

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051023\
 Data File : BN025386.D
 Acq On : 10 May 2023 18:31
 Operator : CG/JU
 Sample : 02479-21MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW975MS

Quant Time: May 11 02:09:07 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 : Thu May 11 02:07:13 2023
 Response via : Initial Calibration

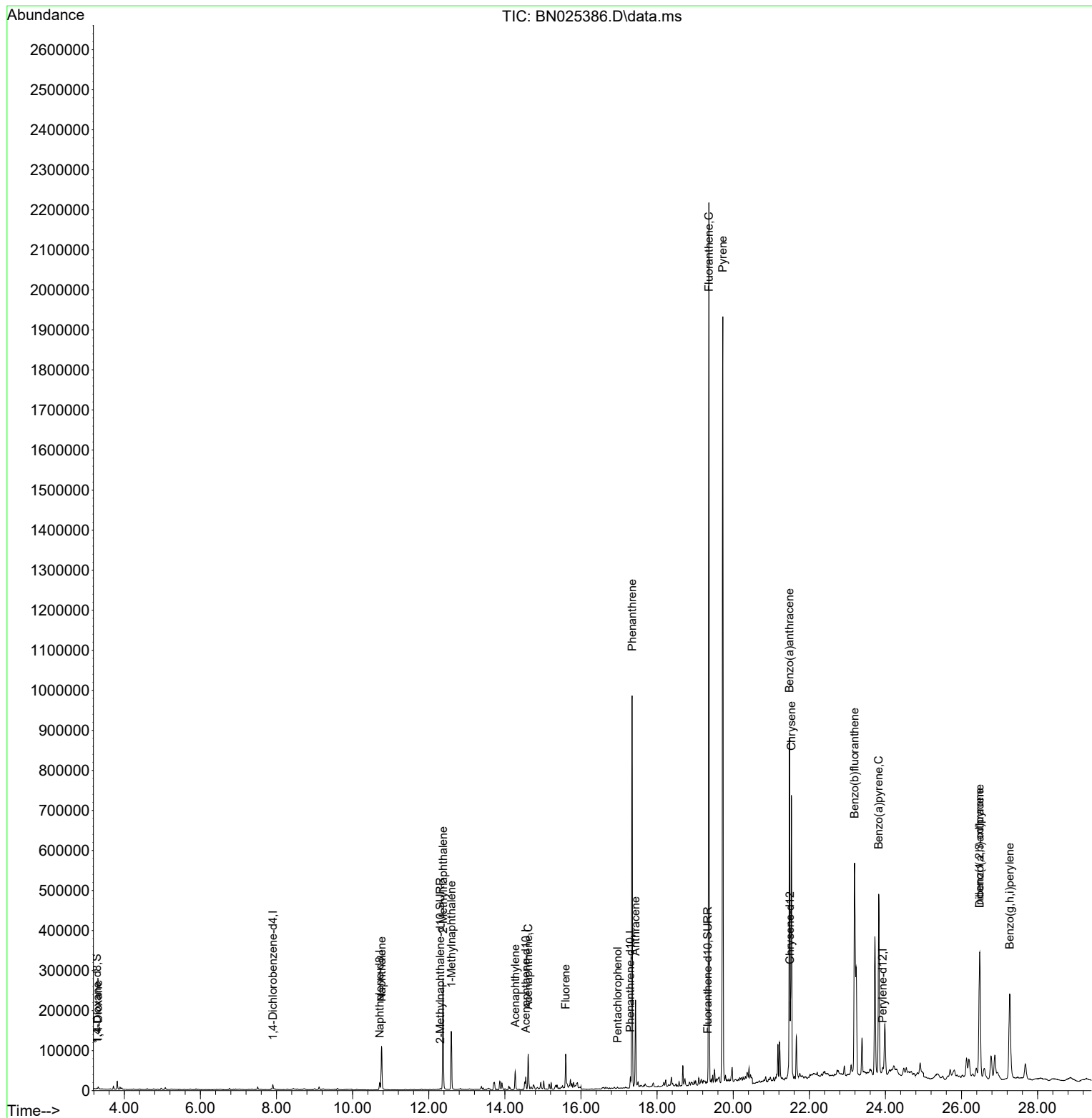
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	7272	0.400	ng/ul	0.00
4) Naphthalene-d8	10.710	136	23508	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.548	164	15032	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.297	188	31968	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.495	240	21427	0.400	ng/ul	# 0.00
23) Perylene-d12	23.930	264	21176	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	1086	0.144	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.299	152	3938	0.130	ng/ul	0.00
18) Fluoranthene-d10	19.332	212	9530	0.169	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.314	88	2930	0.361	ng/ul#	46
5) Naphthalene	10.759	128	155511	2.582	ng/ul	100
7) 2-Methylnaphthalene	12.376	142	198870	5.390	ng/ul	99
8) 1-Methylnaphthalene	12.596	142	99370	2.527	ng/ul	100
10) Acenaphthylene	14.270	152	54913	0.981	ng/ul#	94
11) Acenaphthene	14.613	153	52085	1.103	ng/ul	98
12) Fluorene	15.598	166	55068	1.044	ng/ul#	97
14) Pentachlorophenol	16.959	266	1776	0.283	ng/ul	96
15) Phenanthrene	17.343	178	1021586	11.322	ng/ul	100
16) Anthracene	17.432	178	229739	3.112	ng/ul	100
19) Fluoranthene	19.360	202	1848600	23.858	ng/ul	98
20) Pyrene	19.727	202	1598539	20.079	ng/ul	99
21) Benzo(a)anthracene	21.477	228	702104	10.874	ng/ul	97
22) Chrysene	21.530	228	715501	10.158	ng/ul	97
24) Benzo(b)fluoranthene	23.187	252	1210608	14.091	ng/ul	98
26) Benzo(a)pyrene	23.824	252	630149	8.865	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.475	276	461162	5.631	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.478	278	128083	2.002	ng/ul#	82
29) Benzo(g,h,i)perylene	27.266	276	422278	6.064	ng/ul	97

