

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026965.D
 Acq On : 31 Jul 2020 19:18
 Operator : JU/CG
 Sample : L3424-10 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 00:47:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 00:45:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	108088	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	419893	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	261645	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	537480	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	532701	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	526334	20.00	ng/ul	0.00

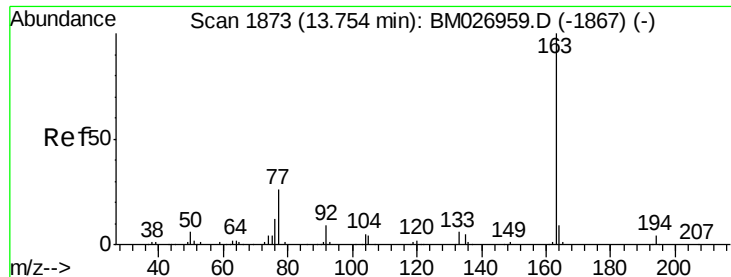
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1676	0.71	ng/uL	0.00
5) Phenol-d5	6.84	99	35928	3.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	23959	3.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	26751	3.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	27360	3.76	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	12848	3.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	12763	4.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	27994	3.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	19925	2.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	79491	3.87	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	101536	3.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	10672	3.08	ng/ul	0.00
58) Fluorene-d10	15.29	176	69286	3.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	7721	3.22	ng/ul	0.00
71) Anthracene-d10	17.13	188	105686	3.93	ng/ul	0.00
79) Pyrene-d10	19.43	212	110589	3.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	110941	3.74	ng/ul	0.00

Target Compounds

					Ovalue	
45) Dimethylphthalate	13.75	163	30071	1.397	ng/ul	99
48) Acenaphthylene	14.01	152	194785	7.343	ng/ul	99
70) Phenanthrene	17.08	178	376820	11.550	ng/ul	100
72) Anthracene	17.17	178	300436	8.959	ng/ul	98
75) Carbazole	17.43	167	76579	2.583	ng/ul#	96
77) Fluoranthene	19.10	202	3091514	80.253	ng/ul	100
80) Pyrene	19.46	202	2838913	73.250	ng/ul	98
83) Benzo(a)anthracene	21.21	228	1214963	33.090	ng/ul	94
85) Chrysene	21.27	228	1605762	44.846	ng/ul	98
88) Benzo(b)fluoranthene	22.79	252	2575686	68.408	ng/ul	99
89) Benzo(k)fluoranthene	22.79	252	2575686	71.289	ng/ul	99
91) Benzo(a)pyrene	23.34	252	888353	26.147	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.65	276	874546	20.749	ng/ul	95
93) Dibenzo(a,h)anthracene	25.65	278	240647	6.751	ng/ul#	86
94) Benzo(g,h,i)perylene	26.32	276	322082	9.241	ng/ul	99

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



#45

Dimethylphthalate

Concen: 1.397 ng/ul

RT: 13.75 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM026965.D

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Instrument :

BNA_M

ClientSampleId :

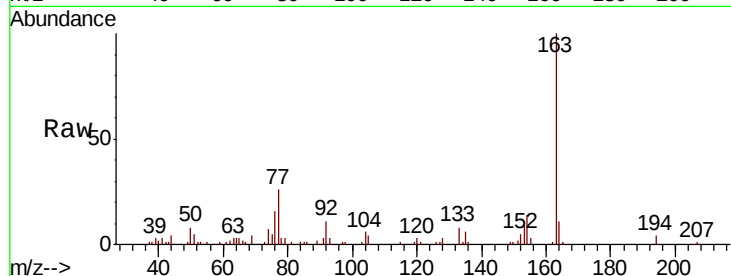
Tot Ion:163 Resp: 30071

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

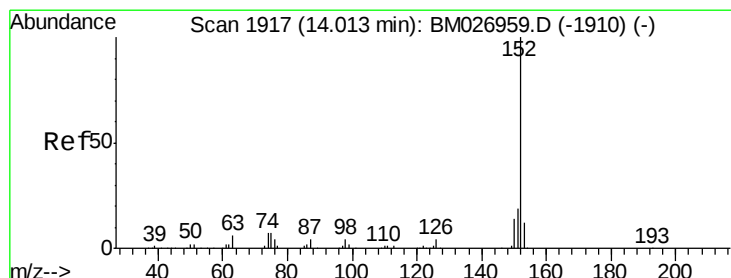
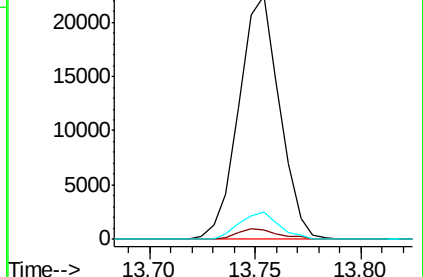
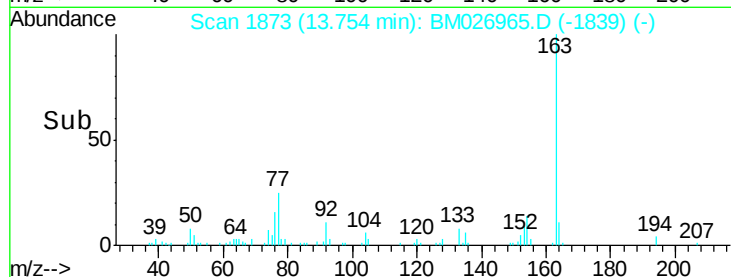
164 11.3 8.6 12.8



