

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025250.D
 Acq On : 03 May 2023 21:30
 Operator : CG/JU
 Sample : 02447-22
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW940

Quant Time: May 04 04:31:24 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 15:28:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

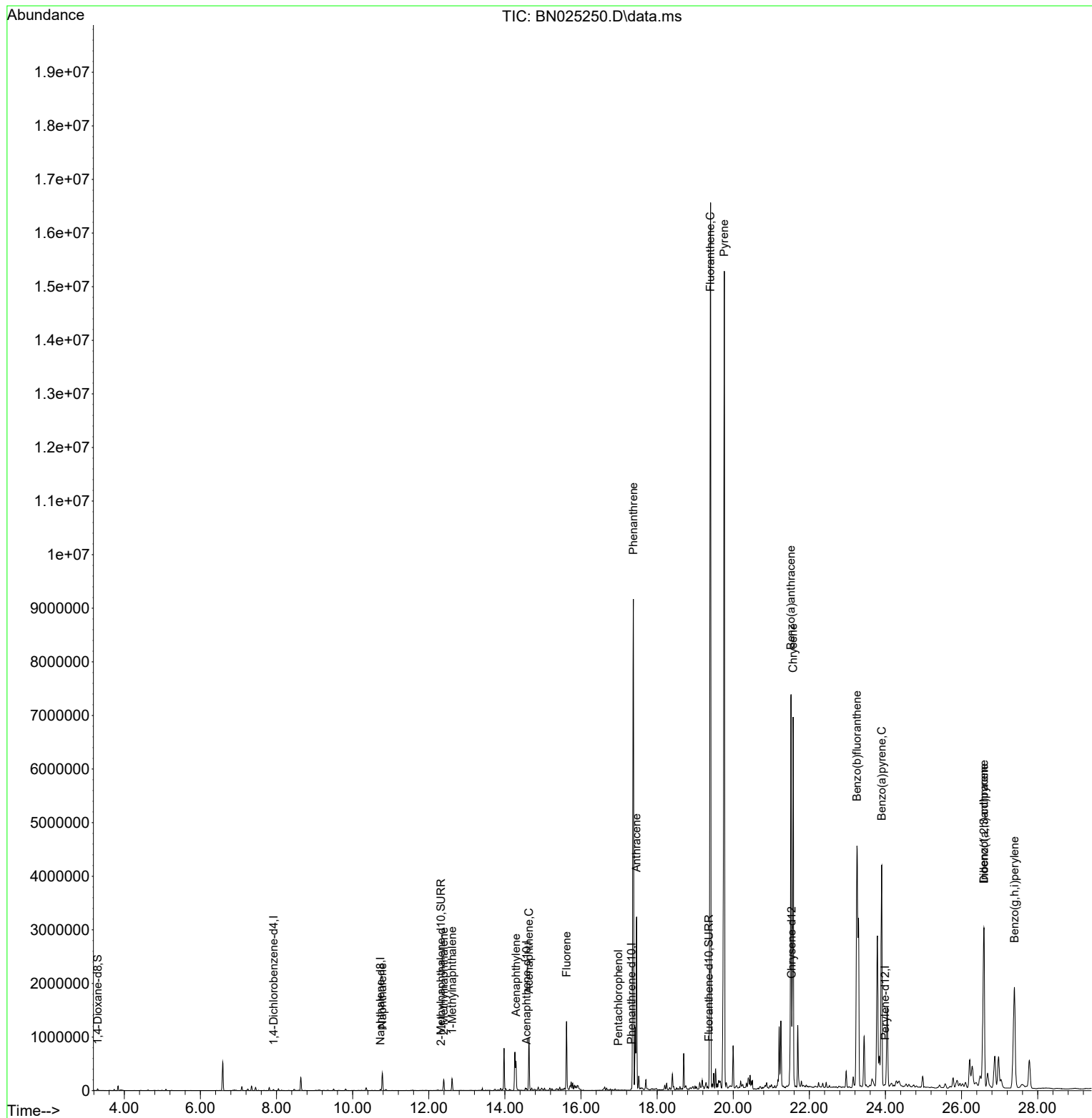
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	8900	0.400	ng/ul	0.00
4) Naphthalene-d8	10.730	136	27967	0.400	ng/ul	# 0.01
9) Acenaphthene-d10	14.570	164	18187	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.325	188	35236	0.400	ng/ul	# 0.02
17) Chrysene-d12	21.537	240	20577	0.400	ng/ul	# 0.03
23) Perylene-d12	23.989	264	37659	0.400	ng/ul	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	18480	2.005	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.320	152	6344	0.177	ng/ul	0.01
18) Fluoranthene-d10	19.358	212	13464	0.248	ng/ul	0.02
Target Compounds						Qvalue
5) Naphthalene	10.780	128	434840	6.068	ng/ul	99
7) 2-Methylnaphthalene	12.391	142	140026	3.190	ng/ul	99
8) 1-Methylnaphthalene	12.611	142	145816	3.117	ng/ul	100
10) Acenaphthylene	14.292	152	661164	9.759	ng/ul	99
11) Acenaphthene	14.630	153	568150	9.948	ng/ul	98
12) Fluorene	15.620	166	793743	12.432	ng/ul	99
14) Pentachlorophenol	16.983	266	149	0.022	ng/ul#	77
15) Phenanthrene	17.376	178	11182364	112.433	ng/ul	98
16) Anthracene	17.460	178	3332480	40.958	ng/ul	99
19) Fluoranthene	19.400	202	16238389	218.228	ng/ul#	88
20) Pyrene	19.762	202	14523252	189.965	ng/ul#	91
21) Benzo(a)anthracene	21.519	228	7191583	115.982	ng/ul	96
22) Chrysene	21.575	228	7160554	105.862	ng/ul	96
24) Benzo(b)fluoranthene	23.252	252	12330973	80.707	ng/ul	96
26) Benzo(a)pyrene	23.901	252	6302479	49.856	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.587	276	4787594	32.870	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.590	278	1207123	10.610	ng/ul	97
29) Benzo(g,h,i)perylene	27.388	276	4263685	34.427	ng/ul	99