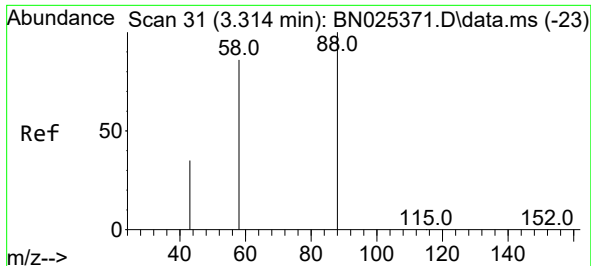
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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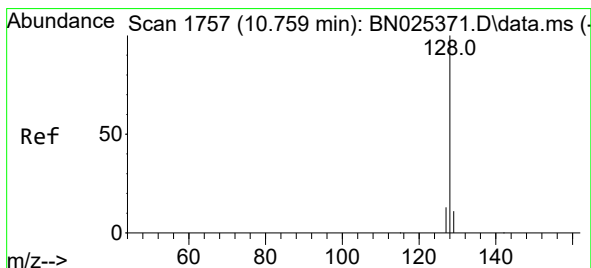
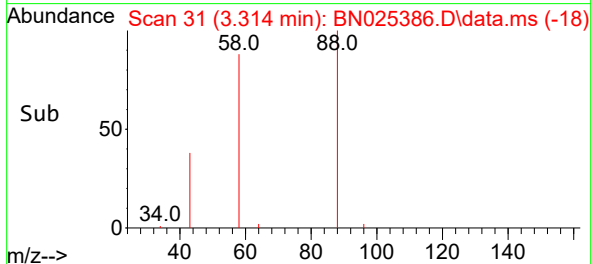
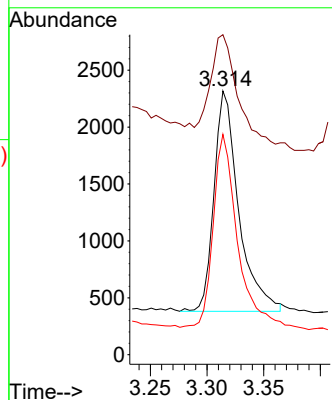
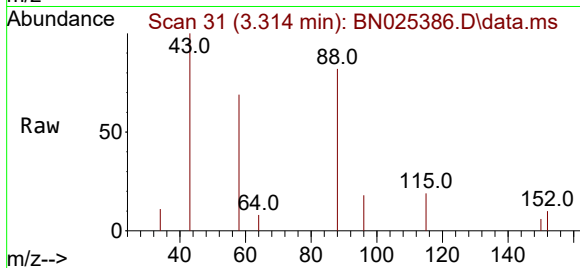




#2
1,4-Dioxane
Concen: 0.361 ng/ul
RT: 3.314 min Scan# 31
Delta R.T. 0.004 min
Lab File: BN025386.D
Acq: 10 May 2023 18:31

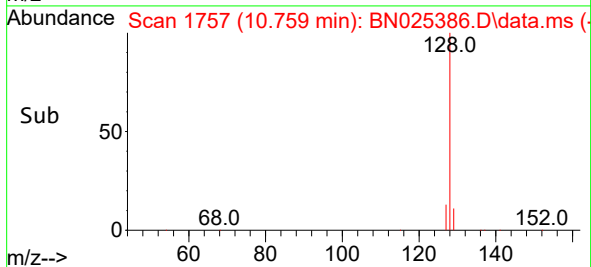
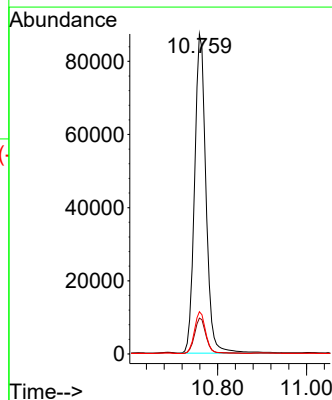
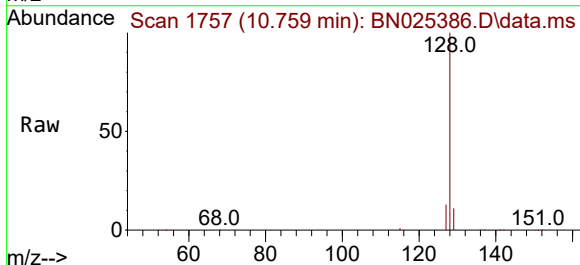
Instrument :
BNA_N
ClientSampleId :
EW975MS

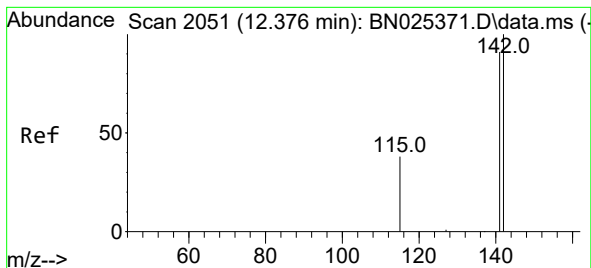
Tgt Ion: 88 Resp: 2930
Ion Ratio Lower Upper
88 100
43 121.4 37.0 55.4#
58 83.6 56.9 85.3



#5
Naphthalene
Concen: 2.582 ng/ul
RT: 10.759 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BN025386.D
Acq: 10 May 2023 18:31

Tgt Ion:128 Resp: 155511
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.2 10.7 16.1

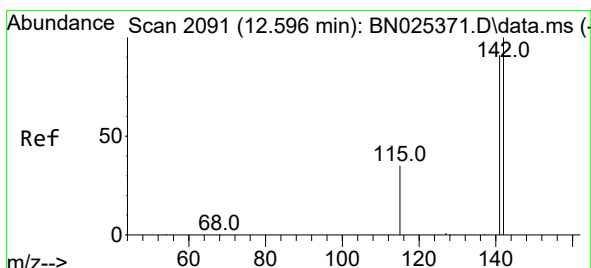
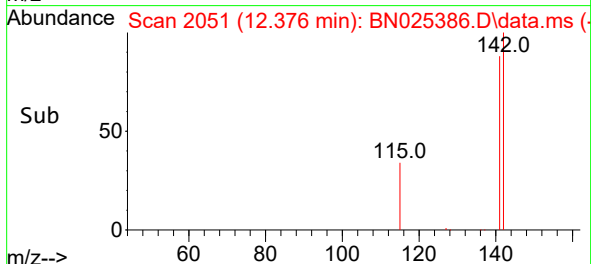
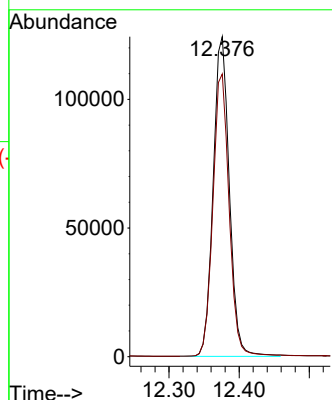
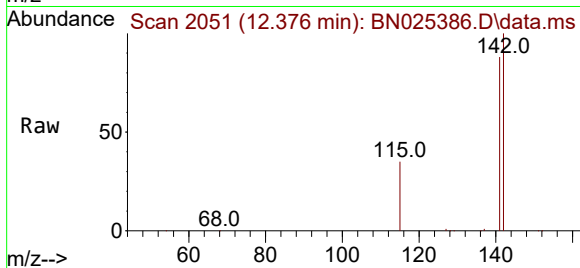




