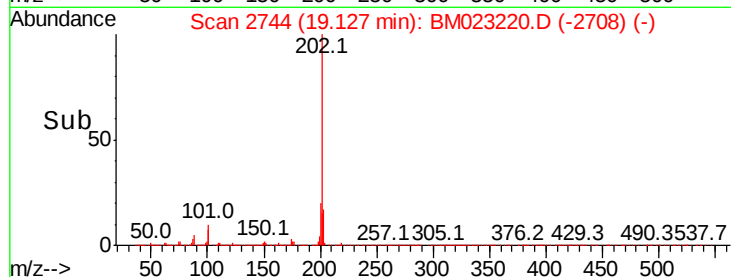
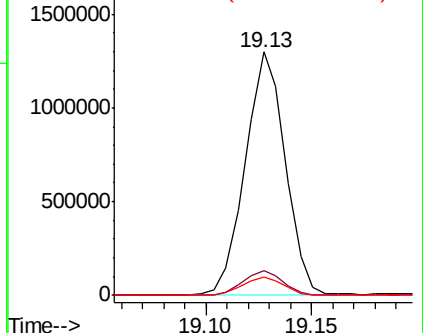
100 7.5 6.1 9.1



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: 11.835 ng/ul

RT: 19.49 min Scan# 2806

Delta R.T. 0.02 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

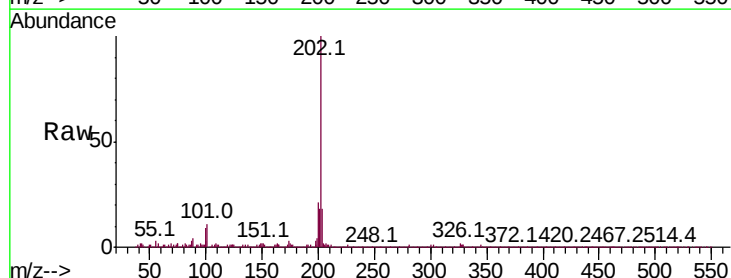
Tgt Ion:202 Resp: 1807318

Ion Ratio Lower Upper

202 100

101 11.0 9.1 13.7

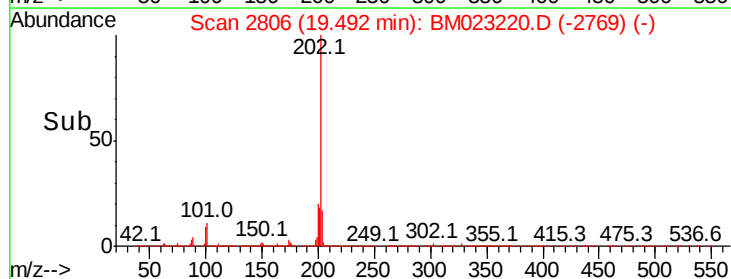
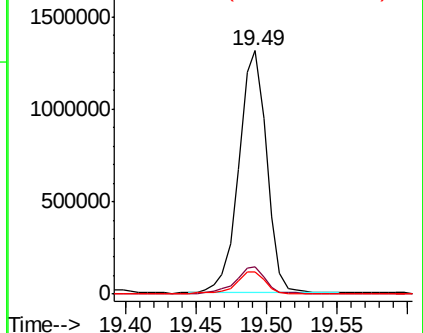
100 9.0 7.5 11.3

