

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
 Data File : BN026962.D
 Acq On : 18 Aug 2023 16:46
 Operator : MA/JU
 Sample : 03965-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48H1

Quant Time: Aug 18 17:22:43 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 18 13:11:26 2023
 Response via : Initial Calibration

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

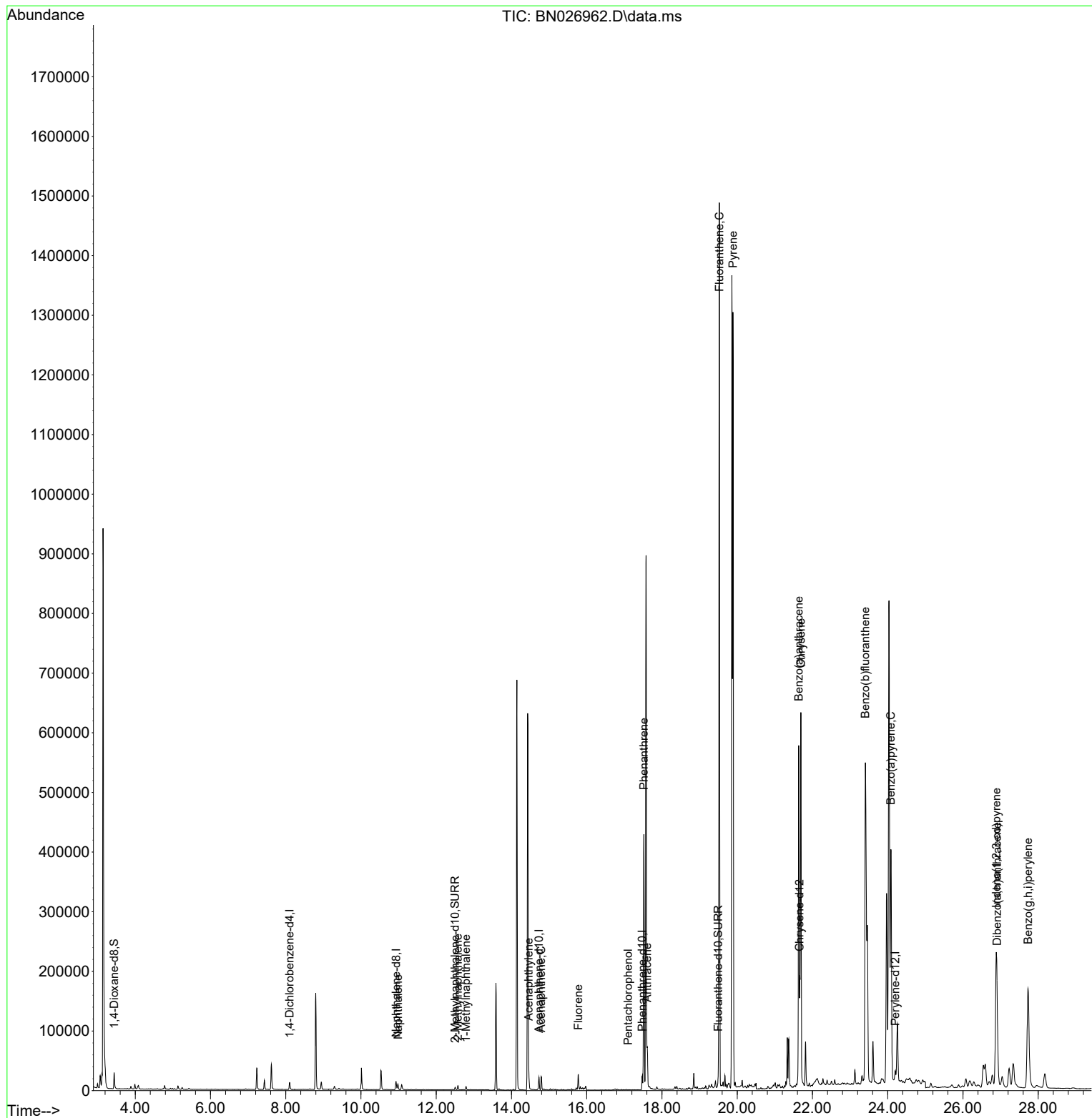
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.106	152	5976	0.400	ng/ul	0.00
4) Naphthalene-d8	10.933	136	19703	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	11618	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.476	188	26851	0.400	ng/ul	0.00
17) Chrysene-d12	21.653	240	24370	0.400	ng/ul	# 0.00
23) Perylene-d12	24.199	264	24721	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	18930	2.668	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	5709	0.197	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	14932	0.194	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.982	128	13060	0.235	ng/ul	97
7) 2-Methylnaphthalene	12.577	142	5070	0.150	ng/ul	98
8) 1-Methylnaphthalene	12.792	142	3771	0.107	ng/ul	100
10) Acenaphthylene	14.458	152	27219	0.418	ng/ul	100
11) Acenaphthene	14.791	153	12853	0.285	ng/ul	98
12) Fluorene	15.776	166	16472	0.323	ng/ul	98
14) Pentachlorophenol	17.101	266	163	0.021	ng/ul	97
15) Phenanthrene	17.519	178	453459	5.140	ng/ul	100
16) Anthracene	17.607	178	68663	0.861	ng/ul	100
19) Fluoranthene	19.524	202	1236745	12.218	ng/ul	100
20) Pyrene	19.887	202	1088450	10.077	ng/ul	99
21) Benzo(a)anthracene	21.635	228	519567	5.361	ng/ul	99
22) Chrysene	21.691	228	677005	7.077	ng/ul	98
24) Benzo(b)fluoranthene	23.407	252	1364656	14.594	ng/ul	98
26) Benzo(a)pyrene	24.085	252	601590	7.130	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.887	276	446483	4.045	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.907	278	99756	1.134	ng/ul	97
29) Benzo(g,h,i)perylene	27.729	276	406058	4.418	ng/ul	99

