

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
 Data File : BN026963.D
 Acq On : 18 Aug 2023 17:23
 Operator : MA/JU
 Sample : 03965-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48H2

Quant Time: Aug 18 19:09:57 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 18 13:11:26 2023
 Response via : Initial Calibration

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

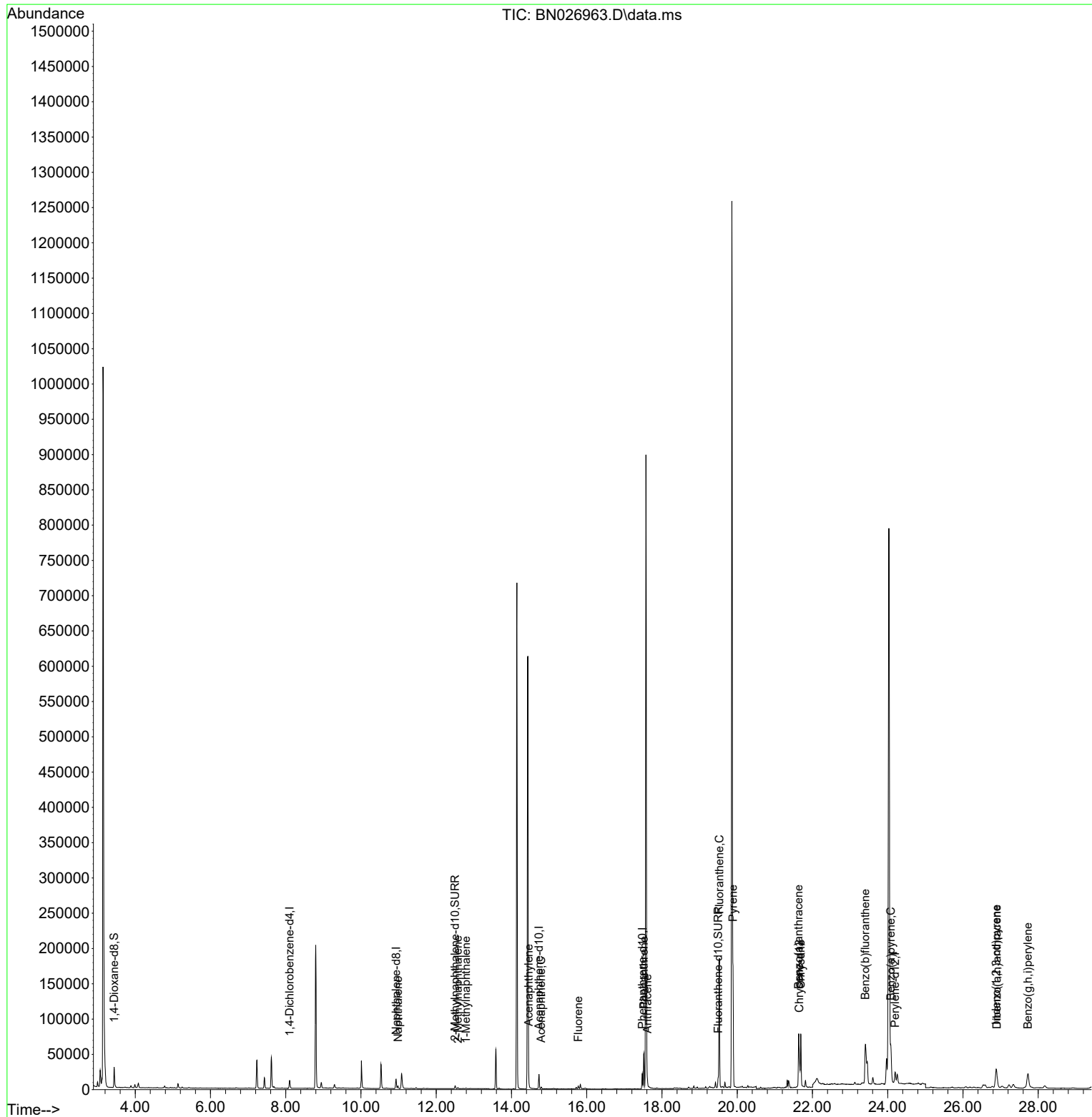
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	5592	0.400	ng/ul	0.00
4) Naphthalene-d8	10.933	136	18552	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	11102	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.477	188	25228	0.400	ng/ul	0.00
17) Chrysene-d12	21.650	240	22189	0.400	ng/ul	# 0.00
23) Perylene-d12	24.196	264	24279	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	20096	3.027	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	5487	0.201	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	14625	0.209	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.982	128	4824	0.092	ng/ul#	93
7) 2-Methylnaphthalene	12.577	142	1071	0.034	ng/ul	99
8) 1-Methylnaphthalene	12.791	142	689	0.021	ng/ul	98
10) Acenaphthylene	14.458	152	6158	0.099	ng/ul	95
11) Acenaphthene	14.791	153	1534	0.036	ng/ul	96
12) Fluorene	15.776	166	2555	0.052	ng/ul#	98
15) Phenanthrene	17.519	178	53400	0.644	ng/ul	100
16) Anthracene	17.612	178	10575	0.141	ng/ul	97
19) Fluoranthene	19.524	202	154273	1.674	ng/ul	100
20) Pyrene	19.887	202	137747	1.401	ng/ul	98
21) Benzo(a)anthracene	21.632	228	69837	0.791	ng/ul	97
22) Chrysene	21.688	228	79469	0.912	ng/ul	97
24) Benzo(b)fluoranthene	23.407	252	154498	1.682	ng/ul	97
26) Benzo(a)pyrene	24.082	252	74901	0.904	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.884	276	52724	0.486	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.901	278	11642	0.135	ng/ul#	77
29) Benzo(g,h,i)perylene	27.726	276	51718	0.573	ng/ul	98