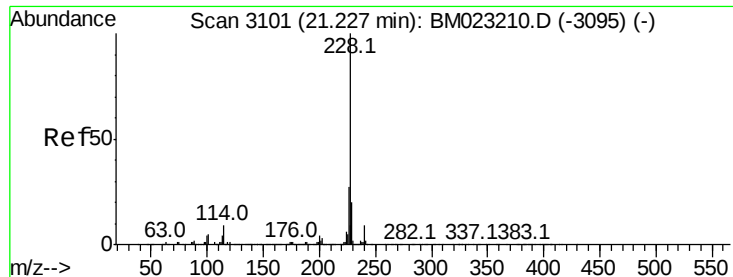


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

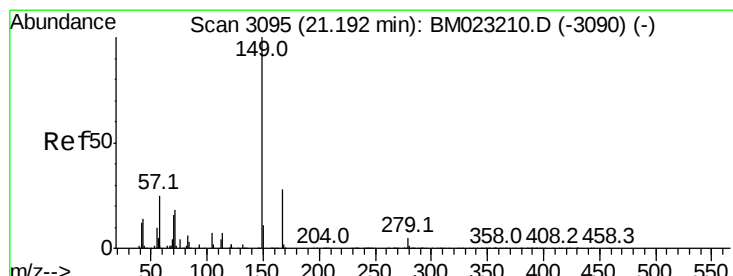
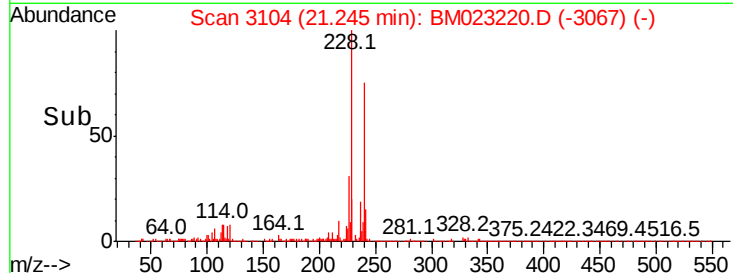
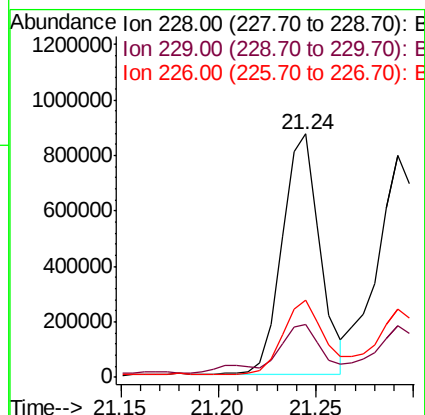
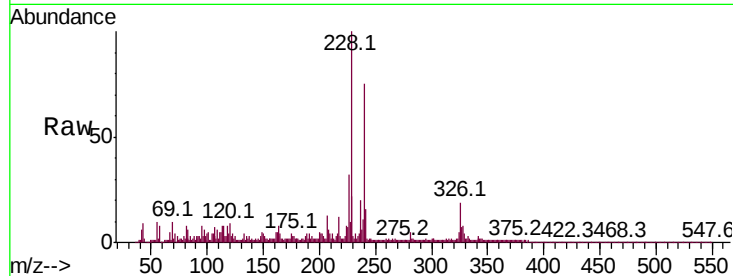




#83
Benzo(a)anthracene
Concen: 7.019 ng/ul
RT: 21.24 min Scan# 3104
Delta R.T. 0.02 min
Lab File: BM023220.D
Acq: 17 Oct 2019 14:02

