

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062923\
 Data File : BN026094.D
 Acq On : 29 Jun 2023 14:49
 Operator : MA/JU
 Sample : 03142-04DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFS3DL

Quant Time: Jun 30 00:43:55 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)

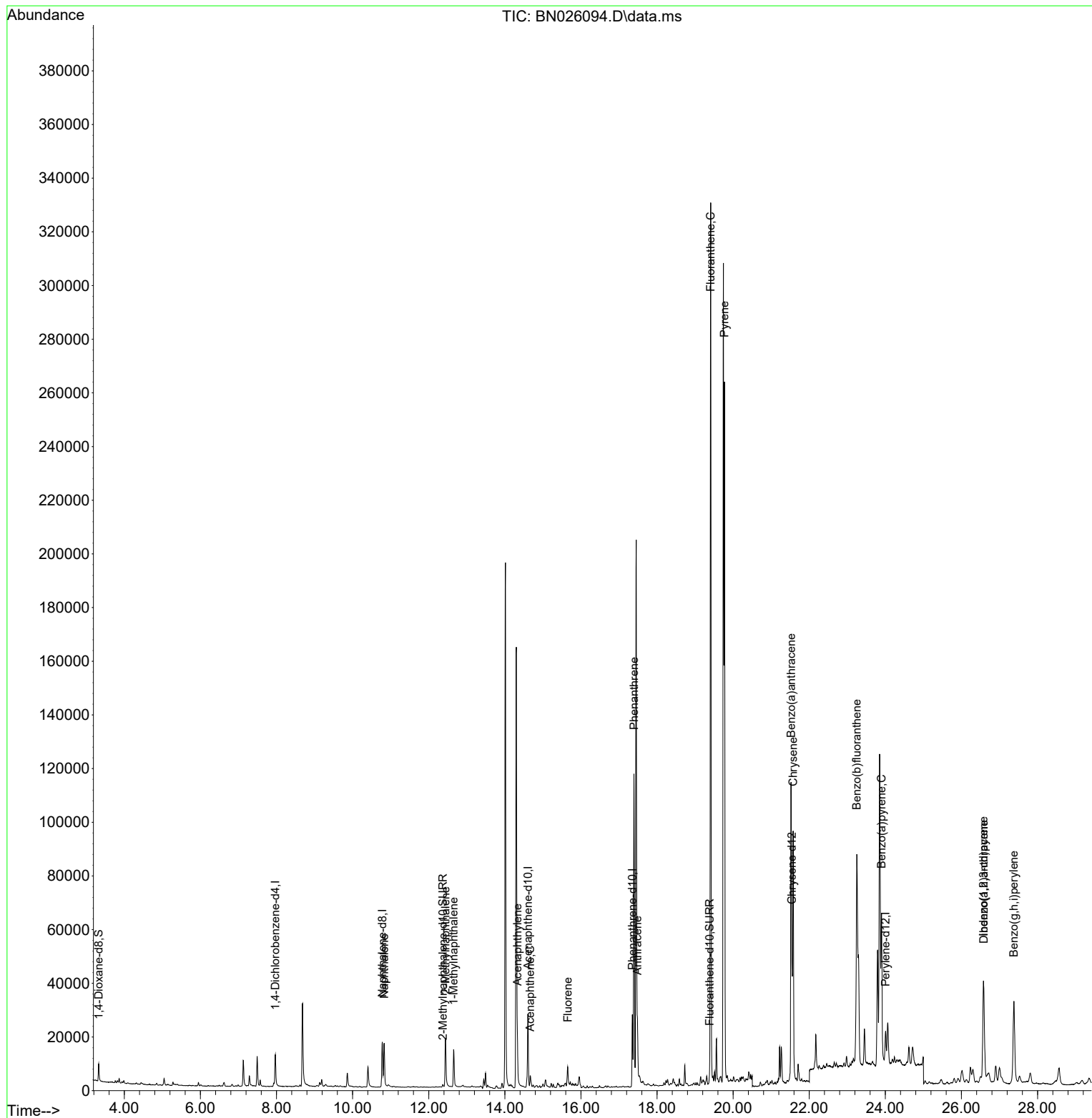
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.967	152	7712	0.400	ng/ul	0.00
4) Naphthalene-d8	10.780	136	25866	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.607	164	15607	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.351	188	32382	0.400	ng/ul	0.00
17) Chrysene-d12	21.540	240	19198	0.400	ng/ul	0.00
23) Perylene-d12	24.007	264	17117	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.326	96	4673	0.538	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.369	152	1481	0.037	ng/ul	0.00
18) Fluoranthene-d10	19.381	212	3241	0.044	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.829	128	25057	0.338	ng/ul	99
7) 2-Methylnaphthalene	12.441	142	15612	0.331	ng/ul	99
8) 1-Methylnaphthalene	12.655	142	10749	0.220	ng/ul	99
10) Acenaphthylene	14.329	152	17956	0.246	ng/ul	97
11) Acenaphthene	14.667	153	2766	0.046	ng/ul	97
12) Fluorene	15.652	166	4719	0.069	ng/ul#	94
15) Phenanthrene	17.393	178	129038	1.206	ng/ul	99
16) Anthracene	17.486	178	22403	0.236	ng/ul	98
19) Fluoranthene	19.409	202	284946	2.779	ng/ul	98
20) Pyrene	19.771	202	217424	2.039	ng/ul	98
21) Benzo(a)anthracene	21.522	228	97660	1.233	ng/ul	97
22) Chrysene	21.575	228	107938	1.310	ng/ul	98
24) Benzo(b)fluoranthene	23.250	252	187447	2.566	ng/ul	93
26) Benzo(a)pyrene	23.899	252	80013	1.261	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.580	276	67986	0.981	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.587	278	15289	0.291	ng/ul#	90
29) Benzo(g,h,i)perylene	27.378	276	65212	1.058	ng/ul	96

