

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025249.D
 Acq On : 03 May 2023 20:55
 Operator : CG/JU
 Sample : 02447-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW939

Quant Time: May 04 04:31:13 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

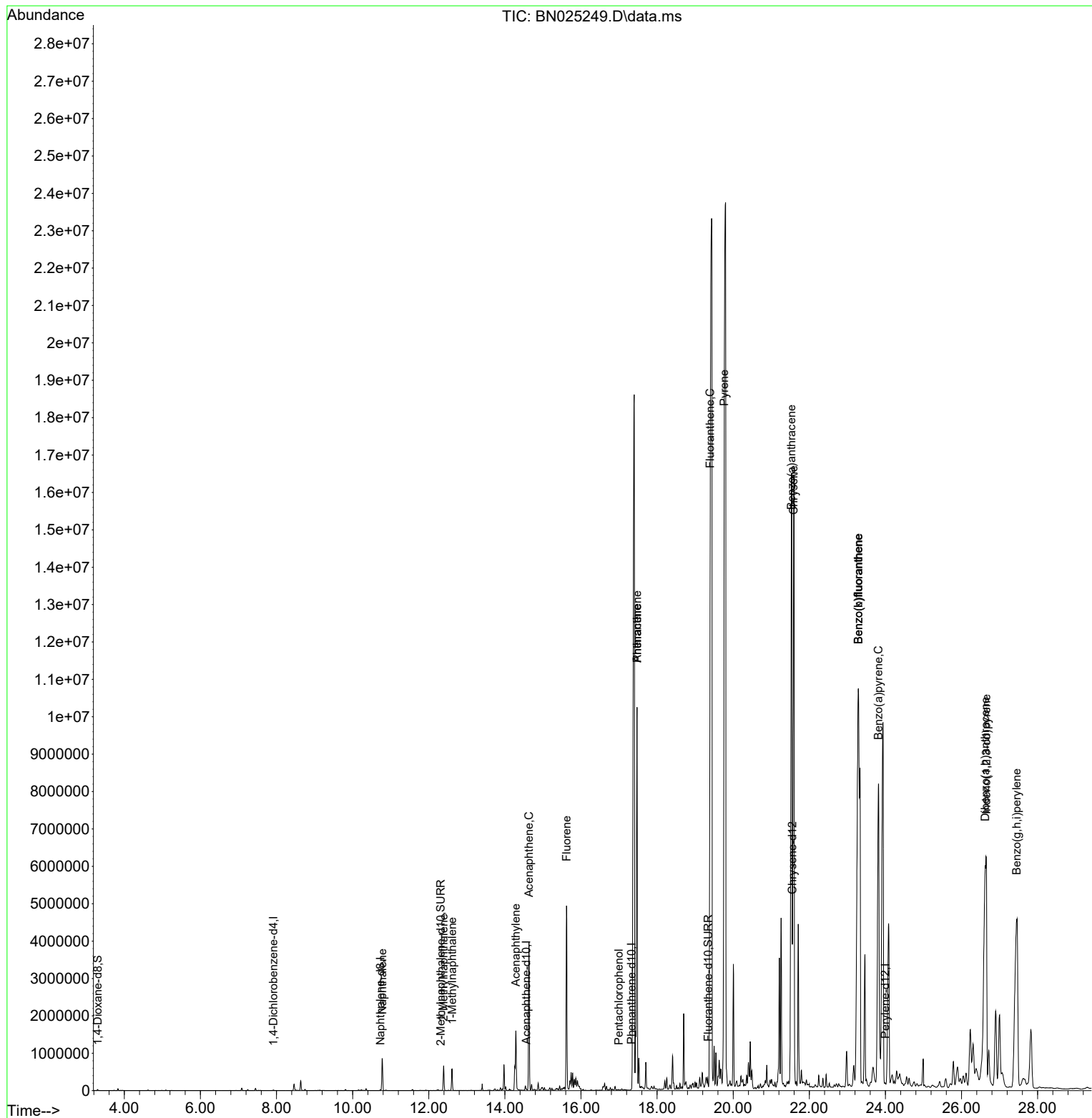
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	7973	0.400	ng/ul	0.00
4) Naphthalene-d8	10.726	136	27087	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.566	164	19041	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.326	188	32816	0.400	ng/ul	# 0.02
17) Chrysene-d12	21.552	240	24452	0.400	ng/ul	# 0.05
23) Perylene-d12	23.996	264	65744	0.400	ng/ul	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	17177	2.081	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.316	152	5919	0.170	ng/ul	0.00
18) Fluoranthene-d10	19.345	212	42557	0.660	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.781	128	1181435	17.022	ng/ul	99
7) 2-Methylnaphthalene	12.392	142	453137	10.660	ng/ul	99
8) 1-Methylnaphthalene	12.612	142	394172	8.699	ng/ul	100
10) Acenaphthylene	14.288	152	1921984	27.096	ng/ul	100
11) Acenaphthene	14.635	153	2336661	39.080	ng/ul	96
12) Fluorene	15.620	166	3196412	47.820	ng/ul	100
14) Pentachlorophenol	16.992	266	1196	0.186	ng/ul#	83
15) Phenanthrene	17.474	178	11937072	128.872	ng/ul	99
16) Anthracene	17.474	178	11766085	155.274	ng/ul	99
19) Fluoranthene	19.396	202	33101265	374.351	ng/ul#	89
20) Pyrene	19.763	202	29747749	327.439	ng/ul#	89
21) Benzo(a)anthracene	21.526	228	19471779	264.264	ng/ul#	85
22) Chrysene	21.587	228	19949685	248.196	ng/ul#	89
24) Benzo(b)fluoranthene	23.288	252	40267566	150.967	ng/ul	96
25) Benzo(k)fluoranthene	23.288	252	34388584	134.035	ng/ul	96
26) Benzo(a)pyrene	23.818	252	13060131	59.179	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.651	276	16510820	64.933	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.625	278	4602802	23.174	ng/ul	97
29) Benzo(g,h,i)perylene	27.450	276	14918253	68.999	ng/ul	98