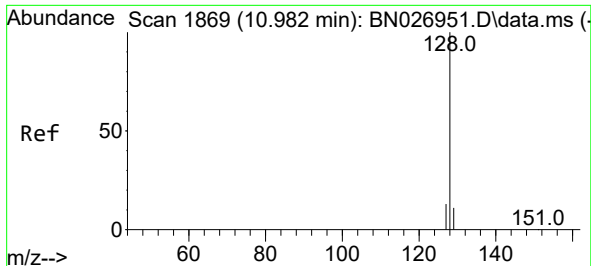
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
Response via : Initial Calibration

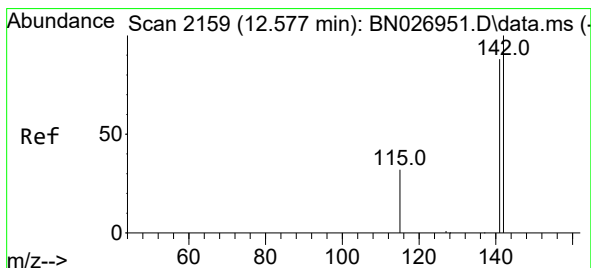
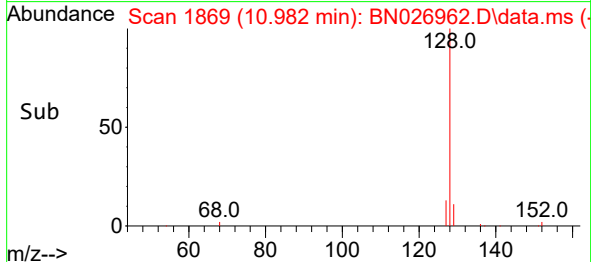
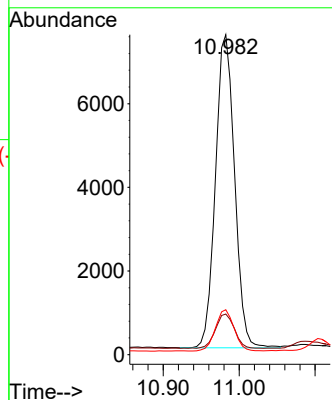
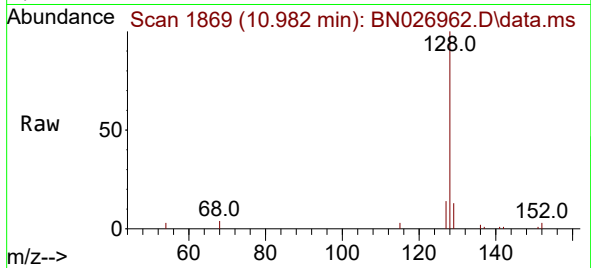




#5
Naphthalene
Concen: 0.235 ng/ul
RT: 10.982 min Scan# 1869
Delta R.T. 0.000 min
Lab File: BN026962.D
Acq: 18 Aug 2023 16:46

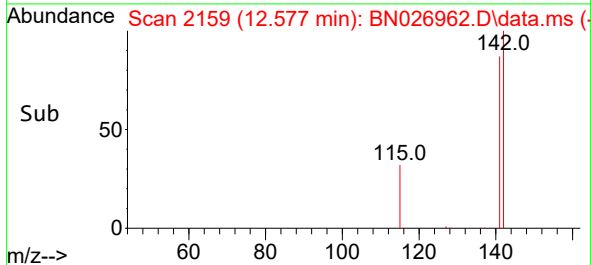
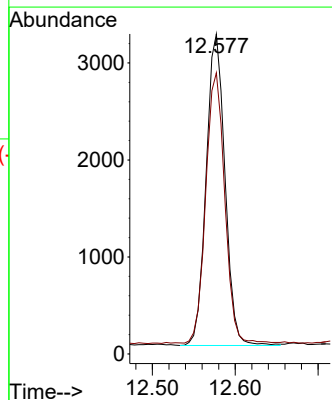
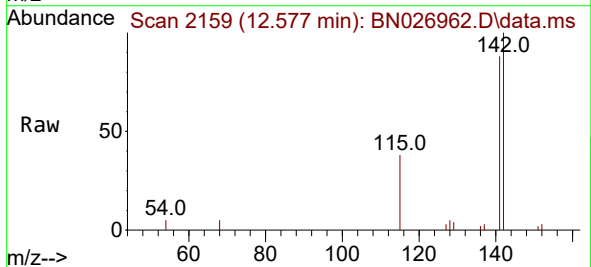
Instrument :
BNA_N
ClientSampleId :
A48H1