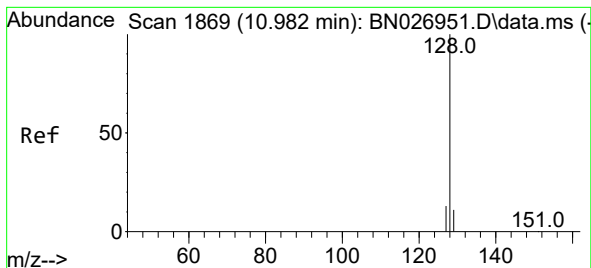
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.092 ng/ul

RT: 10.982 min Scan# 1869

Delta R.T. -0.000 min

Lab File: BN026963.D

Acq: 18 Aug 2023 17:23

Instrument :

BNA_N

ClientSampleId :

A48H2

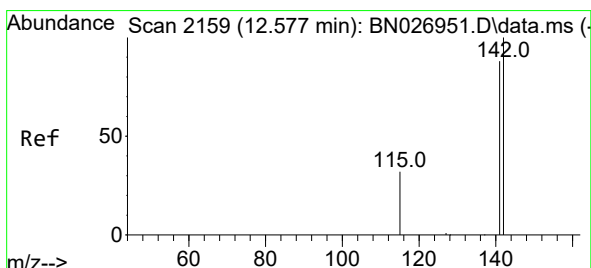
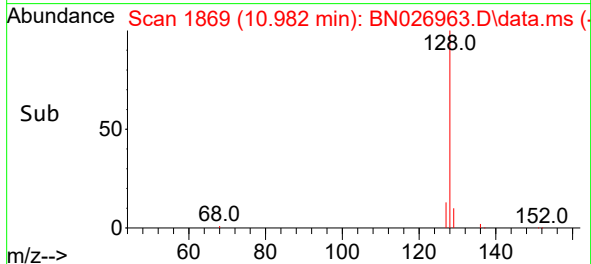
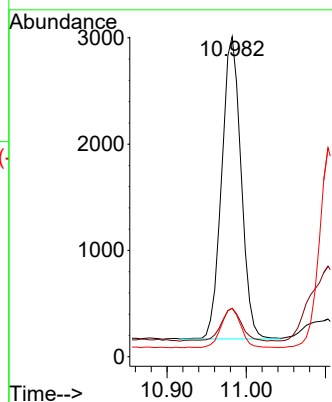
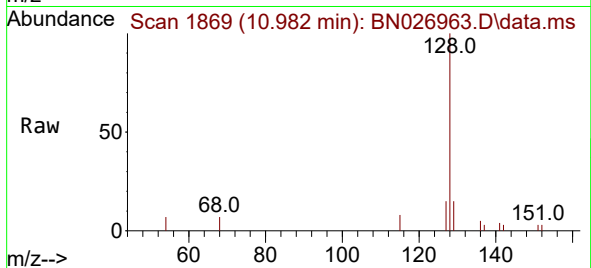
Tgt Ion:128 Resp: 4824

Ion Ratio Lower Upper

128 100

129 15.1 9.2 13.8#

127 15.1 10.5 15.7



#7

2-Methylnaphthalene

Concen: 0.034 ng/ul

RT: 12.577 min Scan# 2159

Delta R.T. -0.000 min

Lab File: BN026963.D

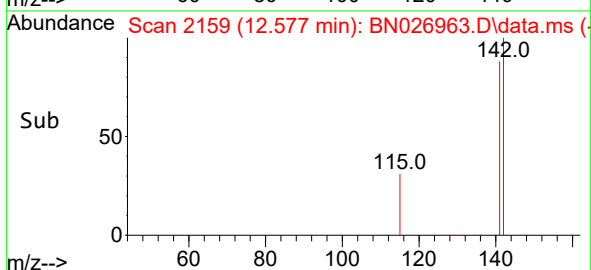
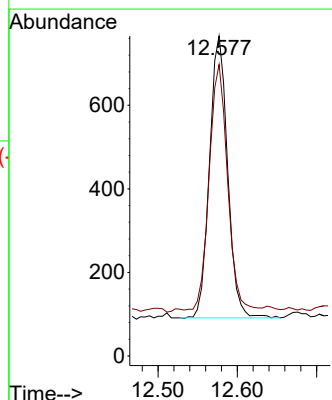
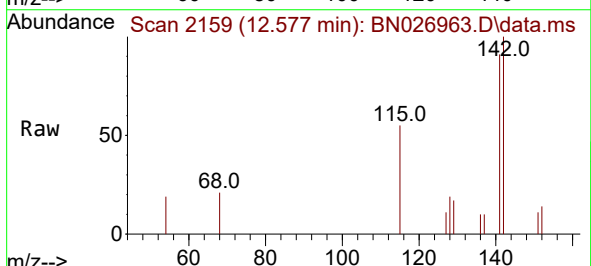
Acq: 18 Aug 2023 17:23