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: 7.343 ng/ul

RT: 14.01 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM026965.D

Acq: 31 Jul 2020 19:18

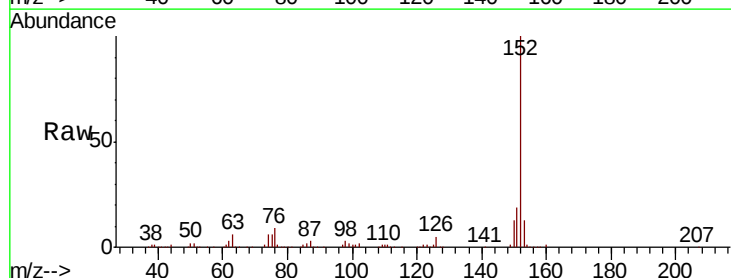
Tgt Ion:152 Resp: 194785

Ion Ratio Lower Upper

152 100

151 19.1 15.8 23.6

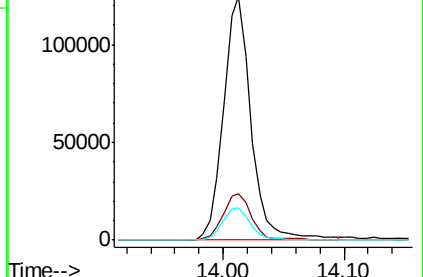
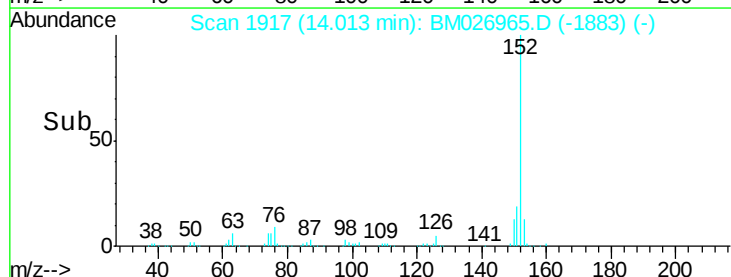
153 13.3 10.7 16.1

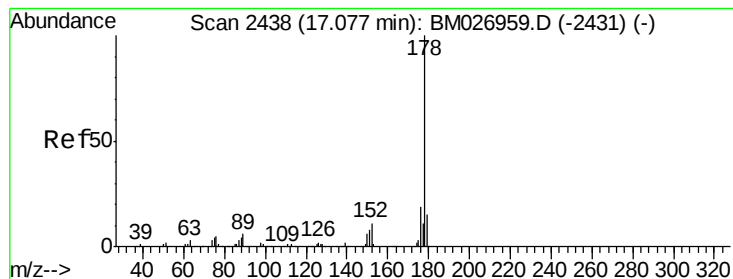


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#70

Phenanthrene

Concen: 11.550 ng/ul

RT: 17.08 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM026965.D

Acq: 31 Jul 2020 19:18

Instrument :

BNA_M

ClientSampleId :

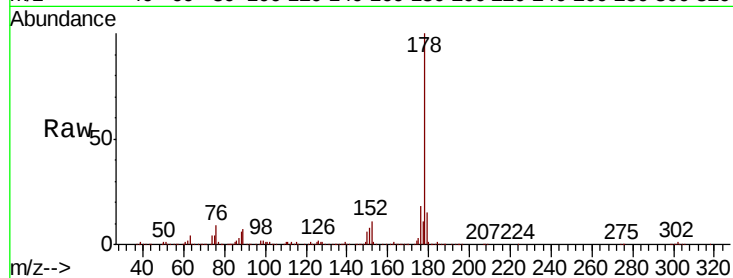
Tot Ion:178 Resp: 376820

Ion Ratio Lower Upper

178 100

179 15.4 12.0 18.0

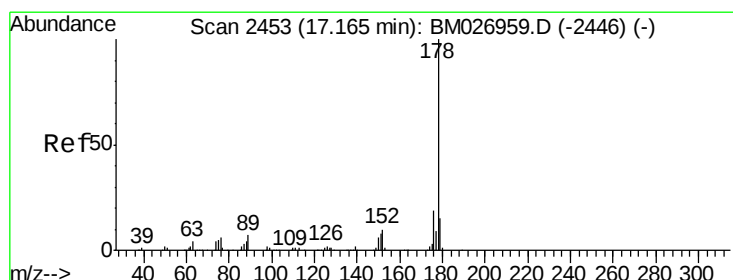
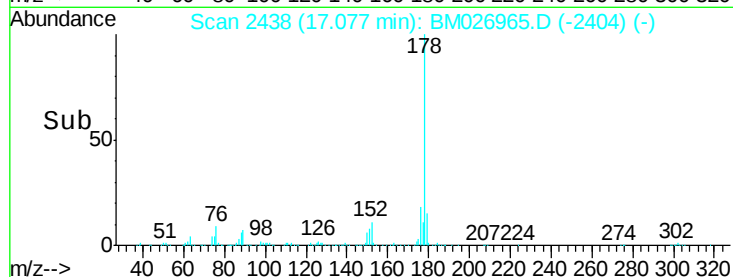
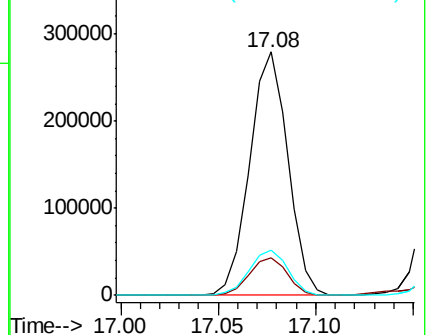
176 18.4 14.7 22.1



