

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062923\
 Data File : BN026109.D
 Acq On : 29 Jun 2023 23:59
 Operator : MA/JU
 Sample : 03143-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFV9

Quant Time: Jun 30 00:46:34 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)

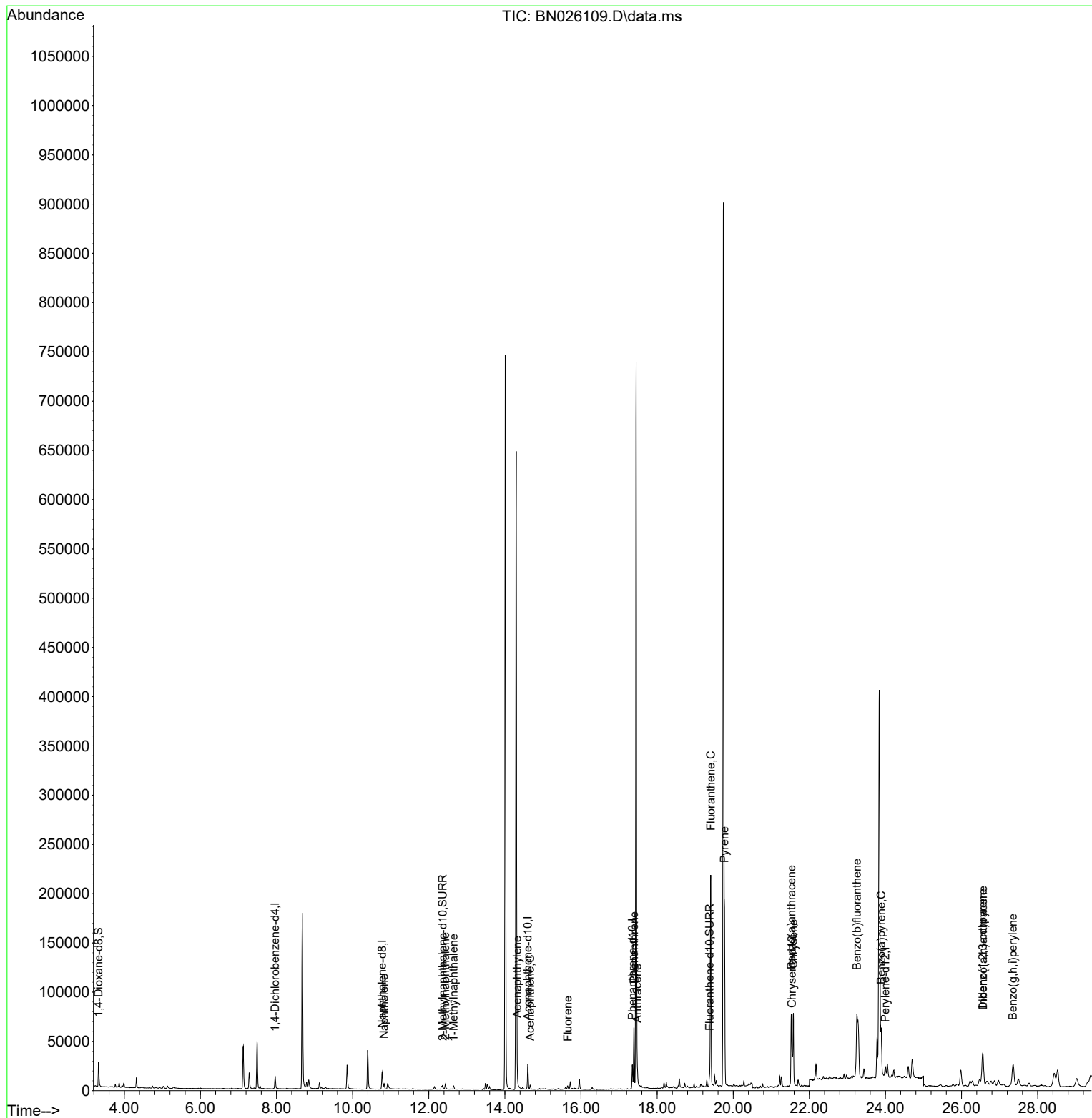
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	7424	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.774	136	24375	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.602	164	14491	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.351	188	29326	0.400	ng/ul	0.00
17) Chrysene-d12	21.543	240	15335	0.400	ng/ul	# 0.00
23) Perylene-d12	23.995	264	15804	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	17090	2.044	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.364	152	5676	0.151	ng/ul	0.00
18) Fluoranthene-d10	19.376	212	11022	0.189	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.824	128	8035	0.115	ng/ul	95
7) 2-Methylnaphthalene	12.435	142	4015	0.090	ng/ul	99
8) 1-Methylnaphthalene	12.655	142	2615	0.057	ng/ul	99
10) Acenaphthylene	14.325	152	5944	0.088	ng/ul#	94
11) Acenaphthene	14.667	153	2608	0.047	ng/ul	98
12) Fluorene	15.652	166	2151	0.034	ng/ul#	95
15) Phenanthrene	17.393	178	69070	0.713	ng/ul	100
16) Anthracene	17.481	178	9139	0.106	ng/ul#	92
19) Fluoranthene	19.409	202	188440	2.301	ng/ul	99
20) Pyrene	19.771	202	148271	1.740	ng/ul	97
21) Benzo(a)anthracene	21.525	228	64053	1.013	ng/ul	97
22) Chrysene	21.581	228	83764	1.273	ng/ul	98
24) Benzo(b)fluoranthene	23.250	252	164738	2.442	ng/ul	97
26) Benzo(a)pyrene	23.887	252	68209	1.164	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	26.557	276	62070	0.970	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.563	278	14511	0.300	ng/ul#	81
29) Benzo(g,h,i)perylene	27.351	276	58469	1.027	ng/ul	98

