

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070223\
 Data File : BN026186.D
 Acq On : 02 Jul 2023 13:18
 Operator : MA/JU
 Sample : 03247-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCGL4

Quant Time: Jul 03 05:39:52 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 : Sat Jul 01 01:46:24 2023
 Response via : Initial Calibration

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

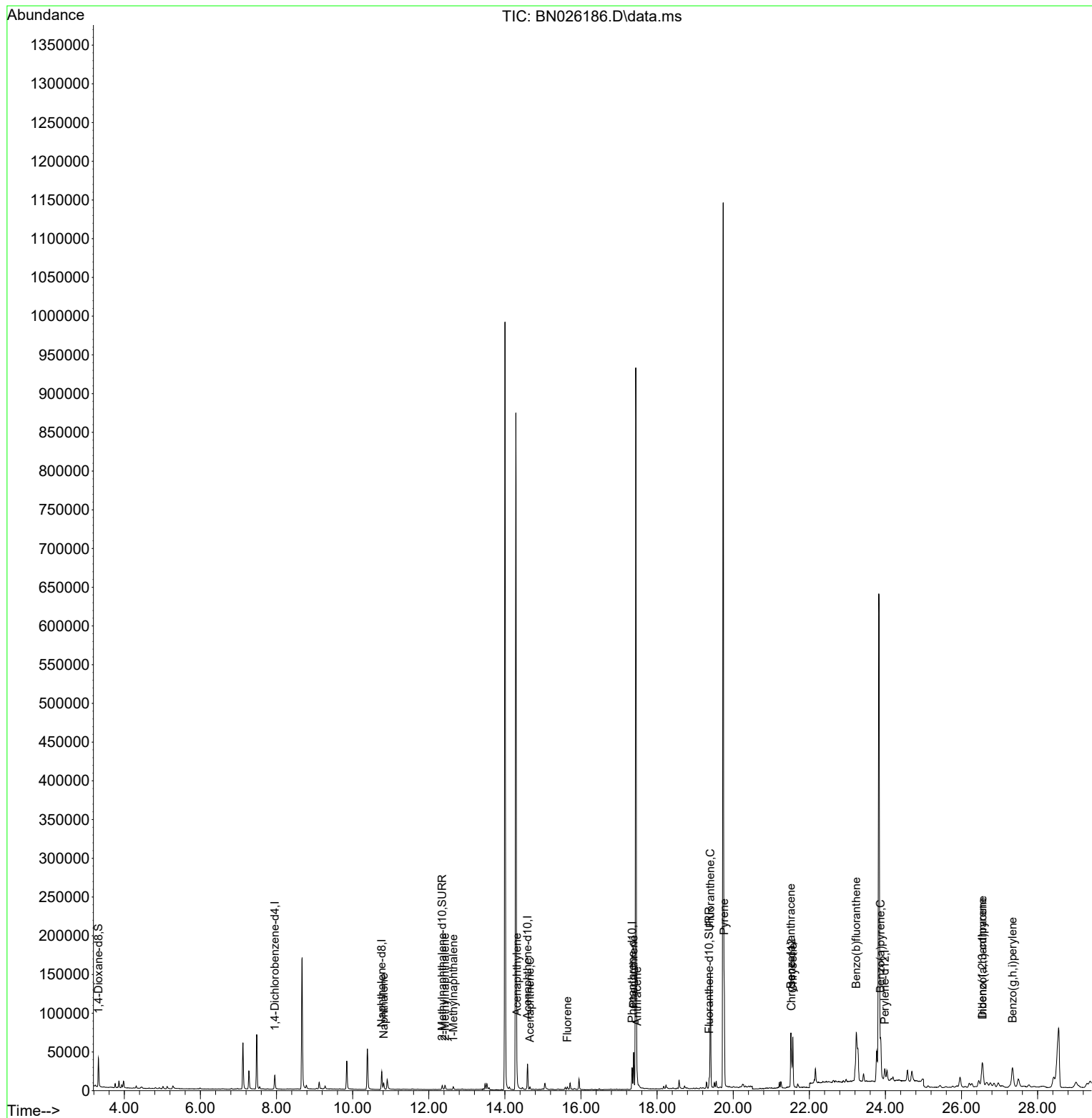
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	10343	0.400	ng/ul	0.00
4) Naphthalene-d8	10.764	136	32589	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.594	164	18394	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.343	188	33774	0.400	ng/ul	0.00
17) Chrysene-d12	21.530	240	19710	0.400	ng/ul	-0.01
23) Perylene-d12	23.985	264	22200	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.318	96	24964	2.143	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.354	152	7631	0.152	ng/ul	-0.01
18) Fluoranthene-d10	19.369	212	13200	0.176	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.814	128	11930	0.128	ng/ul	97
7) 2-Methylnaphthalene	12.425	142	4322	0.073	ng/ul	99
8) 1-Methylnaphthalene	12.645	142	2538	0.041	ng/ul	98
10) Acenaphthylene	14.316	152	8944	0.104	ng/ul	96
11) Acenaphthene	14.659	153	1994	0.028	ng/ul	97
12) Fluorene	15.644	166	2282	0.028	ng/ul#	96
15) Phenanthrene	17.386	178	50393	0.452	ng/ul	100
16) Anthracene	17.474	178	9187	0.093	ng/ul#	93
19) Fluoranthene	19.401	202	129148	1.227	ng/ul	100
20) Pyrene	19.764	202	105735	0.966	ng/ul	98
21) Benzo(a)anthracene	21.515	228	59725	0.735	ng/ul	95
22) Chrysene	21.568	228	69483	0.821	ng/ul	97
24) Benzo(b)fluoranthene	23.234	252	155025	1.636	ng/ul	96
26) Benzo(a)pyrene	23.874	252	70188	0.853	ng/ul	90
27) Indeno(1,2,3-cd)pyrene	26.548	276	64746	0.720	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.555	278	14402	0.212	ng/ul#	81
29) Benzo(g,h,i)perylene	27.340	276	62037	0.776	ng/ul	98

