

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062423\
 Data File : BN025976.D
 Acq On : 23 Jun 2023 20:14
 Operator : MA/JU
 Sample : 03083-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFK1

Quant Time: Jun 24 01:01:05 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)

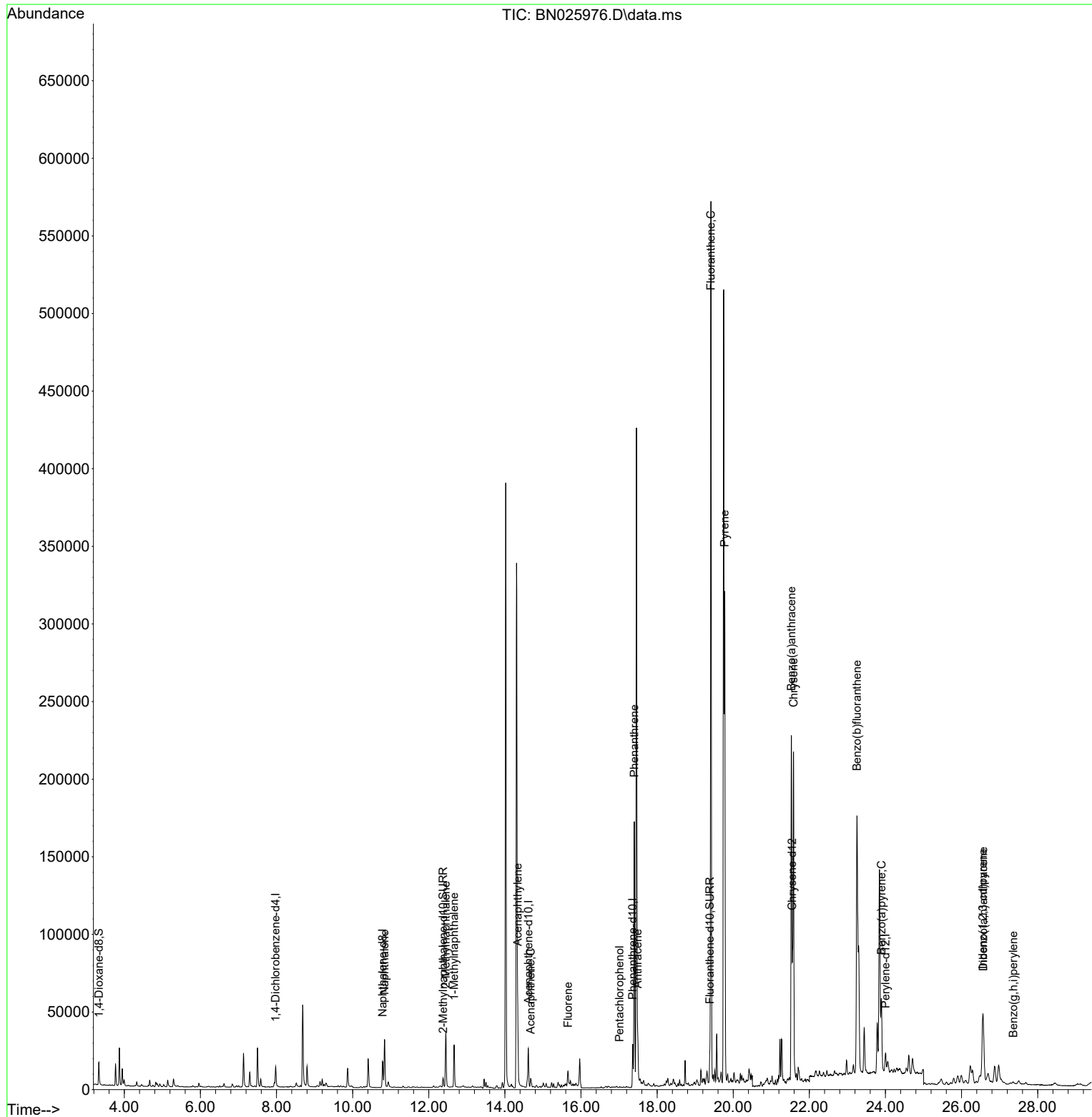
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	7564	0.400	ng/ul	0.00
4) Naphthalene-d8	10.786	136	23570	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.616	164	14437	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.359	188	31956	0.400	ng/ul	0.00
17) Chrysene-d12	21.546	240	23624	0.400	ng/ul	0.00
23) Perylene-d12	24.001	264	17620	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	10063	1.181	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.376	152	8459	0.233	ng/ul	0.00
18) Fluoranthene-d10	19.386	212	21066	0.234	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.836	128	45701	0.677	ng/ul	99
7) 2-Methylnaphthalene	12.447	142	26307	0.612	ng/ul	100
8) 1-Methylnaphthalene	12.667	142	19841	0.445	ng/ul	100
10) Acenaphthylene	14.334	152	56993	0.843	ng/ul	99
11) Acenaphthene	14.676	153	3925	0.071	ng/ul	95
12) Fluorene	15.662	166	5909	0.093	ng/ul#	93
14) Pentachlorophenol	17.013	266	247	0.022	ng/ul	88
15) Phenanthrene	17.402	178	186760	1.769	ng/ul	99
16) Anthracene	17.490	178	24968	0.266	ng/ul	97
19) Fluoranthene	19.414	202	476755	3.778	ng/ul	98
20) Pyrene	19.776	202	266434	2.030	ng/ul	98
21) Benzo(a)anthracene	21.528	228	203009	2.083	ng/ul	96
22) Chrysene	21.584	228	242945	2.396	ng/ul	97
24) Benzo(b)fluoranthene	23.250	252	407394	5.417	ng/ul	90
26) Benzo(a)pyrene	23.893	252	70982	1.087	ng/ul	91
27) Indeno(1,2,3-cd)pyrene	26.560	276	76116	1.067	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.567	278	31457	0.583	ng/ul	98
29) Benzo(g,h,i)perylene	27.358	276	4660	0.073	ng/ul#	63