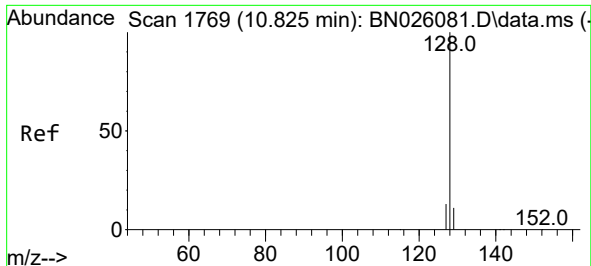
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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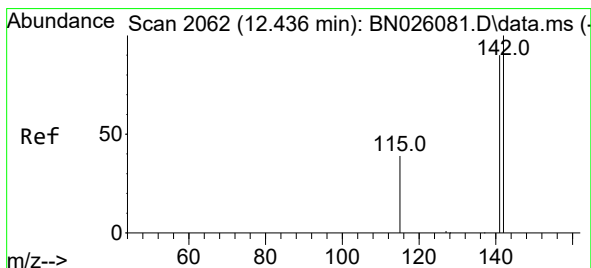
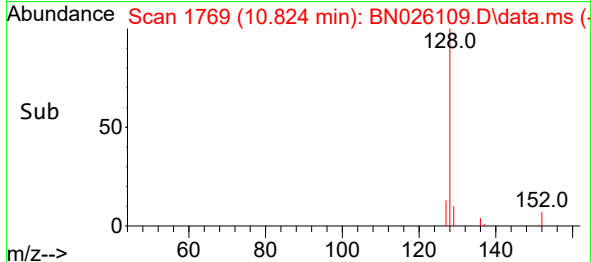
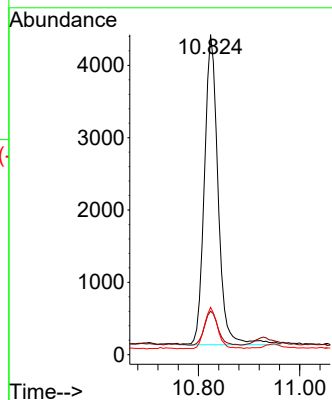
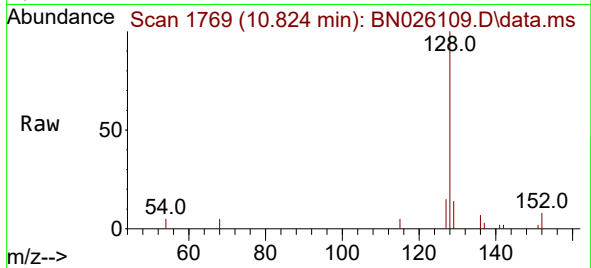




#5
Naphthalene
Concen: 0.115 ng/ul
RT: 10.824 min Scan# 1769
Delta R.T. -0.012 min
Lab File: BN026109.D
Acq: 29 Jun 2023 23:59

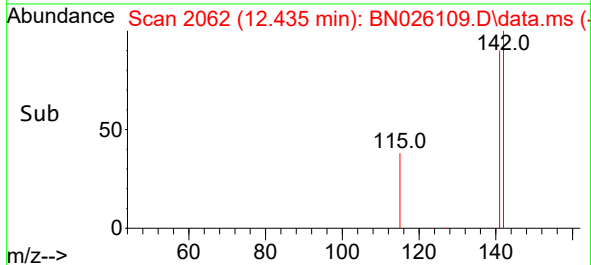
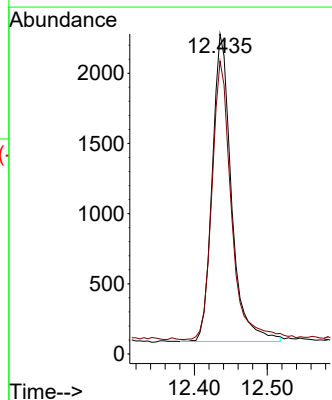
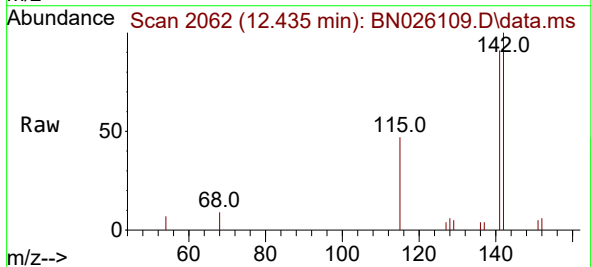
Instrument :
BNA_N
ClientSampleId :
DCFV9

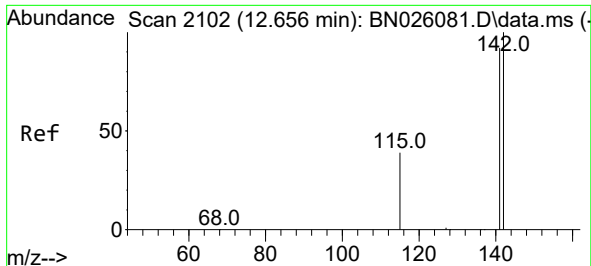
Tgt Ion:128 Resp: 8035
Ion Ratio Lower Upper
128 100
129 13.6 9.1 13.7
127 14.8 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.090 ng/ul
RT: 12.435 min Scan# 2062
Delta R.T. -0.012 min
Lab File: BN026109.D
Acq: 29 Jun 2023 23:59