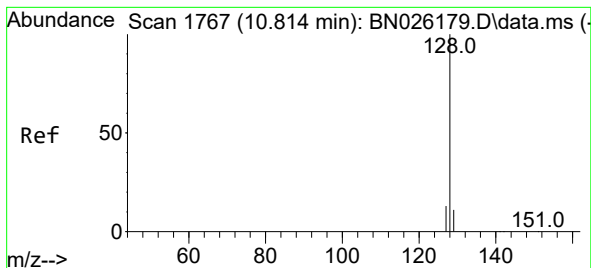
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.128 ng/ul

RT: 10.814 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN026186.D

Acq: 02 Jul 2023 13:18

Instrument :

BNA_N

ClientSampleId :

DCGL4

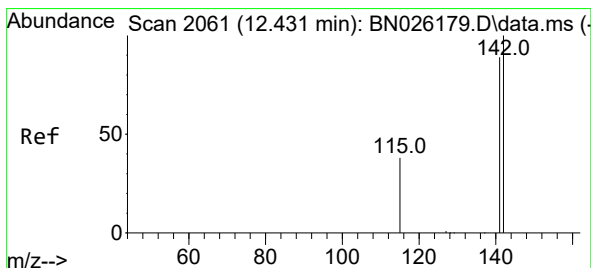
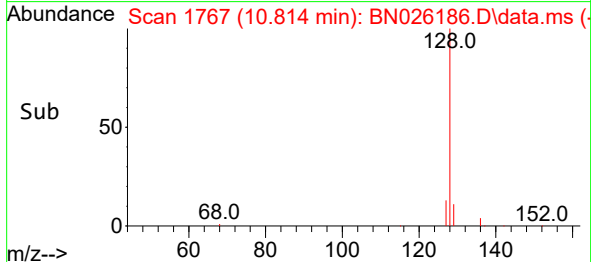
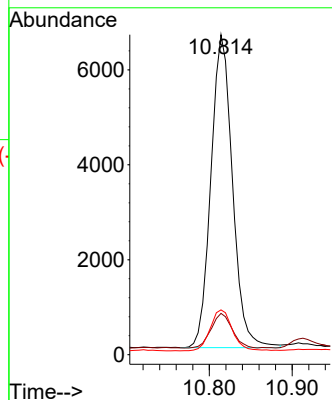
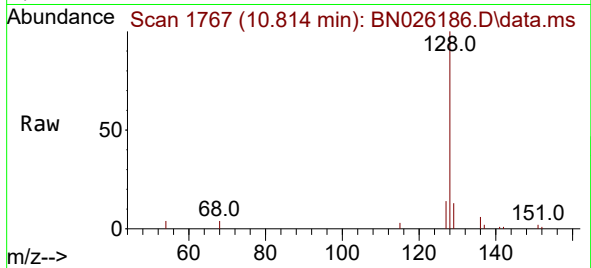
Tgt Ion:128 Resp: 11930

Ion Ratio Lower Upper

128 100

129 12.9 9.1 13.7

127 14.0 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.073 ng/ul

RT: 12.425 min Scan# 2060

Delta R.T. -0.011 min

Lab File: BN026186.D

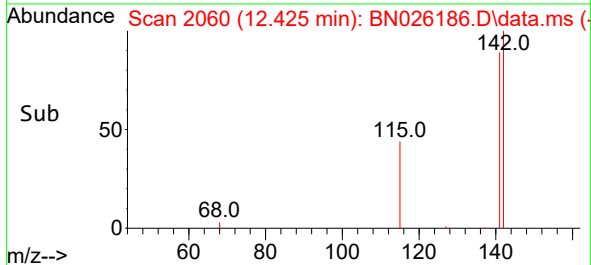
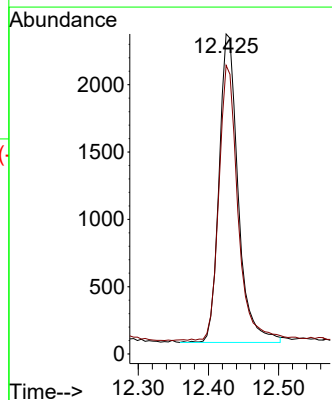
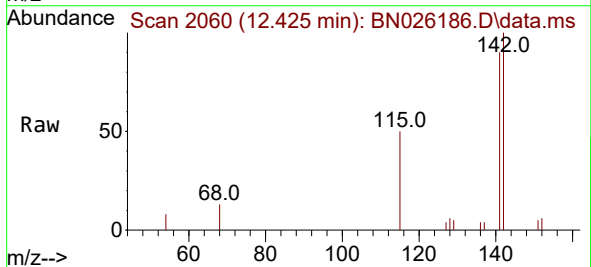
Acq: 02 Jul 2023 13:18

