

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062223\
 Data File : BN025939.D
 Acq On : 22 Jun 2023 16:10
 Operator : MA/JU
 Sample : 03083-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFK3

Quant Time: Jun 23 01:03:38 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 : Thu Jun 22 01:27:41 2023
 Response via : Initial Calibration

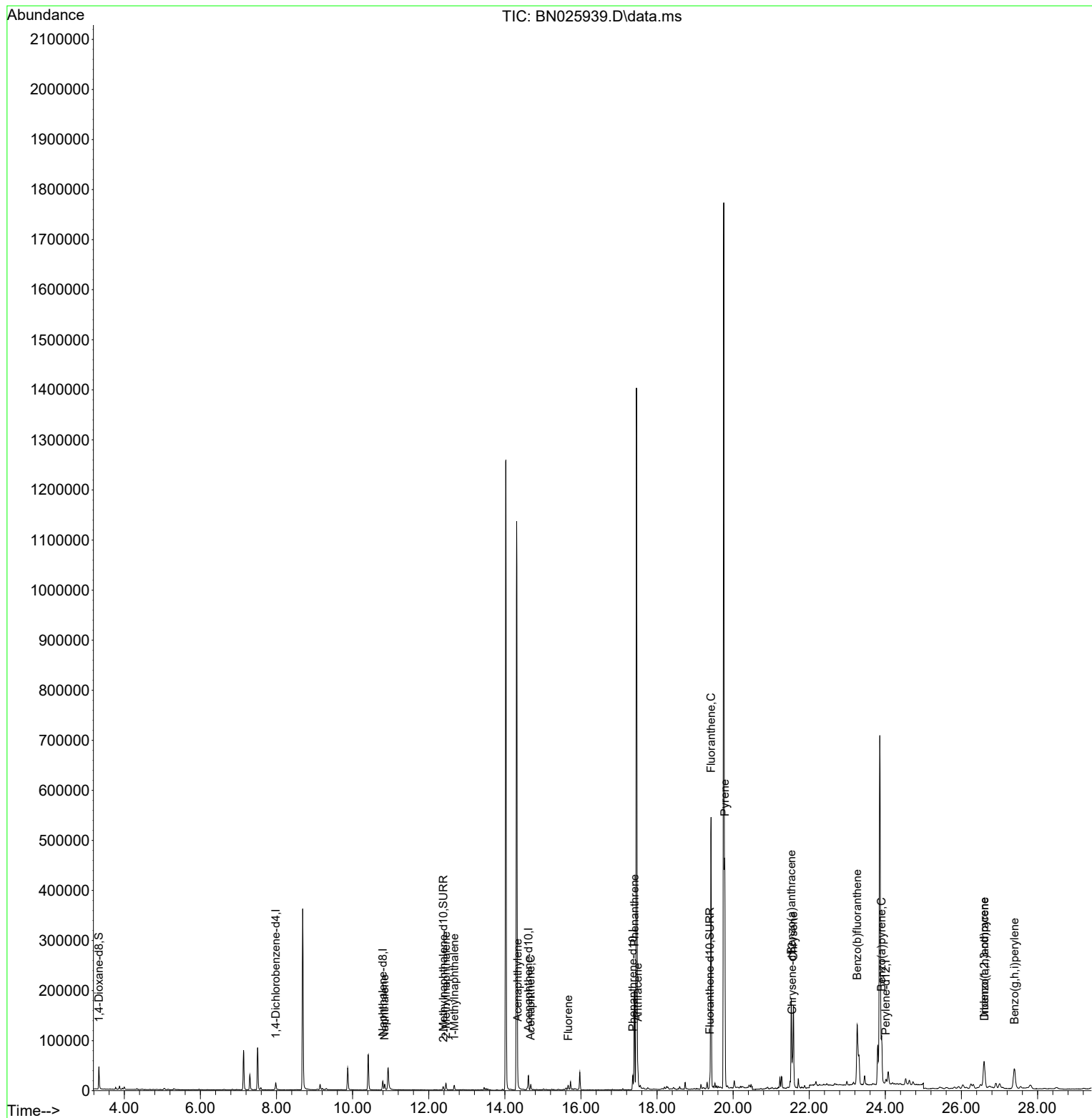
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	8031	0.400	ng/ul	0.00
4) Naphthalene-d8	10.791	136	25332	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.621	164	16032	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.363	188	33524	0.400	ng/ul	0.00
17) Chrysene-d12	21.545	240	17644	0.400	ng/ul	0.00
23) Perylene-d12	24.013	264	15843	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	29162	3.224	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.380	152	9574	0.246	ng/ul	0.00
18) Fluoranthene-d10	19.386	212	21031	0.313	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.840	128	16152	0.222	ng/ul	98
7) 2-Methylnaphthalene	12.452	142	10268	0.222	ng/ul	99
8) 1-Methylnaphthalene	12.672	142	6766	0.141	ng/ul	99
10) Acenaphthylene	14.338	152	7232	0.096	ng/ul#	92
11) Acenaphthene	14.681	153	6191	0.101	ng/ul	99
12) Fluorene	15.666	166	5630	0.080	ng/ul#	97
15) Phenanthrene	17.405	178	216848	1.958	ng/ul	99
16) Anthracene	17.494	178	28079	0.285	ng/ul	98
19) Fluoranthene	19.418	202	469238	4.979	ng/ul	98
20) Pyrene	19.781	202	365886	3.733	ng/ul	96
21) Benzo(a)anthracene	21.528	228	156782	2.154	ng/ul	98
22) Chrysene	21.583	228	187524	2.476	ng/ul	97
24) Benzo(b)fluoranthene	23.258	252	301031	4.452	ng/ul	92
26) Benzo(a)pyrene	23.901	252	132957	2.264	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.593	276	101154	1.577	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.607	278	25657	0.528	ng/ul	93
29) Benzo(g,h,i)perylene	27.392	276	103462	1.813	ng/ul	96

