

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062923\
 Data File : BN026106.D
 Acq On : 29 Jun 2023 22:10
 Operator : MA/JU
 Sample : 03143-18
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFV5

Quant Time: Jun 30 00:46:01 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 22:47:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

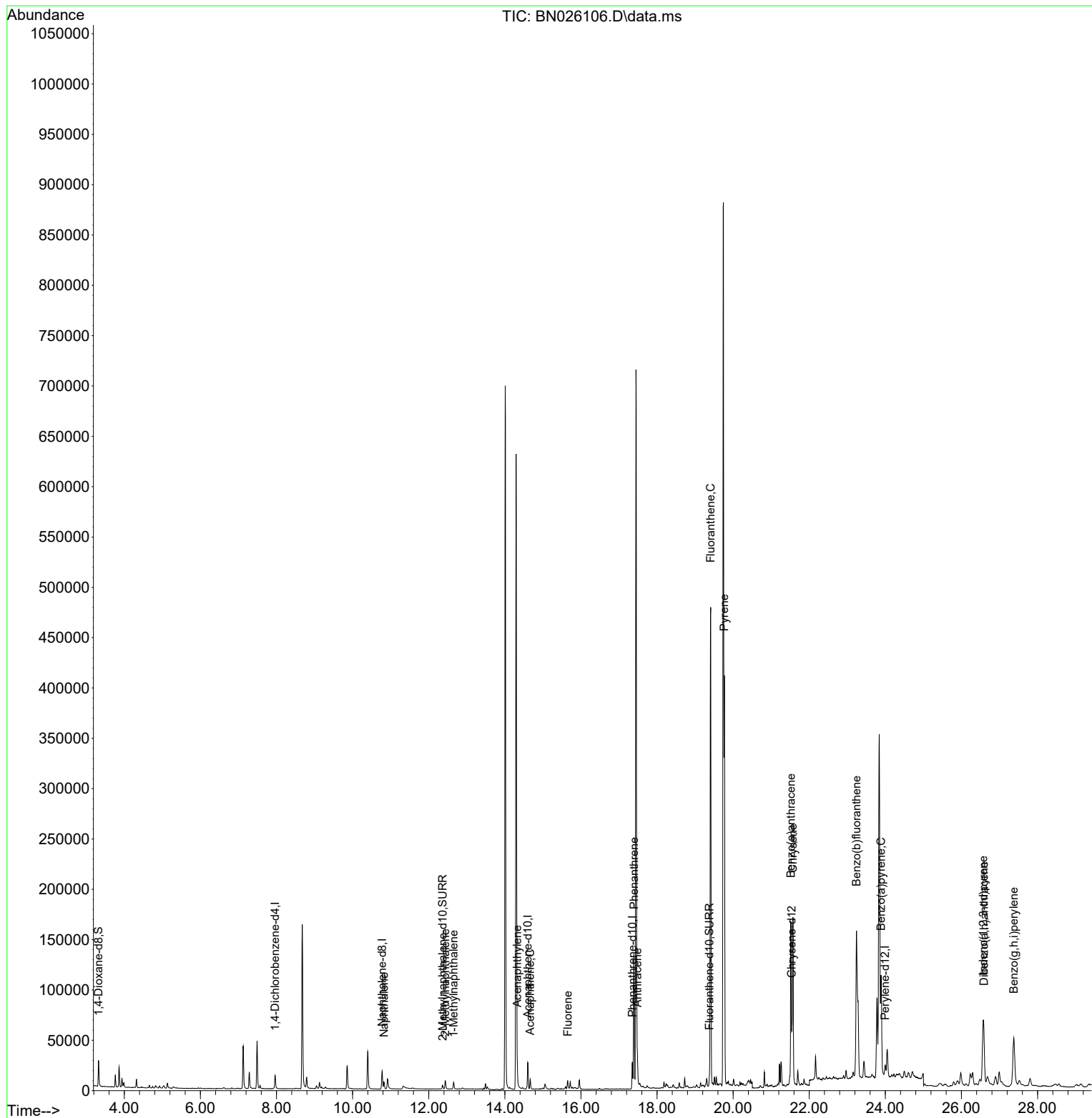
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	7774	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.774	136	25426	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.602	164	15268	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.351	188	31050	0.400	ng/ul	0.00
17) Chrysene-d12	21.534	240	17089	0.400	ng/ul	# 0.00
23) Perylene-d12	23.995	264	16054	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	17416	1.989	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.364	152	5329	0.136	ng/ul	0.00
18) Fluoranthene-d10	19.376	212	10072	0.155	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.824	128	10040	0.138	ng/ul	97
7) 2-Methylnaphthalene	12.435	142	6638	0.143	ng/ul	98
8) 1-Methylnaphthalene	12.655	142	5085	0.106	ng/ul	98
10) Acenaphthylene	14.325	152	15401	0.215	ng/ul	97
11) Acenaphthene	14.667	153	5796	0.099	ng/ul	98
12) Fluorene	15.652	166	5310	0.079	ng/ul#	98
15) Phenanthrene	17.393	178	148179	1.445	ng/ul	99
16) Anthracene	17.481	178	23292	0.256	ng/ul	97
19) Fluoranthene	19.409	202	422937	4.634	ng/ul	97
20) Pyrene	19.767	202	338494	3.565	ng/ul	99
21) Benzo(a)anthracene	21.516	228	144197	2.045	ng/ul	97
22) Chrysene	21.572	228	174596	2.380	ng/ul	97
24) Benzo(b)fluoranthene	23.241	252	328749	4.798	ng/ul	92
26) Benzo(a)pyrene	23.887	252	144789	2.433	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.573	276	129013	1.985	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.590	278	29849	0.607	ng/ul	96
29) Benzo(g,h,i)perylene	27.375	276	117638	2.034	ng/ul	96

