

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070123\
 Data File : BN026131.D
 Acq On : 30 Jun 2023 15:09
 Operator : MA/JU
 Sample : 03239-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFY2

Quant Time: Jul 01 00:55:51 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)

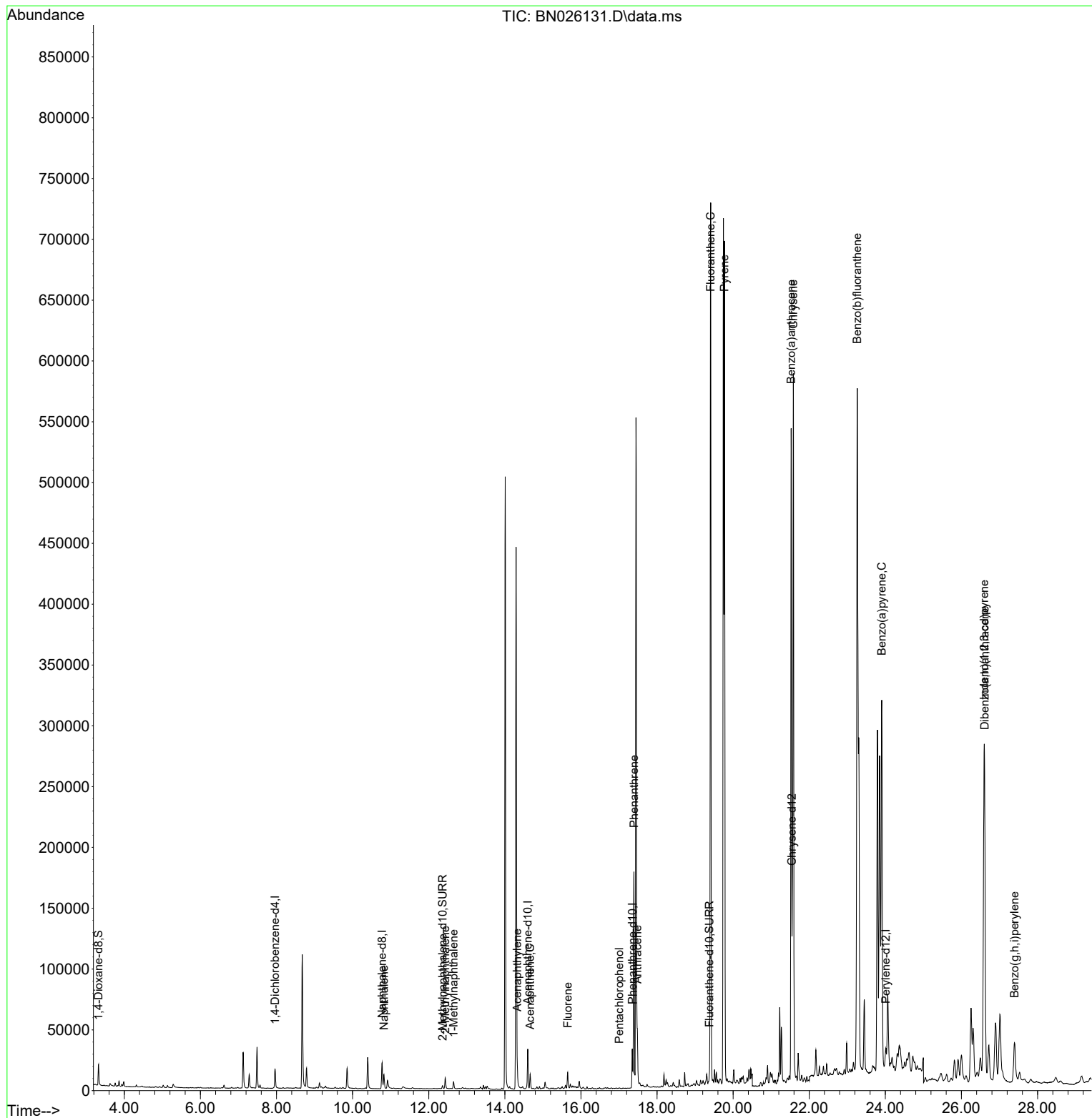
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	9328	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.774	136	30883	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.602	164	18403	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.351	188	38896	0.400	ng/ul	0.00
17) Chrysene-d12	21.543	240	21781	0.400	ng/ul	0.00
23) Perylene-d12	24.010	264	23679	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	11947	1.137	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.364	152	3835	0.081	ng/ul	0.00
18) Fluoranthene-d10	19.376	212	8060	0.097	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.824	128	16348	0.185	ng/ul	99
7) 2-Methylnaphthalene	12.435	142	6809	0.121	ng/ul	100
8) 1-Methylnaphthalene	12.655	142	4405	0.075	ng/ul	99
10) Acenaphthylene	14.325	152	16658	0.193	ng/ul	98
11) Acenaphthene	14.667	153	7061	0.100	ng/ul	97
12) Fluorene	15.652	166	8734	0.108	ng/ul	97
14) Pentachlorophenol	17.009	266	311	0.022	ng/ul	95
15) Phenanthrene	17.393	178	193687	1.508	ng/ul	99
16) Anthracene	17.481	178	44487	0.390	ng/ul	99
19) Fluoranthene	19.409	202	642546	5.523	ng/ul	98
20) Pyrene	19.771	202	588021	4.860	ng/ul	97
21) Benzo(a)anthracene	21.525	228	489021	5.442	ng/ul	99
22) Chrysene	21.581	228	609056	6.514	ng/ul	98
24) Benzo(b)fluoranthene	23.261	252	1304481	12.907	ng/ul	89
26) Benzo(a)pyrene	23.904	252	493067	5.617	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.600	276	442385	4.614	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.610	278	147539	2.033	ng/ul#	88
29) Benzo(g,h,i)perylene	27.395	276	81055	0.950	ng/ul	96

