

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025239.D
 Acq On : 03 May 2023 14:55
 Operator : CG/JU
 Sample : 02447-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW936

Quant Time: May 04 04:29:24 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

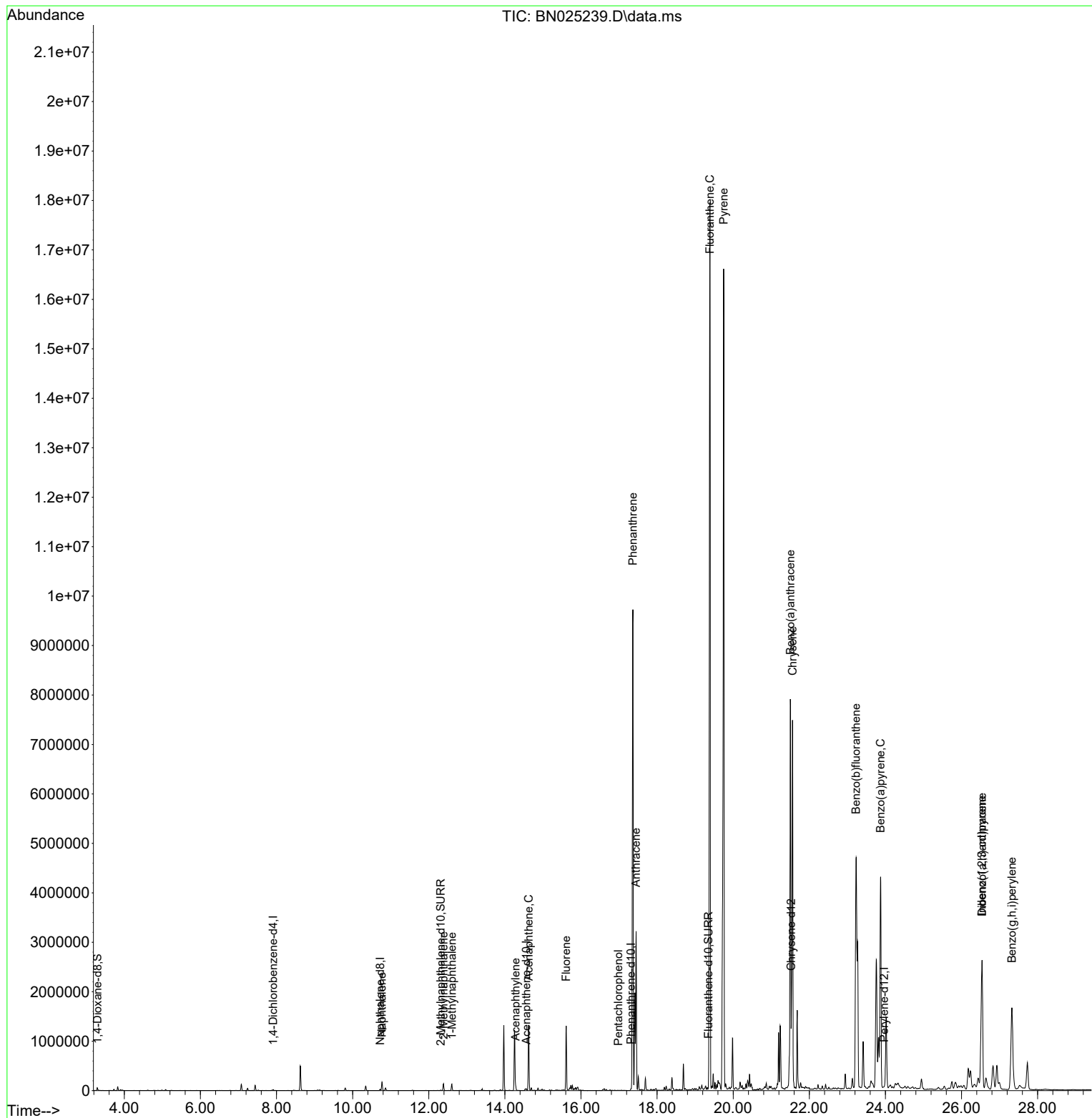
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	9664	0.400	ng/ul	0.00
4) Naphthalene-d8	10.721	136	31739	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.561	164	20151	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.313	188	41368	0.400	ng/ul	0.00
17) Chrysene-d12	21.520	240	30016	0.400	ng/ul	# 0.02
23) Perylene-d12	23.967	264	36147	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	33368	3.335	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.315	152	10782	0.265	ng/ul	0.00
18) Fluoranthene-d10	19.349	212	26181	0.331	ng/ul	0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.770	128	231891	2.851	ng/ul	100
7) 2-Methylnaphthalene	12.387	142	94565	1.898	ng/ul	100
8) 1-Methylnaphthalene	12.607	142	88312	1.663	ng/ul	100
10) Acenaphthylene	14.283	152	115426	1.538	ng/ul	98
11) Acenaphthene	14.626	153	750318	11.858	ng/ul	97
12) Fluorene	15.611	166	798326	11.285	ng/ul	100
14) Pentachlorophenol	16.984	266	957	0.118	ng/ul#	54
15) Phenanthrene	17.364	178	11317851	96.927	ng/ul	98
16) Anthracene	17.448	178	3226048	33.772	ng/ul	99
19) Fluoranthene	19.382	202	16039566	147.771	ng/ul#	85
20) Pyrene	19.749	202	14881877	133.443	ng/ul#	85
21) Benzo(a)anthracene	21.503	228	7566780	83.658	ng/ul	95
22) Chrysene	21.558	228	7658596	77.619	ng/ul	96
24) Benzo(b)fluoranthene	23.227	252	12101713	82.520	ng/ul	96
26) Benzo(a)pyrene	23.873	252	6231061	51.353	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.537	276	4282866	30.635	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.541	278	993999	9.102	ng/ul	97
29) Benzo(g,h,i)perylene	27.322	276	3739667	31.459	ng/ul	99