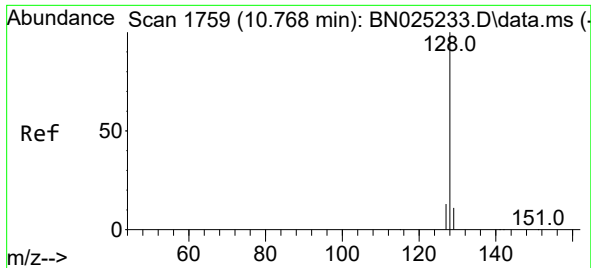
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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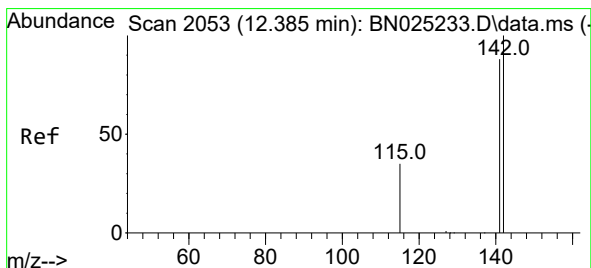
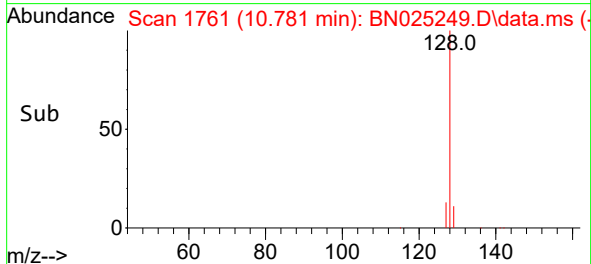
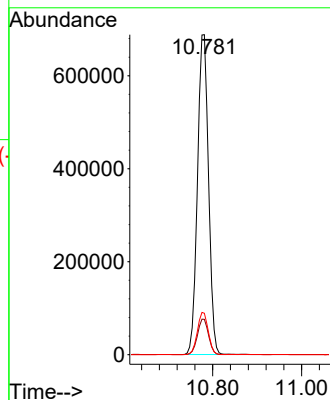
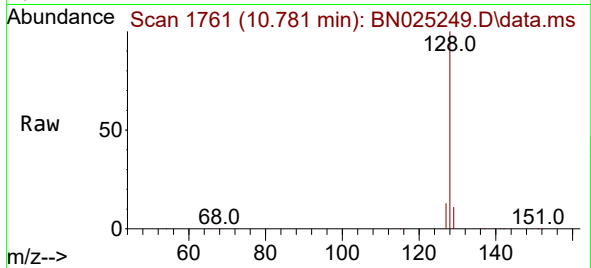




#5
Naphthalene
Concen: 17.022 ng/ul
RT: 10.781 min Scan# 1761
Delta R.T. 0.013 min
Lab File: BN025249.D
Acq: 03 May 2023 20:55

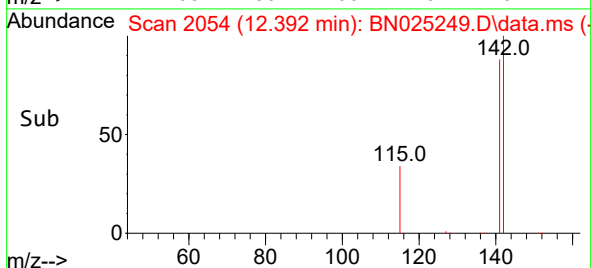
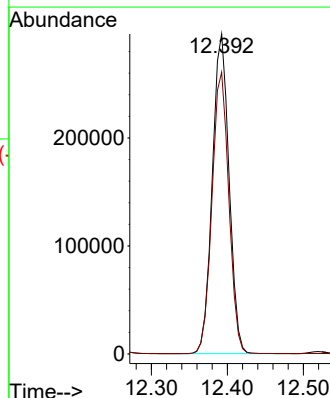
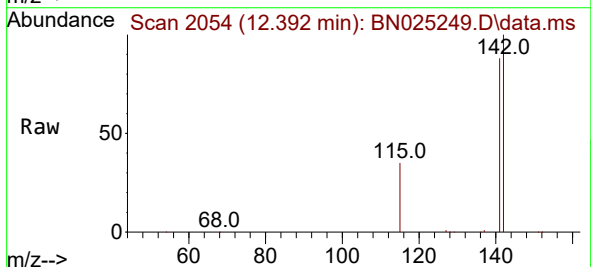
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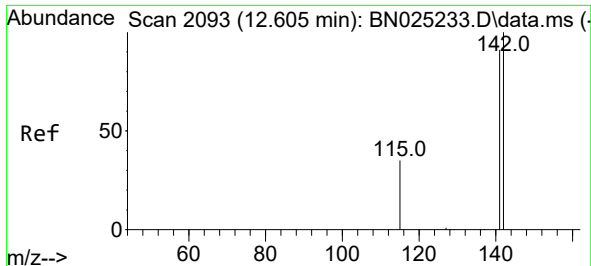
Tgt Ion:128 Resp: 1181435
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.9 10.7 16.1



#7
2-Methylnaphthalene
Concen: 10.660 ng/ul
RT: 12.392 min Scan# 2054
Delta R.T. 0.007 min
Lab File: BN025249.D
Acq: 03 May 2023 20:55

Tgt Ion:142 Resp: 453137
Ion Ratio Lower Upper
142 100
141 88.5 71.4 107.0

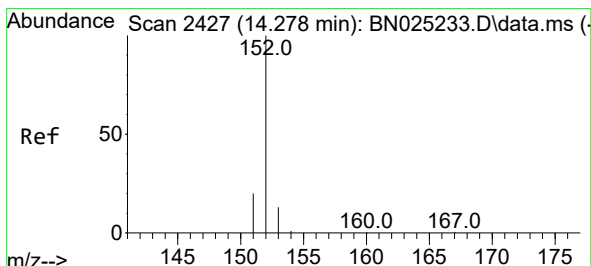
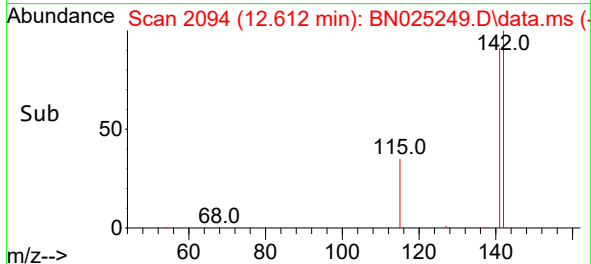
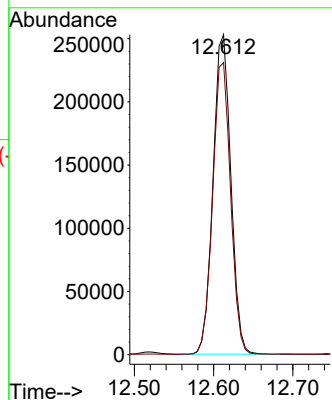
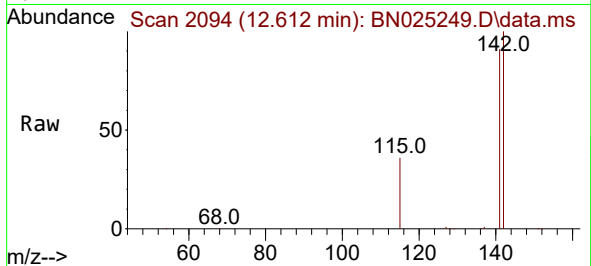