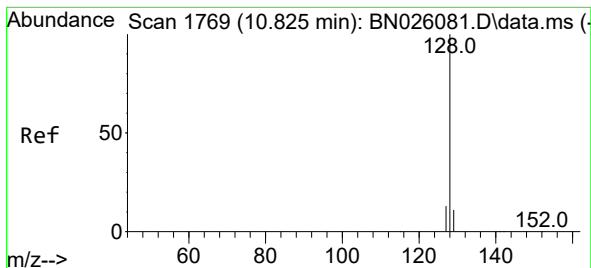
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.138 ng/ul

RT: 10.824 min Scan# 1769

Delta R.T. -0.012 min

Lab File: BN026106.D

Acq: 29 Jun 2023 22:10

Instrument :

BNA_N

ClientSampleId :

DCFV5

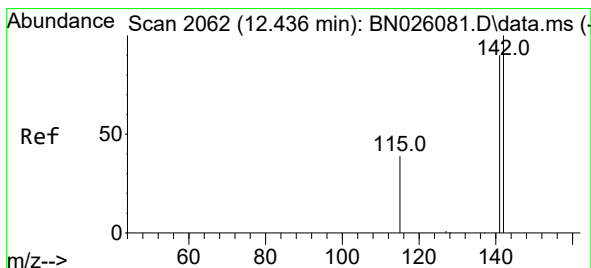
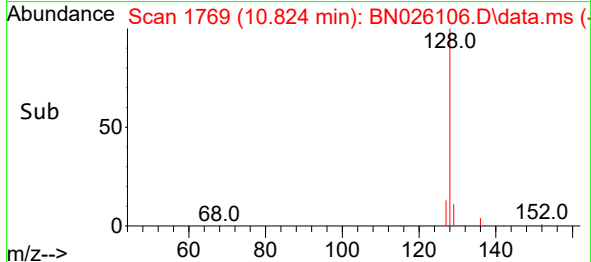
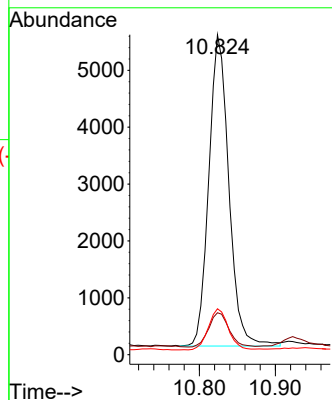
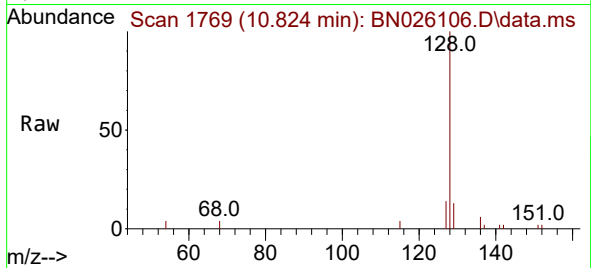
Tgt Ion:128 Resp: 10040

Ion Ratio Lower Upper

128 100

129 13.1 9.1 13.7

127 14.3 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.143 ng/ul

RT: 12.435 min Scan# 2062

Delta R.T. -0.012 min

Lab File: BN026106.D

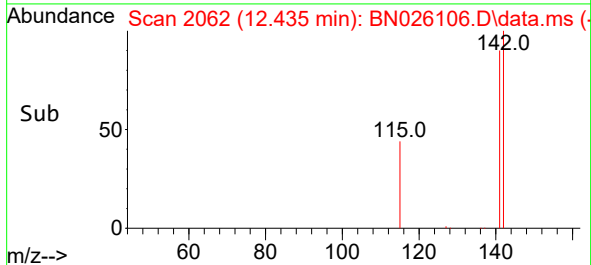
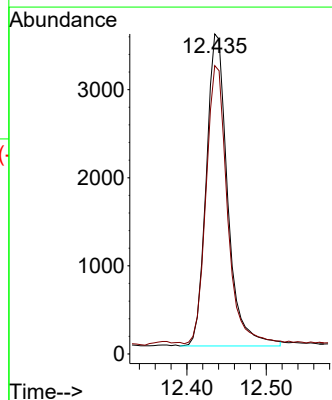
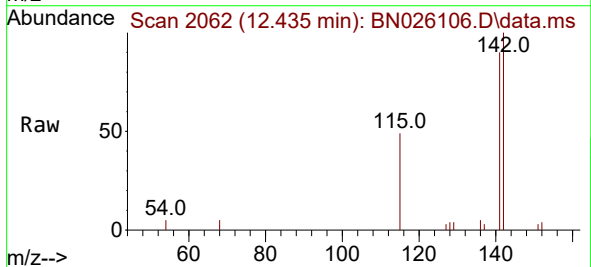
Acq: 29 Jun 2023 22:10