#7
2-Methylnaphthalene
Concen: 5.390 ng/ul
RT: 12.376 min Scan# 2051
Delta R.T. 0.000 min
Lab File: BN025386.D
Acq: 10 May 2023 18:31

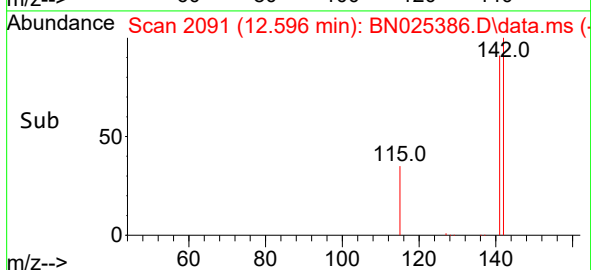
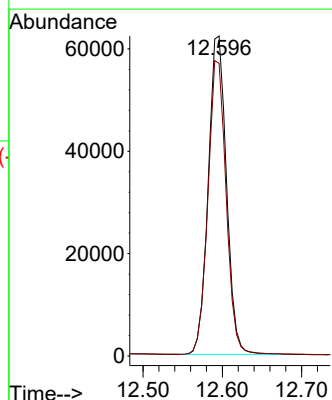
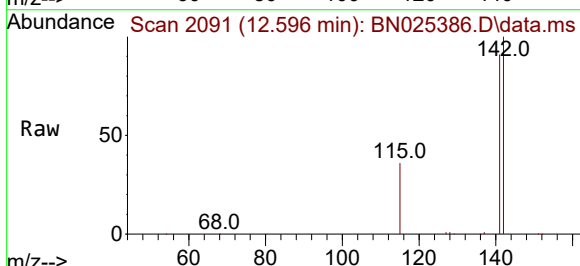
Instrument :
BNA_N
ClientSampleId :
EW975MS

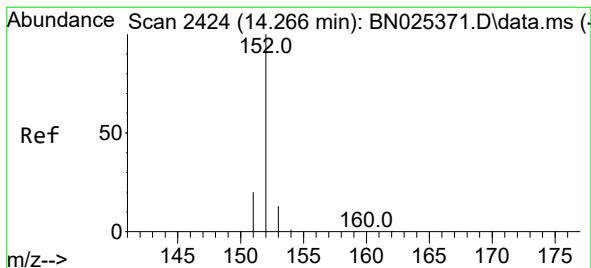
Tgt Ion:142 Resp: 198870
Ion Ratio Lower Upper
142 100
141 88.7 71.4 107.0



#8
1-Methylnaphthalene
Concen: 2.527 ng/ul
RT: 12.596 min Scan# 2091
Delta R.T. 0.006 min
Lab File: BN025386.D
Acq: 10 May 2023 18:31

Tgt Ion:142 Resp: 99370
Ion Ratio Lower Upper
142 100
141 92.0 73.8 110.6





#10

Acenaphthylene

Concen: 0.981 ng/ul

RT: 14.270 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BN025386.D

Acq: 10 May 2023 18:31

Instrument :

BNA_N

ClientSampleId :

EW975MS

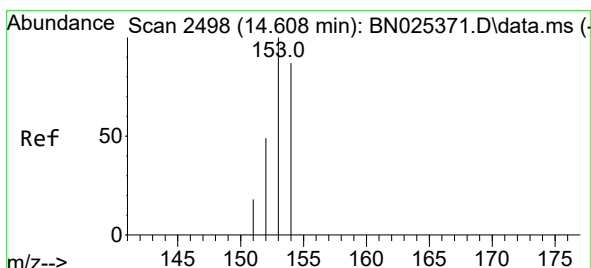
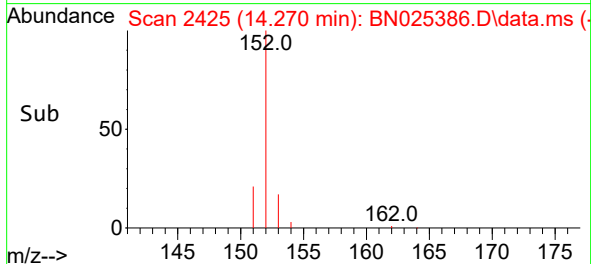
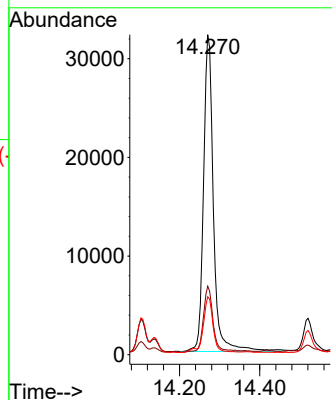
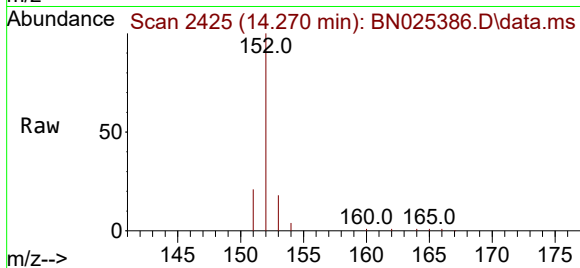
Tgt Ion:152 Resp: 54913

