

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050223\
 Data File : BN025221.D
 Acq On : 02 May 2023 15:36
 Operator : CG/JU
 Sample : 02419-36
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW931

Quant Time: May 03 02:29:38 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 : Tue May 02 16:21:17 2023
 Response via : Initial Calibration

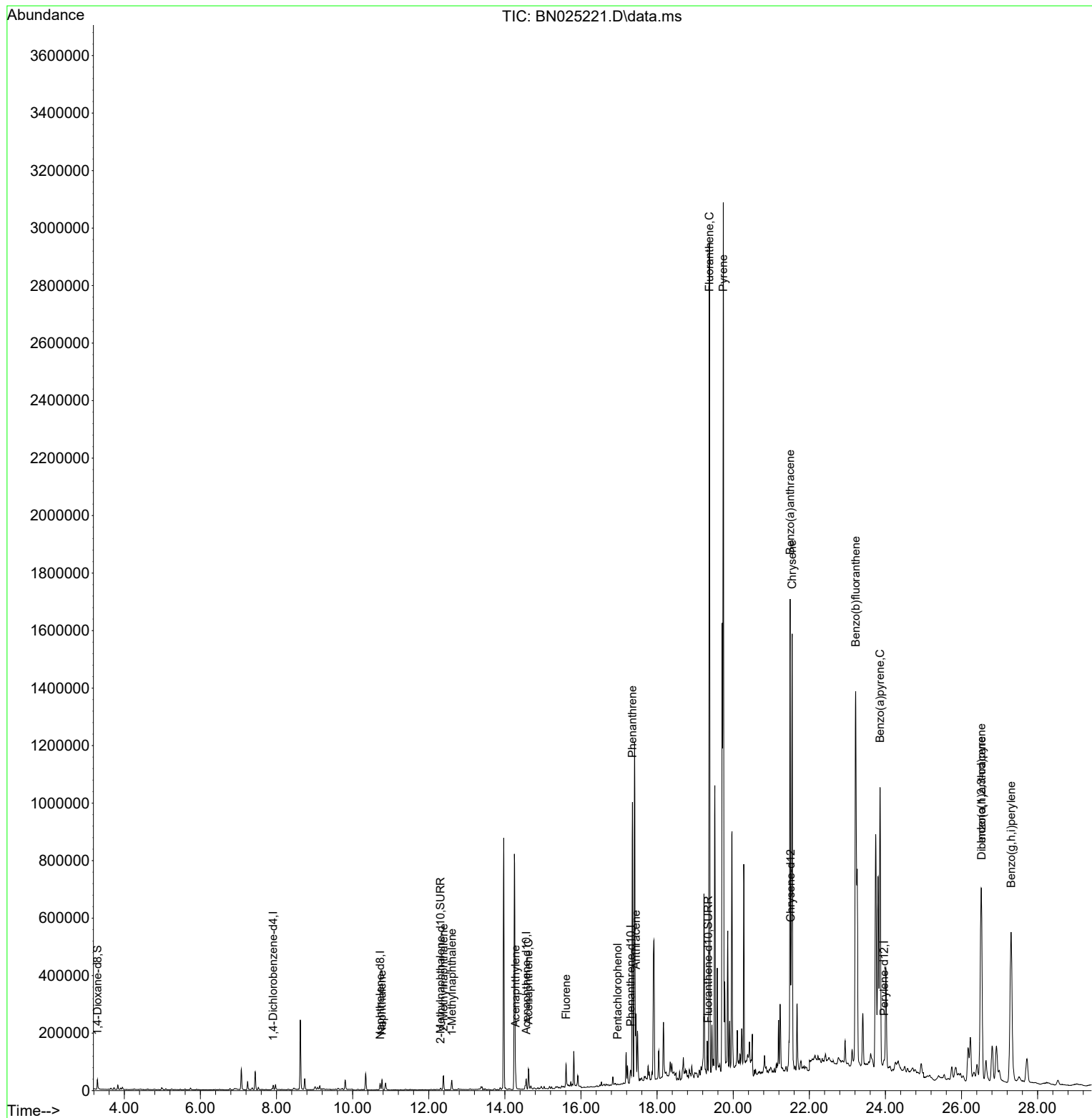
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	7851	0.400	ng/ul	0.00
4) Naphthalene-d8	10.721	136	28395	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.561	164	19015	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.309	188	70977	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.511	240	34020	0.400	ng/ul	# 0.00
23) Perylene-d12	23.964	264	25984	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	20113	2.474	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.310	152	7347	0.201	ng/ul	0.00
18) Fluoranthene-d10	19.345	212	16654	0.186	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.770	128	45079	0.620	ng/ul	99
7) 2-Methylnaphthalene	12.387	142	33961	0.762	ng/ul	99
8) 1-Methylnaphthalene	12.607	142	22698	0.478	ng/ul	100
10) Acenaphthylene	14.283	152	65120	0.919	ng/ul	97
11) Acenaphthene	14.621	153	41132	0.689	ng/ul	99
12) Fluorene	15.607	166	51478	0.771	ng/ul#	95
14) Pentachlorophenol	16.963	266	1232	0.088	ng/ul	90
15) Phenanthrene	17.351	178	994130	4.962	ng/ul	100
16) Anthracene	17.444	178	247831	1.512	ng/ul	98
19) Fluoranthene	19.373	202	2476269	20.129	ng/ul	98
20) Pyrene	19.740	202	2343284	18.539	ng/ul	98
21) Benzo(a)anthracene	21.497	228	1385324	13.513	ng/ul	97
22) Chrysene	21.549	228	1544579	13.812	ng/ul	97
24) Benzo(b)fluoranthene	23.218	252	2940511	27.893	ng/ul	96
26) Benzo(a)pyrene	23.859	252	1398030	16.028	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.517	276	1235262	12.292	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.527	278	297169	3.786	ng/ul#	91
29) Benzo(g,h,i)perylene	27.302	276	1329011	15.553	ng/ul	98