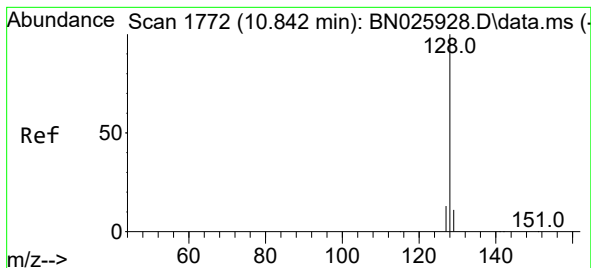
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.222 ng/ul

RT: 10.840 min Scan# 1772

Delta R.T. -0.007 min

Lab File: BN025939.D

Acq: 22 Jun 2023 16:10

Instrument :

BNA_N

ClientSampleId :

DCFK3

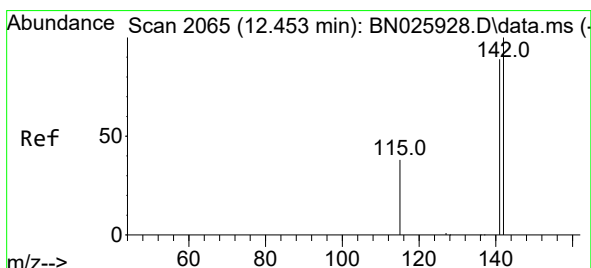
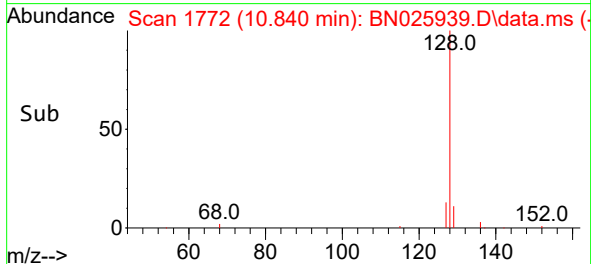
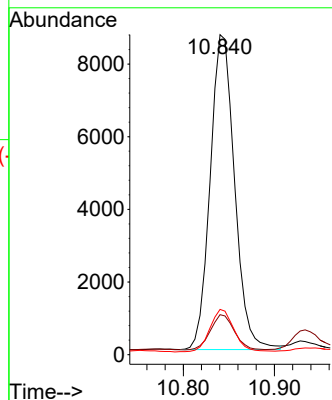
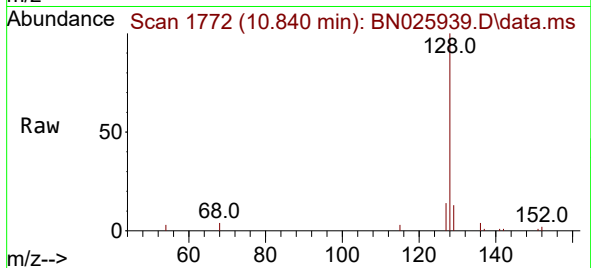
Tgt Ion:128 Resp: 16152

Ion Ratio Lower Upper

128 100

129 12.5 9.1 13.7

127 14.2 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.222 ng/ul

RT: 12.452 min Scan# 2065

Delta R.T. -0.001 min

Lab File: BN025939.D

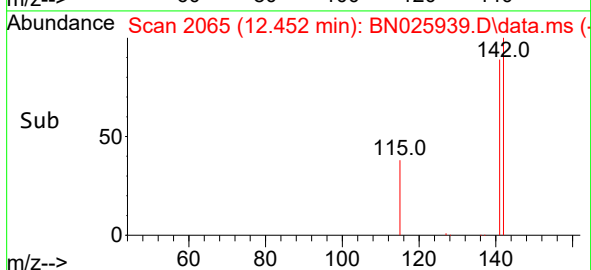
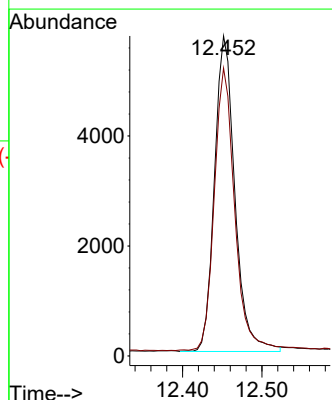
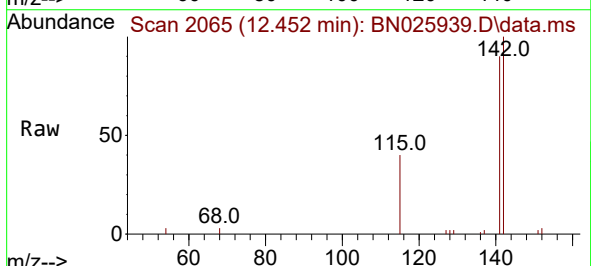
Acq: 22 Jun 2023 16:10