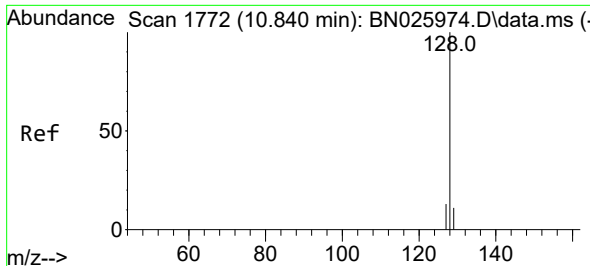
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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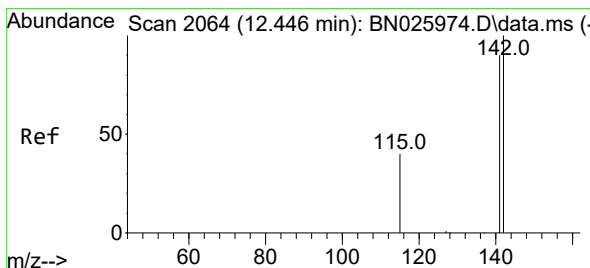
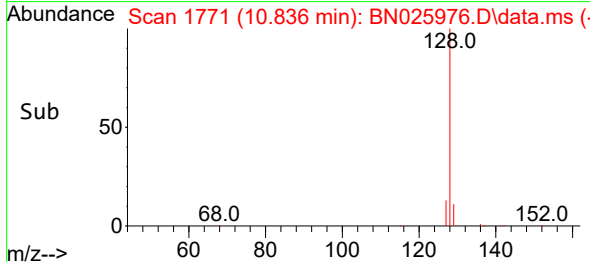
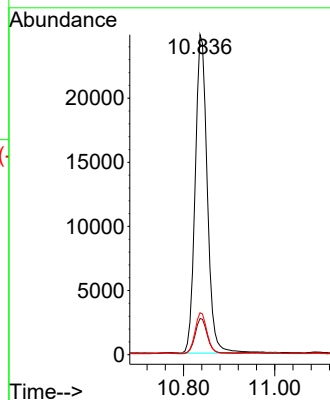
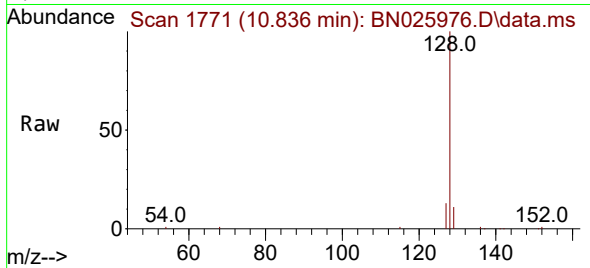




#5
Naphthalene
Concen: 0.677 ng/ul
RT: 10.836 min Scan# 1771
Delta R.T. -0.011 min
Lab File: BN025976.D
Acq: 23 Jun 2023 20:14

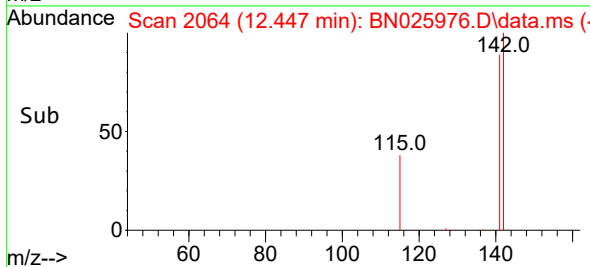
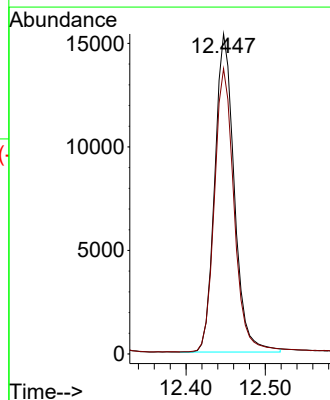
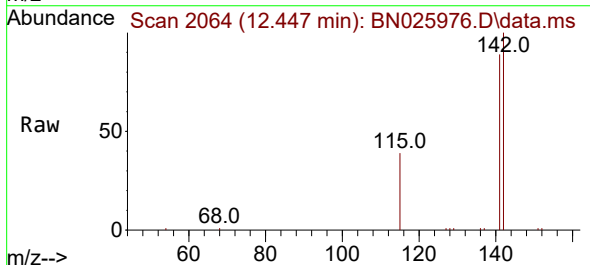
Instrument :
BNA_N
ClientSampleId :
DCFK1

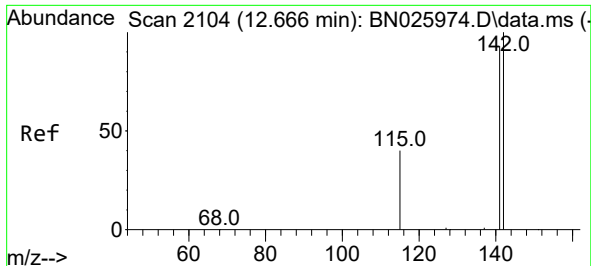
Tgt Ion:128 Resp: 45701
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.1 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.612 ng/ul
RT: 12.447 min Scan# 2064
Delta R.T. -0.006 min
Lab File: BN025976.D
Acq: 23 Jun 2023 20:14

