

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025251.D
 Acq On : 03 May 2023 22:06
 Operator : CG/JU
 Sample : 02447-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW938

Quant Time: May 04 04:31:35 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

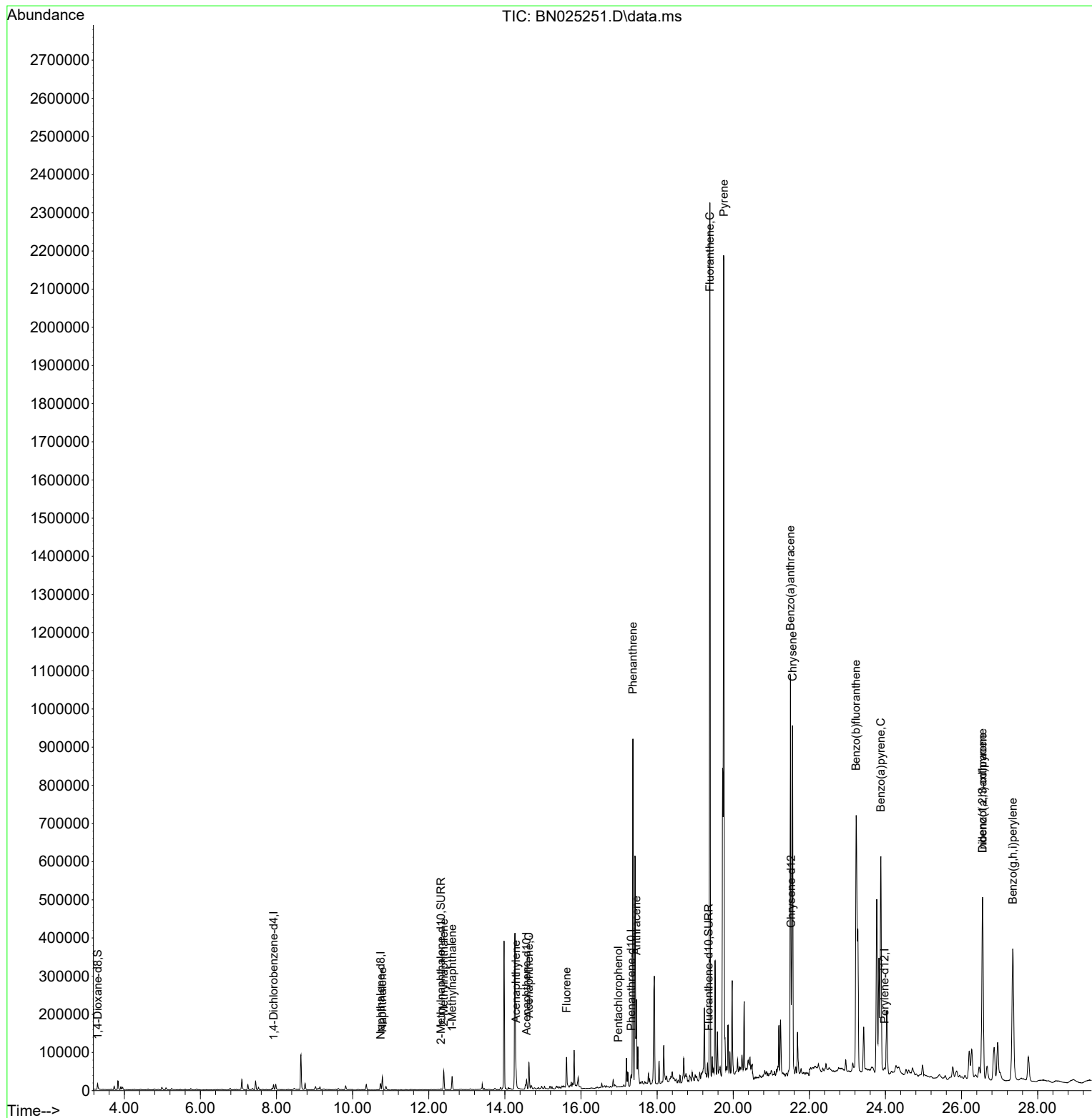
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	6648	0.400	ng/ul	0.00
4) Naphthalene-d8	10.732	136	21102	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.570	164	13397	0.400	ng/ul	0.01
13) Phenanthrene-d10	17.321	188	48165	0.400	ng/ul	# 0.01
17) Chrysene-d12	21.520	240	19539	0.400	ng/ul	# 0.02
23) Perylene-d12	23.978	264	15889	0.400	ng/ul	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	9238	1.342	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.321	152	3454	0.127	ng/ul	0.01
18) Fluoranthene-d10	19.354	212	9121	0.177	ng/ul	0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.781	128	44673	0.826	ng/ul	99
7) 2-Methylnaphthalene	12.392	142	34325	1.036	ng/ul	100
8) 1-Methylnaphthalene	12.612	142	23432	0.664	ng/ul	100
10) Acenaphthylene	14.293	152	78052	1.564	ng/ul	97
11) Acenaphthene	14.630	153	41443	0.985	ng/ul	100
12) Fluorene	15.620	166	51779	1.101	ng/ul	98
14) Pentachlorophenol	16.984	266	211	0.022	ng/ul#	81
15) Phenanthrene	17.364	178	949065	6.981	ng/ul	100
16) Anthracene	17.457	178	230975	2.077	ng/ul	99
19) Fluoranthene	19.386	202	1901330	26.909	ng/ul	98
20) Pyrene	19.753	202	1771584	24.403	ng/ul	99
21) Benzo(a)anthracene	21.505	228	872050	14.811	ng/ul	96
22) Chrysene	21.558	228	928731	14.460	ng/ul	97
24) Benzo(b)fluoranthene	23.230	252	1614986	25.053	ng/ul	96
26) Benzo(a)pyrene	23.879	252	785812	14.733	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.554	276	712299	11.591	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.554	278	181340	3.778	ng/ul#	91
29) Benzo(g,h,i)perylene	27.345	276	717684	13.735	ng/ul	99

