

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070223\
 Data File : BN026241.D
 Acq On : 04 Jul 2023 00:56
 Operator : MA/JU
 Sample : 03353-02
 Misc :
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCGK4

Quant Time: Jul 04 03:56:20 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 : Tue Jul 04 00:40:07 2023
 Response via : Initial Calibration

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

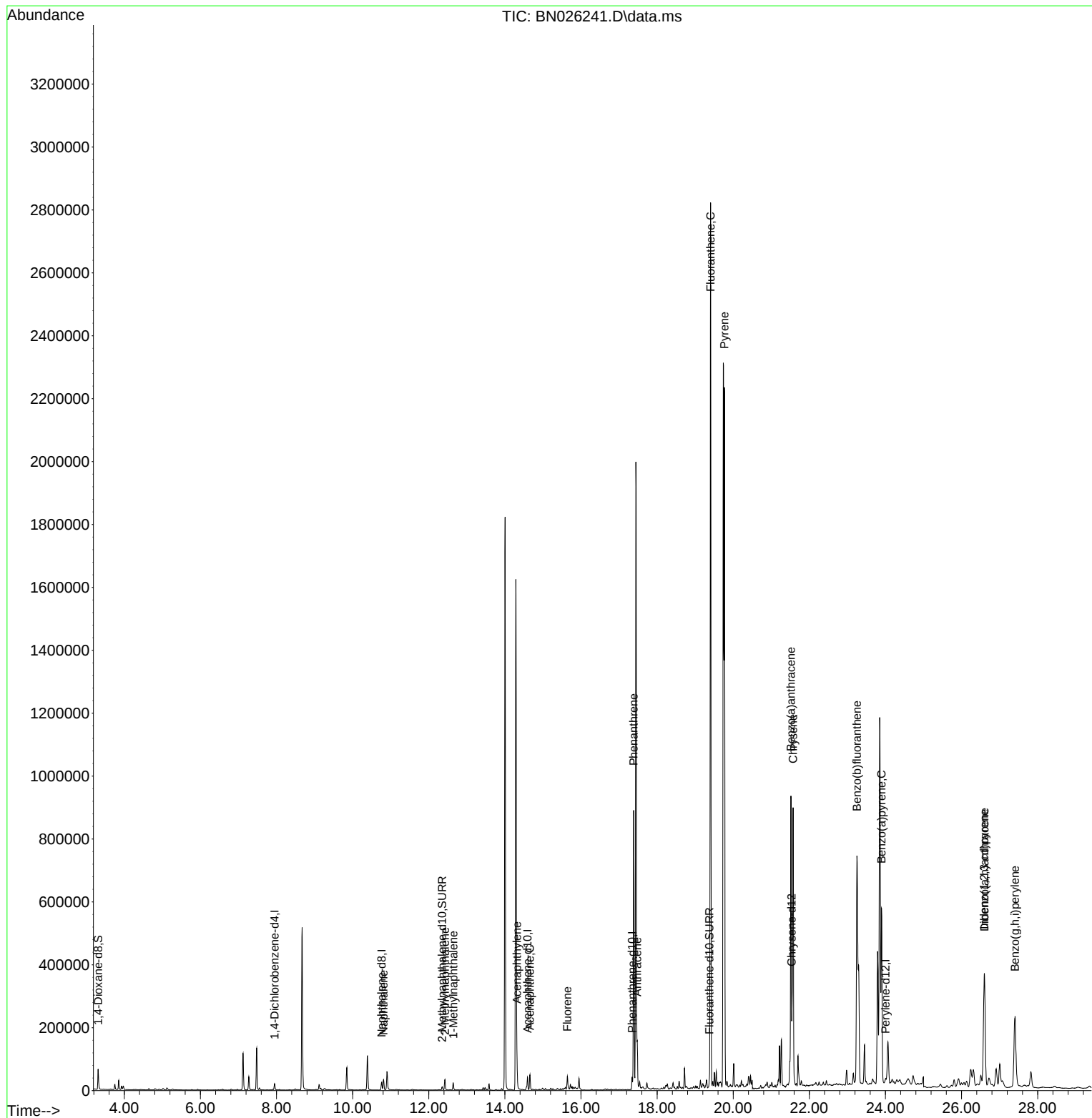
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	11293	0.400	ng/ul	0.00
4) Naphthalene-d8	10.763	136	35826	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.593	164	22295	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.342	188	45833	0.400	ng/ul	0.00
17) Chrysene-d12	21.534	240	22952	0.400	ng/ul	0.00
23) Perylene-d12	24.004	264	23922	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.314	96	44418	3.493	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.353	152	14485	0.263	ng/ul	0.00
18) Fluoranthene-d10	19.372	212	29940	0.343	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.813	128	46840	0.456	ng/ul	99
7) 2-Methylnaphthalene	12.424	142	24635	0.377	ng/ul	100
8) 1-Methylnaphthalene	12.644	142	16493	0.243	ng/ul	100
10) Acenaphthylene	14.315	152	85874	0.823	ng/ul	99
11) Acenaphthene	14.658	153	28670	0.336	ng/ul	99
12) Fluorene	15.643	166	27337	0.279	ng/ul#	99
15) Phenanthrene	17.384	178	947598	6.259	ng/ul	99
16) Anthracene	17.477	178	133320	0.991	ng/ul	100
19) Fluoranthene	19.404	202	2459682	20.064	ng/ul	96
20) Pyrene	19.771	202	1887311	14.801	ng/ul#	93
21) Benzo(a)anthracene	21.516	228	841968	8.892	ng/ul	98
22) Chrysene	21.575	228	986233	10.010	ng/ul	97
24) Benzo(b)fluoranthene	23.252	252	1822606	17.851	ng/ul	88
26) Benzo(a)pyrene	23.899	252	792110	8.932	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.597	276	642969	6.638	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.604	278	162426	2.216	ng/ul	94
29) Benzo(g,h,i)perylene	27.405	276	547405	6.353	ng/ul#	93