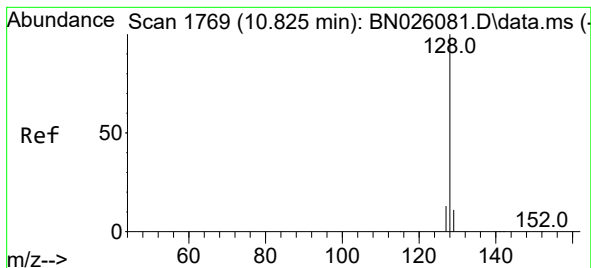
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.338 ng/ul

RT: 10.829 min Scan# 1769

Delta R.T. -0.007 min

Lab File: BN026094.D

Acq: 29 Jun 2023 14:49

Instrument :

BNA_N

ClientSampleId :

DCFS3DL

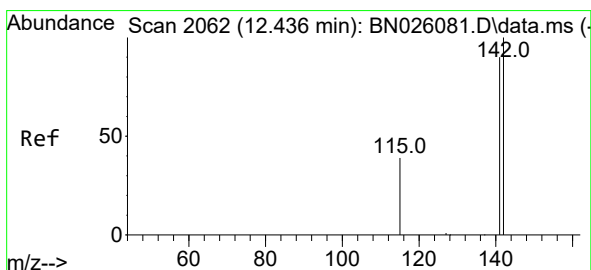
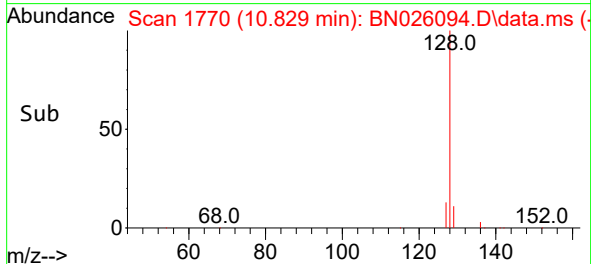
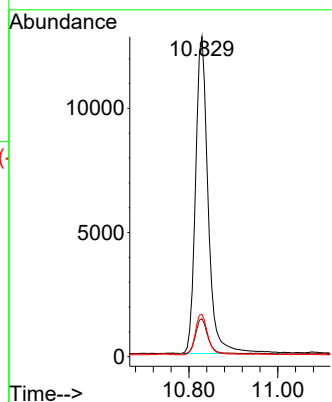
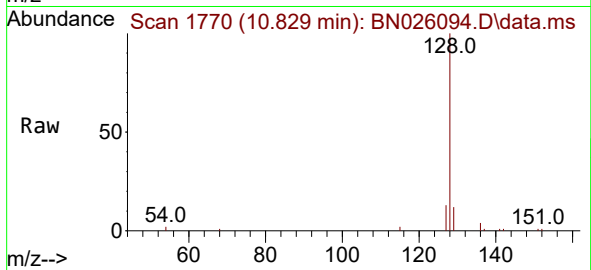
Tgt Ion:128 Resp: 25057

Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

127 13.3 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.331 ng/ul

RT: 12.441 min Scan# 2063

Delta R.T. -0.007 min

Lab File: BN026094.D

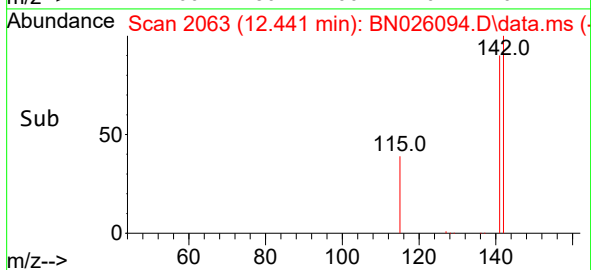
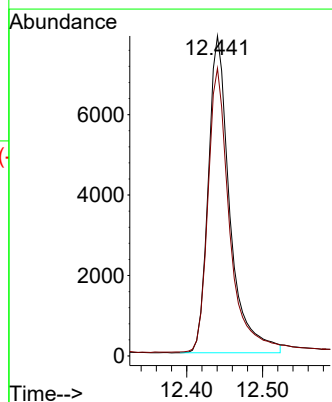
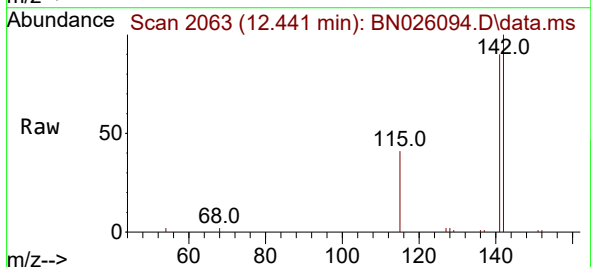
Acq: 29 Jun 2023 14:49

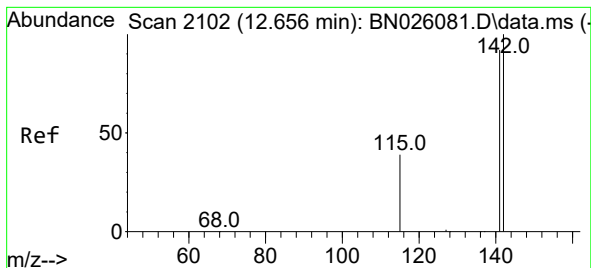
Tgt Ion:142 Resp: 15612

Ion Ratio Lower Upper

142 100

141 89.3 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.220 ng/ul

RT: 12.655 min Scan# 2102

Delta R.T. -0.007 min

Lab File: BN026094.D

Acq: 29 Jun 2023 14:49

Instrument :

BNA_N

ClientSampleId :