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



#72

Anthracene

Concen: 8.959 ng/ul

RT: 17.17 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM026965.D

Acq: 31 Jul 2020 19:18

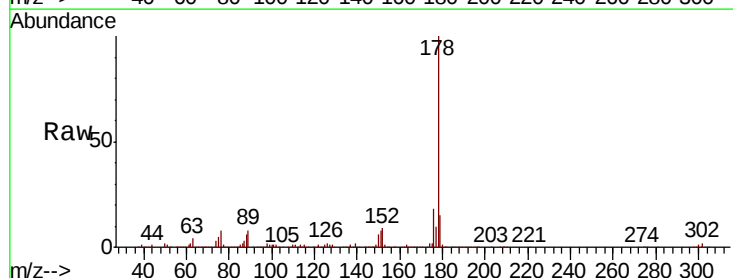
Tgt Ion:178 Resp: 300436

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.6

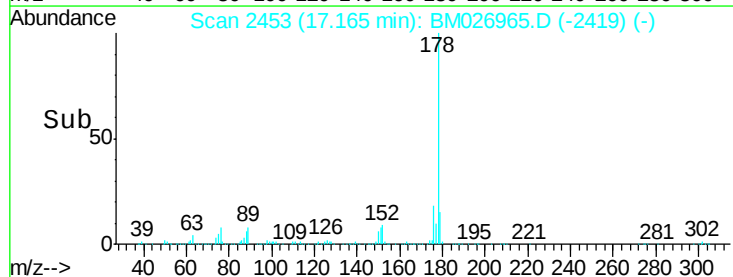
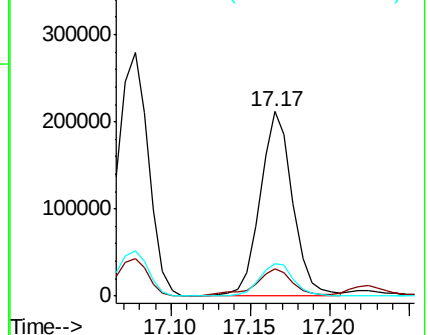
176 17.5 15.0 22.6

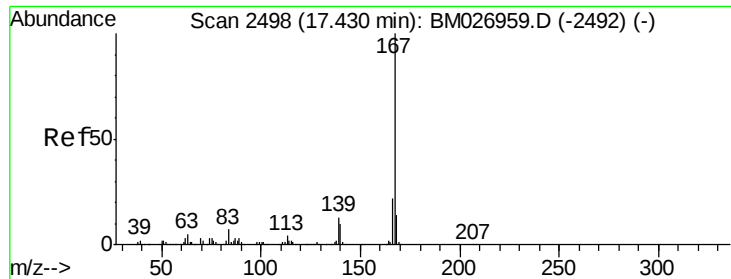


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

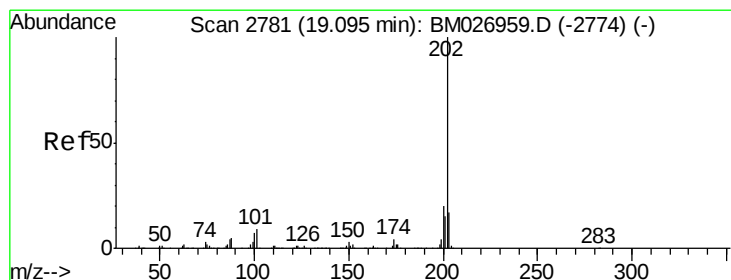
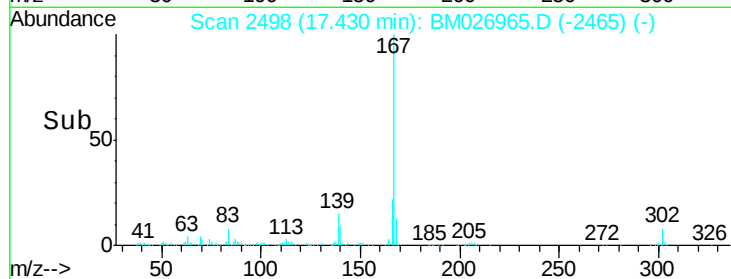
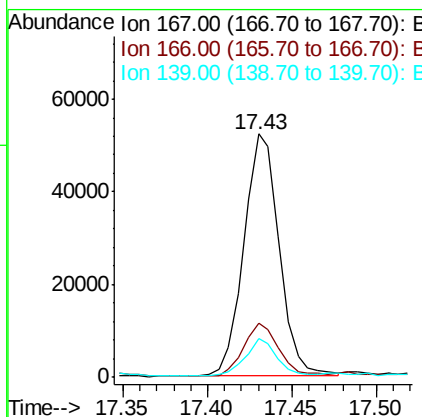
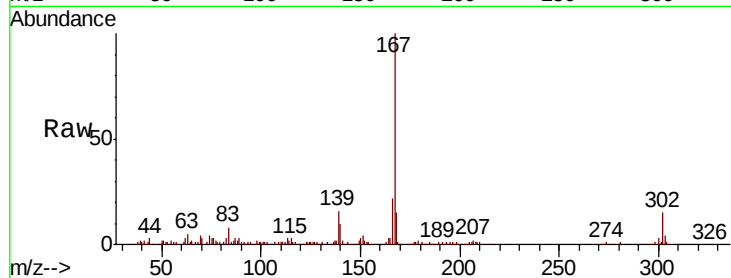