#8
1-Methylnaphthalene
Concen: 8.699 ng/ul
RT: 12.612 min Scan# 2094
Delta R.T. 0.007 min
Lab File: BN025249.D
Acq: 03 May 2023 20:55

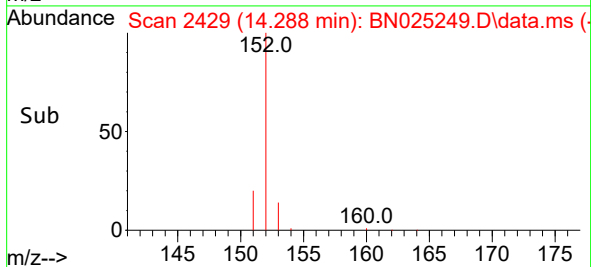
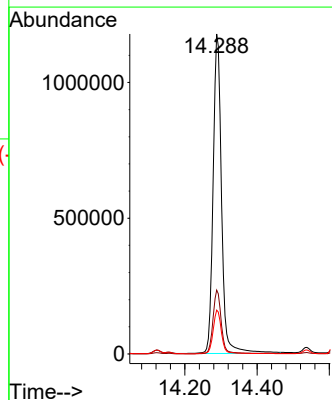
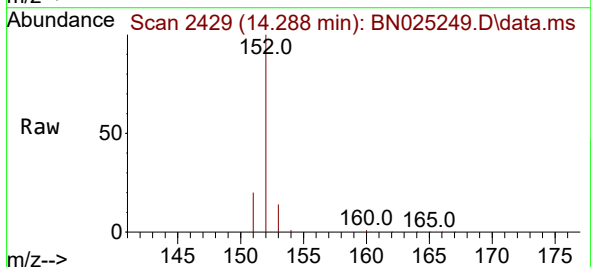
Instrument :
BNA_N
ClientSampleId :
EW939

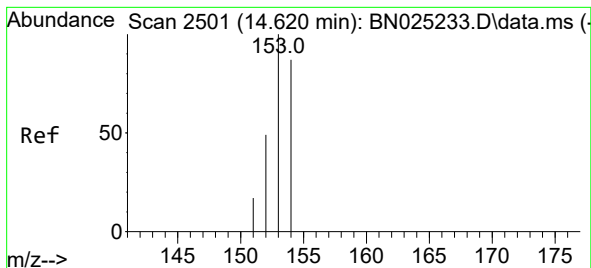
Tgt Ion:142 Resp: 394172
Ion Ratio Lower Upper
142 100
141 91.8 73.8 110.6



#10
Acenaphthylene
Concen: 27.096 ng/ul
RT: 14.288 min Scan# 2429
Delta R.T. 0.010 min
Lab File: BN025249.D
Acq: 03 May 2023 20:55

Tgt Ion:152 Resp: 1921984
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.7 10.8 16.2





#11

Acenaphthene

Concen: 39.080 ng/ul

RT: 14.635 min Scan# 2504

Delta R.T. 0.015 min

Lab File: BN025249.D

Acq: 03 May 2023 20:55

Instrument :

BNA_N

ClientSampleId :

EW939

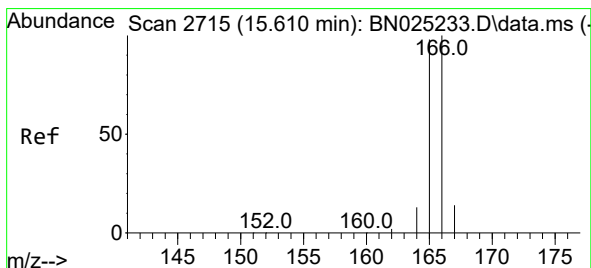
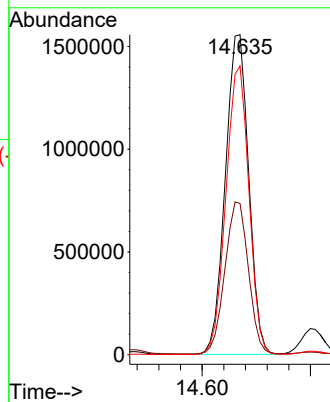
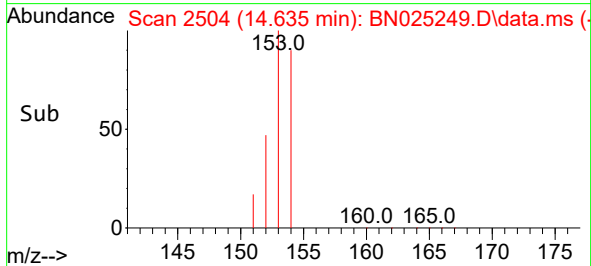
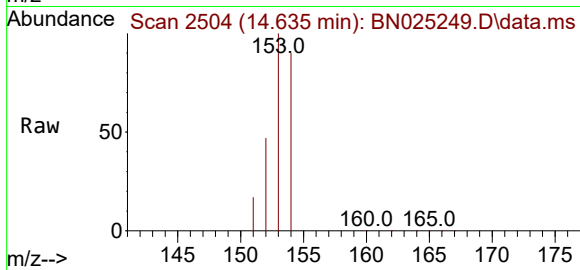
Tgt Ion:153 Resp: 2336661