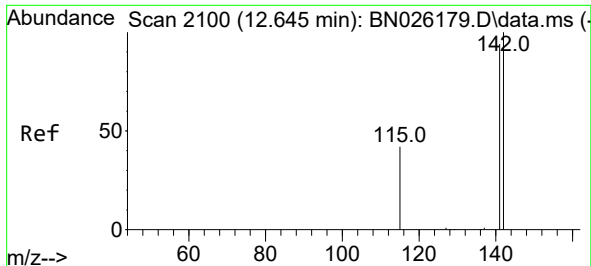
Tgt Ion:142 Resp: 4322

Ion Ratio Lower Upper

142 100

141 89.1 71.9 107.9

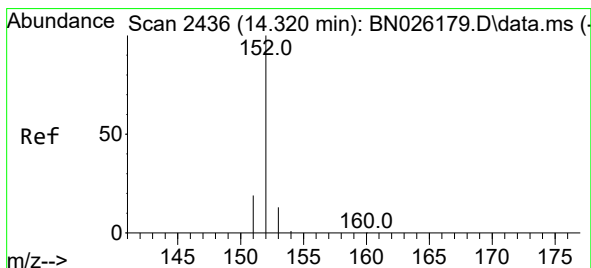
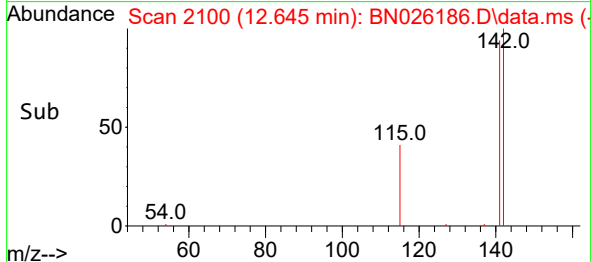
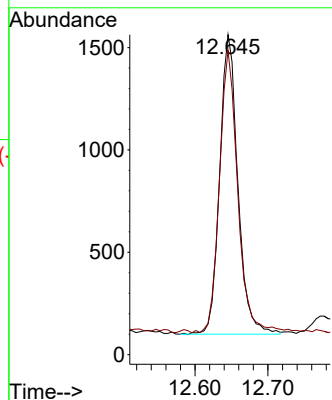
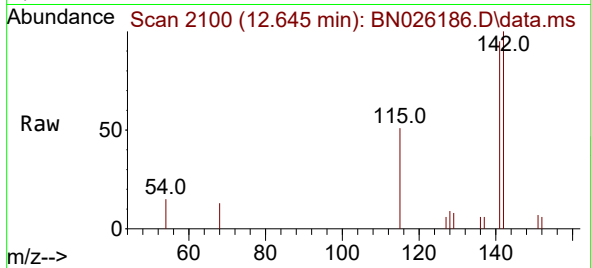




#8
1-Methylnaphthalene
Concen: 0.041 ng/ul
RT: 12.645 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BN026186.D
Acq: 02 Jul 2023 13:18

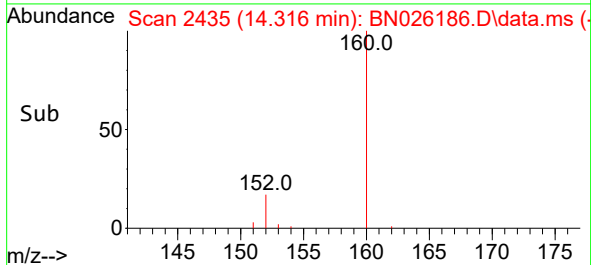
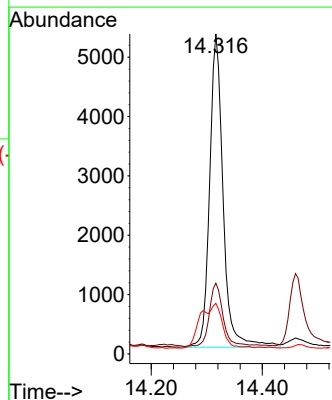
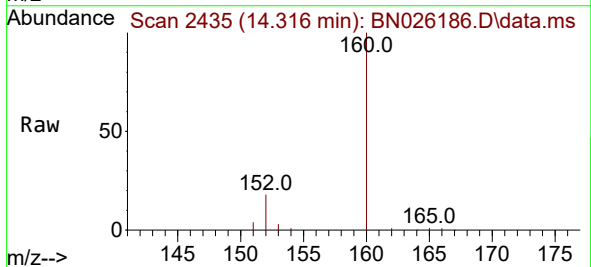
Instrument :
BNA_N
ClientSampleId :
DCGL4

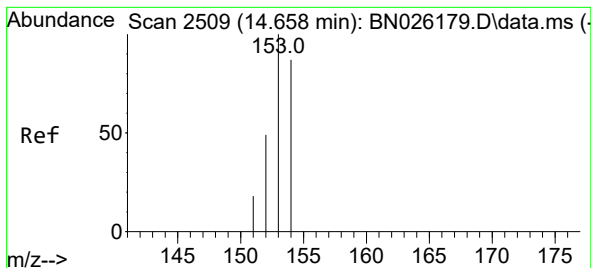
Tgt Ion:142 Resp: 2538
Ion Ratio Lower Upper
142 100
141 94.4 74.2 111.4



#10
Acenaphthylene
Concen: 0.104 ng/ul
RT: 14.316 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN026186.D
Acq: 02 Jul 2023 13:18

Tgt Ion:152 Resp: 8944
Ion Ratio Lower Upper
152 100
151 22.1 16.2 24.4
153 15.8 10.9 16.3





#11

Acenaphthene

Concen: 0.028 ng/ul

RT: 14.659 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN026186.D

Acq: 02 Jul 2023 13:18

Instrument :

BNA_N

ClientSampleId :

DCGL4

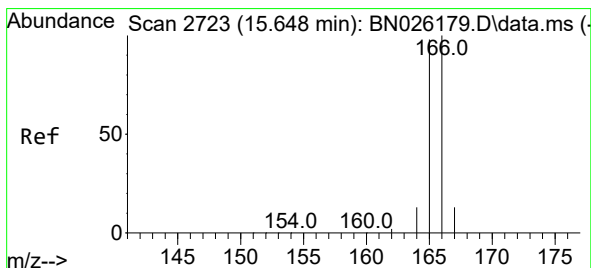
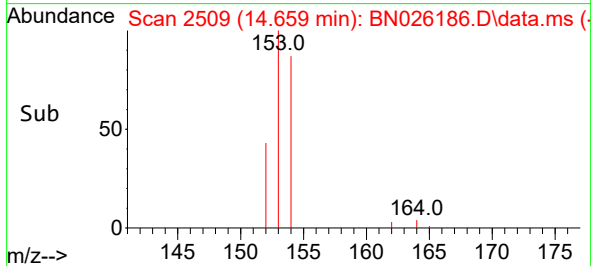
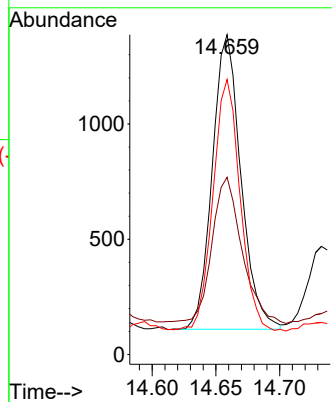
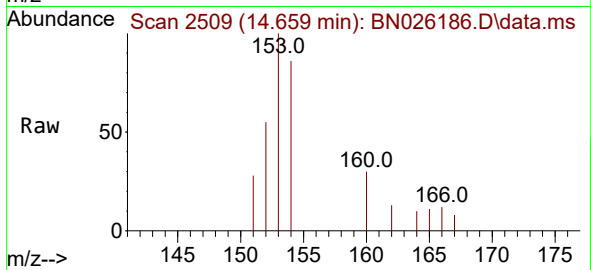
Tgt Ion:153 Resp: 1994