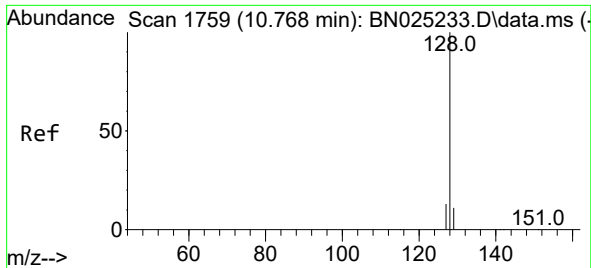
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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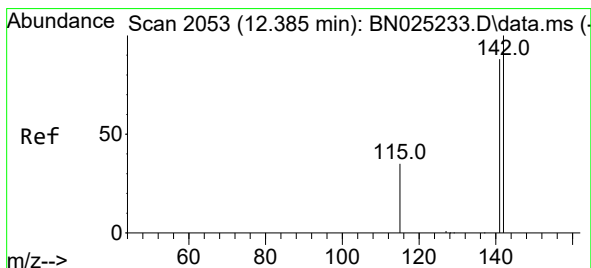
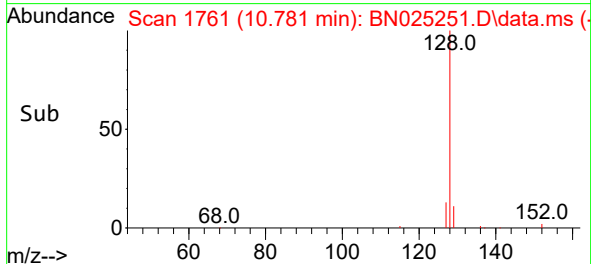
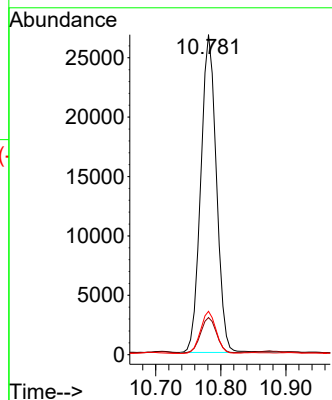
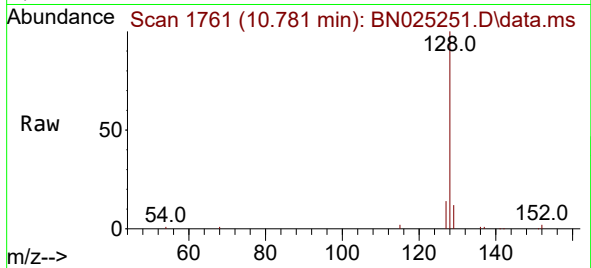




#5
Naphthalene
Concen: 0.826 ng/ul
RT: 10.781 min Scan# 1761
Delta R.T. 0.013 min
Lab File: BN025251.D
Acq: 03 May 2023 22:06

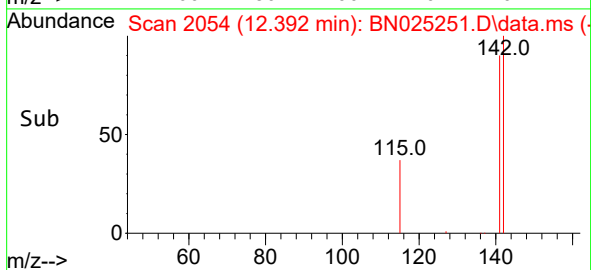
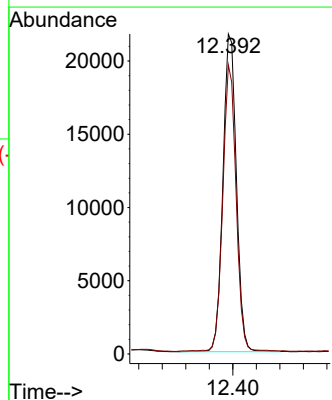
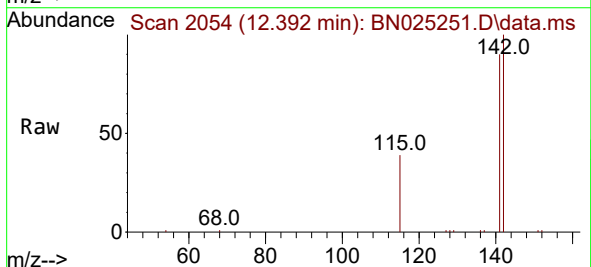
Instrument :
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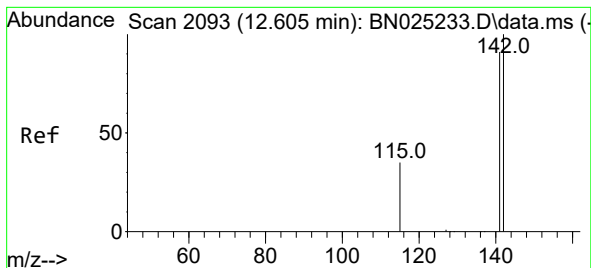
Tgt Ion:128 Resp: 44673
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.6 10.7 16.1



#7
2-Methylnaphthalene
Concen: 1.036 ng/ul
RT: 12.392 min Scan# 2054
Delta R.T. 0.007 min
Lab File: BN025251.D
Acq: 03 May 2023 22:06

Tgt Ion:142 Resp: 34325
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0





#8

1-Methylnaphthalene

Concen: 0.664 ng/ul

RT: 12.612 min Scan# 2094

Delta R.T. 0.007 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

Instrument :

BNA_N

ClientSampleId :