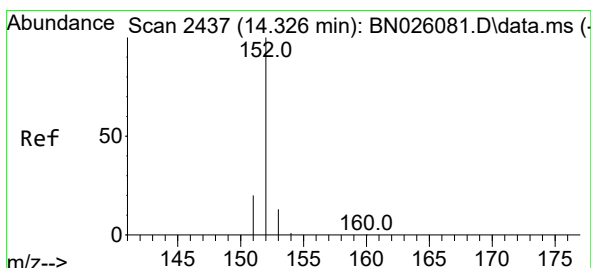
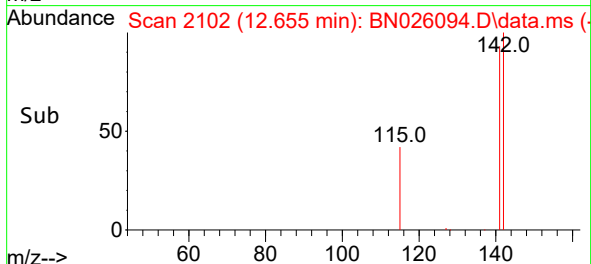
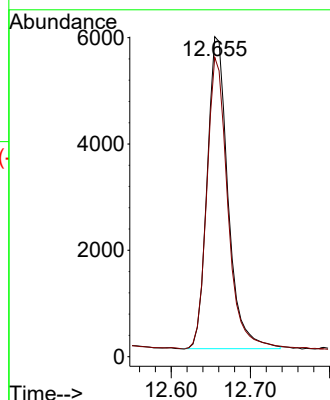
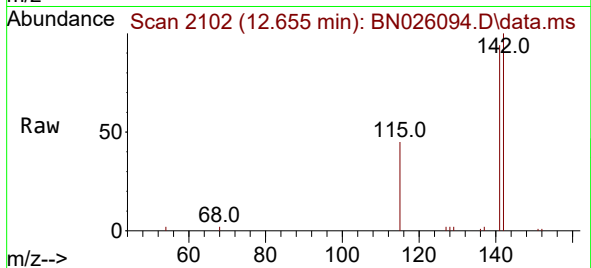
DCFS3DL

Tgt Ion:142 Resp: 10749

Ion Ratio Lower Upper

142 100

141 93.9 74.2 111.4



#10

Acenaphthylene

Concen: 0.246 ng/ul

RT: 14.329 min Scan# 2438

Delta R.T. -0.000 min

Lab File: BN026094.D

Acq: 29 Jun 2023 14:49

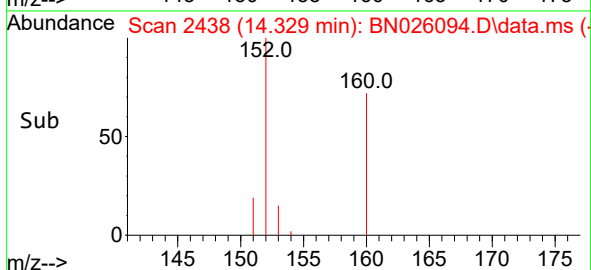
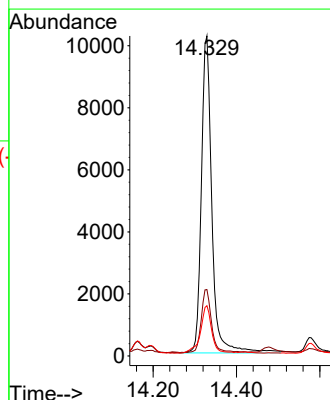
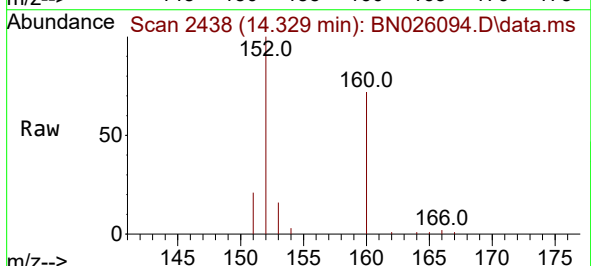
Tgt Ion:152 Resp: 17956

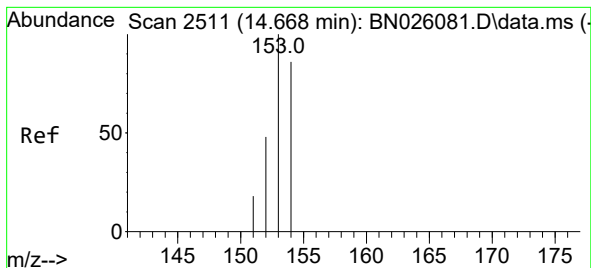
Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

153 15.7 10.9 16.3





#11

Acenaphthene

Concen: 0.046 ng/ul

RT: 14.667 min Scan# 2511

Delta R.T. -0.005 min

Lab File: BN026094.D

Acq: 29 Jun 2023 14:49

Instrument :

BNA_N

ClientSampleId :

DCFS3DL

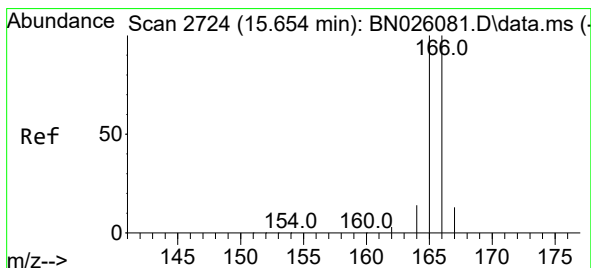
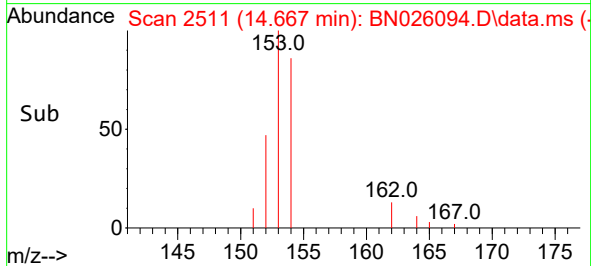
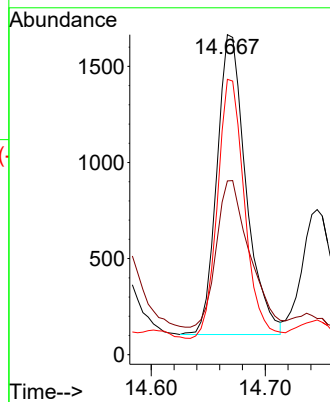
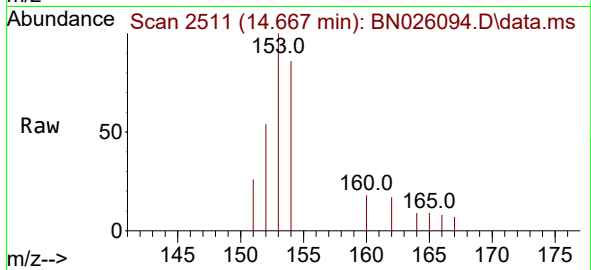
Tgt Ion:153 Resp: 2766