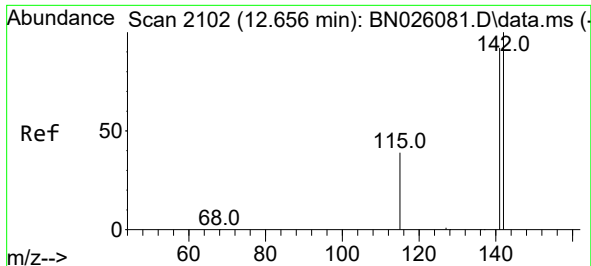
Tgt Ion:142 Resp: 6638

Ion Ratio Lower Upper

142 100

141 88.2 71.9 107.9

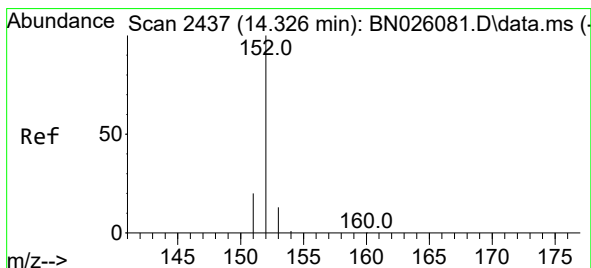
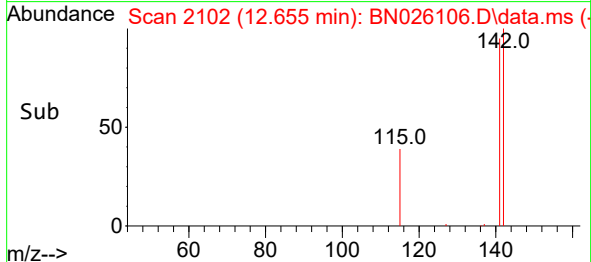
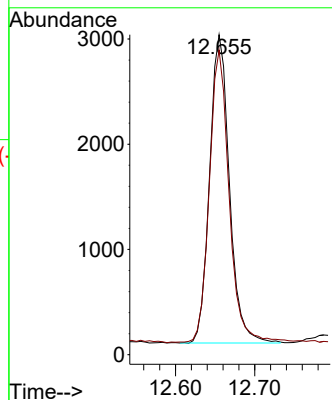
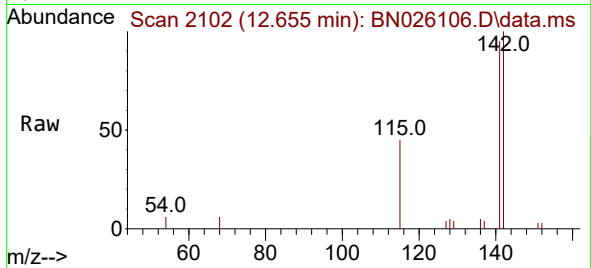




#8
1-Methylnaphthalene
Concen: 0.106 ng/ul
RT: 12.655 min Scan# 2102
Delta R.T. -0.007 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

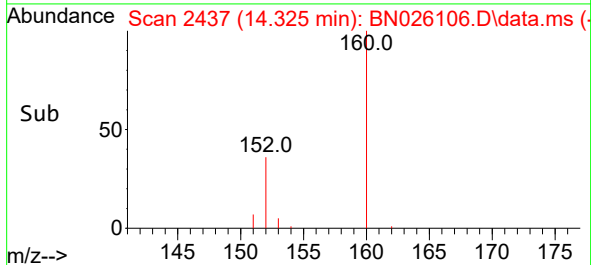
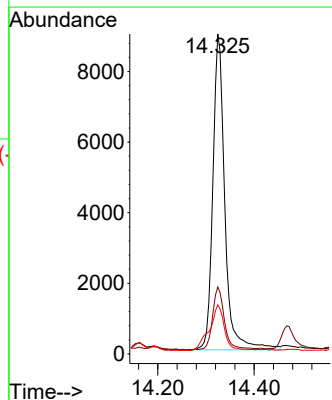
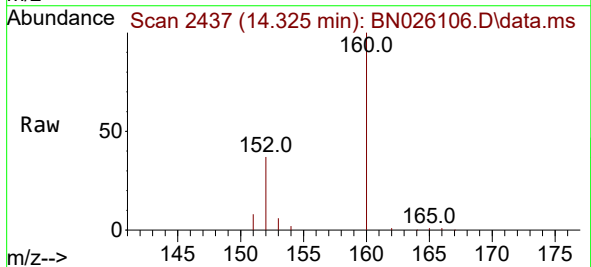
Instrument :
BNA_N
ClientSampleId :
DCFV5

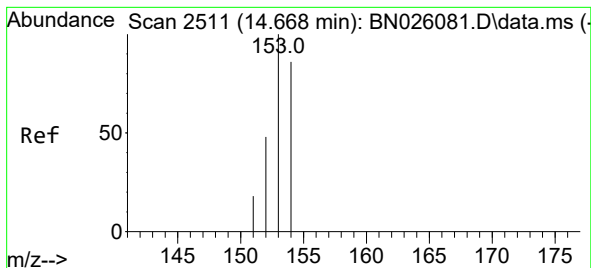
Tgt Ion:142 Resp: 5085
Ion Ratio Lower Upper
142 100
141 94.6 74.2 111.4



#10
Acenaphthylene
Concen: 0.215 ng/ul
RT: 14.325 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

Tgt Ion:152 Resp: 15401
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4
153 15.4 10.9 16.3





#11

Acenaphthene

Concen: 0.099 ng/ul

RT: 14.667 min Scan# 2511

Delta R.T. -0.005 min

Lab File: BN026106.D

Acq: 29 Jun 2023 22:10

Instrument :

BNA_N

ClientSampleId :