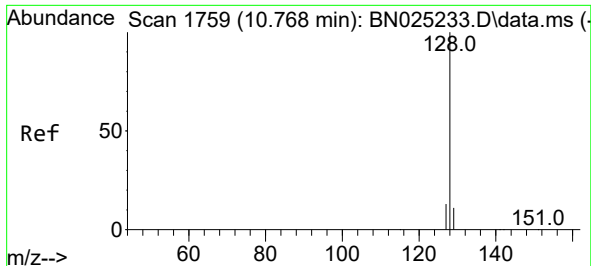
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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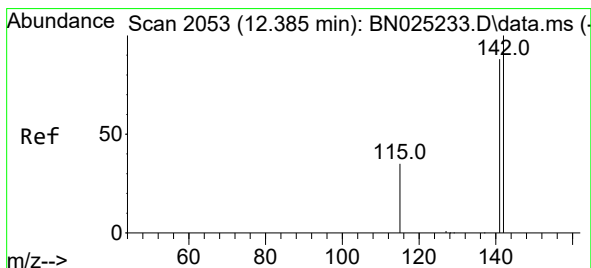
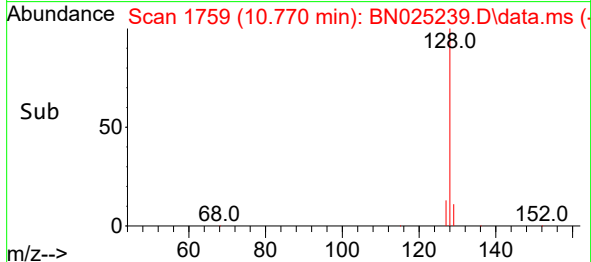
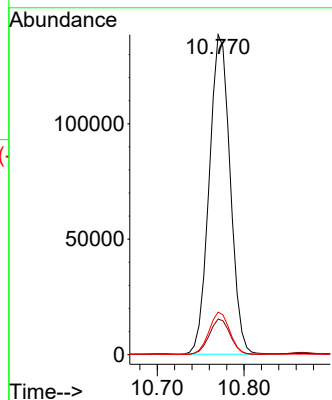
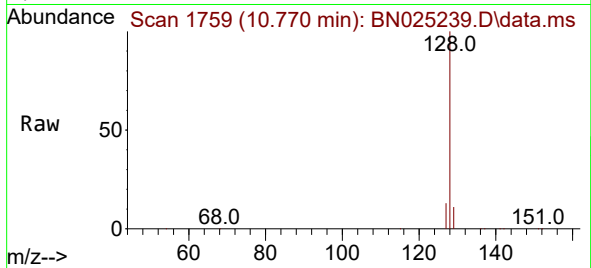




#5
Naphthalene
Concen: 2.851 ng/ul
RT: 10.770 min Scan# 1759
Delta R.T. 0.002 min
Lab File: BN025239.D
Acq: 03 May 2023 14:55

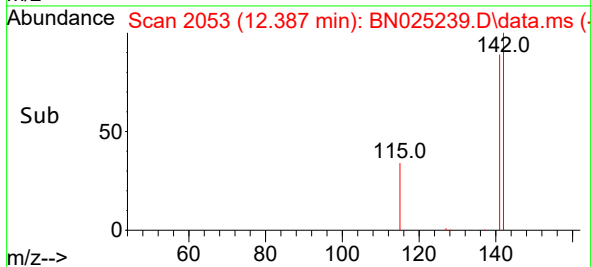
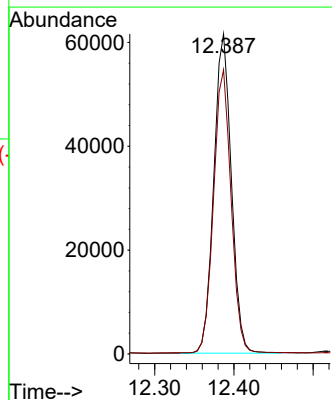
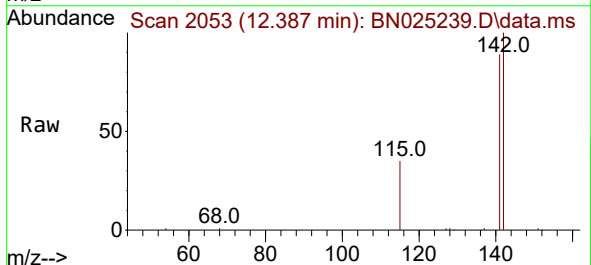
Instrument :
BNA_N
ClientSampleId :
EW936

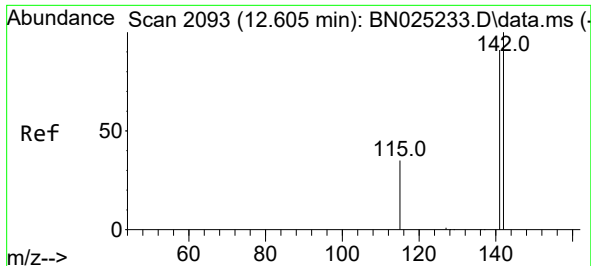
Tgt Ion:128 Resp: 231891
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.3 10.7 16.1



#7
2-Methylnaphthalene
Concen: 1.898 ng/ul
RT: 12.387 min Scan# 2053
Delta R.T. 0.002 min
Lab File: BN025239.D
Acq: 03 May 2023 14:55

