

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070123\
 Data File : BN026126.D
 Acq On : 30 Jun 2023 12:06
 Operator : MA/JU
 Sample : 03239-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFZ2

Quant Time: Jul 01 00:54:51 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

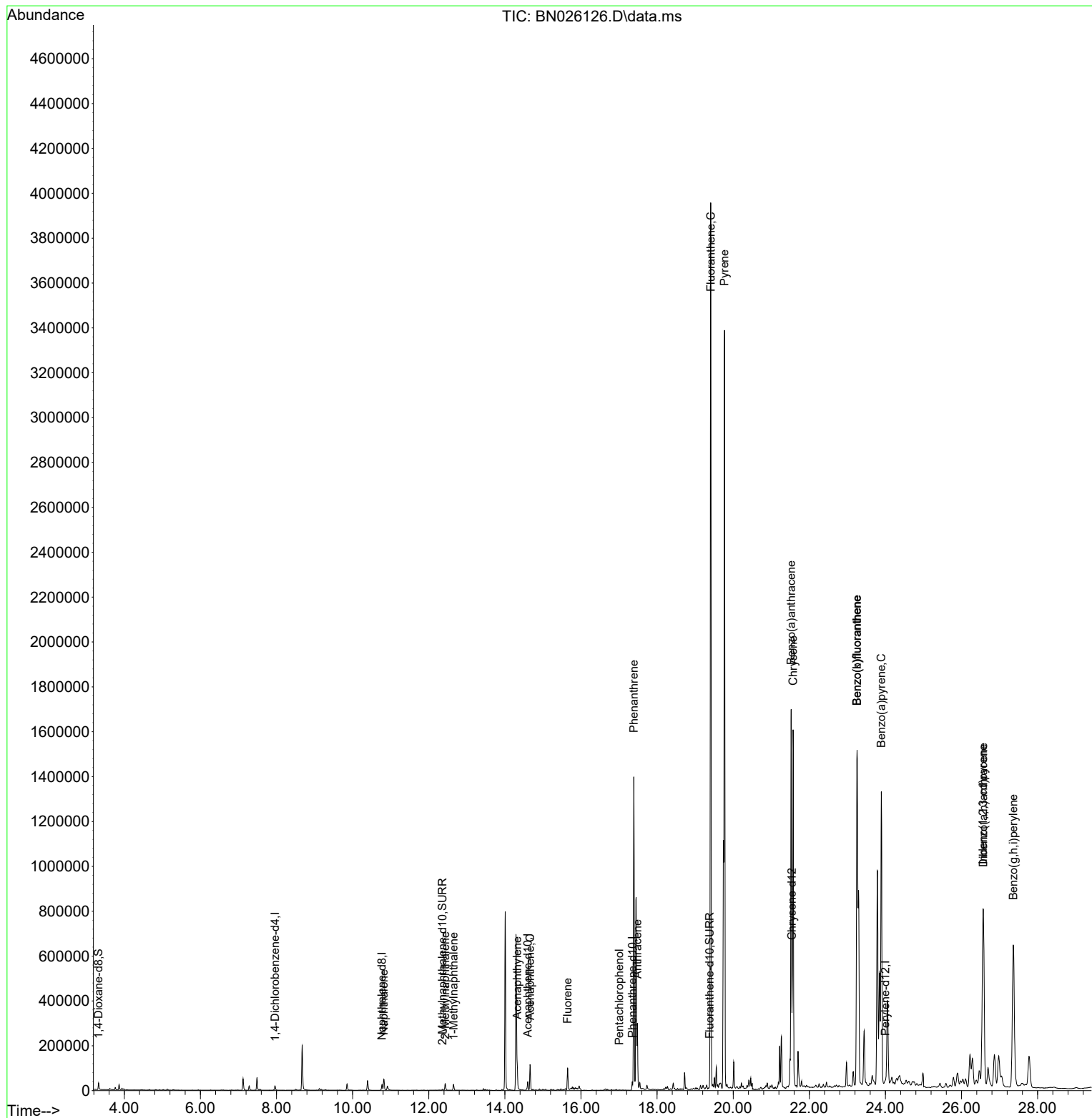
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	11235	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.770	136	35543	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.603	164	21013	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.347	188	41589	0.400	ng/ul	-0.01
17) Chrysene-d12	21.538	240	21498	0.400	ng/ul	0.00
23) Perylene-d12	23.996	264	28799	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	19955	1.577	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.360	152	6158	0.113	ng/ul	-0.01
18) Fluoranthene-d10	19.377	212	10688	0.131	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.820	128	71424	0.701	ng/ul	100
7) 2-Methylnaphthalene	12.431	142	23230	0.358	ng/ul	99
8) 1-Methylnaphthalene	12.651	142	18370	0.273	ng/ul	100
10) Acenaphthylene	14.325	152	134628	1.368	ng/ul	99
11) Acenaphthene	14.663	153	67601	0.840	ng/ul	100
12) Fluorene	15.648	166	63659	0.690	ng/ul	99
14) Pentachlorophenol	17.005	266	307	0.021	ng/ul	99
15) Phenanthrene	17.389	178	1512856	11.013	ng/ul	100
16) Anthracene	17.482	178	299517	2.453	ng/ul	100
19) Fluoranthene	19.410	202	3558564	30.991	ng/ul	97
20) Pyrene	19.772	202	2871988	24.047	ng/ul	95
21) Benzo(a)anthracene	21.523	228	1466173	16.532	ng/ul	98
22) Chrysene	21.576	228	1616510	17.517	ng/ul	97
24) Benzo(b)fluoranthene	23.253	252	3763239	30.616	ng/ul	88
25) Benzo(k)fluoranthene	23.253	252	3028269	24.534	ng/ul#	86
26) Benzo(a)pyrene	23.891	252	1895581	17.756	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.568	276	1580804	13.556	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.574	278	386134	4.375	ng/ul	91
29) Benzo(g,h,i)perylene	27.359	276	1551318	14.955	ng/ul#	93

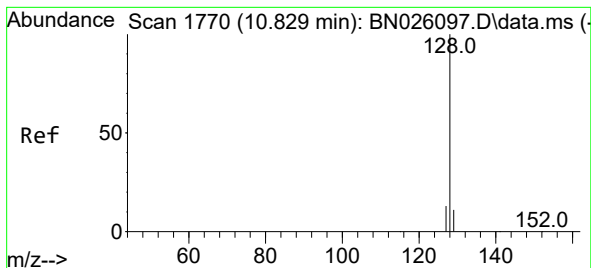
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.701 ng/ul