#75
 Carbazole
 Concen: 2.583 ng/ul
 RT: 17.43 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BM026965.D
 Acq: 31 Jul 2020 19:18

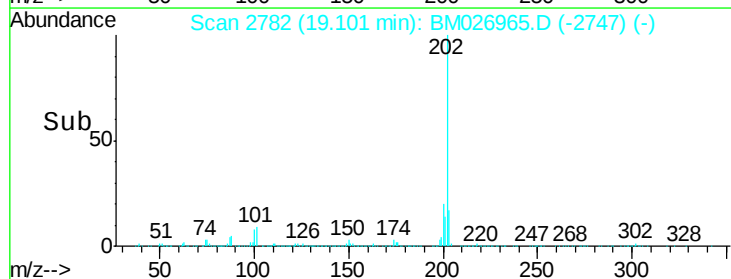
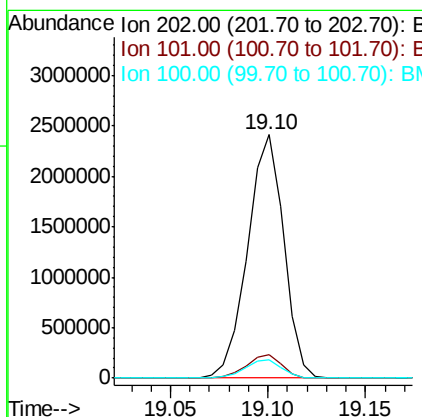
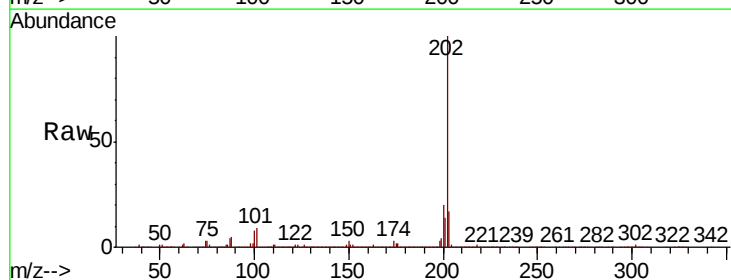
Instrument :
 BNA_M
 ClientSampleId :

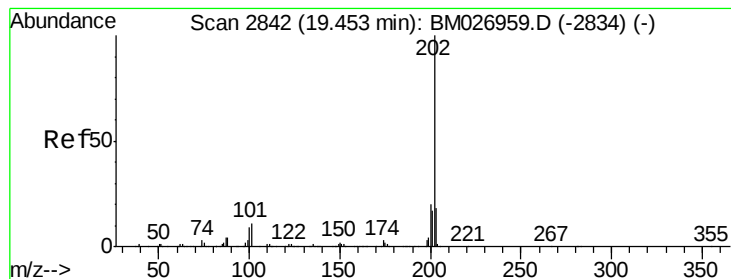
Tot Ion:167 Resp: 76579
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.1 25.7
 139 15.9 10.1 15.1#



#77
 Fluoranthene
 Concen: 80.253 ng/ul
 RT: 19.10 min Scan# 2782
 Delta R.T. 0.01 min
 Lab File: BM026965.D
 Acq: 31 Jul 2020 19:18

Tgt Ion:202 Resp: 3091514
 Ion Ratio Lower Upper
 202 100
 101 9.5 7.7 11.5
 100 7.6 6.2 9.4





#80

Pvrene

Concen: 73.250 ng/ul

RT: 19.46 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BM026965.D

Acq: 31 Jul 2020 19:18

Instrument :

BNA_M

ClientSampled :