Ion Ratio Lower Upper

153 100

152 54.3 39.4 59.0

154 86.1 68.9 103.3



#12

Fluorene

Concen: 0.069 ng/ul

RT: 15.652 min Scan# 2724

Delta R.T. -0.010 min

Lab File: BN026094.D

Acq: 29 Jun 2023 14:49

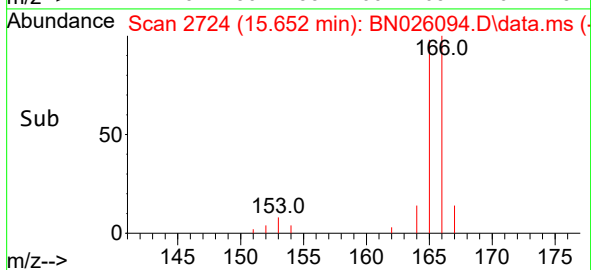
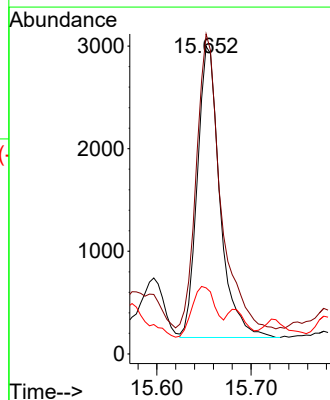
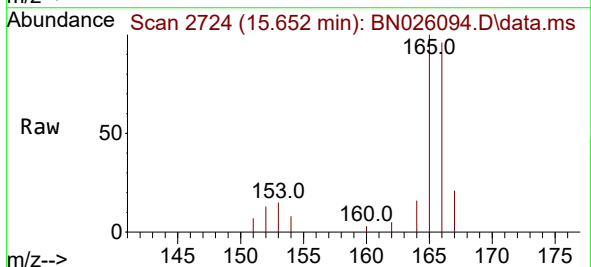
Tgt Ion:166 Resp: 4719

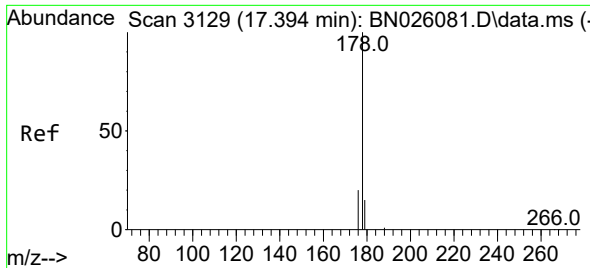
Ion Ratio Lower Upper

166 100

165 104.1 79.9 119.9

167 21.5 10.8 16.2#

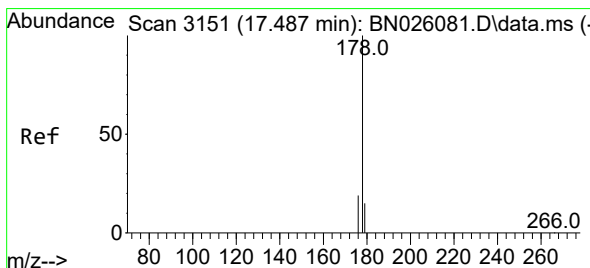
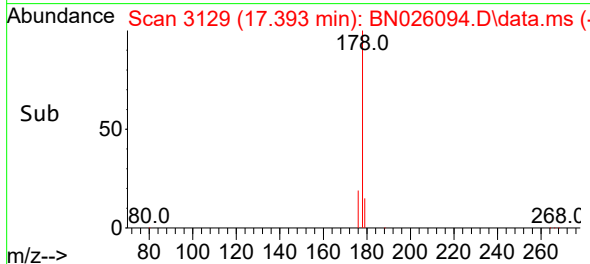
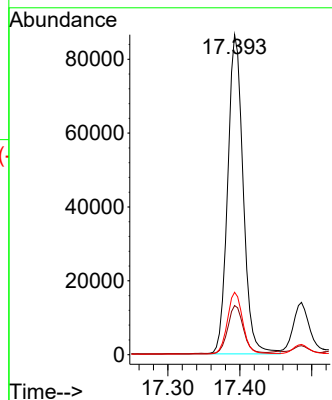
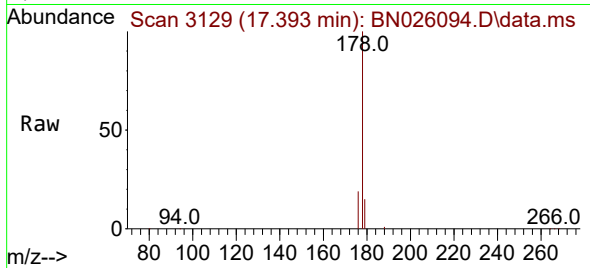