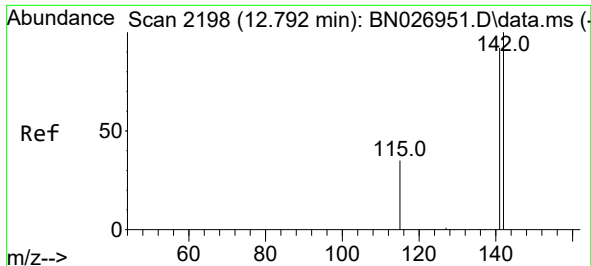
Tgt Ion:128 Resp: 13060
Ion Ratio Lower Upper
128 100
129 12.7 9.2 13.8
127 14.0 10.5 15.7



#7
2-Methylnaphthalene
Concen: 0.150 ng/ul
RT: 12.577 min Scan# 2159
Delta R.T. 0.000 min
Lab File: BN026962.D
Acq: 18 Aug 2023 16:46

Tgt Ion:142 Resp: 5070
Ion Ratio Lower Upper
142 100
141 87.0 70.9 106.3

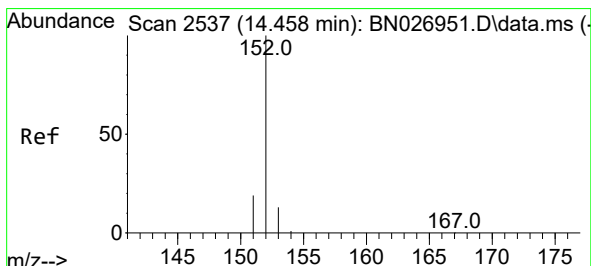
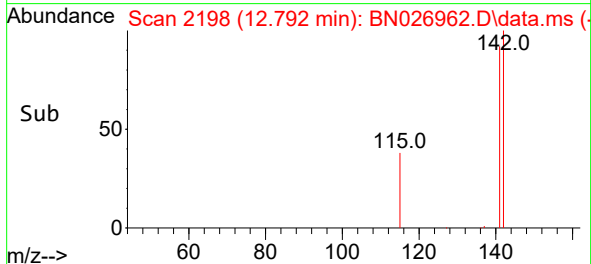
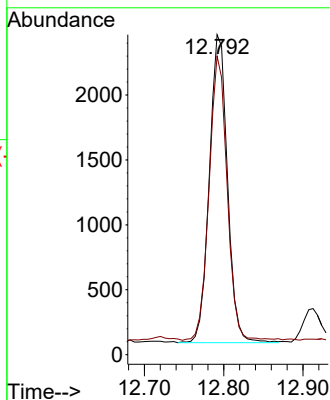
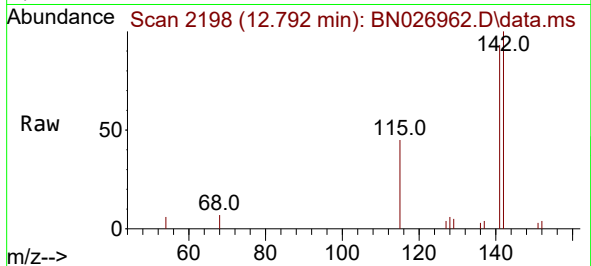




#8
1-Methylnaphthalene
Concen: 0.107 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026962.D
Acq: 18 Aug 2023 16:46

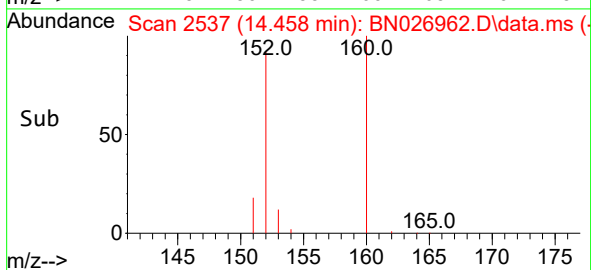
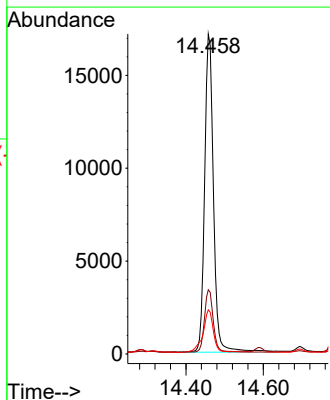
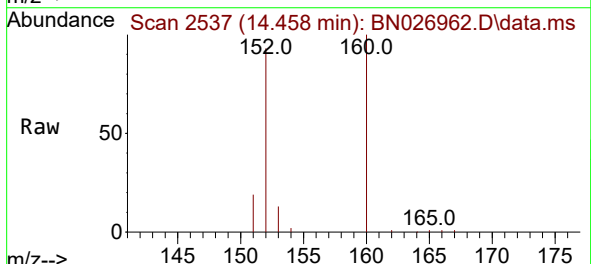
Instrument :
BNA_N
ClientSampleId :
A48H1

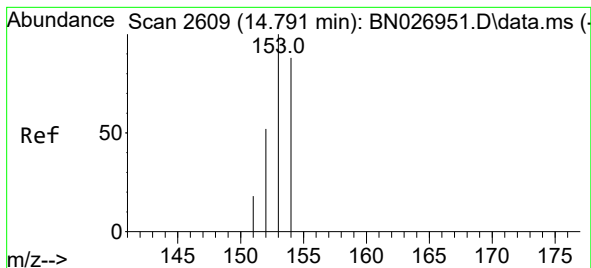
Tgt Ion:142 Resp: 3771
Ion Ratio Lower Upper
142 100
141 91.5 73.2 109.8