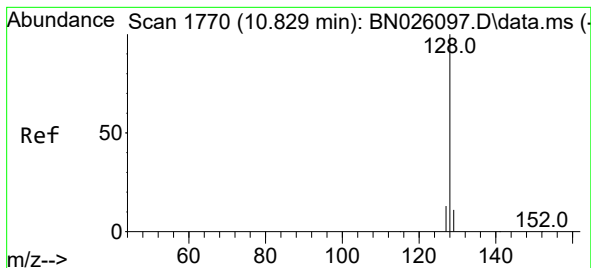
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.185 ng/ul

RT: 10.824 min Scan# 1769

Delta R.T. -0.012 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

Instrument :

BNA_N

ClientSampleId :

DCFY2

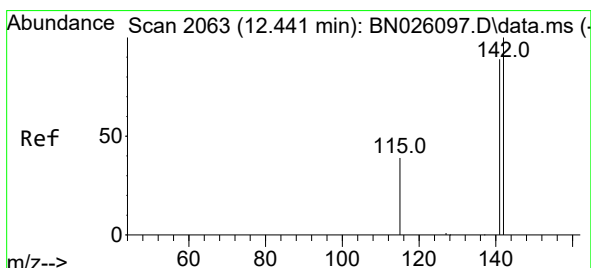
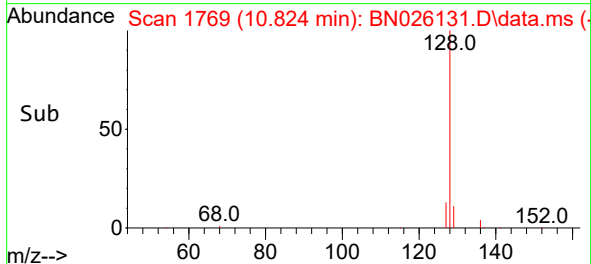
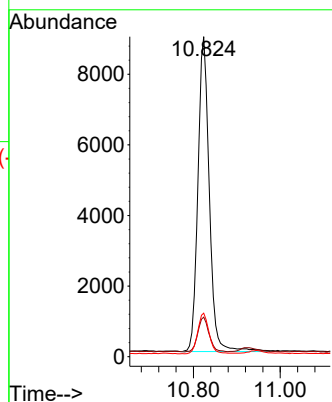
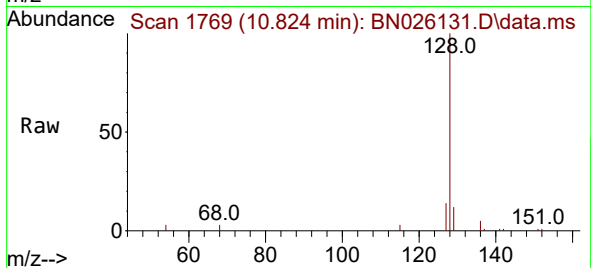
Tgt Ion:128 Resp: 16348

Ion Ratio Lower Upper

128 100

129 12.4 9.1 13.7

127 13.6 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.121 ng/ul

RT: 12.435 min Scan# 2062

Delta R.T. -0.012 min

Lab File: BN026131.D

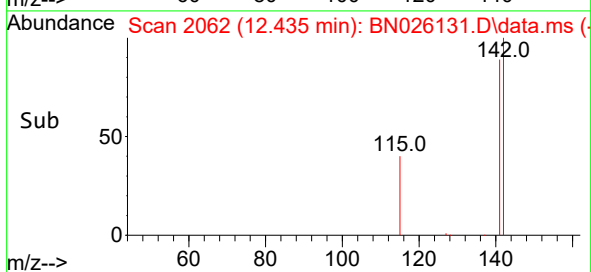
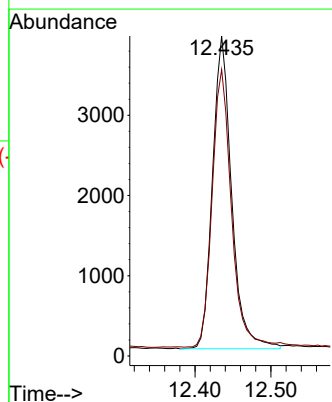
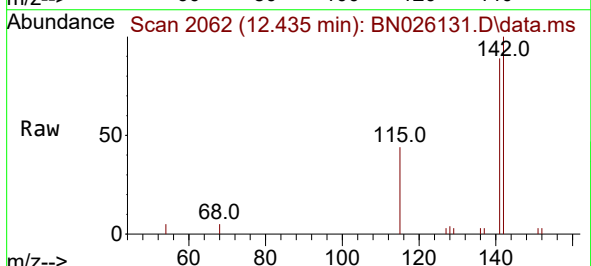
Acq: 30 Jun 2023 15:09

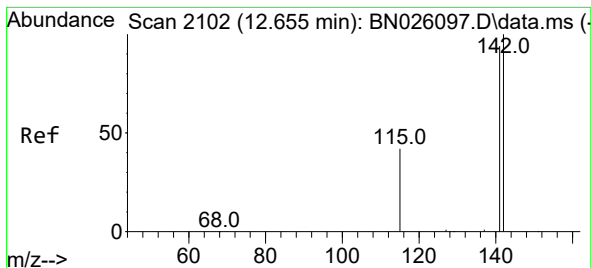
Tgt Ion:142 Resp: 6809

Ion Ratio Lower Upper

142 100

141 89.7 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.075 ng/ul

RT: 12.655 min Scan# 2102

Delta R.T. -0.007 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

Instrument :

BNA_N

ClientSampleId :