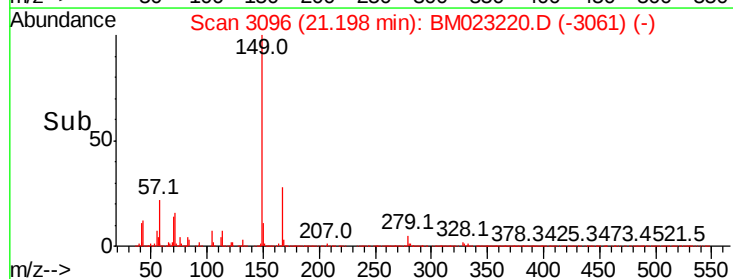
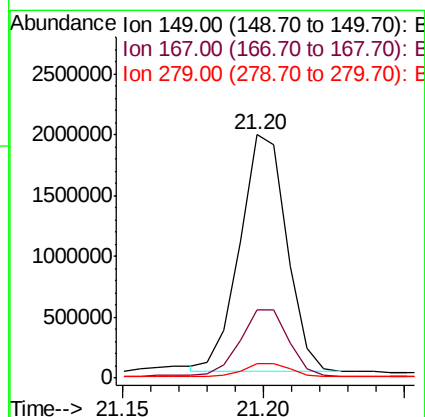
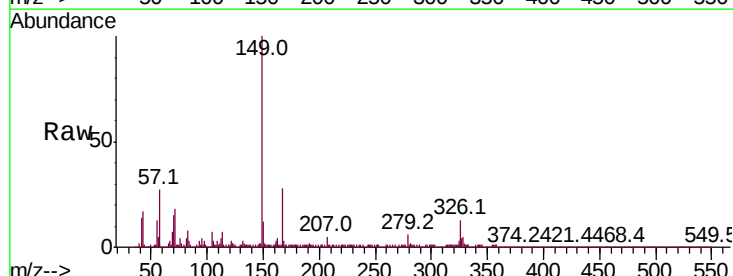
Instrument :
BNA_M
ClientSampled :

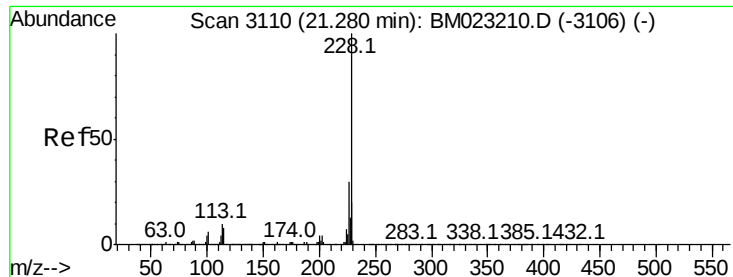
Tot Ion:228 Resp: 1159320
Ion Ratio Lower Upper
228 100
229 21.7 15.7 23.5
226 31.9 21.6 32.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 26.552 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. 0.01 min
Lab File: BM023220.D
Acq: 17 Oct 2019 14:02

Tgt Ion:149 Resp: 2242454
Ion Ratio Lower Upper
149 100
167 28.1 22.5 33.7
279 5.7 4.0 6.0

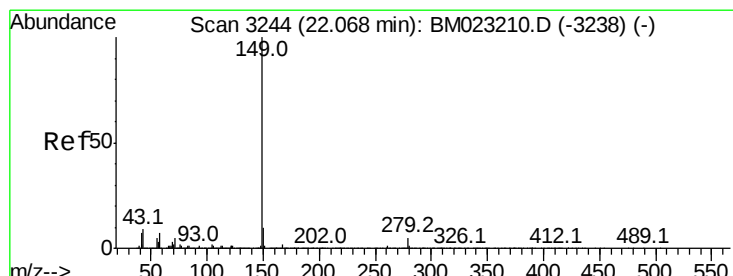
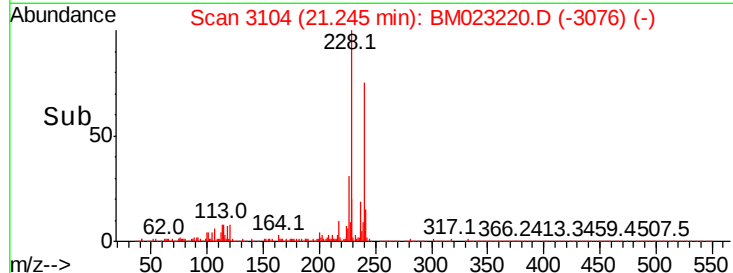
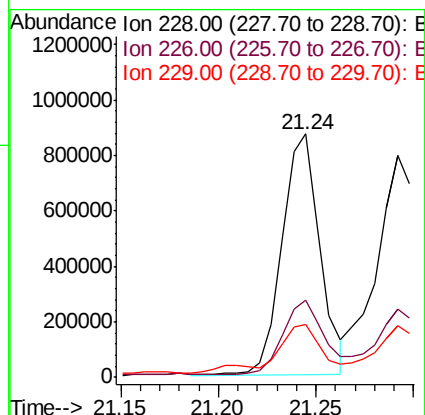
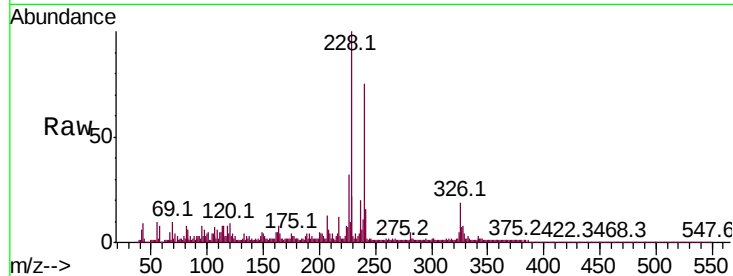