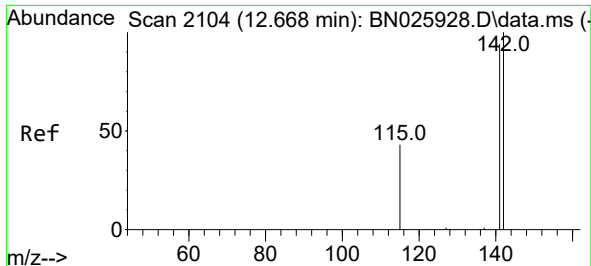
Tgt Ion:142 Resp: 10268

Ion Ratio Lower Upper

142 100

141 89.3 71.9 107.9

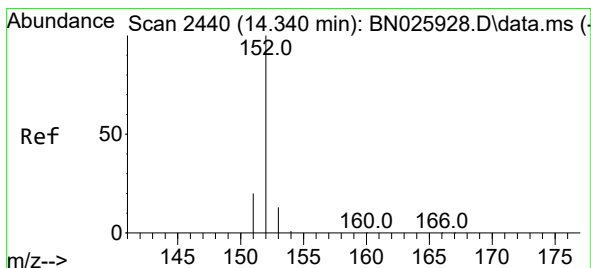
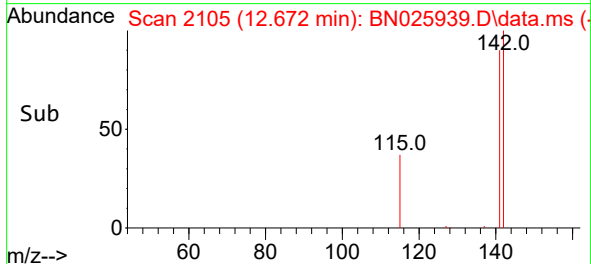
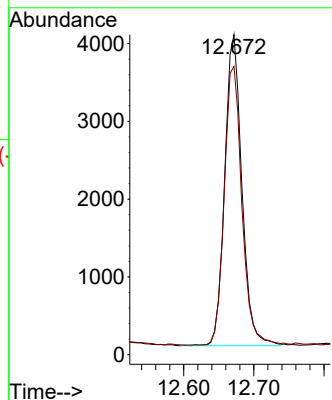
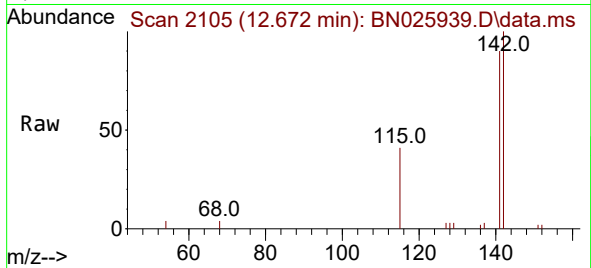




#8
1-Methylnaphthalene
Concen: 0.141 ng/ul
RT: 12.672 min Scan# 2105
Delta R.T. -0.001 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

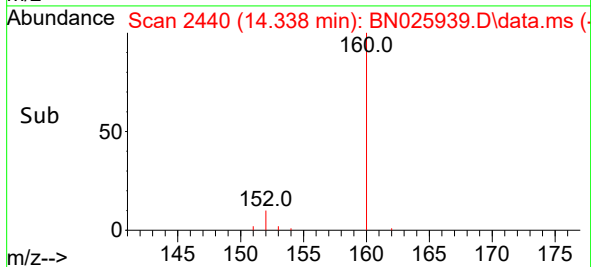
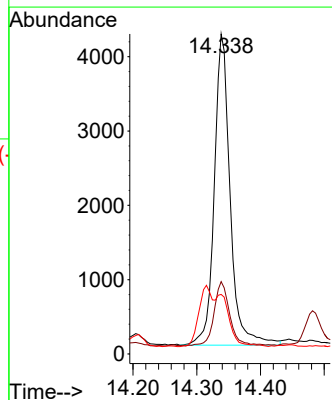
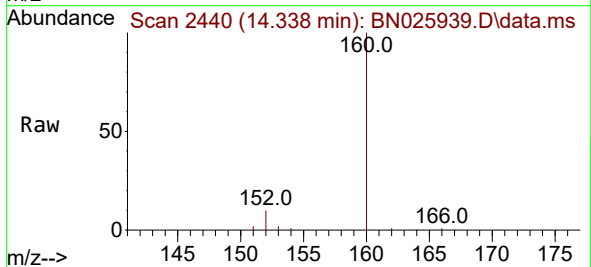
Instrument :
BNA_N
ClientSampleId :
DCFK3

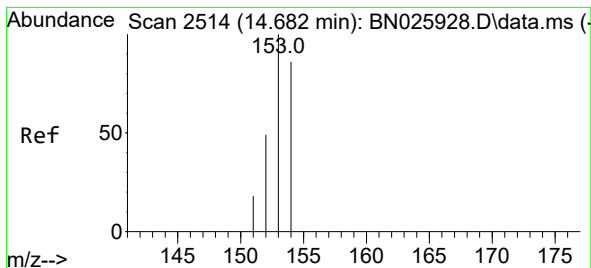
Tgt Ion:142 Resp: 6766
Ion Ratio Lower Upper
142 100
141 92.2 74.2 111.4



#10
Acenaphthylene
Concen: 0.096 ng/ul
RT: 14.338 min Scan# 2440
Delta R.T. -0.005 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

Tgt Ion:152 Resp: 7232
Ion Ratio Lower Upper
152 100
151 22.6 16.2 24.4
153 18.6 10.9 16.3#





#11

Acenaphthene

Concen: 0.101 ng/ul

RT: 14.681 min Scan# 2514

Delta R.T. -0.001 min

Lab File: BN025939.D

Acq: 22 Jun 2023 16:10

Instrument :

BNA_N

ClientSampleId :