Ion Ratio Lower Upper

152 100

151 21.4 16.0 24.0

153 18.1 10.8 16.2#



#11

Acenaphthene

Concen: 1.103 ng/ul

RT: 14.613 min Scan# 2499

Delta R.T. 0.005 min

Lab File: BN025386.D

Acq: 10 May 2023 18:31

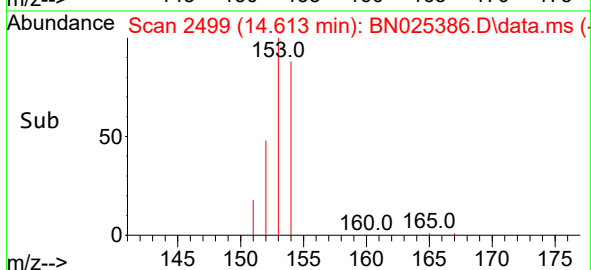
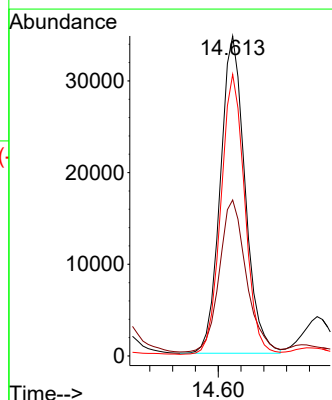
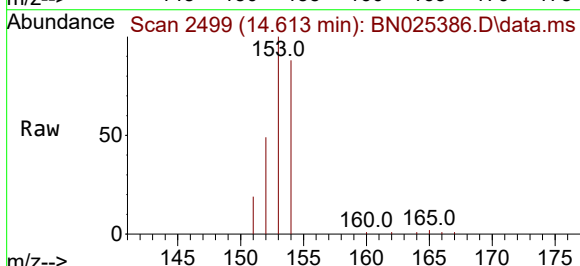
Tgt Ion:153 Resp: 52085

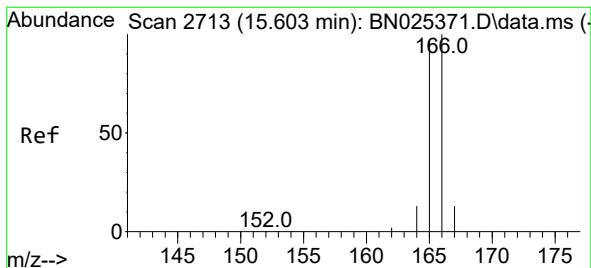
Ion Ratio Lower Upper

153 100

152 48.8 40.2 60.4

154 88.0 69.4 104.2





#12

Fluorene

Concen: 1.044 ng/ul

RT: 15.598 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN025386.D

Acq: 10 May 2023 18:31

Instrument :

BNA_N

ClientSampleId :

EW975MS

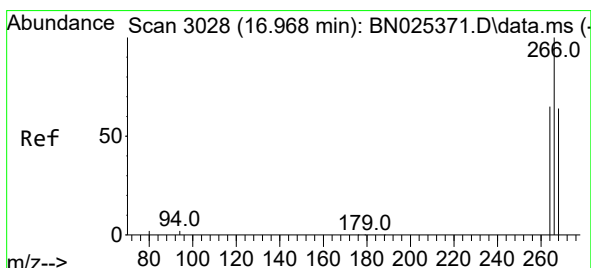
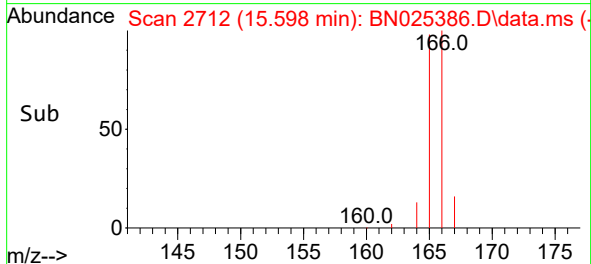
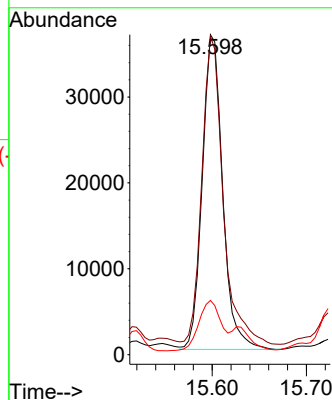
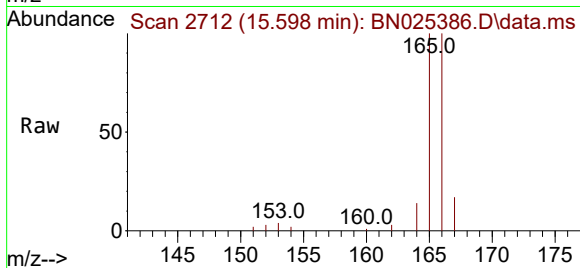
Tgt Ion:166 Resp: 55068

Ion Ratio Lower Upper

166 100

165 99.6 78.1 117.1

167 17.0 11.0 16.6#



#14

Pentachlorophenol

Concen: 0.283 ng/ul

RT: 16.959 min Scan# 3026

Delta R.T. 0.000 min

Lab File: BN025386.D

Acq: 10 May 2023 18:31

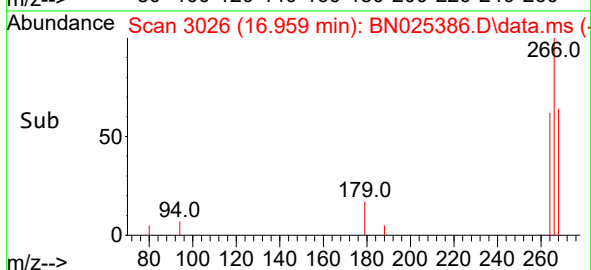
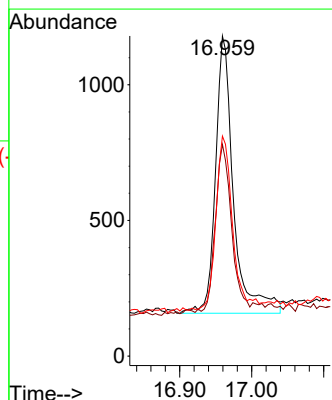
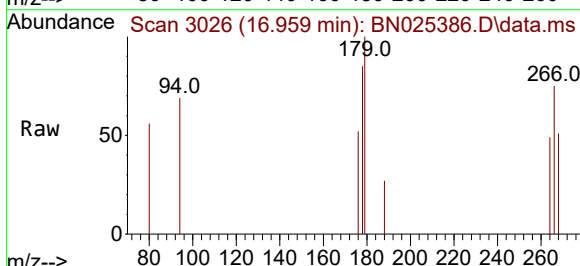
Tgt Ion:266 Resp: 1776