Ion Ratio Lower Upper

153 100

152 55.4 39.4 59.0

154 86.0 68.9 103.3



#12

Fluorene

Concen: 0.028 ng/ul

RT: 15.644 min Scan# 2722

Delta R.T. -0.009 min

Lab File: BN026186.D

Acq: 02 Jul 2023 13:18

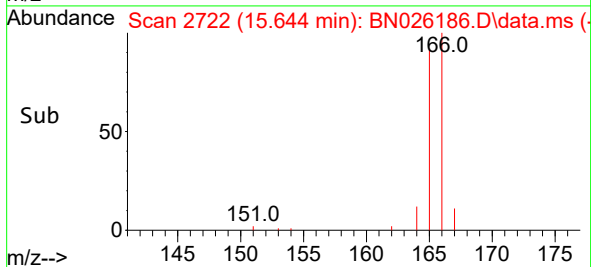
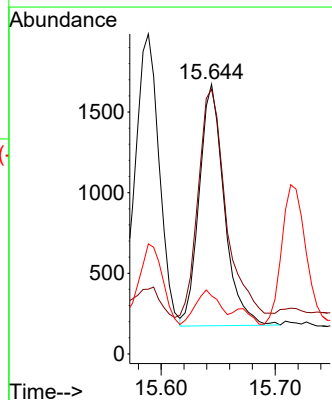
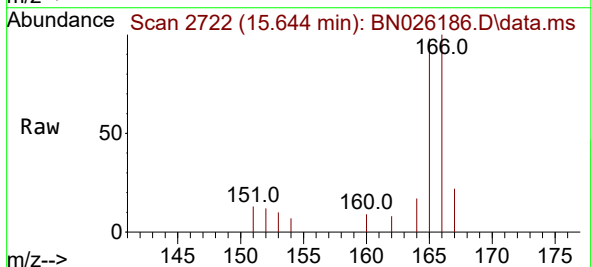
Tgt Ion:166 Resp: 2282

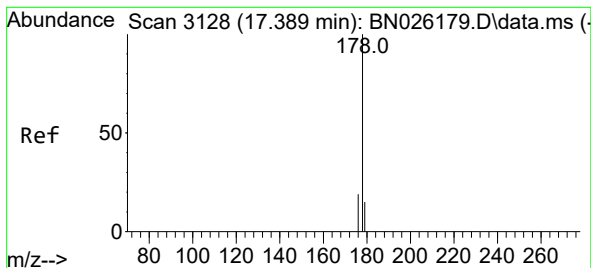
Ion Ratio Lower Upper

166 100

165 98.2 79.9 119.9

167 21.5 10.8 16.2#





#15

Phenanthrene

Concen: 0.452 ng/ul

RT: 17.386 min Scan# 3128

Delta R.T. -0.008 min

Lab File: BN026186.D

Acq: 02 Jul 2023 13:18

Instrument :

BNA_N

ClientSampleId :

DCGL4

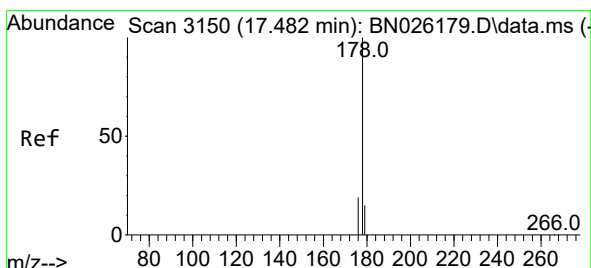
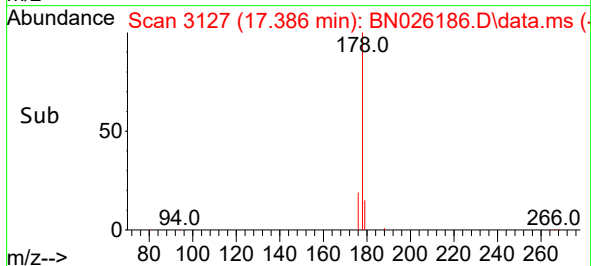
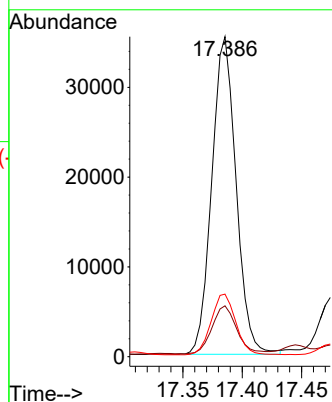
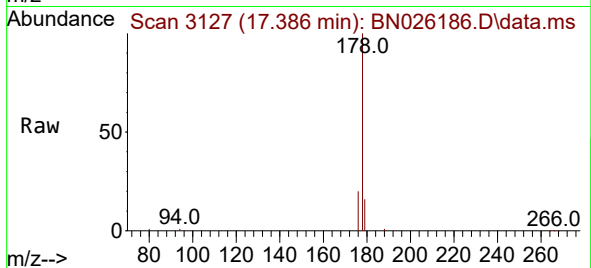
Tgt Ion:178 Resp: 50393