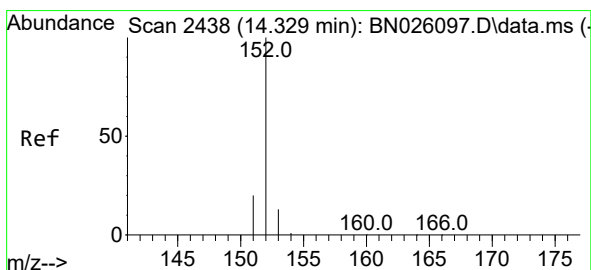
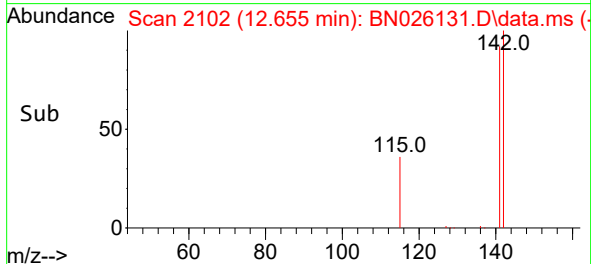
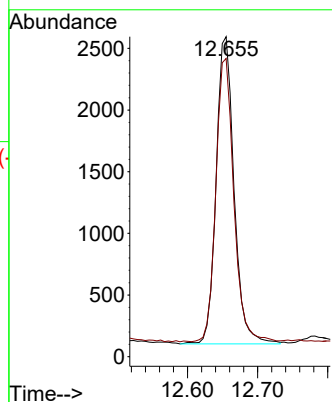
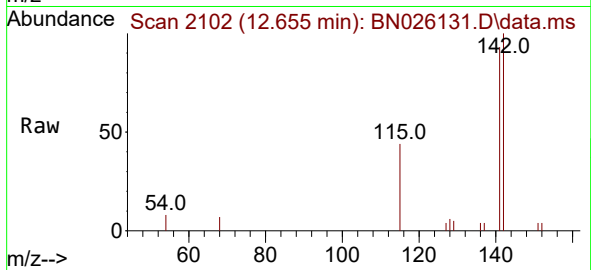
DCFY2

Tgt Ion:142 Resp: 4405

Ion Ratio Lower Upper

142 100

141 92.3 74.2 111.4



#10

Acenaphthylene

Concen: 0.193 ng/ul

RT: 14.325 min Scan# 2437

Delta R.T. -0.005 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

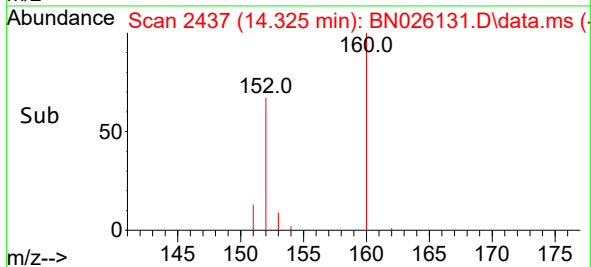
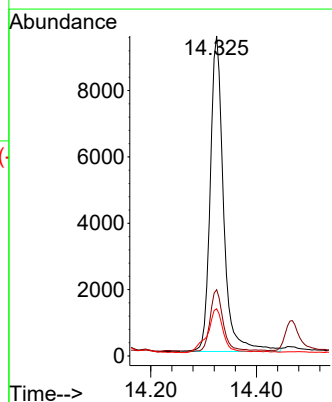
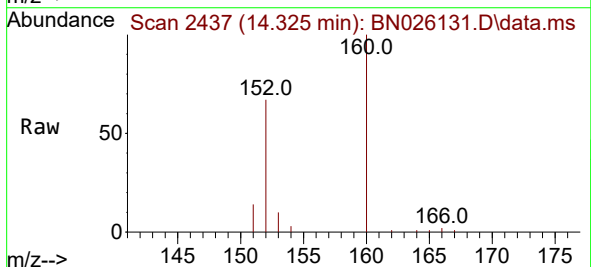
Tgt Ion:152 Resp: 16658

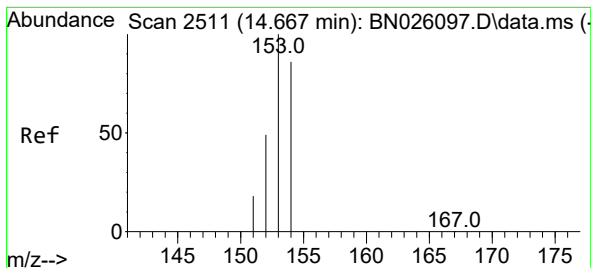
Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

153 14.7 10.9 16.3





#11

Acenaphthene

Concen: 0.100 ng/ul

RT: 14.667 min Scan# 2511

Delta R.T. -0.005 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

Instrument :

BNA_N

ClientSampleId :

DCFY2

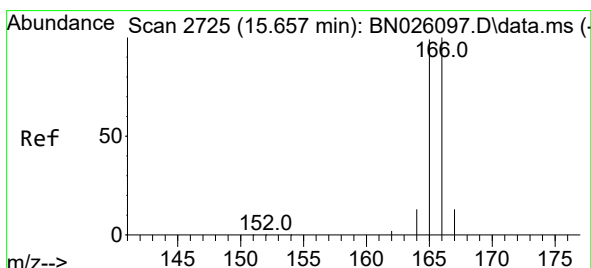
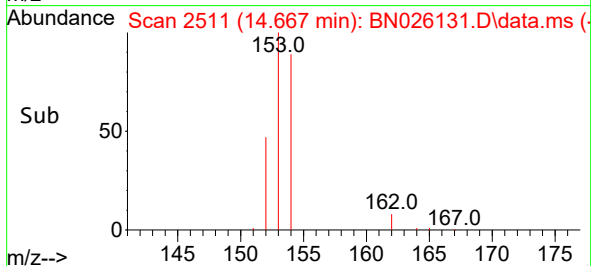
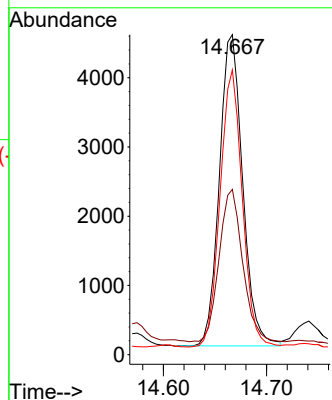
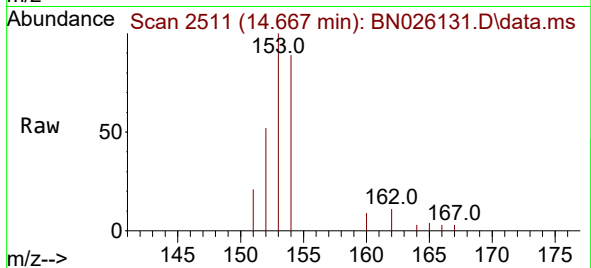
Tgt Ion:153 Resp: 7061