Ion Ratio Lower Upper

153 100

152 47.3 40.2 60.4

154 90.2 69.4 104.2



#12

Fluorene

Concen: 47.820 ng/ul

RT: 15.620 min Scan# 2717

Delta R.T. 0.010 min

Lab File: BN025249.D

Acq: 03 May 2023 20:55

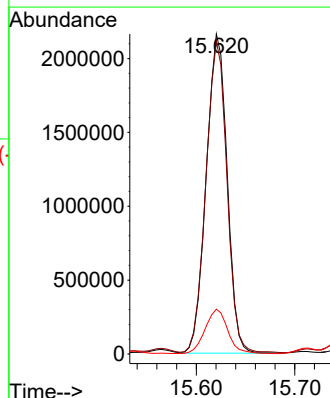
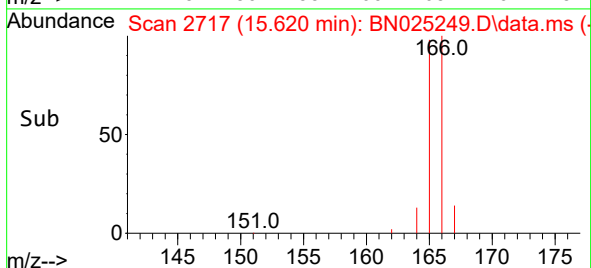
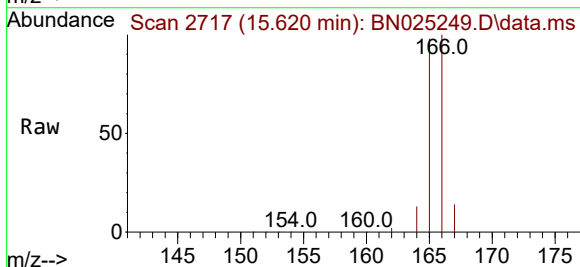
Tgt Ion:166 Resp: 3196412

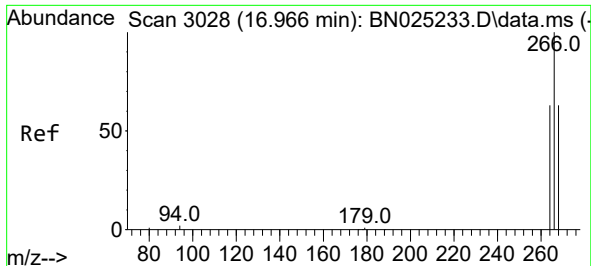
Ion Ratio Lower Upper

166 100

165 97.8 78.1 117.1

167 14.0 11.0 16.6

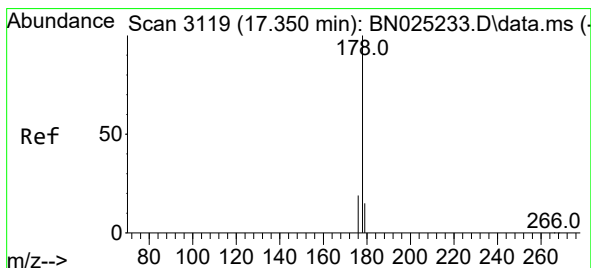
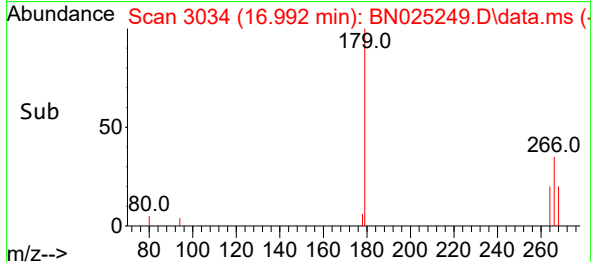
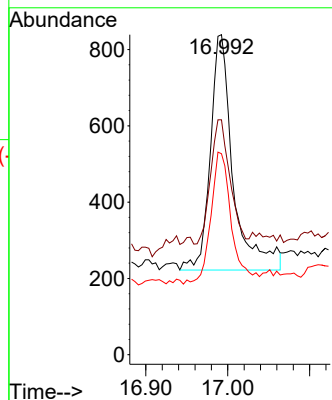
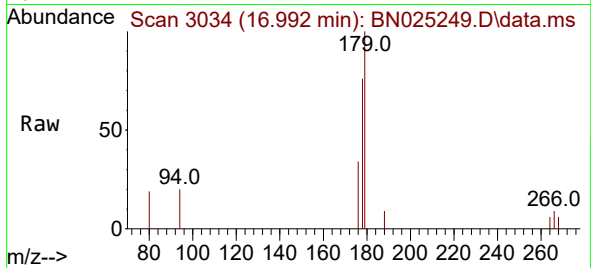




#14
 Pentachlorophenol
 Concen: 0.186 ng/ul
 RT: 16.992 min Scan# 3028
 Delta R.T. 0.026 min
 Lab File: BN025249.D
 Acq: 03 May 2023 20:55

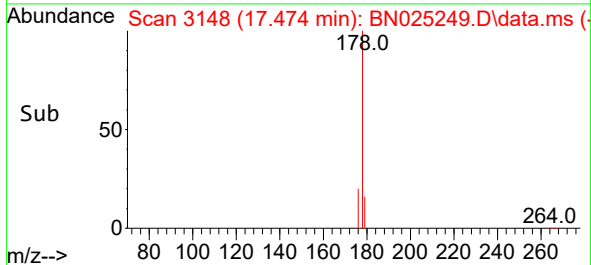
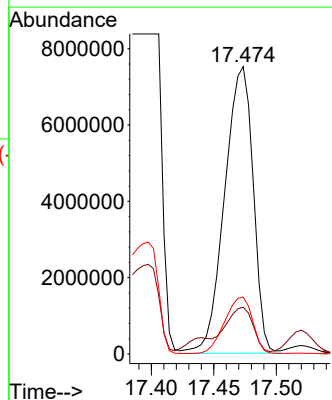
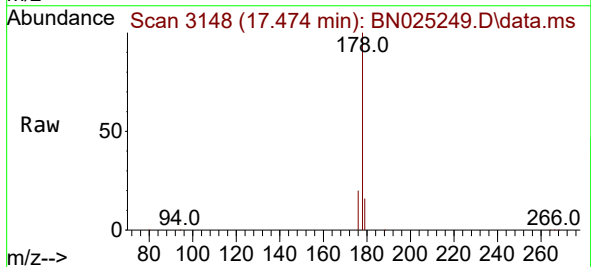
Instrument :
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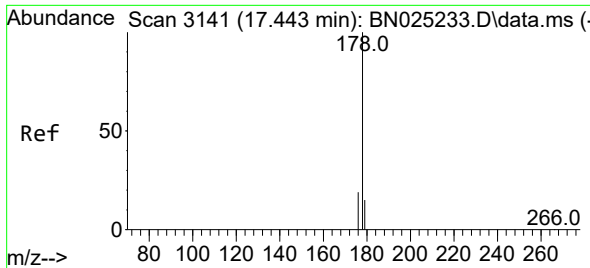
Tgt Ion:266 Resp: 1196
 Ion Ratio Lower Upper
 266 100
 264 48.8 49.6 74.4#
 268 51.1 51.3 76.9#



#15
 Phenanthrene
 Concen: 128.872 ng/ul
 RT: 17.474 min Scan# 3148
 Delta R.T. 0.123 min
 Lab File: BN025249.D
 Acq: 03 May 2023 20:55