Tgt Ion:142 Resp: 26307
Ion Ratio Lower Upper
142 100
141 89.5 71.9 107.9

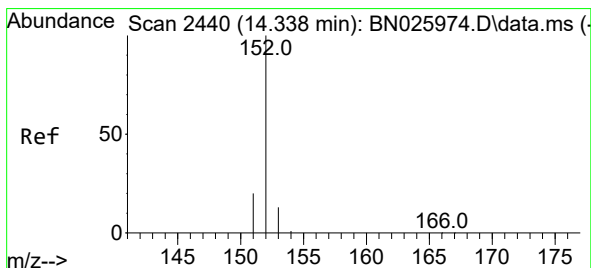
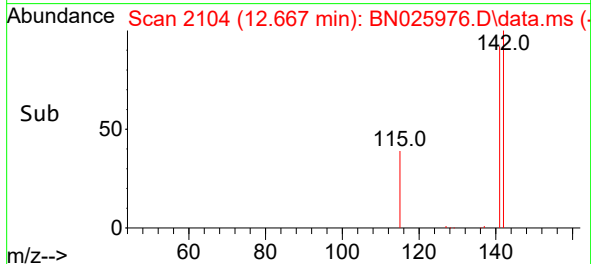
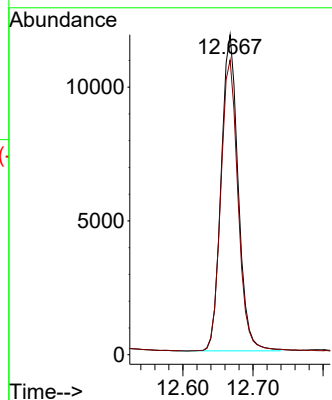
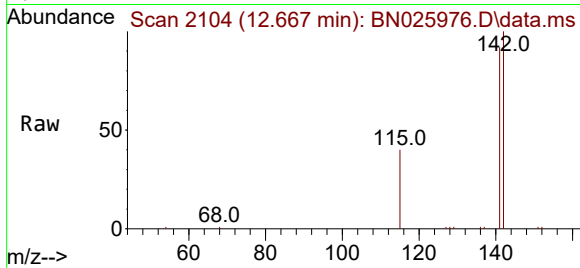




#8
1-Methylnaphthalene
Concen: 0.445 ng/ul
RT: 12.667 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BN025976.D
Acq: 23 Jun 2023 20:14

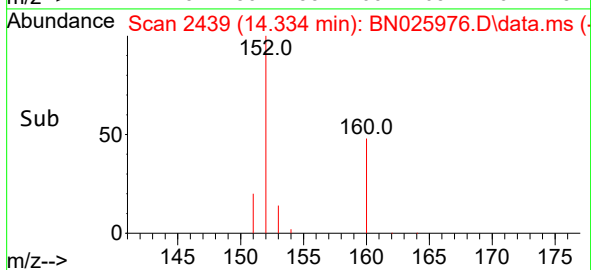
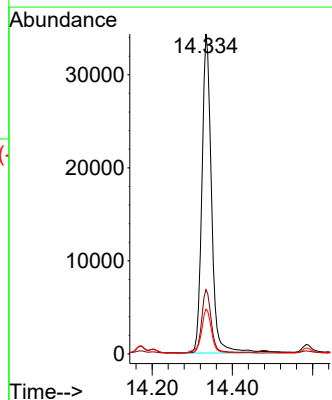
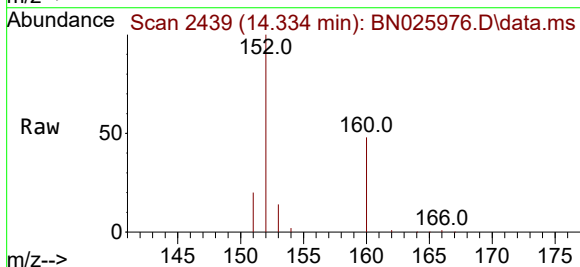
Instrument :
BNA_N
ClientSampleId :
DCFK1

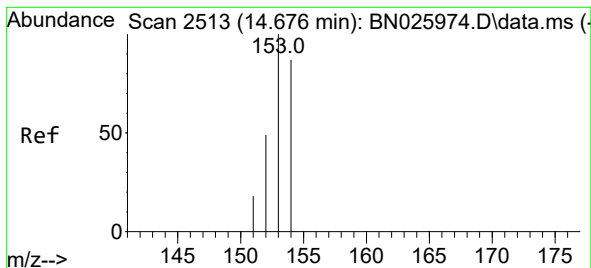
Tgt Ion:142 Resp: 19841
Ion Ratio Lower Upper
142 100
141 93.0 74.2 111.4



#10
Acenaphthylene
Concen: 0.843 ng/ul
RT: 14.334 min Scan# 2439
Delta R.T. -0.010 min
Lab File: BN025976.D
Acq: 23 Jun 2023 20:14

Tgt Ion:152 Resp: 56993
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 14.0 10.9 16.3





#11

Acenaphthene

Concen: 0.071 ng/ul

RT: 14.676 min Scan# 2513

Delta R.T. -0.005 min

Lab File: BN025976.D

Acq: 23 Jun 2023 20:14

Instrument :

BNA_N

ClientSampleId :

DCFK1

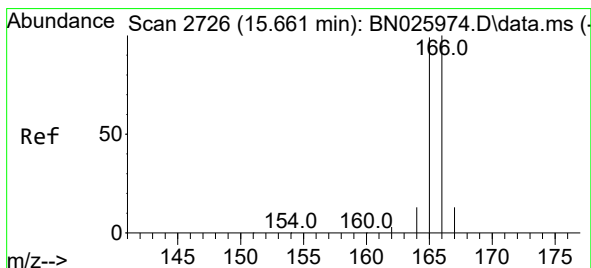
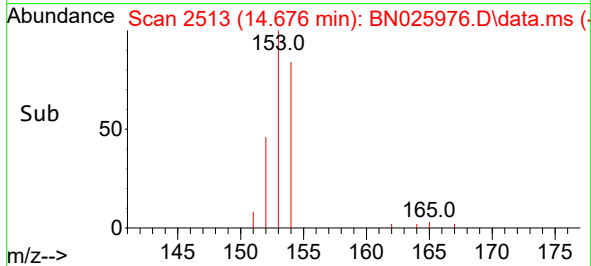
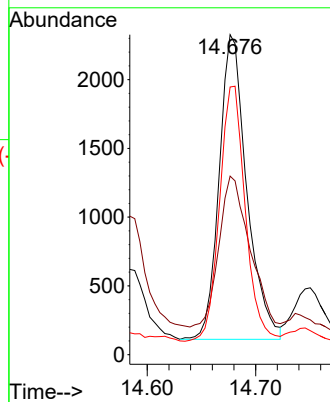
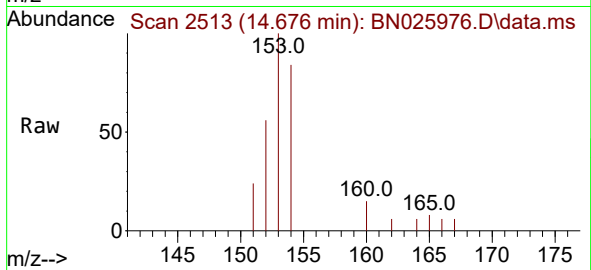
Tgt Ion:153 Resp: 3925