Tgt Ion:142 Resp: 94565
Ion Ratio Lower Upper
142 100
141 89.0 71.4 107.0

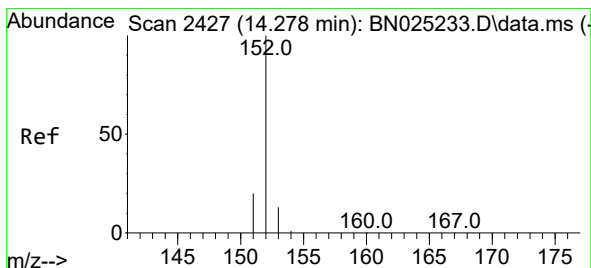
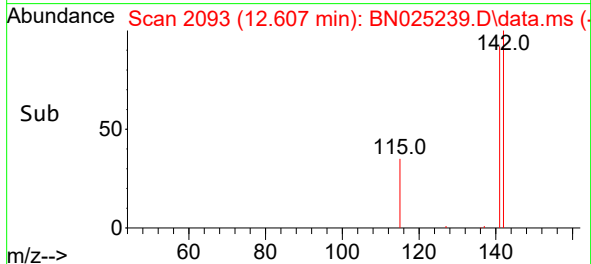
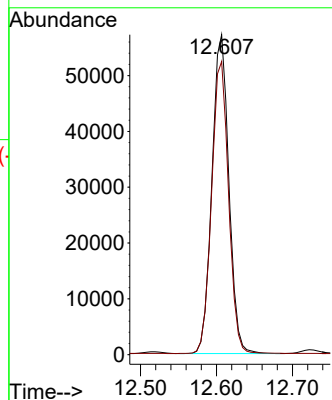
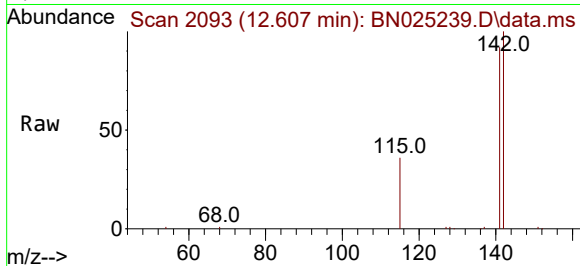




#8
1-Methylnaphthalene
Concen: 1.663 ng/ul
RT: 12.607 min Scan# 2093
Delta R.T. 0.002 min
Lab File: BN025239.D
Acq: 03 May 2023 14:55

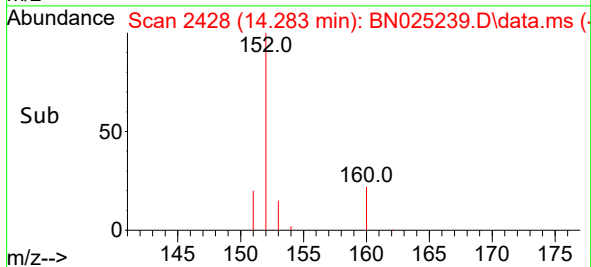
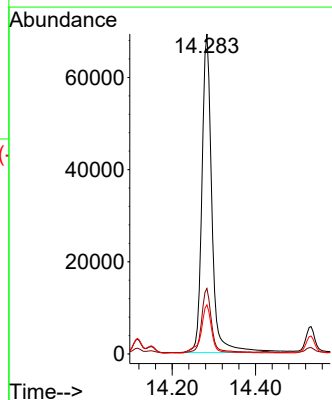
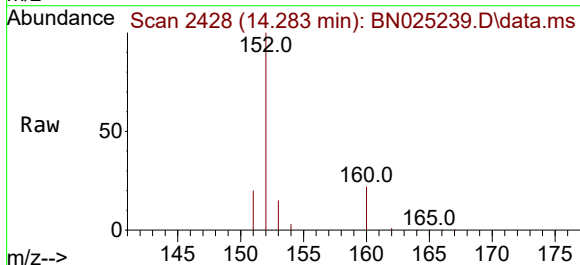
Instrument :
BNA_N
ClientSampleId :
EW936

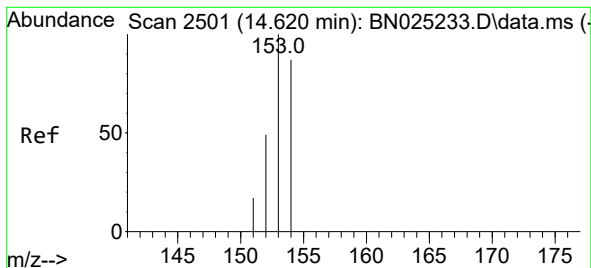
Tgt Ion:142 Resp: 88312
Ion Ratio Lower Upper
142 100
141 92.0 73.8 110.6



#10
Acenaphthylene
Concen: 1.538 ng/ul
RT: 14.283 min Scan# 2428
Delta R.T. 0.005 min
Lab File: BN025239.D
Acq: 03 May 2023 14:55

Tgt Ion:152 Resp: 115426
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 15.3 10.8 16.2





#11

Acenaphthene

Concen: 11.858 ng/ul

RT: 14.626 min Scan# 2501

Delta R.T. 0.005 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

Instrument :

BNA_N

ClientSampleId :

EW936

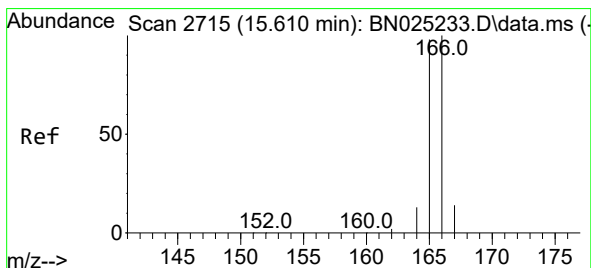
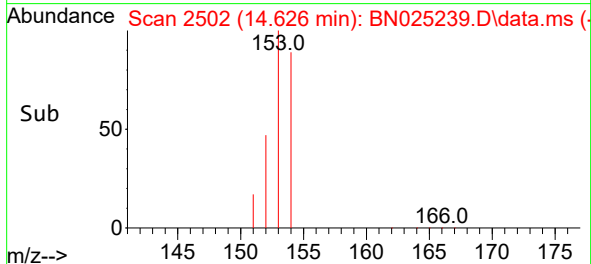
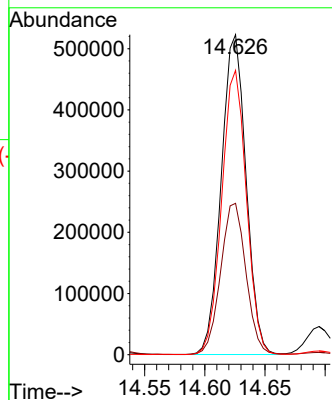
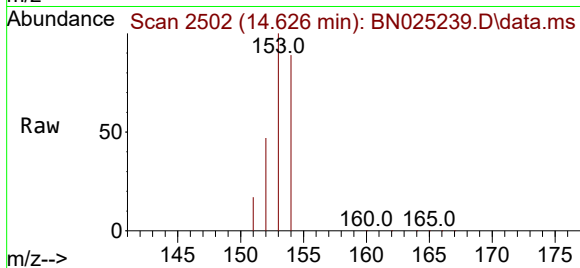
Tgt Ion:153 Resp: 750318