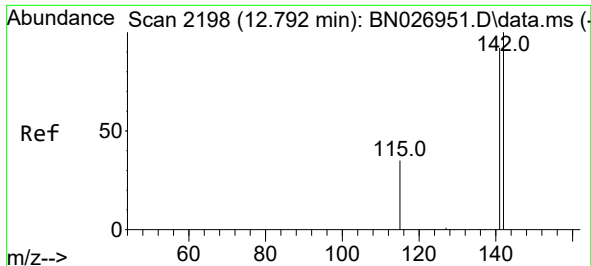
Tgt Ion:142 Resp: 1071

Ion Ratio Lower Upper

142 100

141 87.5 70.9 106.3

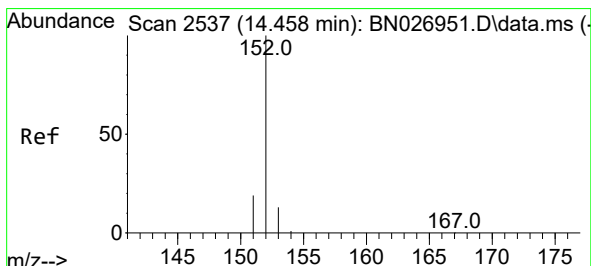
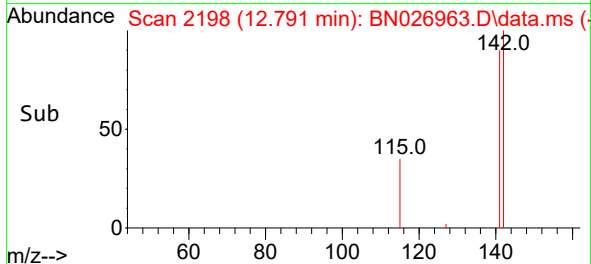
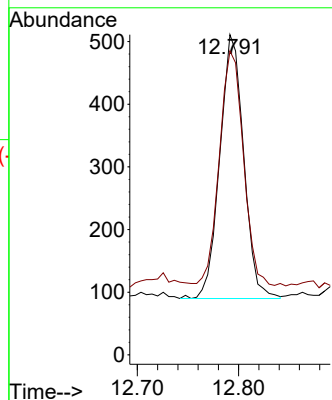
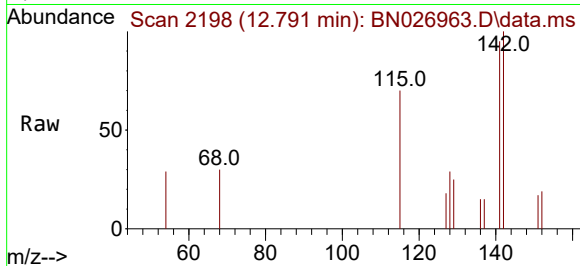




#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.791 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

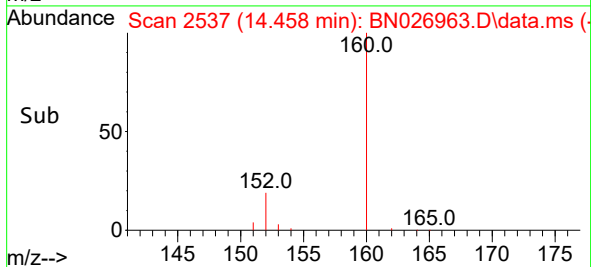
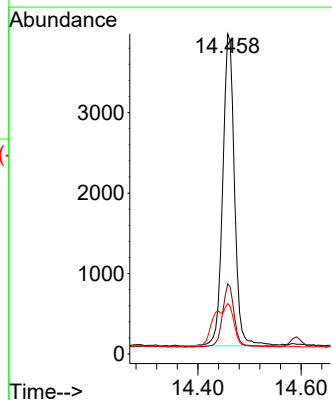
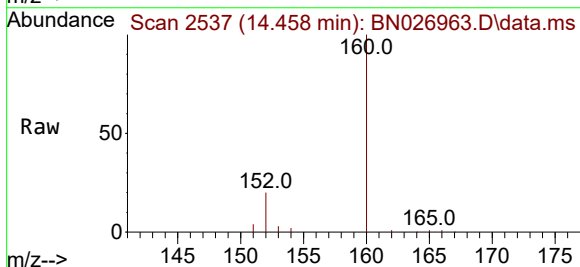
Instrument :
BNA_N
ClientSampleId :
A48H2

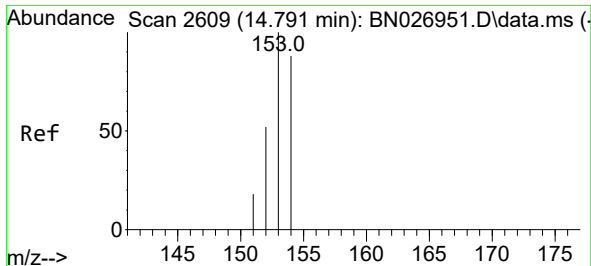
Tgt Ion:142 Resp: 689
Ion Ratio Lower Upper
142 100
141 90.0 73.2 109.8



#10
Acenaphthylene
Concen: 0.099 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. -0.000 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

Tgt Ion:152 Resp: 6158
Ion Ratio Lower Upper
152 100
151 21.9 15.9 23.9
153 15.7 11.0 16.6

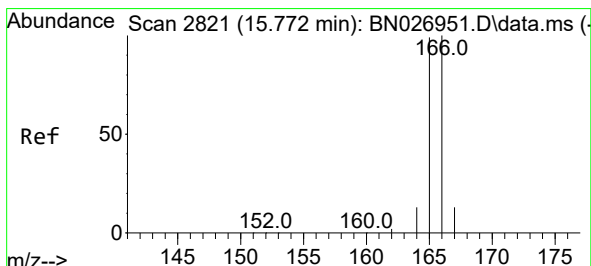
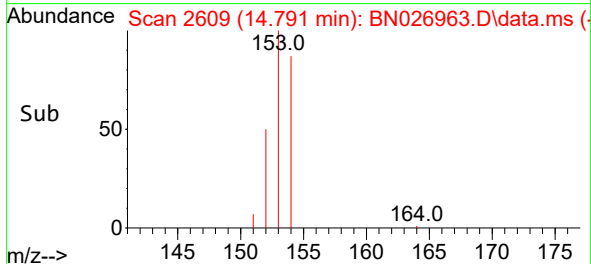
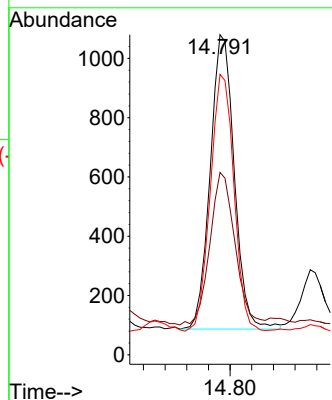
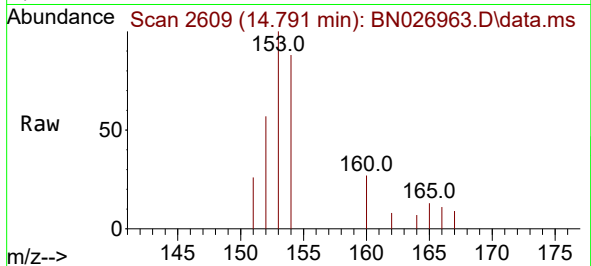