RT: 10.820 min Scan# 11

Delta R.T. -0.016 min

Lab File: BN026126.D

Acq: 30 Jun 2023 12:06

Instrument :

BNA_N

ClientSampleId :

DCFZ2

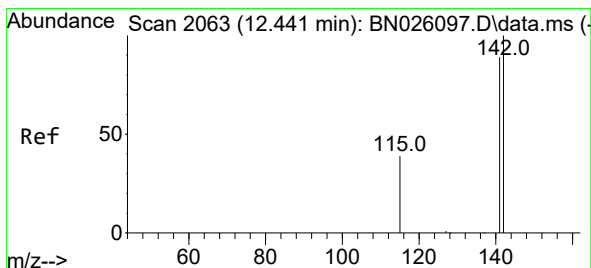
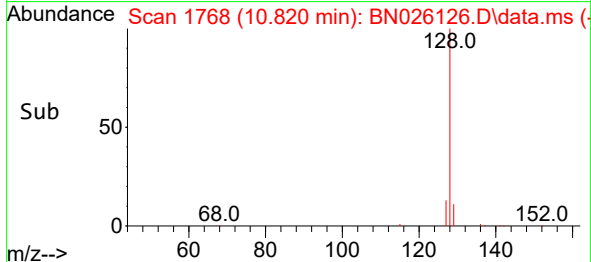
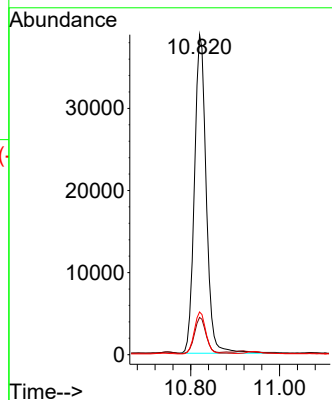
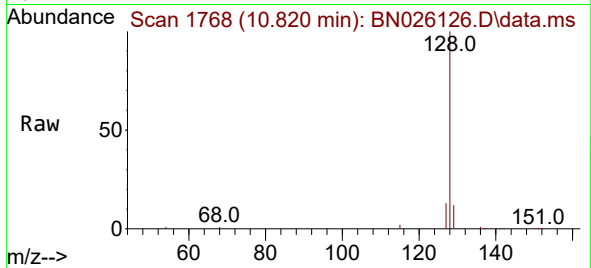
Tgt Ion:128 Resp: 71424

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

127 13.3 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.358 ng/ul

RT: 12.431 min Scan# 2061

Delta R.T. -0.016 min

Lab File: BN026126.D

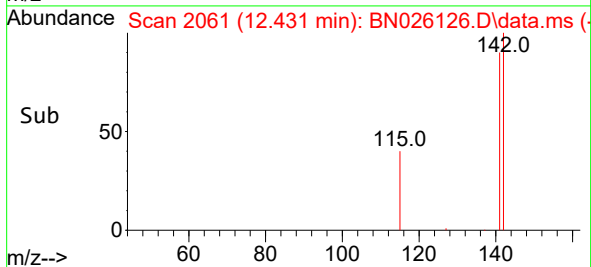
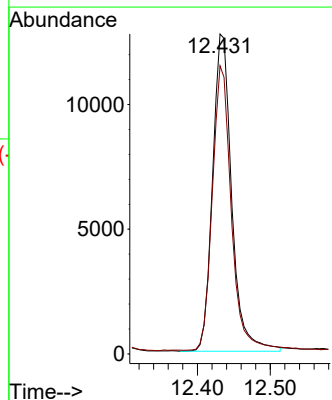
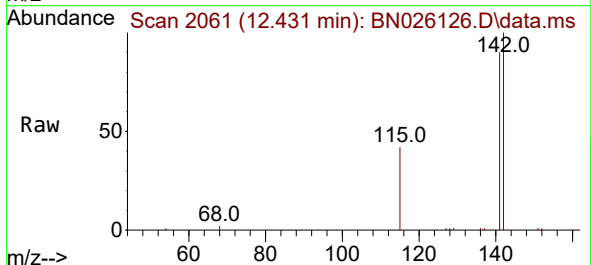
Acq: 30 Jun 2023 12:06

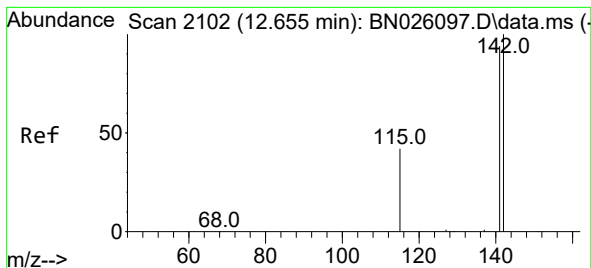
Tgt Ion:142 Resp: 23230

Ion Ratio Lower Upper

142 100

141 88.6 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.273 ng/ul

RT: 12.651 min Scan# 2101

Delta R.T. -0.011 min

Lab File: BN026126.D

Acq: 30 Jun 2023 12:06

Instrument :

BNA_N

ClientSampleId :

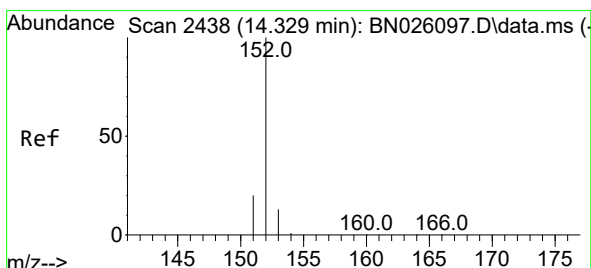
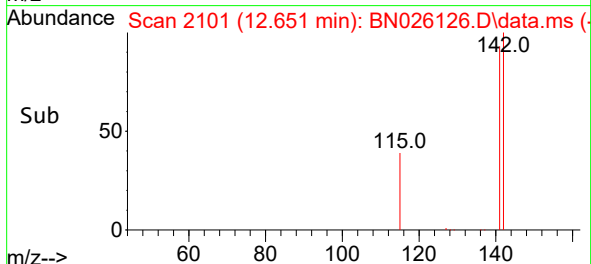
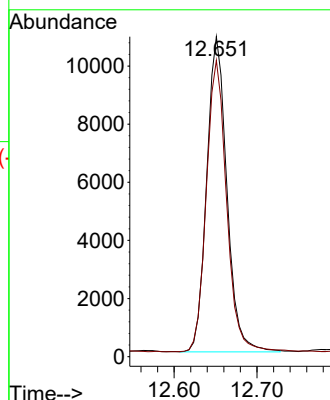
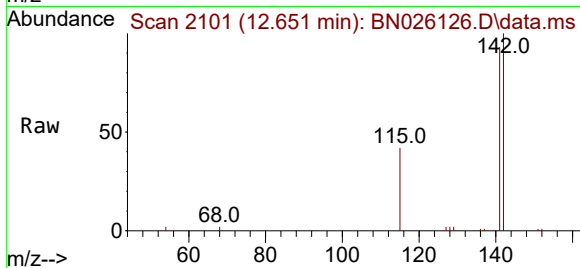
DCFZ2