Ion Ratio Lower Upper

153 100

152 47.3 40.2 60.4

154 88.9 69.4 104.2



#12

Fluorene

Concen: 11.285 ng/ul

RT: 15.611 min Scan# 2715

Delta R.T. 0.001 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

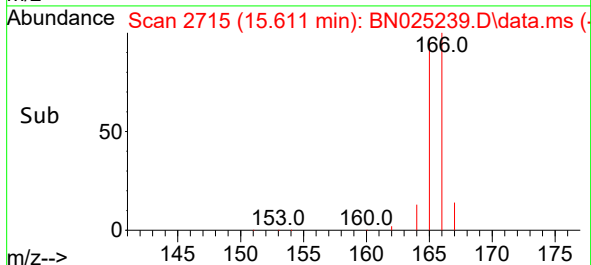
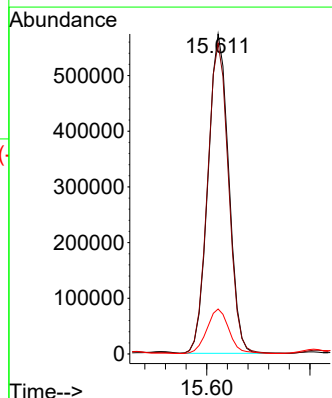
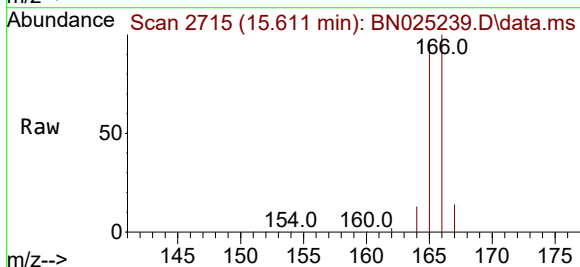
Tgt Ion:166 Resp: 798326

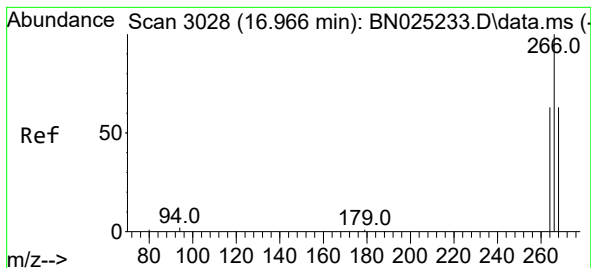
Ion Ratio Lower Upper

166 100

165 97.1 78.1 117.1

167 14.0 11.0 16.6





#14

Pentachlorophenol

Concen: 0.118 ng/ul

RT: 16.984 min Scan# 3028

Delta R.T. 0.018 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

Instrument :

BNA_N

ClientSampleId :

EW936

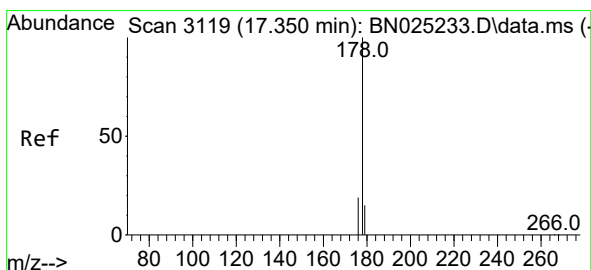
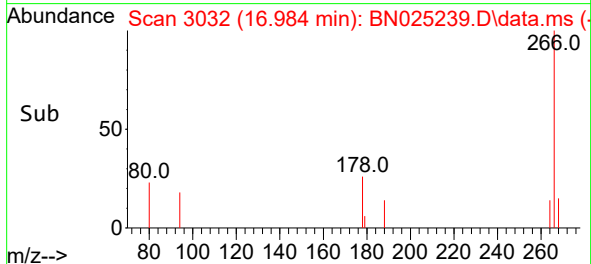
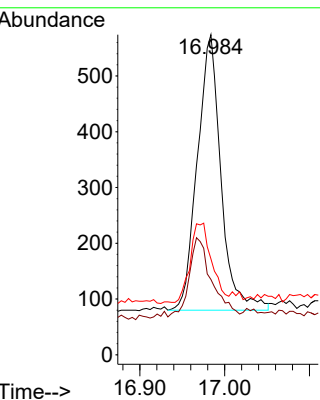
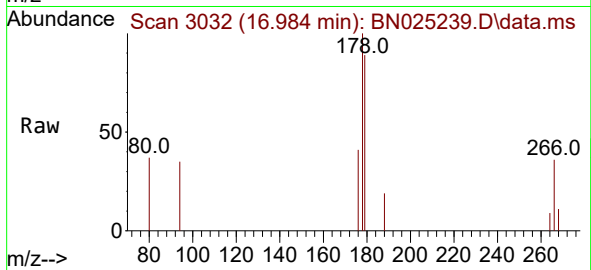
Tgt Ion:266 Resp: 957