Tgt Ion:178 Resp:11937072
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.5 18.7
 176 19.8 15.6 23.4

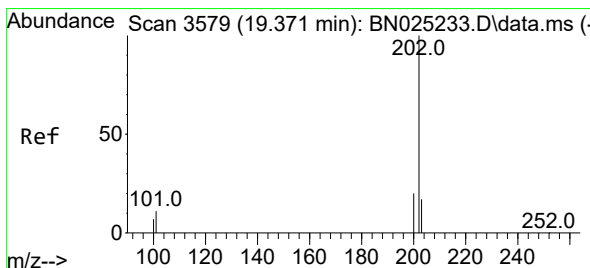
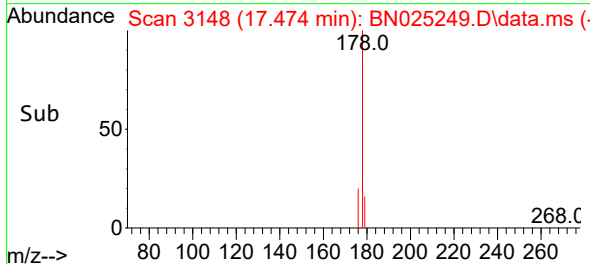
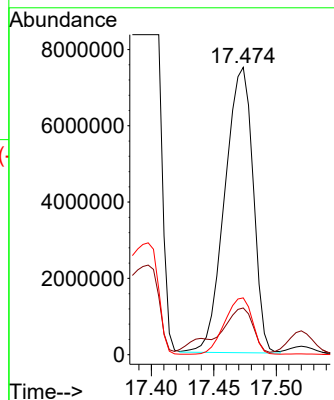
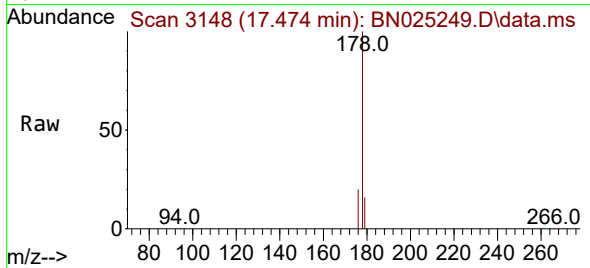




#16
 Anthracene
 Concen: 155.274 ng/ul
 RT: 17.474 min Scan# 3141
 Delta R.T. 0.030 min
 Lab File: BN025249.D
 Acq: 03 May 2023 20:55

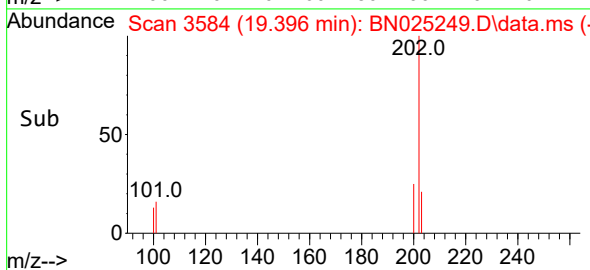
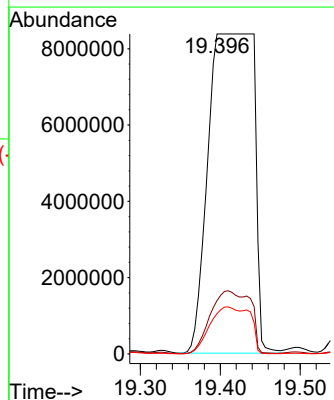
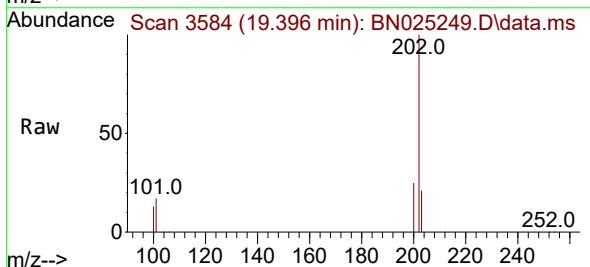
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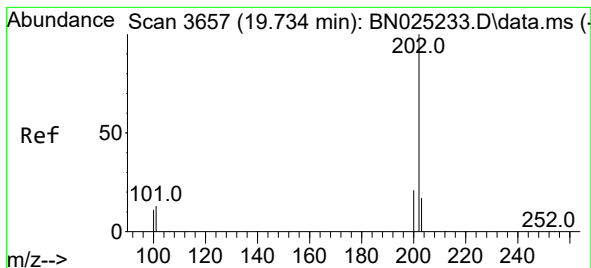
Tgt Ion:178 Resp:11766085
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.7 19.1
 176 19.8 15.3 22.9



#19
 Fluoranthene
 Concen: 374.351 ng/ul
 RT: 19.396 min Scan# 3584
 Delta R.T. 0.025 min
 Lab File: BN025249.D
 Acq: 03 May 2023 20:55

Tgt Ion:202 Resp:33101265
 Ion Ratio Lower Upper
 202 100
 101 16.7 9.7 14.5#
 100 12.6 7.3 10.9#





#20

Pyrene

Concen: 327.439 ng/ul

RT: 19.763 min Scan# 3

Delta R.T. 0.029 min

Lab File: BN025249.D

Acq: 03 May 2023 20:55

Instrument :

BNA_N

ClientSampleId :

EW939

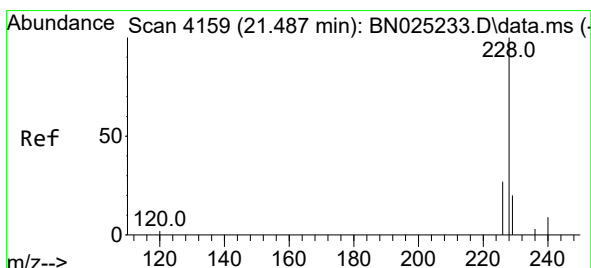
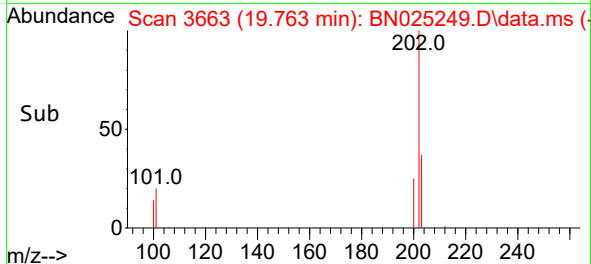
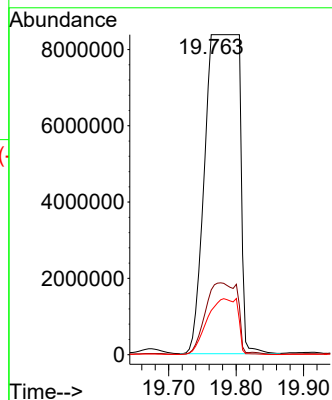
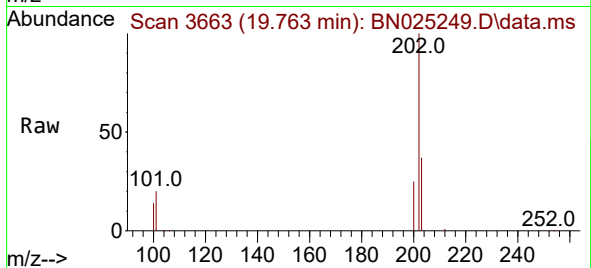
Tgt Ion:202 Resp:29747749