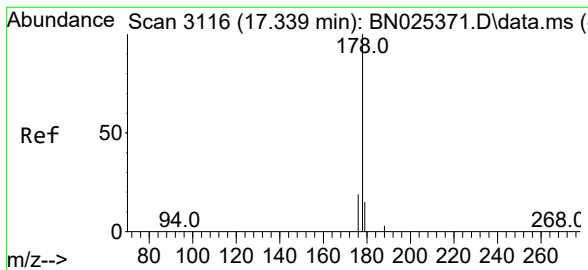
Ion Ratio Lower Upper

266 100

264 59.3 49.6 74.4

268 61.3 51.3 76.9



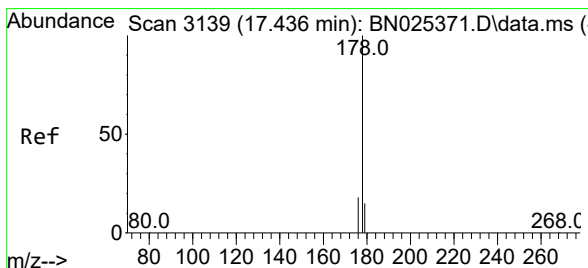
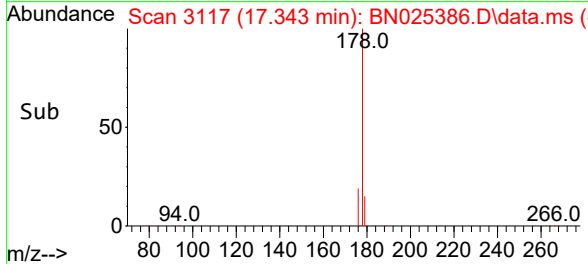
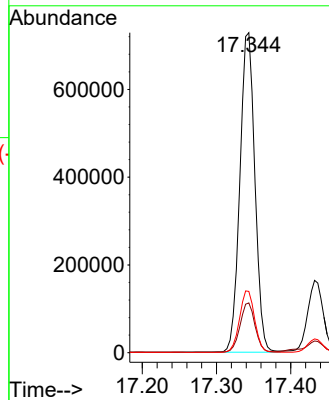
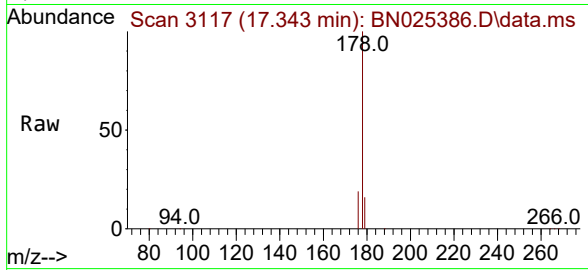


#15
 Phenanthrene
 Concen: 11.322 ng/ul
 RT: 17.343 min Scan# 3117
 Delta R.T. 0.004 min
 Lab File: BN025386.D
 Acq: 10 May 2023 18:31

Instrument :
 BNA_N
 ClientSampleId :
 EW975MS

Tgt Ion:178 Resp: 1021586

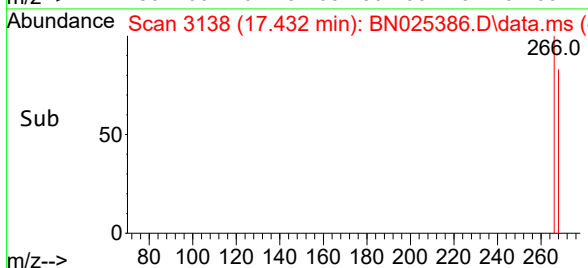
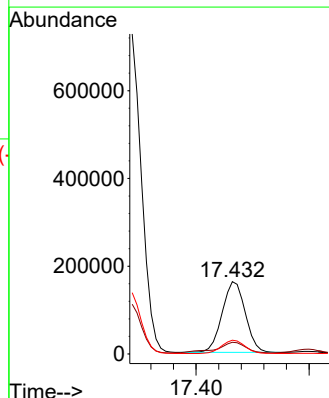
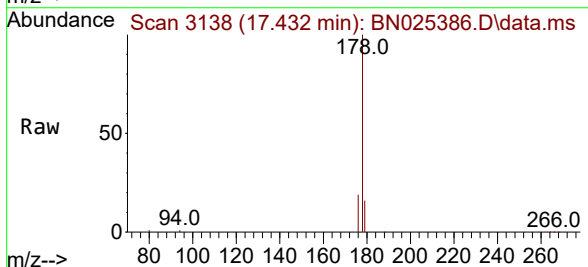
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	19.2	15.6	23.4

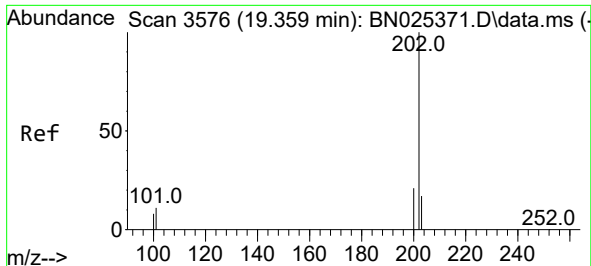


#16
 Anthracene
 Concen: 3.112 ng/ul
 RT: 17.432 min Scan# 3138
 Delta R.T. 0.000 min
 Lab File: BN025386.D
 Acq: 10 May 2023 18:31

Tgt Ion:178 Resp: 229739

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.7	19.1
176	19.0	15.3	22.9





#19

Fluoranthene

Concen: 23.858 ng/ul

RT: 19.360 min Scan# 3576

Delta R.T. 0.000 min

Lab File: BN025386.D

Acq: 10 May 2023 18:31

Instrument :

BNA_N

ClientSampleId :