Ion Ratio Lower Upper

153 100

152 51.7 39.4 59.0

154 89.0 68.9 103.3



#12

Fluorene

Concen: 0.108 ng/ul

RT: 15.652 min Scan# 2724

Delta R.T. -0.010 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

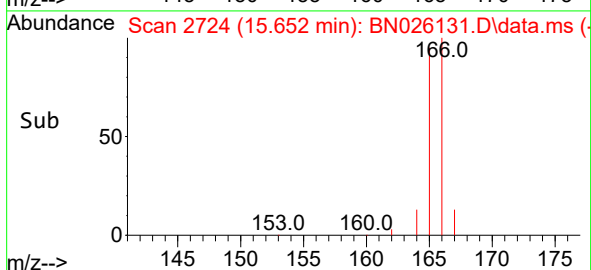
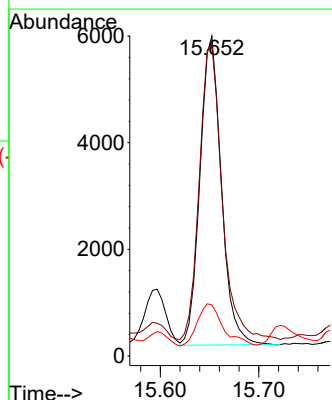
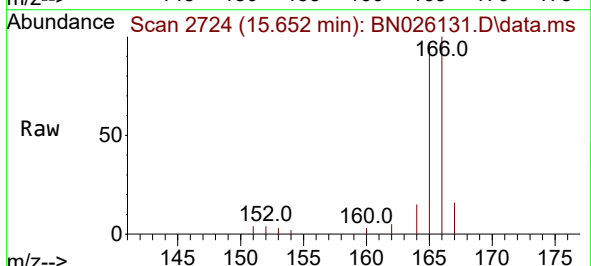
Tgt Ion:166 Resp: 8734

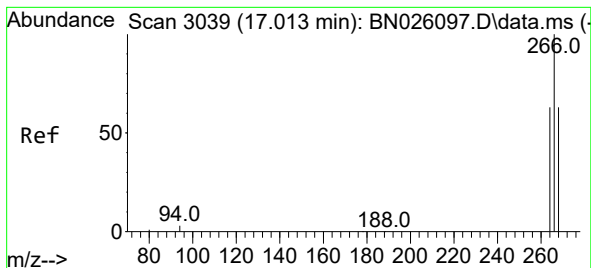
Ion Ratio Lower Upper

166 100

165 97.4 79.9 119.9

167 16.0 10.8 16.2





#14

Pentachlorophenol

Concen: 0.022 ng/ul

RT: 17.009 min Scan# 3039

Delta R.T. -0.009 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

Instrument :

BNA_N

ClientSampleId :

DCFY2

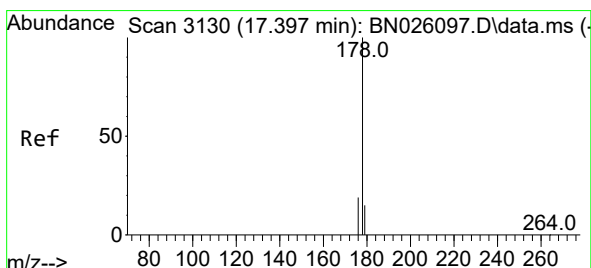
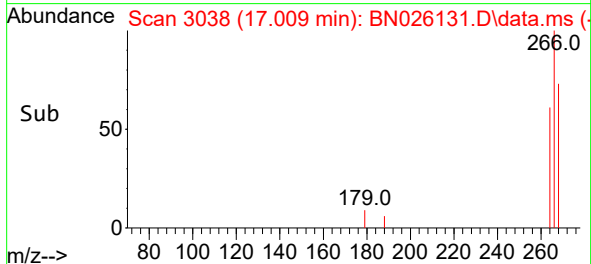
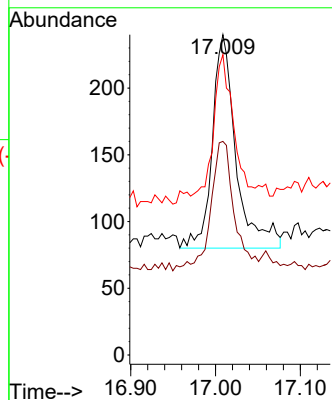
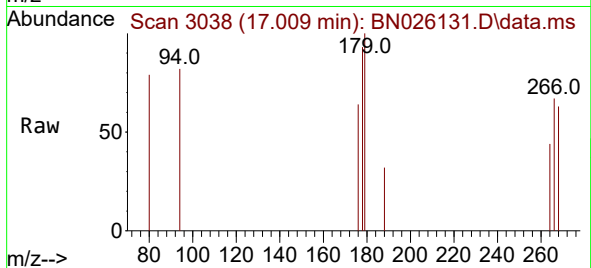
Tgt Ion:266 Resp: 311

Ion Ratio Lower Upper

266 100

264 60.5 50.5 75.7

268 60.1 51.6 77.4



#15

Phenanthrene

Concen: 1.508 ng/ul

RT: 17.393 min Scan# 3129

Delta R.T. -0.009 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

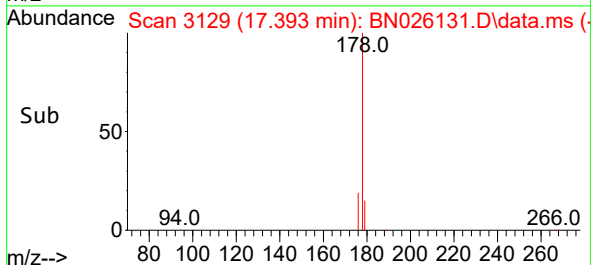
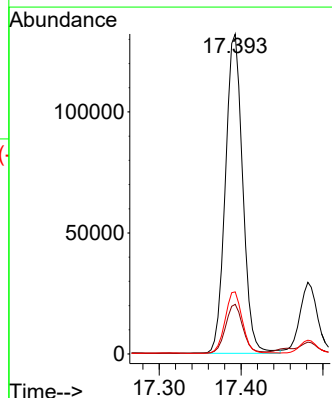
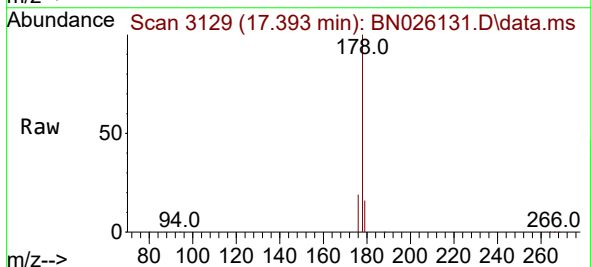
Tgt Ion:178 Resp: 193687