#85
 Chrysene
 Concen: 7.611 ng/ul
 RT: 21.24 min Scan# 3104
 Delta R.T. -0.04 min
 Lab File: BM023220.D
 Acq: 17 Oct 2019 14:02

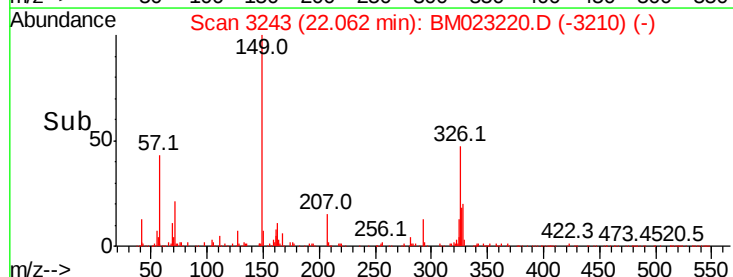
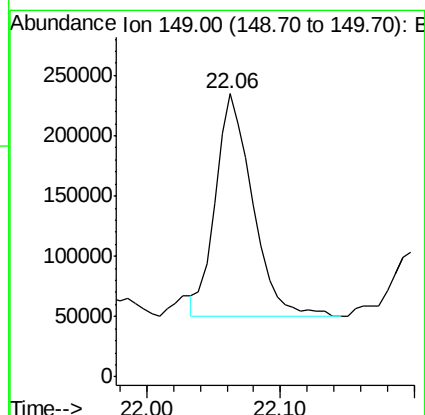
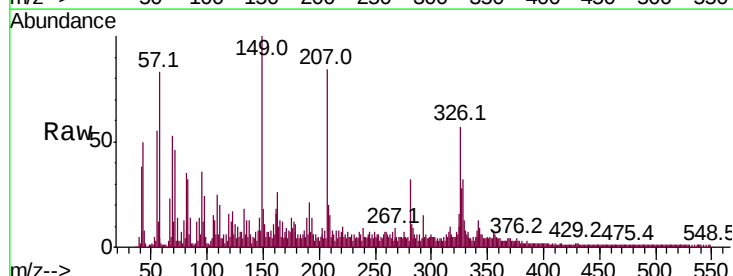
Instrument :
 BNA_M
 ClientSampleId :

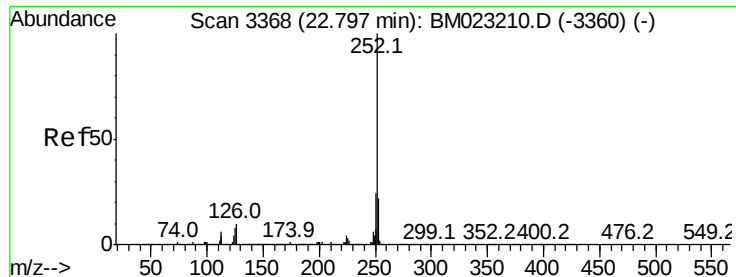
Tot Ion:228 Resp: 1167200
 Ion Ratio Lower Upper
 228 100
 226 31.9 23.8 35.6
 229 21.7 15.5 23.3