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

176 19.5 15.8 23.6



#16

Anthracene

Concen: 0.093 ng/ul

RT: 17.474 min Scan# 3148

Delta R.T. -0.013 min

Lab File: BN026186.D

Acq: 02 Jul 2023 13:18

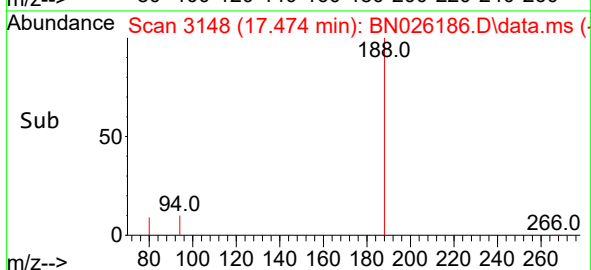
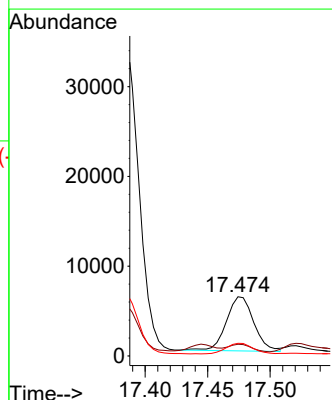
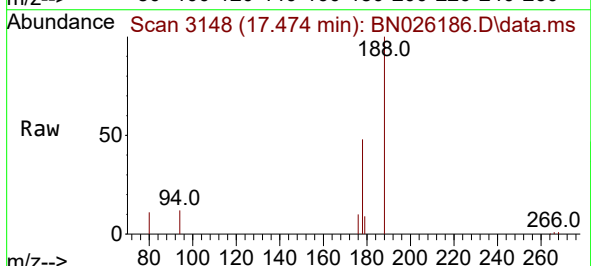
Tgt Ion:178 Resp: 9187

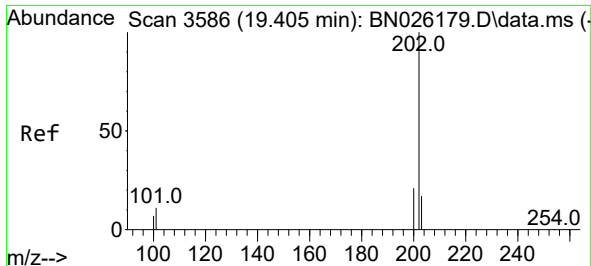
Ion Ratio Lower Upper

178 100

179 19.7 12.6 18.8#

176 21.3 15.1 22.7

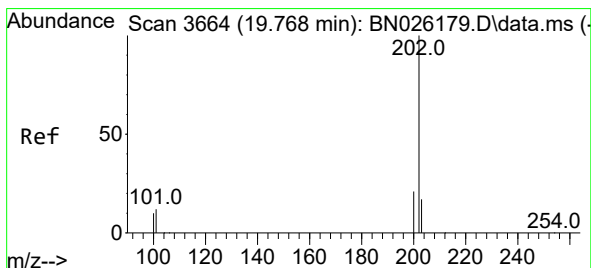
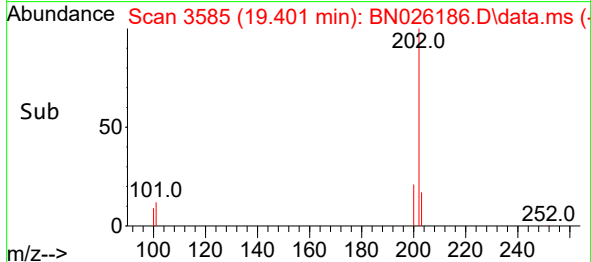
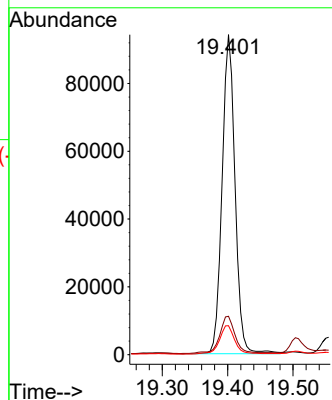
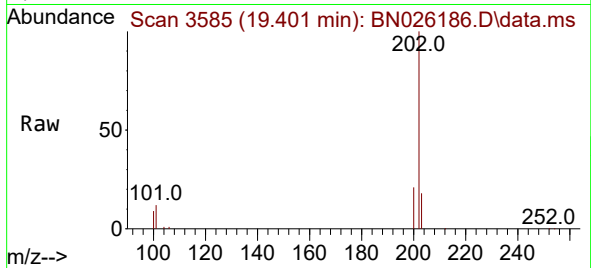




#19
Fluoranthene
Concen: 1.227 ng/ul
RT: 19.401 min Scan# 3585
Delta R.T. -0.009 min
Lab File: BN026186.D
Acq: 02 Jul 2023 13:18

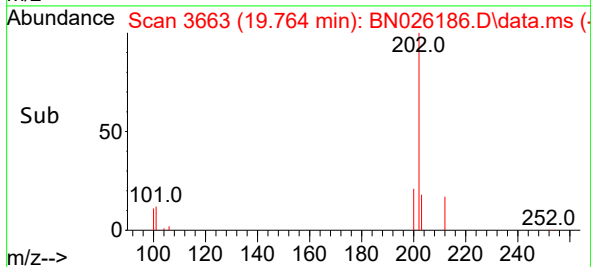
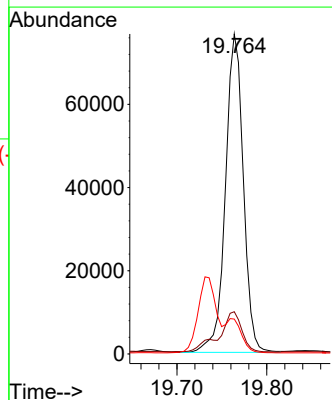
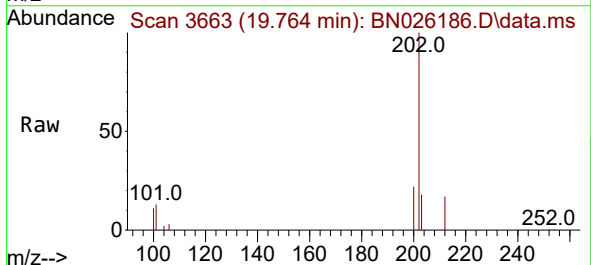
Instrument :
BNA_N
ClientSampleId :
DCGL4