#10
Acenaphthylene
Concen: 0.418 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BN026962.D
Acq: 18 Aug 2023 16:46

Tgt Ion:152 Resp: 27219
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.8 11.0 16.6





#11

Acenaphthene

Concen: 0.285 ng/ul

RT: 14.791 min Scan# 2609

Delta R.T. 0.000 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

Instrument :

BNA_N

ClientSampleId :

A48H1

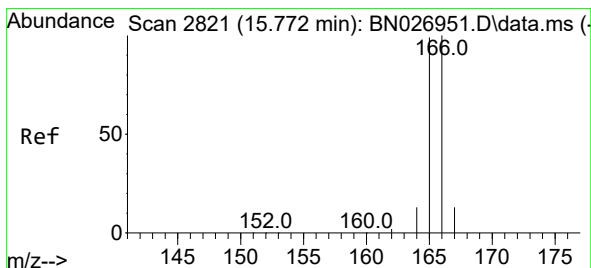
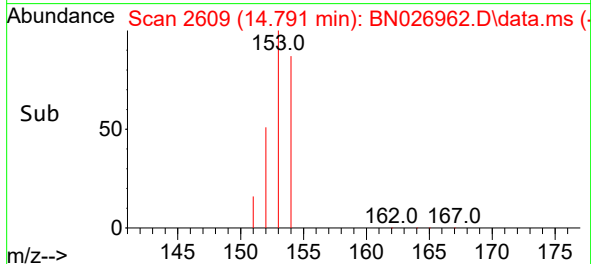
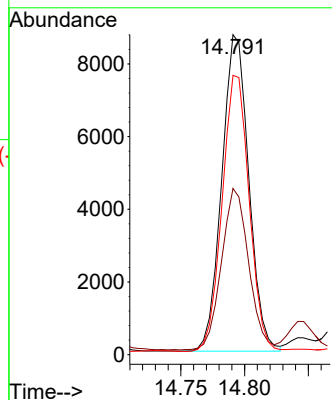
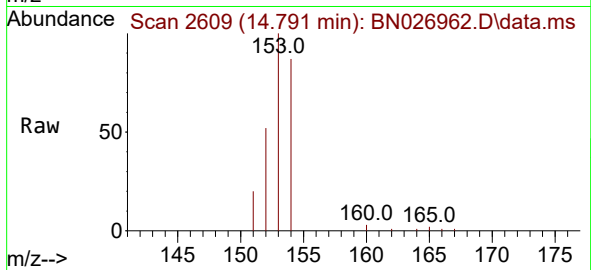
Tgt Ion:153 Resp: 12853

Ion Ratio Lower Upper

153 100

152 51.9 41.1 61.7

154 87.3 71.6 107.4



#12

Fluorene

Concen: 0.323 ng/ul

RT: 15.776 min Scan# 2822

Delta R.T. 0.005 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

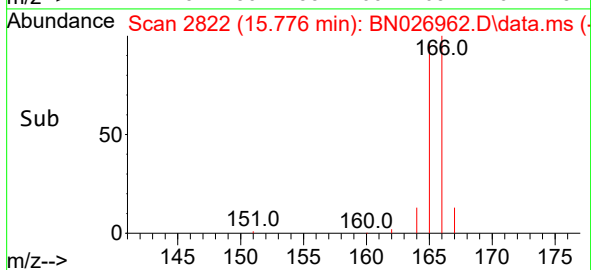
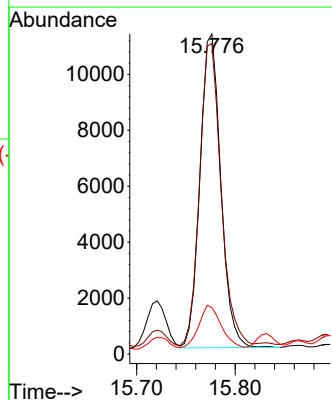
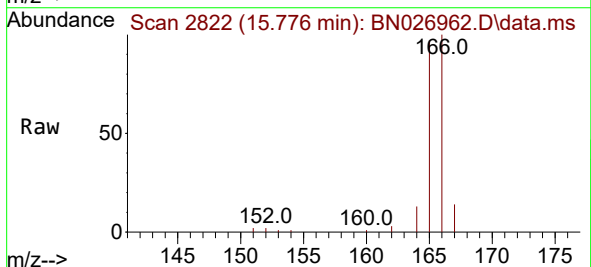
Tgt Ion:166 Resp: 16472