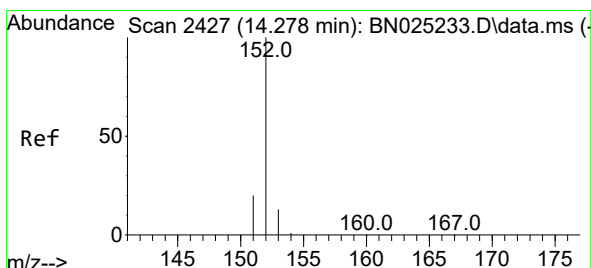
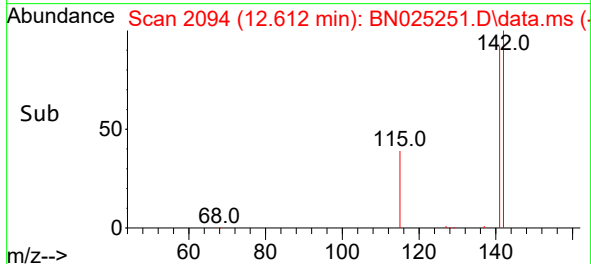
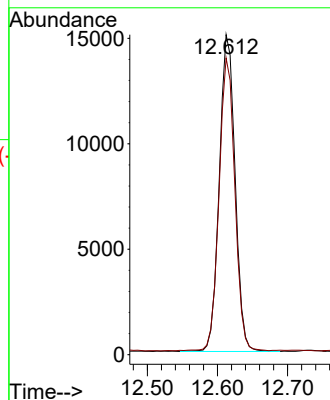
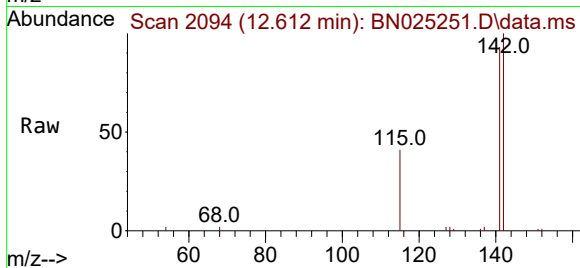
EW938

Tgt Ion:142 Resp: 23432

Ion Ratio Lower Upper

142 100

141 92.1 73.8 110.6



#10

Acenaphthylene

Concen: 1.564 ng/ul

RT: 14.293 min Scan# 2430

Delta R.T. 0.015 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

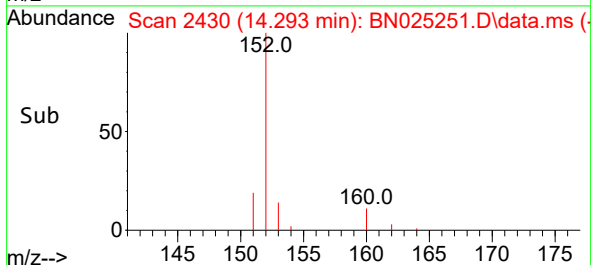
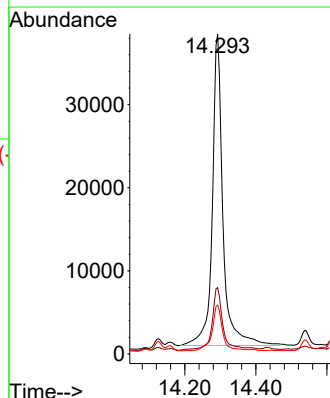
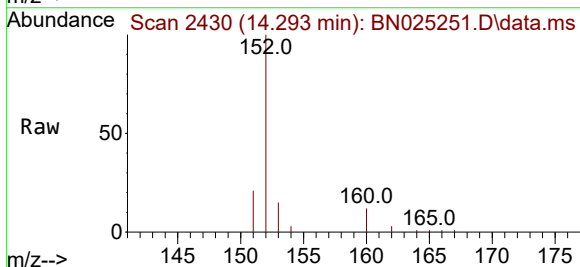
Tgt Ion:152 Resp: 78052

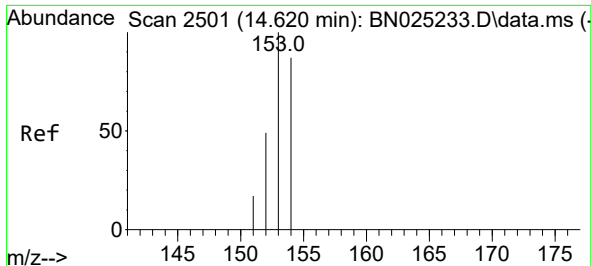
Ion Ratio Lower Upper

152 100

151 20.8 16.0 24.0

153 15.3 10.8 16.2

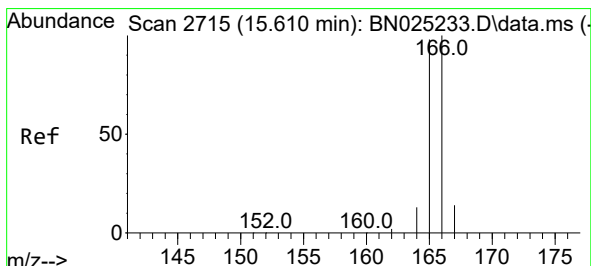
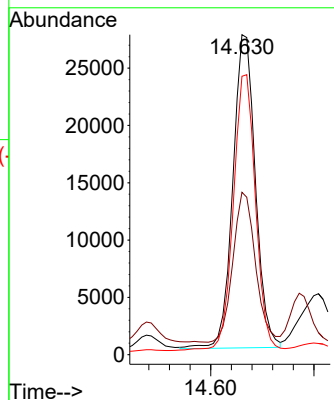
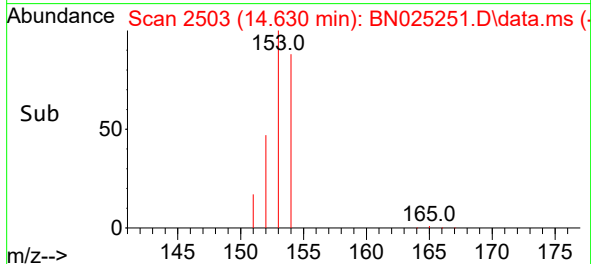
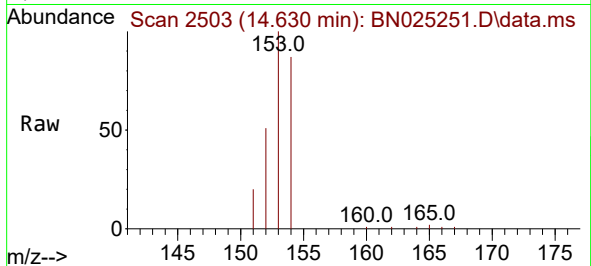