#11
Acenaphthene
Concen: 0.036 ng/ul
RT: 14.791 min Scan# 2609
Delta R.T. -0.000 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

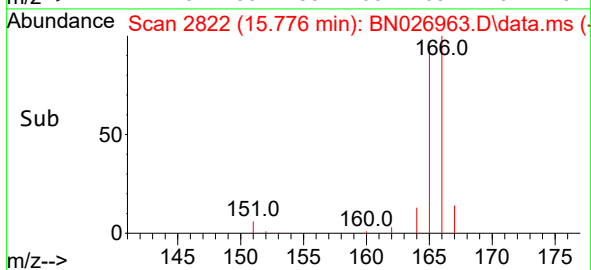
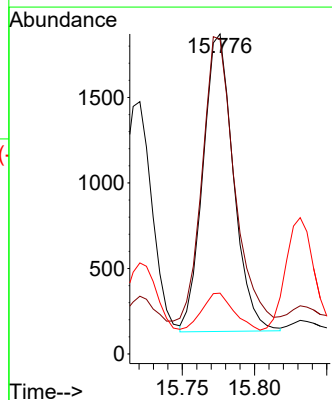
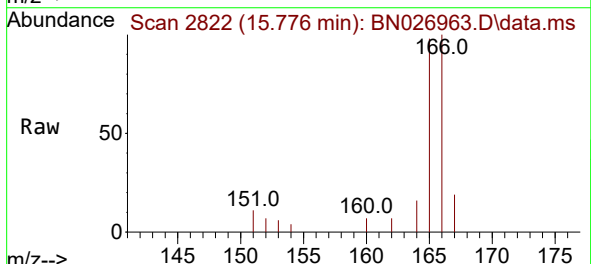
Instrument :
BNA_N
ClientSampleId :
A48H2

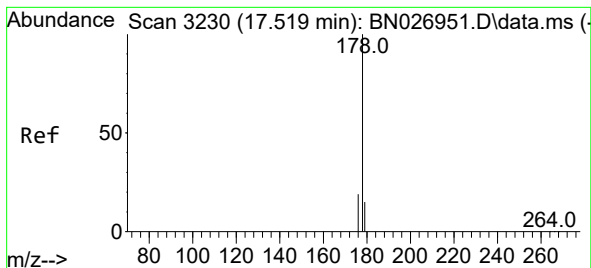
Tgt Ion:153 Resp: 1534
Ion Ratio Lower Upper
153 100
152 56.9 41.1 61.7
154 87.6 71.6 107.4



#12
Fluorene
Concen: 0.052 ng/ul
RT: 15.776 min Scan# 2822
Delta R.T. 0.005 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

Tgt Ion:166 Resp: 2555
Ion Ratio Lower Upper
166 100
165 98.3 79.1 118.7
167 19.0 11.4 17.0#





#15

Phenanthrene

Concen: 0.644 ng/ul

RT: 17.519 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN026963.D

Acq: 18 Aug 2023 17:23

Instrument :

BNA_N

ClientSampleId :

A48H2

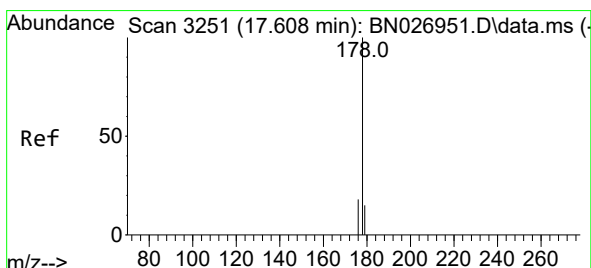
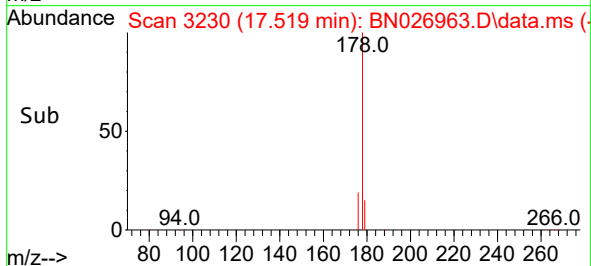
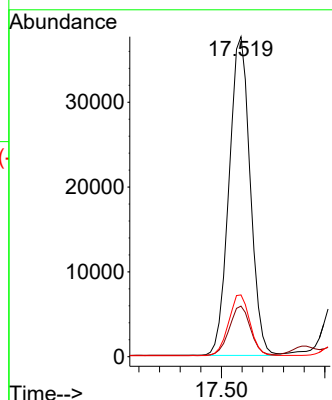
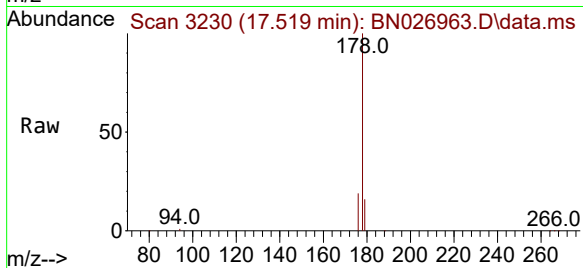
Tgt Ion:178 Resp: 53400

Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

176 19.3 15.4 23.2



#16

Anthracene

Concen: 0.141 ng/ul

RT: 17.612 min Scan# 3252

Delta R.T. 0.004 min

Lab File: BN026963.D

Acq: 18 Aug 2023 17:23

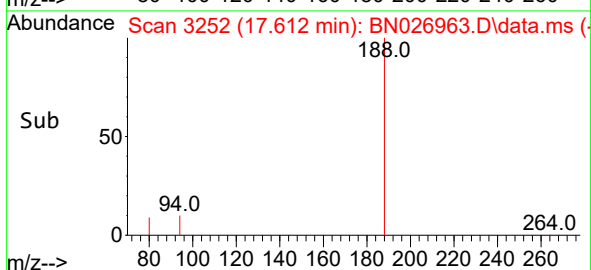
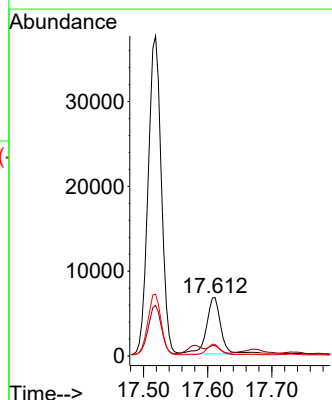
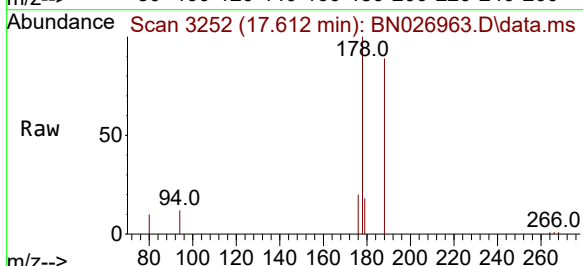
Tgt Ion:178 Resp: 10575

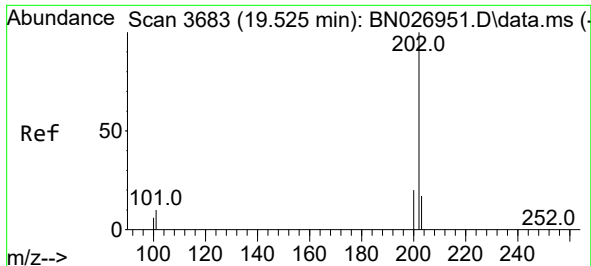
Ion Ratio Lower Upper

178 100

179 18.0 12.6 19.0

176 19.7 15.0 22.6

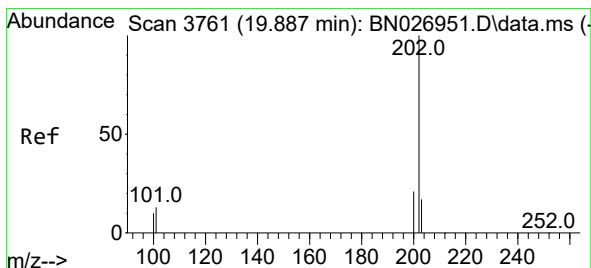
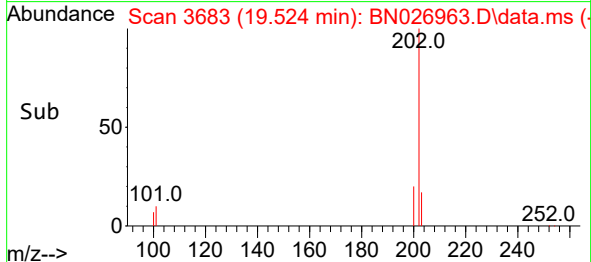
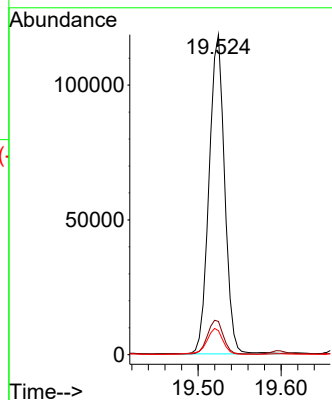
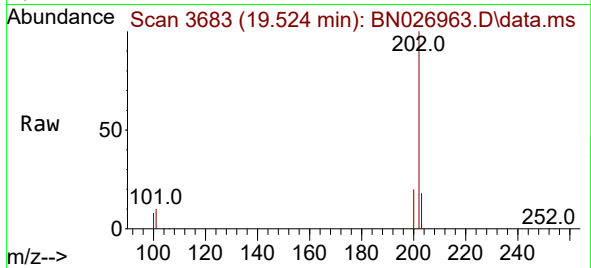




#19
Fluoranthene
Concen: 1.674 ng/ul
RT: 19.524 min Scan# 3683
Delta R.T. -0.000 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