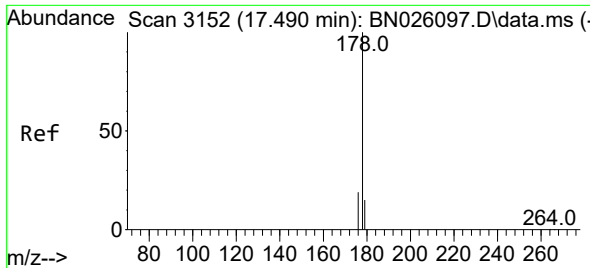
Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

176 19.4 15.8 23.6

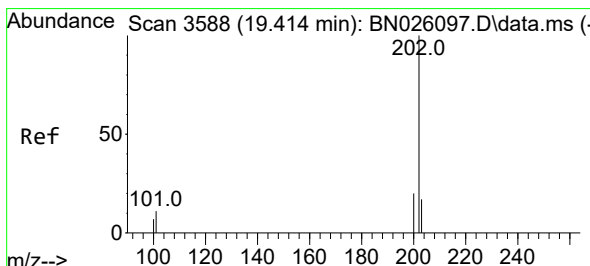
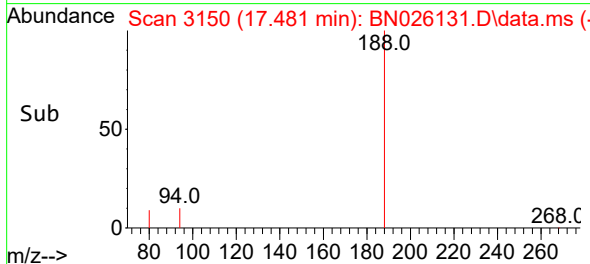
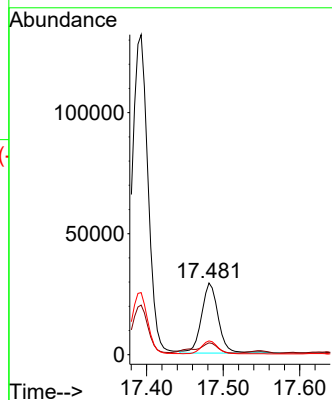
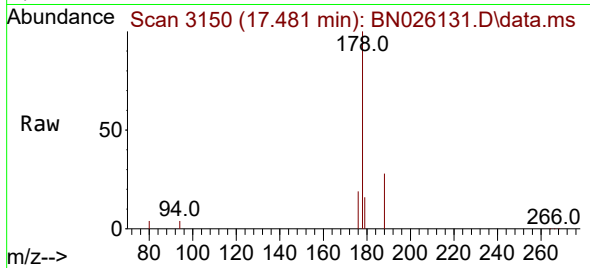




#16
 Anthracene
 Concen: 0.390 ng/ul
 RT: 17.481 min Scan# 3152
 Delta R.T. -0.013 min
 Lab File: BN026131.D
 Acq: 30 Jun 2023 15:09

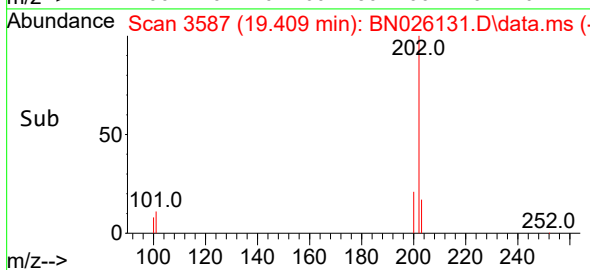
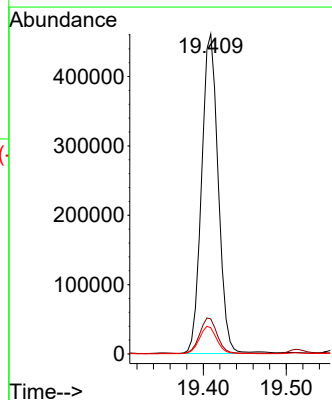
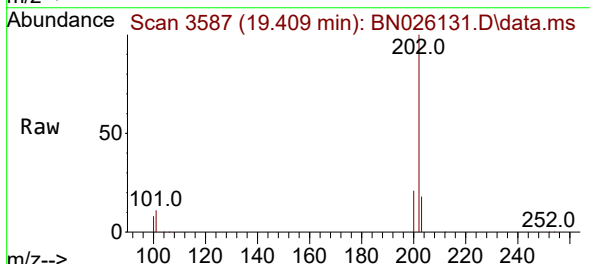
Instrument :
 BNA_N
 ClientSampleId :
 DCFY2

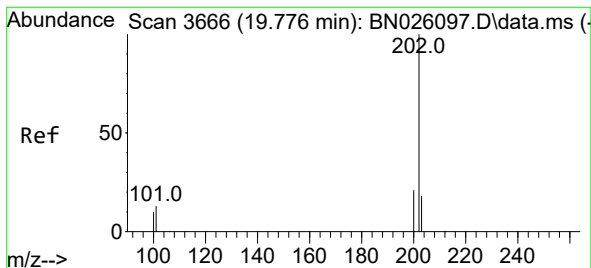
Tgt Ion:178 Resp: 44487
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.6 18.8
 176 19.2 15.1 22.7