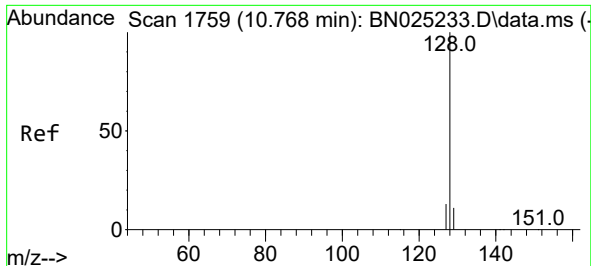
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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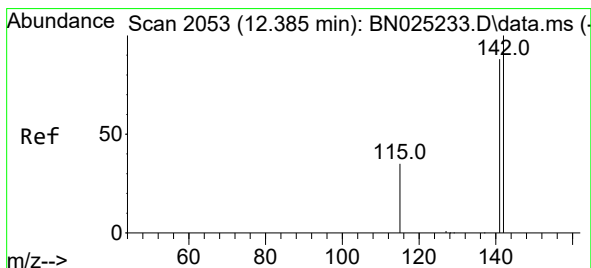
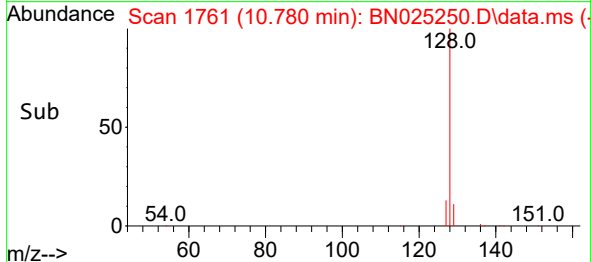
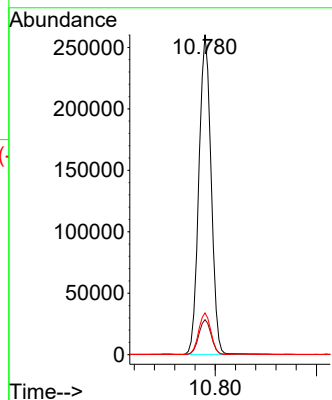
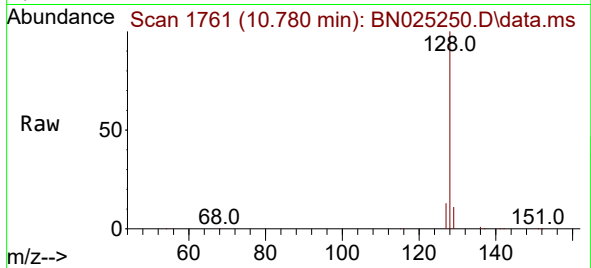




#5
Naphthalene
Concen: 6.068 ng/ul
RT: 10.780 min Scan# 1761
Delta R.T. 0.011 min
Lab File: BN025250.D
Acq: 03 May 2023 21:30

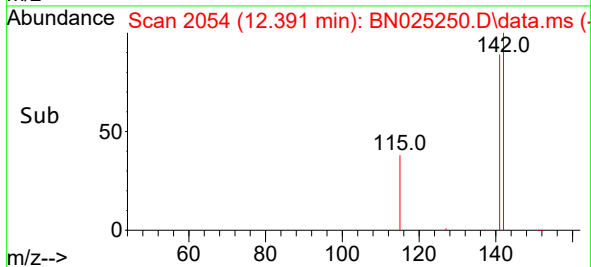
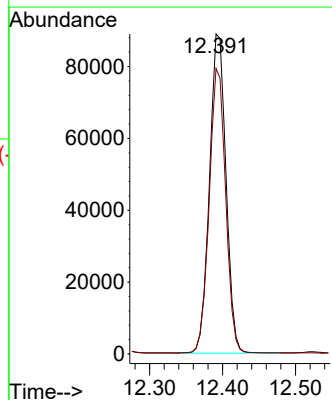
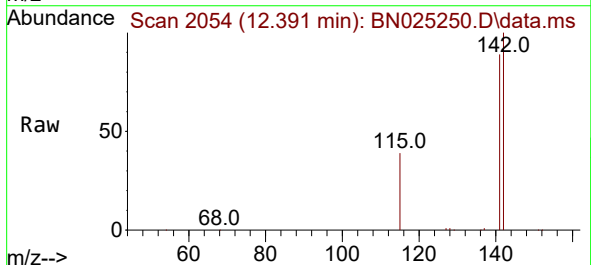
Instrument :
BNA_N
ClientSampleId :
EW940

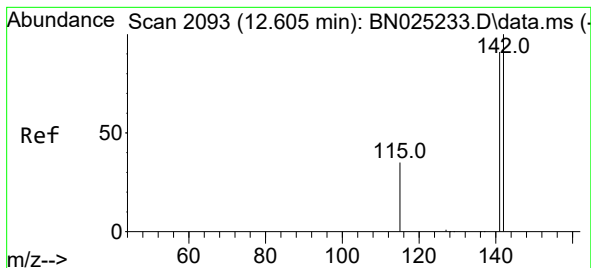
Tgt Ion:128 Resp: 434840
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.1 10.7 16.1



#7
2-Methylnaphthalene
Concen: 3.190 ng/ul
RT: 12.391 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BN025250.D
Acq: 03 May 2023 21:30

Tgt Ion:142 Resp: 140026
Ion Ratio Lower Upper
142 100
141 88.6 71.4 107.0





#8

1-Methylnaphthalene

Concen: 3.117 ng/ul

RT: 12.611 min Scan# 2094

Delta R.T. 0.006 min

Lab File: BN025250.D

Acq: 03 May 2023 21:30

Instrument :

BNA_N

ClientSampleId :