DCFK3

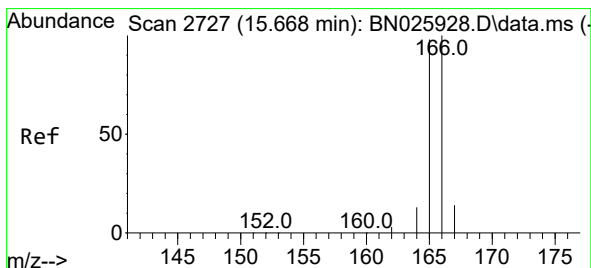
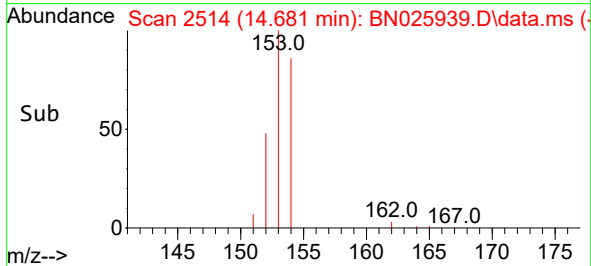
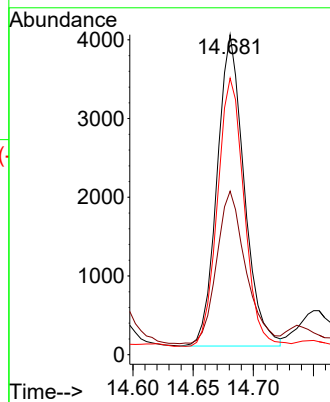
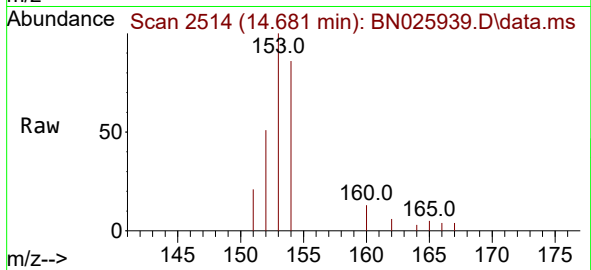
Tgt Ion:153 Resp: 6191

Ion Ratio Lower Upper

153 100

152 51.1 39.4 59.0

154 86.4 68.9 103.3



#12

Fluorene

Concen: 0.080 ng/ul

RT: 15.666 min Scan# 2727

Delta R.T. -0.001 min

Lab File: BN025939.D

Acq: 22 Jun 2023 16:10

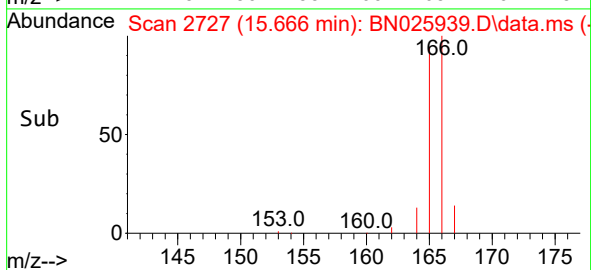
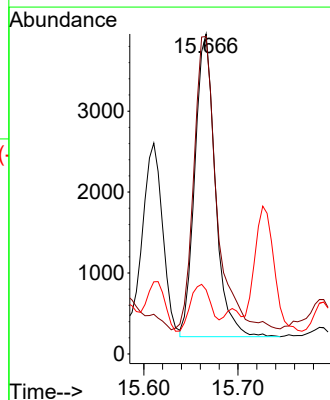
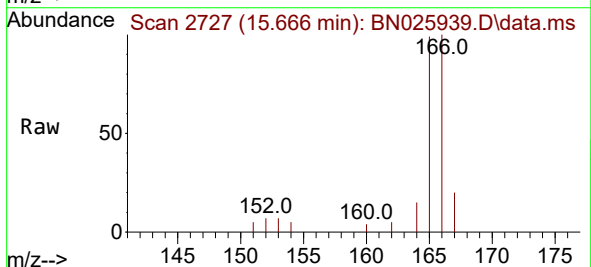
Tgt Ion:166 Resp: 5630

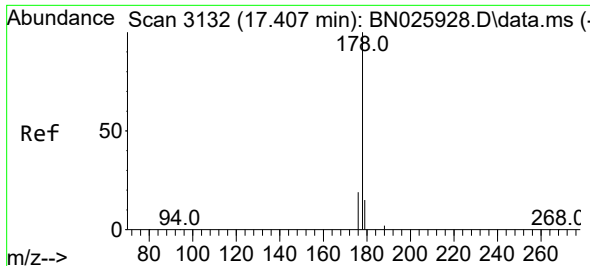
Ion Ratio Lower Upper

166 100

165 99.2 79.9 119.9

167 20.1 10.8 16.2#

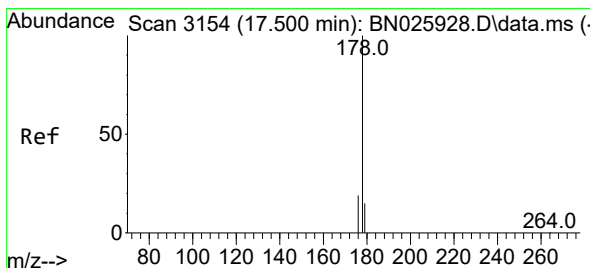
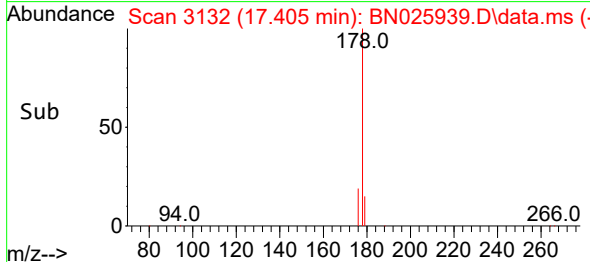
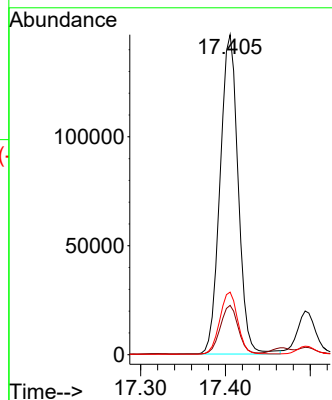
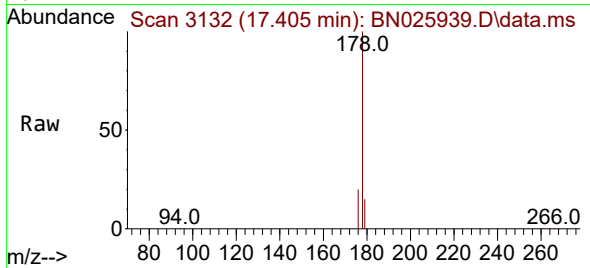




#15
Phenanthrene
Concen: 1.958 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. -0.001 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