Tgt Ion:142 Resp: 4015
Ion Ratio Lower Upper
142 100
141 90.7 71.9 107.9

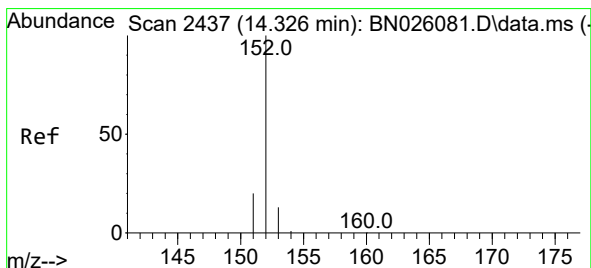
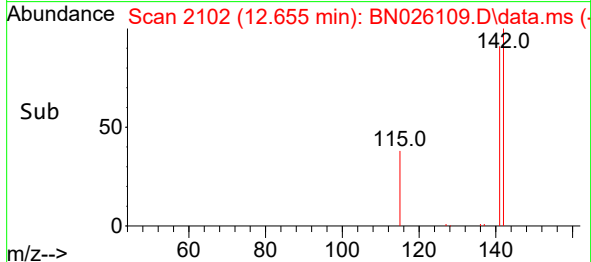
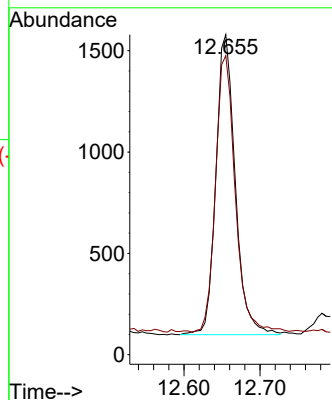
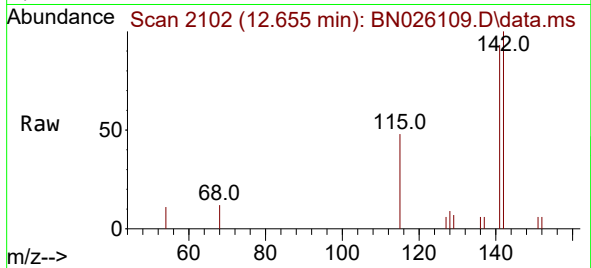




#8
1-Methylnaphthalene
Concen: 0.057 ng/ul
RT: 12.655 min Scan# 2102
Delta R.T. -0.007 min
Lab File: BN026109.D
Acq: 29 Jun 2023 23:59

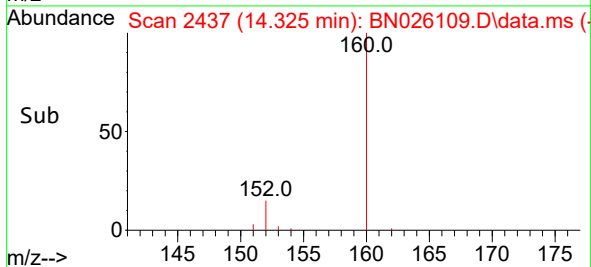
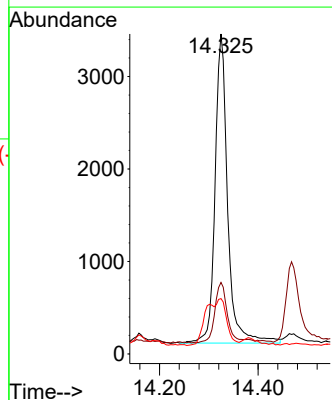
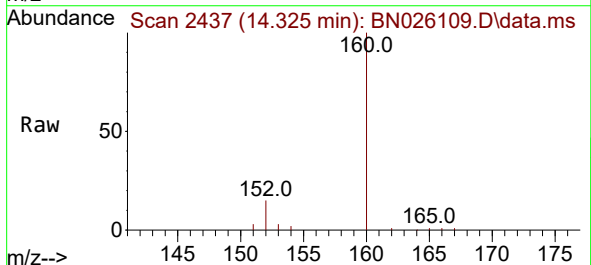
Instrument :
BNA_N
ClientSampleId :
DCFV9

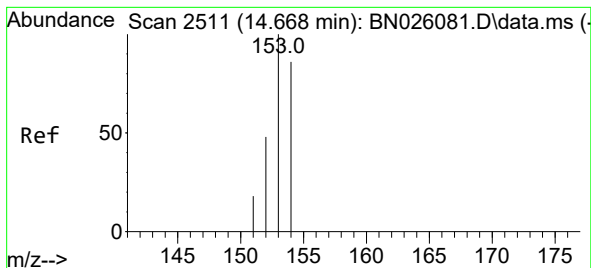
Tgt Ion:142 Resp: 2615
Ion Ratio Lower Upper
142 100
141 94.0 74.2 111.4



#10
Acenaphthylene
Concen: 0.088 ng/ul
RT: 14.325 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BN026109.D
Acq: 29 Jun 2023 23:59

Tgt Ion:152 Resp: 5944
Ion Ratio Lower Upper
152 100
151 22.4 16.2 24.4
153 17.3 10.9 16.3#





#11

Acenaphthene

Concen: 0.047 ng/ul

RT: 14.667 min Scan# 2511

Delta R.T. -0.005 min

Lab File: BN026109.D

Acq: 29 Jun 2023 23:59

Instrument :

BNA_N

ClientSampleId :

DCFV9

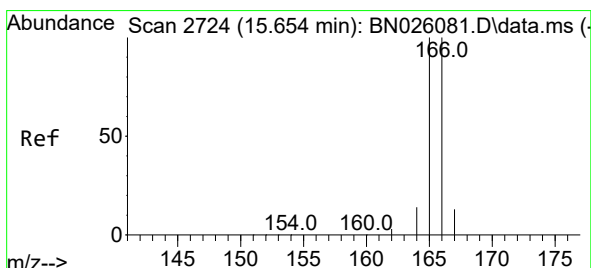
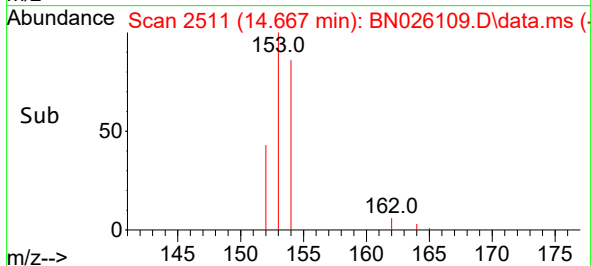
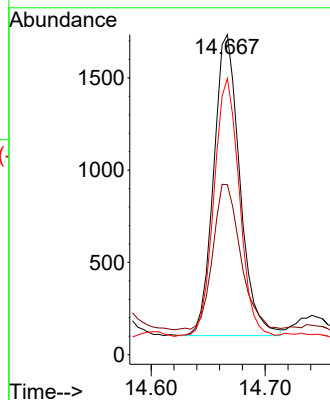
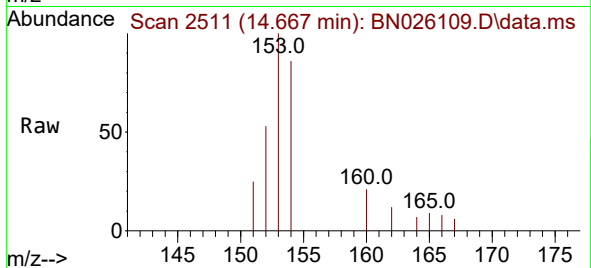
Tgt Ion:153 Resp: 2608