Tgt Ion:142 Resp: 18370

Ion Ratio Lower Upper

142 100

141 92.5 74.2 111.4



#10

Acenaphthylene

Concen: 1.368 ng/ul

RT: 14.325 min Scan# 2437

Delta R.T. -0.004 min

Lab File: BN026126.D

Acq: 30 Jun 2023 12:06

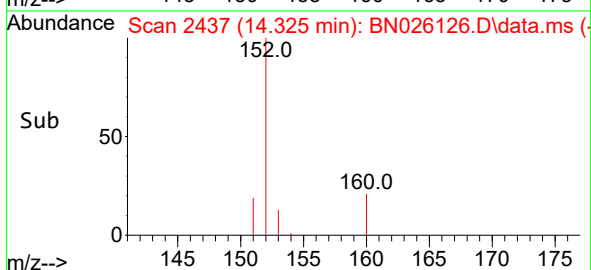
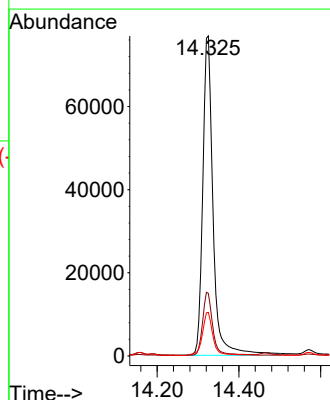
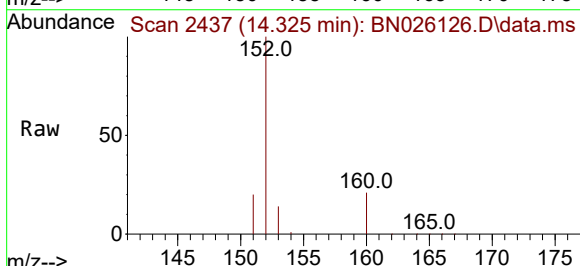
Tgt Ion:152 Resp: 134628

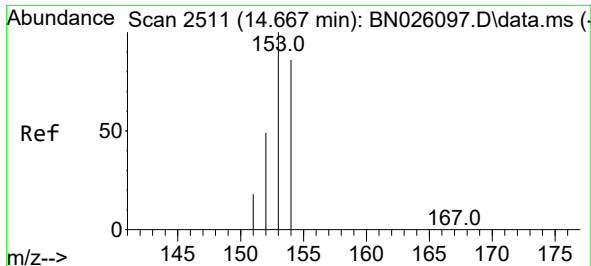
Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

153 13.6 10.9 16.3

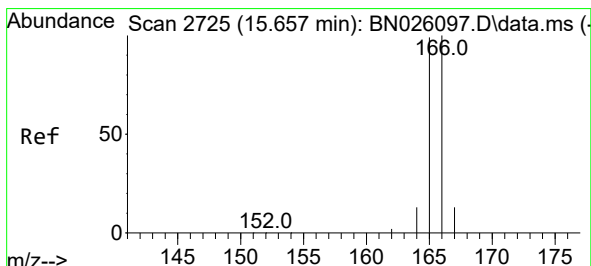
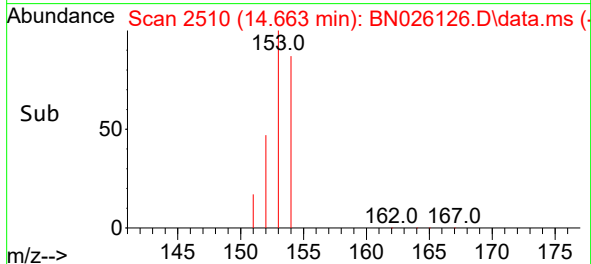
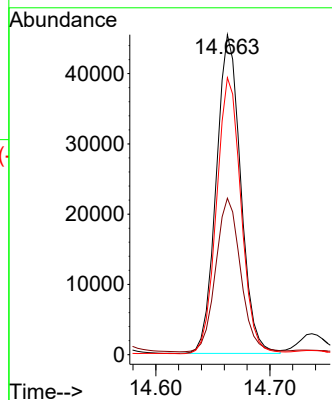
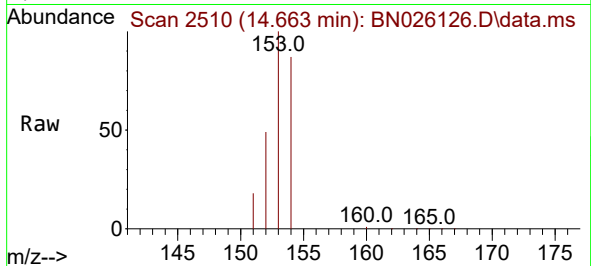




#11
Acenaphthene
Concen: 0.840 ng/ul
RT: 14.663 min Scan# 2511
Delta R.T. -0.009 min
Lab File: BN026126.D
Acq: 30 Jun 2023 12:06

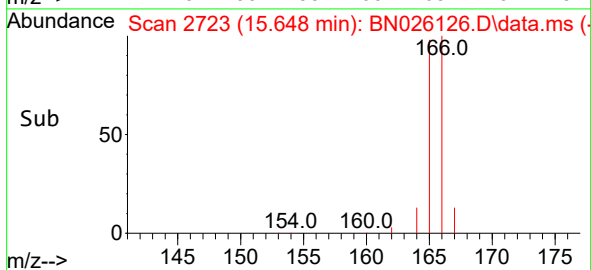
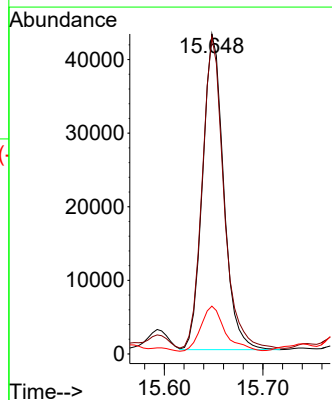
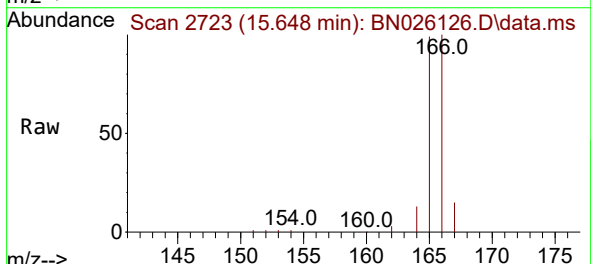
Instrument :
BNA_N
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DCFZ2