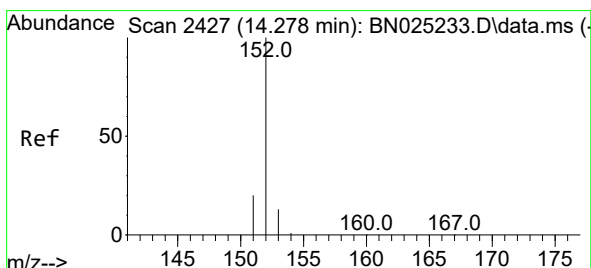
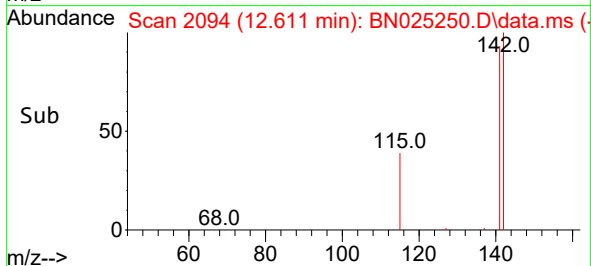
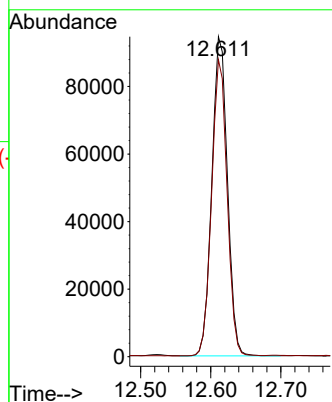
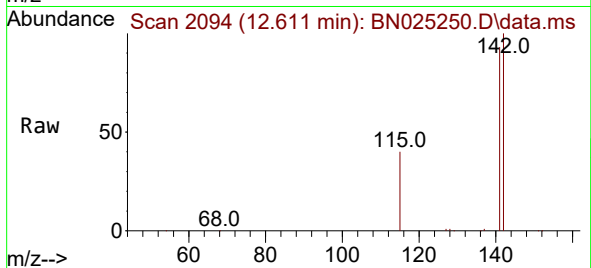
EW940

Tgt Ion:142 Resp: 145816

Ion Ratio Lower Upper

142 100

141 92.2 73.8 110.6



#10

Acenaphthylene

Concen: 9.759 ng/ul

RT: 14.292 min Scan# 2430

Delta R.T. 0.014 min

Lab File: BN025250.D

Acq: 03 May 2023 21:30

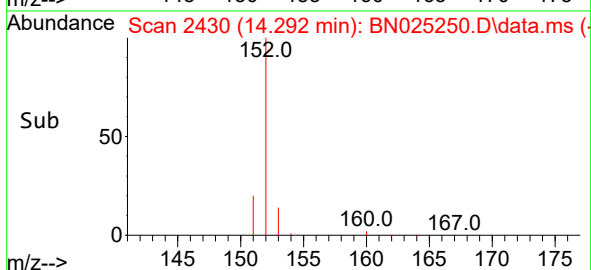
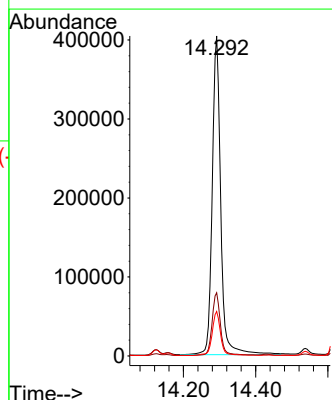
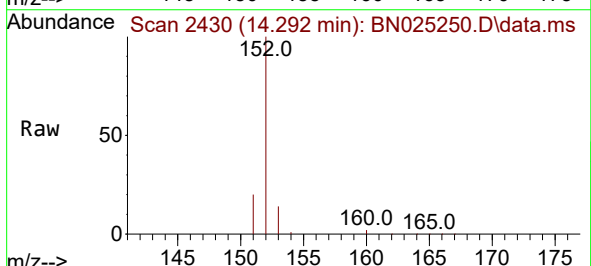
Tgt Ion:152 Resp: 661164

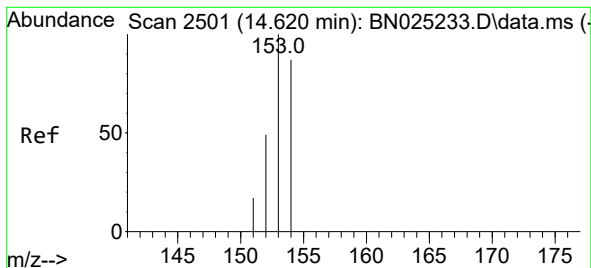
Ion Ratio Lower Upper

152 100

151 19.7 16.0 24.0

153 13.9 10.8 16.2





#11

Acenaphthene

Concen: 9.948 ng/ul

RT: 14.630 min Scan# 21

Delta R.T. 0.010 min

Lab File: BN025250.D

Acq: 03 May 2023 21:30

Instrument :

BNA_N

ClientSampleId :

EW940

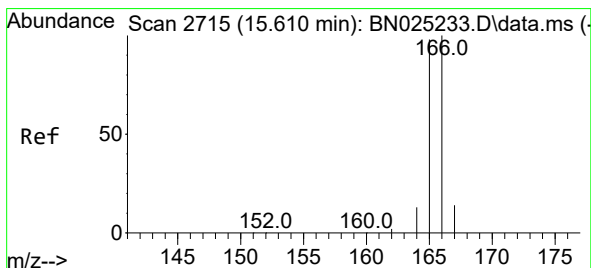
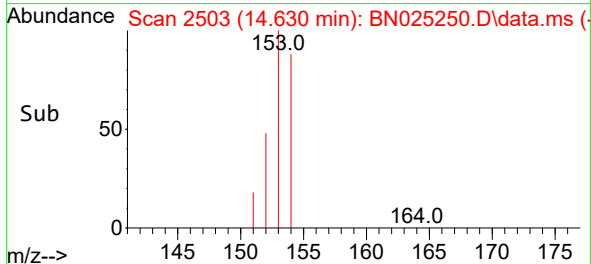
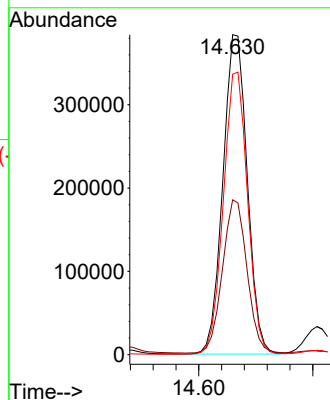
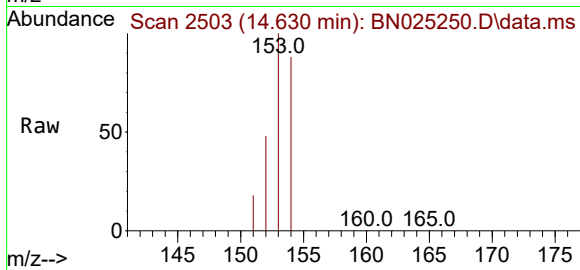
Tgt Ion:153 Resp: 568150