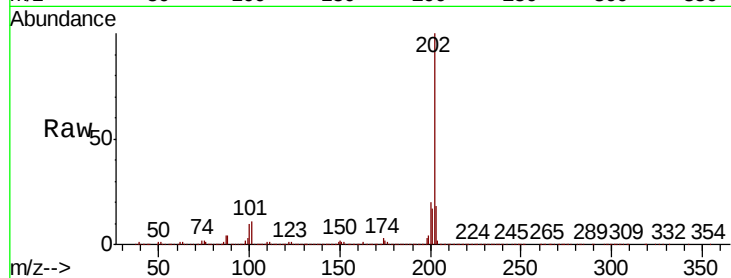
Tot Ion:202 Resp: 2838913

Ion Ratio Lower Upper

202 100

101 11.3 9.4 14.2

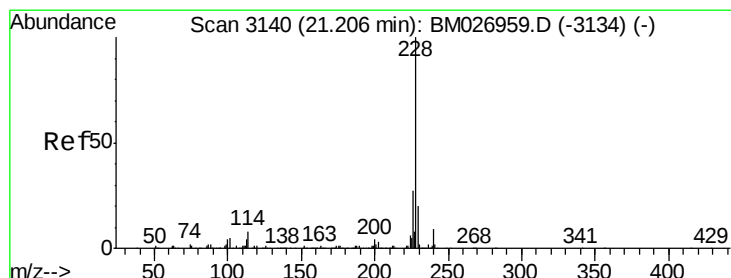
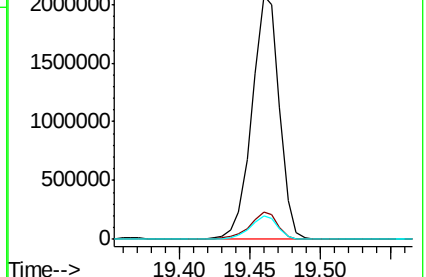
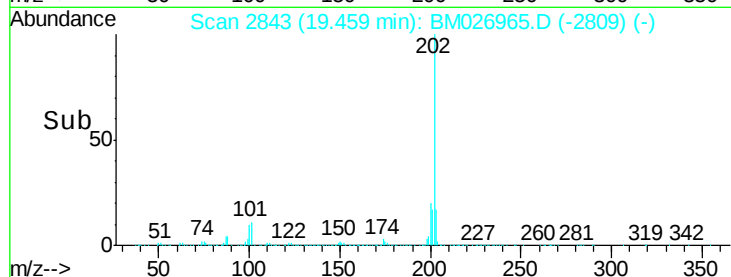
100 9.5 8.2 12.4



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



#83

Benzo(a)anthracene

Concen: 33.090 ng/ul

RT: 21.21 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BM026965.D

Acq: 31 Jul 2020 19:18

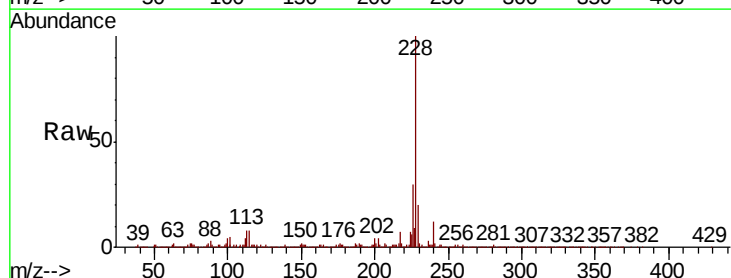
Tgt Ion:228 Resp: 1214963

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.2

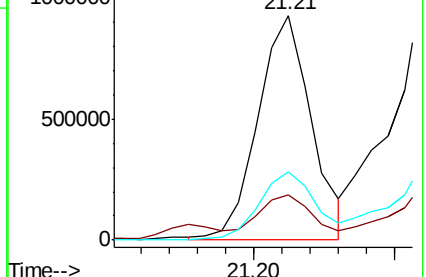
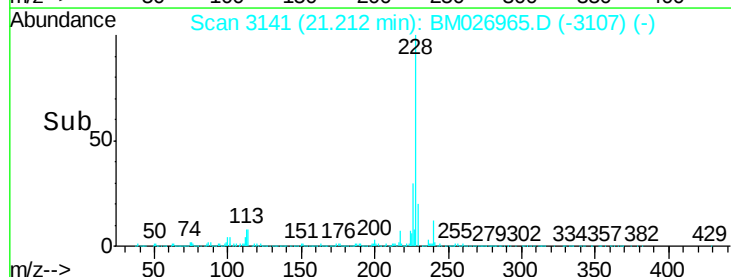
226 30.5 20.9 31.3

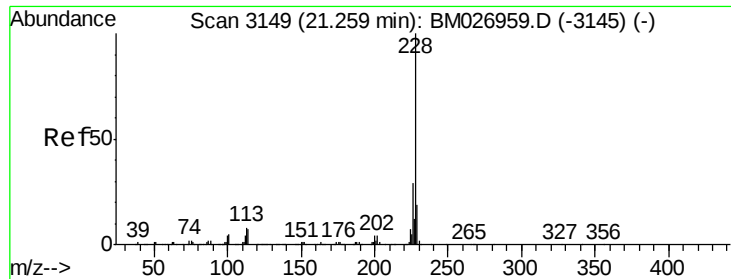


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 44.846 ng/ul

RT: 21.27 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BM026965.D

Acq: 31 Jul 2020 19:18

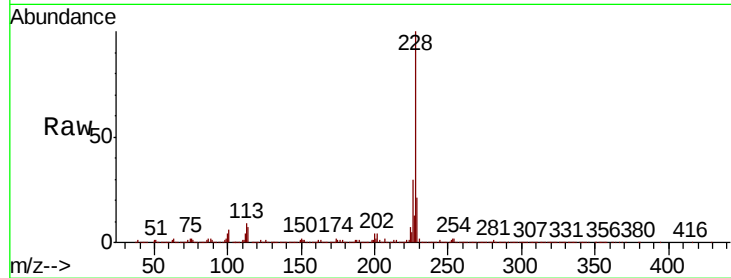
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1605762