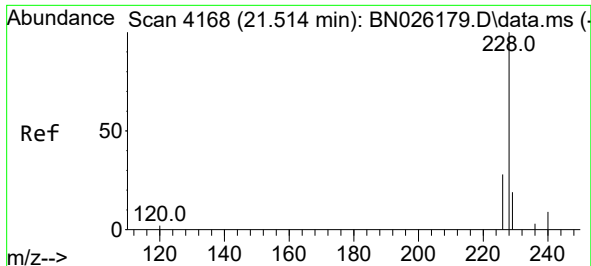
Tgt Ion:202 Resp: 129148
Ion Ratio Lower Upper
202 100
101 12.0 9.5 14.3
100 9.1 7.3 10.9



#20
Pyrene
Concen: 0.966 ng/ul
RT: 19.764 min Scan# 3663
Delta R.T. -0.009 min
Lab File: BN026186.D
Acq: 02 Jul 2023 13:18

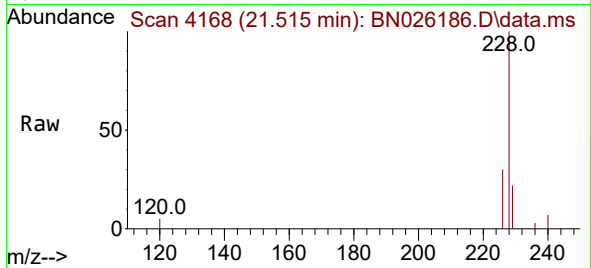
Tgt Ion:202 Resp: 105735
Ion Ratio Lower Upper
202 100
101 13.2 11.4 17.0
100 10.9 9.1 13.7



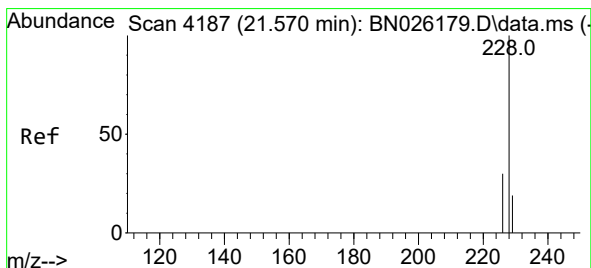
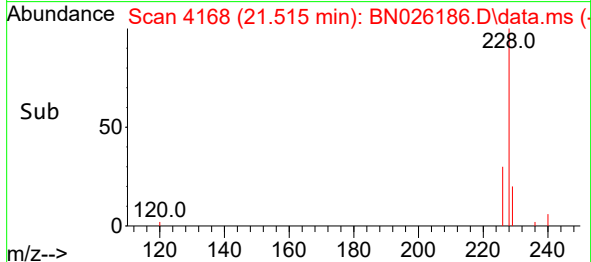
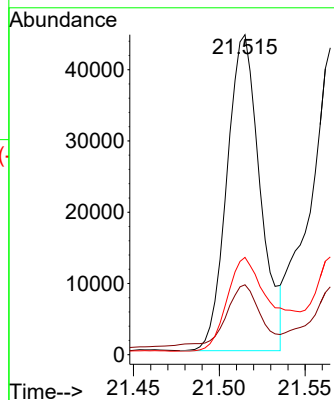


#21
Benzo(a)anthracene
Concen: 0.735 ng/ul
RT: 21.515 min Scan# 4168
Delta R.T. -0.012 min
Lab File: BN026186.D
Acq: 02 Jul 2023 13:18

Instrument :
BNA_N
ClientSampleId :
DCGL4

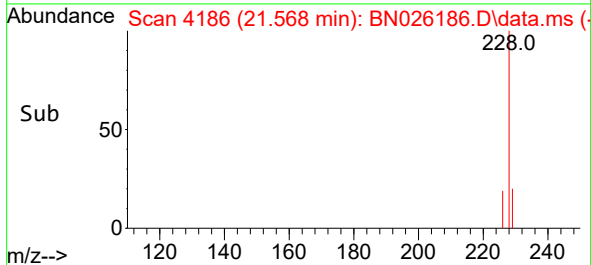
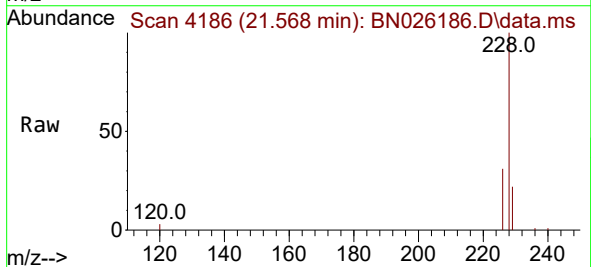
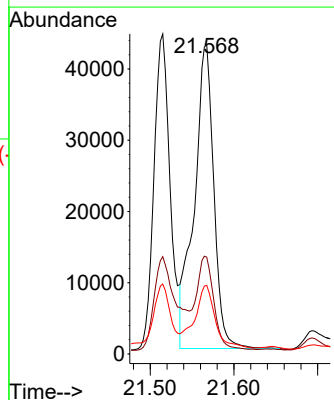