DCFV5

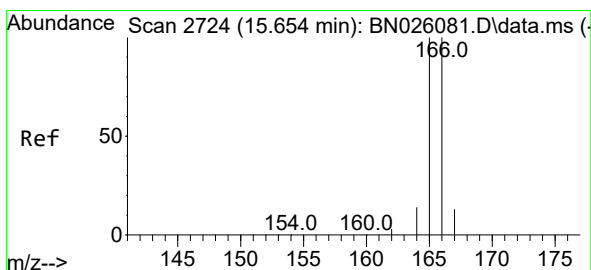
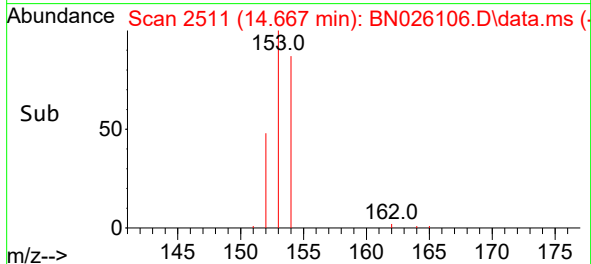
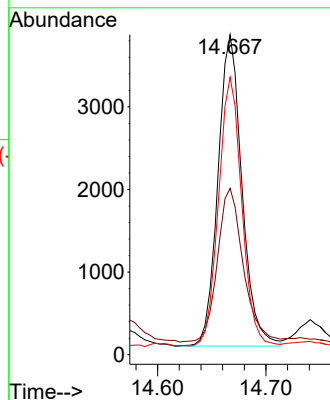
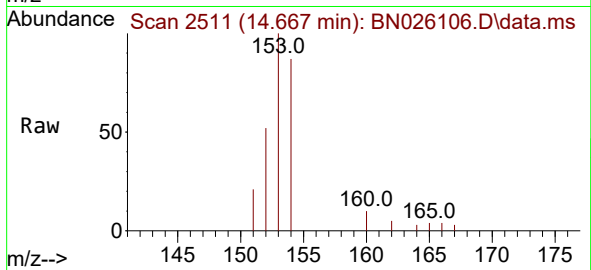
Tgt Ion:153 Resp: 5796

Ion Ratio Lower Upper

153 100

152 52.0 39.4 59.0

154 86.7 68.9 103.3



#12

Fluorene

Concen: 0.079 ng/ul

RT: 15.652 min Scan# 2724

Delta R.T. -0.010 min

Lab File: BN026106.D

Acq: 29 Jun 2023 22:10

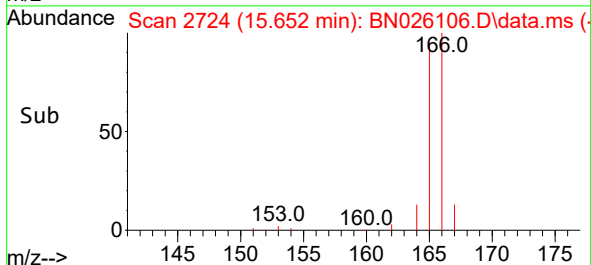
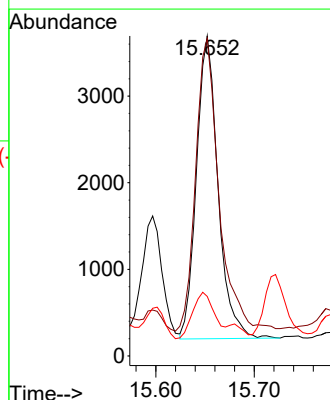
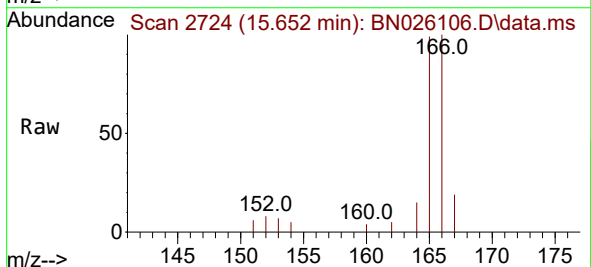
Tgt Ion:166 Resp: 5310

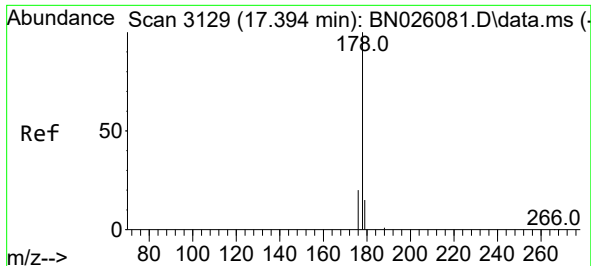
Ion Ratio Lower Upper

166 100

165 99.2 79.9 119.9

167 18.6 10.8 16.2#

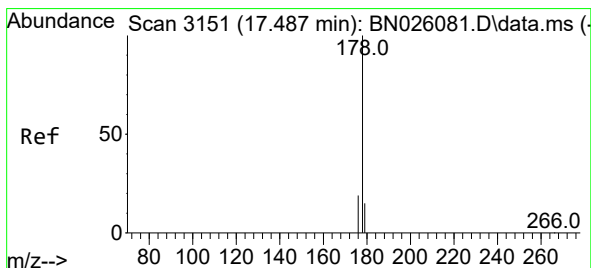
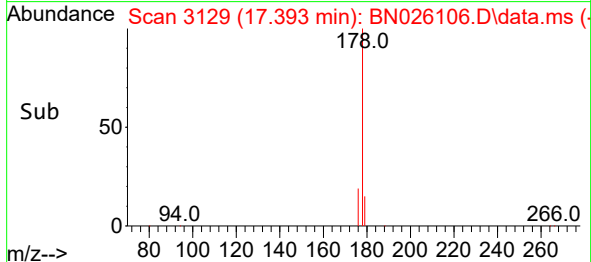
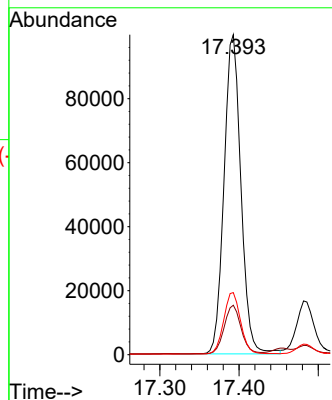
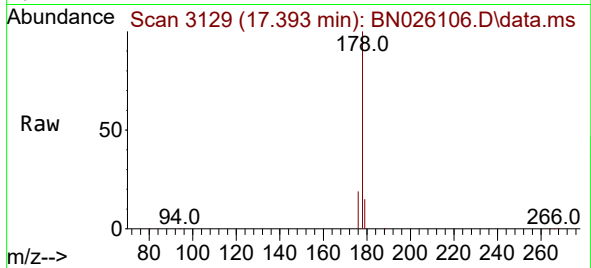