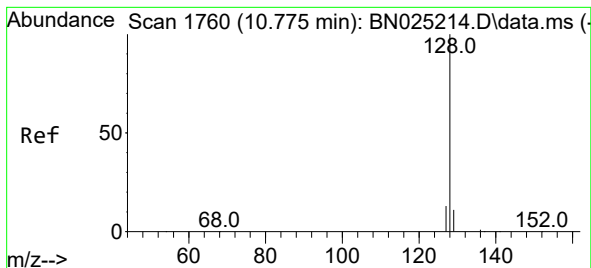
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.620 ng/ul

RT: 10.770 min Scan# 1760

Delta R.T. -0.005 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

Instrument :

BNA_N

ClientSampleId :

EW931

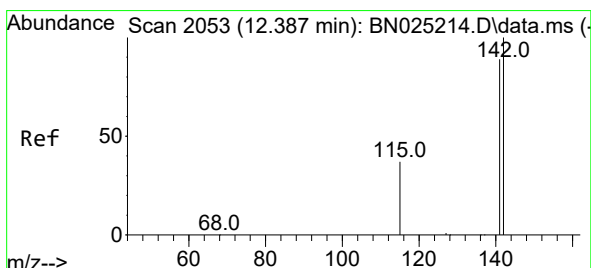
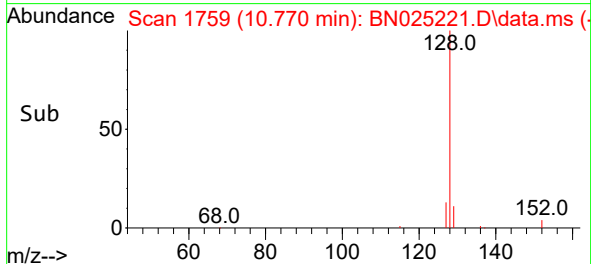
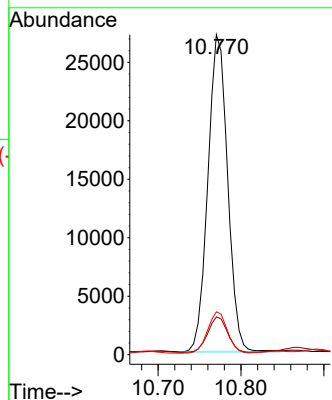
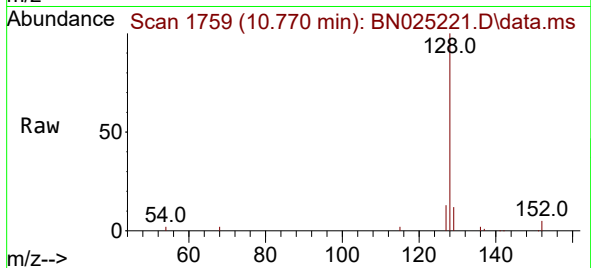
Tgt Ion:128 Resp: 45079

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

127 13.4 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.762 ng/ul

RT: 12.387 min Scan# 2053

Delta R.T. 0.000 min

Lab File: BN025221.D

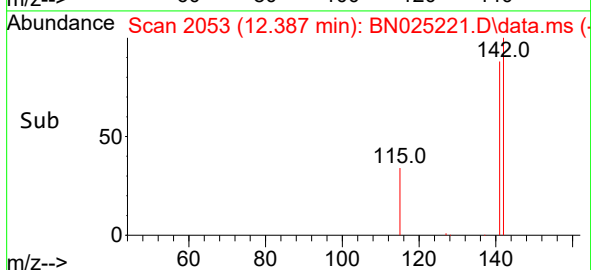
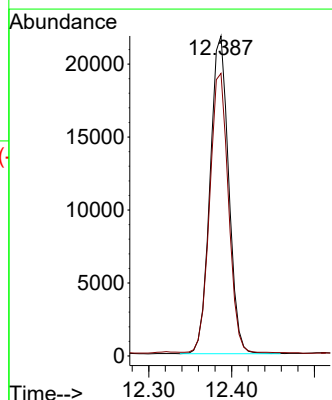
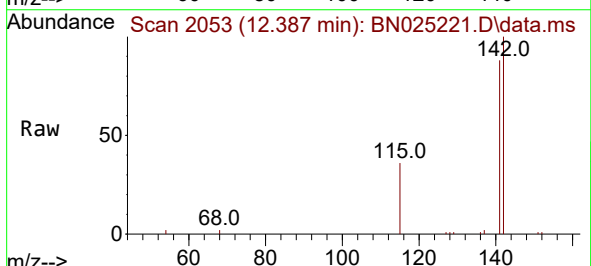
Acq: 02 May 2023 15:36

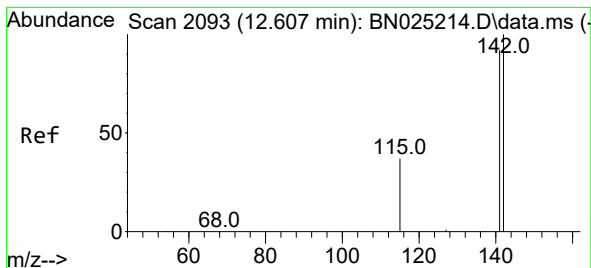
Tgt Ion:142 Resp: 33961

Ion Ratio Lower Upper

142 100

141 88.2 71.4 107.0





#8

1-Methylnaphthalene

Concen: 0.478 ng/ul

RT: 12.607 min Scan# 2093

Delta R.T. 0.000 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

Instrument :

BNA_N

ClientSampleId :