Ion Ratio Lower Upper

153 100

152 48.4 40.2 60.4

154 87.7 69.4 104.2



#12

Fluorene

Concen: 12.432 ng/ul

RT: 15.620 min Scan# 2717

Delta R.T. 0.010 min

Lab File: BN025250.D

Acq: 03 May 2023 21:30

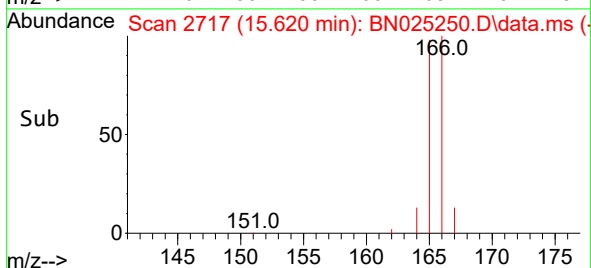
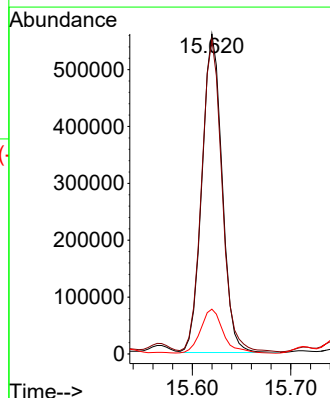
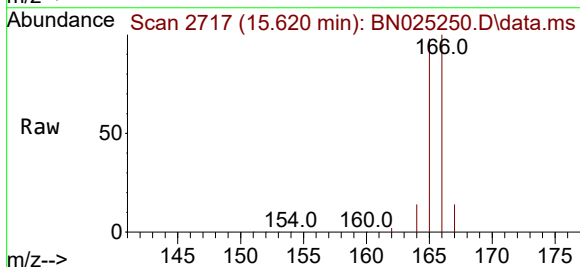
Tgt Ion:166 Resp: 793743

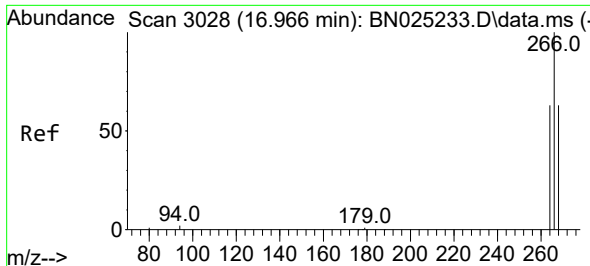
Ion Ratio Lower Upper

166 100

165 98.2 78.1 117.1

167 14.0 11.0 16.6

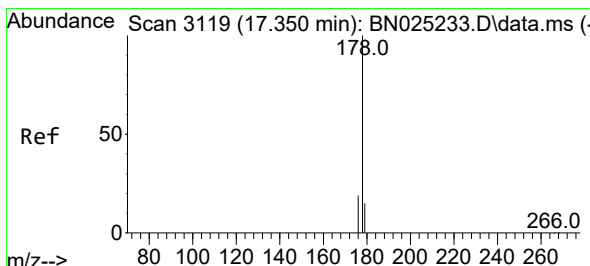
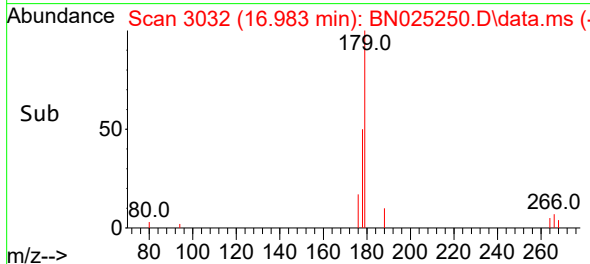
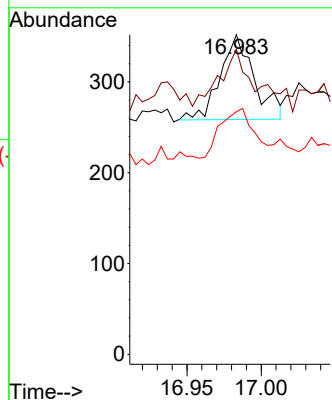
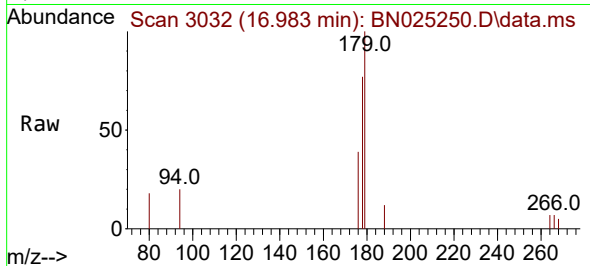




#14
 Pentachlorophenol
 Concen: 0.022 ng/ul
 RT: 16.983 min Scan# 3028
 Delta R.T. 0.017 min
 Lab File: BN025250.D
 Acq: 03 May 2023 21:30