#15
Phenanthrene
Concen: 1.445 ng/ul
RT: 17.393 min Scan# 3129
Delta R.T. -0.009 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

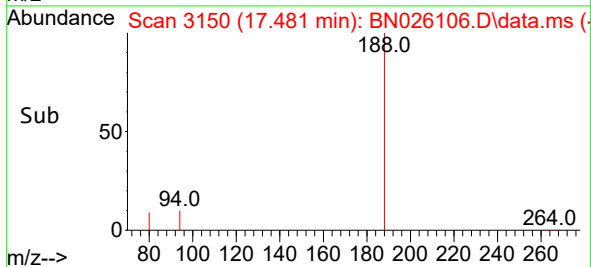
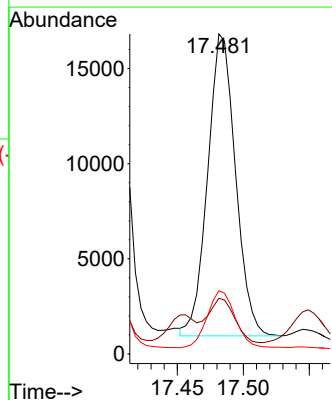
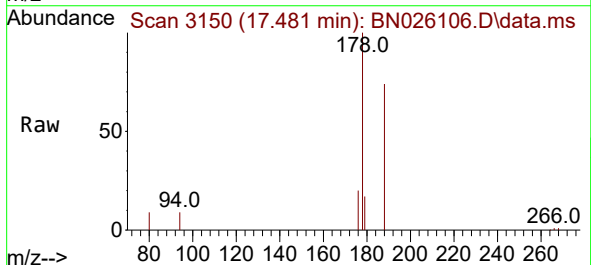
Instrument :
BNA_N
ClientSampleId :
DCFV5

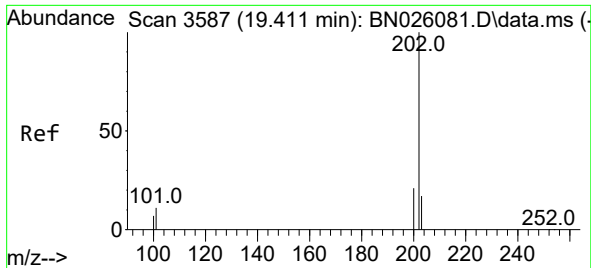
Tgt Ion:178 Resp: 148179
Ion Ratio Lower Upper
178 100
179 15.4 12.6 19.0
176 19.4 15.8 23.6



#16
Anthracene
Concen: 0.256 ng/ul
RT: 17.481 min Scan# 3150
Delta R.T. -0.013 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

Tgt Ion:178 Resp: 23292
Ion Ratio Lower Upper
178 100
179 17.4 12.6 18.8
176 19.8 15.1 22.7

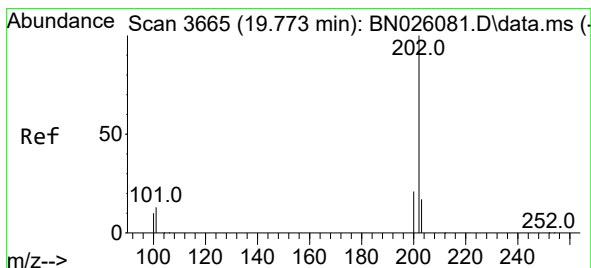
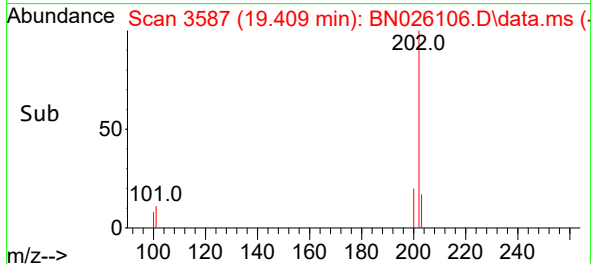
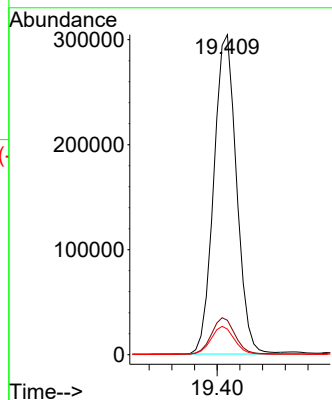
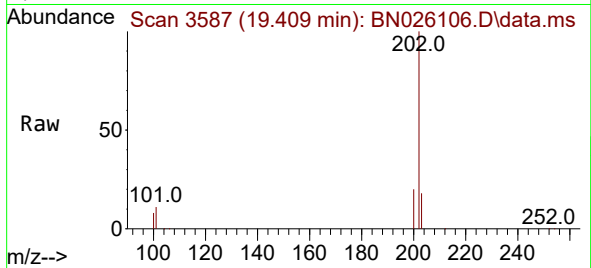




#19
Fluoranthene
Concen: 4.634 ng/ul
RT: 19.409 min Scan# 3587
Delta R.T. -0.005 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