Ion Ratio Lower Upper

153 100

152 55.8 39.4 59.0

154 83.7 68.9 103.3



#12

Fluorene

Concen: 0.093 ng/ul

RT: 15.662 min Scan# 2726

Delta R.T. -0.005 min

Lab File: BN025976.D

Acq: 23 Jun 2023 20:14

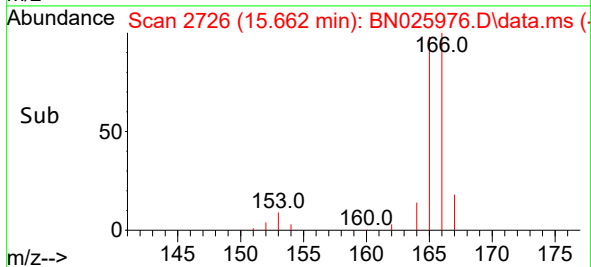
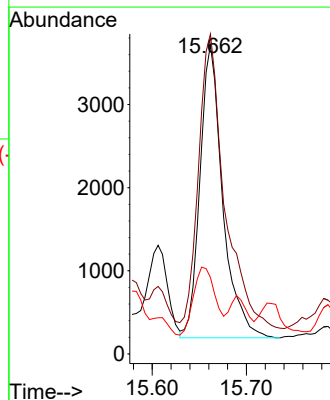
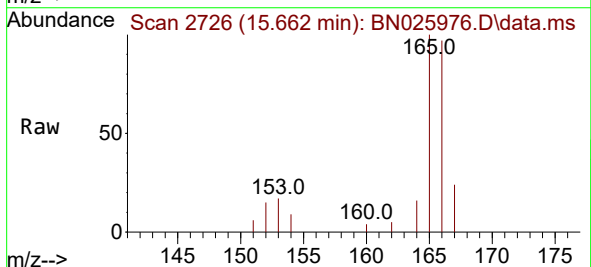
Tgt Ion:166 Resp: 5909

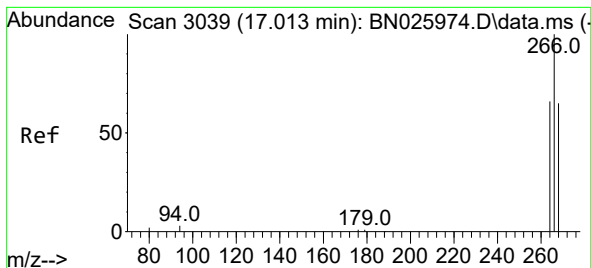
Ion Ratio Lower Upper

166 100

165 103.5 79.9 119.9

167 24.8 10.8 16.2#





#14

Pentachlorophenol

Concen: 0.022 ng/ul

RT: 17.013 min Scan# 3039

Delta R.T. -0.005 min

Lab File: BN025976.D

Acq: 23 Jun 2023 20:14

Instrument :

BNA_N

ClientSampleId :

DCFK1

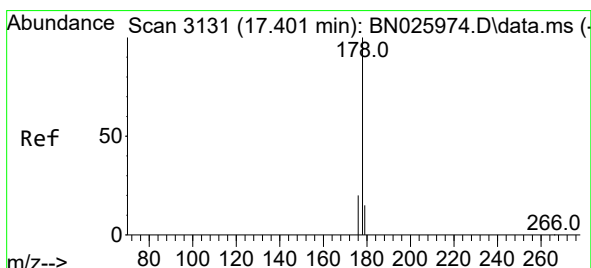
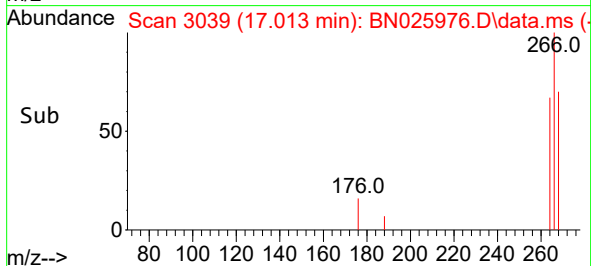
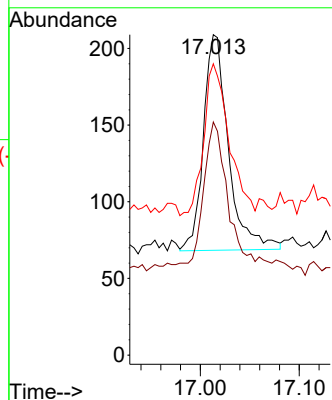
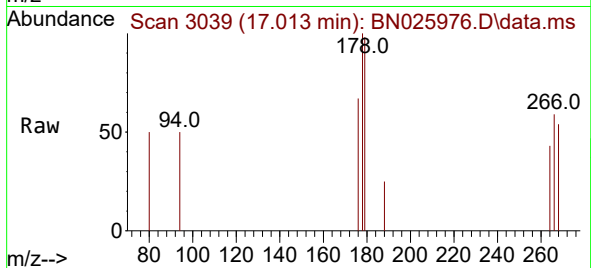
Tgt Ion:266 Resp: 247