#11
Acenaphthene
Concen: 0.985 ng/ul
RT: 14.630 min Scan# 21
Delta R.T. 0.010 min
Lab File: BN025251.D
Acq: 03 May 2023 22:06

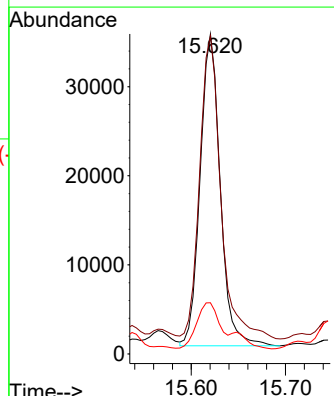
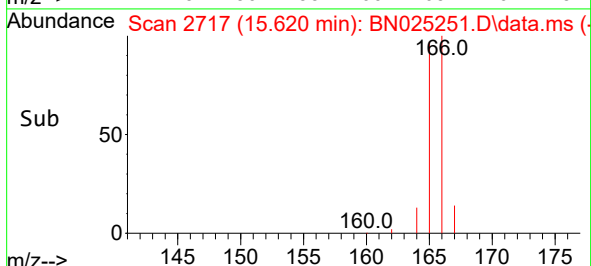
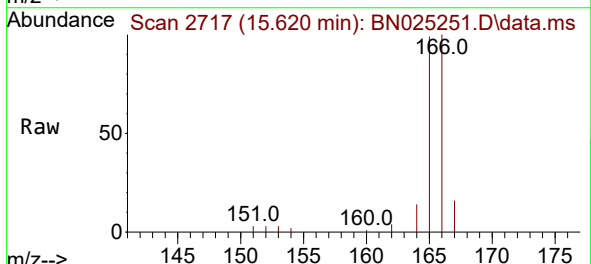
Instrument :
BNA_N
ClientSampleId :
EW938

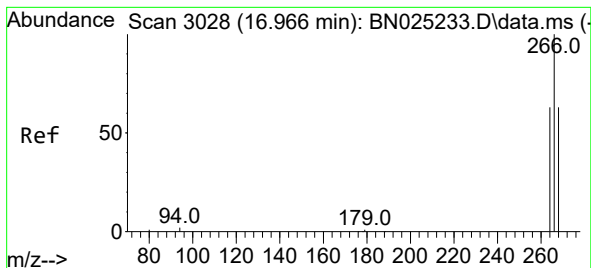
Tgt Ion:153 Resp: 41443
Ion Ratio Lower Upper
153 100
152 50.8 40.2 60.4
154 87.0 69.4 104.2



#12
Fluorene
Concen: 1.101 ng/ul
RT: 15.620 min Scan# 2717
Delta R.T. 0.010 min
Lab File: BN025251.D
Acq: 03 May 2023 22:06

Tgt Ion:166 Resp: 51779
Ion Ratio Lower Upper
166 100
165 99.5 78.1 117.1
167 16.0 11.0 16.6





#14

Pentachlorophenol

Concen: 0.022 ng/ul

RT: 16.984 min Scan# 3028

Delta R.T. 0.018 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

Instrument :

BNA_N

ClientSampleId :

EW938

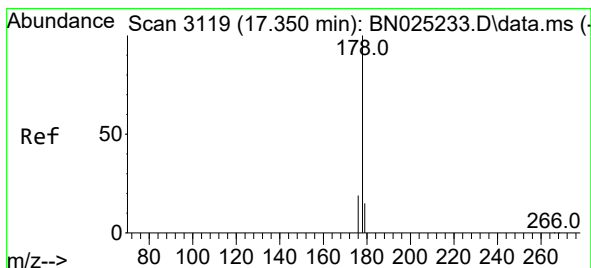
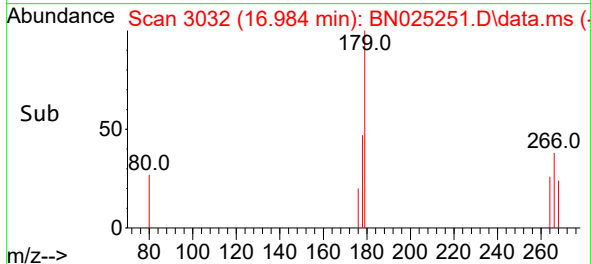
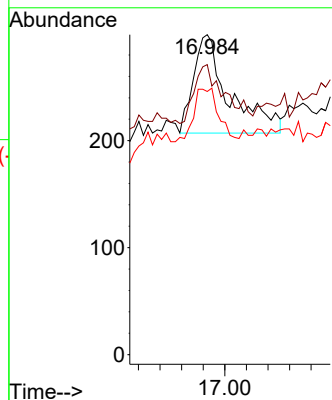
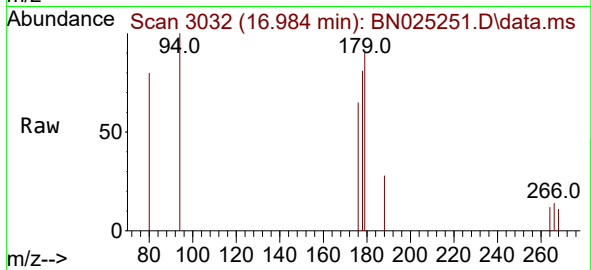
Tgt Ion:266 Resp: 211