#15
Phenanthrene
Concen: 1.206 ng/ul
RT: 17.393 min Scan# 3129
Delta R.T. -0.009 min
Lab File: BN026094.D
Acq: 29 Jun 2023 14:49

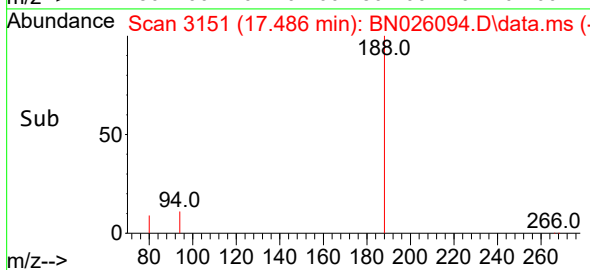
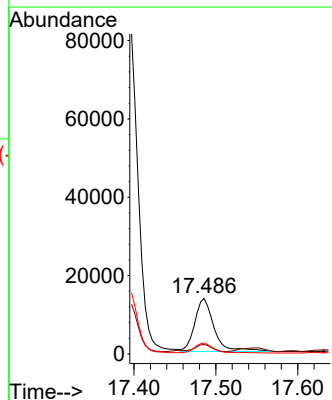
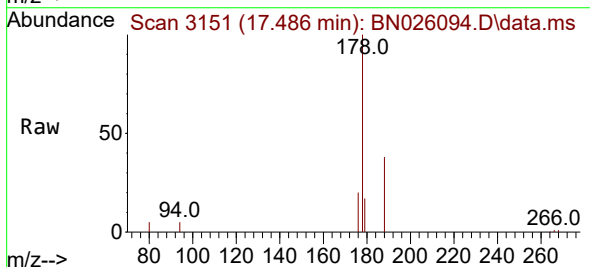
Instrument :
BNA_N
ClientSampleId :
DCFS3DL

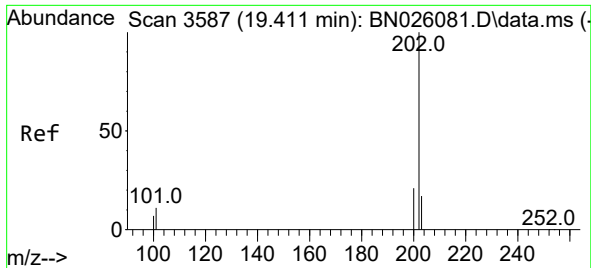
Tgt Ion:178 Resp: 129038
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.5 15.8 23.6



#16
Anthracene
Concen: 0.236 ng/ul
RT: 17.486 min Scan# 3151
Delta R.T. -0.009 min
Lab File: BN026094.D
Acq: 29 Jun 2023 14:49

Tgt Ion:178 Resp: 22403
Ion Ratio Lower Upper
178 100
179 17.0 12.6 18.8
176 19.6 15.1 22.7

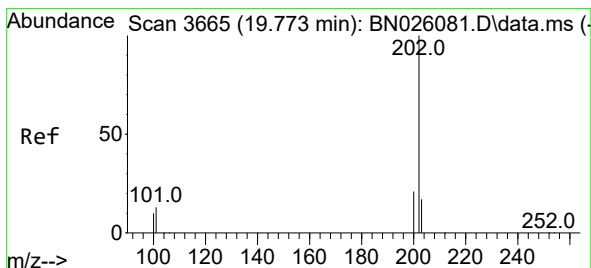
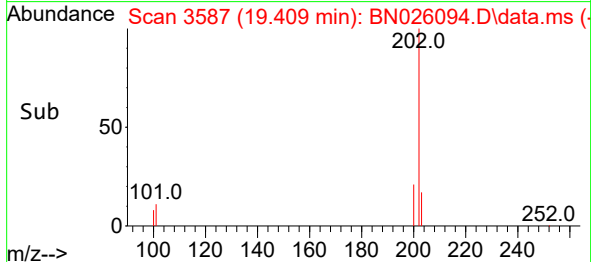
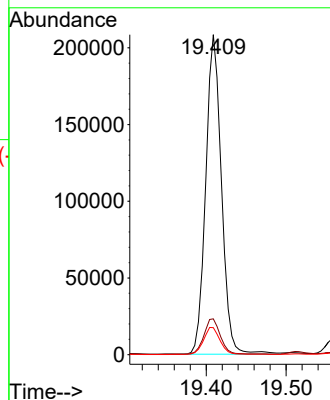
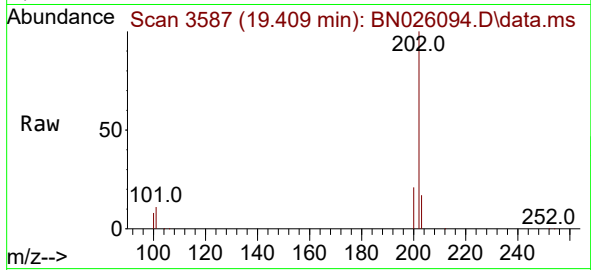




#19
Fluoranthene
Concen: 2.779 ng/ul
RT: 19.409 min Scan# 3587
Delta R.T. -0.006 min
Lab File: BN026094.D
Acq: 29 Jun 2023 14:49