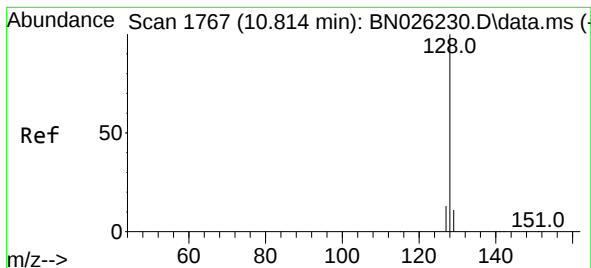
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.456 ng/ul

RT: 10.813 min Scan# 11

Delta R.T. -0.001 min

Lab File: BN026241.D

Acq: 04 Jul 2023 00:56

Instrument :

BNA_N

ClientSampleId :

DCGK4

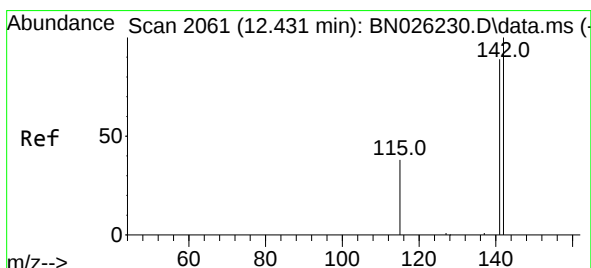
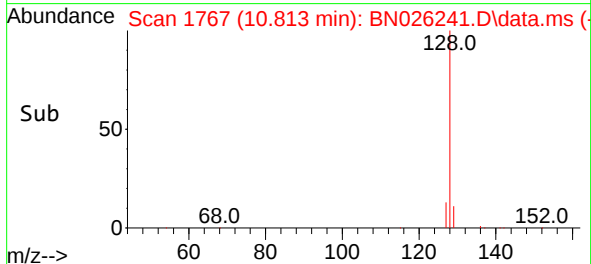
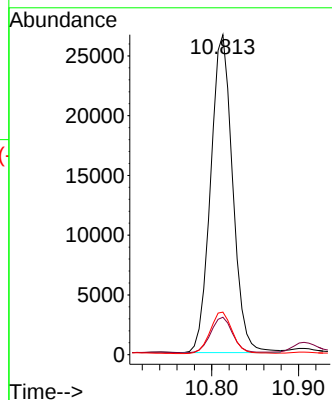
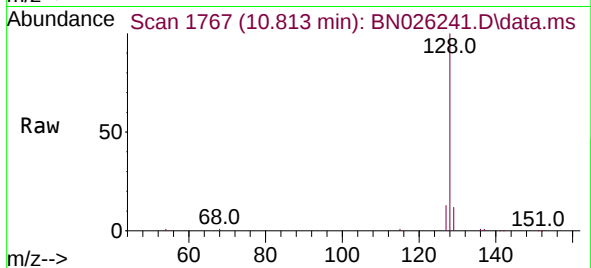
Tgt Ion:128 Resp: 46840

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

127 13.3 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.377 ng/ul

RT: 12.424 min Scan# 2060

Delta R.T. -0.007 min

Lab File: BN026241.D

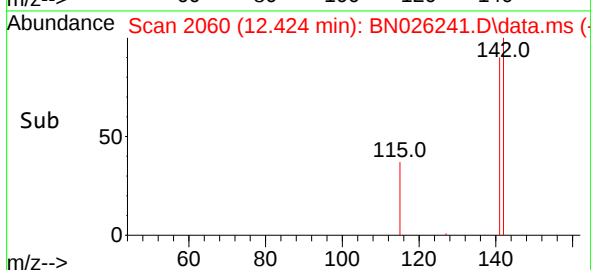
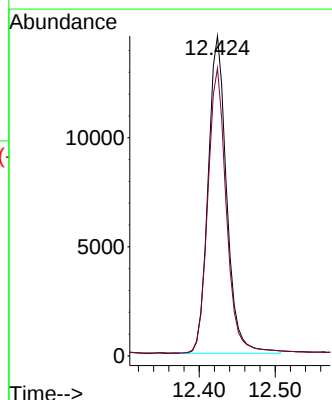
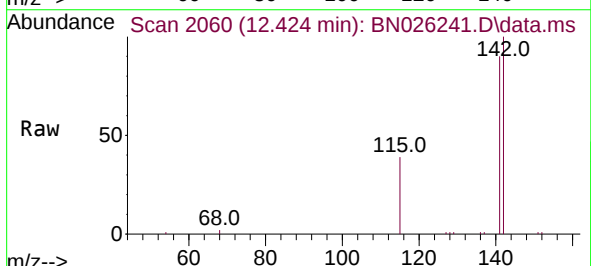
Acq: 04 Jul 2023 00:56