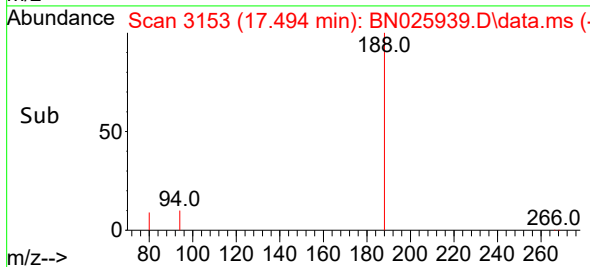
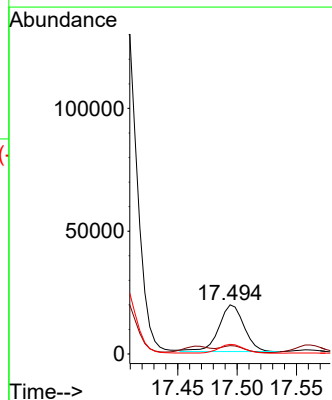
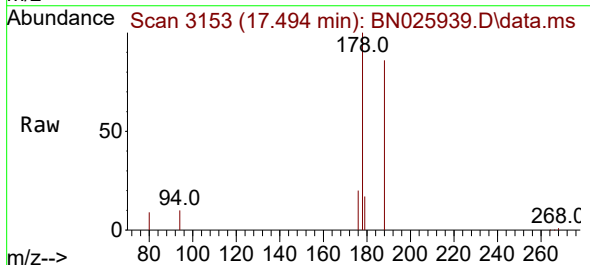
Instrument :
BNA_N
ClientSampleId :
DCFK3

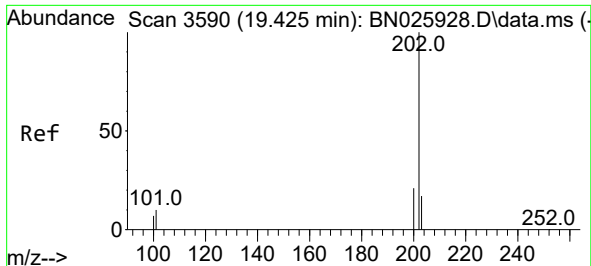
Tgt Ion:178 Resp: 216848
Ion Ratio Lower Upper
178 100
179 15.4 12.6 19.0
176 19.6 15.8 23.6



#16
Anthracene
Concen: 0.285 ng/ul
RT: 17.494 min Scan# 3153
Delta R.T. -0.005 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

Tgt Ion:178 Resp: 28079
Ion Ratio Lower Upper
178 100
179 17.0 12.6 18.8
176 19.5 15.1 22.7

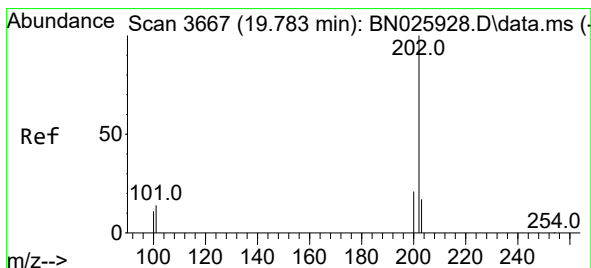
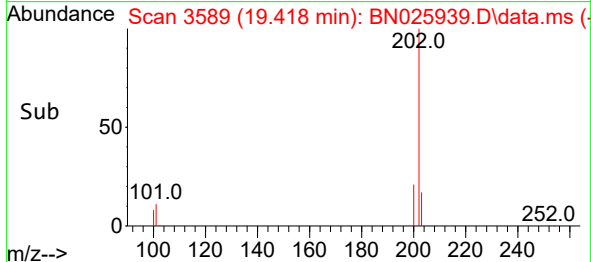
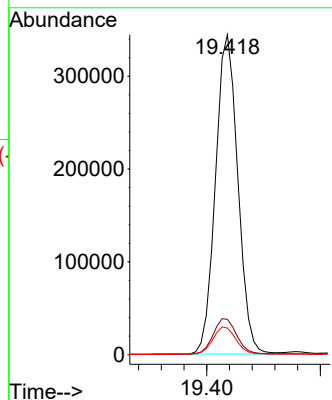
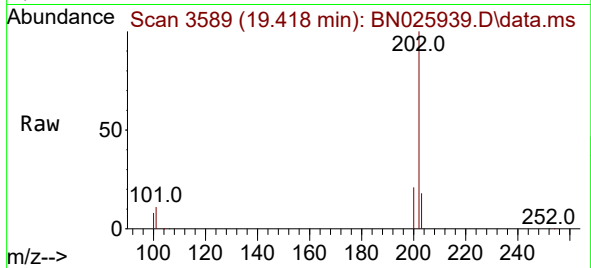




#19
Fluoranthene
Concen: 4.979 ng/ul
RT: 19.418 min Scan# 3589
Delta R.T. -0.001 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

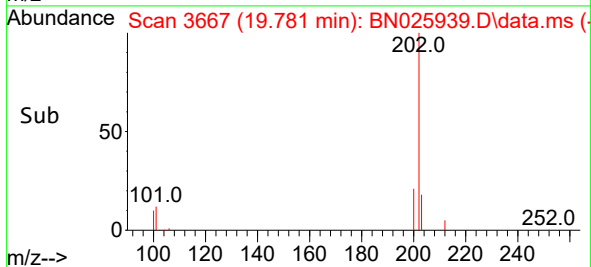
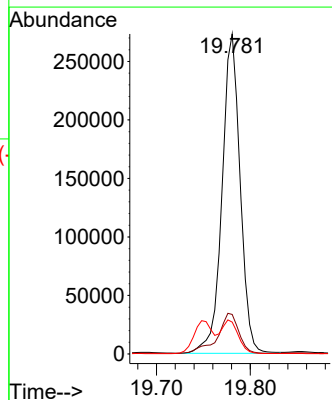
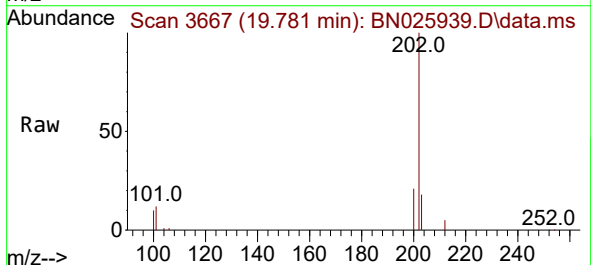
Instrument :
BNA_N
ClientSampleId :
DCFK3