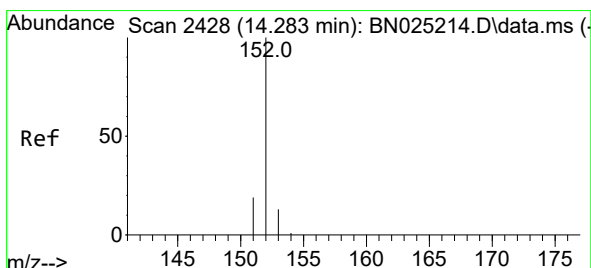
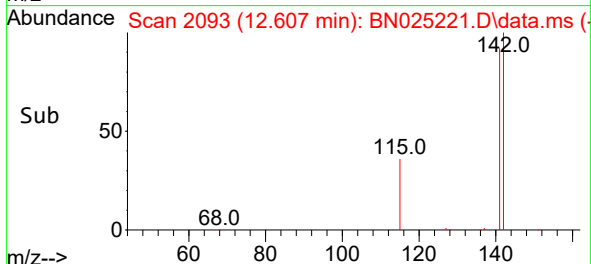
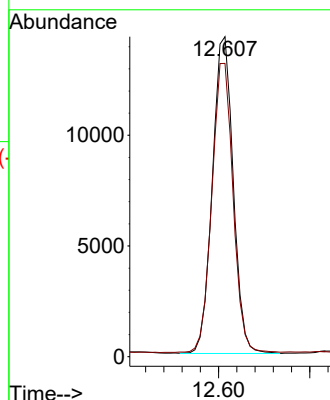
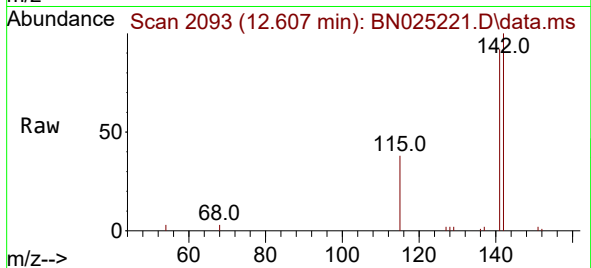
EW931

Tgt Ion:142 Resp: 22698

Ion Ratio Lower Upper

142 100

141 92.7 73.8 110.6



#10

Acenaphthylene

Concen: 0.919 ng/ul

RT: 14.283 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

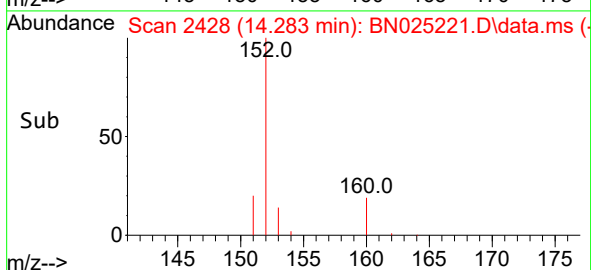
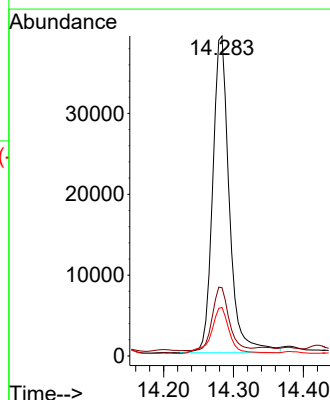
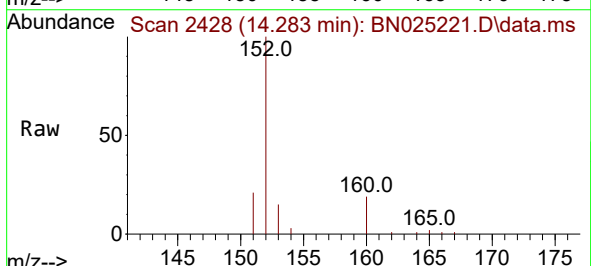
Tgt Ion:152 Resp: 65120

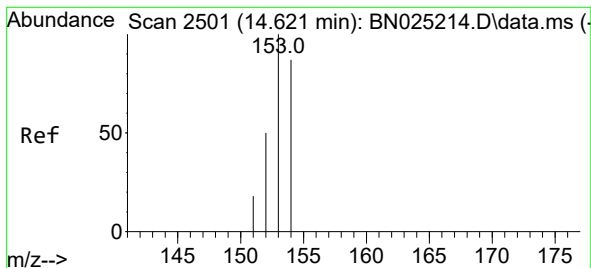
Ion Ratio Lower Upper

152 100

151 21.4 16.0 24.0

153 15.2 10.8 16.2





#11

Acenaphthene

Concen: 0.689 ng/ul

RT: 14.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

Instrument :

BNA_N

ClientSampleId :

EW931

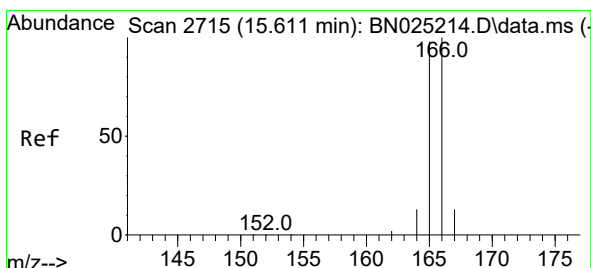
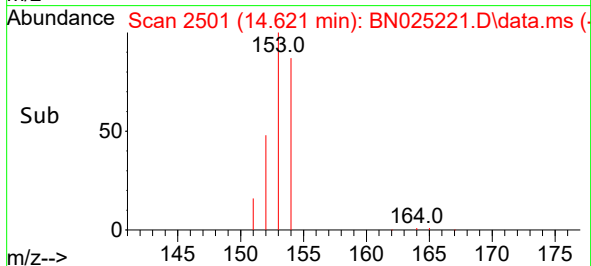
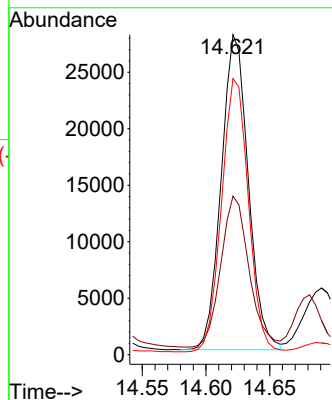
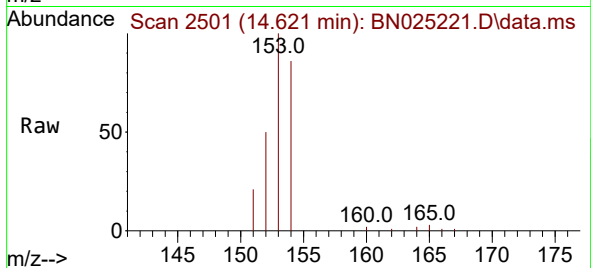
Tgt Ion:153 Resp: 41132