Ion Ratio Lower Upper

266 100

264 75.7 50.5 75.7

268 71.3 51.6 77.4



#15

Phenanthrene

Concen: 1.769 ng/ul

RT: 17.402 min Scan# 3131

Delta R.T. -0.005 min

Lab File: BN025976.D

Acq: 23 Jun 2023 20:14

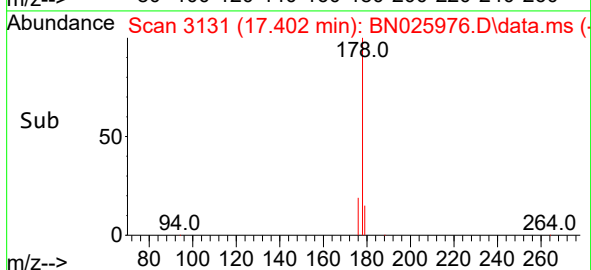
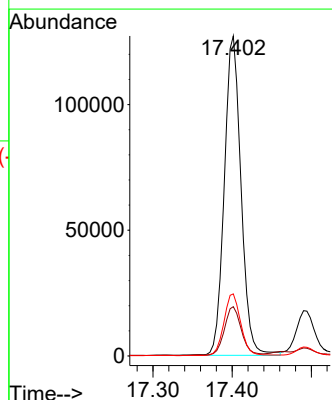
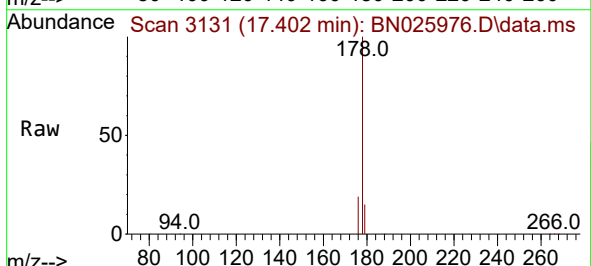
Tgt Ion:178 Resp: 186760

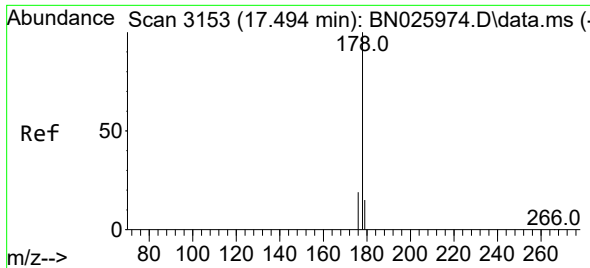
Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.4 15.8 23.6

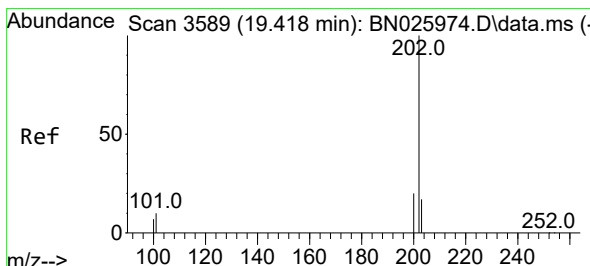
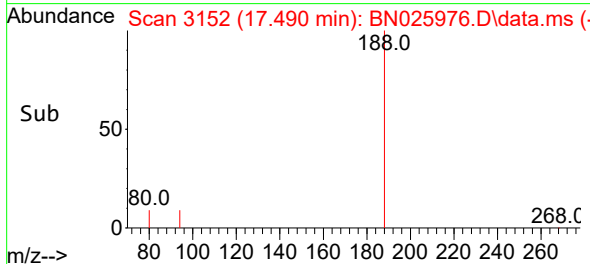
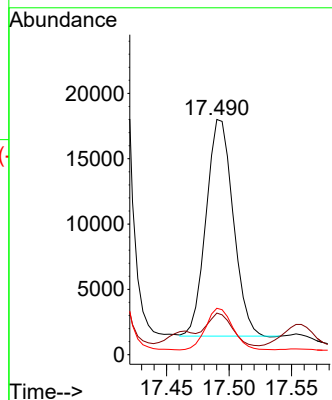
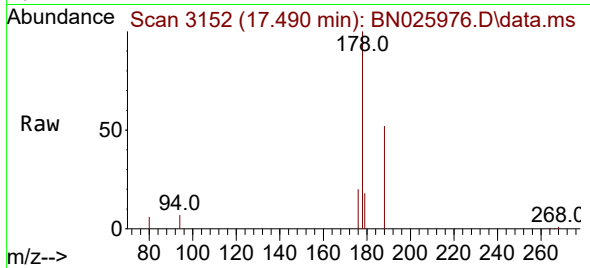




#16
 Anthracene
 Concen: 0.266 ng/ul
 RT: 17.490 min Scan# 3153
 Delta R.T. -0.009 min
 Lab File: BN025976.D
 Acq: 23 Jun 2023 20:14

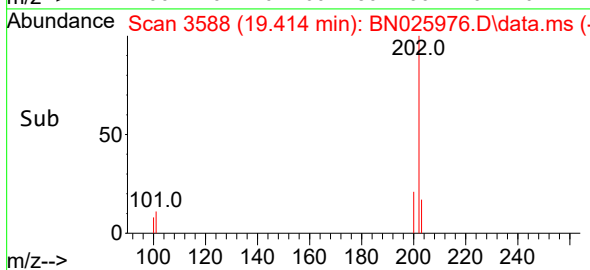
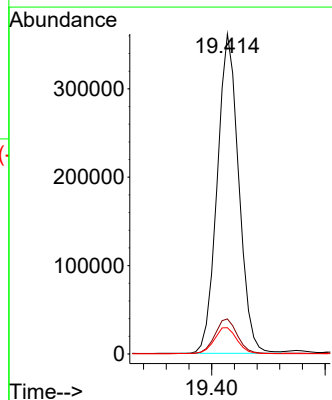
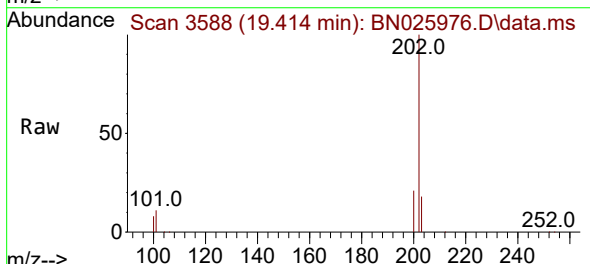
Instrument :
 BNA_N
 ClientSampleId :
 DCFK1

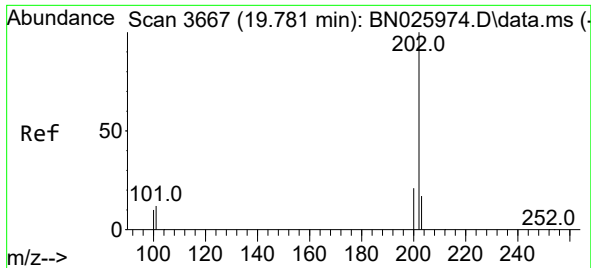
Tgt Ion:178 Resp: 24968
 Ion Ratio Lower Upper
 178 100
 179 17.7 12.6 18.8
 176 19.7 15.1 22.7