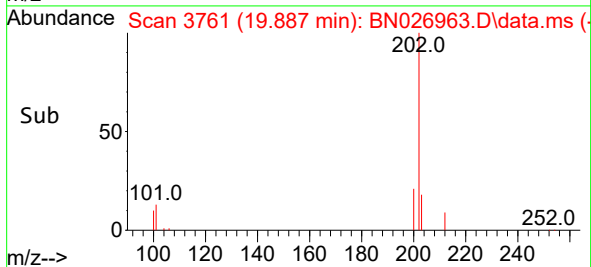
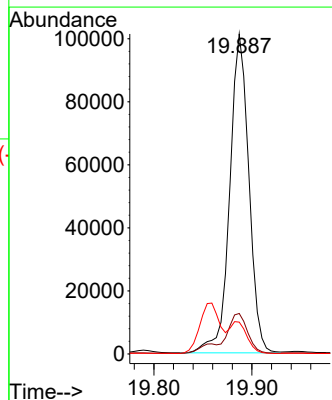
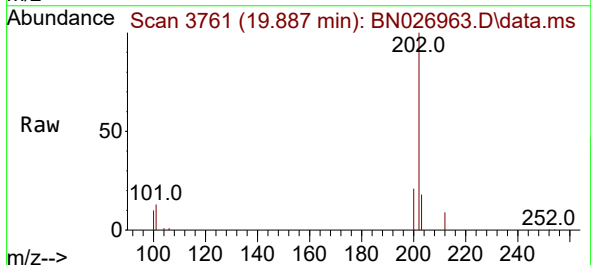
Instrument :
BNA_N
ClientSampleId :
A48H2

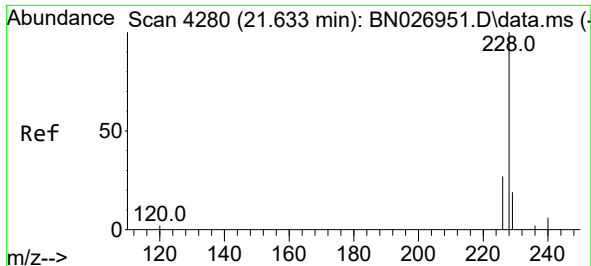
Tgt Ion:202 Resp: 154273
Ion Ratio Lower Upper
202 100
101 10.4 8.3 12.5
100 7.5 6.2 9.2



#20
Pyrene
Concen: 1.401 ng/ul
RT: 19.887 min Scan# 3761
Delta R.T. -0.000 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

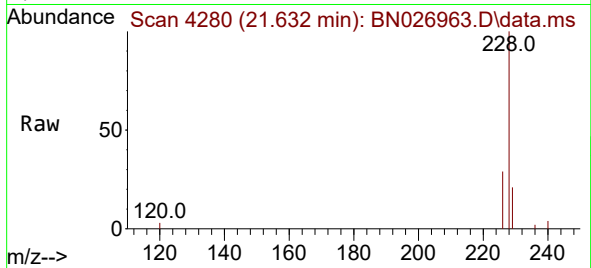
Tgt Ion:202 Resp: 137747
Ion Ratio Lower Upper
202 100
101 12.6 10.7 16.1
100 10.0 8.5 12.7



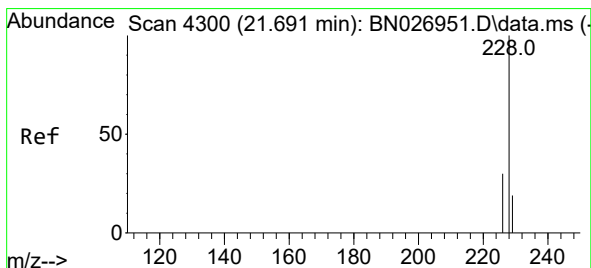
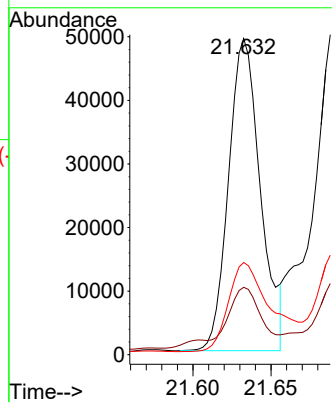
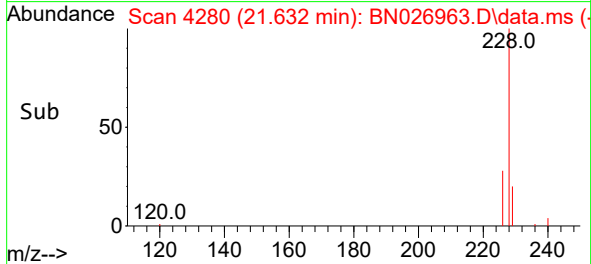


#21
Benzo(a)anthracene
Concen: 0.791 ng/ul
RT: 21.632 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

Instrument :
BNA_N
ClientSampleId :
A48H2

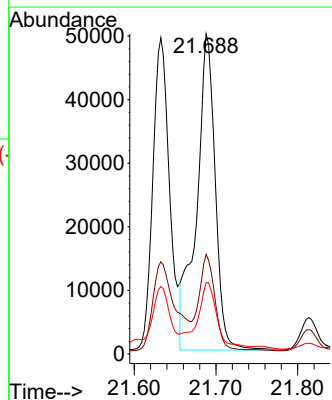
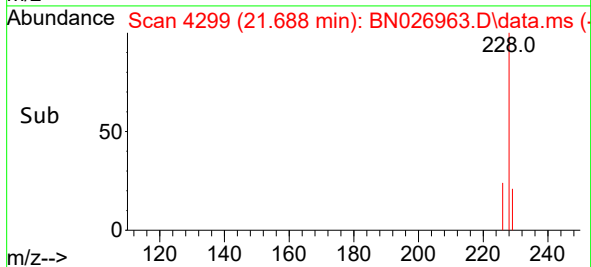
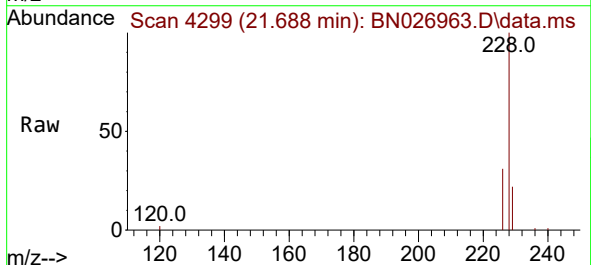