Ion Ratio Lower Upper

153 100

152 49.5 40.2 60.4

154 86.3 69.4 104.2



#12

Fluorene

Concen: 0.771 ng/ul

RT: 15.607 min Scan# 2714

Delta R.T. -0.004 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

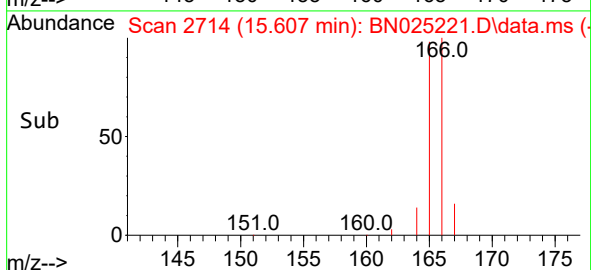
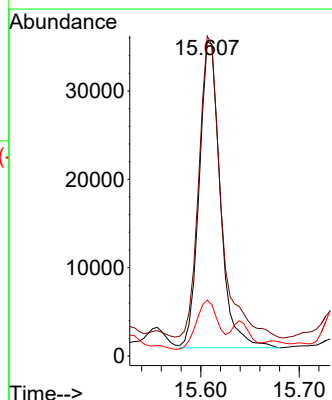
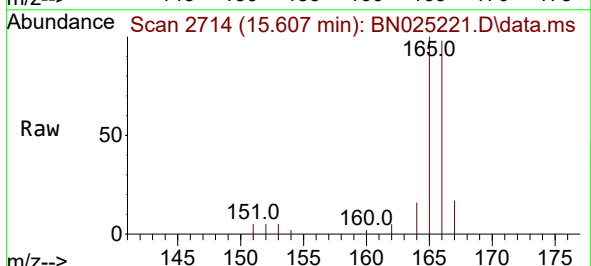
Tgt Ion:166 Resp: 51478

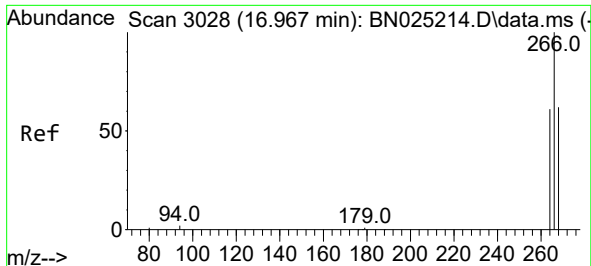
Ion Ratio Lower Upper

166 100

165 101.8 78.1 117.1

167 17.8 11.0 16.6#

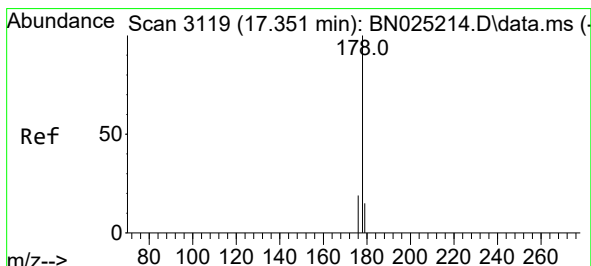
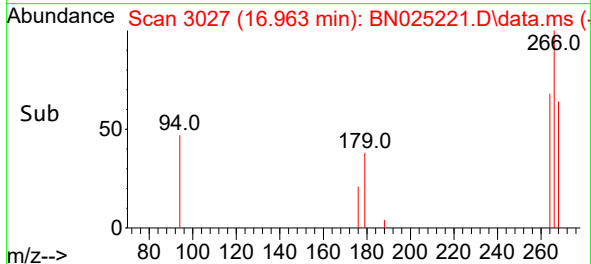
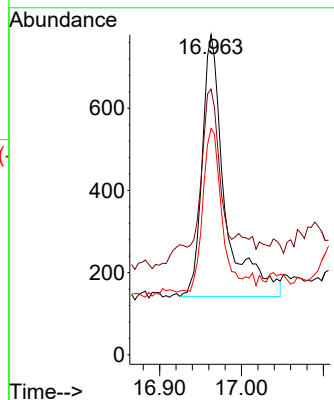
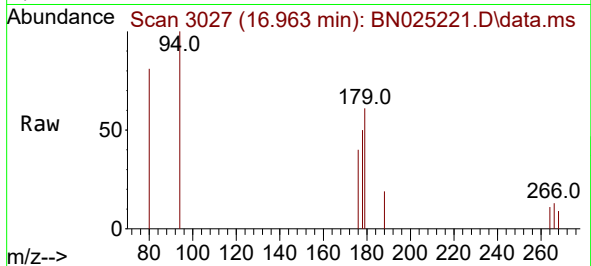




#14
Pentachlorophenol
Concen: 0.088 ng/ul
RT: 16.963 min Scan# 3027
Delta R.T. -0.004 min
Lab File: BN025221.D
Acq: 02 May 2023 15:36

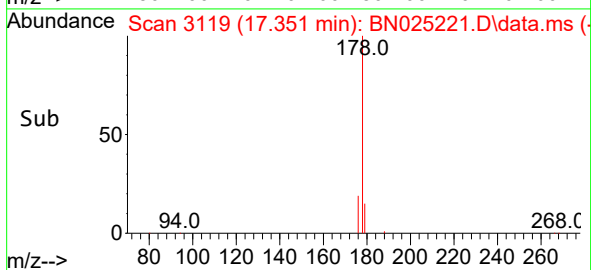
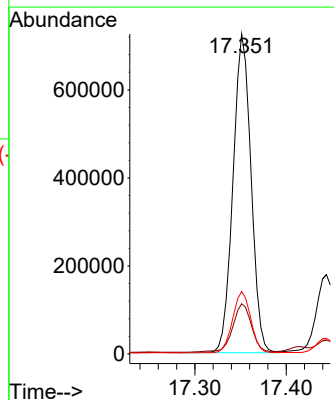
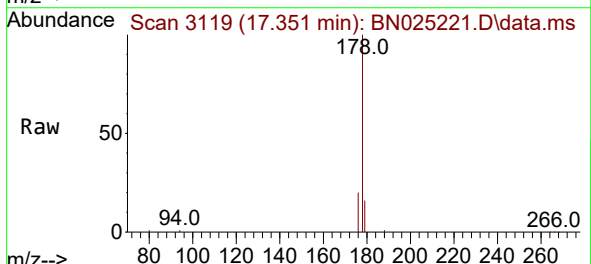
Instrument :
BNA_N
ClientSampleId :
EW931