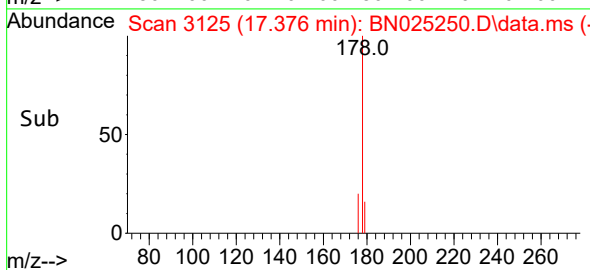
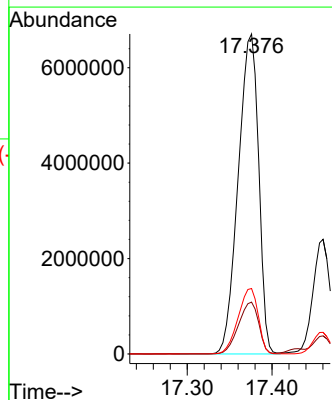
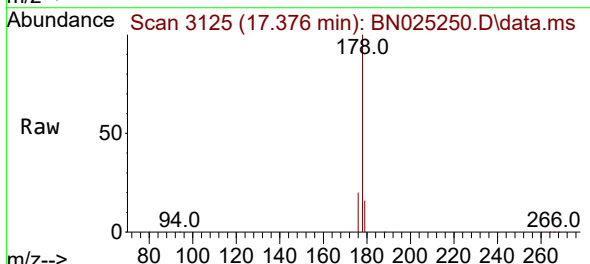
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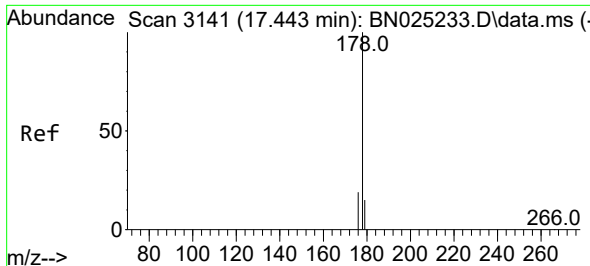
Tgt Ion:266 Resp: 149
 Ion Ratio Lower Upper
 266 100
 264 88.6 49.6 74.4#
 268 73.8 51.3 76.9



#15
 Phenanthrene
 Concen: 112.433 ng/ul
 RT: 17.376 min Scan# 3125
 Delta R.T. 0.026 min
 Lab File: BN025250.D
 Acq: 03 May 2023 21:30

Tgt Ion:178 Resp:11182364
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.5 18.7
 176 20.5 15.6 23.4

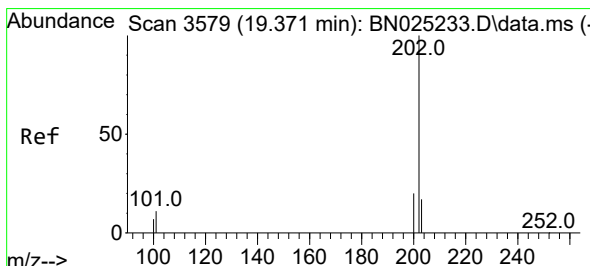
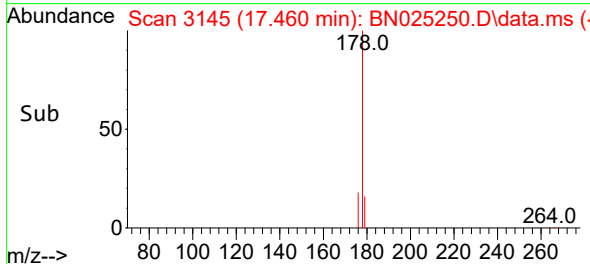
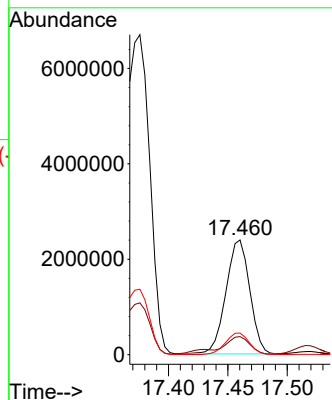
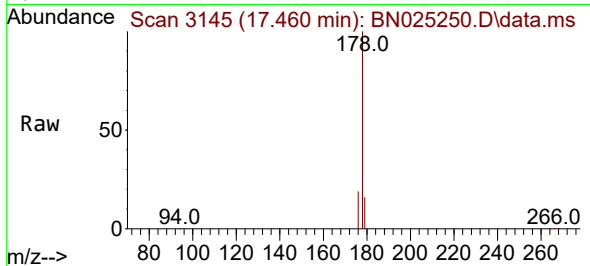




#16
 Anthracene
 Concen: 40.958 ng/ul
 RT: 17.460 min Scan# 3145
 Delta R.T. 0.017 min
 Lab File: BN025250.D
 Acq: 03 May 2023 21:30

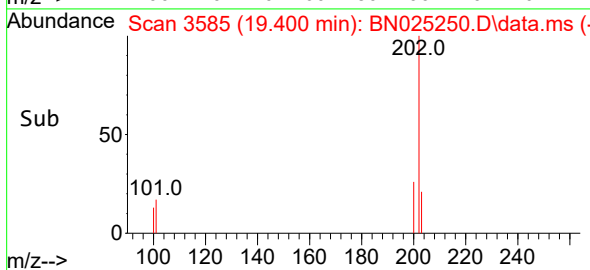
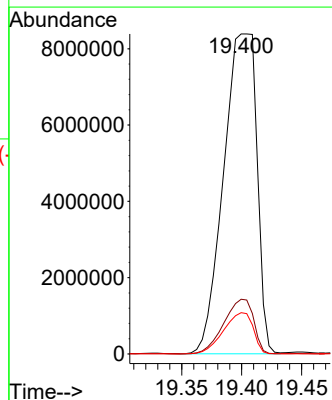
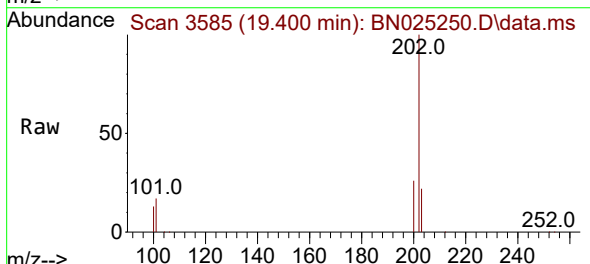
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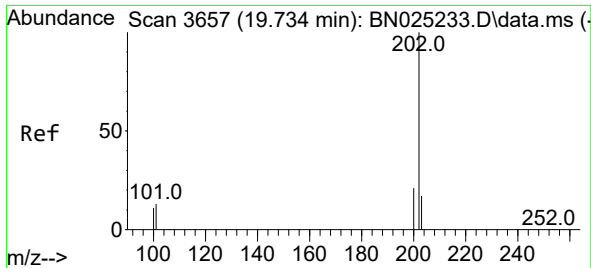
Tgt Ion:178 Resp: 3332480
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.7 19.1
 176 18.8 15.3 22.9