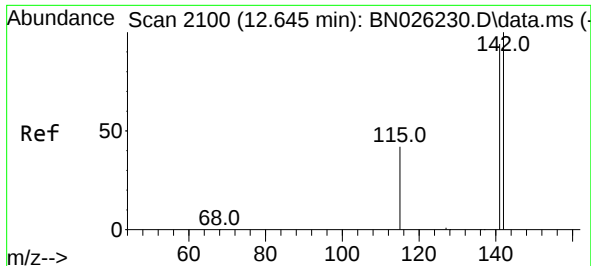
Tgt Ion:142 Resp: 24635

Ion Ratio Lower Upper

142 100

141 89.6 71.9 107.9

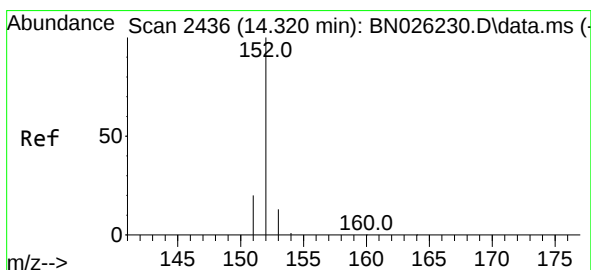
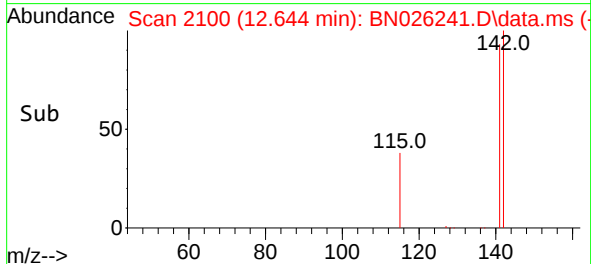
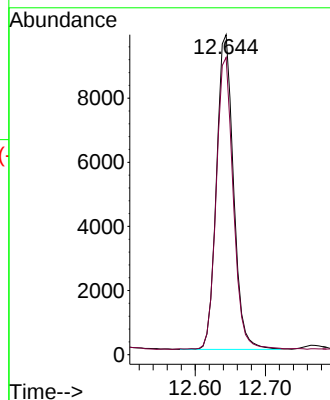
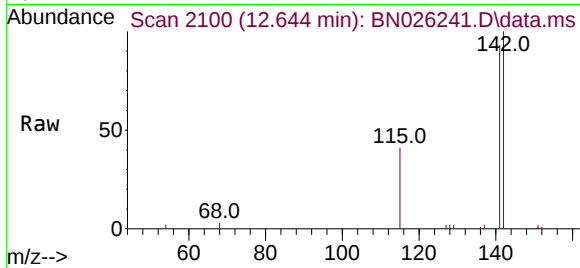




#8
1-Methylnaphthalene
Concen: 0.243 ng/ul
RT: 12.644 min Scan# 2100
Delta R.T. -0.001 min
Lab File: BN026241.D
Acq: 04 Jul 2023 00:56

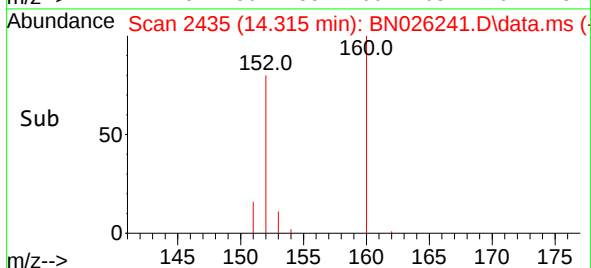
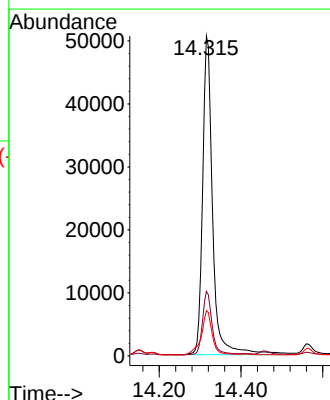
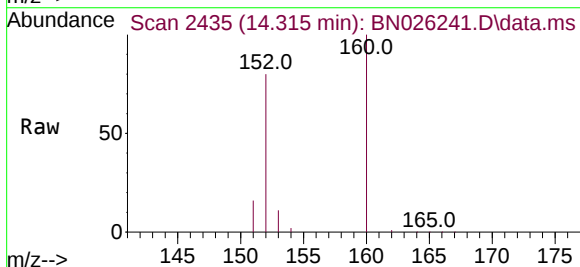
Instrument :
BNA_N
ClientSampleId :
DCGK4

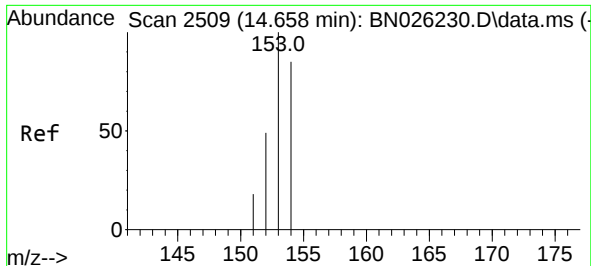
Tgt Ion:142 Resp: 16493
Ion Ratio Lower Upper
142 100
141 92.6 74.2 111.4



#10
Acenaphthylene
Concen: 0.823 ng/ul
RT: 14.315 min Scan# 2435
Delta R.T. -0.005 min
Lab File: BN026241.D
Acq: 04 Jul 2023 00:56

Tgt Ion:152 Resp: 85874
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 14.2 10.9 16.3

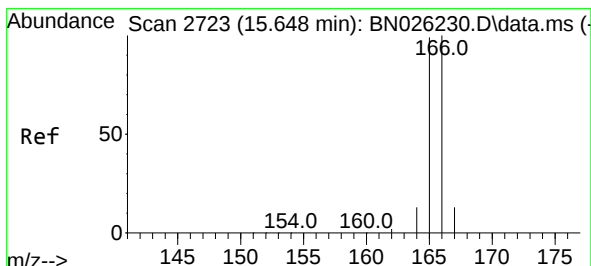
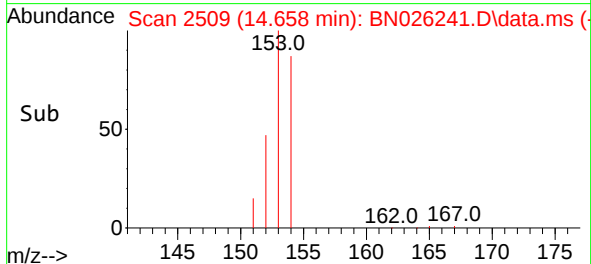
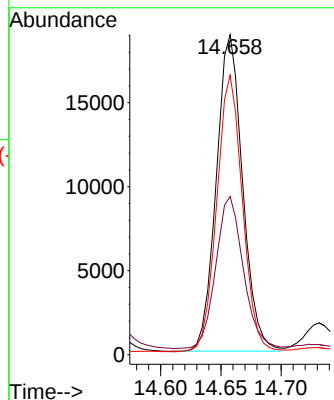
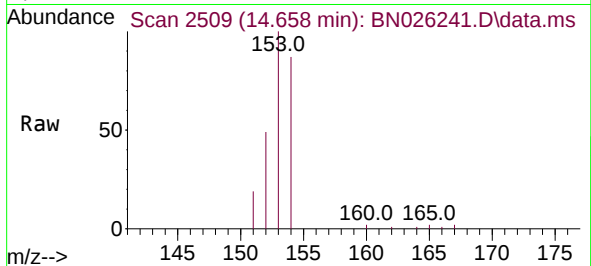