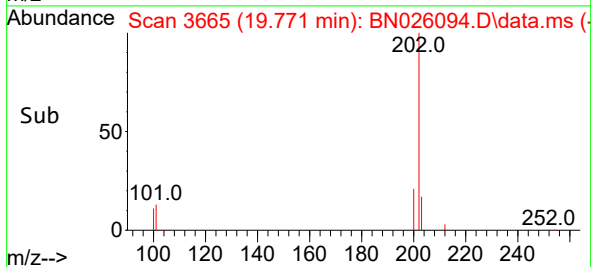
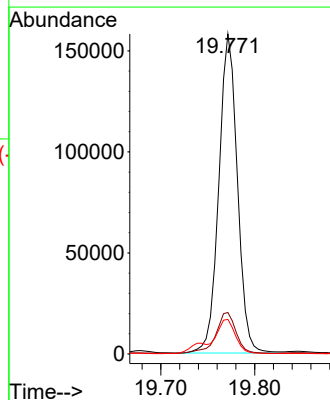
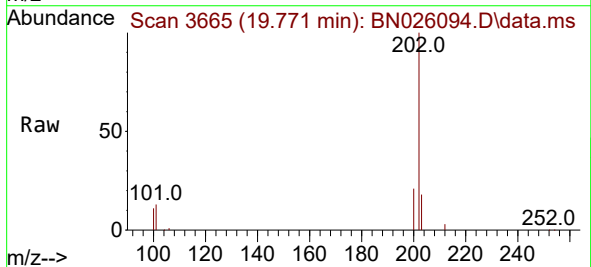
Instrument :
BNA_N
ClientSampleId :
DCFS3DL

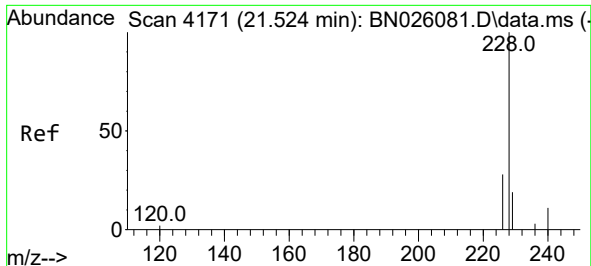
Tgt Ion:202 Resp: 284946
Ion Ratio Lower Upper
202 100
101 11.2 9.5 14.3
100 8.4 7.3 10.9



#20
Pyrene
Concen: 2.039 ng/ul
RT: 19.771 min Scan# 3665
Delta R.T. -0.006 min
Lab File: BN026094.D
Acq: 29 Jun 2023 14:49

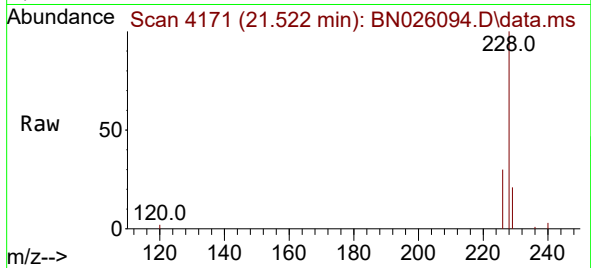
Tgt Ion:202 Resp: 217424
Ion Ratio Lower Upper
202 100
101 12.9 11.4 17.0
100 10.8 9.1 13.7



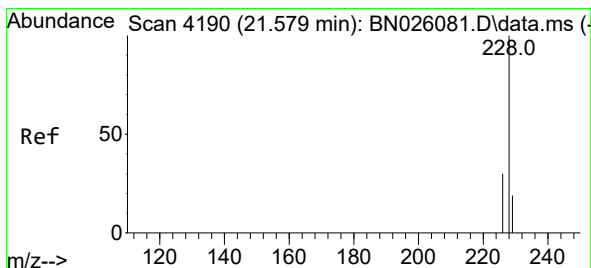
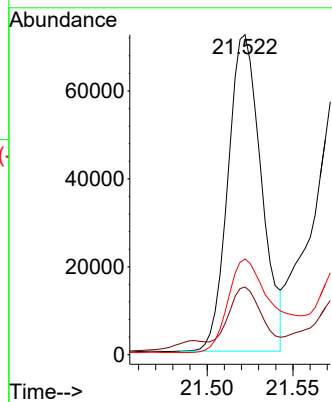
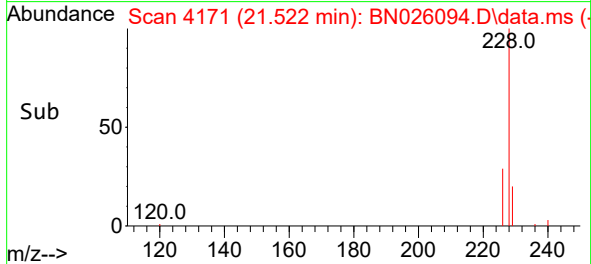


#21
Benzo(a)anthracene
Concen: 1.233 ng/ul
RT: 21.522 min Scan# 4171
Delta R.T. -0.007 min
Lab File: BN026094.D
Acq: 29 Jun 2023 14:49

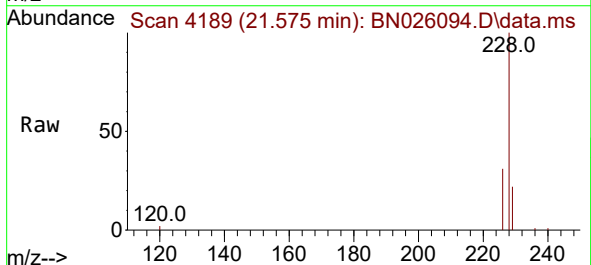
Instrument :
BNA_N
ClientSampleId :
DCFS3DL



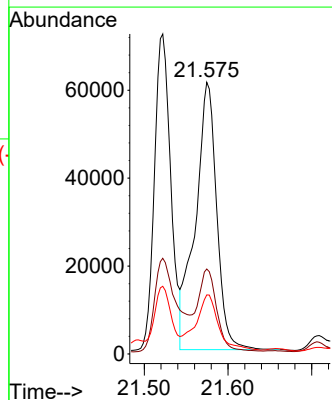
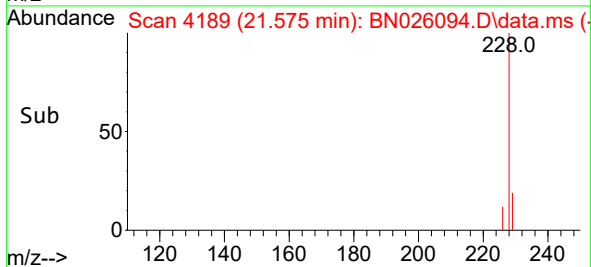
Tgt Ion:228 Resp: 97660
Ion Ratio Lower Upper
228 100
229 21.1 15.8 23.6
226 29.9 22.5 33.7