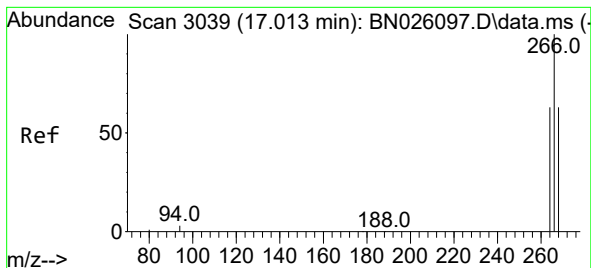
Tgt Ion:153 Resp: 67601
Ion Ratio Lower Upper
153 100
152 48.9 39.4 59.0
154 86.5 68.9 103.3



#12
Fluorene
Concen: 0.690 ng/ul
RT: 15.648 min Scan# 2723
Delta R.T. -0.014 min
Lab File: BN026126.D
Acq: 30 Jun 2023 12:06

Tgt Ion:166 Resp: 63659
Ion Ratio Lower Upper
166 100
165 99.1 79.9 119.9
167 14.9 10.8 16.2





#14

Pentachlorophenol

Concen: 0.021 ng/ul

RT: 17.005 min Scan# 3039

Delta R.T. -0.013 min

Lab File: BN026126.D

Acq: 30 Jun 2023 12:06

Instrument :

BNA_N

ClientSampleId :

DCFZ2

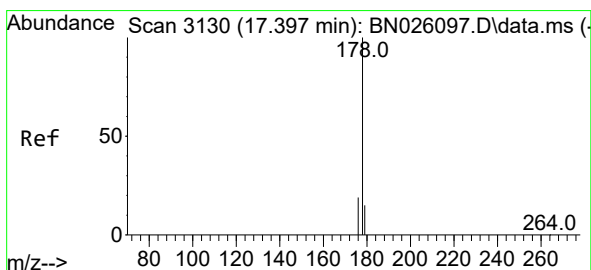
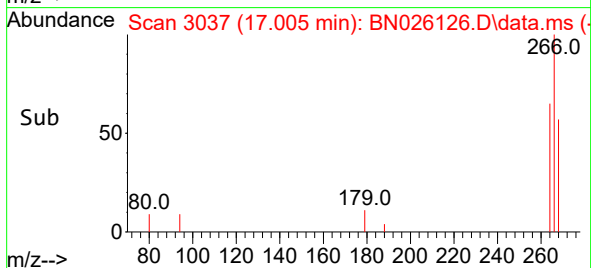
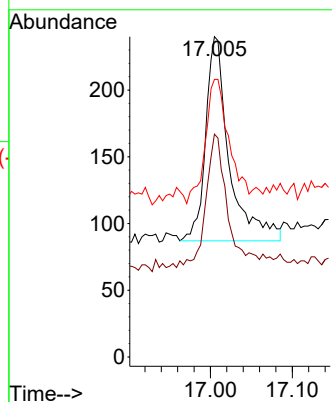
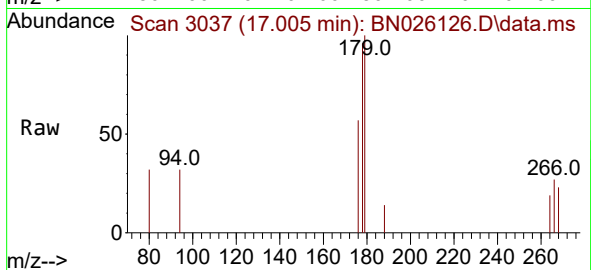
Tgt Ion:266 Resp: 307

Ion Ratio Lower Upper

266 100

264 64.2 50.5 75.7

268 63.8 51.6 77.4



#15

Phenanthrene

Concen: 11.013 ng/ul

RT: 17.389 min Scan# 3128

Delta R.T. -0.013 min

Lab File: BN026126.D

Acq: 30 Jun 2023 12:06

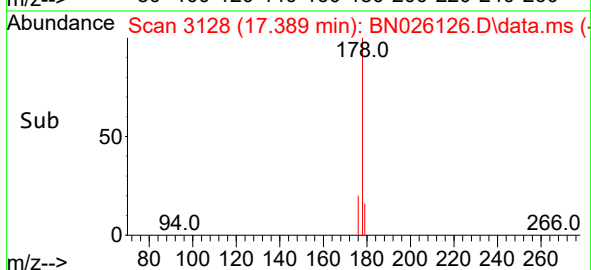
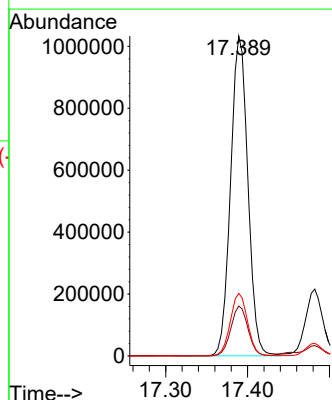
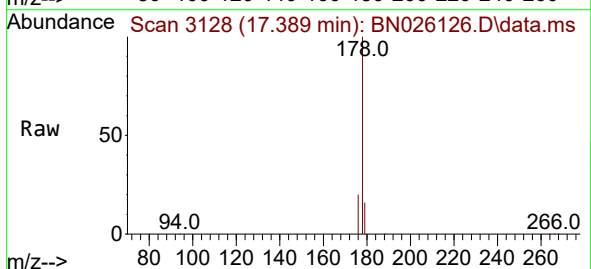
Tgt Ion:178 Resp: 1512856

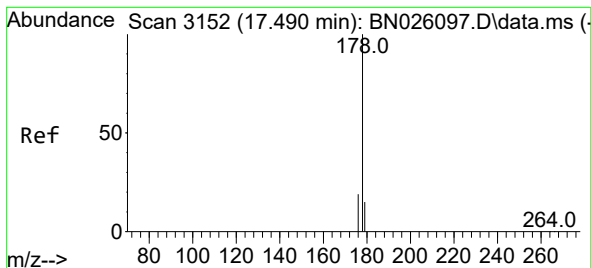
Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