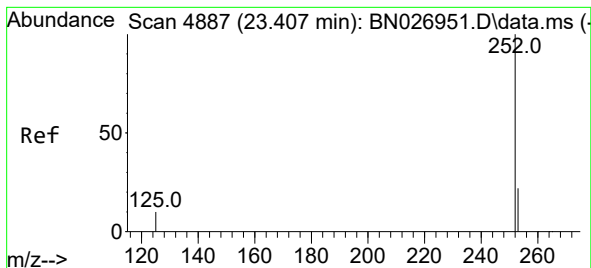
Tgt Ion:228 Resp: 69837
Ion Ratio Lower Upper
228 100
229 21.3 16.0 24.0
226 29.2 22.2 33.2



#22
Chrysene
Concen: 0.912 ng/ul
RT: 21.688 min Scan# 4299
Delta R.T. -0.003 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

Tgt Ion:228 Resp: 79469
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 22.3 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 1.682 ng/ul

RT: 23.407 min Scan# 4887

Delta R.T. -0.000 min

Lab File: BN026963.D

Acq: 18 Aug 2023 17:23

Instrument :

BNA_N

ClientSampleId :

A48H2

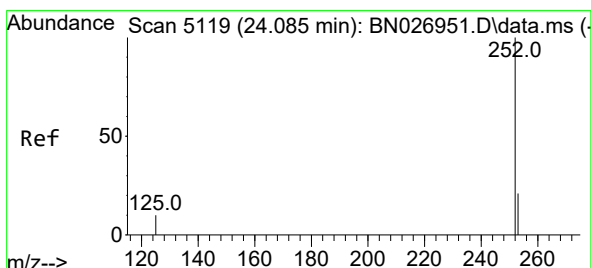
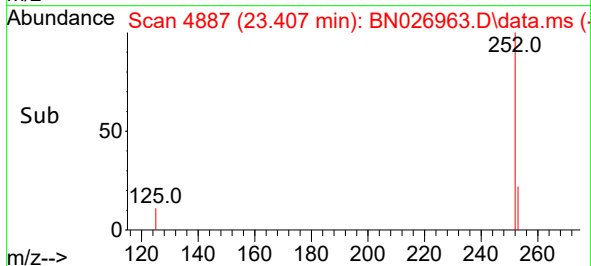
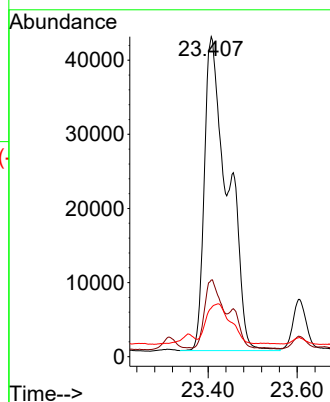
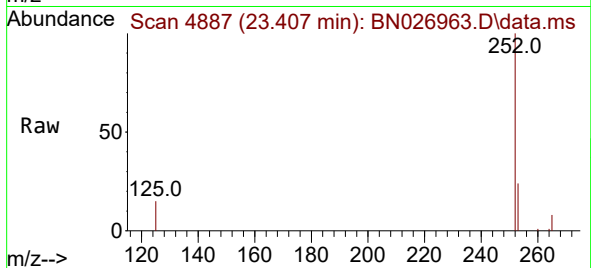
Tgt Ion:252 Resp: 154498

Ion Ratio Lower Upper

252 100

253 24.0 0.0 46.8

125 15.2 0.0 25.2



#26

Benzo(a)pyrene

Concen: 0.904 ng/ul

RT: 24.082 min Scan# 5118

Delta R.T. -0.003 min

Lab File: BN026963.D

Acq: 18 Aug 2023 17:23

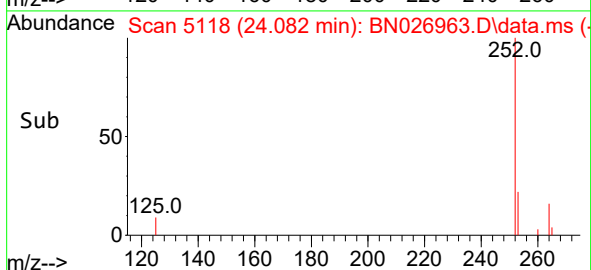
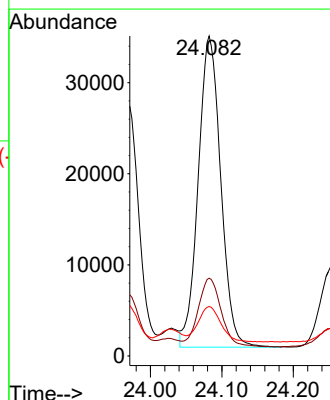
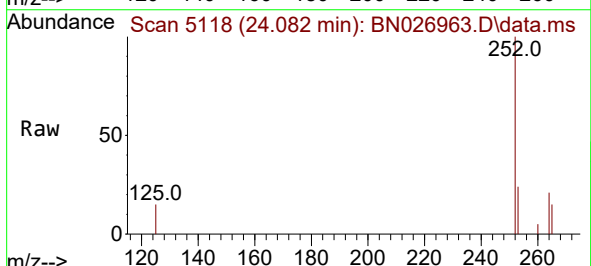
Tgt Ion:252 Resp: 74901