Ion Ratio Lower Upper

202 100

101 20.3 11.3 16.9#

100 13.8 9.2 13.8



#21

Benzo(a)anthracene

Concen: 264.264 ng/ul

RT: 21.526 min Scan# 4172

Delta R.T. 0.039 min

Lab File: BN025249.D

Acq: 03 May 2023 20:55

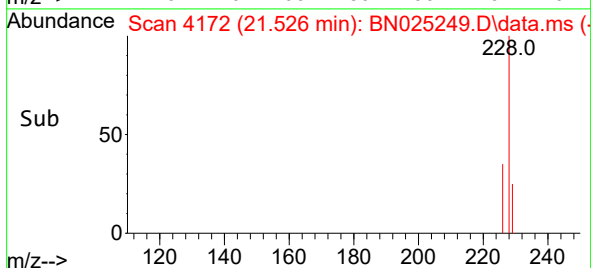
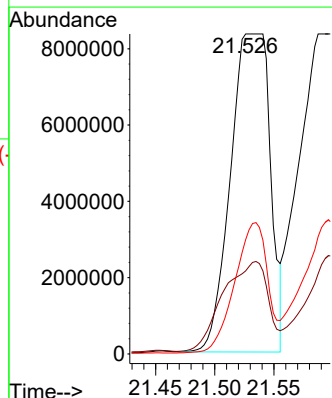
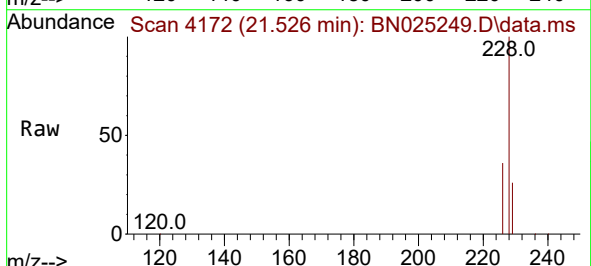
Tgt Ion:228 Resp:19471779

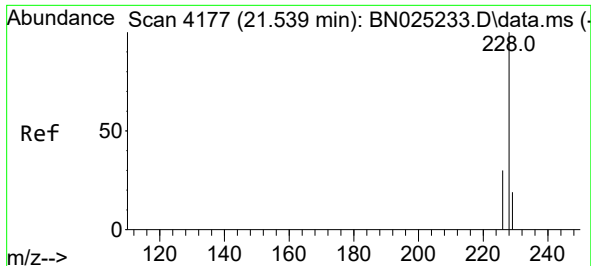
Ion Ratio Lower Upper

228 100

229 25.9 15.6 23.4#

226 35.7 22.1 33.1#





#22

Chrysene

Concen: 248.196 ng/ul

RT: 21.587 min Scan# 41

Delta R.T. 0.048 min

Lab File: BN025249.D

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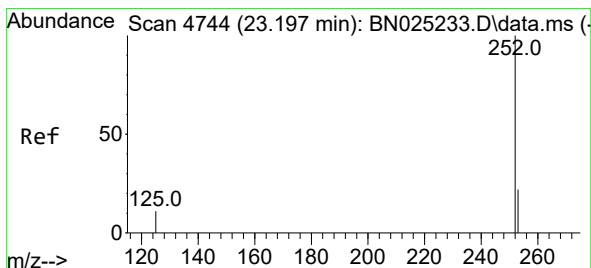
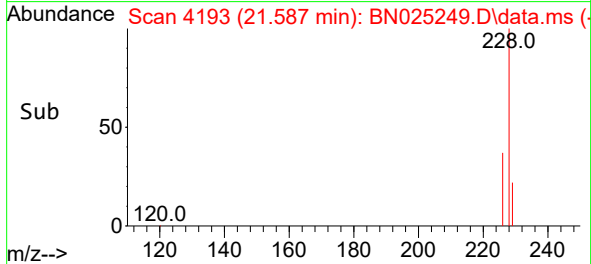
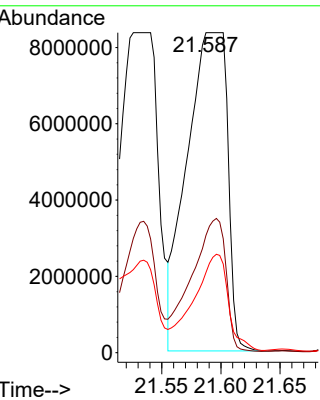
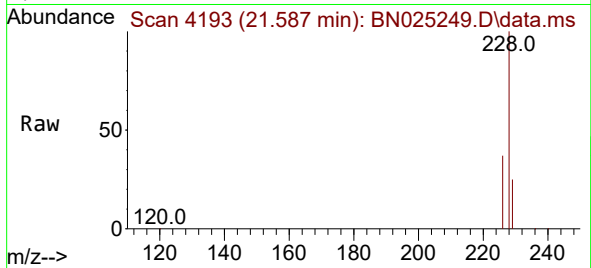
Tgt Ion:228 Resp:19949685