176 19.6 15.8 23.6





#16

Anthracene

Concen: 2.453 ng/ul

RT: 17.482 min Scan# 3150

Delta R.T. -0.013 min

Lab File: BN026126.D

Acq: 30 Jun 2023 12:06

Instrument :

BNA_N

ClientSampleId :

DCFZ2

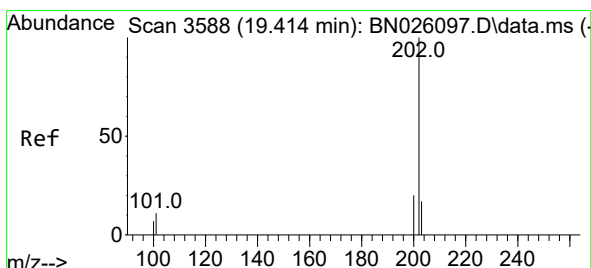
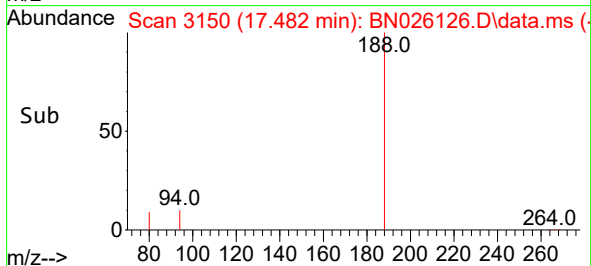
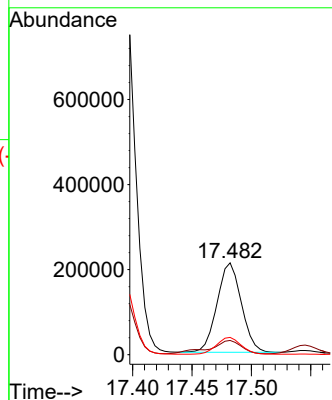
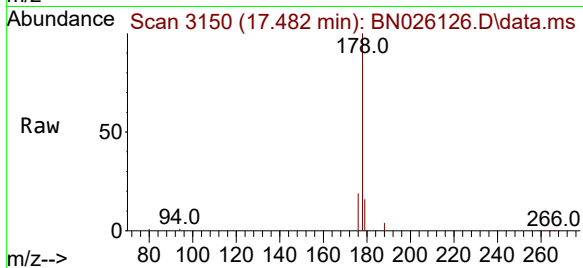
Tgt Ion:178 Resp: 299517

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 18.9 15.1 22.7



#19

Fluoranthene

Concen: 30.991 ng/ul

RT: 19.410 min Scan# 3587

Delta R.T. -0.005 min

Lab File: BN026126.D

Acq: 30 Jun 2023 12:06

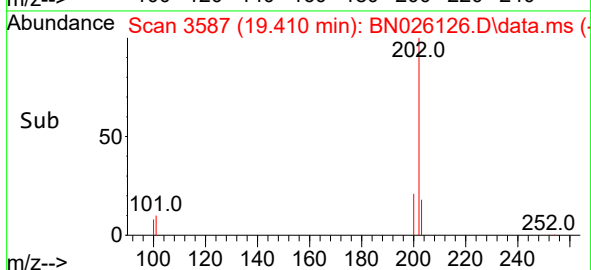
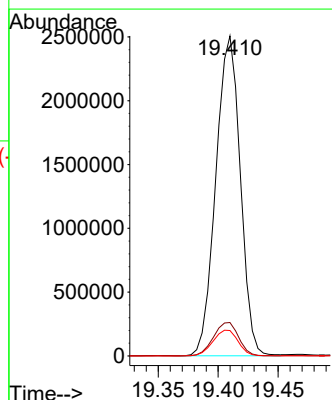
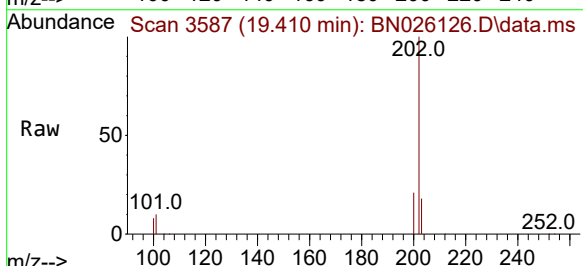
Tgt Ion:202 Resp: 3558564

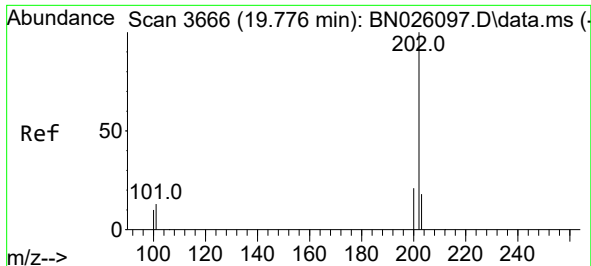
Ion Ratio Lower Upper

202 100

101 10.5 9.5 14.3

100 8.0 7.3 10.9

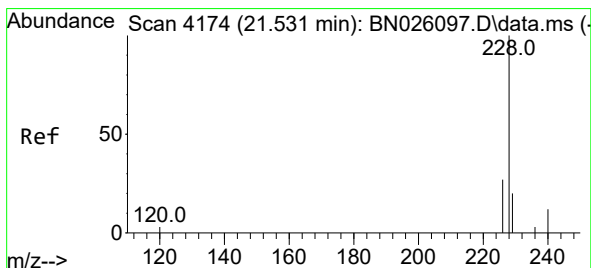
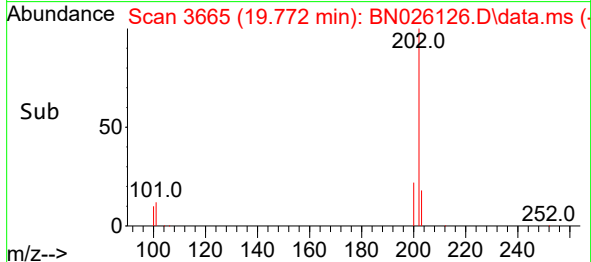
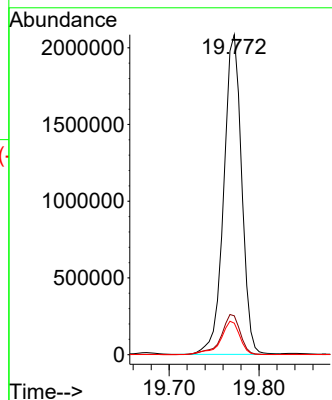
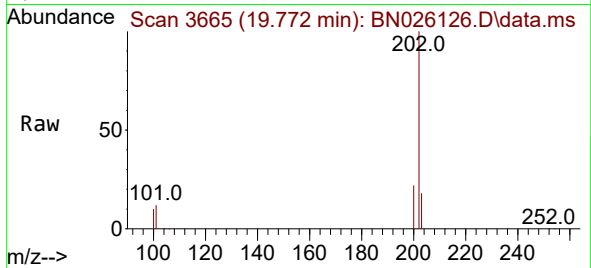