#19
 Fluoranthene
 Concen: 218.228 ng/ul
 RT: 19.400 min Scan# 3585
 Delta R.T. 0.028 min
 Lab File: BN025250.D
 Acq: 03 May 2023 21:30

Tgt Ion:202 Resp:16238389
 Ion Ratio Lower Upper
 202 100
 101 17.1 9.7 14.5#
 100 12.9 7.3 10.9#

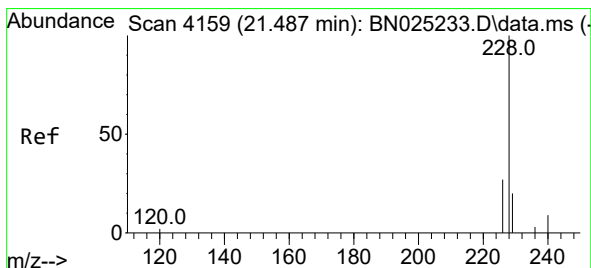
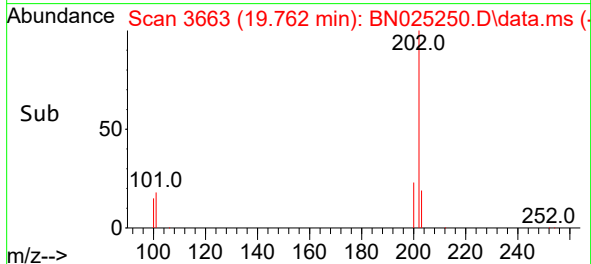
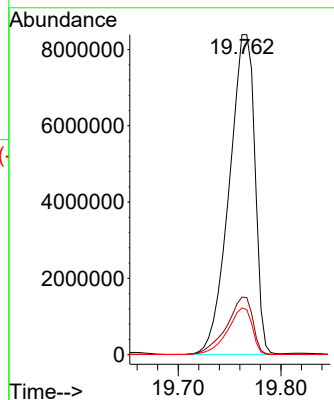
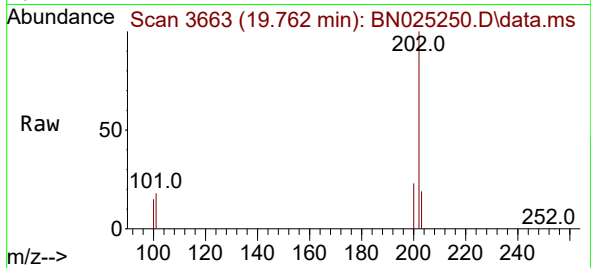




#20
Pyrene
Concen: 189.965 ng/ul
RT: 19.762 min Scan# 3663
Delta R.T. 0.028 min
Lab File: BN025250.D
Acq: 03 May 2023 21:30

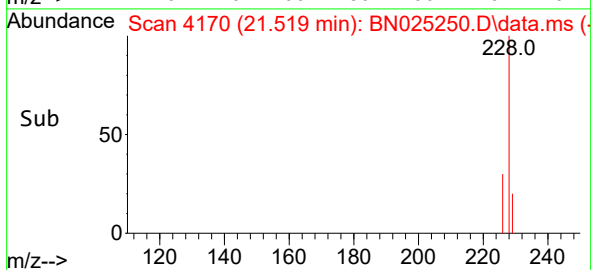
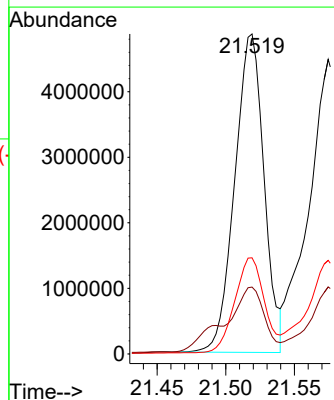
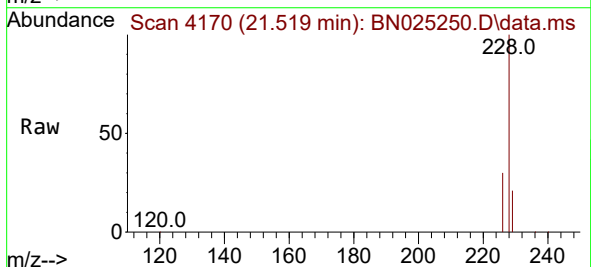
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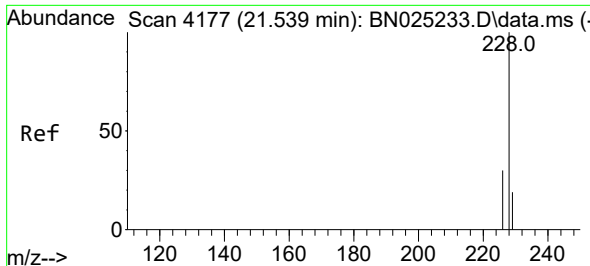
Tgt Ion:202 Resp:14523252
Ion Ratio Lower Upper
202 100
101 18.0 11.3 16.9#
100 14.6 9.2 13.8#



#21
Benzo(a)anthracene
Concen: 115.982 ng/ul
RT: 21.519 min Scan# 4170
Delta R.T. 0.032 min
Lab File: BN025250.D
Acq: 03 May 2023 21:30

Tgt Ion:228 Resp: 7191583
Ion Ratio Lower Upper
228 100
229 20.9 15.6 23.4
226 30.0 22.1 33.1





#22

Chrysene

Concen: 105.862 ng/ul

RT: 21.575 min Scan# 4189

Delta R.T. 0.035 min

Lab File: BN025250.D

Acq: 03 May 2023 21:30

Instrument :

BNA_N

ClientSampleId :