Ion Ratio Lower Upper

228 100

226 36.6 24.5 36.7

229 25.1 15.8 23.6#



#24

Benzo(b)fluoranthene

Concen: 150.967 ng/ul

RT: 23.288 min Scan# 4775

Delta R.T. 0.092 min

Lab File: BN025249.D

Acq: 03 May 2023 20:55

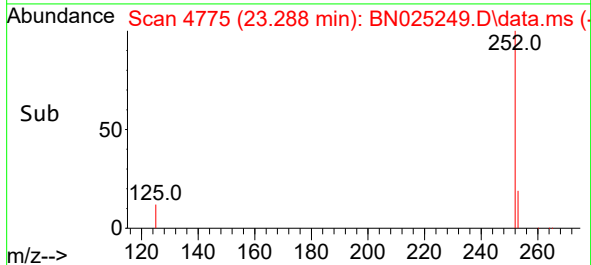
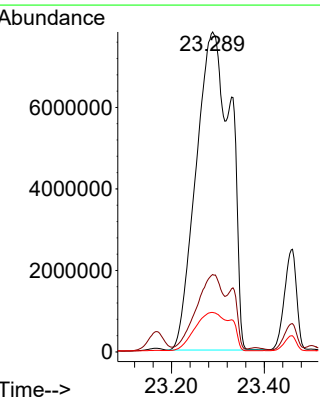
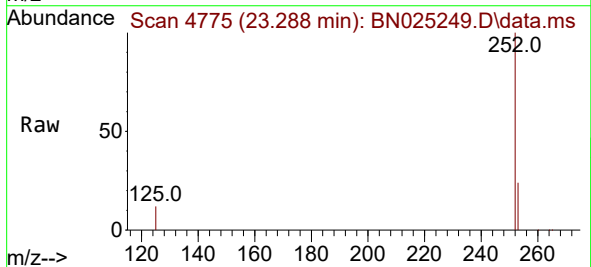
Tgt Ion:252 Resp:40267566

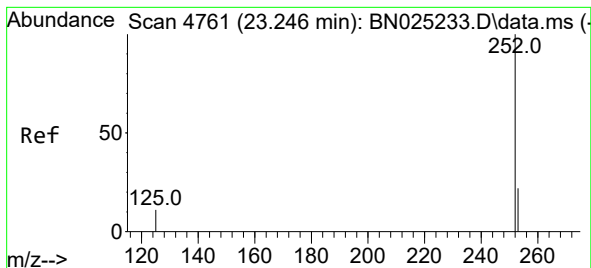
Ion Ratio Lower Upper

252 100

253 24.2 0.0 50.2

125 12.4 0.0 30.4





#25

Benzo(k)fluoranthene

Concen: 134.035 ng/ul

RT: 23.288 min Scan# 41

Delta R.T. 0.042 min

Lab File: BN025249.D

Acq: 03 May 2023 20:55

Instrument :

BNA_N

ClientSampleId :

EW939

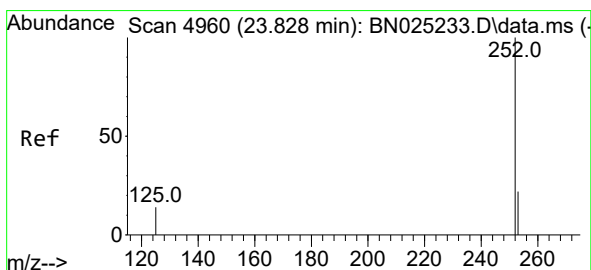
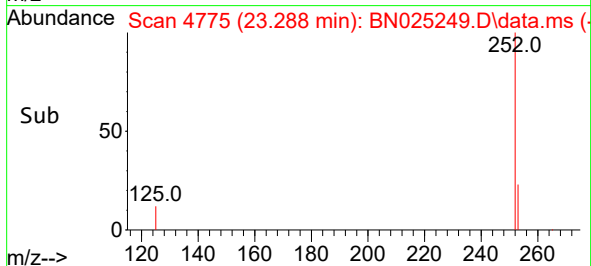
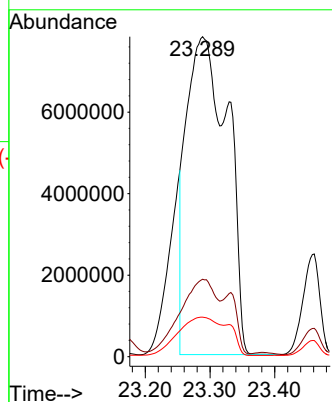
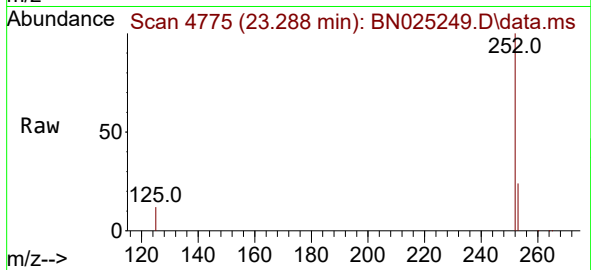
Tgt Ion:252 Resp:34388584

Ion Ratio Lower Upper

252 100

253 24.2 20.2 30.4

125 12.4 11.8 17.8



#26

Benzo(a)pyrene

Concen: 59.179 ng/ul

RT: 23.818 min Scan# 4956

Delta R.T. -0.010 min

Lab File: BN025249.D

Acq: 03 May 2023 20:55

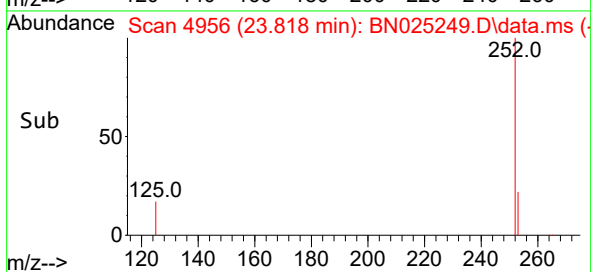
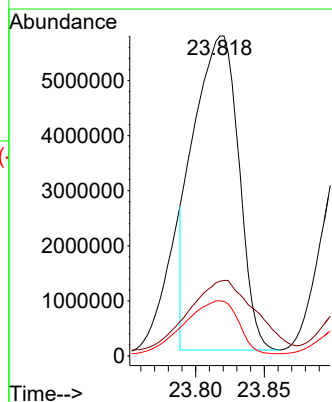
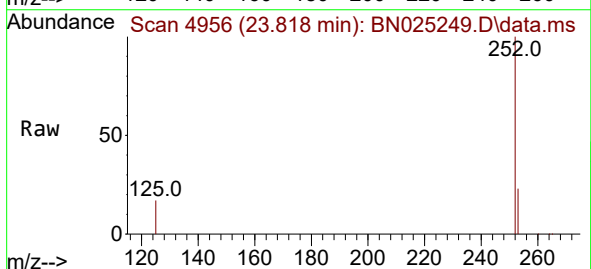
Tgt Ion:252 Resp:13060131