#87
 Di-n-octyl phthalate
 Concen: 2.264 ng/ul
 RT: 22.06 min Scan# 3243
 Delta R.T. -0.01 min
 Lab File: BM023220.D
 Acq: 17 Oct 2019 14:02

Tgt Ion:149 Resp: 361056





#88

Benzo(b)fluoranthene

Concen: 8.122 ng/ul

RT: 22.82 min Scan# 3371

Delta R.T. 0.02 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

Instrument :

BNA_M

ClientSampled :

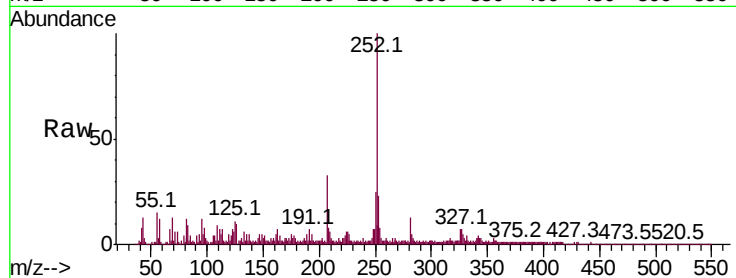
Tot Ion:252 Resp: 1521947

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

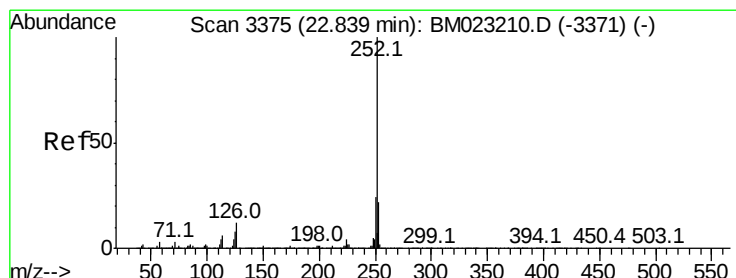
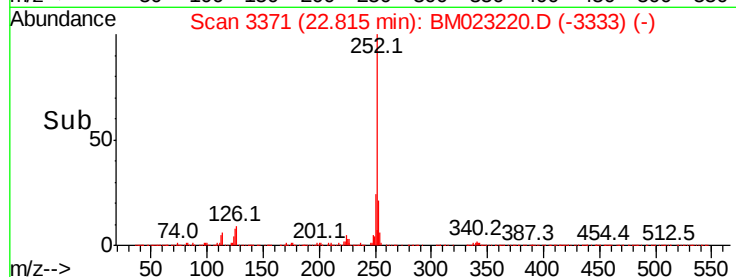
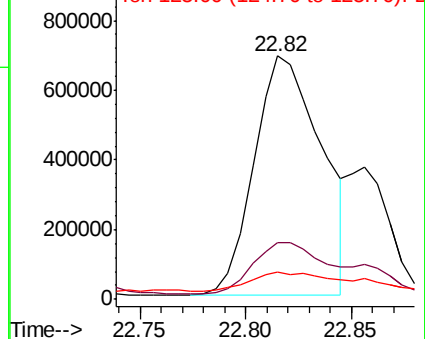
125 11.3 6.4 9.6#