EW975MS

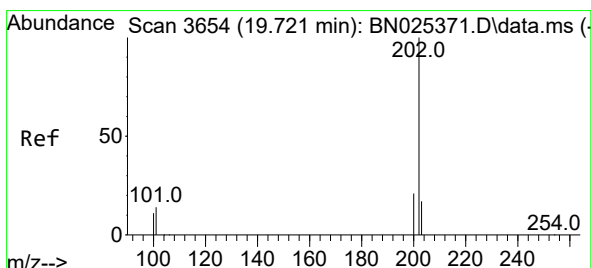
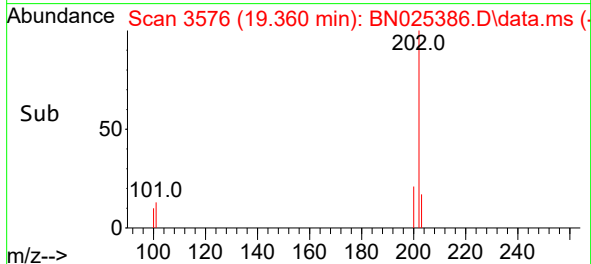
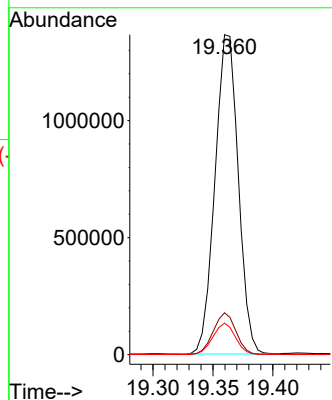
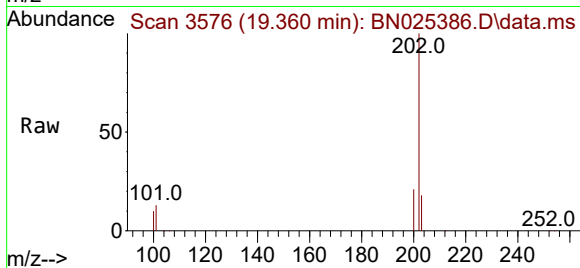
Tgt Ion:202 Resp: 1848600

Ion Ratio Lower Upper

202 100

101 13.1 9.7 14.5

100 9.9 7.3 10.9



#20

Pyrene

Concen: 20.079 ng/ul

RT: 19.727 min Scan# 3655

Delta R.T. 0.005 min

Lab File: BN025386.D

Acq: 10 May 2023 18:31

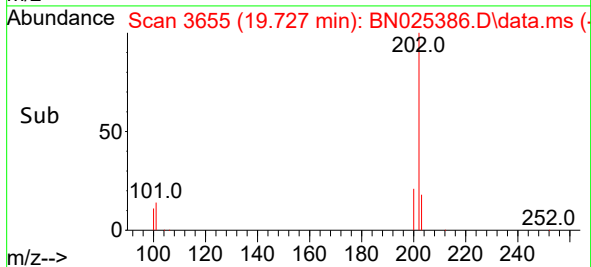
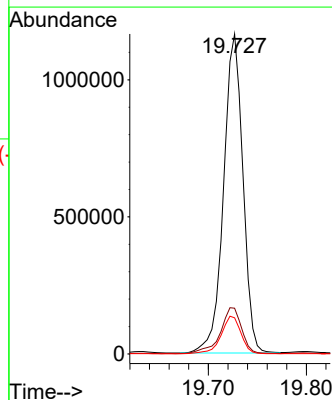
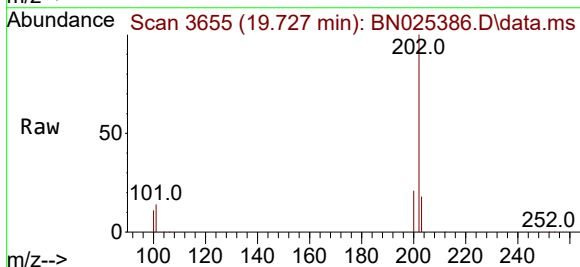
Tgt Ion:202 Resp: 1598539

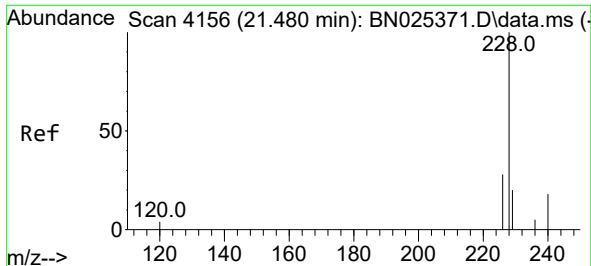
Ion Ratio Lower Upper

202 100

101 14.3 11.3 16.9

100 11.3 9.2 13.8

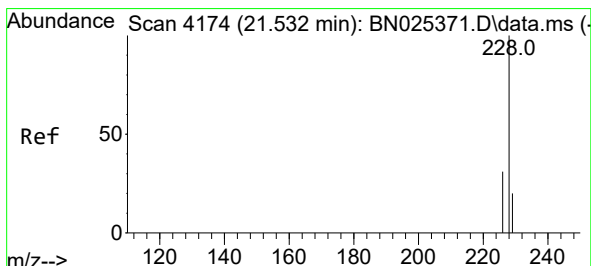
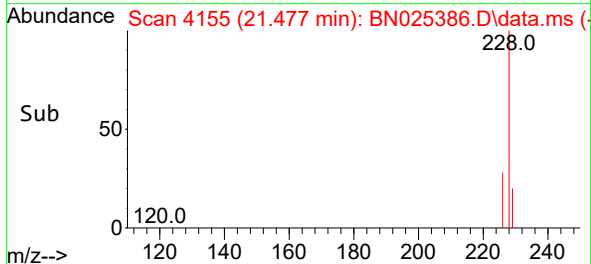
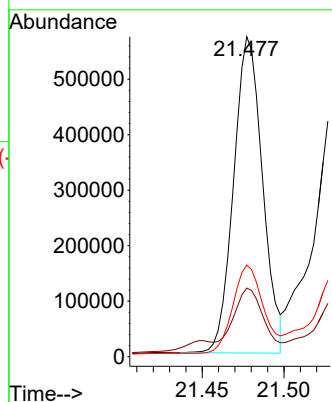
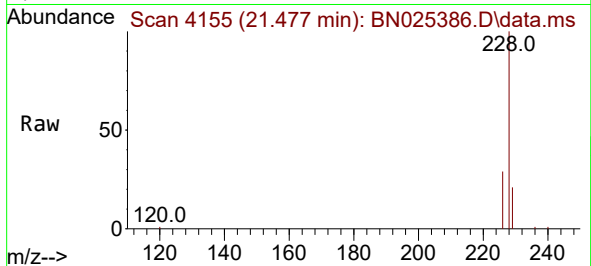




#21
Benzo(a)anthracene
Concen: 10.874 ng/ul
RT: 21.477 min Scan# 4156
Delta R.T. 0.000 min
Lab File: BN025386.D
Acq: 10 May 2023 18:31