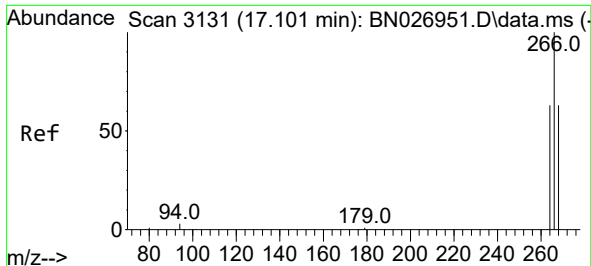
Ion Ratio Lower Upper

166 100

165 97.1 79.1 118.7

167 14.5 11.4 17.0

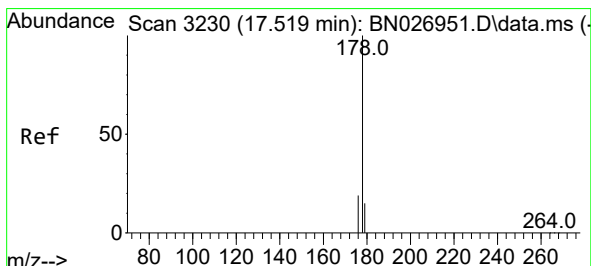
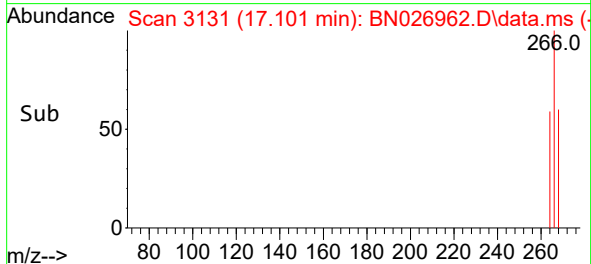
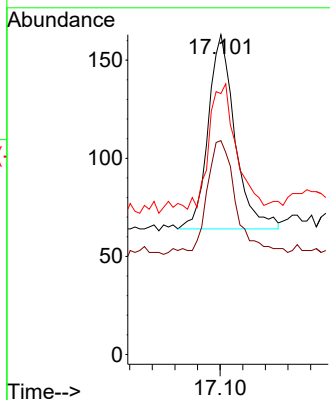
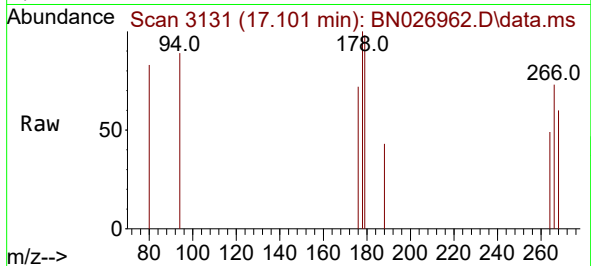




#14
Pentachlorophenol
Concen: 0.021 ng/ul
RT: 17.101 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BN026962.D
Acq: 18 Aug 2023 16:46

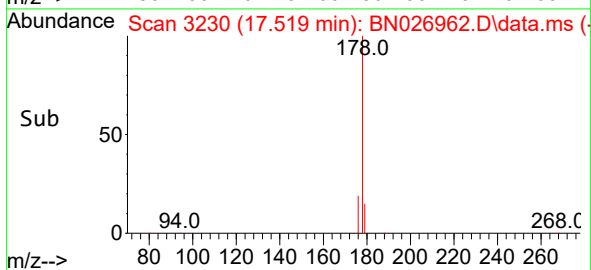
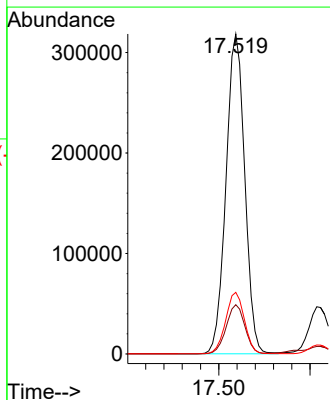
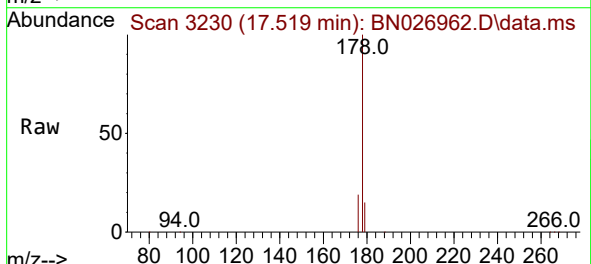
Instrument :
BNA_N
ClientSampleId :
A48H1

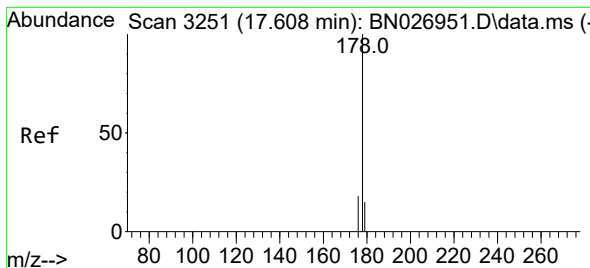
Tgt Ion:266	Resp:	163
Ion Ratio	Lower	Upper
266	100	
264	59.5	50.4 75.6
268	65.0	51.2 76.8



#15
Phenanthrene
Concen: 5.140 ng/ul
RT: 17.519 min Scan# 3230
Delta R.T. -0.000 min
Lab File: BN026962.D
Acq: 18 Aug 2023 16:46

Tgt Ion:178	Resp:	453459
Ion Ratio	Lower	Upper
178	100	
179	15.4	12.6 18.8
176	19.2	15.4 23.2





#16

Anthracene

Concen: 0.861 ng/ul

RT: 17.607 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

Instrument :