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	21.1	15.5	23.3

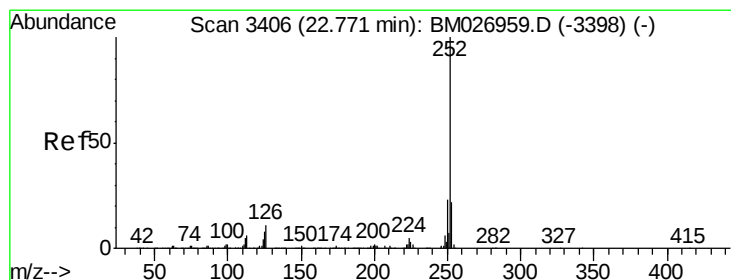
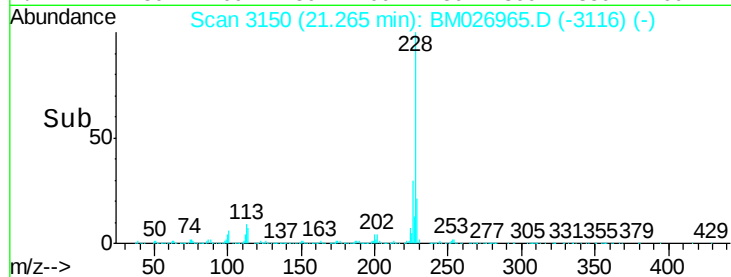
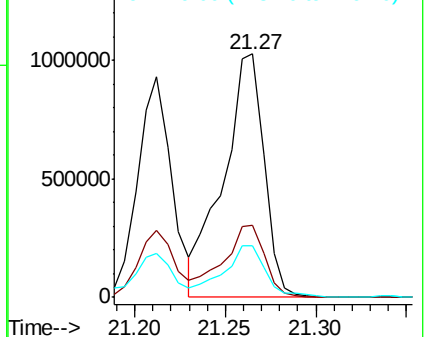


Abundance

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: 68.408 ng/ul

RT: 22.79 min Scan# 3409

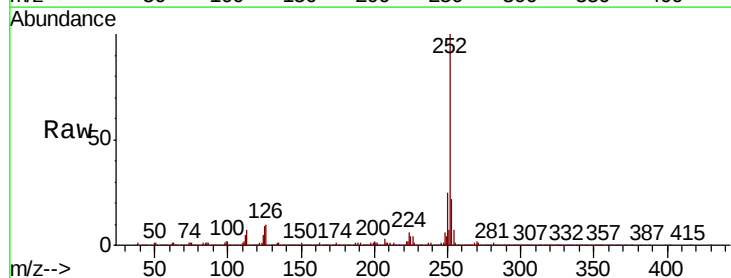
Delta R.T. 0.01 min

Lab File: BM026965.D

Acq: 31 Jul 2020 19:18

Tgt Ion:252 Resp: 2575686

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	9.0	6.6	10.0

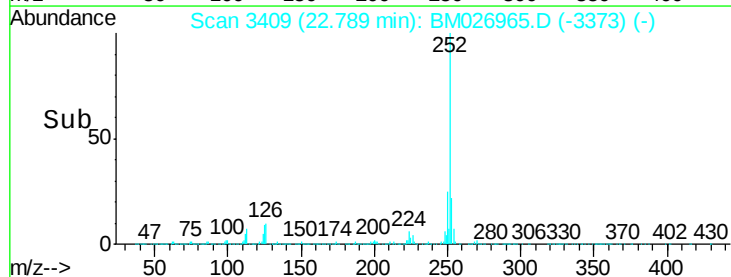
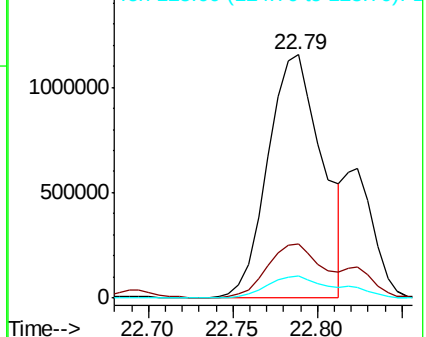


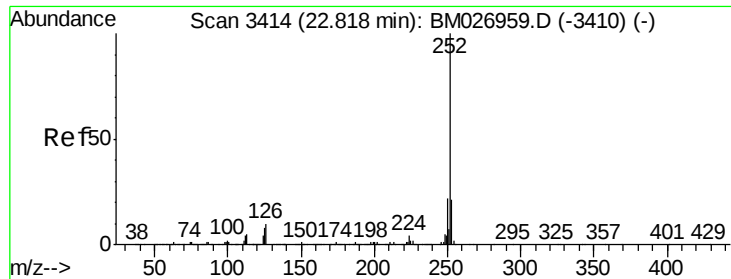
Abundance

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

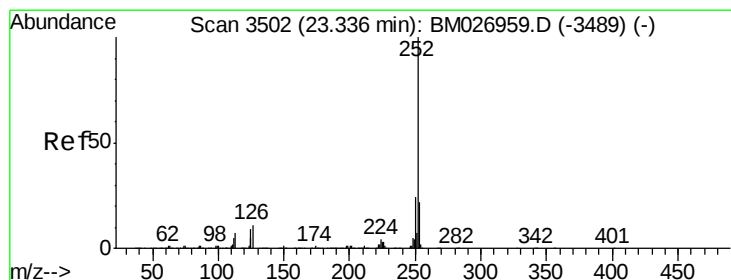
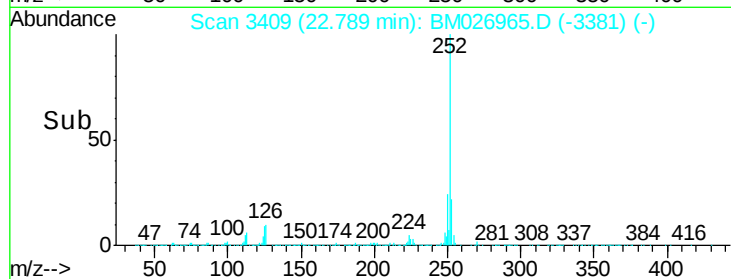
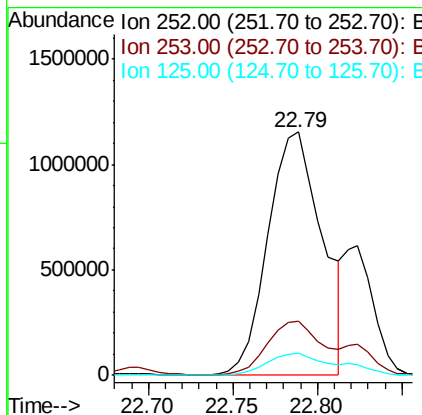
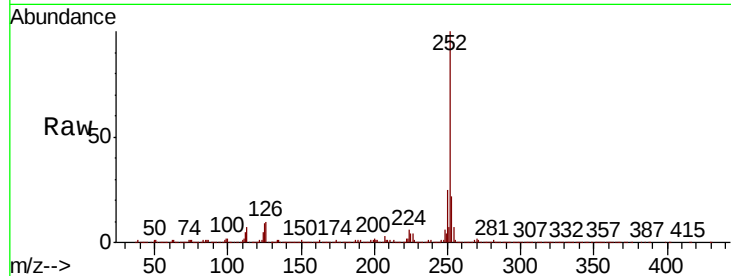