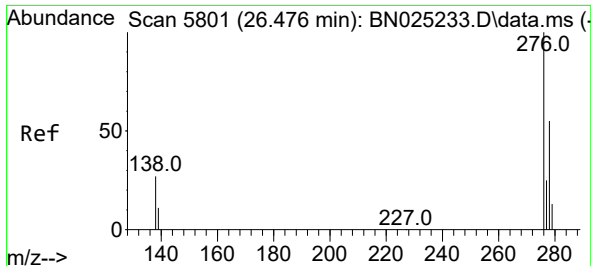
Ion Ratio Lower Upper

252 100

253 23.3 21.4 32.2

125 17.3 14.6 22.0

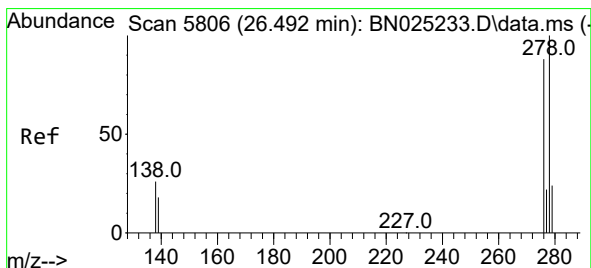
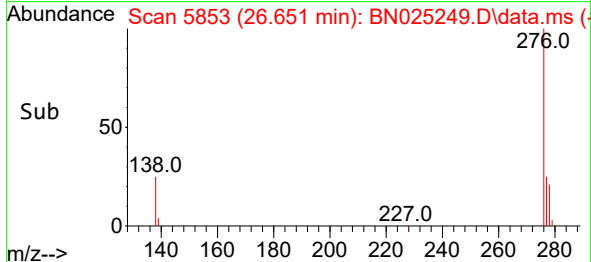
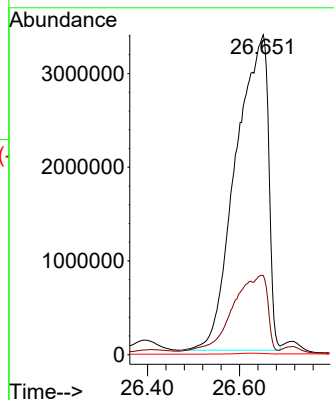
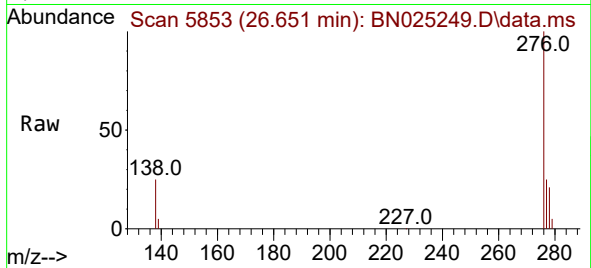




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 64.933 ng/ul
 RT: 26.651 min Scan# 5853
 Delta R.T. 0.176 min
 Lab File: BN025249.D
 Acq: 03 May 2023 20:55

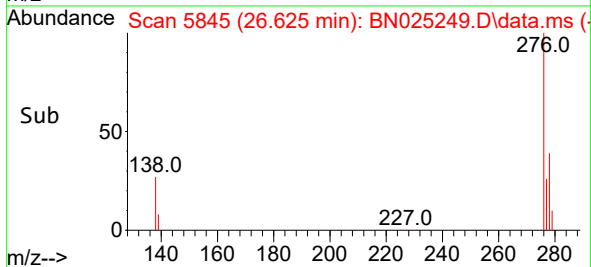
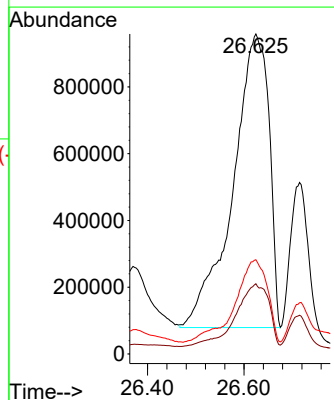
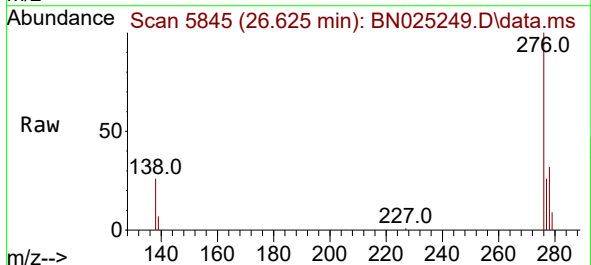
Instrument :
 BNA_N
 ClientSampleId :
 EW939

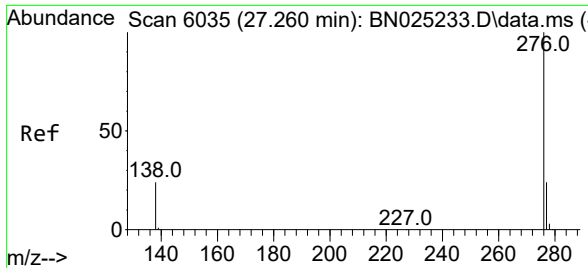
Tgt Ion:276 Resp:16510820
 Ion Ratio Lower Upper
 276 100
 138 25.3 21.9 32.9
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 23.174 ng/ul
 RT: 26.625 min Scan# 5845
 Delta R.T. 0.132 min
 Lab File: BN025249.D
 Acq: 03 May 2023 20:55

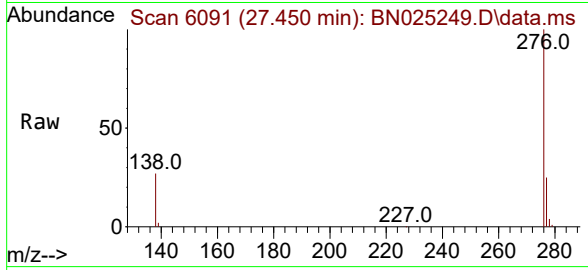
Tgt Ion:278 Resp: 4602802
 Ion Ratio Lower Upper
 278 100
 139 21.9 17.0 25.6
 279 29.4 21.8 32.8





#29
 Benzo(g,h,i)perylene
 Concen: 68.999 ng/ul
 RT: 27.450 min Scan# 6091
 Delta R.T. 0.189 min
 Lab File: BN025249.D
 Acq: 03 May 2023 20:55

Instrument :
 BNA_N
 ClientSampleId :
 EW939



Tgt Ion:276 Resp:14918253

Ion	Ratio	Lower	Upper
276	100		
138	26.9	20.3	30.5
277	25.0	19.8	29.6