#19
 Fluoranthene
 Concen: 3.778 ng/ul
 RT: 19.414 min Scan# 3588
 Delta R.T. -0.005 min
 Lab File: BN025976.D
 Acq: 23 Jun 2023 20:14

Tgt Ion:202 Resp: 476755
 Ion Ratio Lower Upper
 202 100
 101 10.9 9.5 14.3
 100 8.2 7.3 10.9

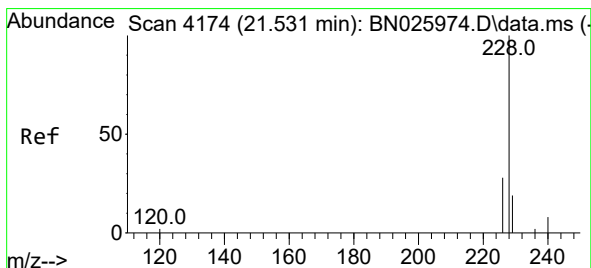
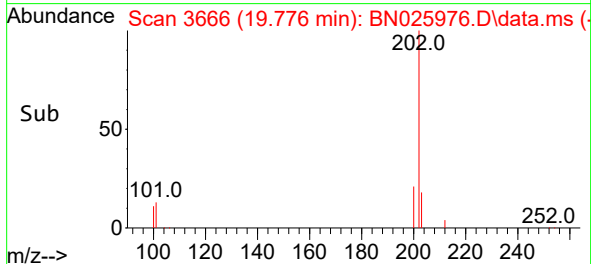
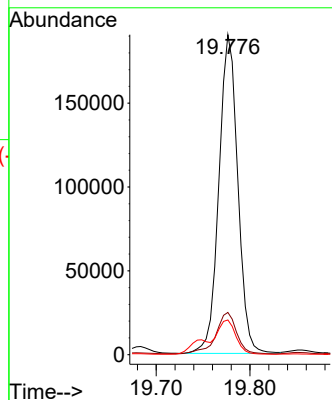
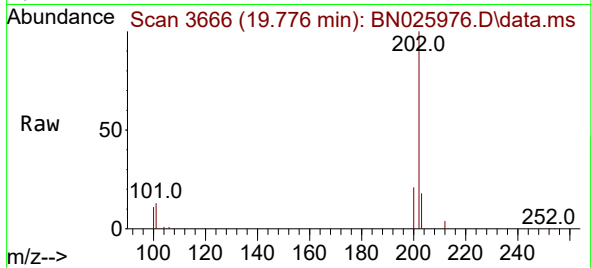




#20
Pyrene
Concen: 2.030 ng/ul
RT: 19.776 min Scan# 3666
Delta R.T. -0.005 min
Lab File: BN025976.D
Acq: 23 Jun 2023 20:14

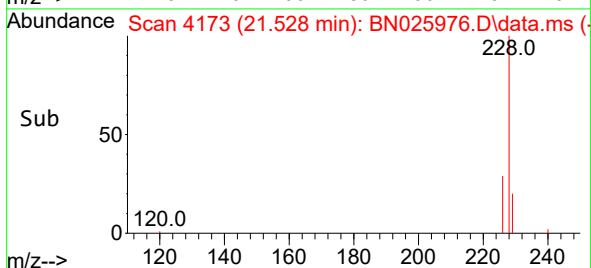
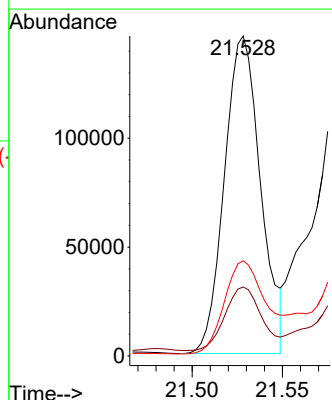
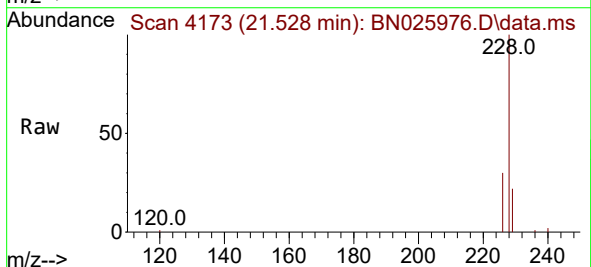
Instrument :
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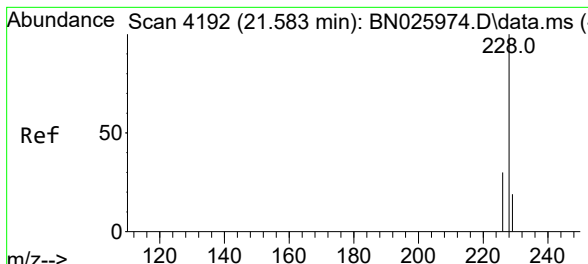
Tgt Ion:202 Resp: 266434
Ion Ratio Lower Upper
202 100
101 13.2 11.4 17.0
100 10.9 9.1 13.7



#21
Benzo(a)anthracene
Concen: 2.083 ng/ul
RT: 21.528 min Scan# 4173
Delta R.T. -0.004 min
Lab File: BN025976.D
Acq: 23 Jun 2023 20:14

Tgt Ion:228 Resp: 203009
Ion Ratio Lower Upper
228 100
229 21.5 15.8 23.6
226 29.8 22.5 33.7