#89
Benzo(k)fluoranthene
Concen: 71.289 ng/ul
RT: 22.79 min Scan# 3409
Delta R.T. -0.04 min
Lab File: BM026965.D
Acq: 31 Jul 2020 19:18

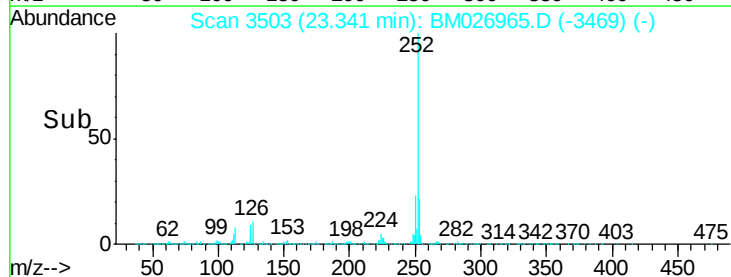
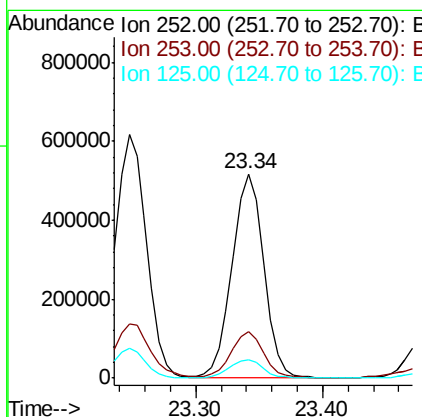
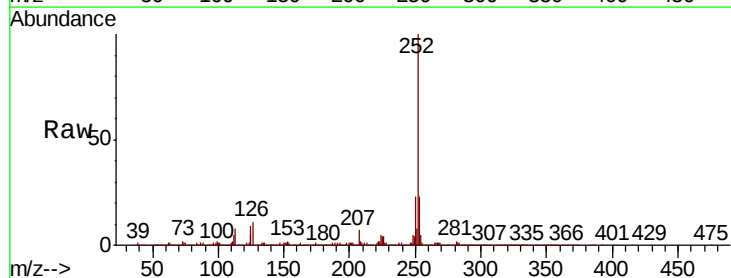
Instrument :
BNA_M
ClientSampleId :

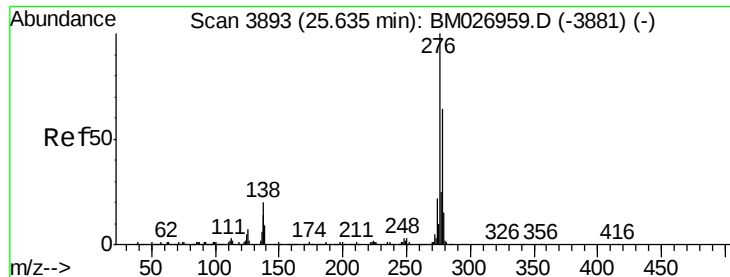
Tot Ion:252 Resp: 2575686
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.0 7.3 10.9



#91
Benzo(a)pyrene
Concen: 26.147 ng/ul
RT: 23.34 min Scan# 3503
Delta R.T. -0.00 min
Lab File: BM026965.D
Acq: 31 Jul 2020 19:18

Tgt Ion:252 Resp: 888353
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 8.9 8.2 12.2