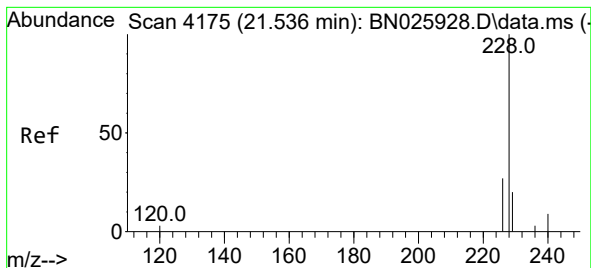
Tgt Ion:202 Resp: 469238
Ion Ratio Lower Upper
202 100
101 11.1 9.5 14.3
100 8.3 7.3 10.9



#20
Pyrene
Concen: 3.733 ng/ul
RT: 19.781 min Scan# 3667
Delta R.T. -0.001 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

Tgt Ion:202 Resp: 365886
Ion Ratio Lower Upper
202 100
101 12.4 11.4 17.0
100 10.0 9.1 13.7





#21

Benzo(a)anthracene

Concen: 2.154 ng/ul

RT: 21.528 min Scan# 4173

Delta R.T. -0.004 min

Lab File: BN025939.D

Acq: 22 Jun 2023 16:10

Instrument :

BNA_N

ClientSampleId :

DCFK3

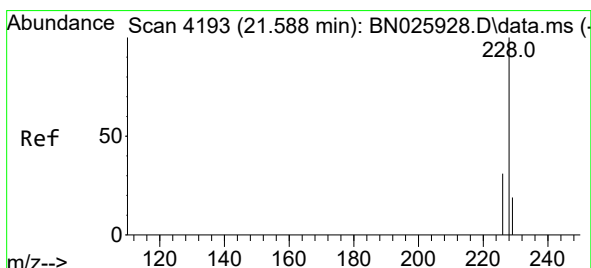
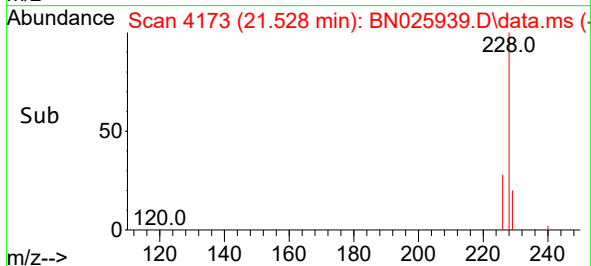
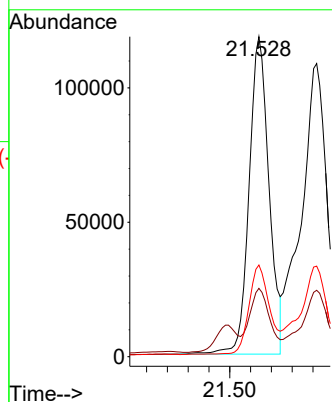
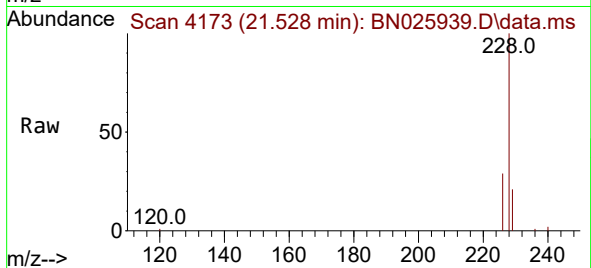
Tgt Ion:228 Resp: 156782

Ion Ratio Lower Upper

228 100

229 21.4 15.8 23.6

226 28.6 22.5 33.7



#22

Chrysene

Concen: 2.476 ng/ul

RT: 21.583 min Scan# 4192

Delta R.T. -0.001 min

Lab File: BN025939.D

Acq: 22 Jun 2023 16:10

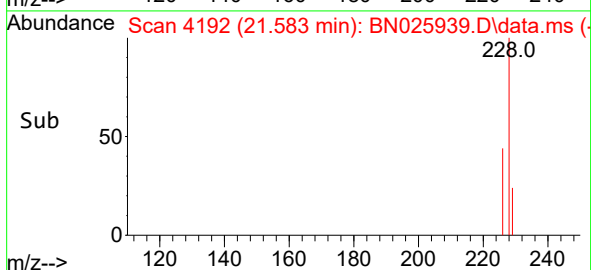
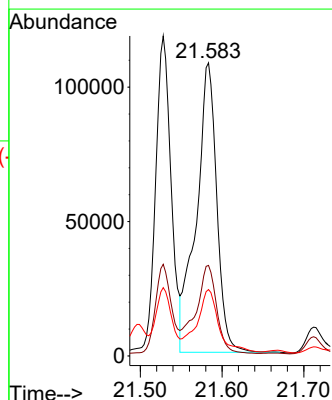
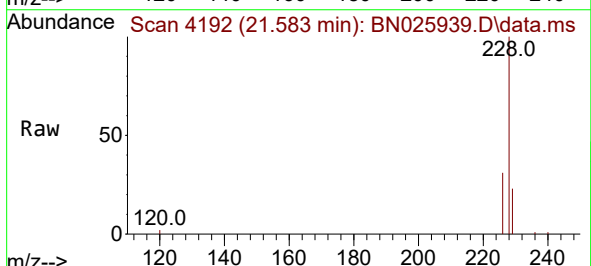
Tgt Ion:228 Resp: 187524