EW940

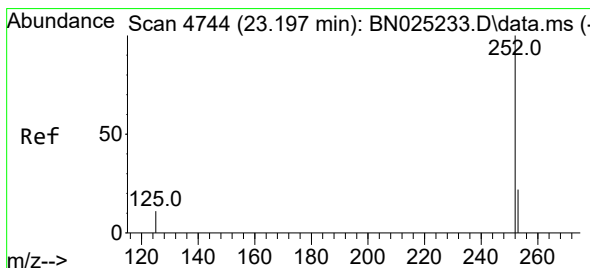
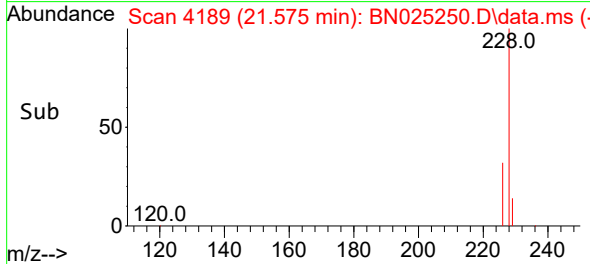
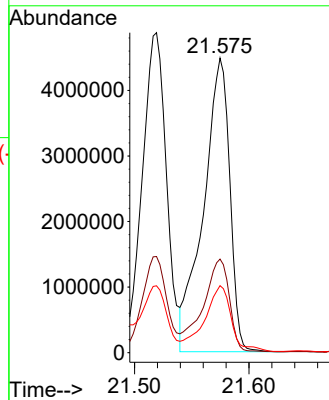
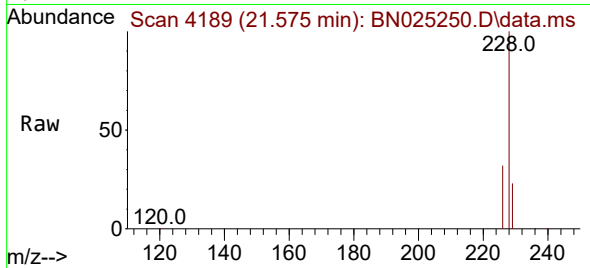
Tgt Ion:228 Resp: 7160554

Ion Ratio Lower Upper

228 100

226 31.8 24.5 36.7

229 22.8 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 80.707 ng/ul

RT: 23.252 min Scan# 4763

Delta R.T. 0.056 min

Lab File: BN025250.D

Acq: 03 May 2023 21:30

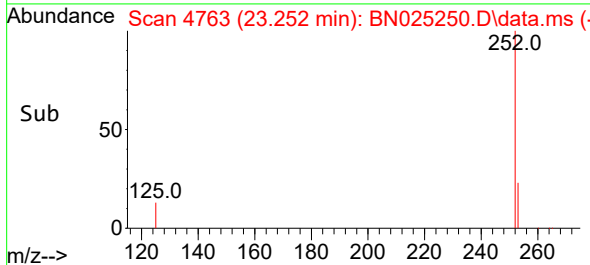
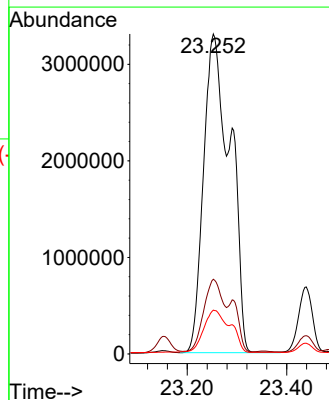
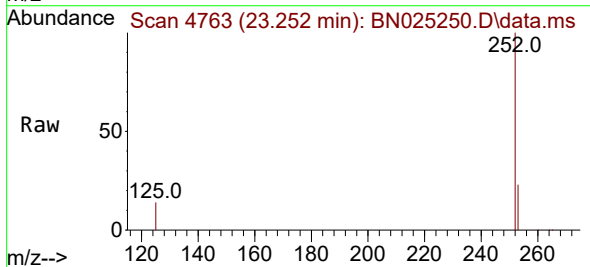
Tgt Ion:252 Resp:12330973

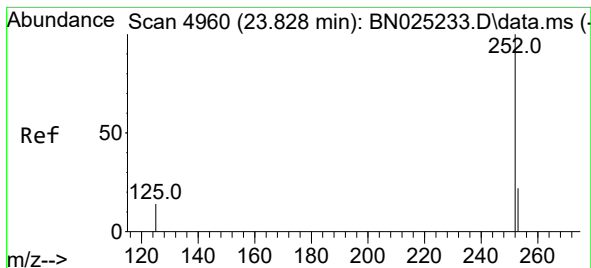
Ion Ratio Lower Upper

252 100

253 23.4 0.0 50.2

125 13.7 0.0 30.4





#26

Benzo(a)pyrene

Concen: 49.856 ng/ul

RT: 23.901 min Scan# 4960

Delta R.T. 0.073 min

Lab File: BN025250.D

Acq: 03 May 2023 21:30

Instrument :

BNA_N

ClientSampleId :

EW940

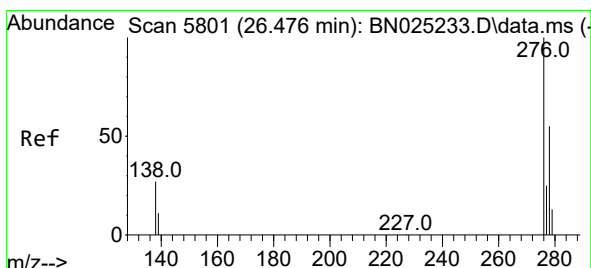
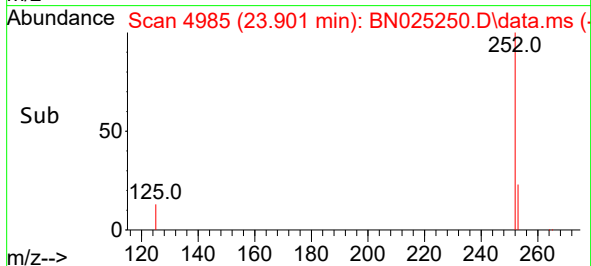
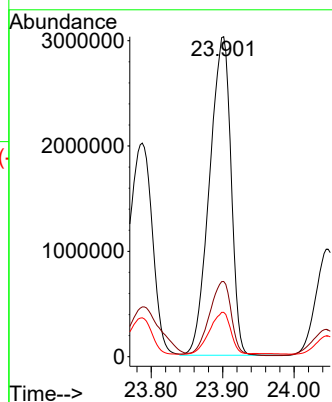
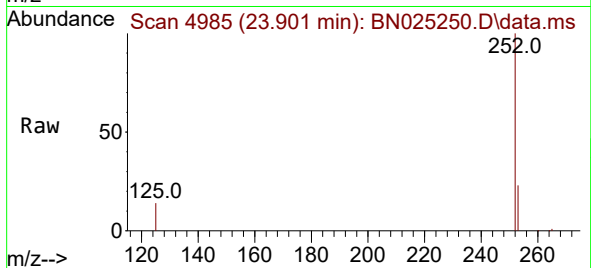
Tgt Ion:252 Resp: 6302479