Ion Ratio Lower Upper

266 100

264 51.2 49.6 74.4

268 45.5 51.3 76.9#



#15

Phenanthrene

Concen: 6.981 ng/ul

RT: 17.364 min Scan# 3122

Delta R.T. 0.014 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

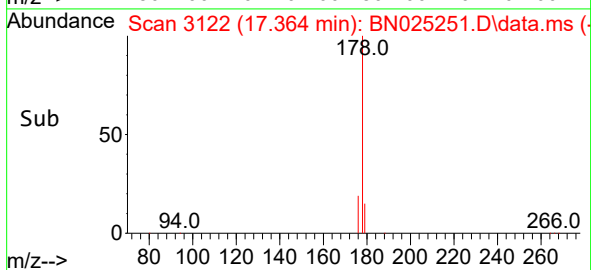
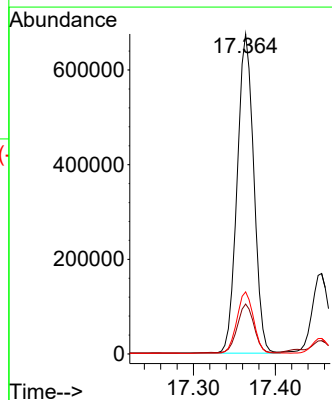
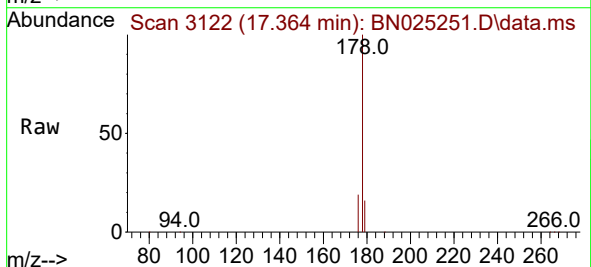
Tgt Ion:178 Resp: 949065

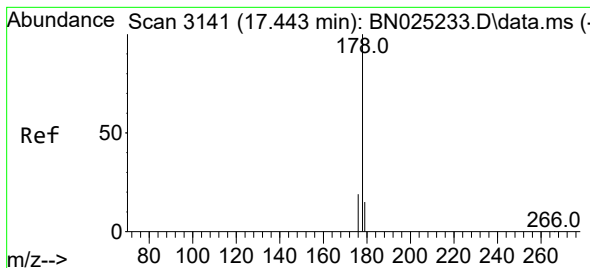
Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

176 19.4 15.6 23.4





#16

Anthracene

Concen: 2.077 ng/ul

RT: 17.457 min Scan# 3141

Delta R.T. 0.014 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

Instrument :

BNA_N

ClientSampleId :

EW938

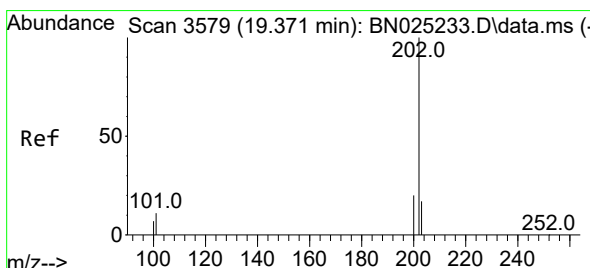
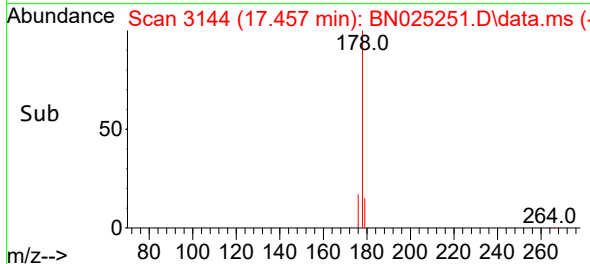
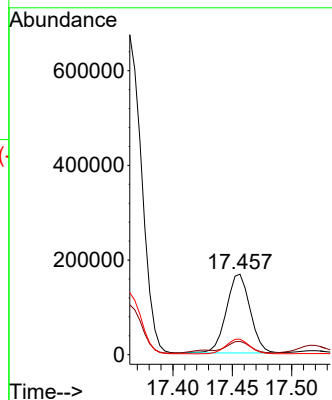
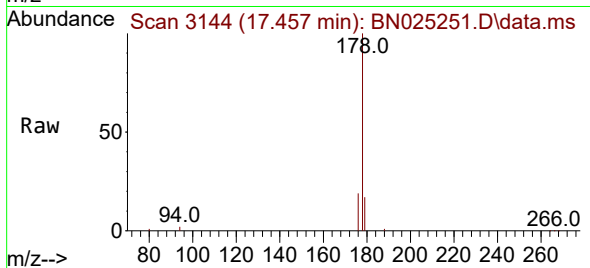
Tgt Ion:178 Resp: 230975

Ion Ratio Lower Upper

178 100

179 16.5 12.7 19.1

176 19.2 15.3 22.9



#19

Fluoranthene

Concen: 26.909 ng/ul

RT: 19.386 min Scan# 3582

Delta R.T. 0.015 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

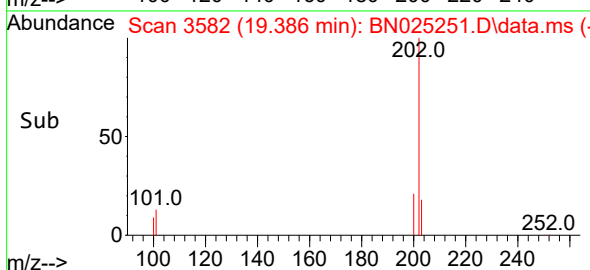
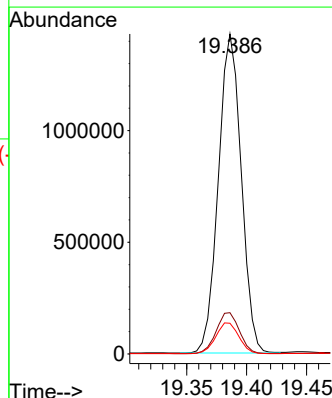
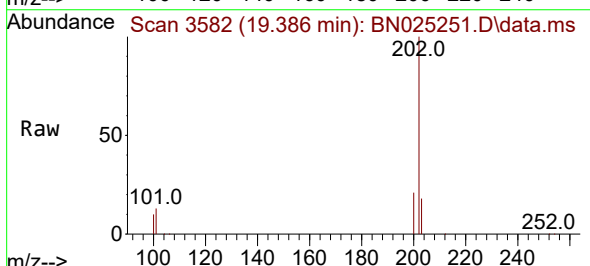
Tgt Ion:202 Resp: 1901330