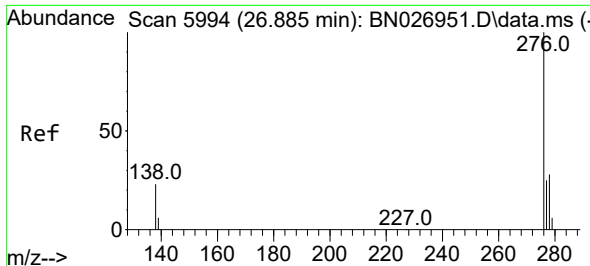
Ion Ratio Lower Upper

252 100

253 24.3 19.0 28.6

125 15.5 11.4 17.0

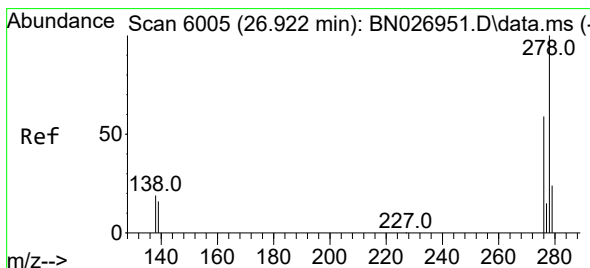
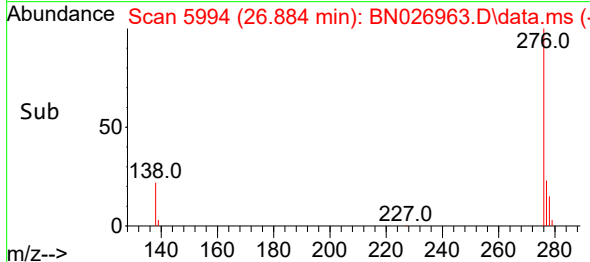
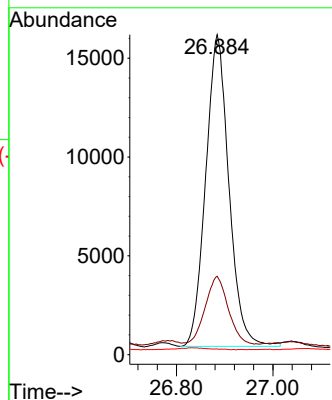
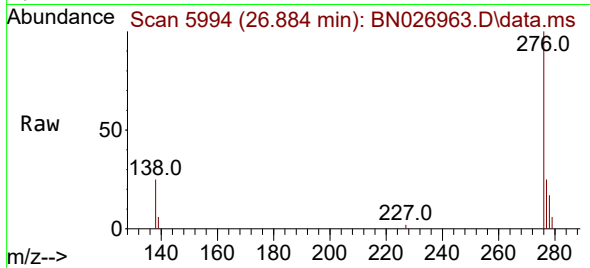




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.486 ng/ul
RT: 26.884 min Scan# 5994
Delta R.T. -0.001 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

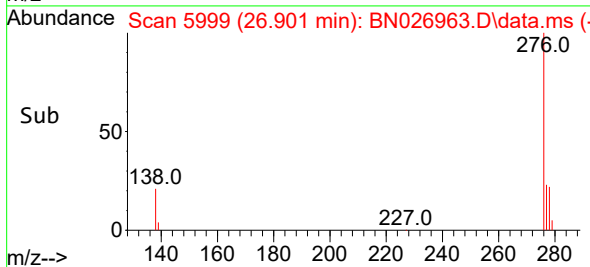
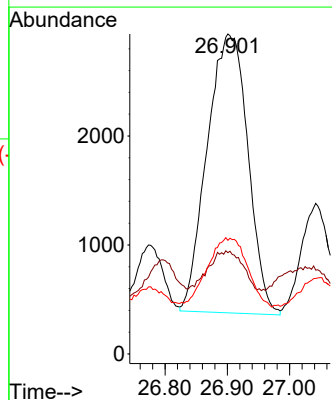
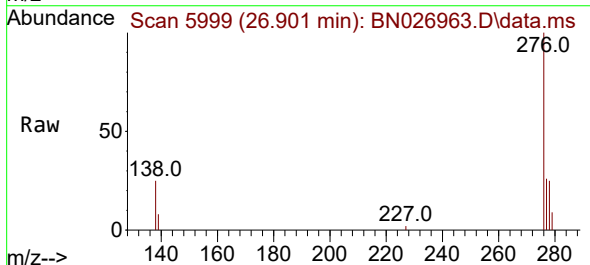
Instrument :
BNA_N
ClientSampleId :
A48H2

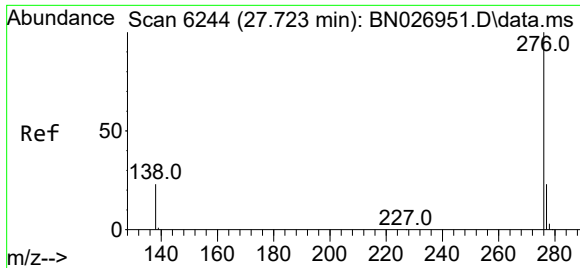
Tgt Ion:276 Resp: 52724
Ion Ratio Lower Upper
276 100
138 21.5 21.6 32.4#
227 0.0 0.0 0.0



#28
Dibenzo(a,h)anthracene
Concen: 0.135 ng/ul
RT: 26.901 min Scan# 5999
Delta R.T. -0.021 min
Lab File: BN026963.D
Acq: 18 Aug 2023 17:23

Tgt Ion:278 Resp: 11642
Ion Ratio Lower Upper
278 100
139 31.6 15.7 23.5#
279 35.5 20.2 30.4#





#29
 Benzo(g,h,i)perylene
 Concen: 0.573 ng/ul
 RT: 27.726 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: BN026963.D
 Acq: 18 Aug 2023 17:23

Instrument :
 BNA_N
 ClientSampleId :
 A48H2

Tgt Ion:	276	Resp:	51718
Ion	Ratio	Lower	Upper
276	100		
138	25.4	19.3	28.9
277	25.1	19.8	29.8