BNA_N

ClientSampleId :

A48H1

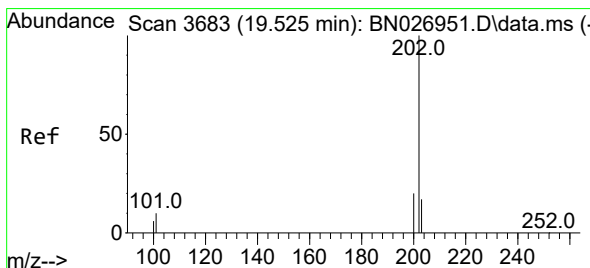
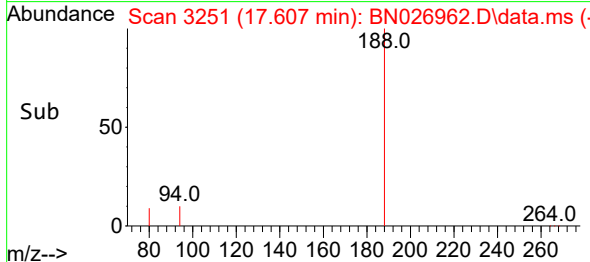
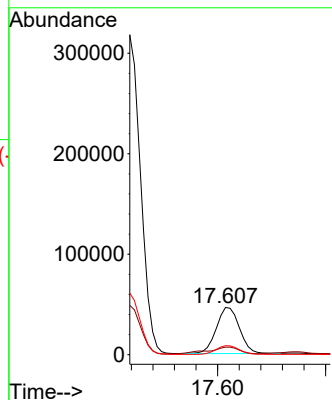
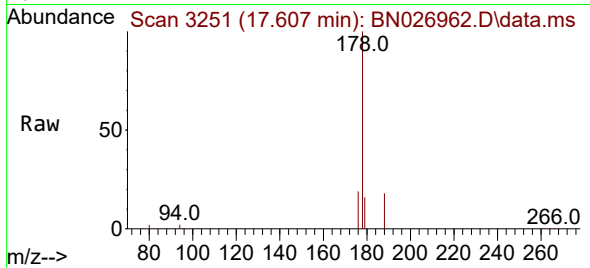
Tgt Ion:178 Resp: 68663

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

176 18.9 15.0 22.6



#19

Fluoranthene

Concen: 12.218 ng/ul

RT: 19.524 min Scan# 3683

Delta R.T. -0.000 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

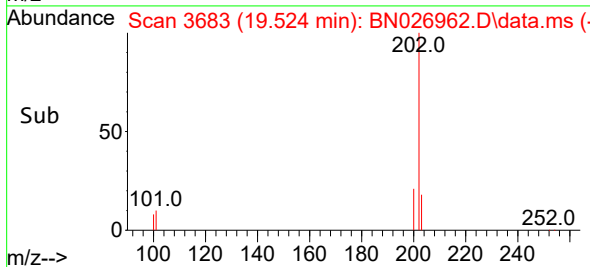
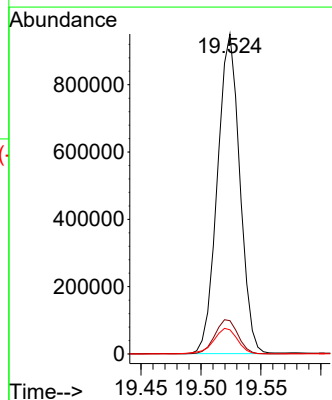
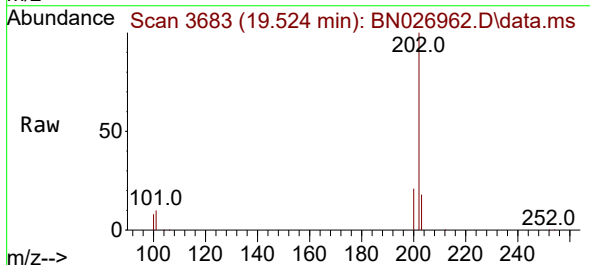
Tgt Ion:202 Resp: 1236745

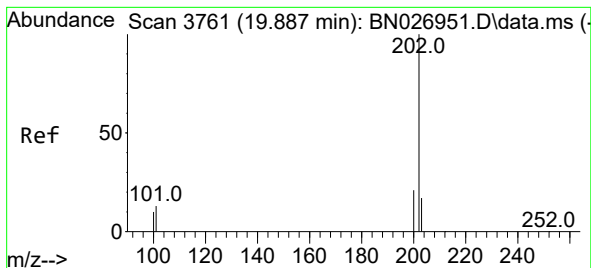
Ion Ratio Lower Upper

202 100

101 10.4 8.3 12.5

100 7.6 6.2 9.2





#20

Pyrene

Concen: 10.077 ng/ul

RT: 19.887 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

Instrument :

BNA_N

ClientSampleId :