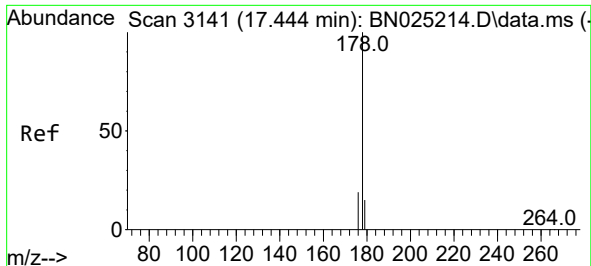
Tgt Ion:266 Resp: 1232
Ion Ratio Lower Upper
266 100
264 55.4 49.6 74.4
268 55.0 51.3 76.9



#15
Phenanthrene
Concen: 4.962 ng/ul
RT: 17.351 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BN025221.D
Acq: 02 May 2023 15:36

Tgt Ion:178 Resp: 994130
Ion Ratio Lower Upper
178 100
179 15.7 12.5 18.7
176 19.5 15.6 23.4

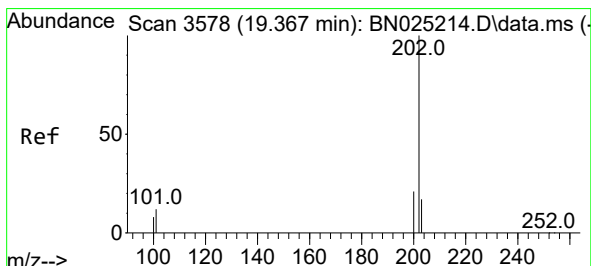
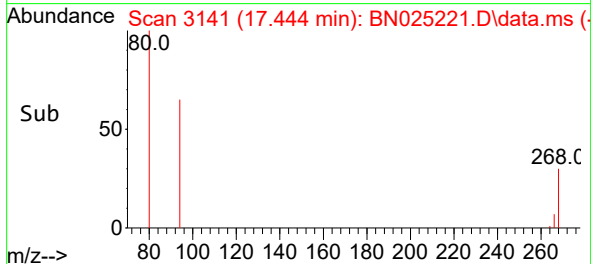
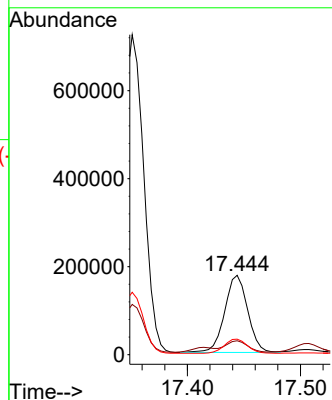
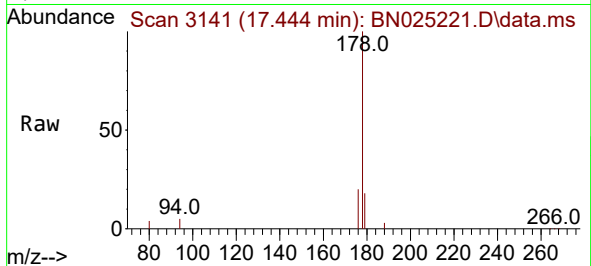




#16
 Anthracene
 Concen: 1.512 ng/ul
 RT: 17.444 min Scan# 3141
 Delta R.T. 0.000 min
 Lab File: BN025221.D
 Acq: 02 May 2023 15:36

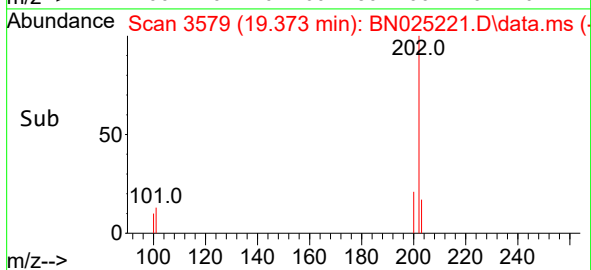
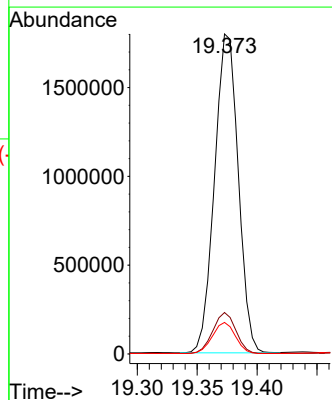
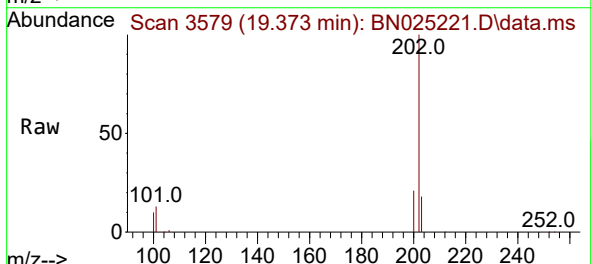
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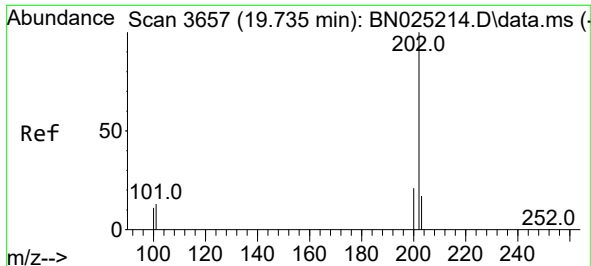
Tgt Ion:178 Resp: 247831
 Ion Ratio Lower Upper
 178 100
 179 17.5 12.7 19.1
 176 19.6 15.3 22.9