#20
Pyrene
Concen: 24.047 ng/ul
RT: 19.772 min Scan# 3665
Delta R.T. -0.005 min
Lab File: BN026126.D
Acq: 30 Jun 2023 12:06

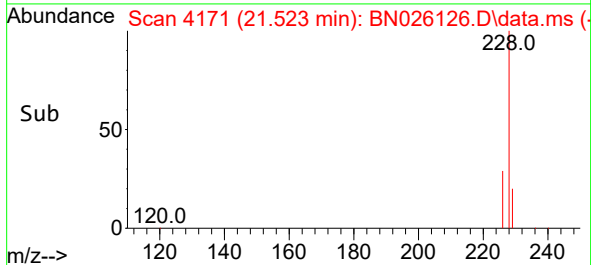
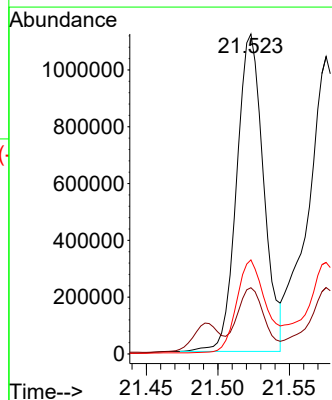
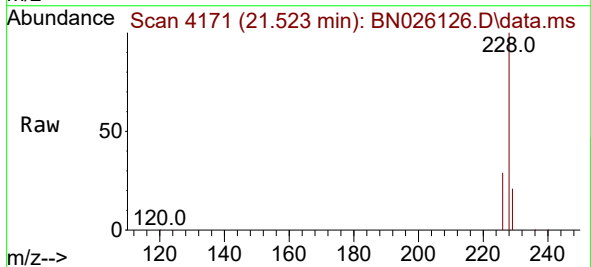
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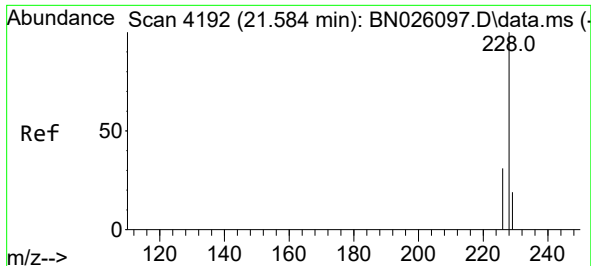
Tgt Ion:202 Resp: 2871988
Ion Ratio Lower Upper
202 100
101 12.1 11.4 17.0
100 9.8 9.1 13.7



#21
Benzo(a)anthracene
Concen: 16.532 ng/ul
RT: 21.523 min Scan# 4171
Delta R.T. -0.006 min
Lab File: BN026126.D
Acq: 30 Jun 2023 12:06

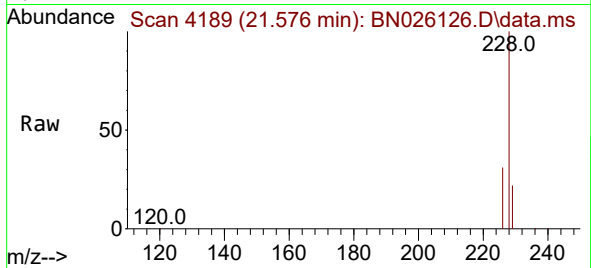
Tgt Ion:228 Resp: 1466173
Ion Ratio Lower Upper
228 100
229 20.7 15.8 23.6
226 29.4 22.5 33.7



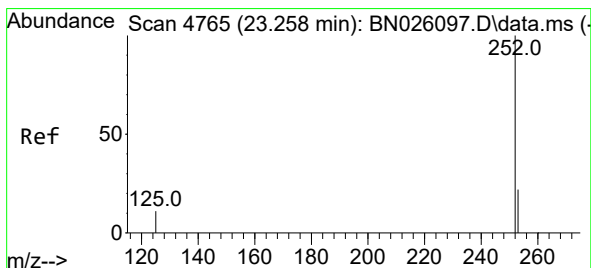
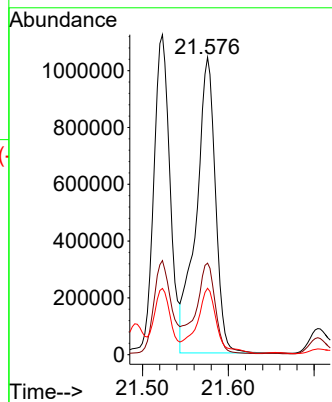
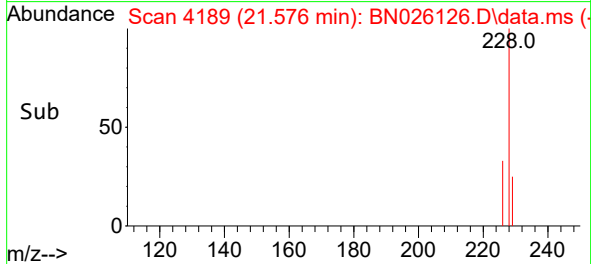


#22
Chrysene
Concen: 17.517 ng/ul
RT: 21.576 min Scan# 4192
Delta R.T. -0.003 min
Lab File: BN026126.D
Acq: 30 Jun 2023 12:06