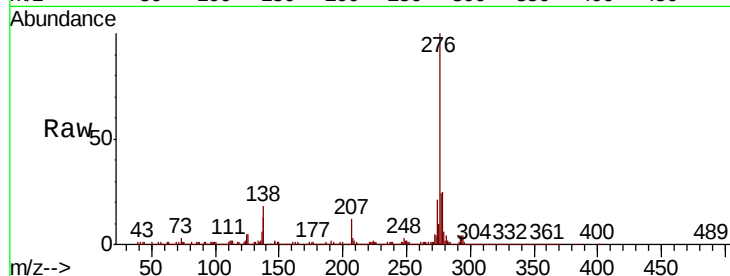


#92

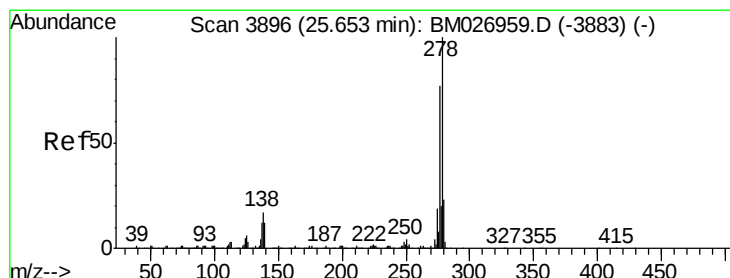
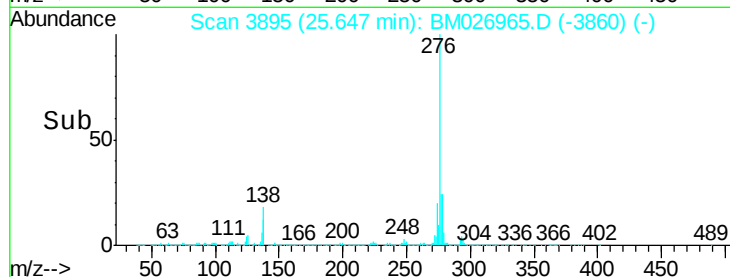
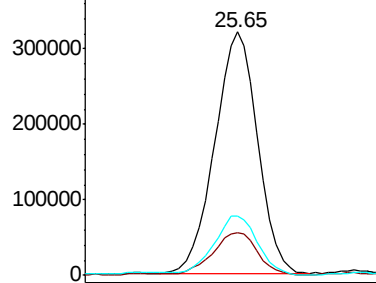
Indeno(1,2,3-cd)pyrene
Concen: 20.749 ng/ul
RT: 25.65 min Scan# 3895
Delta R.T. 0.01 min
Lab File: BM026965.D
Acq: 31 Jul 2020 19:18

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	17.0	25.4
277	24.4	20.6	30.8



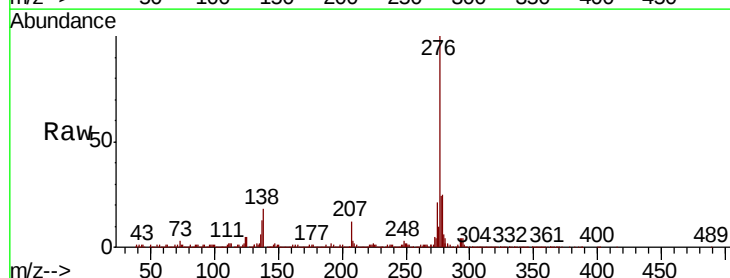
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



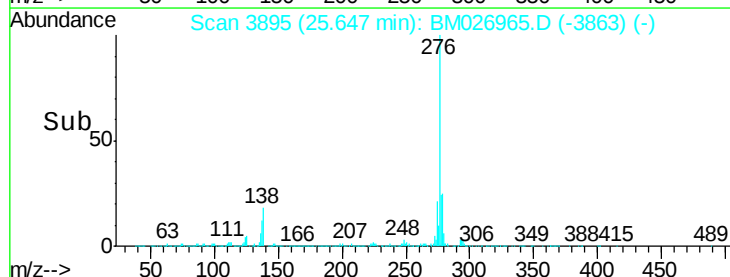
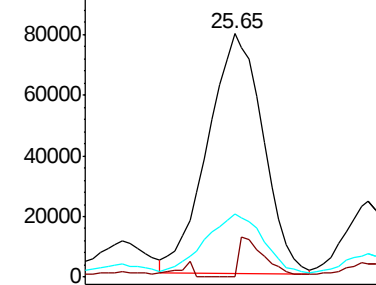
#93

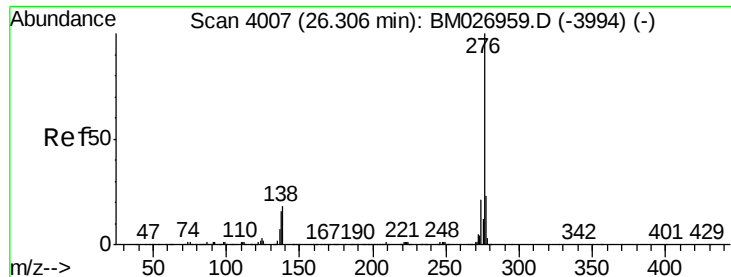
Dibenzo(a,h)anthracene
Concen: 6.751 ng/ul
RT: 25.65 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BM026965.D
Acq: 31 Jul 2020 19:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.9	16.3#
279	25.9	19.4	29.2



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(a,h,i)perylene

Concen: 9.241 ng/ul

RT: 26.32 min Scan# 4009

Delta R.T. -0.00 min

Lab File: BM026965.D

Acq: 31 Jul 2020 19:18

Instrument :

BNA_M

ClientSampleId :

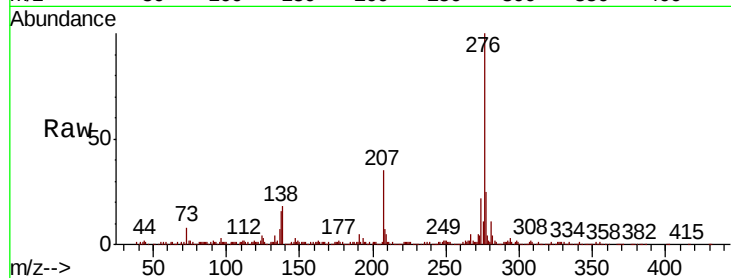
Tot Ion:276 Resp: 322082

Ion Ratio Lower Upper

276 100

138 18.2 14.9 22.3

277 24.8 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

150000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