#19
 Fluoranthene
 Concen: 5.523 ng/ul
 RT: 19.409 min Scan# 3587
 Delta R.T. -0.005 min
 Lab File: BN026131.D
 Acq: 30 Jun 2023 15:09

Tgt Ion:202 Resp: 642546
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.5 14.3
 100 8.2 7.3 10.9





#20

Pyrene

Concen: 4.860 ng/ul

RT: 19.771 min Scan# 3665

Delta R.T. -0.005 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

Instrument :

BNA_N

ClientSampleId :

DCFY2

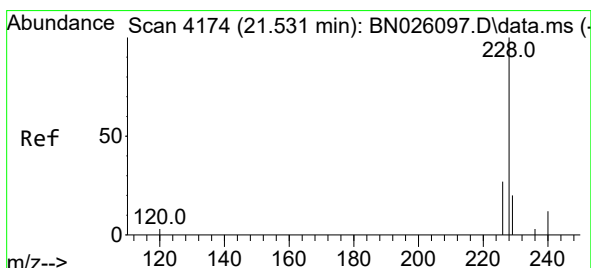
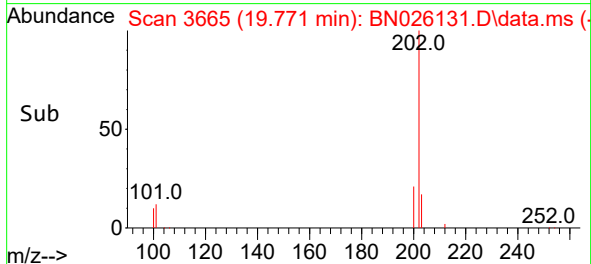
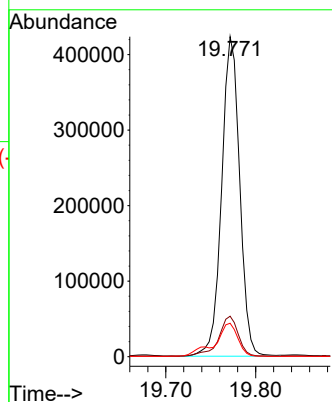
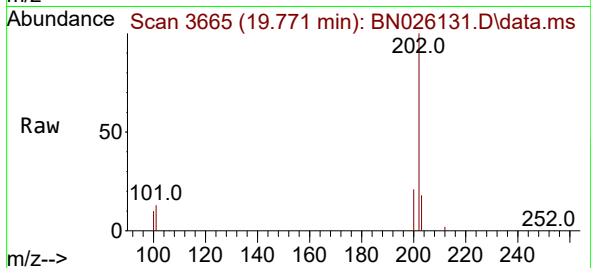
Tgt Ion:202 Resp: 588021

Ion Ratio Lower Upper

202 100

101 12.7 11.4 17.0

100 10.5 9.1 13.7



#21

Benzo(a)anthracene

Concen: 5.442 ng/ul

RT: 21.525 min Scan# 4172

Delta R.T. -0.004 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

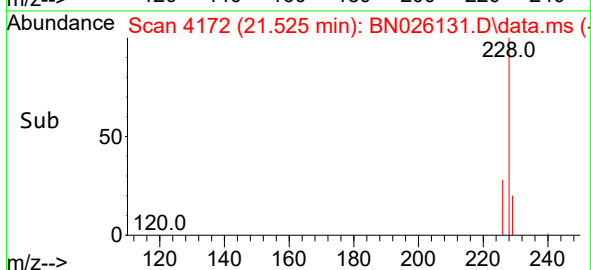
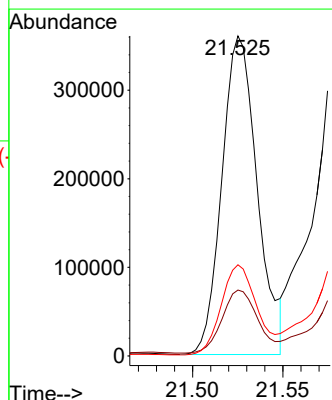
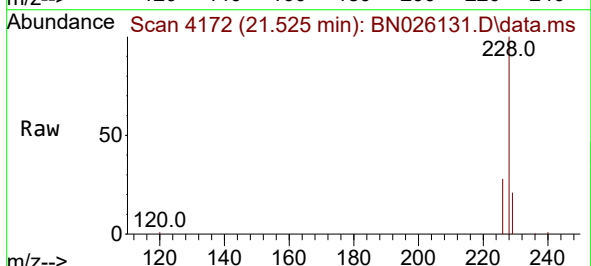
Tgt Ion:228 Resp: 489021

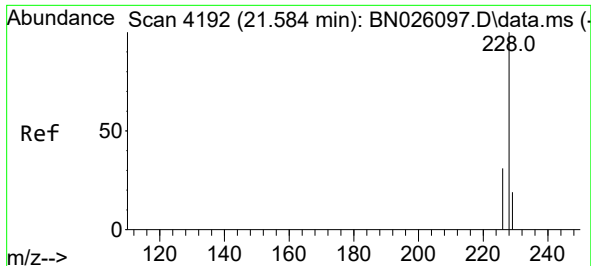
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

226 28.5 22.5 33.7





#22

Chrysene

Concen: 6.514 ng/ul

RT: 21.581 min Scan# 4192

Delta R.T. 0.002 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

Instrument :