#19
 Fluoranthene
 Concen: 20.129 ng/ul
 RT: 19.373 min Scan# 3579
 Delta R.T. 0.005 min
 Lab File: BN025221.D
 Acq: 02 May 2023 15:36

Tgt Ion:202 Resp: 2476269
 Ion Ratio Lower Upper
 202 100
 101 12.9 9.7 14.5
 100 9.9 7.3 10.9

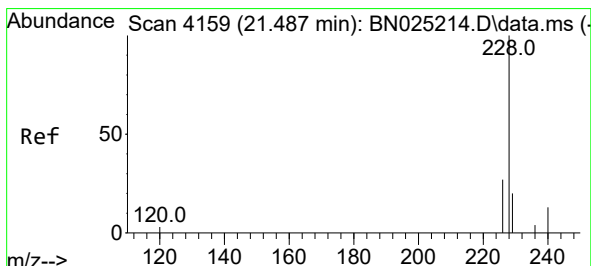
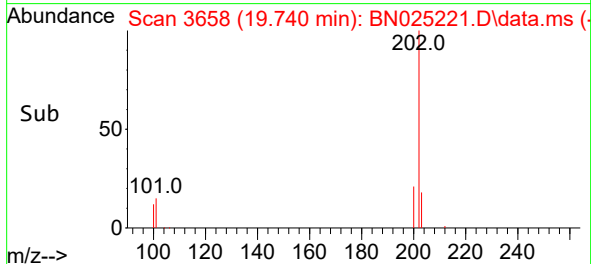
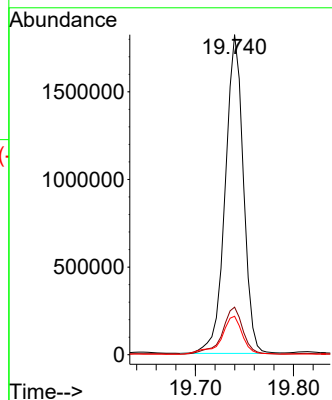
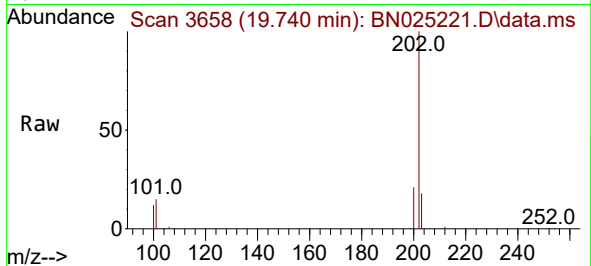




#20
Pyrene
Concen: 18.539 ng/ul
RT: 19.740 min Scan# 3657
Delta R.T. 0.005 min
Lab File: BN025221.D
Acq: 02 May 2023 15:36

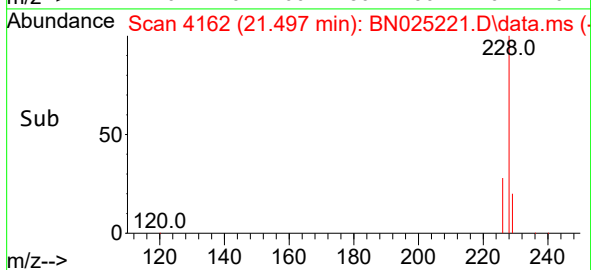
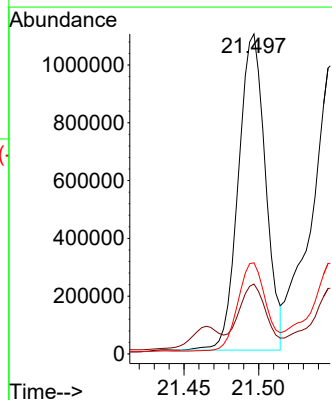
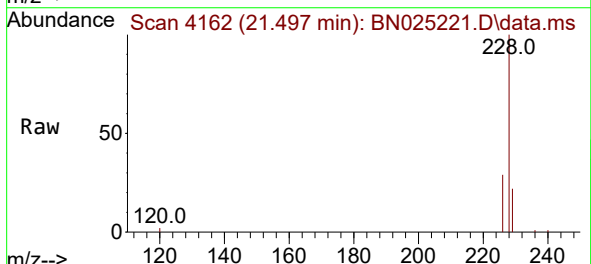
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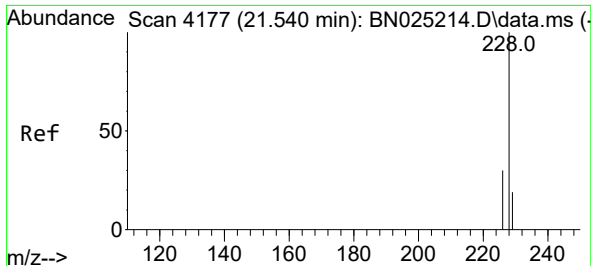
Tgt Ion:202 Resp: 2343284
Ion Ratio Lower Upper
202 100
101 14.9 11.3 16.9
100 12.0 9.2 13.8



#21
Benzo(a)anthracene
Concen: 13.513 ng/ul
RT: 21.497 min Scan# 4162
Delta R.T. 0.009 min
Lab File: BN025221.D
Acq: 02 May 2023 15:36

Tgt Ion:228 Resp: 1385324
Ion Ratio Lower Upper
228 100
229 21.9 15.6 23.4
226 28.5 22.1 33.1





#22

Chrysene

Concen: 13.812 ng/ul

RT: 21.549 min Scan# 41

Delta R.T. 0.009 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

Instrument :

BNA_N

ClientSampleId :