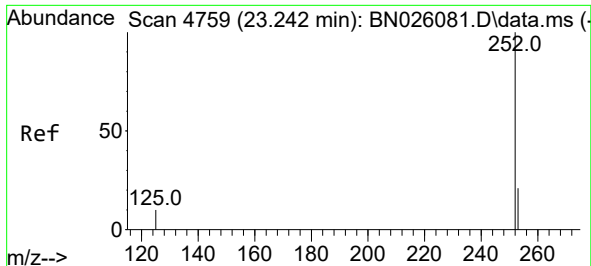


#22
Chrysene
Concen: 1.310 ng/ul
RT: 21.575 min Scan# 4189
Delta R.T. -0.004 min
Lab File: BN026094.D
Acq: 29 Jun 2023 14:49



Tgt Ion:228 Resp: 107938
Ion Ratio Lower Upper
228 100
226 31.3 24.8 37.2
229 21.7 15.7 23.5

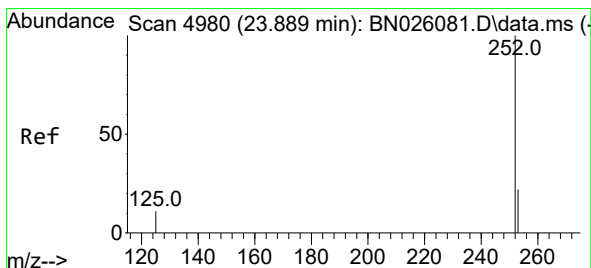
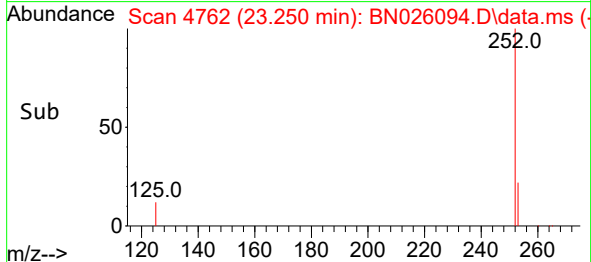
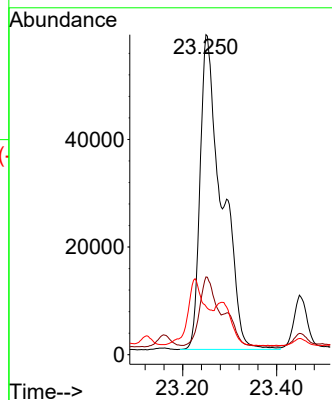
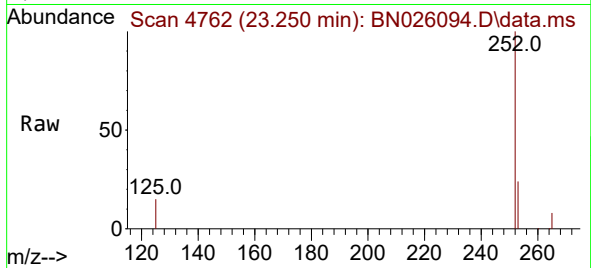




#24
Benzo(b)fluoranthene
Concen: 2.566 ng/ul
RT: 23.250 min Scan# 4759
Delta R.T. -0.004 min
Lab File: BN026094.D
Acq: 29 Jun 2023 14:49

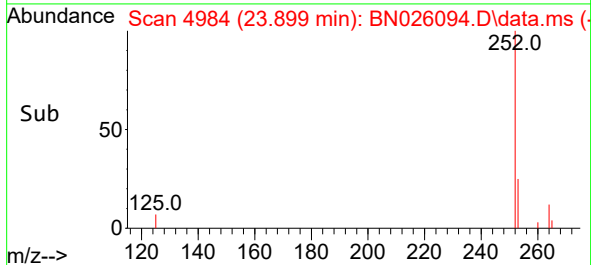
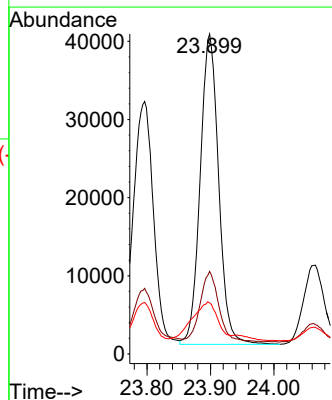
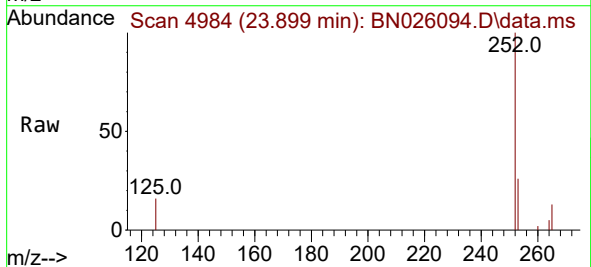
Instrument :
BNA_N
ClientSampleId :
DCFS3DL

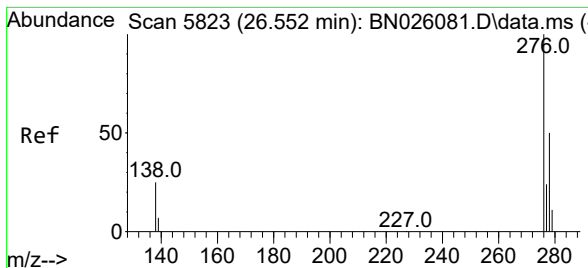
Tgt Ion:252 Resp: 187447
Ion Ratio Lower Upper
252 100
253 24.3 0.0 55.6
125 15.1 0.0 35.8