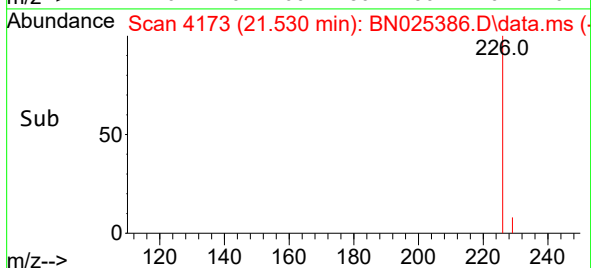
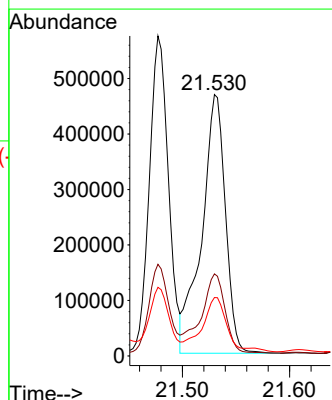
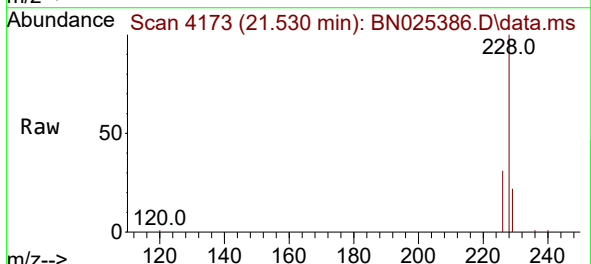
Instrument :
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EW975MS

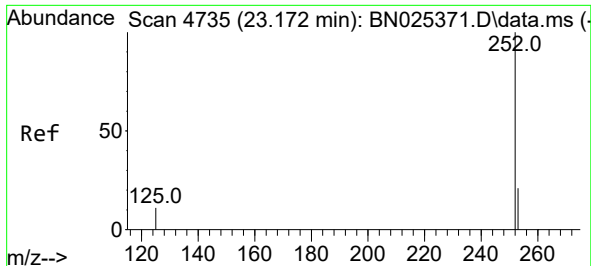
Tgt Ion:228 Resp: 702104
Ion Ratio Lower Upper
228 100
229 21.5 15.6 23.4
226 28.7 22.1 33.1



#22
Chrysene
Concen: 10.158 ng/ul
RT: 21.530 min Scan# 4173
Delta R.T. -0.003 min
Lab File: BN025386.D
Acq: 10 May 2023 18:31

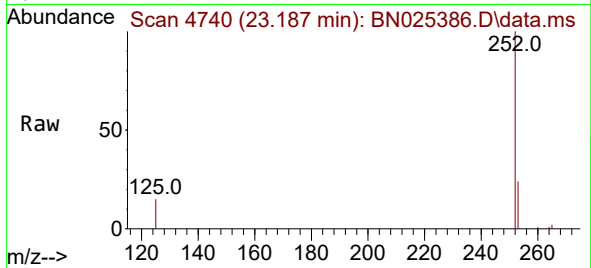
Tgt Ion:228 Resp: 715501
Ion Ratio Lower Upper
228 100
226 31.4 24.5 36.7
229 22.4 15.8 23.6



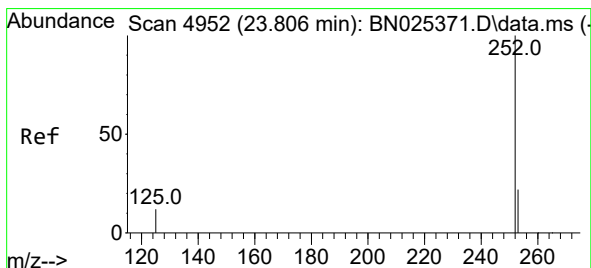
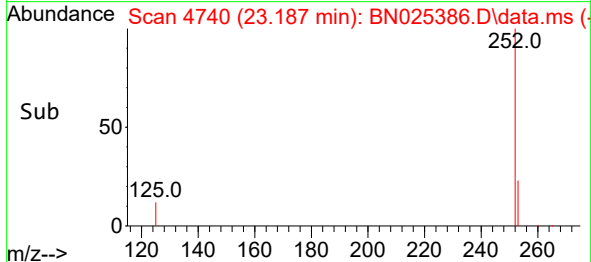
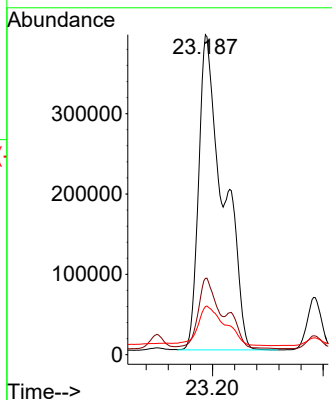


#24
Benzo(b)fluoranthene
Concen: 14.091 ng/ul
RT: 23.187 min Scan# 41
Delta R.T. 0.003 min
Lab File: BN025386.D
Acq: 10 May 2023 18:31

Instrument :
BNA_N
ClientSampleId :
EW975MS

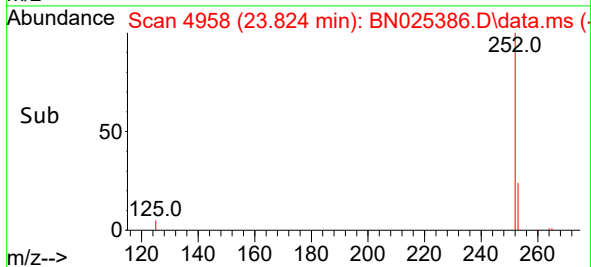
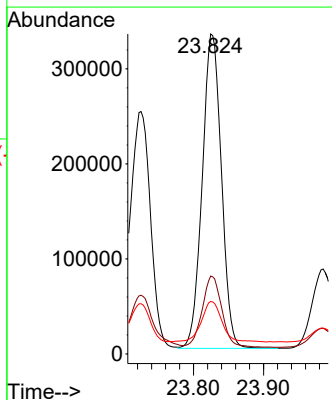
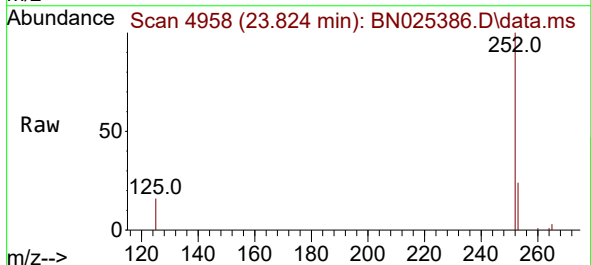