#11
Acenaphthene
Concen: 0.336 ng/ul
RT: 14.658 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN026241.D
Acq: 04 Jul 2023 00:56

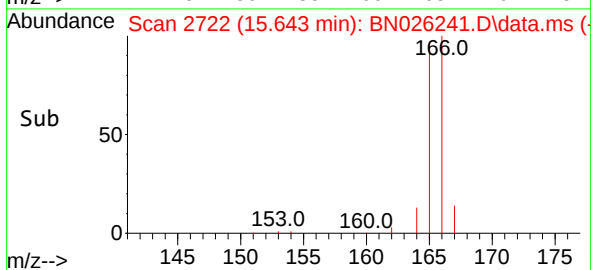
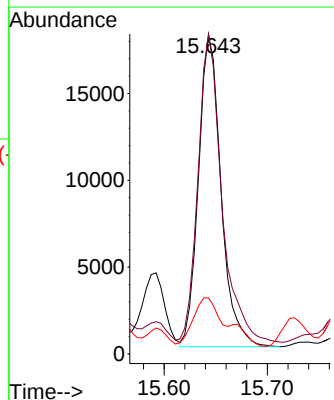
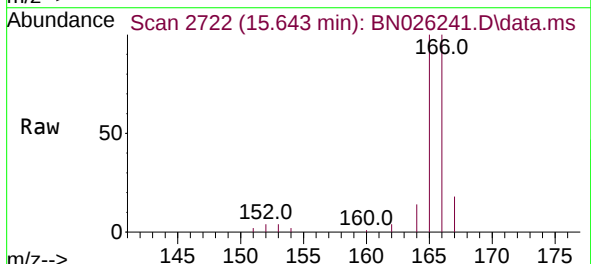
Instrument :
BNA_N
ClientSampleId :
DCGK4

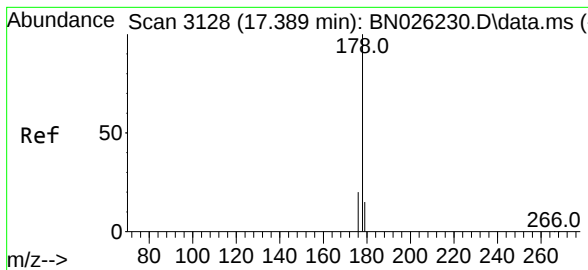
Tgt Ion:153 Resp: 28670
Ion Ratio Lower Upper
153 100
152 49.4 39.4 59.0
154 87.3 68.9 103.3



#12
Fluorene
Concen: 0.279 ng/ul
RT: 15.643 min Scan# 2722
Delta R.T. -0.005 min
Lab File: BN026241.D
Acq: 04 Jul 2023 00:56

Tgt Ion:166 Resp: 27337
Ion Ratio Lower Upper
166 100
165 100.2 79.9 119.9
167 17.6 10.8 16.2#





#15

Phenanthrene

Concen: 6.259 ng/ul

RT: 17.384 min Scan# 3128

Delta R.T. -0.005 min

Lab File: BN026241.D

Acq: 04 Jul 2023 00:56

Instrument :

BNA_N

ClientSampleId :

DCGK4

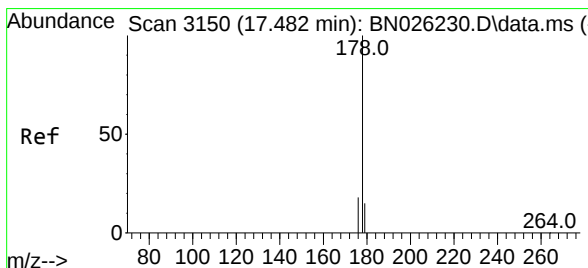
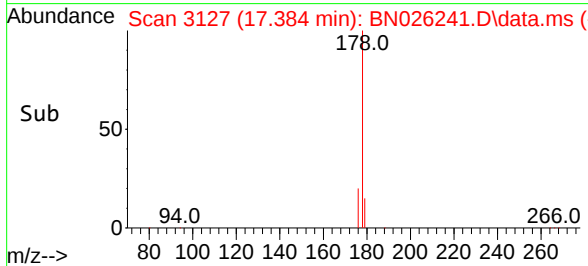
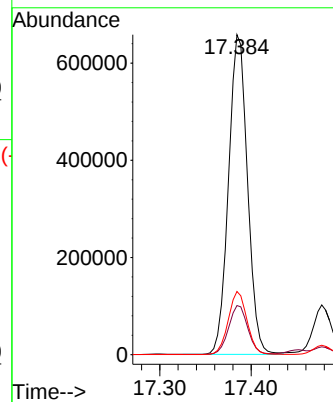
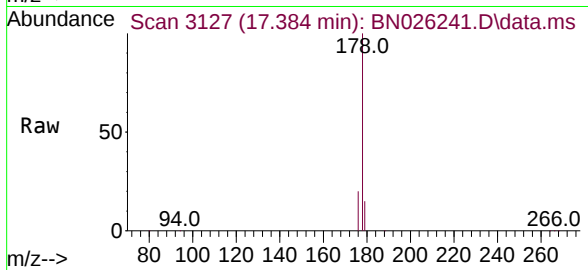
Tgt Ion:178 Resp: 947598