Ion Ratio Lower Upper

266 100

264 27.6 49.6 74.4#

268 27.2 51.3 76.9#



#15

Phenanthrene

Concen: 96.927 ng/ul

RT: 17.364 min Scan# 3122

Delta R.T. 0.013 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

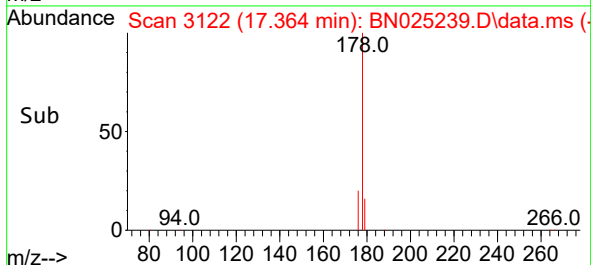
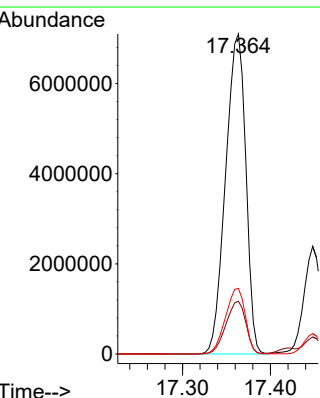
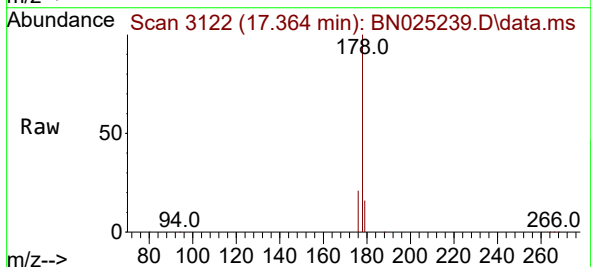
Tgt Ion:178 Resp:11317851

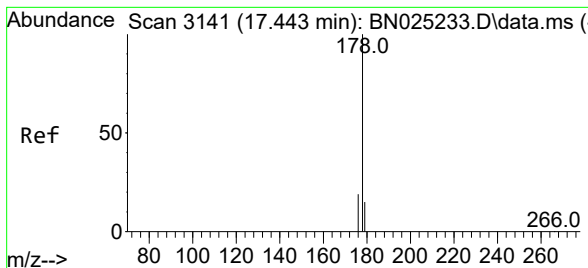
Ion Ratio Lower Upper

178 100

179 16.5 12.5 18.7

176 20.5 15.6 23.4





#16

Anthracene

Concen: 33.772 ng/ul

RT: 17.448 min Scan# 3141

Delta R.T. 0.005 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

Instrument :

BNA_N

ClientSampleId :

EW936

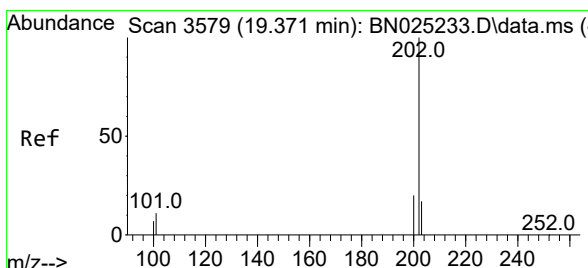
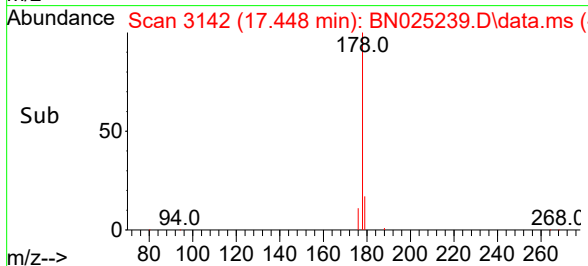
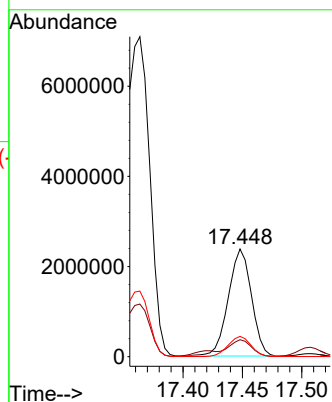
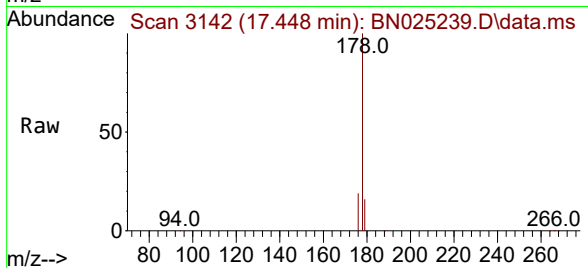
Tgt Ion:178 Resp: 3226048

Ion Ratio Lower Upper

178 100

179 15.7 12.7 19.1

176 18.9 15.3 22.9



#19

Fluoranthene

Concen: 147.771 ng/ul

RT: 19.382 min Scan# 3581

Delta R.T. 0.011 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

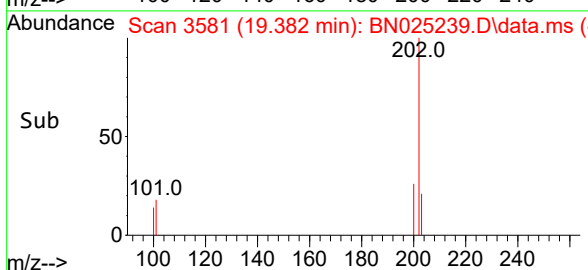
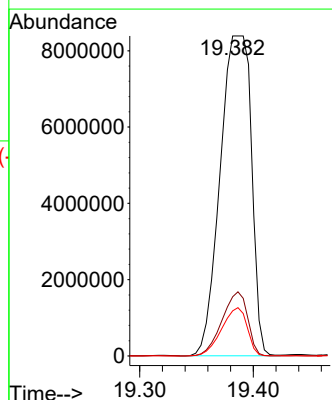
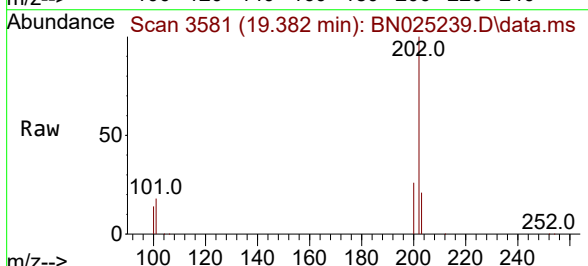
Tgt Ion:202 Resp:16039566