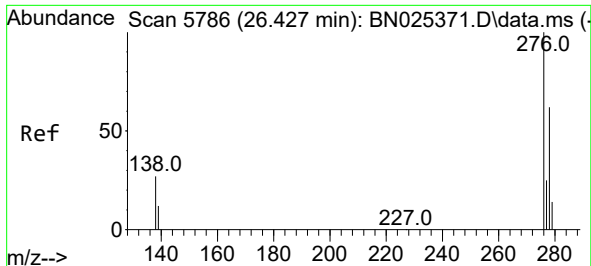
Tgt Ion:252 Resp: 1210608
Ion Ratio Lower Upper
252 100
253 23.9 0.0 50.2
125 15.0 0.0 30.4



#26
Benzo(a)pyrene
Concen: 8.865 ng/ul
RT: 23.824 min Scan# 4958
Delta R.T. 0.006 min
Lab File: BN025386.D
Acq: 10 May 2023 18:31

Tgt Ion:252 Resp: 630149
Ion Ratio Lower Upper
252 100
253 24.3 21.4 32.2
125 16.4 14.6 22.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 5.631 ng/ul

RT: 26.475 min Scan# 5800

Delta R.T. 0.017 min

Lab File: BN025386.D

Acq: 10 May 2023 18:31

Instrument :

BNA_N

ClientSampleId :

EW975MS

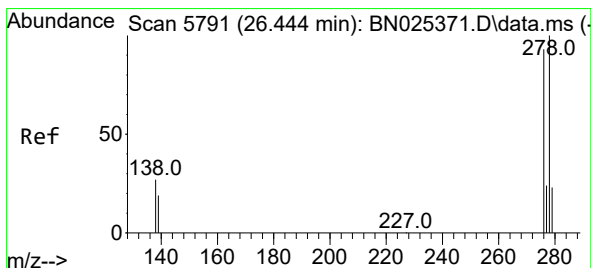
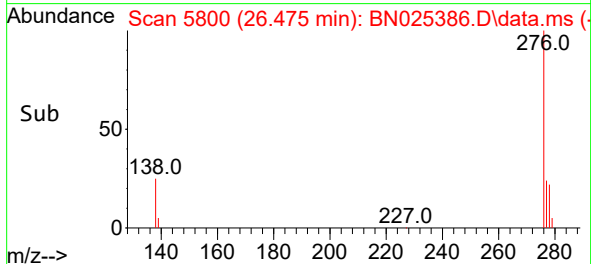
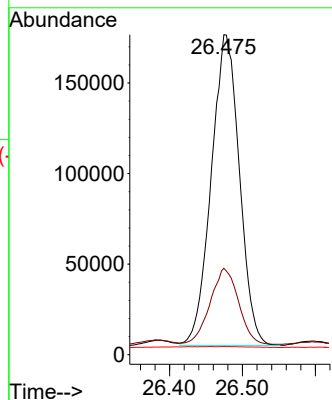
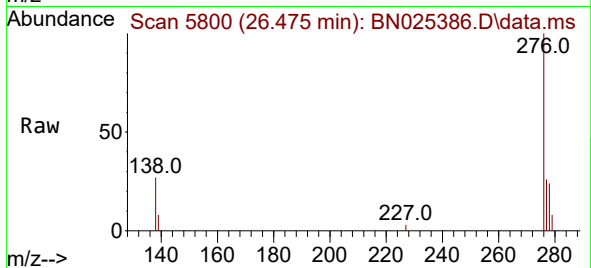
Tgt Ion:276 Resp: 461162

Ion Ratio Lower Upper

276 100

138 24.7 21.9 32.9

227 0.3 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 2.002 ng/ul

RT: 26.478 min Scan# 5801

Delta R.T. 0.003 min

Lab File: BN025386.D

Acq: 10 May 2023 18:31

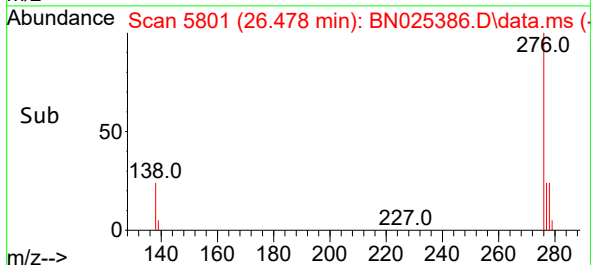
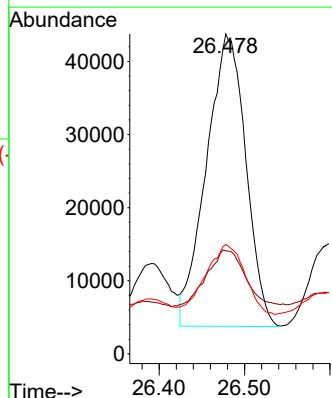
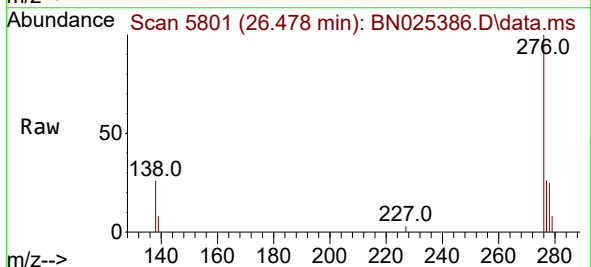
Tgt Ion:278 Resp: 128083

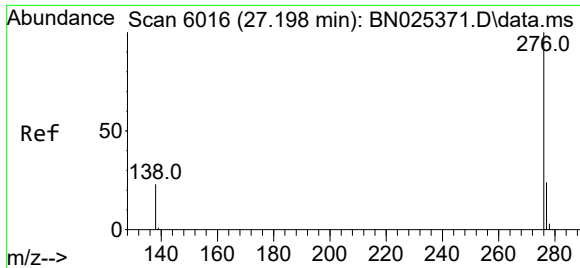
Ion Ratio Lower Upper

278 100

139 32.2 17.0 25.6#

279 34.2 21.8 32.8#





#29
 Benzo(g,h,i)perylene
 Concen: 6.064 ng/ul
 RT: 27.266 min Scan# 60
 Delta R.T. 0.027 min
 Lab File: BN025386.D
 Acq: 10 May 2023 18:31

Instrument :
 BNA_N
 ClientSampleId :
 EW975MS

Tgt Ion:	276	Resp:	422278
Ion	Ratio	Lower	Upper
276	100		
138	27.3	20.3	30.5
277	26.3	19.8	29.6