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.7 15.8 23.6



#16

Anthracene

Concen: 0.991 ng/ul

RT: 17.477 min Scan# 3149

Delta R.T. -0.005 min

Lab File: BN026241.D

Acq: 04 Jul 2023 00:56

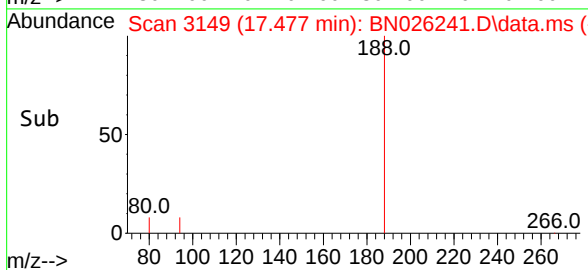
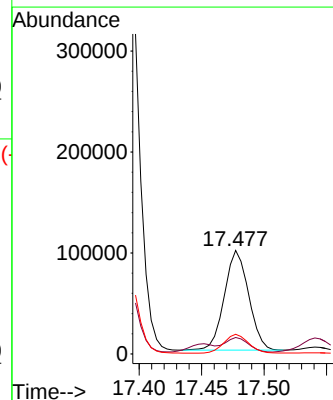
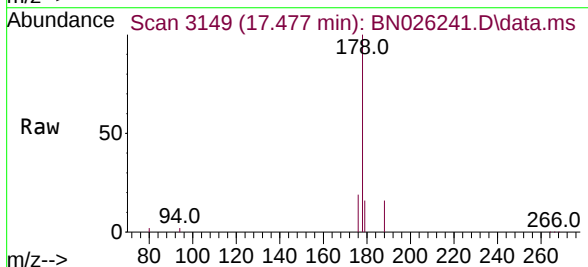
Tgt Ion:178 Resp: 133320

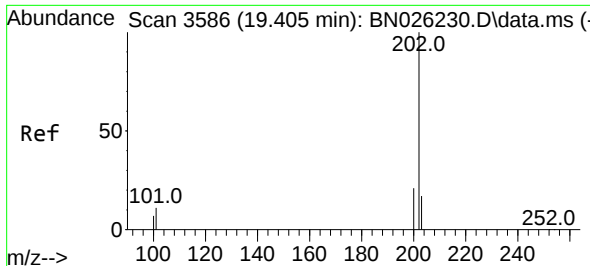
Ion Ratio Lower Upper

178 100

179 15.9 12.6 18.8

176 19.0 15.1 22.7

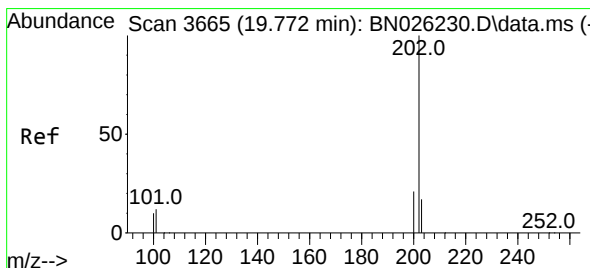
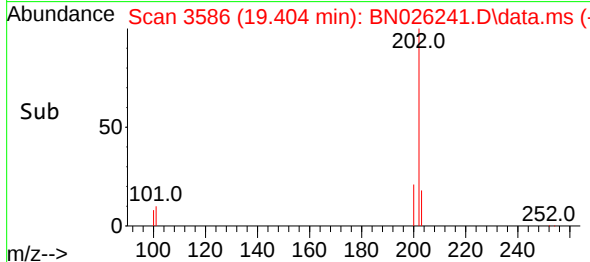
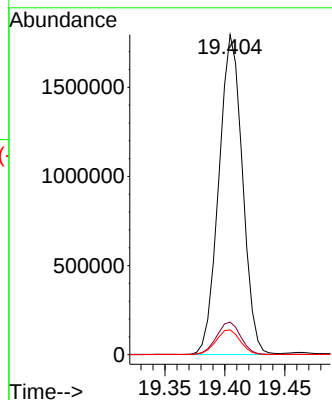
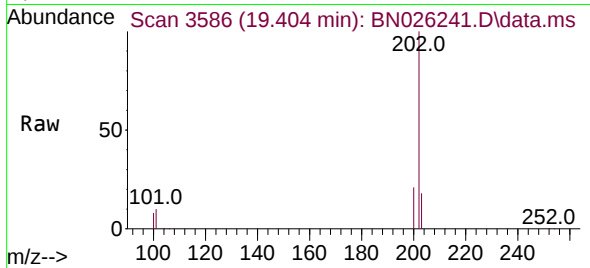




#19
Fluoranthene
Concen: 20.064 ng/ul
RT: 19.404 min Scan# 3586
Delta R.T. -0.001 min
Lab File: BN026241.D
Acq: 04 Jul 2023 00:56

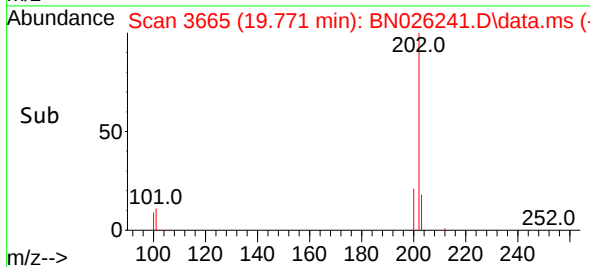
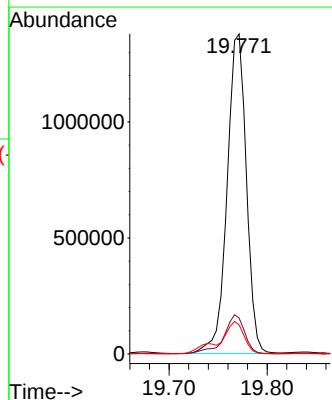
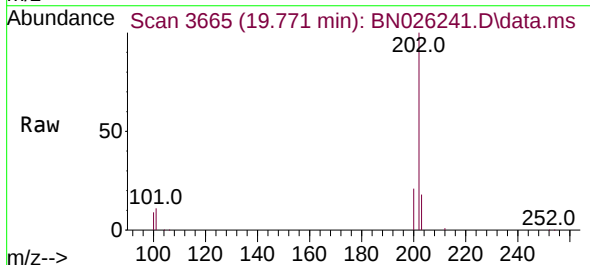
Instrument :
BNA_N
ClientSampleId :
DCGK4