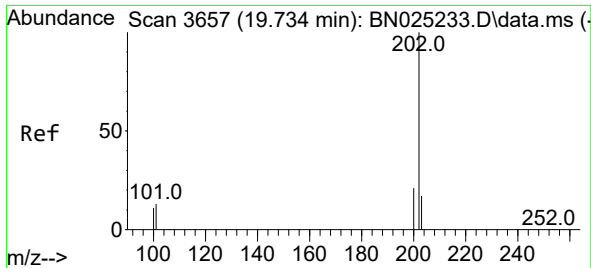
Ion Ratio Lower Upper

202 100

101 18.5 9.7 14.5#

100 14.1 7.3 10.9#

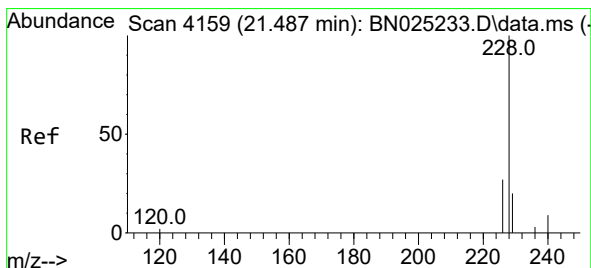
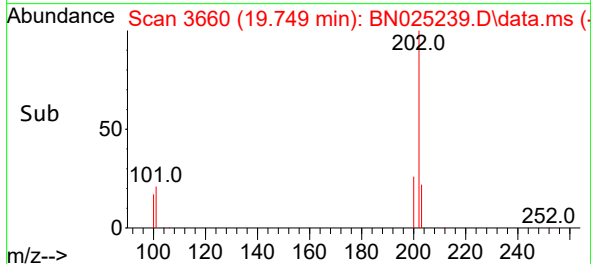
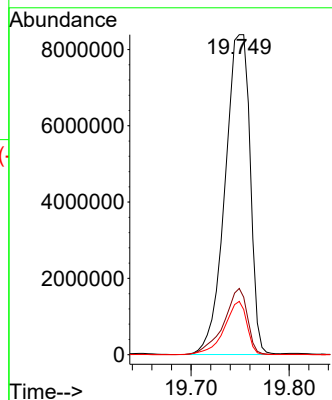
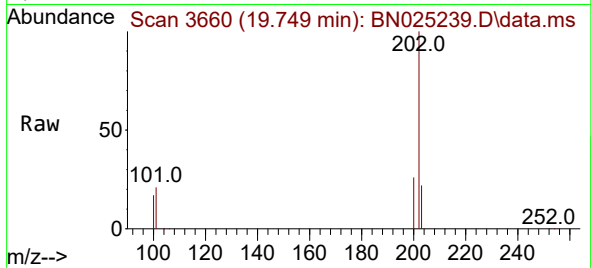




#20
Pyrene
Concen: 133.443 ng/ul
RT: 19.749 min Scan# 3660
Delta R.T. 0.015 min
Lab File: BN025239.D
Acq: 03 May 2023 14:55

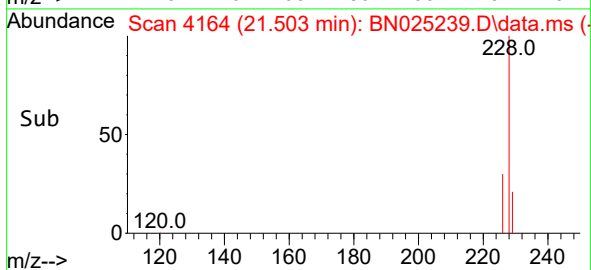
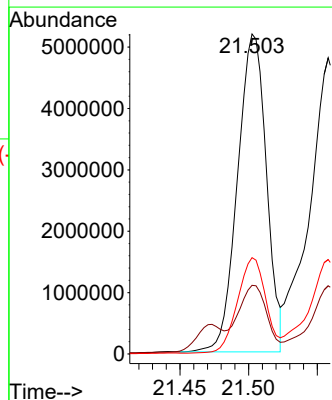
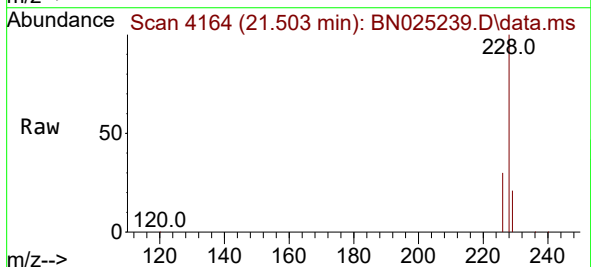
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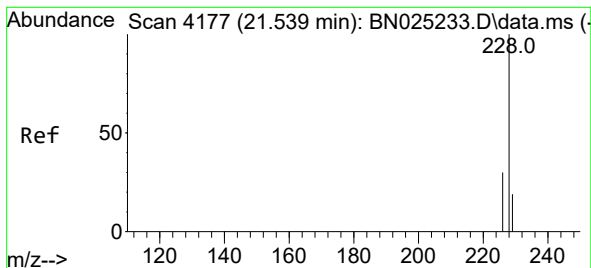
Tgt Ion:202 Resp:14881877
Ion Ratio Lower Upper
202 100
101 20.7 11.3 16.9#
100 16.7 9.2 13.8#



#21
Benzo(a)anthracene
Concen: 83.658 ng/ul
RT: 21.503 min Scan# 4164
Delta R.T. 0.016 min
Lab File: BN025239.D
Acq: 03 May 2023 14:55

Tgt Ion:228 Resp: 7566780
Ion Ratio Lower Upper
228 100
229 21.4 15.6 23.4
226 30.1 22.1 33.1





#22

Chrysene

Concen: 77.619 ng/ul

RT: 21.558 min Scan# 41

Delta R.T. 0.019 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

Instrument :

BNA_N

ClientSampleId :