A48H1

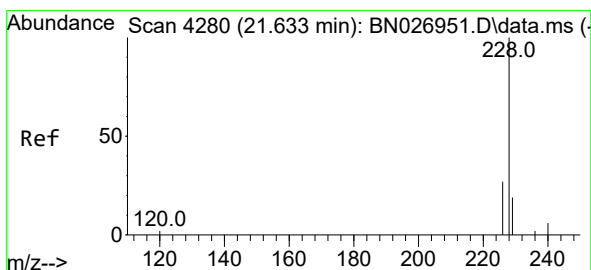
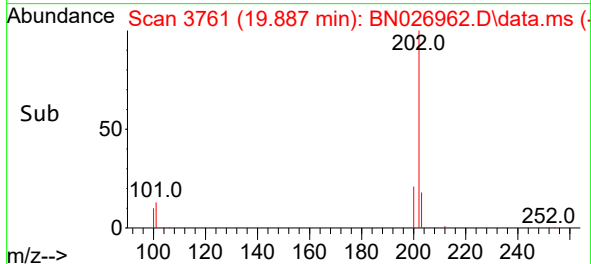
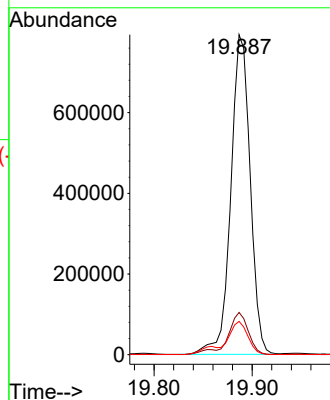
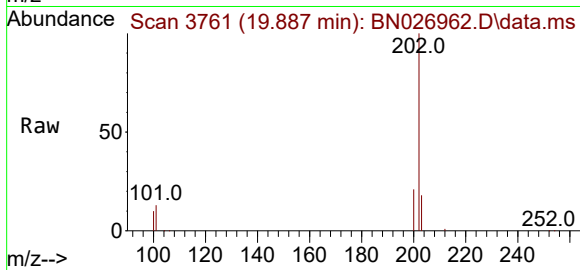
Tgt Ion:202 Resp: 1088450

Ion Ratio Lower Upper

202 100

101 13.2 10.7 16.1

100 10.4 8.5 12.7



#21

Benzo(a)anthracene

Concen: 5.361 ng/ul

RT: 21.635 min Scan# 4281

Delta R.T. 0.003 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

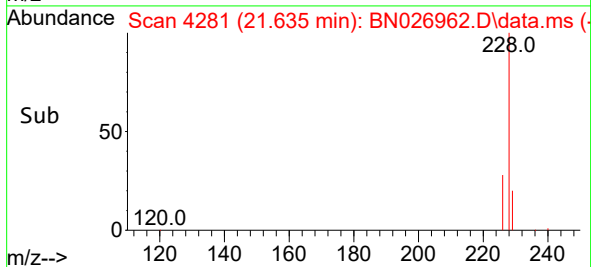
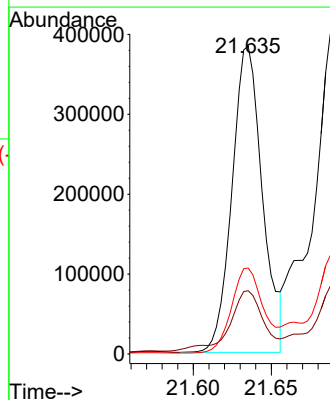
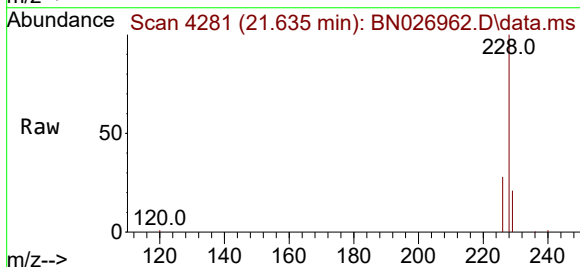
Tgt Ion:228 Resp: 519567