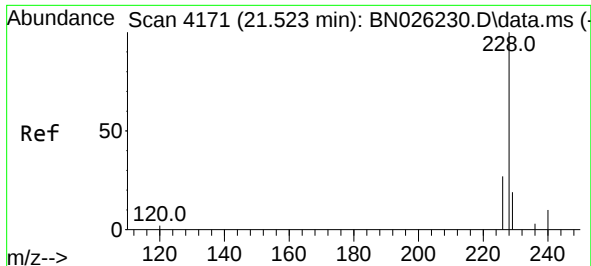
Tgt Ion:202 Resp: 2459682
Ion Ratio Lower Upper
202 100
101 10.2 9.5 14.3
100 7.8 7.3 10.9



#20
Pyrene
Concen: 14.801 ng/ul
RT: 19.771 min Scan# 3665
Delta R.T. -0.001 min
Lab File: BN026241.D
Acq: 04 Jul 2023 00:56

Tgt Ion:202 Resp: 1887311
Ion Ratio Lower Upper
202 100
101 11.3 11.4 17.0#
100 9.1 9.1 13.7#

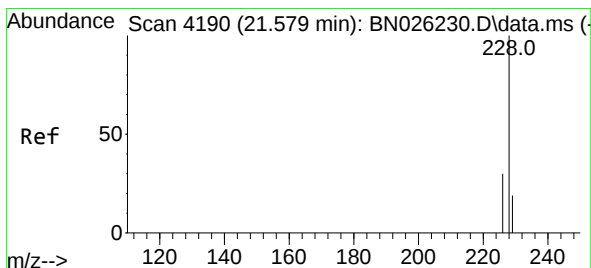
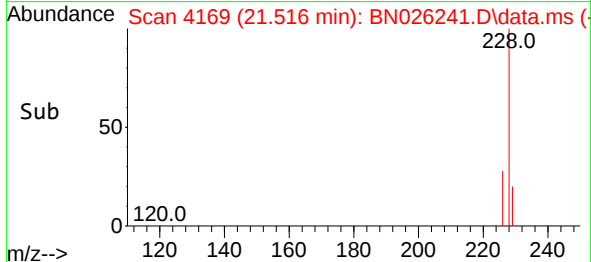
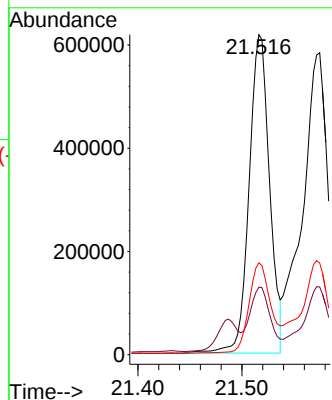
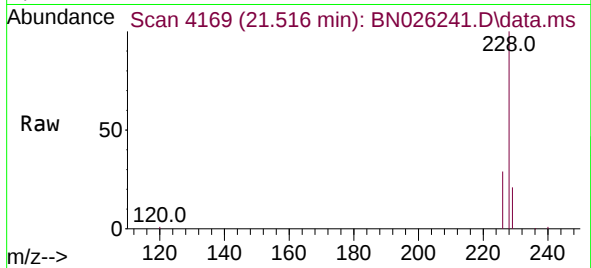




#21
Benzo(a)anthracene
Concen: 8.892 ng/ul
RT: 21.516 min Scan# 4171
Delta R.T. -0.007 min
Lab File: BN026241.D
Acq: 04 Jul 2023 00:56

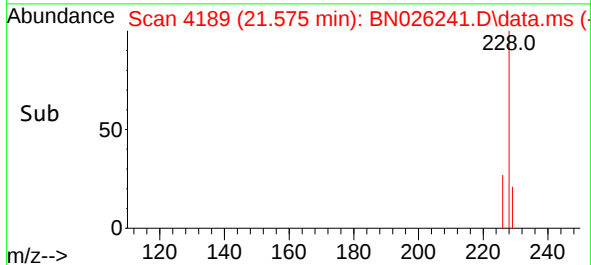
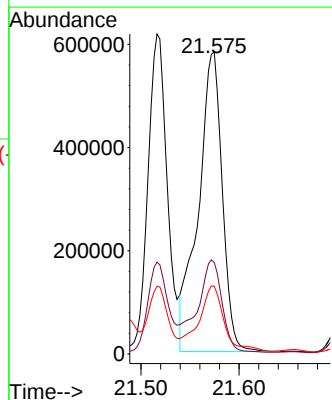
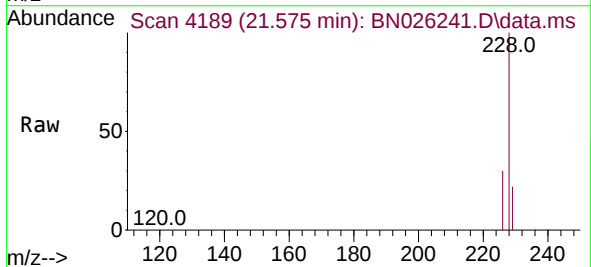
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BNA_N
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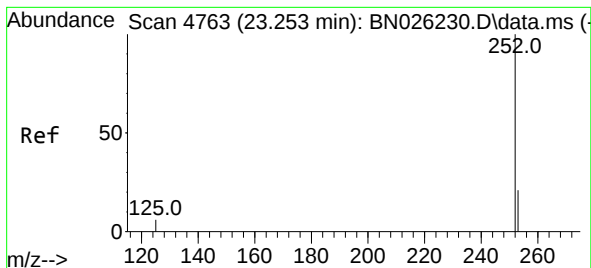
Tgt Ion:228 Resp: 841968
Ion Ratio Lower Upper
228 100
229 21.1 15.8 23.6
226 28.7 22.5 33.7