EW931

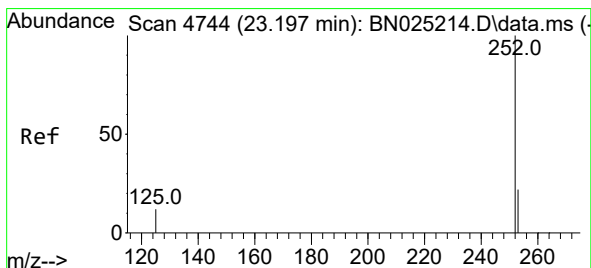
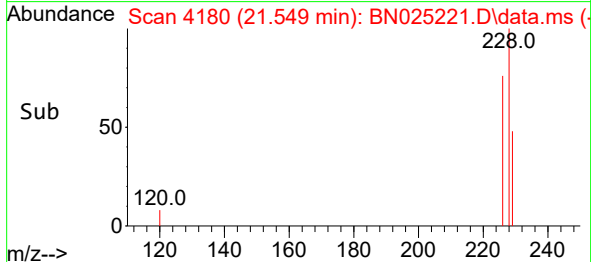
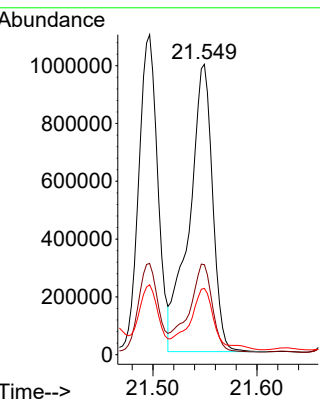
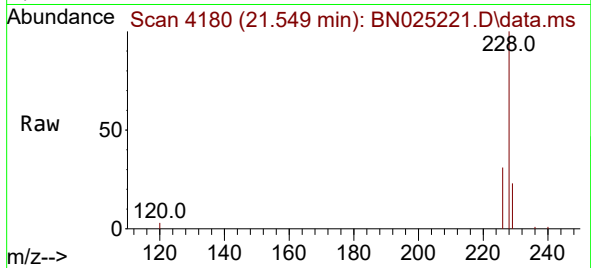
Tgt Ion:228 Resp: 1544579

Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

229 22.8 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 27.893 ng/ul

RT: 23.218 min Scan# 4751

Delta R.T. 0.021 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

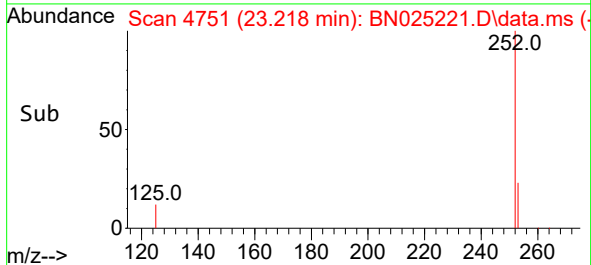
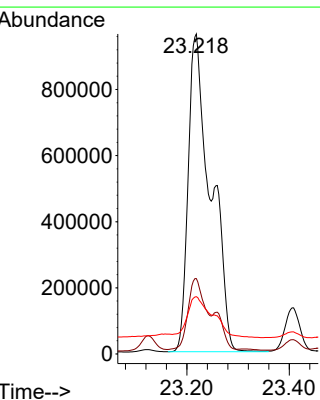
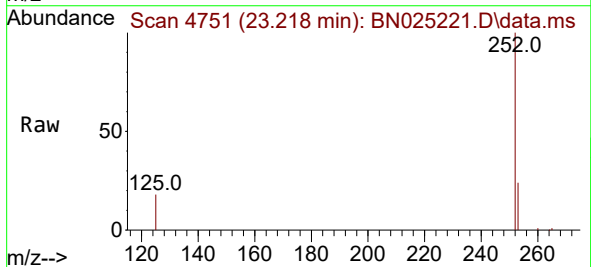
Tgt Ion:252 Resp: 2940511

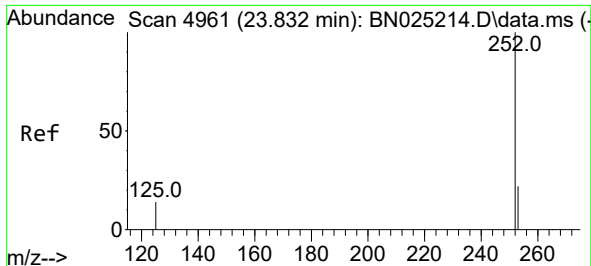
Ion Ratio Lower Upper

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253 23.6 0.0 50.2

125 17.9 0.0 30.4

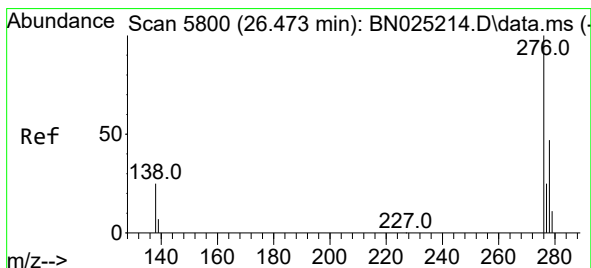
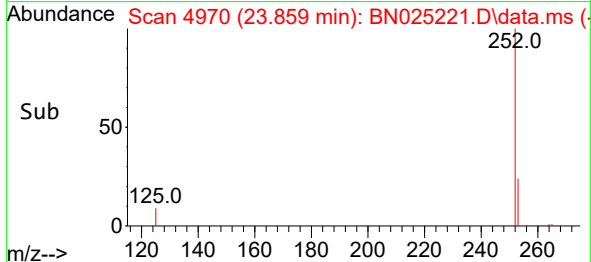
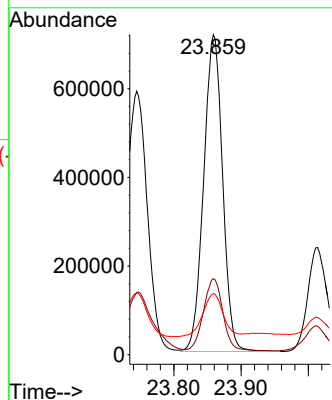
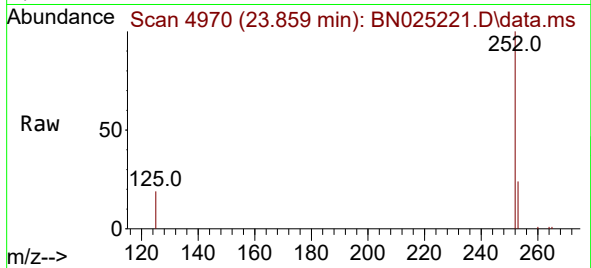