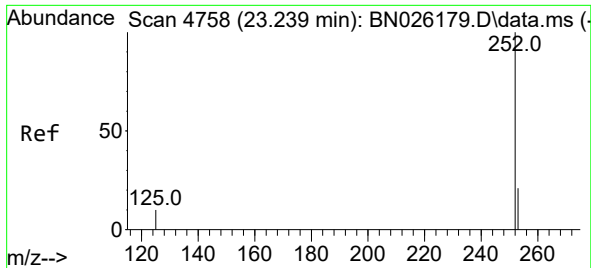
Tgt Ion:228 Resp: 59725
Ion Ratio Lower Upper
228 100
229 21.9 15.8 23.6
226 30.4 22.5 33.7



#22
Chrysene
Concen: 0.821 ng/ul
RT: 21.568 min Scan# 4186
Delta R.T. -0.012 min
Lab File: BN026186.D
Acq: 02 Jul 2023 13:18

Tgt Ion:228 Resp: 69483
Ion Ratio Lower Upper
228 100
226 31.3 24.8 37.2
229 22.2 15.7 23.5

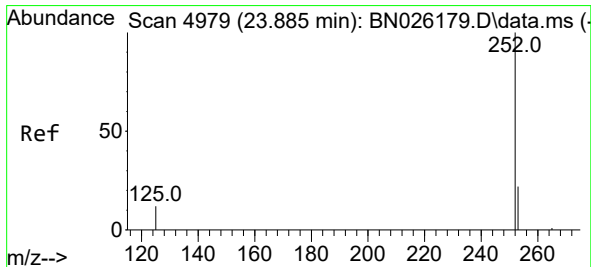
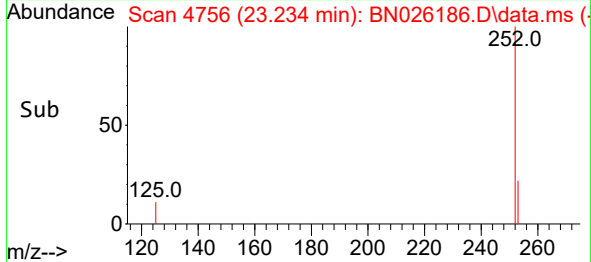
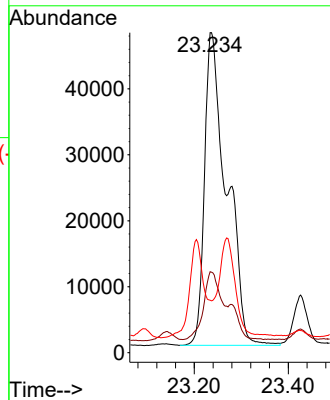
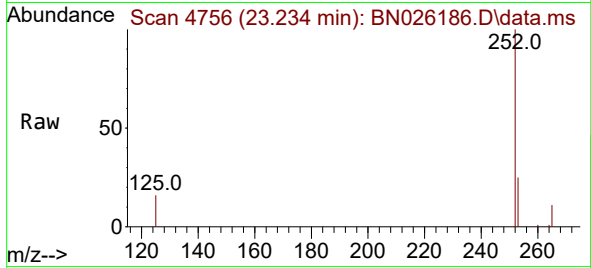




#24
Benzo(b)fluoranthene
Concen: 1.636 ng/ul
RT: 23.234 min Scan# 4758
Delta R.T. -0.009 min
Lab File: BN026186.D
Acq: 02 Jul 2023 13:18

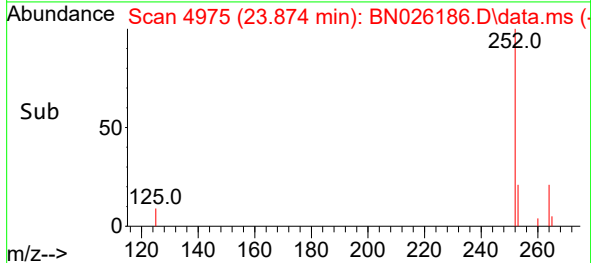
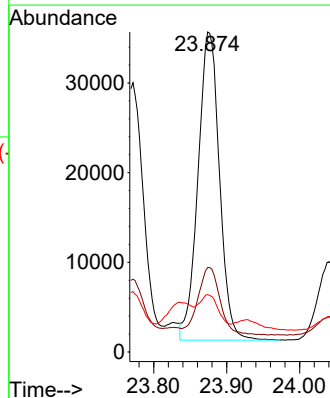
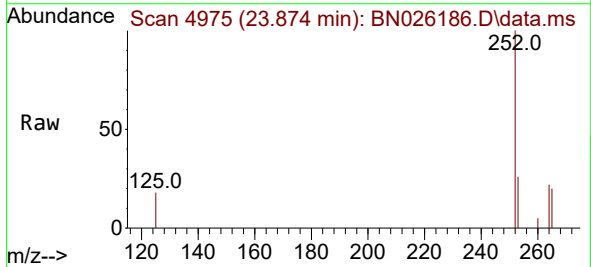
Instrument :
BNA_N
ClientSampleId :
DCGL4

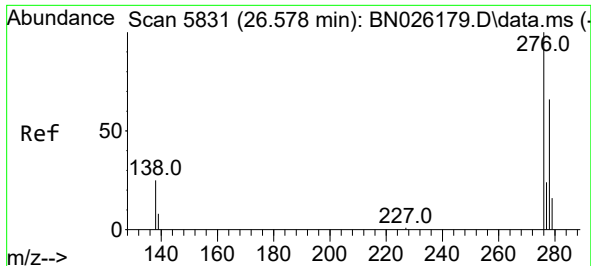
Tgt Ion:252 Resp: 155025
Ion Ratio Lower Upper
252 100
253 25.3 0.0 55.6
125 16.4 0.0 35.8



#26
Benzo(a)pyrene
Concen: 0.853 ng/ul
RT: 23.874 min Scan# 4975
Delta R.T. -0.012 min
Lab File: BN026186.D
Acq: 02 Jul 2023 13:18

Tgt Ion:252 Resp: 70188
Ion Ratio Lower Upper
252 100
253 26.4 26.0 39.0
125 17.9 17.3 25.9





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.720 ng/ul

RT: 26.548 min Scan# 5822

Delta R.T. -0.010 min

Lab File: BN026186.D

Acq: 02 Jul 2023 13:18

Instrument :