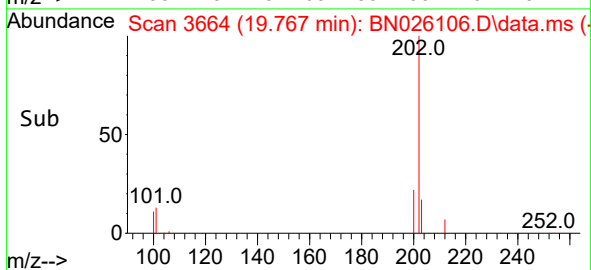
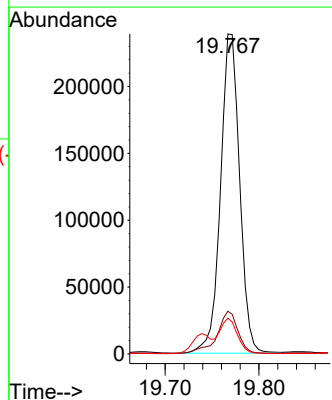
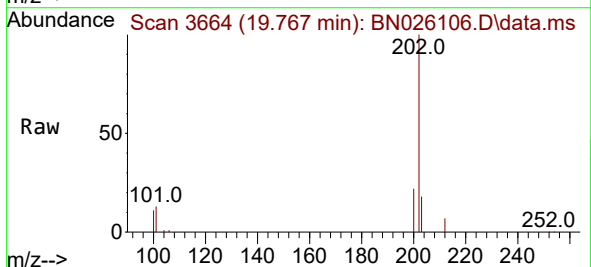
Instrument :
BNA_N
ClientSampleId :
DCFV5

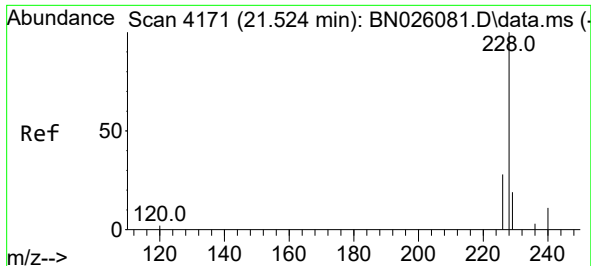
Tgt Ion:202 Resp: 422937
Ion Ratio Lower Upper
202 100
101 10.7 9.5 14.3
100 8.0 7.3 10.9



#20
Pyrene
Concen: 3.565 ng/ul
RT: 19.767 min Scan# 3664
Delta R.T. -0.010 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

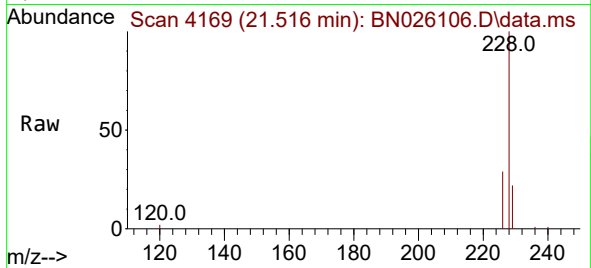
Tgt Ion:202 Resp: 338494
Ion Ratio Lower Upper
202 100
101 13.4 11.4 17.0
100 11.2 9.1 13.7



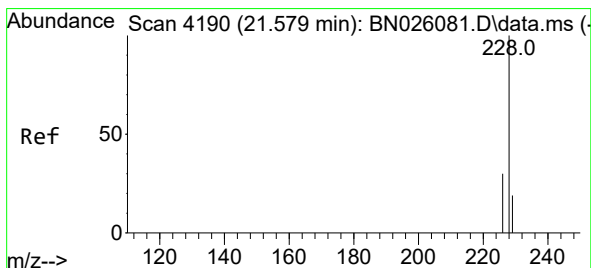
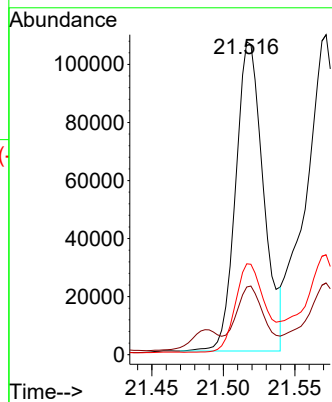
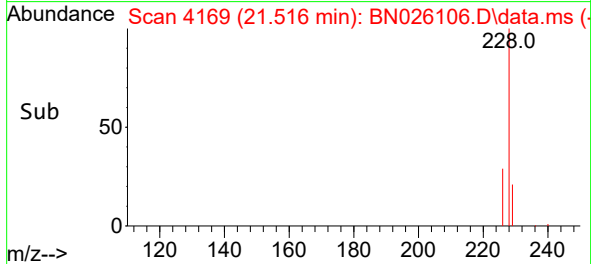


#21
Benzo(a)anthracene
Concen: 2.045 ng/ul
RT: 21.516 min Scan# 411
Delta R.T. -0.012 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

Instrument :
BNA_N
ClientSampleId :
DCFV5

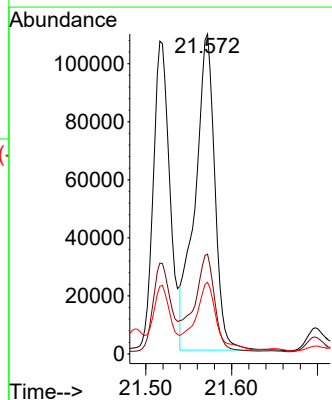
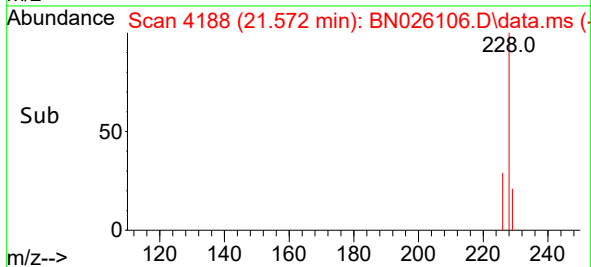
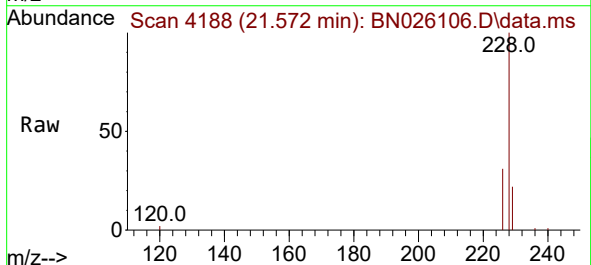