EW936

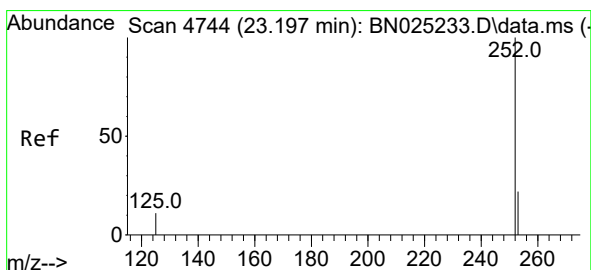
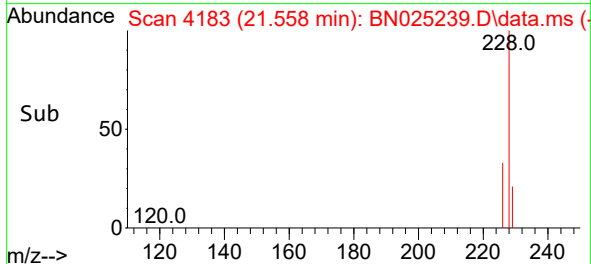
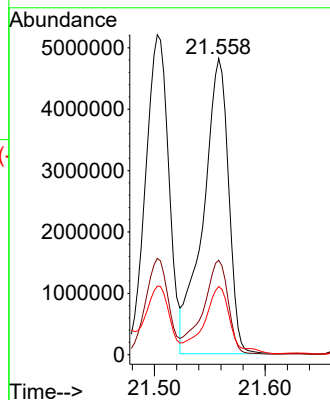
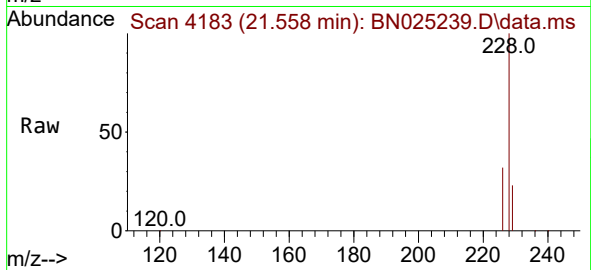
Tgt Ion:228 Resp: 7658596

Ion Ratio Lower Upper

228 100

226 31.9 24.5 36.7

229 23.0 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 82.520 ng/ul

RT: 23.227 min Scan# 4754

Delta R.T. 0.030 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

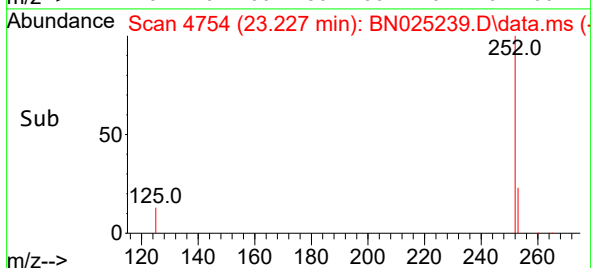
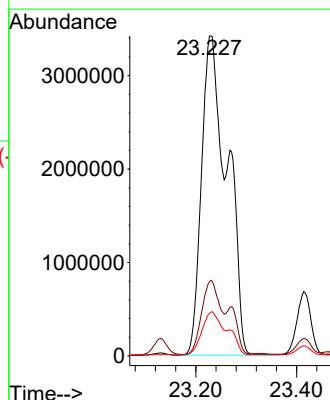
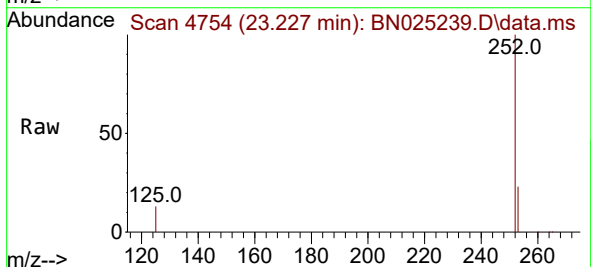
Tgt Ion:252 Resp:12101713

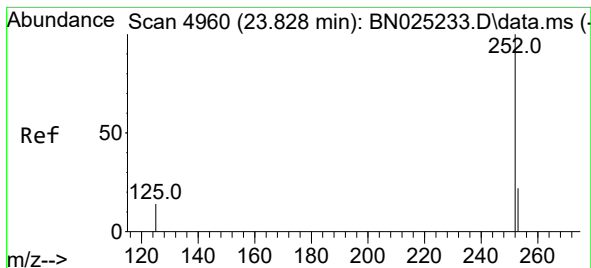
Ion Ratio Lower Upper

252 100

253 23.2 0.0 50.2

125 13.3 0.0 30.4





#26

Benzo(a)pyrene

Concen: 51.353 ng/ul

RT: 23.873 min Scan# 4960

Delta R.T. 0.045 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

Instrument :

BNA_N

ClientSampleId :

EW936

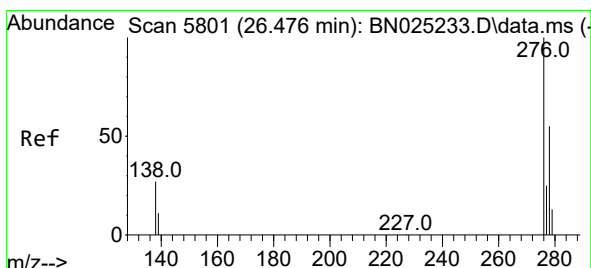
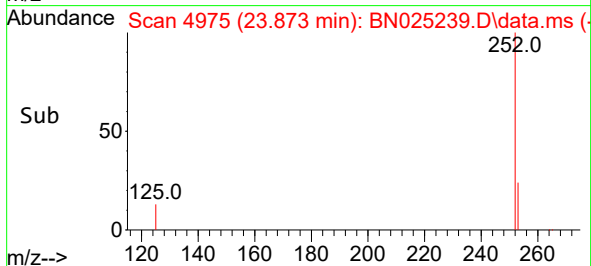
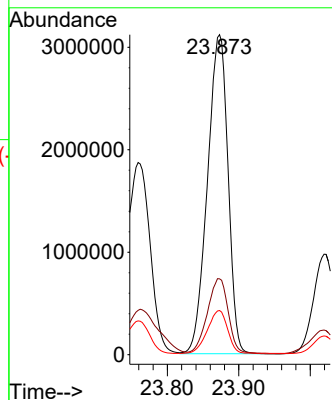
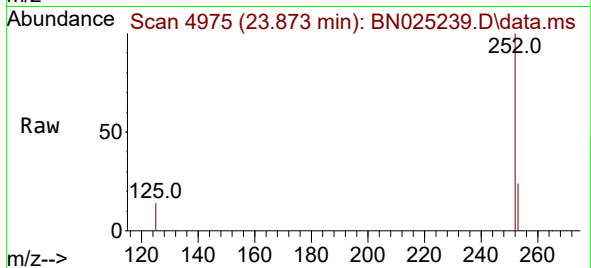
Tgt Ion:252 Resp: 6231061