Instrument :
BNA_N
ClientSampleId :
DCFZ2

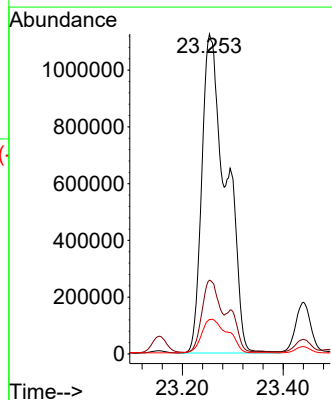
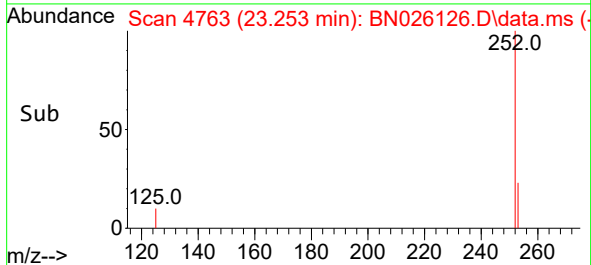
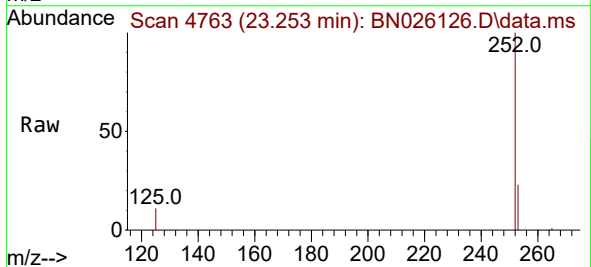


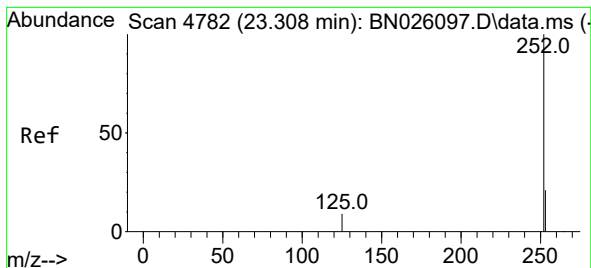
Tgt Ion:228 Resp: 1616510
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 22.3 15.7 23.5



#24
Benzo(b)fluoranthene
Concen: 30.616 ng/ul
RT: 23.253 min Scan# 4763
Delta R.T. 0.000 min
Lab File: BN026126.D
Acq: 30 Jun 2023 12:06

Tgt Ion:252 Resp: 3763239
Ion Ratio Lower Upper
252 100
253 23.1 0.0 55.6
125 10.8 0.0 35.8





#25

Benzo(k)fluoranthene

Concen: 24.534 ng/ul

RT: 23.253 min Scan# 41

Delta R.T. -0.050 min

Lab File: BN026126.D

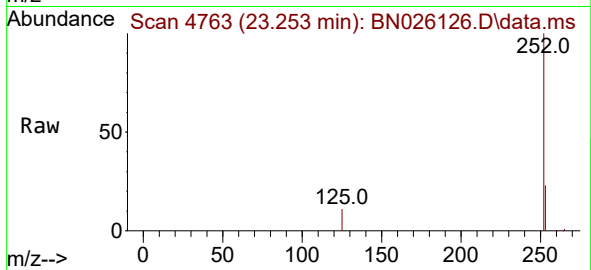
Acq: 30 Jun 2023 12:06

Instrument :

BNA_N

ClientSampleId :

DCFZ2



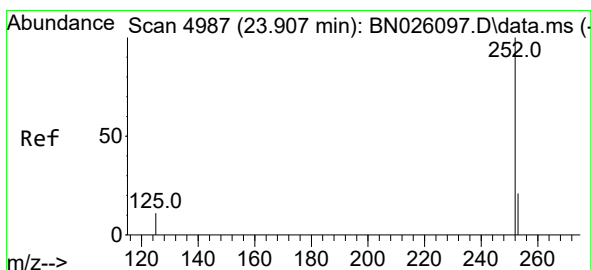
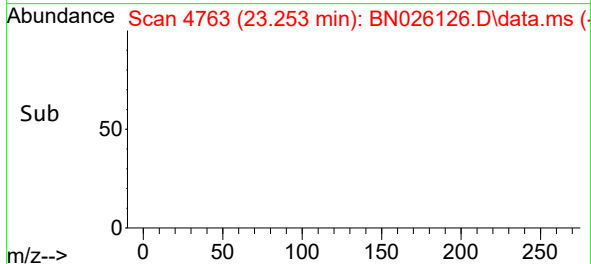
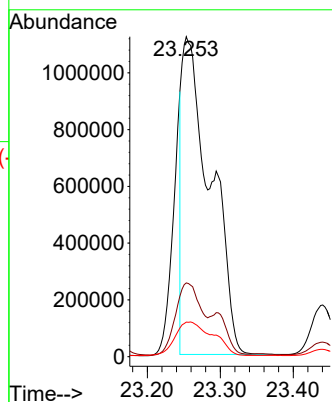
Tgt Ion:252 Resp: 3028269

Ion Ratio Lower Upper

252 100

253 23.1 23.2 34.8#

125 10.8 15.0 22.4#



#26

Benzo(a)pyrene

Concen: 17.756 ng/ul

RT: 23.891 min Scan# 4981

Delta R.T. -0.014 min

Lab File: BN026126.D

Acq: 30 Jun 2023 12:06

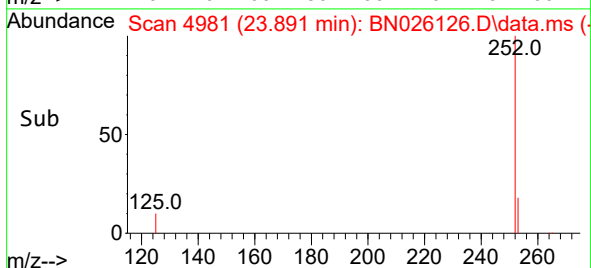
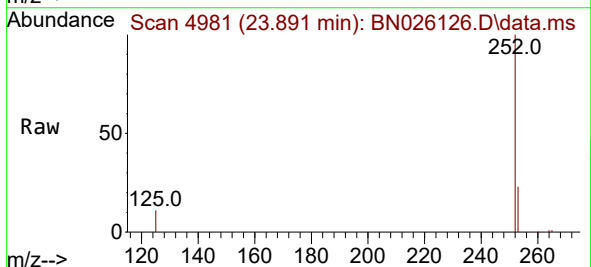
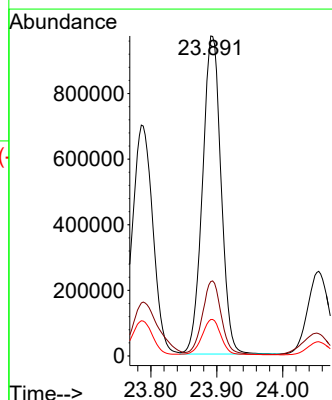
Tgt Ion:252 Resp: 1895581