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DCFY2

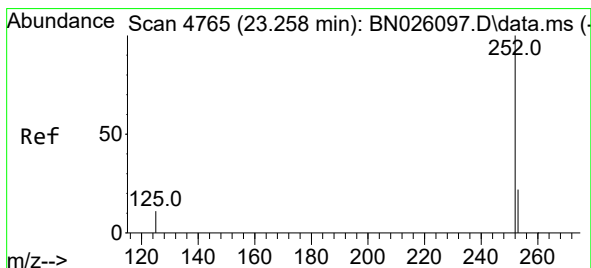
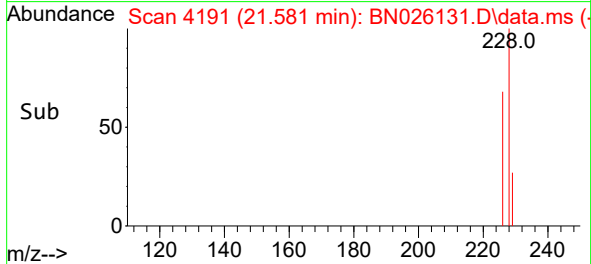
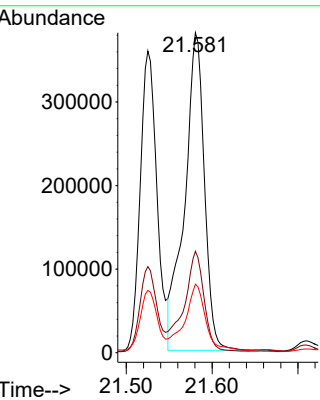
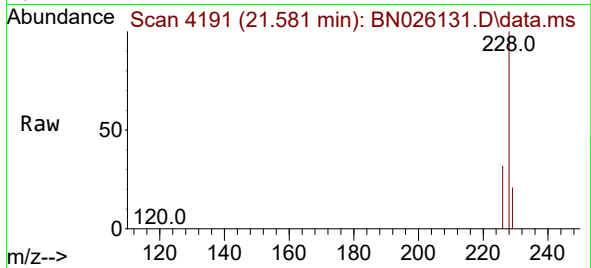
Tgt Ion:228 Resp: 609056

Ion Ratio Lower Upper

228 100

226 31.7 24.8 37.2

229 21.4 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 12.907 ng/ul

RT: 23.261 min Scan# 4766

Delta R.T. 0.008 min

Lab File: BN026131.D

Acq: 30 Jun 2023 15:09

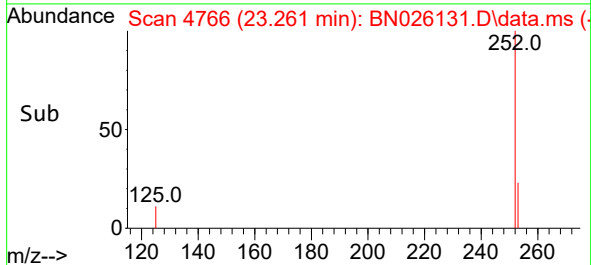
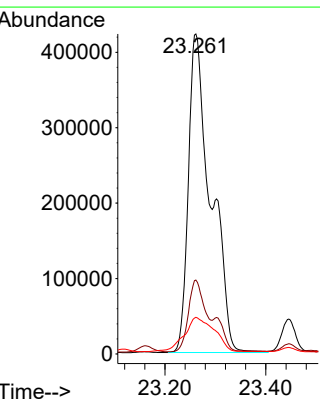
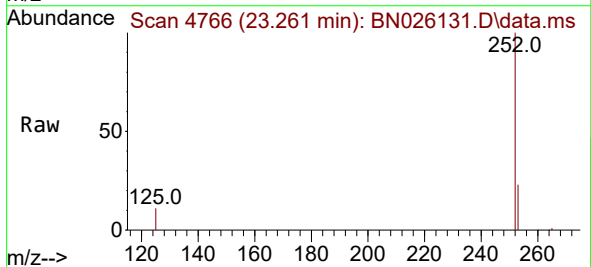
Tgt Ion:252 Resp: 1304481

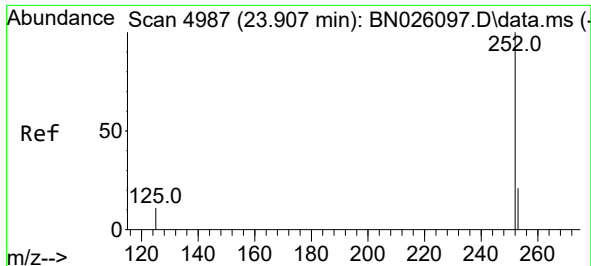
Ion Ratio Lower Upper

252 100

253 23.1 0.0 55.6

125 11.5 0.0 35.8

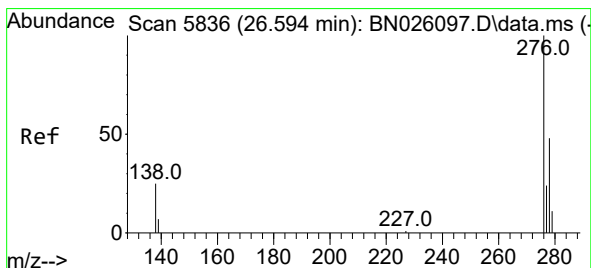
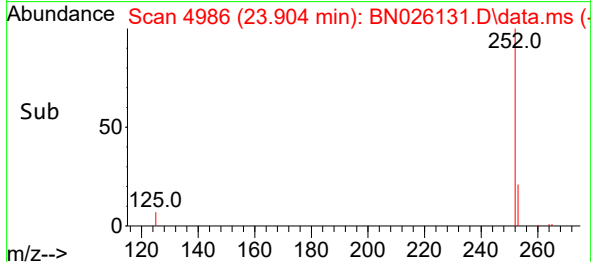
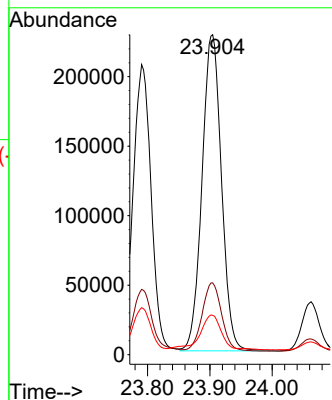
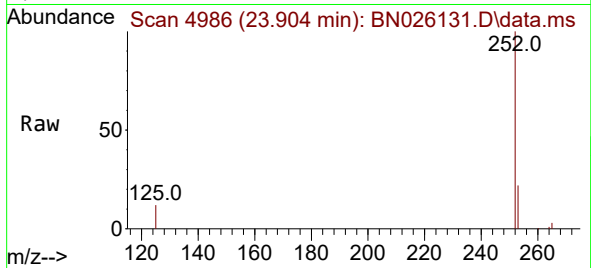