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: 8.458 ng/ul

RT: 22.82 min Scan# 3371

Delta R.T. -0.02 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

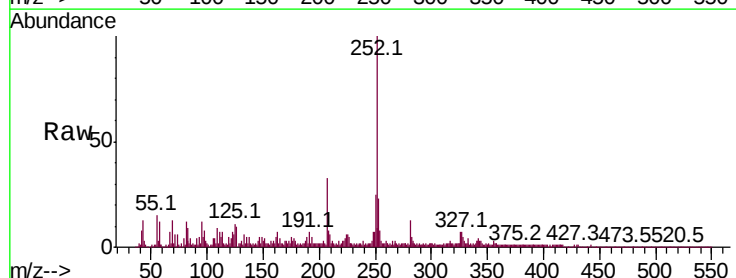
Tgt Ion:252 Resp: 1521947

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

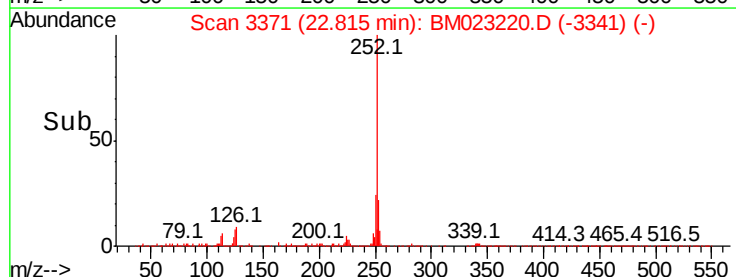
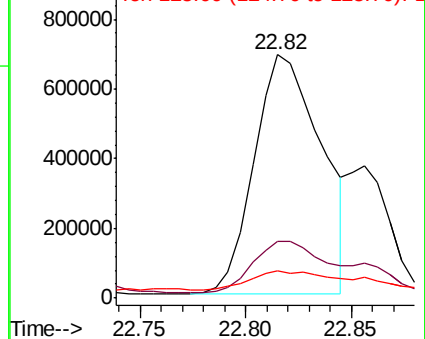
125 11.3 6.5 9.7#

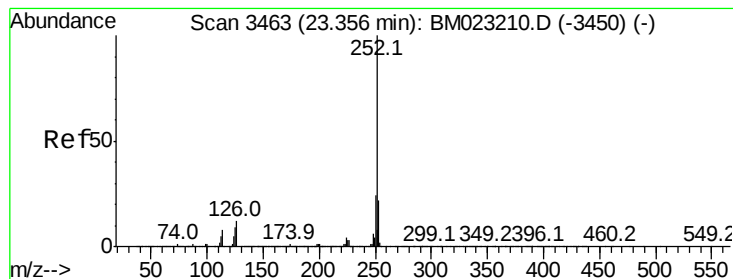


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 6.623 ng/ul

RT: 23.38 min Scan# 3467

Delta R.T. 0.02 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

Instrument :

BNA_M

ClientSampleId :