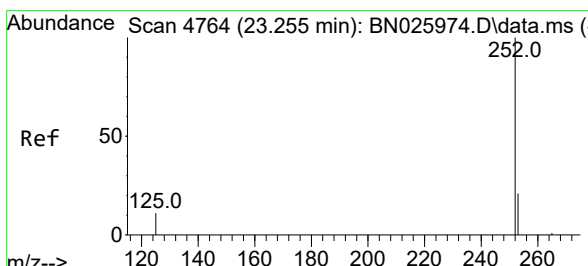
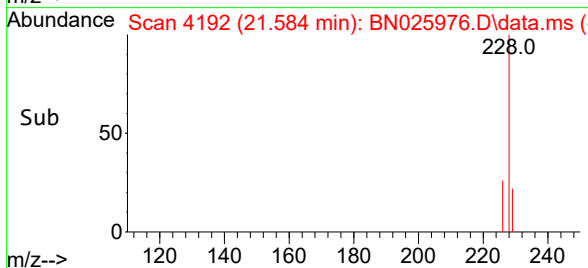
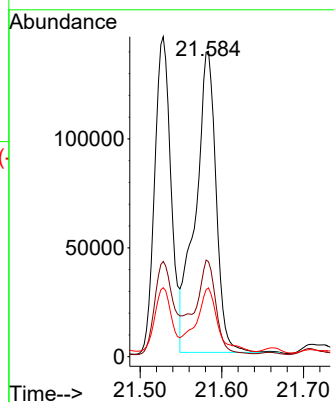
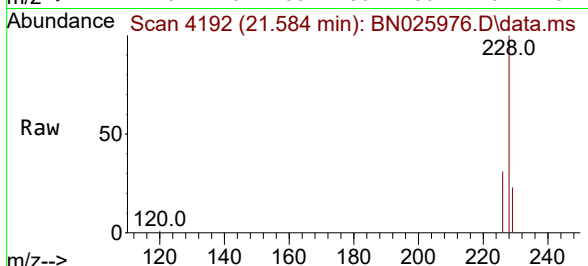




#22
Chrysene
Concen: 2.396 ng/ul
RT: 21.584 min Scan# 4192
Delta R.T. -0.001 min
Lab File: BN025976.D
Acq: 23 Jun 2023 20:14

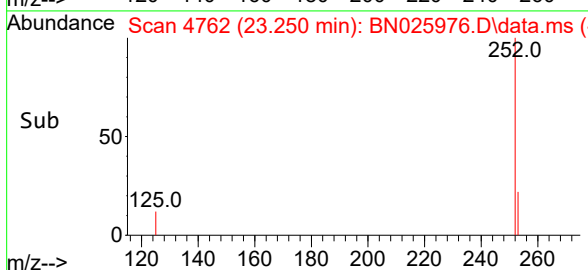
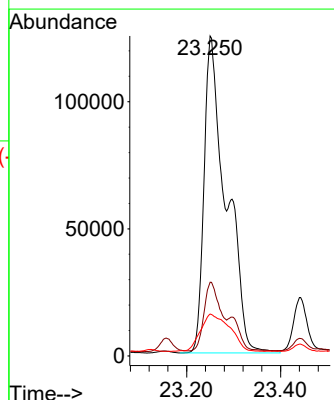
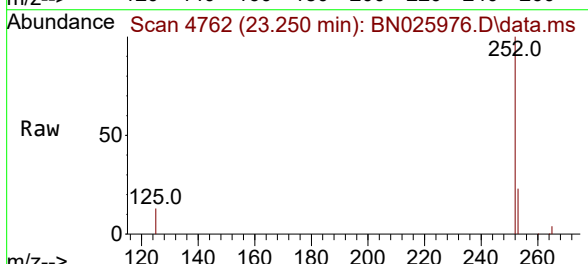
Instrument :
BNA_N
ClientSampleId :
DCFK1

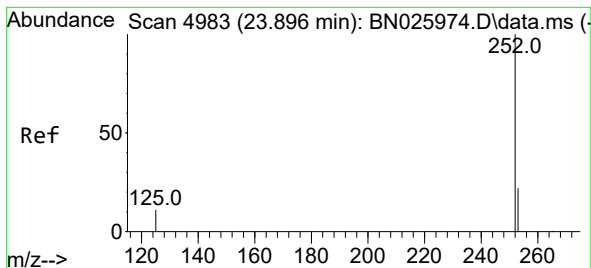
Tgt Ion:228 Resp: 242945
Ion Ratio Lower Upper
228 100
226 31.1 24.8 37.2
229 22.5 15.7 23.5



#24
Benzo(b)fluoranthene
Concen: 5.417 ng/ul
RT: 23.250 min Scan# 4762
Delta R.T. -0.007 min
Lab File: BN025976.D
Acq: 23 Jun 2023 20:14

Tgt Ion:252 Resp: 407394
Ion Ratio Lower Upper
252 100
253 23.0 0.0 55.6
125 13.1 0.0 35.8





#26

Benzo(a)pyrene

Concen: 1.087 ng/ul

RT: 23.893 min Scan# 4982

Delta R.T. -0.015 min

Lab File: BN025976.D

Acq: 23 Jun 2023 20:14

Instrument :

BNA_N

ClientSampleId :

DCFK1

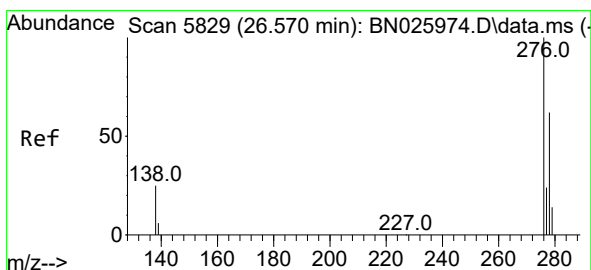
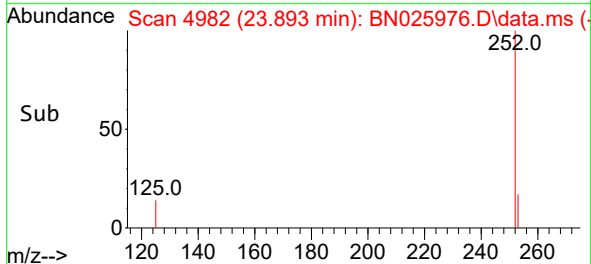
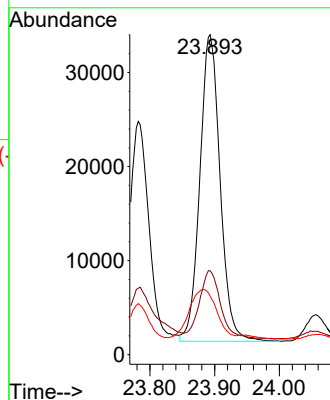
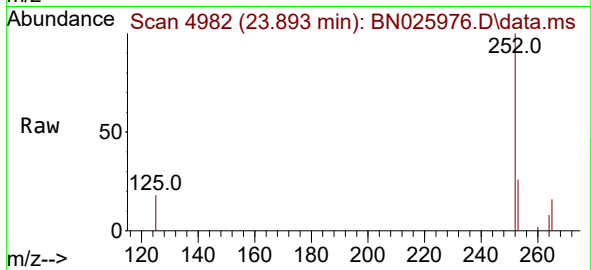
Tgt Ion:252 Resp: 70982