BNA_N

ClientSampleId :

DCGL4

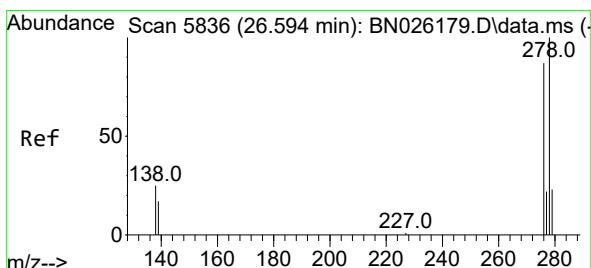
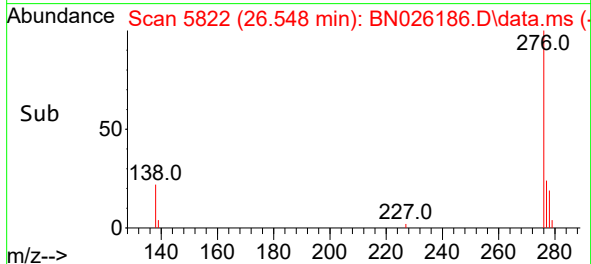
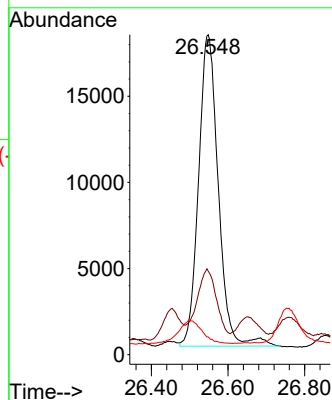
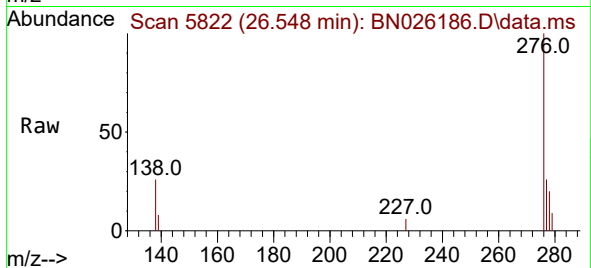
Tgt Ion:276 Resp: 64746

Ion Ratio Lower Upper

276 100

138 21.1 24.5 36.7#

227 0.0 0.0 0.0



#28

Dibenzo(a,h)anthracene

Concen: 0.212 ng/ul

RT: 26.555 min Scan# 5824

Delta R.T. -0.023 min

Lab File: BN026186.D

Acq: 02 Jul 2023 13:18

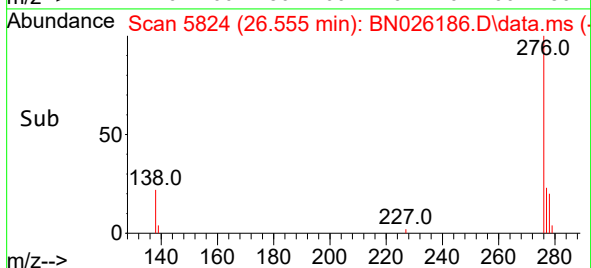
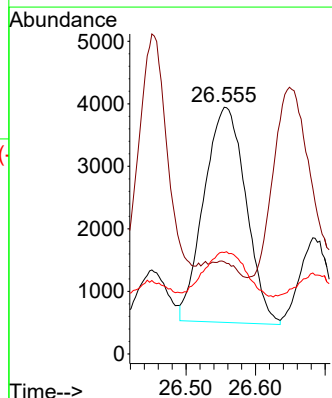
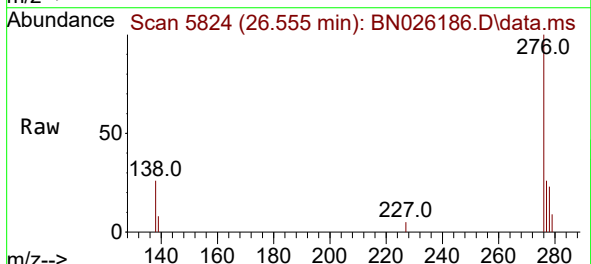
Tgt Ion:278 Resp: 14402

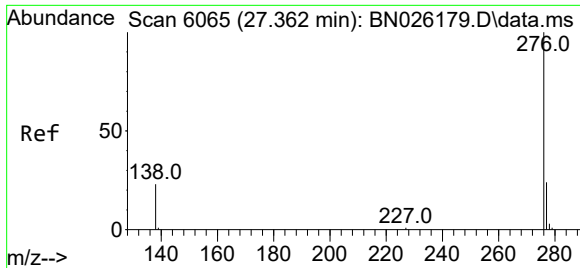
Ion Ratio Lower Upper

278 100

139 37.4 19.0 28.4#

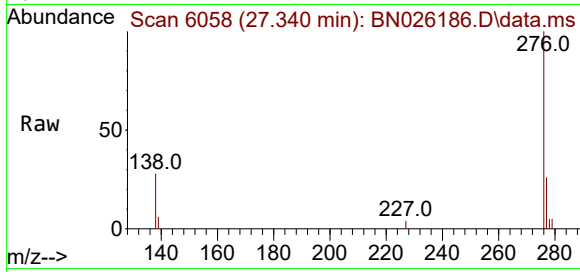
279 41.1 26.7 40.1#





#29
 Benzo(g,h,i)perylene
 Concen: 0.776 ng/ul
 RT: 27.340 min Scan# 6065
 Delta R.T. -0.007 min
 Lab File: BN026186.D
 Acq: 02 Jul 2023 13:18

Instrument :
 BNA_N
 ClientSampleId :
 DCGL4



Tgt Ion:276 Resp: 62037
 Ion Ratio Lower Upper
 276 100
 138 28.2 23.4 35.0
 277 25.6 20.0 30.0