#22
Chrysene
Concen: 10.010 ng/ul
RT: 21.575 min Scan# 4189
Delta R.T. -0.004 min
Lab File: BN026241.D
Acq: 04 Jul 2023 00:56

Tgt Ion:228 Resp: 986233
Ion Ratio Lower Upper
228 100
226 30.3 24.8 37.2
229 22.4 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 17.851 ng/ul

RT: 23.252 min Scan# 41

Delta R.T. -0.001 min

Lab File: BN026241.D

Acq: 04 Jul 2023 00:56

Instrument :

BNA_N

ClientSampleId :

DCGK4

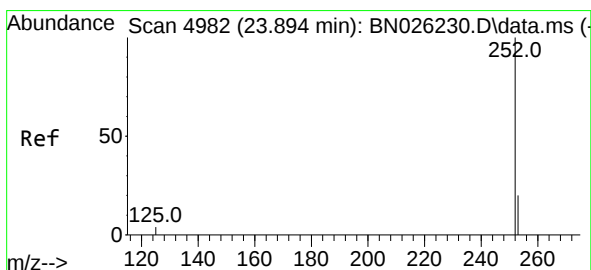
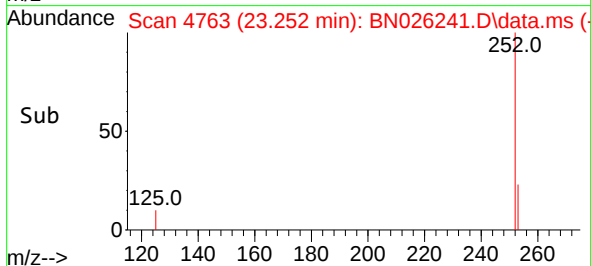
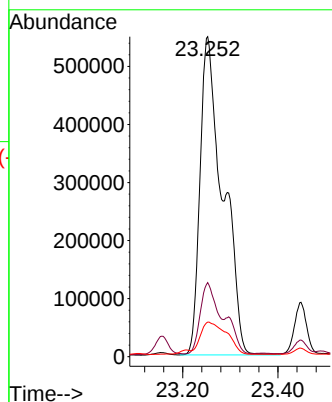
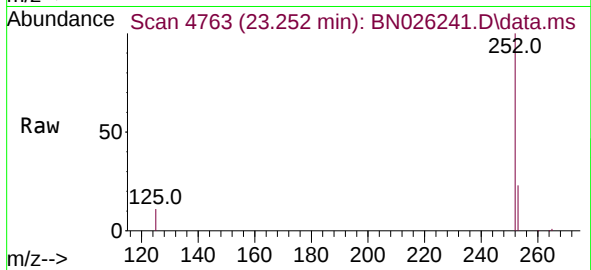
Tgt Ion:252 Resp: 1822606

Ion Ratio Lower Upper

252 100

253 23.2 0.0 55.6

125 10.8 0.0 35.8



#26

Benzo(a)pyrene

Concen: 8.932 ng/ul

RT: 23.899 min Scan# 4984

Delta R.T. 0.005 min

Lab File: BN026241.D

Acq: 04 Jul 2023 00:56

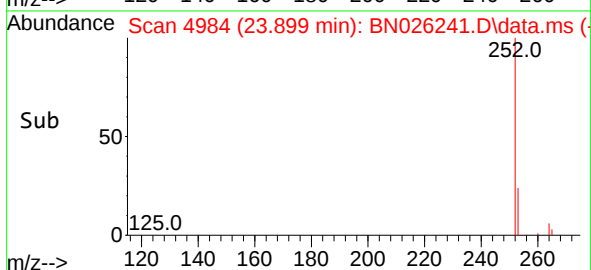
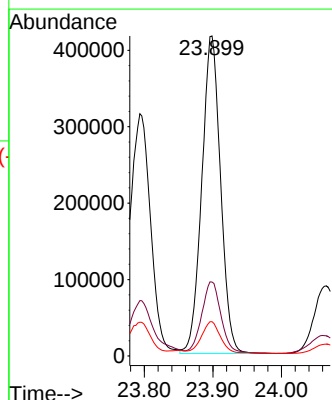
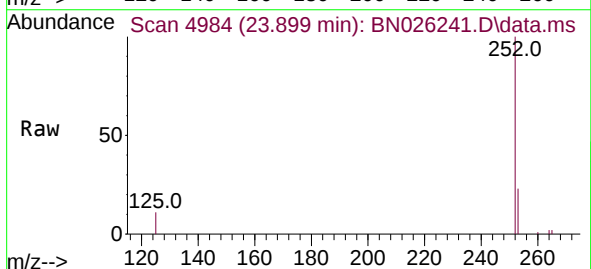
Tgt Ion:252 Resp: 792110

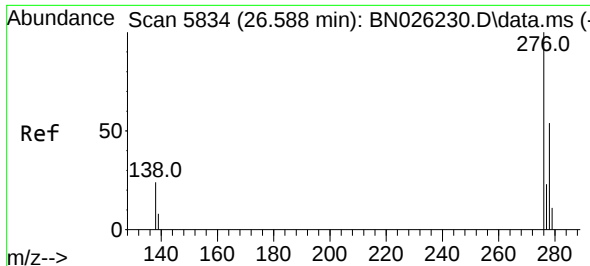
Ion Ratio Lower Upper

252 100

253 23.1 26.0 39.0#

125 10.7 17.3 25.9#





#27

Indeno(1,2,3-cd)pyrene

Concen: 6.638 ng/ul

RT: 26.597 min Scan# 5837

Delta R.T. 0.009 min

Lab File: BN026241.D

Acq: 04 Jul 2023 00:56

Instrument :