Ion Ratio Lower Upper

153 100

152 53.1 39.4 59.0

154 86.3 68.9 103.3



#12

Fluorene

Concen: 0.034 ng/ul

RT: 15.652 min Scan# 2724

Delta R.T. -0.010 min

Lab File: BN026109.D

Acq: 29 Jun 2023 23:59

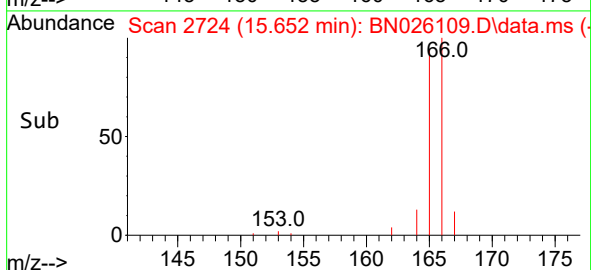
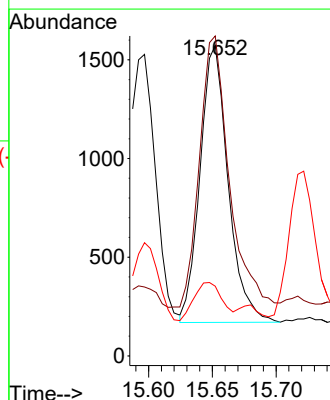
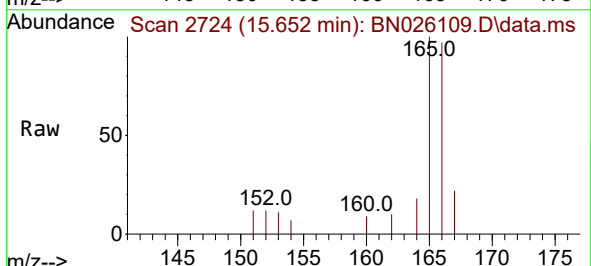
Tgt Ion:166 Resp: 2151

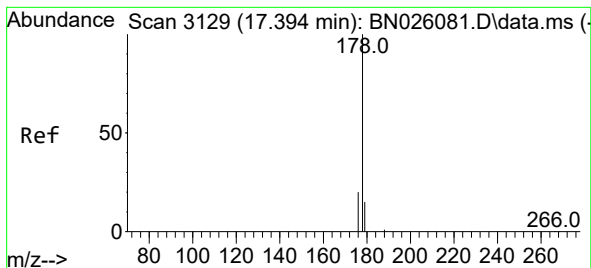
Ion Ratio Lower Upper

166 100

165 103.1 79.9 119.9

167 22.4 10.8 16.2#





#15

Phenanthrene

Concen: 0.713 ng/ul

RT: 17.393 min Scan# 3129

Delta R.T. -0.009 min

Lab File: BN026109.D

Acq: 29 Jun 2023 23:59

Instrument :

BNA_N

ClientSampleId :

DCFV9

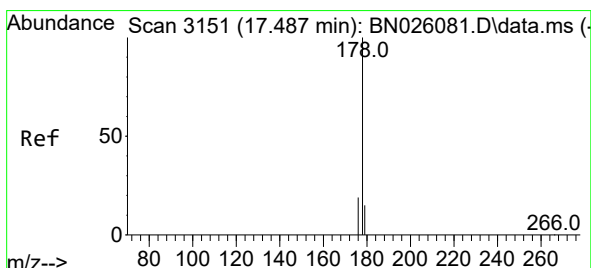
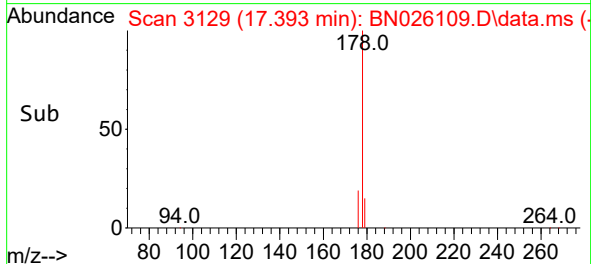
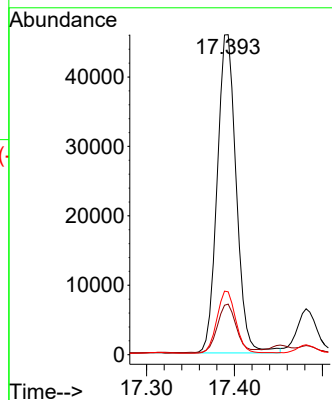
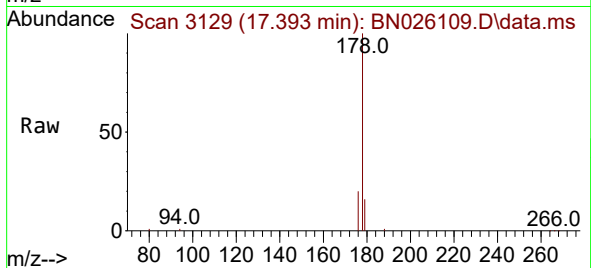
Tgt Ion:178 Resp: 69070