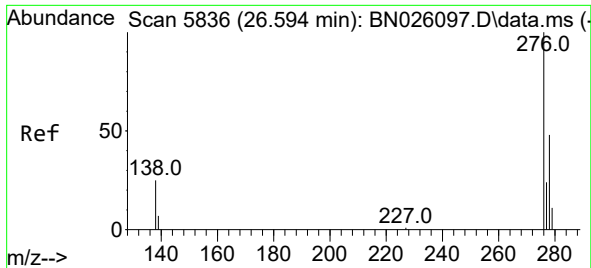
Ion Ratio Lower Upper

252 100

253 23.3 26.0 39.0#

125 11.4 17.3 25.9#

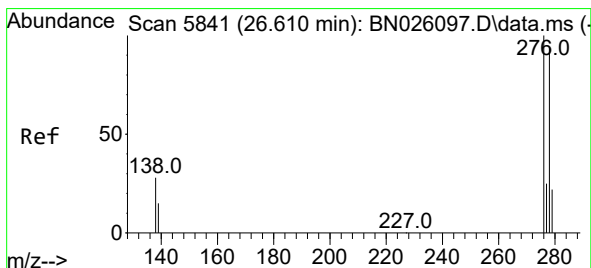
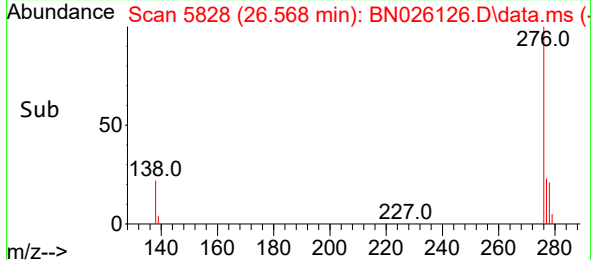
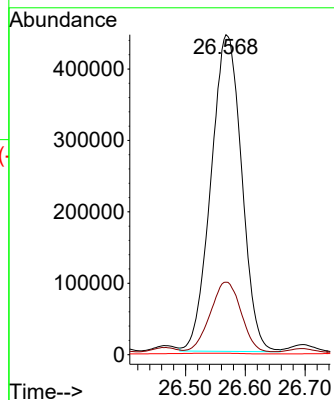
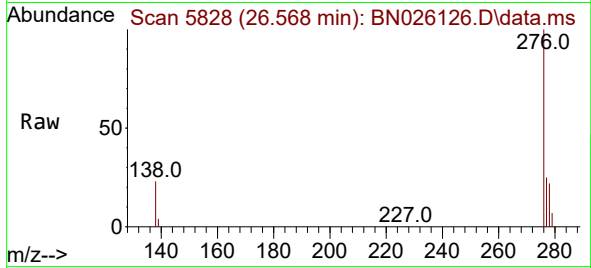




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 13.556 ng/ul
 RT: 26.568 min Scan# 5828
 Delta R.T. -0.027 min
 Lab File: BN026126.D
 Acq: 30 Jun 2023 12:06

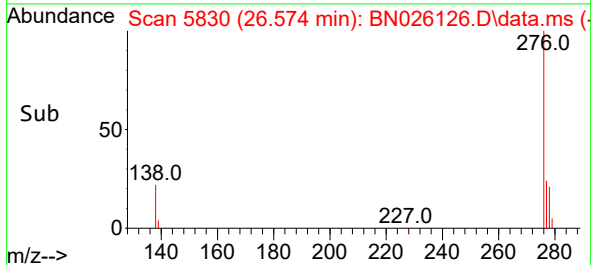
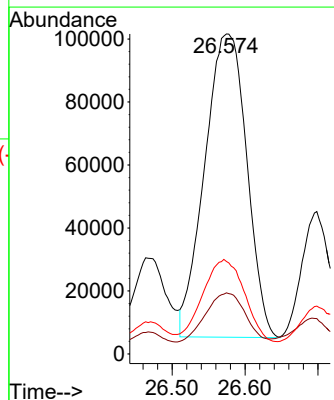
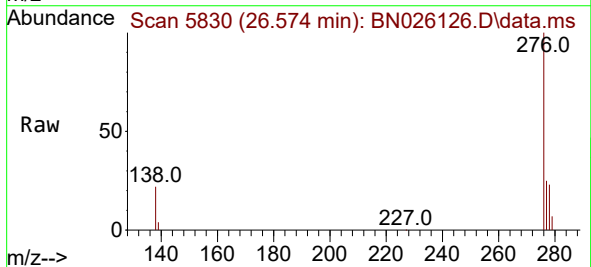
Instrument :
 BNA_N
 ClientSampleId :
 DCFZ2

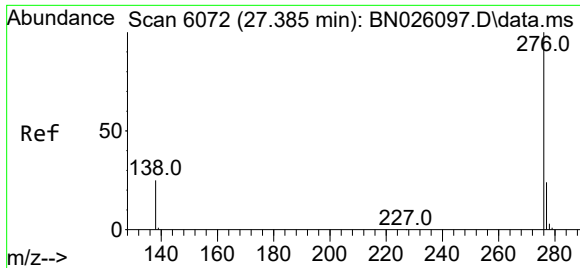
Tgt Ion:276 Resp: 1580804
 Ion Ratio Lower Upper
 276 100
 138 22.3 24.5 36.7#
 227 0.0 0.0 0.0



#28
 Dibenzo(a,h)anthracene
 Concen: 4.375 ng/ul
 RT: 26.574 min Scan# 5830
 Delta R.T. -0.040 min
 Lab File: BN026126.D
 Acq: 30 Jun 2023 12:06

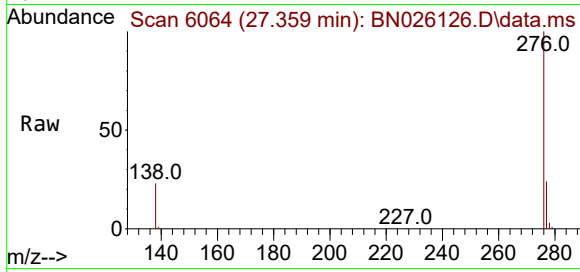
Tgt Ion:278 Resp: 386134
 Ion Ratio Lower Upper
 278 100
 139 19.1 19.0 28.4
 279 28.9 26.7 40.1





#29
Benzo(g,h,i)perylene
Concen: 14.955 ng/ul
RT: 27.359 min Scan# 6064
Delta R.T. -0.027 min
Lab File: BN026126.D
Acq: 30 Jun 2023 12:06

Instrument :
BNA_N
ClientSampleId :
DCFZ2



Tgt Ion:276 Resp: 1551318
Ion Ratio Lower Upper
276 100
138 23.0 23.4 35.0#
277 23.9 20.0 30.0