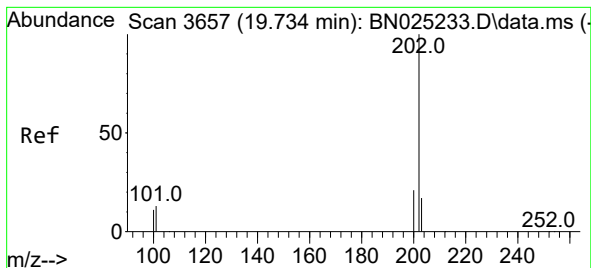
Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

100 9.6 7.3 10.9





#20

Pyrene

Concen: 24.403 ng/ul

RT: 19.753 min Scan# 3661

Delta R.T. 0.019 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

Instrument :

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ClientSampleId :

EW938

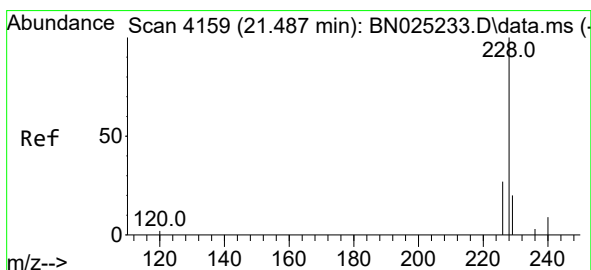
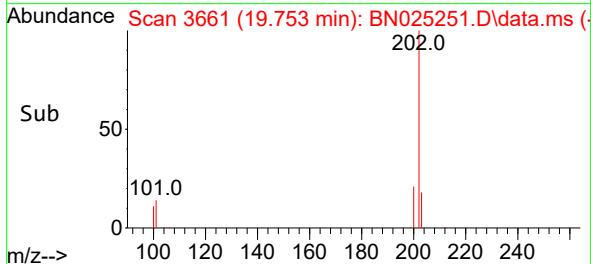
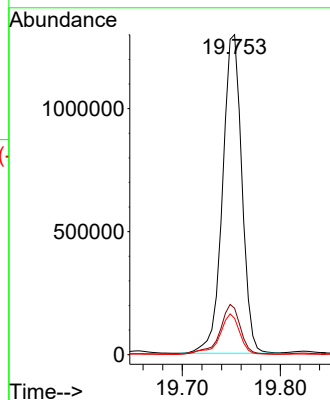
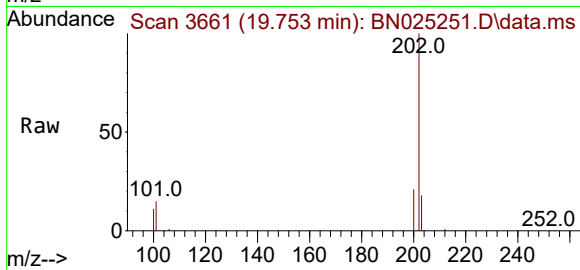
Tgt Ion:202 Resp: 1771584

Ion Ratio Lower Upper

202 100

101 14.5 11.3 16.9

100 11.4 9.2 13.8



#21

Benzo(a)anthracene

Concen: 14.811 ng/ul

RT: 21.505 min Scan# 4165

Delta R.T. 0.018 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

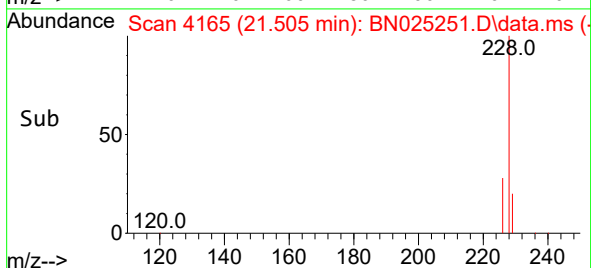
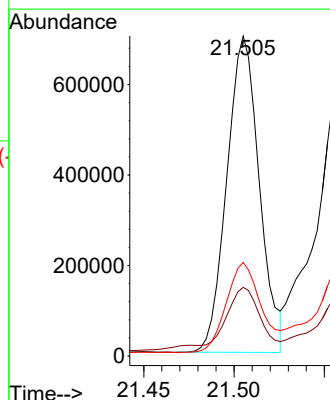
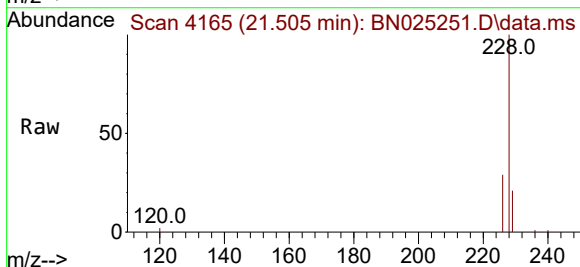
Tgt Ion:228 Resp: 872050

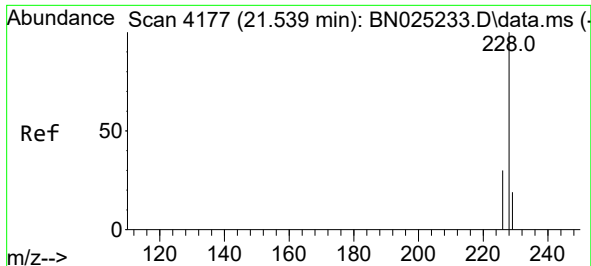
Ion Ratio Lower Upper

228 100

229 21.5 15.6 23.4

226 29.2 22.1 33.1





#22

Chrysene

Concen: 14.460 ng/ul

RT: 21.558 min Scan# 41

Delta R.T. 0.018 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

Instrument :