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

176 19.6 15.8 23.6



#16

Anthracene

Concen: 0.106 ng/ul

RT: 17.481 min Scan# 3150

Delta R.T. -0.013 min

Lab File: BN026109.D

Acq: 29 Jun 2023 23:59

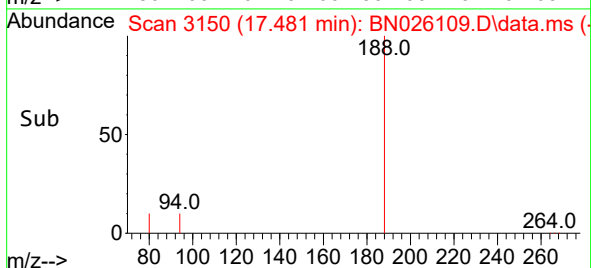
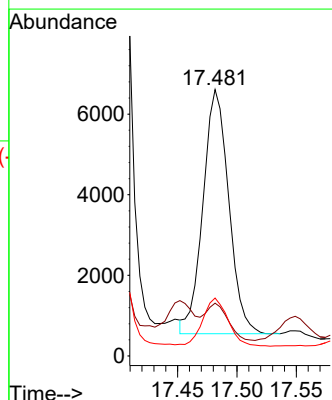
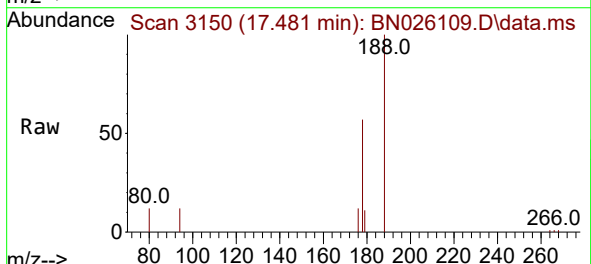
Tgt Ion:178 Resp: 9139

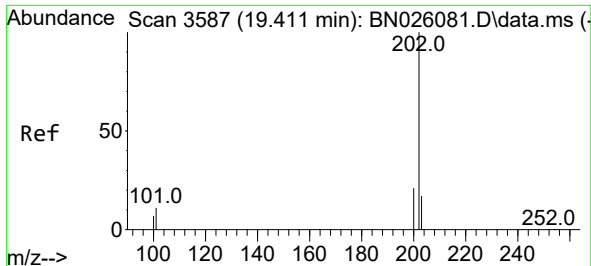
Ion Ratio Lower Upper

178 100

179 19.8 12.6 18.8#

176 21.7 15.1 22.7

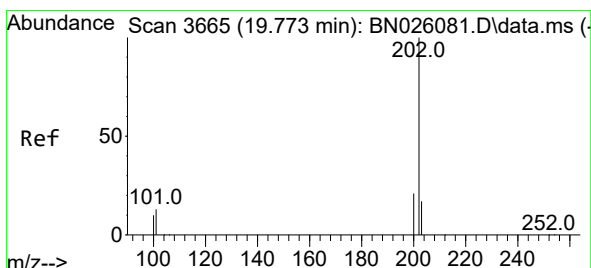
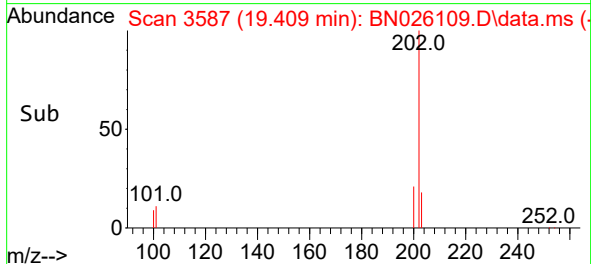
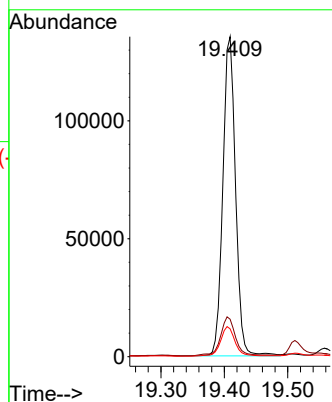
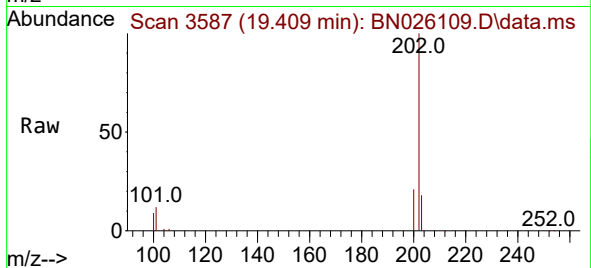




#19
Fluoranthene
Concen: 2.301 ng/ul
RT: 19.409 min Scan# 3587
Delta R.T. -0.005 min
Lab File: BN026109.D
Acq: 29 Jun 2023 23:59