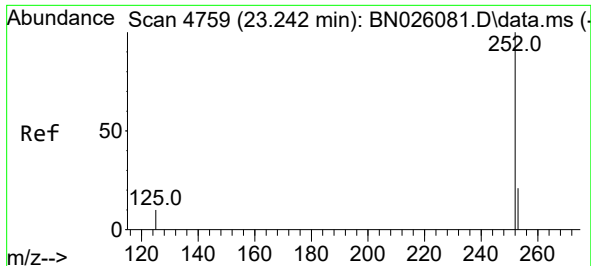
Tgt Ion:228 Resp: 144197
Ion Ratio Lower Upper
228 100
229 21.6 15.8 23.6
226 29.1 22.5 33.7



#22
Chrysene
Concen: 2.380 ng/ul
RT: 21.572 min Scan# 4188
Delta R.T. -0.007 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

Tgt Ion:228 Resp: 174596
Ion Ratio Lower Upper
228 100
226 31.2 24.8 37.2
229 22.4 15.7 23.5

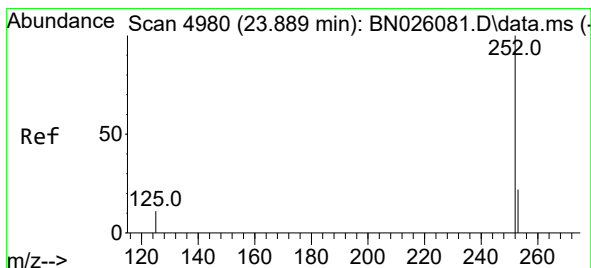
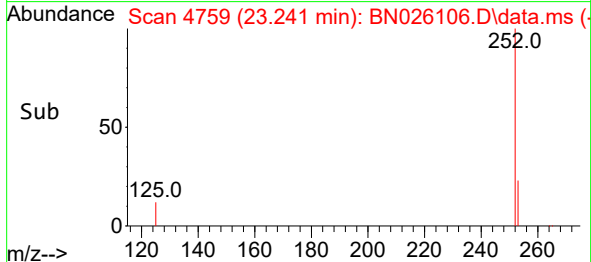
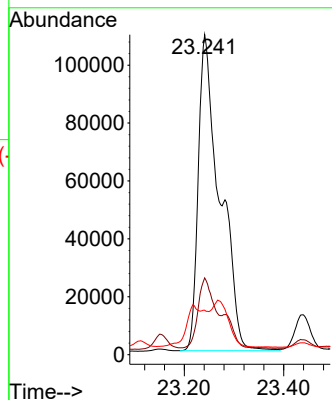
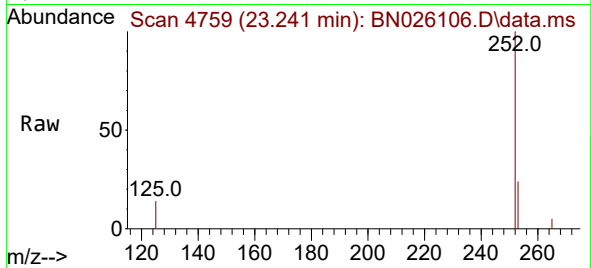




#24
Benzo(b)fluoranthene
Concen: 4.798 ng/ul
RT: 23.241 min Scan# 4759
Delta R.T. -0.012 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

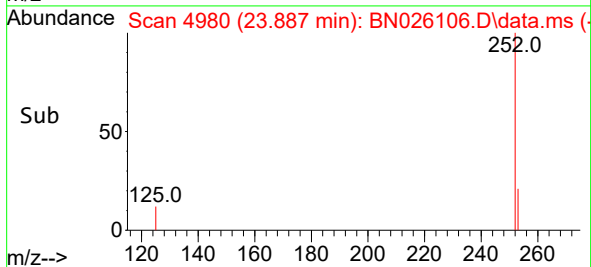
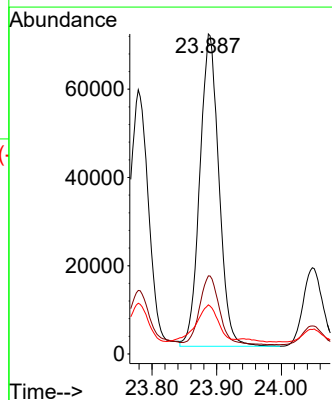
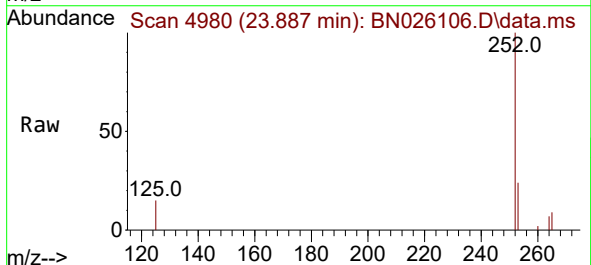
Instrument :
BNA_N
ClientSampleId :
DCFV5

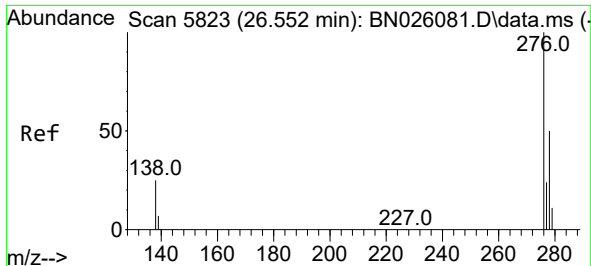
Tgt Ion:252 Resp: 328749
Ion Ratio Lower Upper
252 100
253 24.0 0.0 55.6
125 13.9 0.0 35.8