#26
Benzo(a)pyrene
Concen: 5.617 ng/ul
RT: 23.904 min Scan# 4987
Delta R.T. -0.001 min
Lab File: BN026131.D
Acq: 30 Jun 2023 15:09

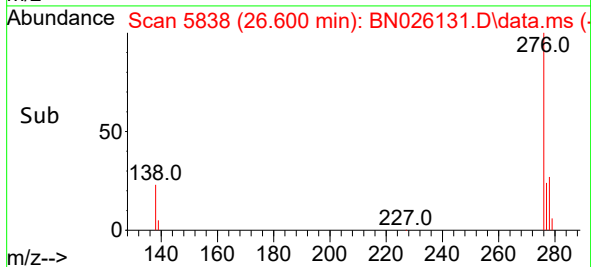
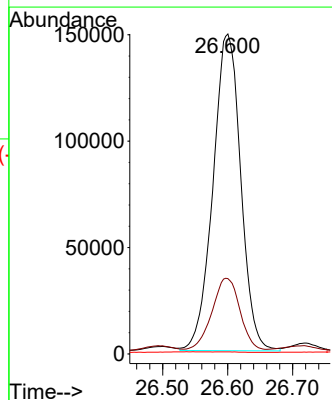
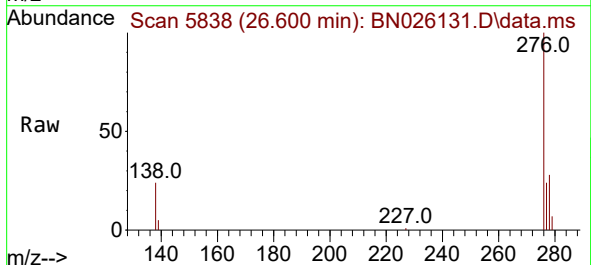
Instrument :
BNA_N
ClientSampleId :
DCFY2

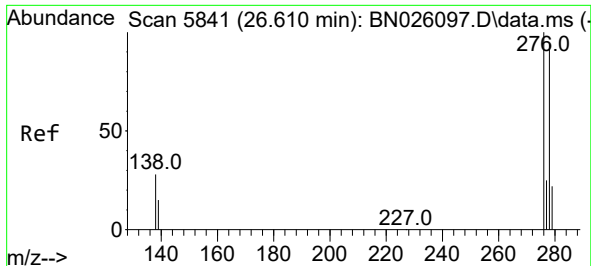
Tgt Ion:252 Resp: 493067
Ion Ratio Lower Upper
252 100
253 22.4 26.0 39.0#
125 12.3 17.3 25.9#



#27
Indeno(1,2,3-cd)pyrene
Concen: 4.614 ng/ul
RT: 26.600 min Scan# 5838
Delta R.T. 0.006 min
Lab File: BN026131.D
Acq: 30 Jun 2023 15:09

Tgt Ion:276 Resp: 442385
Ion Ratio Lower Upper
276 100
138 23.1 24.5 36.7#
227 0.0 0.0 0.0

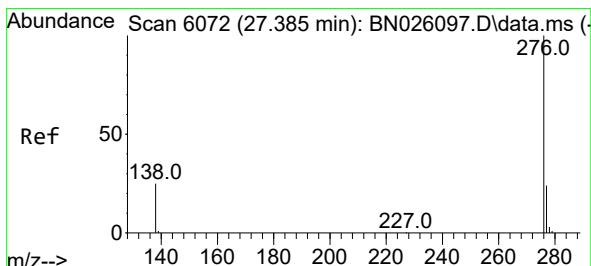
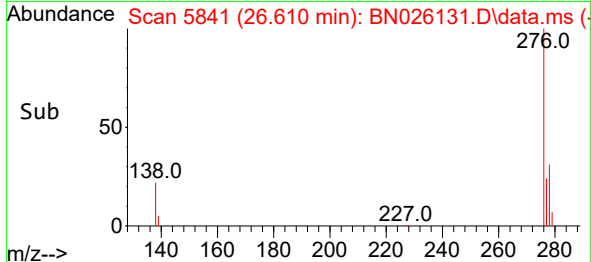
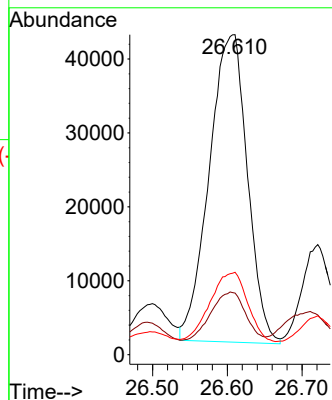
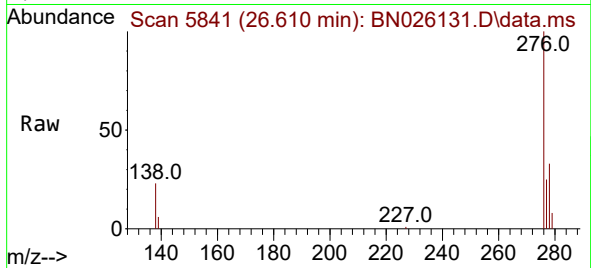




#28
Dibenzo(a,h)anthracene
Concen: 2.033 ng/ul
RT: 26.610 min Scan# 5841
Delta R.T. -0.004 min
Lab File: BN026131.D
Acq: 30 Jun 2023 15:09

Instrument :
BNA_N
ClientSampleId :
DCFY2

Tgt Ion:278 Resp: 147539
Ion Ratio Lower Upper
278 100
139 19.3 19.0 28.4
279 25.7 26.7 40.1#



#29
Benzo(g,h,i)perylene
Concen: 0.950 ng/ul
RT: 27.395 min Scan# 6075
Delta R.T. 0.009 min
Lab File: BN026131.D
Acq: 30 Jun 2023 15:09

Tgt Ion:276 Resp: 81055
Ion Ratio Lower Upper
276 100
138 26.5 23.4 35.0
277 26.5 20.0 30.0