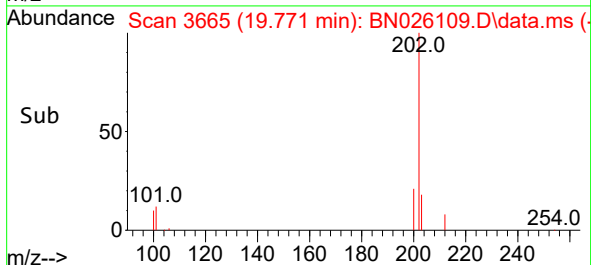
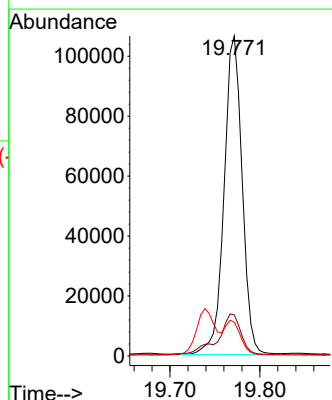
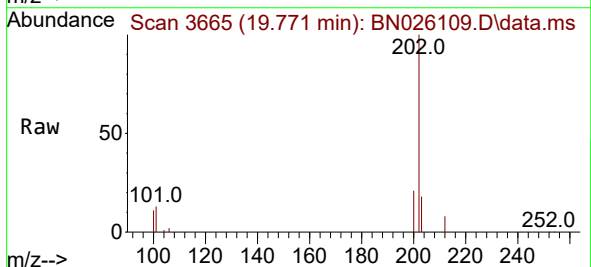
Instrument :
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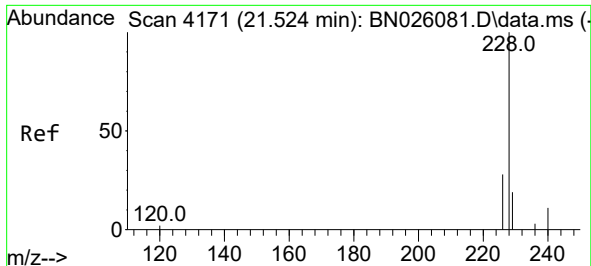
Tgt Ion:202 Resp: 188440
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
100 8.7 7.3 10.9



#20
Pyrene
Concen: 1.740 ng/ul
RT: 19.771 min Scan# 3665
Delta R.T. -0.005 min
Lab File: BN026109.D
Acq: 29 Jun 2023 23:59

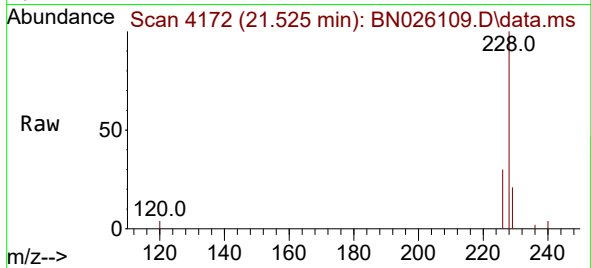
Tgt Ion:202 Resp: 148271
Ion Ratio Lower Upper
202 100
101 12.8 11.4 17.0
100 10.6 9.1 13.7



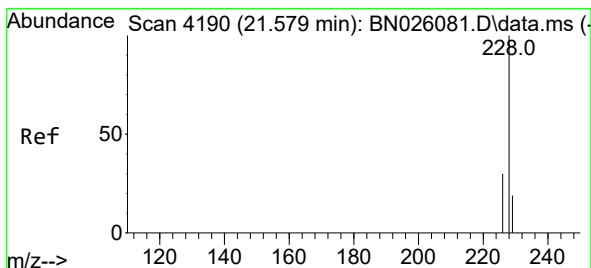
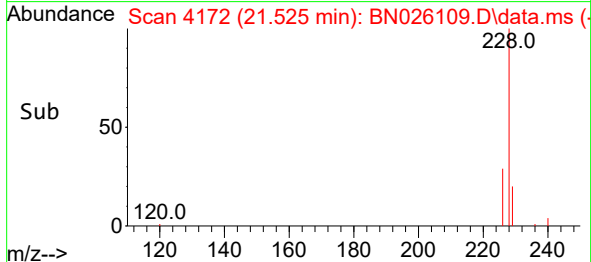
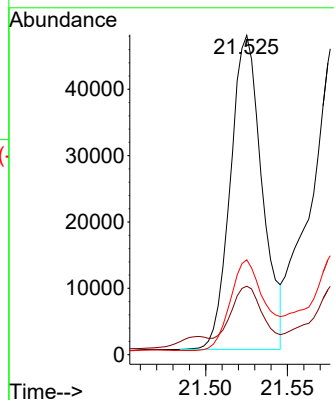


#21
Benzo(a)anthracene
Concen: 1.013 ng/ul
RT: 21.525 min Scan# 4171
Delta R.T. -0.004 min
Lab File: BN026109.D
Acq: 29 Jun 2023 23:59

Instrument :
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ClientSampleId :
DCFV9

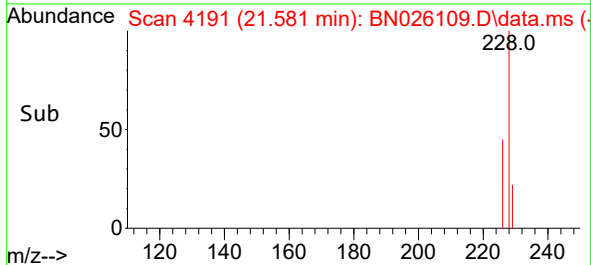
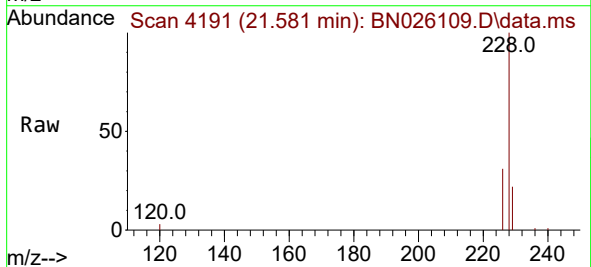
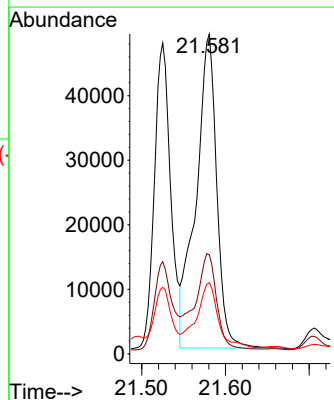