BNA_N

ClientSampleId :

DCGK4

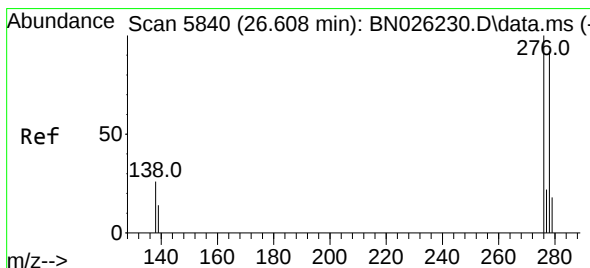
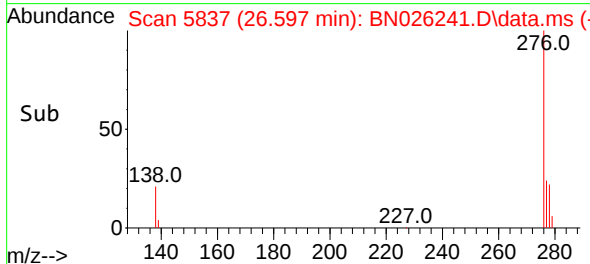
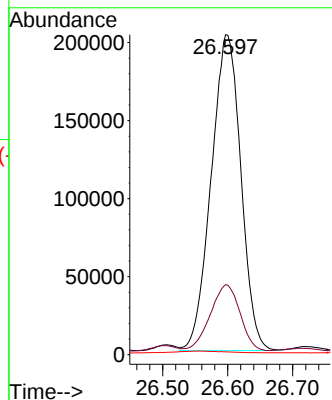
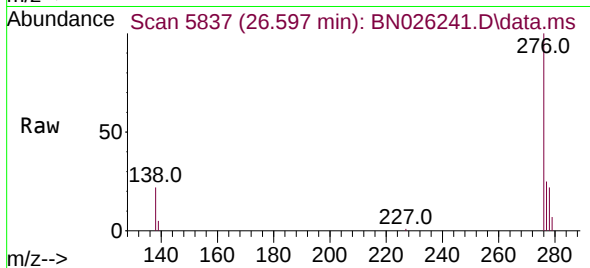
Tgt Ion:276 Resp: 642969

Ion Ratio Lower Upper

276 100

138 21.3 24.5 36.7#

227 0.0 0.0 0.0



#28

Dibenzo(a,h)anthracene

Concen: 2.216 ng/ul

RT: 26.604 min Scan# 5839

Delta R.T. -0.004 min

Lab File: BN026241.D

Acq: 04 Jul 2023 00:56

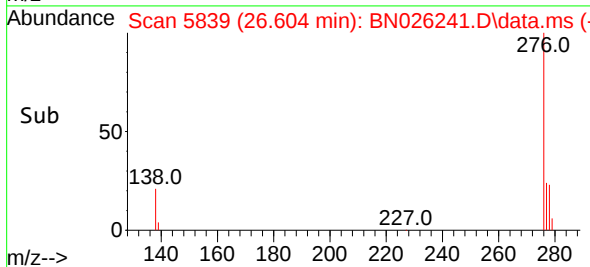
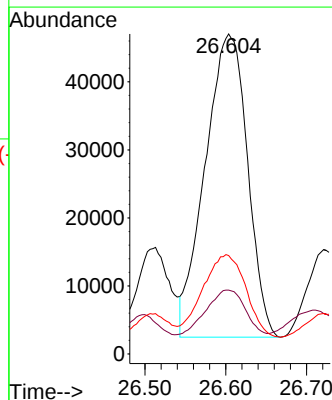
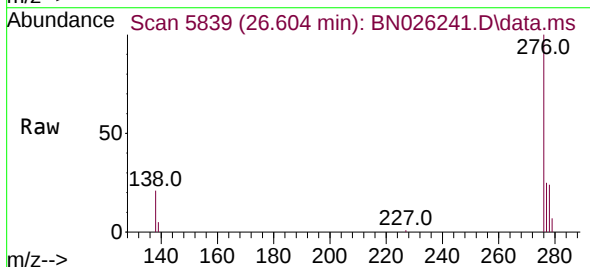
Tgt Ion:278 Resp: 162426

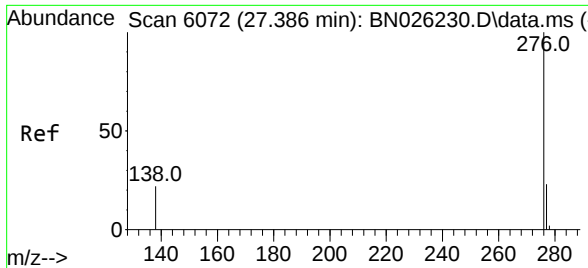
Ion Ratio Lower Upper

278 100

139 20.0 19.0 28.4

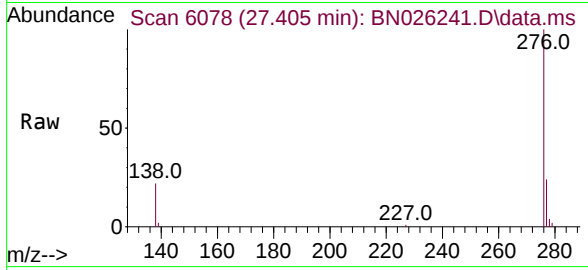
279 30.8 26.7 40.1





#29
 Benzo(g,h,i)perylene
 Concen: 6.353 ng/ul
 RT: 27.405 min Scan# 6078
 Delta R.T. 0.019 min
 Lab File: BN026241.D
 Acq: 04 Jul 2023 00:56

Instrument :
 BNA_N
 ClientSampleId :
 DCGK4



Tgt Ion:276 Resp: 547405

Ion	Ratio	Lower	Upper
276	100		
138	22.4	23.4	35.0#
277	24.5	20.0	30.0