BNA_N

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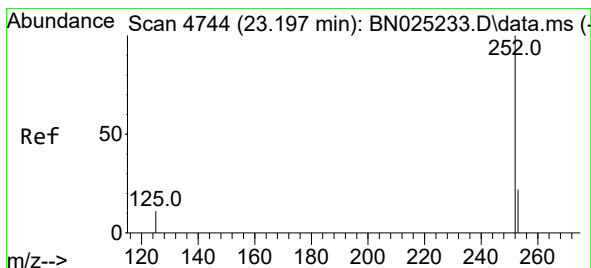
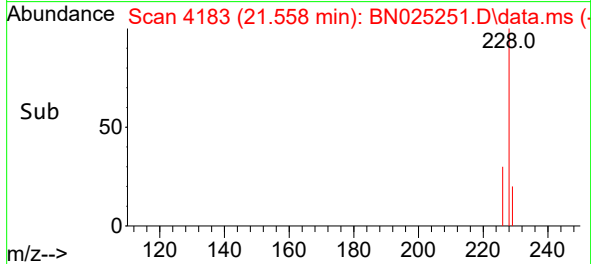
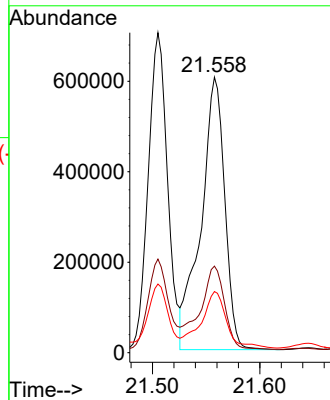
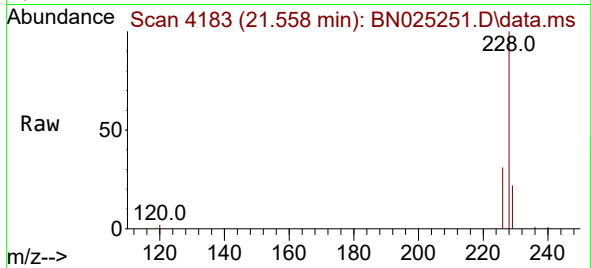
Tgt Ion:228 Resp: 928731

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

229 22.2 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 25.053 ng/ul

RT: 23.230 min Scan# 4755

Delta R.T. 0.033 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

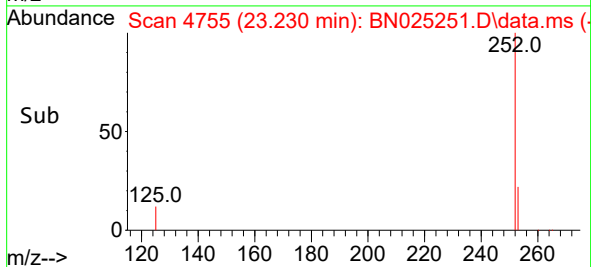
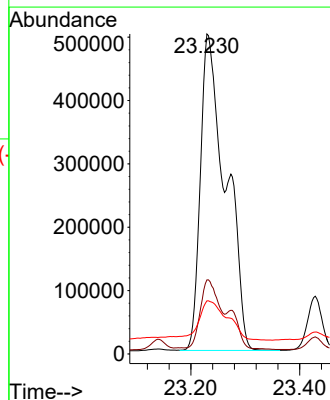
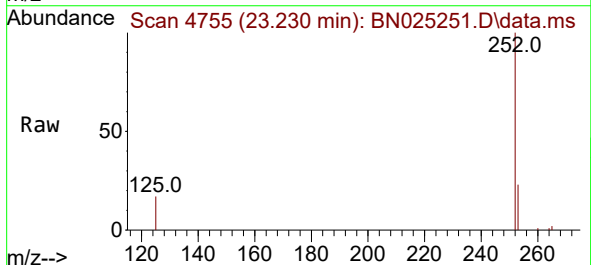
Tgt Ion:252 Resp: 1614986

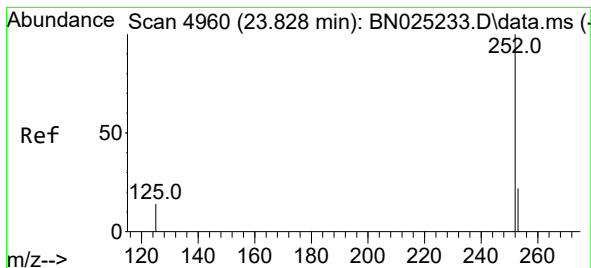
Ion Ratio Lower Upper

252 100

253 23.2 0.0 50.2

125 16.6 0.0 30.4





#26

Benzo(a)pyrene

Concen: 14.733 ng/ul

RT: 23.879 min Scan# 4977

Delta R.T. 0.051 min

Lab File: BN025251.D

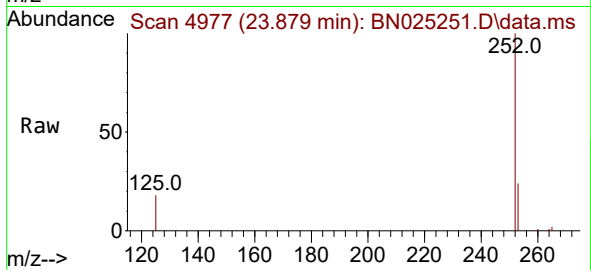
Acq: 03 May 2023 22:06

Instrument :

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ClientSampleId :

EW938



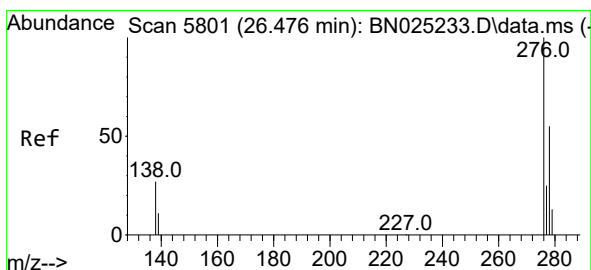
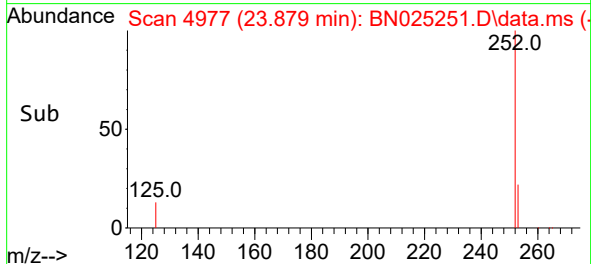
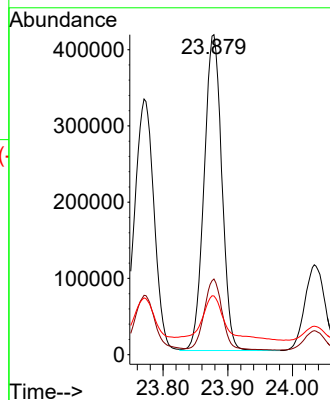
Tgt Ion:252 Resp: 785812