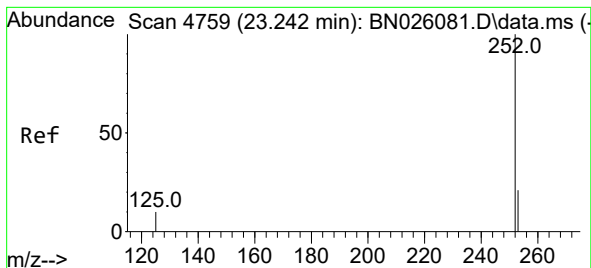
Tgt Ion:228 Resp: 64053
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.6
226 29.7 22.5 33.7



#22
Chrysene
Concen: 1.273 ng/ul
RT: 21.581 min Scan# 4191
Delta R.T. 0.002 min
Lab File: BN026109.D
Acq: 29 Jun 2023 23:59

Tgt Ion:228 Resp: 83764
Ion Ratio Lower Upper
228 100
226 31.0 24.8 37.2
229 22.3 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 2.442 ng/ul

RT: 23.250 min Scan# 4759

Delta R.T. -0.004 min

Lab File: BN026109.D

Acq: 29 Jun 2023 23:59

Instrument :

BNA_N

ClientSampleId :

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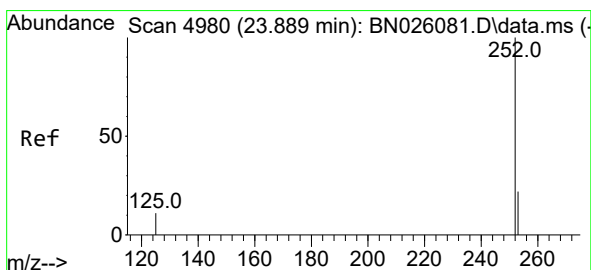
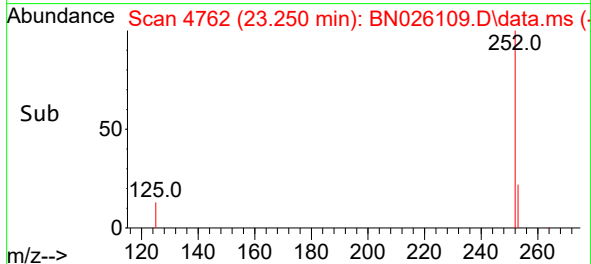
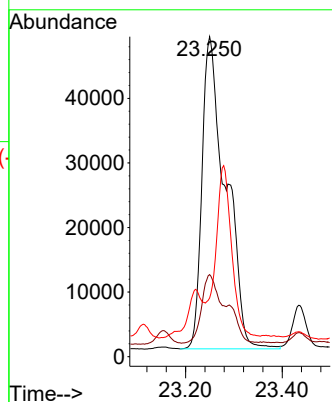
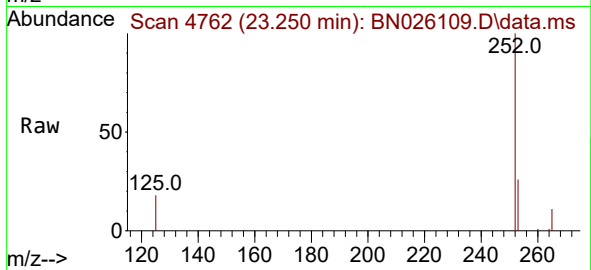
Tgt Ion:252 Resp: 164738

Ion Ratio Lower Upper

252 100

253 25.6 0.0 55.6

125 18.3 0.0 35.8



#26

Benzo(a)pyrene

Concen: 1.164 ng/ul

RT: 23.887 min Scan# 4980

Delta R.T. -0.018 min

Lab File: BN026109.D

Acq: 29 Jun 2023 23:59

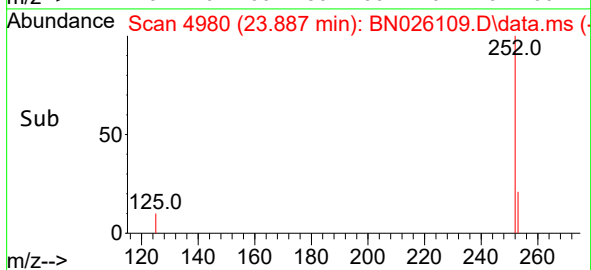
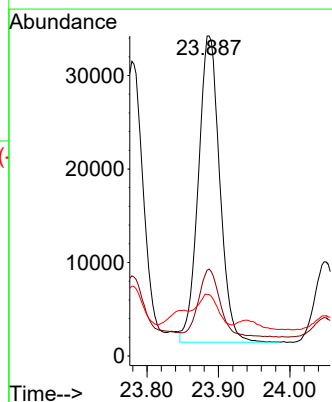
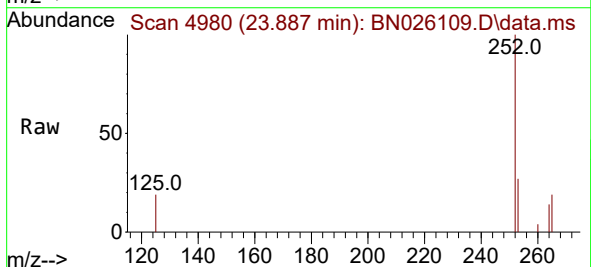
Tgt Ion:252 Resp: 68209

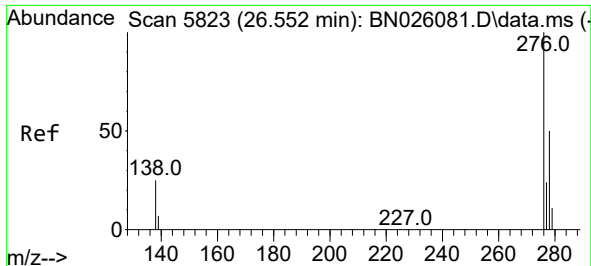
Ion Ratio Lower Upper

252 100

253 27.1 26.0 39.0

125 19.2 17.3 25.9





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.970 ng/ul

RT: 26.557 min Scan# 5825

Delta R.T. -0.038 min

Lab File: BN026109.D

Acq: 29 Jun 2023 23:59

Instrument :