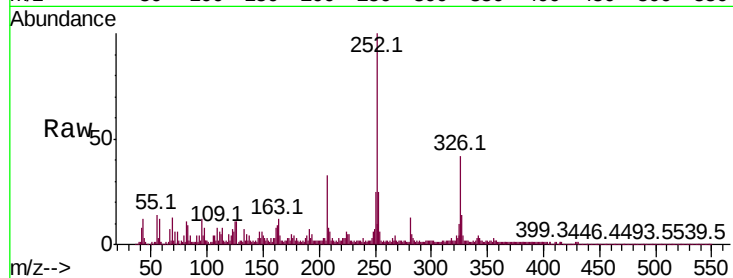
Tot Ion:252 Resp: 1190729

Ion Ratio Lower Upper

252 100

253 24.8 17.2 25.8

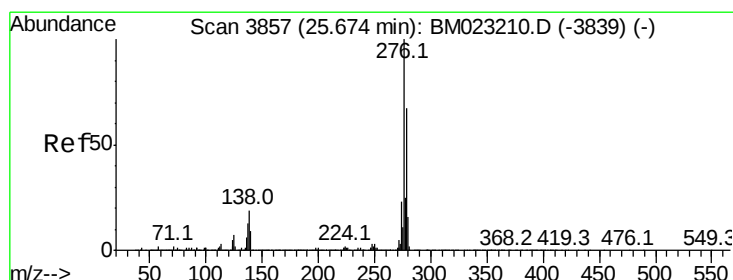
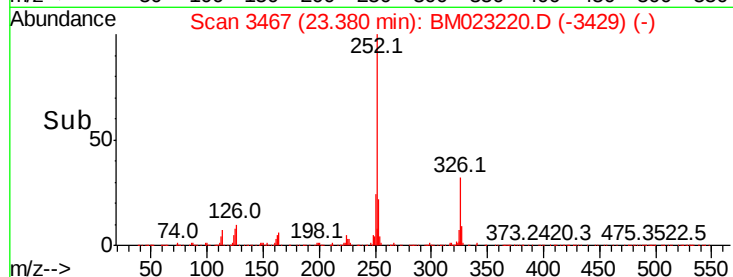
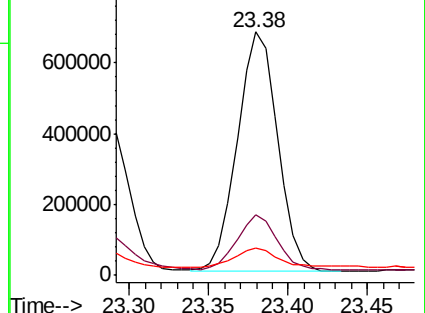
125 11.3 7.4 11.0#



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: 3.788 ng/ul

RT: 25.71 min Scan# 3863

Delta R.T. 0.04 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

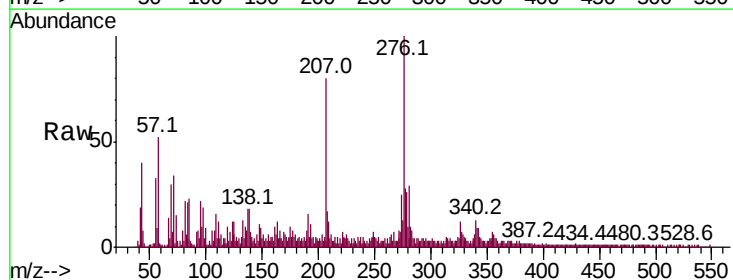
Tgt Ion:276 Resp: 810280

Ion Ratio Lower Upper

276 100

138 17.7 14.9 22.3

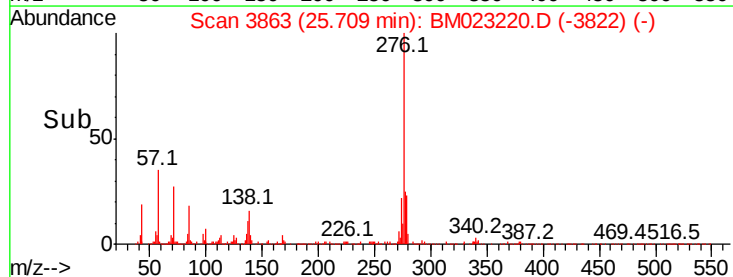
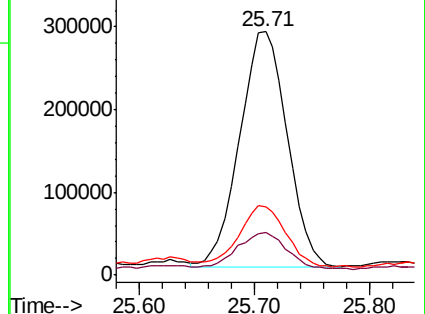
277 28.3 19.8 29.8

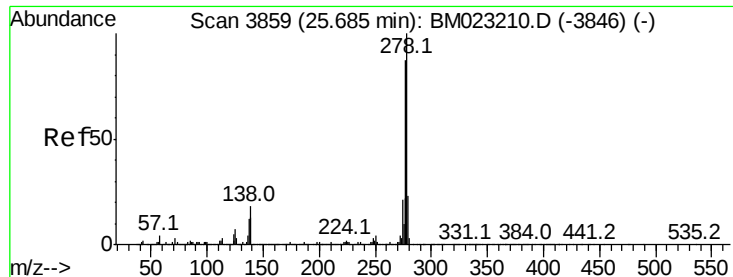


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.266 ng/ul

RT: 25.71 min Scan# 3864

Delta R.T. 0.03 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

Instrument :