Ion Ratio Lower Upper

252 100

253 26.2 26.0 39.0

125 18.3 17.3 25.9



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.067 ng/ul

RT: 26.560 min Scan# 5826

Delta R.T. -0.034 min

Lab File: BN025976.D

Acq: 23 Jun 2023 20:14

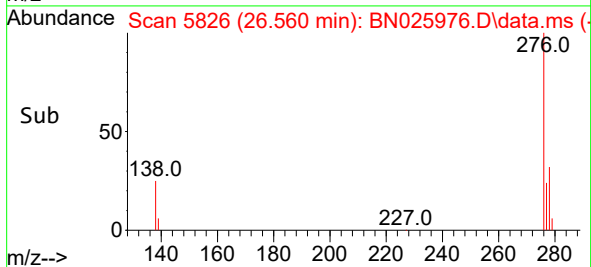
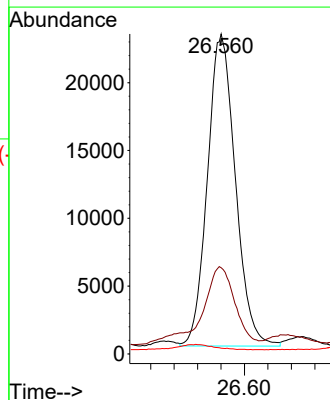
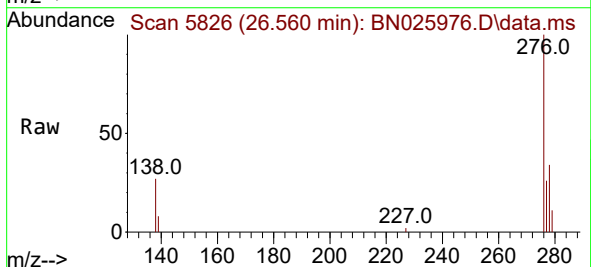
Tgt Ion:276 Resp: 76116

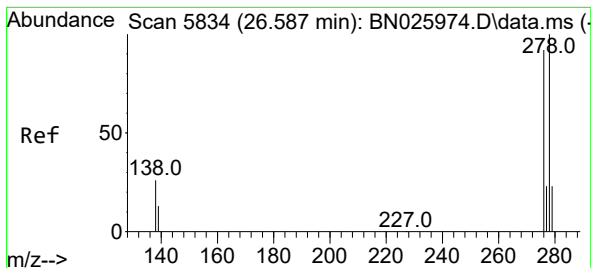
Ion Ratio Lower Upper

276 100

138 29.8 24.5 36.7

227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.583 ng/ul

RT: 26.567 min Scan# 5828

Delta R.T. -0.054 min

Lab File: BN025976.D

Acq: 23 Jun 2023 20:14

Instrument :

BNA_N

ClientSampleId :

DCFK1

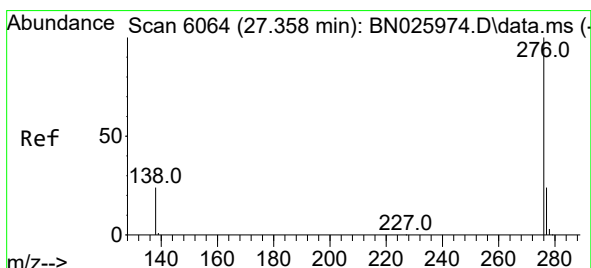
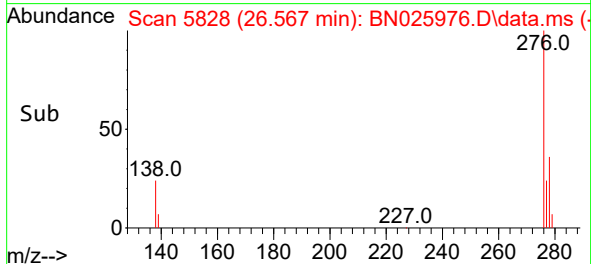
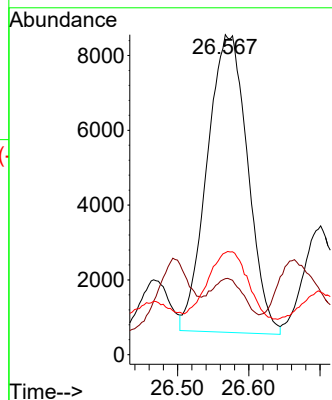
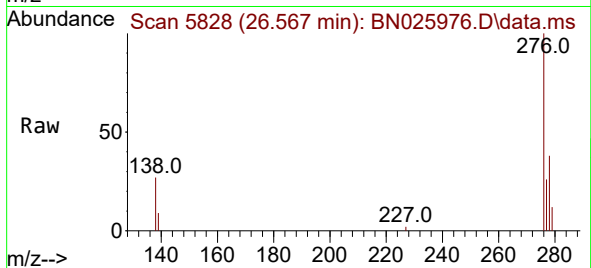
Tgt Ion:278 Resp: 31457

Ion Ratio Lower Upper

278 100

139 23.7 19.0 28.4

279 31.9 26.7 40.1



#29

Benzo(g,h,i)perylene

Concen: 0.073 ng/ul

RT: 27.358 min Scan# 6064

Delta R.T. -0.028 min

Lab File: BN025976.D

Acq: 23 Jun 2023 20:14

Tgt Ion:276 Resp: 4660

Ion Ratio Lower Upper

276 100

138 50.6 23.4 35.0#

277 42.2 20.0 30.0#