#26
Benzo(a)pyrene
Concen: 1.261 ng/ul
RT: 23.899 min Scan# 4984
Delta R.T. -0.007 min
Lab File: BN026094.D
Acq: 29 Jun 2023 14:49

Tgt Ion:252 Resp: 80013
Ion Ratio Lower Upper
252 100
253 25.8 26.0 39.0#
125 16.0 17.3 25.9#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.981 ng/ul

RT: 26.580 min Scan# 5832

Delta R.T. -0.014 min

Lab File: BN026094.D

Acq: 29 Jun 2023 14:49

Instrument :

BNA_N

ClientSampleId :

DCFS3DL

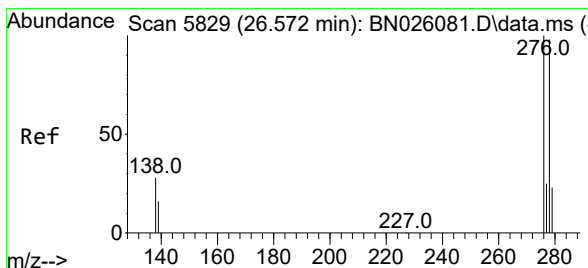
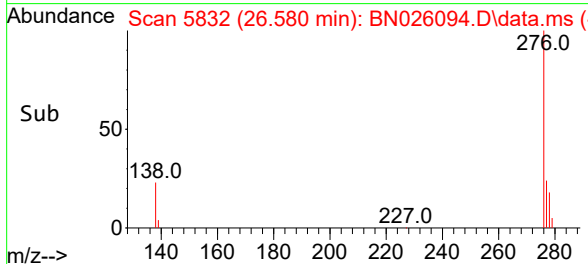
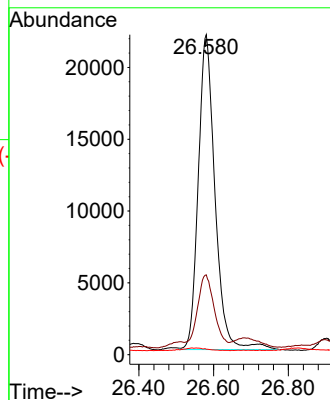
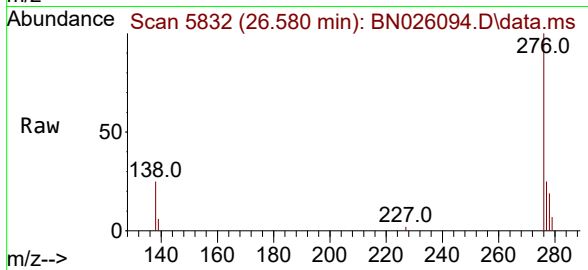
Tgt Ion:276 Resp: 67986

Ion Ratio Lower Upper

276 100

138 23.5 24.5 36.7#

227 0.0 0.0 0.0



#28

Dibenzo(a,h)anthracene

Concen: 0.291 ng/ul

RT: 26.587 min Scan# 5834

Delta R.T. -0.028 min

Lab File: BN026094.D

Acq: 29 Jun 2023 14:49

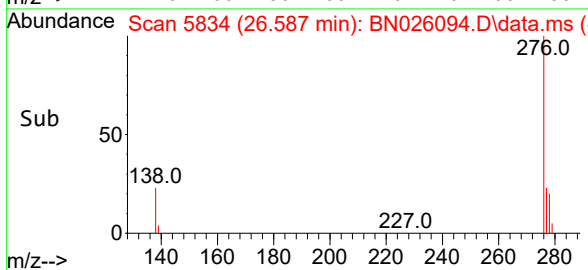
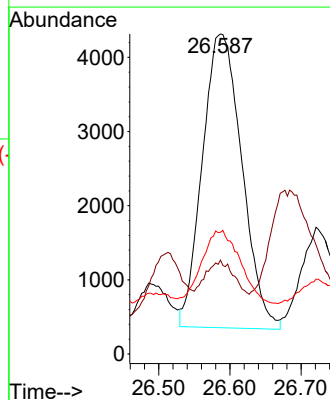
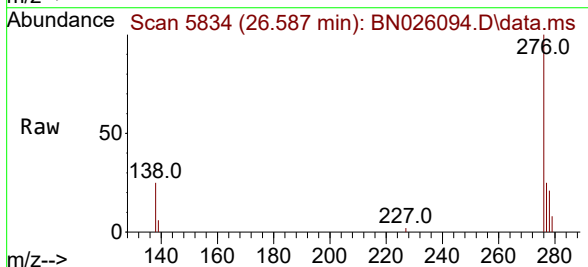
Tgt Ion:278 Resp: 15289

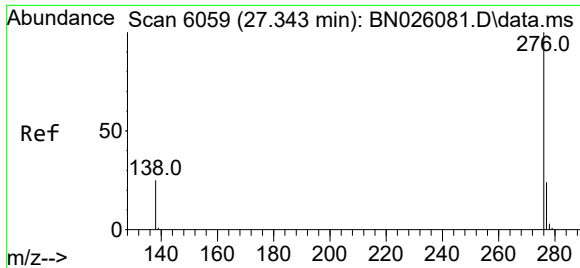
Ion Ratio Lower Upper

278 100

139 29.4 19.0 28.4#

279 38.0 26.7 40.1





#29
 Benzo(g,h,i)perylene
 Concen: 1.058 ng/ul
 RT: 27.378 min Scan# 60
 Delta R.T. -0.008 min
 Lab File: BN026094.D
 Acq: 29 Jun 2023 14:49

Instrument :
 BNA_N
 ClientSampleId :
 DCFS3DL

Tgt Ion:	276	Resp:	65212
Ion	Ratio	Lower	Upper
276	100		
138	25.6	23.4	35.0
277	24.9	20.0	30.0