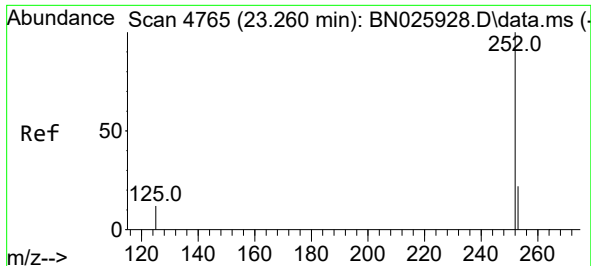
Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

229 22.6 15.7 23.5

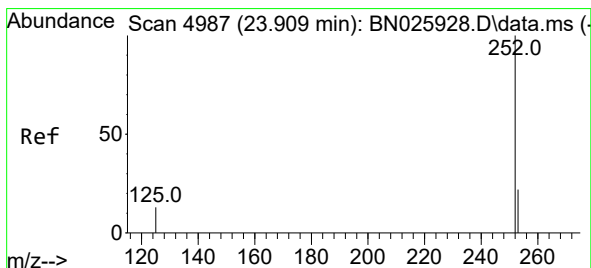
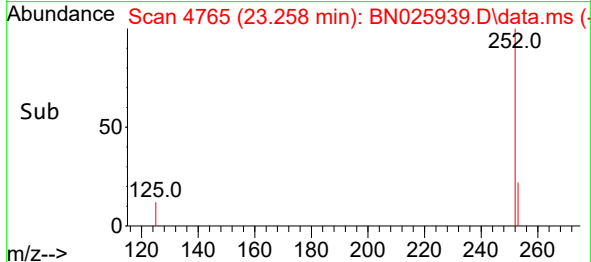
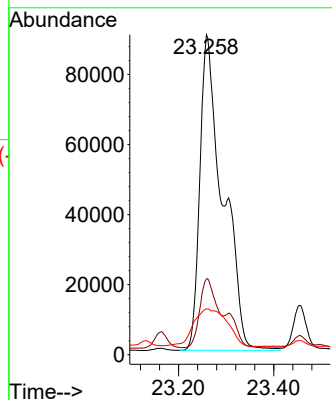
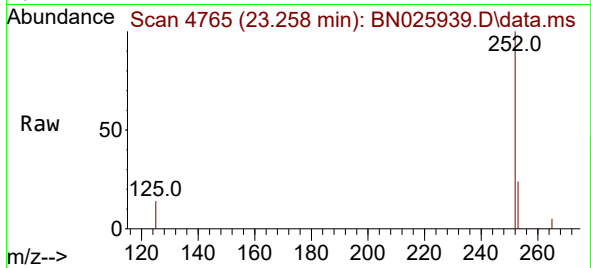




#24
Benzo(b)fluoranthene
Concen: 4.452 ng/ul
RT: 23.258 min Scan# 41
Delta R.T. 0.002 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

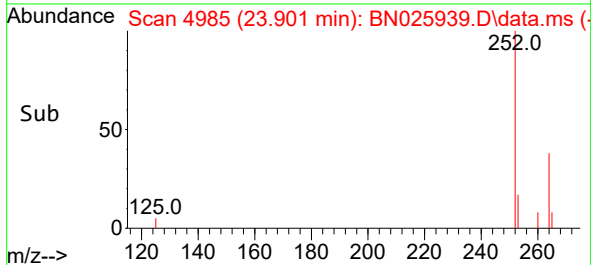
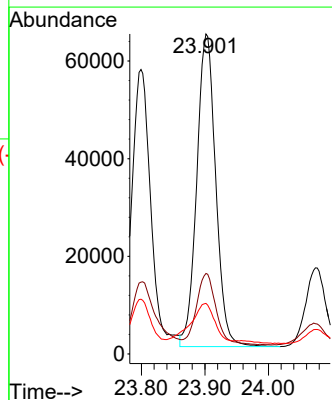
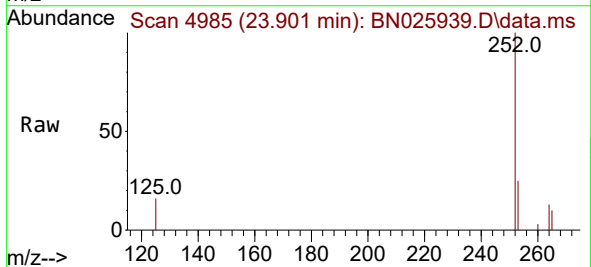
Instrument :
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ClientSampleId :
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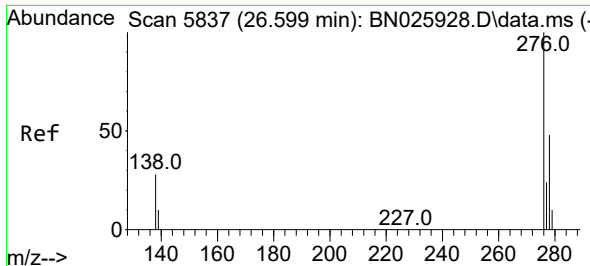
Tgt Ion:252 Resp: 301031
Ion Ratio Lower Upper
252 100
253 23.7 0.0 55.6
125 14.3 0.0 35.8



#26
Benzo(a)pyrene
Concen: 2.264 ng/ul
RT: 23.901 min Scan# 4985
Delta R.T. -0.007 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

Tgt Ion:252 Resp: 132957
Ion Ratio Lower Upper
252 100
253 25.1 26.0 39.0#
125 15.8 17.3 25.9#