Ion Ratio Lower Upper

252 100

253 23.6 21.4 32.2

125 18.3 14.6 22.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 11.591 ng/ul

RT: 26.554 min Scan# 5824

Delta R.T. 0.078 min

Lab File: BN025251.D

Acq: 03 May 2023 22:06

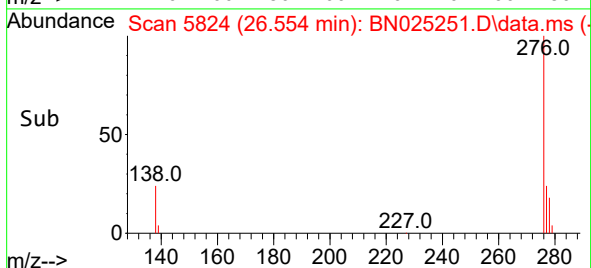
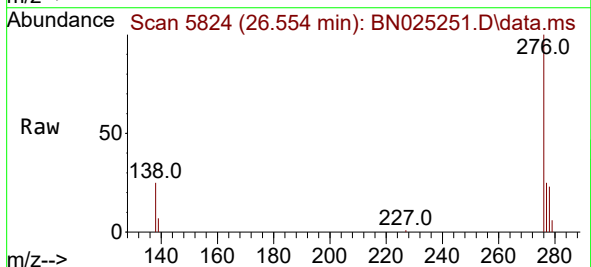
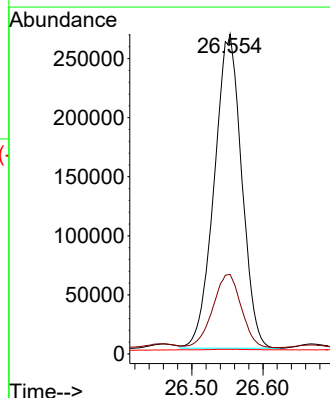
Tgt Ion:276 Resp: 712299

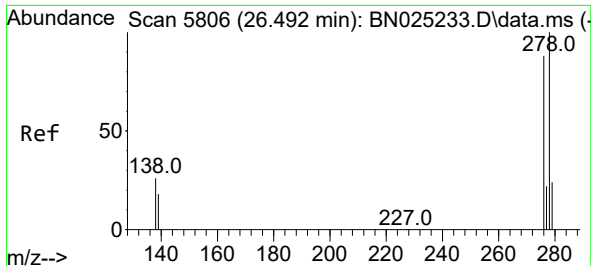
Ion Ratio Lower Upper

276 100

138 24.1 21.9 32.9

227 0.1 0.1 0.1#

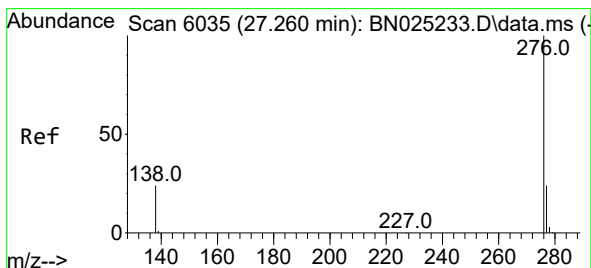
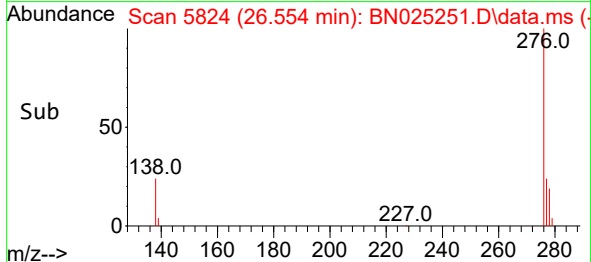
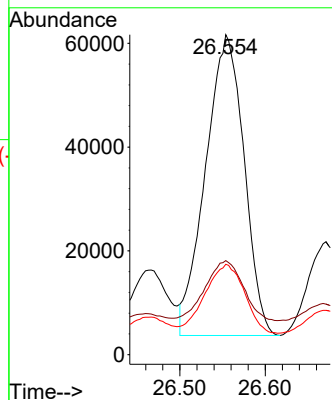
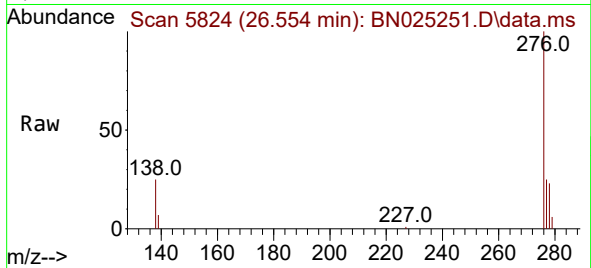




#28
Dibenzo(a,h)anthracene
Concen: 3.778 ng/ul
RT: 26.554 min Scan# 5806
Delta R.T. 0.061 min
Lab File: BN025251.D
Acq: 03 May 2023 22:06

Instrument :
BNA_N
ClientSampleId :
EW938

Tgt Ion:278 Resp: 181340
Ion Ratio Lower Upper
278 100
139 29.4 17.0 25.6#
279 28.3 21.8 32.8



#29
Benzo(g,h,i)perylene
Concen: 13.735 ng/ul
RT: 27.345 min Scan# 6060
Delta R.T. 0.085 min
Lab File: BN025251.D
Acq: 03 May 2023 22:06

Tgt Ion:276 Resp: 717684
Ion Ratio Lower Upper
276 100
138 26.0 20.3 30.5
277 25.0 19.8 29.6