BNA_M

ClientSampleId :

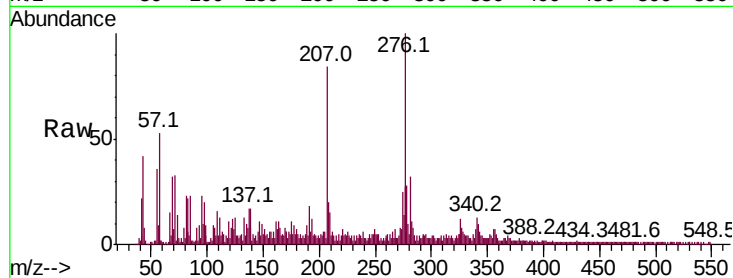
Tot Ion:278 Resp: 226338

Ion Ratio Lower Upper

278 100

139 28.8 10.0 15.0#

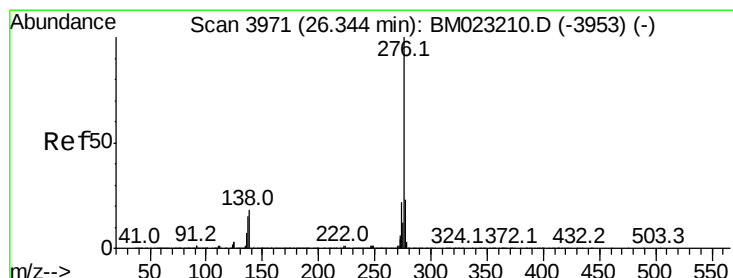
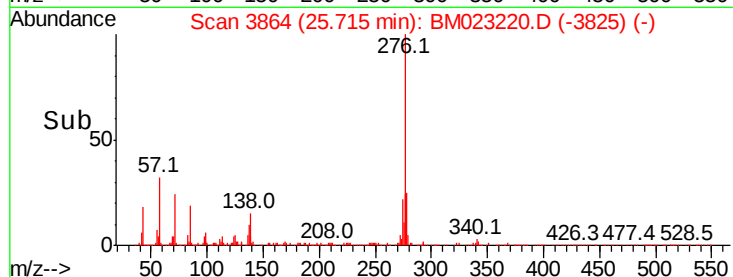
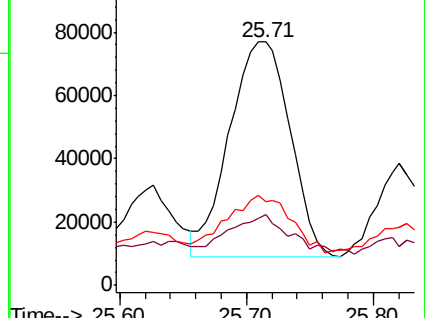
279 34.3 19.4 29.0#



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



#94

Benzo(g,h,i)perylene

Concen: 3.415 ng/ul

RT: 26.39 min Scan# 3978

Delta R.T. 0.05 min

Lab File: BM023220.D

Acq: 17 Oct 2019 14:02

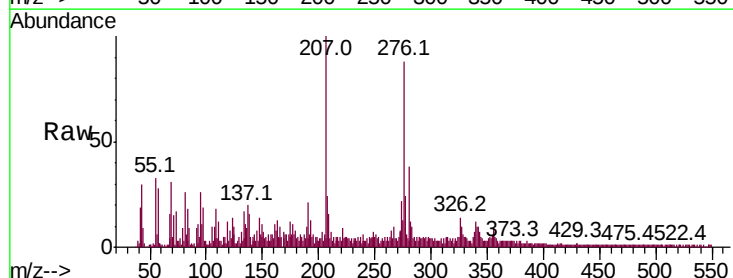
Tgt Ion:276 Resp: 601354

Ion Ratio Lower Upper

276 100

138 18.0 14.4 21.6

277 27.2 19.4 29.2



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