Ion Ratio Lower Upper

252 100

253 23.5 21.4 32.2

125 13.8 14.6 22.0#



#27

Indeno(1,2,3-cd)pyrene

Concen: 32.870 ng/ul

RT: 26.587 min Scan# 5834

Delta R.T. 0.111 min

Lab File: BN025250.D

Acq: 03 May 2023 21:30

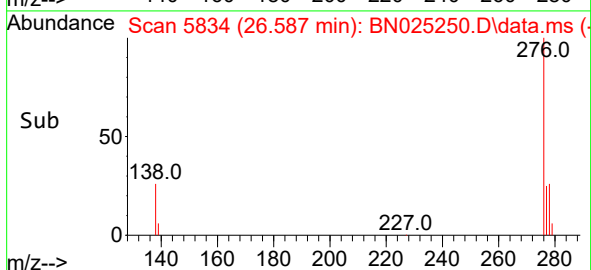
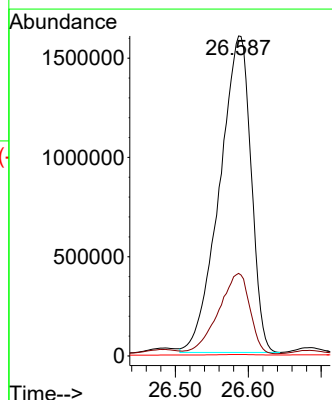
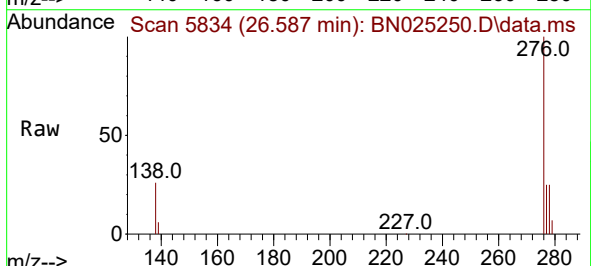
Tgt Ion:276 Resp: 4787594

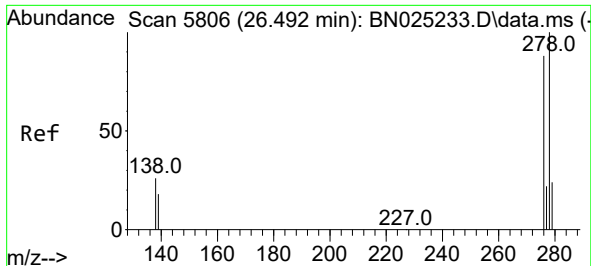
Ion Ratio Lower Upper

276 100

138 25.2 21.9 32.9

227 0.2 0.1 0.1#

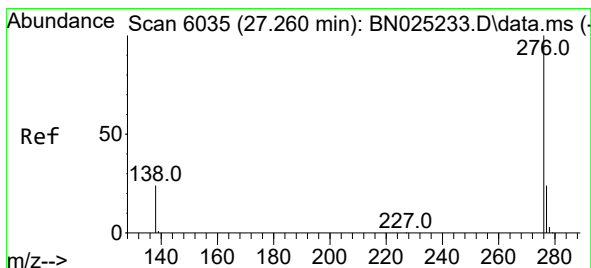
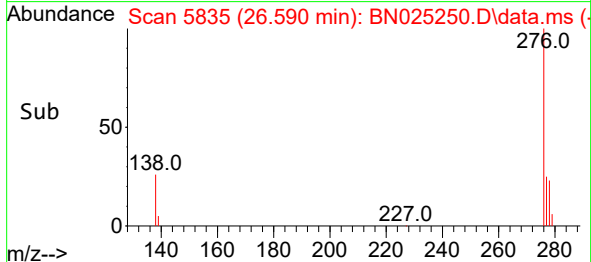
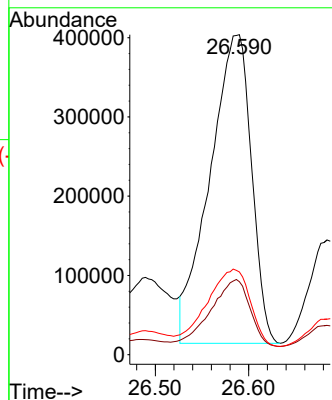
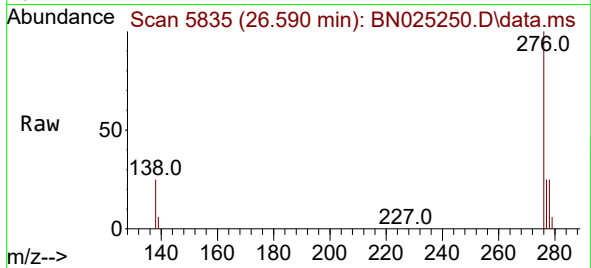




#28
Dibenzo(a,h)anthracene
Concen: 10.610 ng/ul
RT: 26.590 min Scan# 5835
Delta R.T. 0.098 min
Lab File: BN025250.D
Acq: 03 May 2023 21:30

Instrument :
BNA_N
ClientSampleId :
EW940

Tgt Ion:278 Resp: 1207123
Ion Ratio Lower Upper
278 100
139 22.8 17.0 25.6
279 25.8 21.8 32.8



#29
Benzo(g,h,i)perylene
Concen: 34.427 ng/ul
RT: 27.388 min Scan# 6073
Delta R.T. 0.128 min
Lab File: BN025250.D
Acq: 03 May 2023 21:30

Tgt Ion:276 Resp: 4263685
Ion Ratio Lower Upper
276 100
138 25.9 20.3 30.5
277 24.7 19.8 29.6