BNA_N

ClientSampleId :

DCFV9

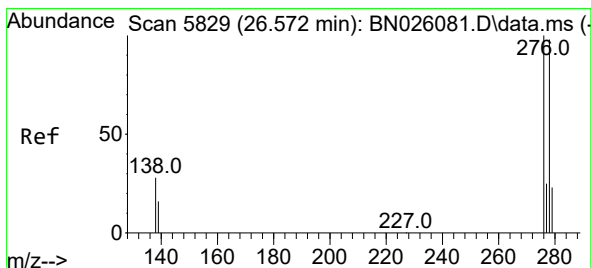
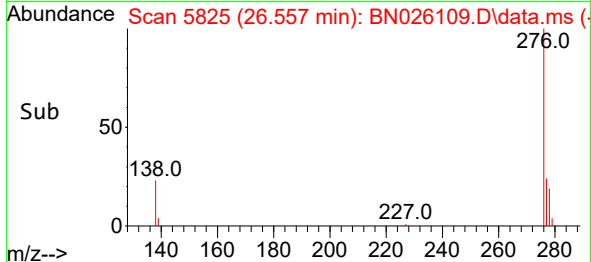
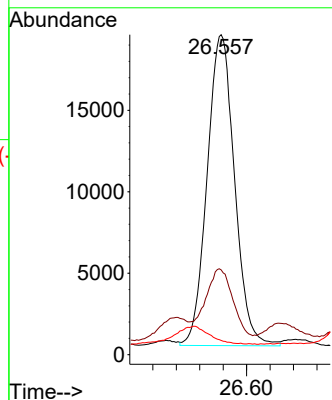
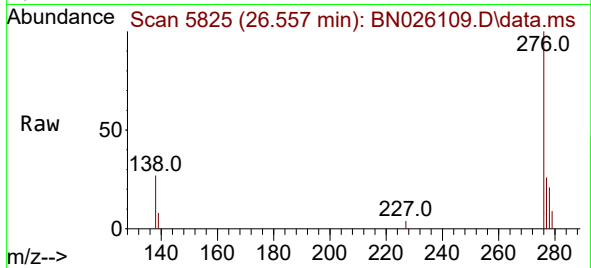
Tgt Ion:276 Resp: 62070

Ion Ratio Lower Upper

276 100

138 22.4 24.5 36.7#

227 0.0 0.0 0.0



#28

Dibenzo(a,h)anthracene

Concen: 0.300 ng/ul

RT: 26.563 min Scan# 5827

Delta R.T. -0.051 min

Lab File: BN026109.D

Acq: 29 Jun 2023 23:59

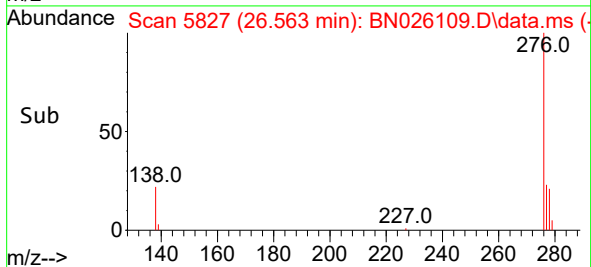
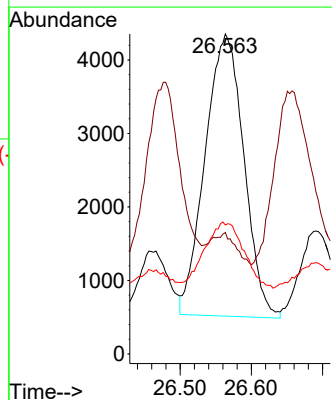
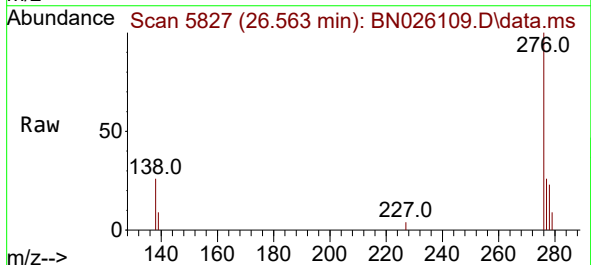
Tgt Ion:278 Resp: 14511

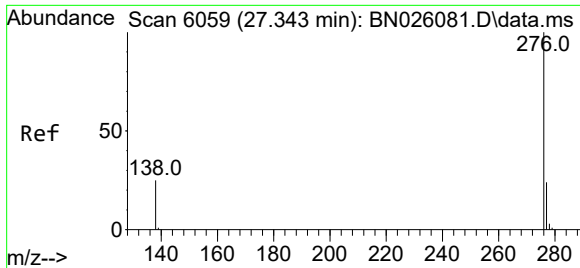
Ion Ratio Lower Upper

278 100

139 37.9 19.0 28.4#

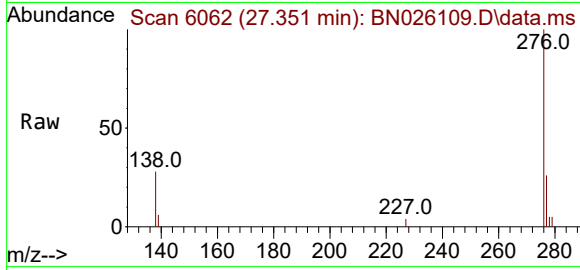
279 40.3 26.7 40.1#





#29
 Benzo(g,h,i)perylene
 Concen: 1.027 ng/ul
 RT: 27.351 min Scan# 6062
 Delta R.T. -0.034 min
 Lab File: BN026109.D
 Acq: 29 Jun 2023 23:59

Instrument :
 BNA_N
 ClientSampleId :
 DCFV9



Tgt Ion:	276	Resp:	58469
Ion Ratio	Lower	Upper	
276	100		
138	27.6	23.4	35.0
277	25.6	20.0	30.0