Ion Ratio Lower Upper

252 100

253 23.7 21.4 32.2

125 13.8 14.6 22.0#



#27

Indeno(1,2,3-cd)pyrene

Concen: 30.635 ng/ul

RT: 26.537 min Scan# 5819

Delta R.T. 0.062 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

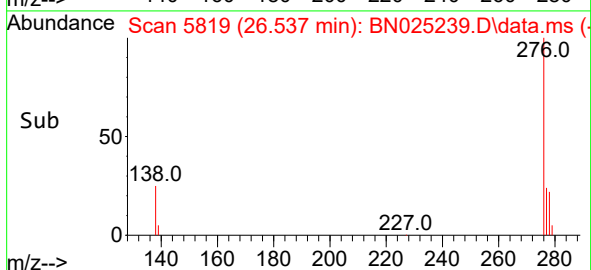
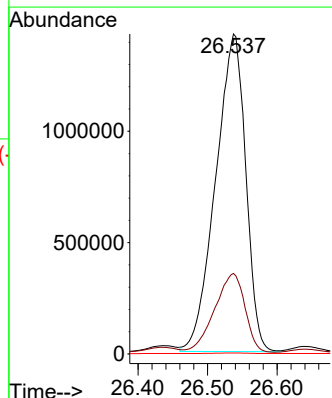
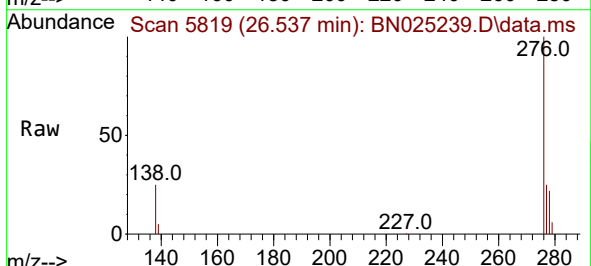
Tgt Ion:276 Resp: 4282866

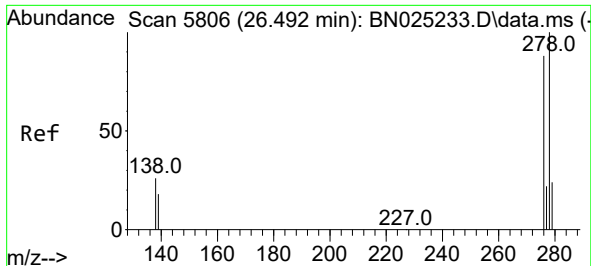
Ion Ratio Lower Upper

276 100

138 24.9 21.9 32.9

227 0.3 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 9.102 ng/ul

RT: 26.541 min Scan# 5820

Delta R.T. 0.048 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

Instrument :

BNA_N

ClientSampleId :

EW936

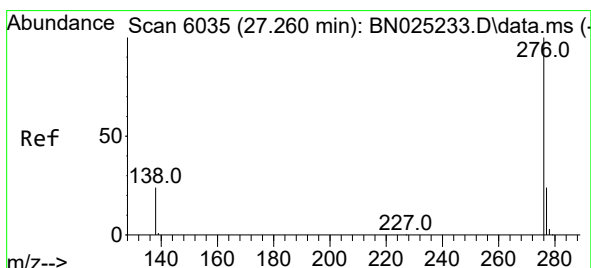
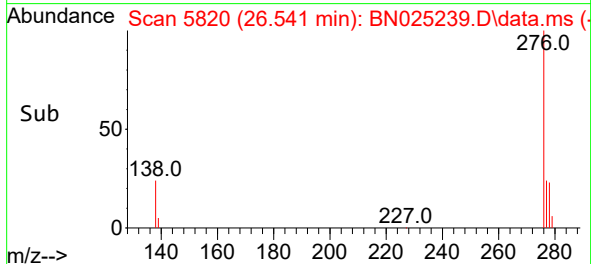
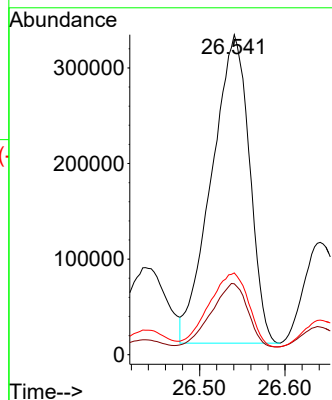
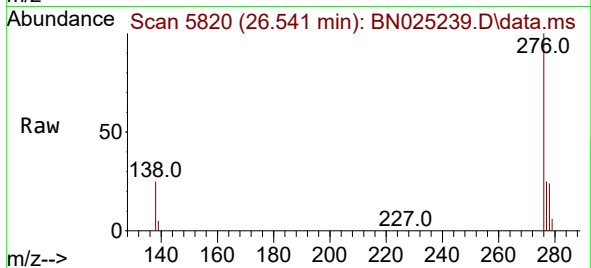
Tgt Ion:278 Resp: 993999

Ion Ratio Lower Upper

278 100

139 22.1 17.0 25.6

279 25.6 21.8 32.8



#29

Benzo(g,h,i)perylene

Concen: 31.459 ng/ul

RT: 27.322 min Scan# 6053

Delta R.T. 0.062 min

Lab File: BN025239.D

Acq: 03 May 2023 14:55

Tgt Ion:276 Resp: 3739667

Ion Ratio Lower Upper

276 100

138 25.1 20.3 30.5

277 24.3 19.8 29.6