#26
Benzo(a)pyrene
Concen: 16.028 ng/ul
RT: 23.859 min Scan# 4961
Delta R.T. 0.027 min
Lab File: BN025221.D
Acq: 02 May 2023 15:36

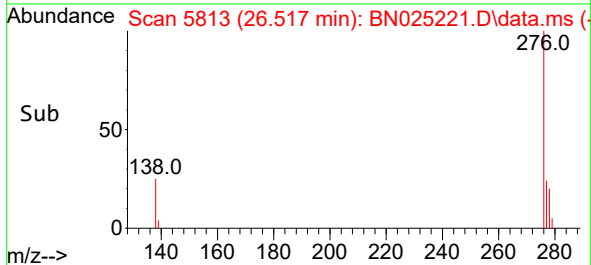
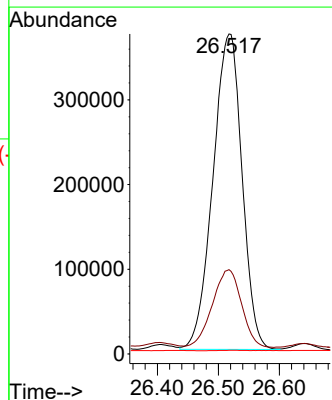
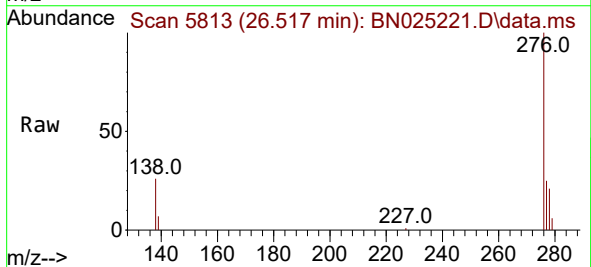
Instrument :
BNA_N
ClientSampleId :
EW931

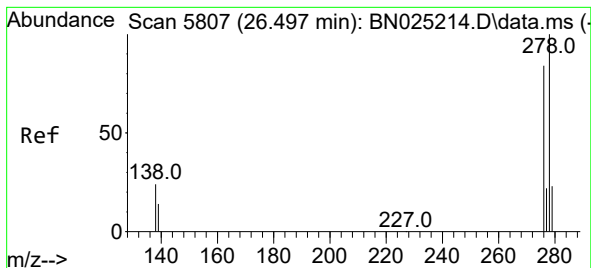
Tgt Ion:252 Resp: 1398030
Ion Ratio Lower Upper
252 100
253 23.8 21.4 32.2
125 19.1 14.6 22.0



#27
Indeno(1,2,3-cd)pyrene
Concen: 12.292 ng/ul
RT: 26.517 min Scan# 5813
Delta R.T. 0.044 min
Lab File: BN025221.D
Acq: 02 May 2023 15:36

Tgt Ion:276 Resp: 1235262
Ion Ratio Lower Upper
276 100
138 24.6 21.9 32.9
227 0.1 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 3.786 ng/ul

RT: 26.527 min Scan# 5816

Delta R.T. 0.031 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

Instrument :

BNA_N

ClientSampleId :

EW931

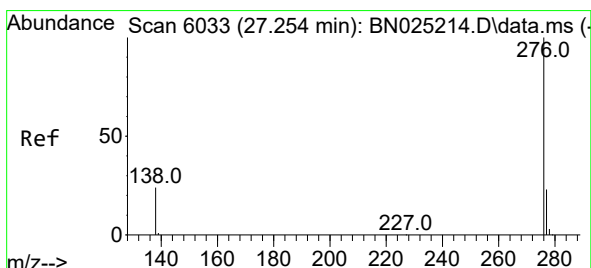
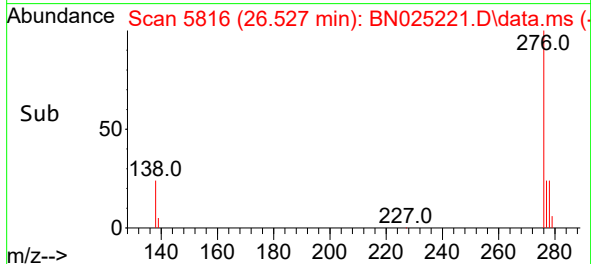
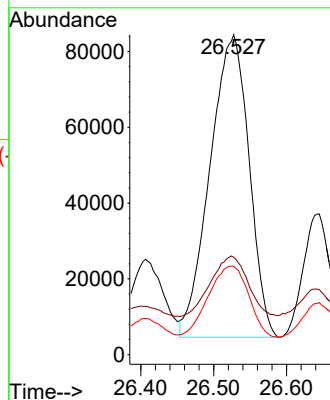
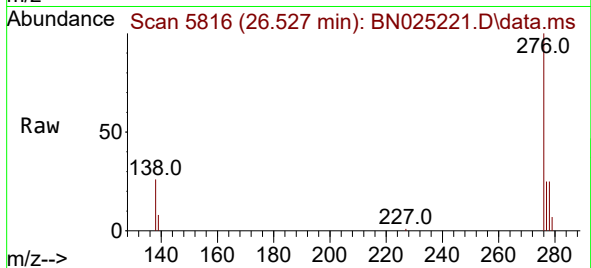
Tgt Ion:278 Resp: 297169

Ion Ratio Lower Upper

278 100

139 30.5 17.0 25.6#

279 27.7 21.8 32.8



#29

Benzo(g,h,i)perylene

Concen: 15.553 ng/ul

RT: 27.302 min Scan# 6047

Delta R.T. 0.048 min

Lab File: BN025221.D

Acq: 02 May 2023 15:36

Tgt Ion:276 Resp: 1329011

Ion Ratio Lower Upper

276 100

138 26.4 20.3 30.5

277 24.1 19.8 29.6