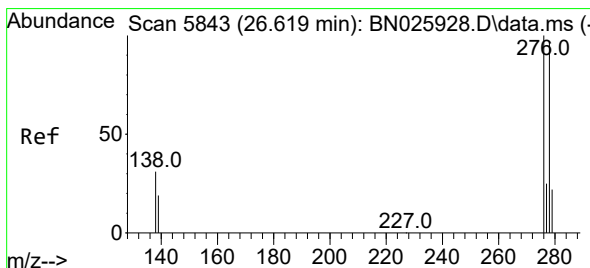
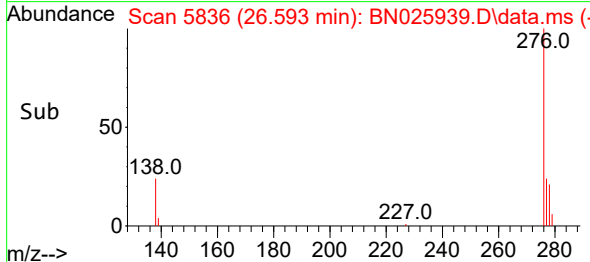
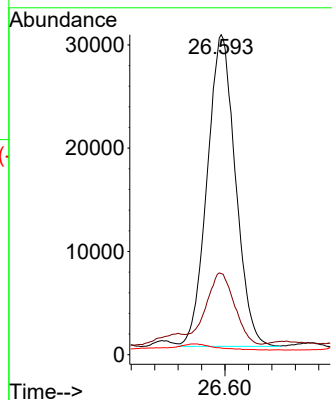
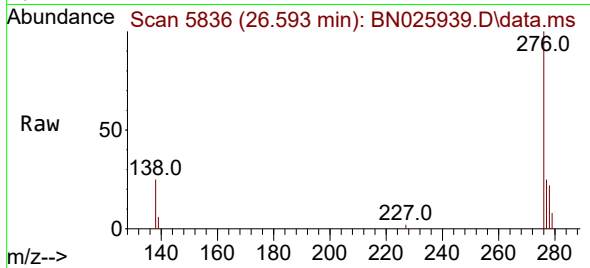




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.577 ng/ul
 RT: 26.593 min Scan# 5836
 Delta R.T. -0.001 min
 Lab File: BN025939.D
 Acq: 22 Jun 2023 16:10

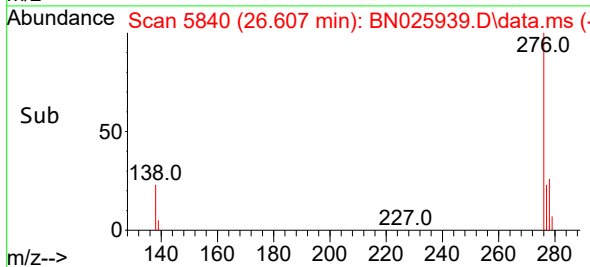
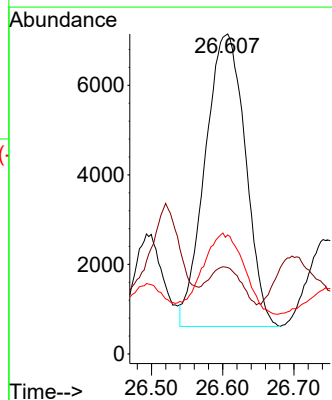
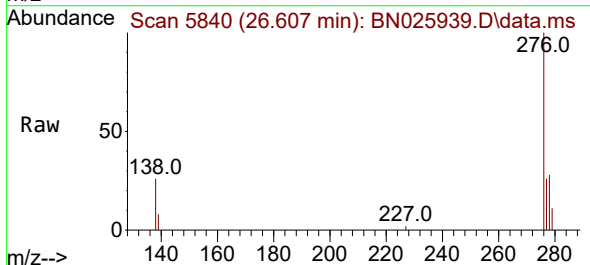
Instrument :
 BNA_N
 ClientSampleId :
 DCFK3

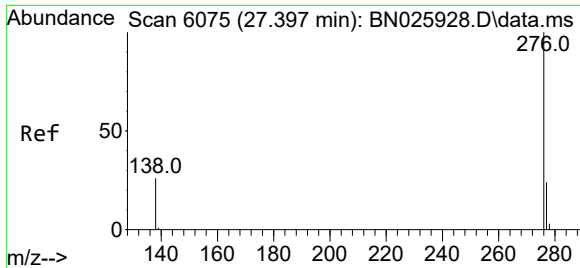
Tgt Ion:276 Resp: 101154
 Ion Ratio Lower Upper
 276 100
 138 23.2 24.5 36.7#
 227 0.0 0.0 0.0



#28
 Dibenzo(a,h)anthracene
 Concen: 0.528 ng/ul
 RT: 26.607 min Scan# 5840
 Delta R.T. -0.014 min
 Lab File: BN025939.D
 Acq: 22 Jun 2023 16:10

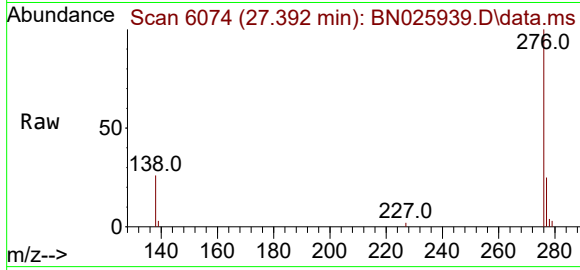
Tgt Ion:278 Resp: 25657
 Ion Ratio Lower Upper
 278 100
 139 27.0 19.0 28.4
 279 37.2 26.7 40.1





#29
Benzo(g,h,i)perylene
Concen: 1.813 ng/ul
RT: 27.392 min Scan# 6074
Delta R.T. 0.006 min
Lab File: BN025939.D
Acq: 22 Jun 2023 16:10

Instrument :
BNA_N
ClientSampleId :
DCFK3



Tgt Ion:276 Resp: 103462
Ion Ratio Lower Upper
276 100
138 25.9 23.4 35.0
277 24.5 20.0 30.0