#26
Benzo(a)pyrene
Concen: 2.433 ng/ul
RT: 23.887 min Scan# 4980
Delta R.T. -0.018 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

Tgt Ion:252 Resp: 144789
Ion Ratio Lower Upper
252 100
253 24.4 26.0 39.0#
125 15.4 17.3 25.9#

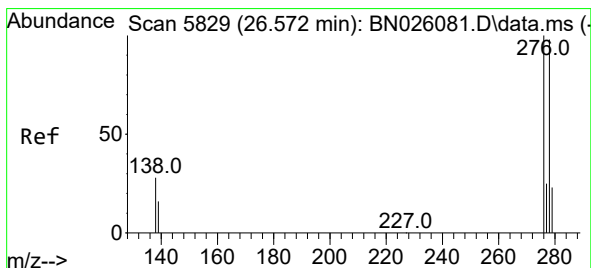
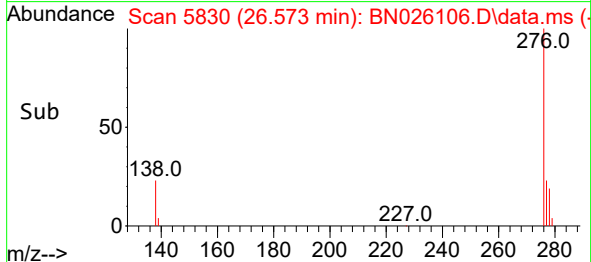
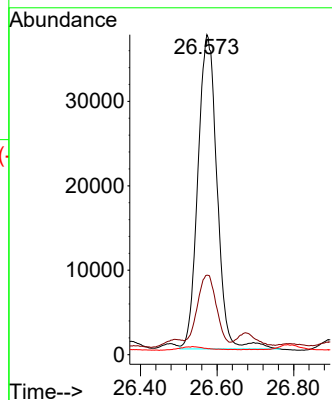
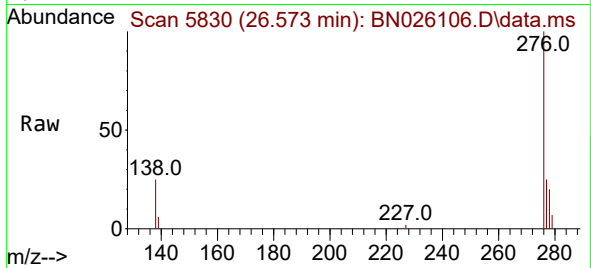




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.985 ng/ul
 RT: 26.573 min Scan# 5830
 Delta R.T. -0.021 min
 Lab File: BN026106.D
 Acq: 29 Jun 2023 22:10

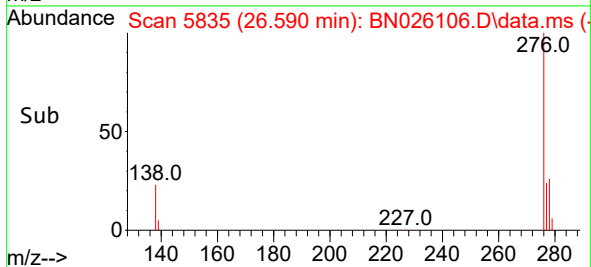
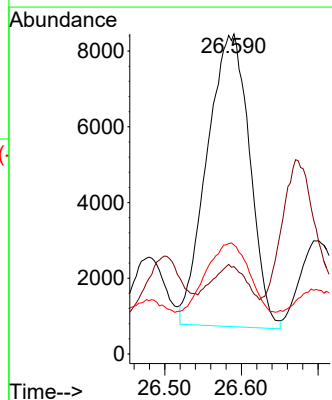
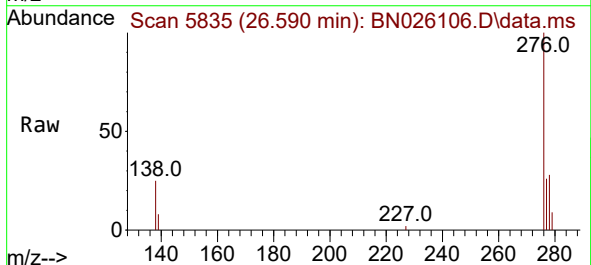
Instrument :
 BNA_N
 ClientSampleId :
 DCFV5

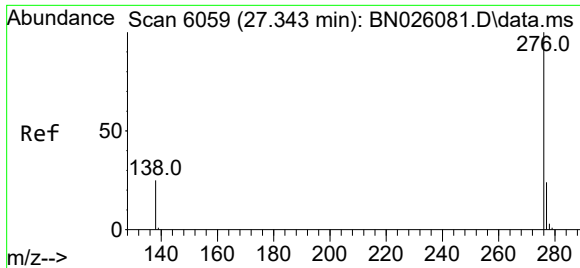
Tgt Ion:276 Resp: 129013
 Ion Ratio Lower Upper
 276 100
 138 22.9 24.5 36.7#
 227 0.0 0.0 0.0



#28
 Dibenzo(a,h)anthracene
 Concen: 0.607 ng/ul
 RT: 26.590 min Scan# 5835
 Delta R.T. -0.024 min
 Lab File: BN026106.D
 Acq: 29 Jun 2023 22:10

Tgt Ion:278 Resp: 29849
 Ion Ratio Lower Upper
 278 100
 139 27.3 19.0 28.4
 279 34.1 26.7 40.1





#29
Benzo(g,h,i)perylene
Concen: 2.034 ng/ul
RT: 27.375 min Scan# 6069
Delta R.T. -0.011 min
Lab File: BN026106.D
Acq: 29 Jun 2023 22:10

Instrument :
BNA_N
ClientSampleId :
DCFV5

Tgt Ion:276 Resp: 117638
Ion Ratio Lower Upper
276 100
138 25.7 23.4 35.0
277 24.5 20.0 30.0