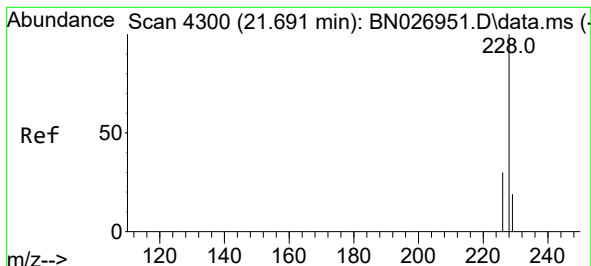
Ion Ratio Lower Upper

228 100

229 20.6 16.0 24.0

226 27.9 22.2 33.2





#22

Chrysene

Concen: 7.077 ng/ul

RT: 21.691 min Scan# 4300

Delta R.T. -0.000 min

Lab File: BN026962.D

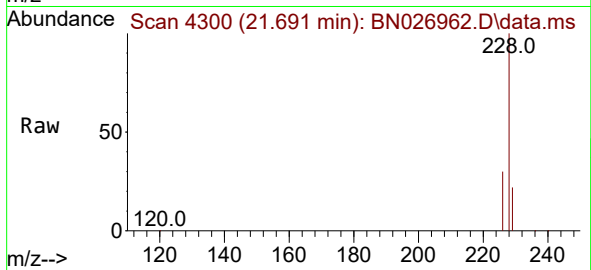
Acq: 18 Aug 2023 16:46

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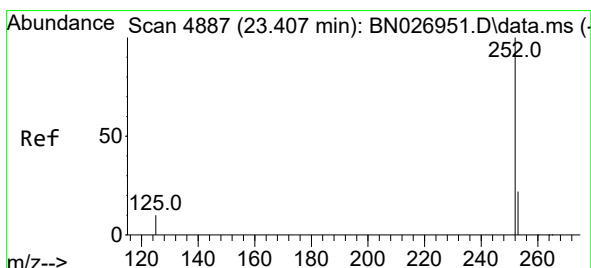
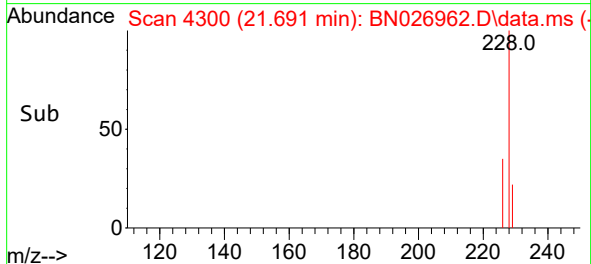
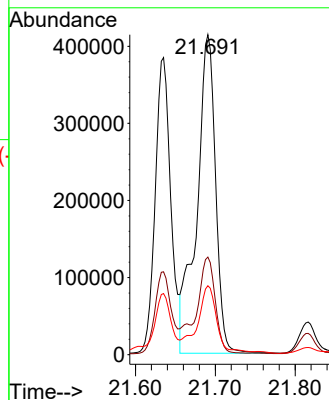
Tgt Ion:228 Resp: 677005

Ion Ratio Lower Upper

228 100

226 30.5 24.6 36.8

229 21.5 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 14.594 ng/ul

RT: 23.407 min Scan# 4887

Delta R.T. -0.000 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

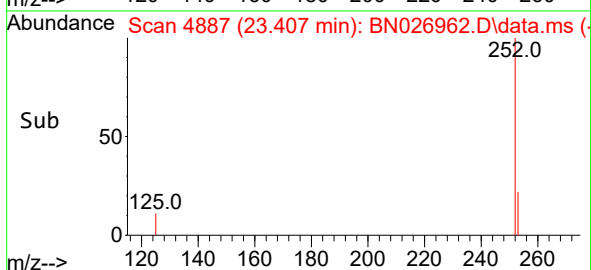
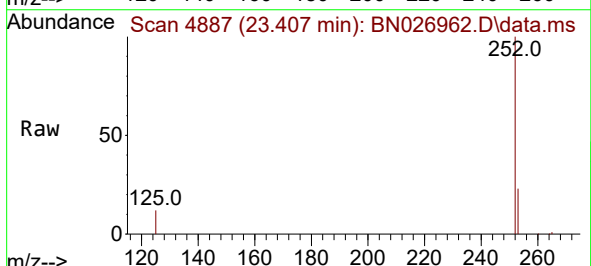
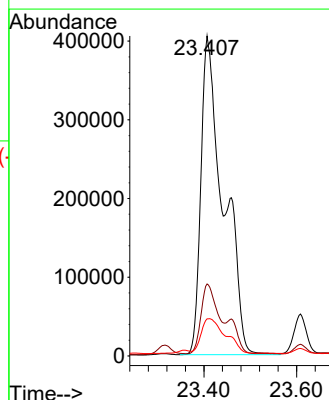
Tgt Ion:252 Resp: 1364656

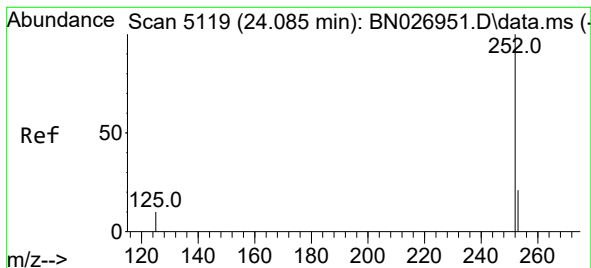
Ion Ratio Lower Upper

252 100

253 22.5 0.0 46.8

125 11.6 0.0 25.2





#26

Benzo(a)pyrene

Concen: 7.130 ng/ul

RT: 24.085 min Scan# 5119

Delta R.T. -0.000 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

Instrument :

BNA_N

ClientSampleId :

A48H1

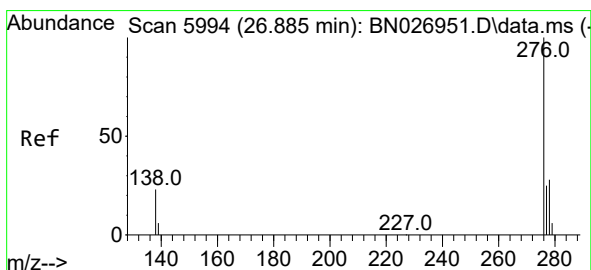
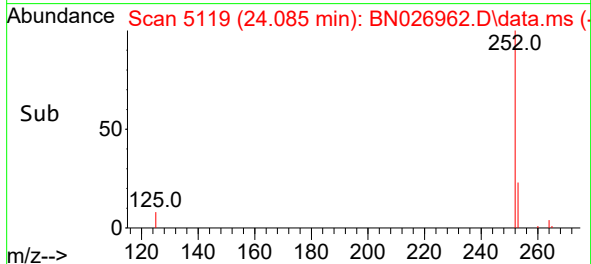
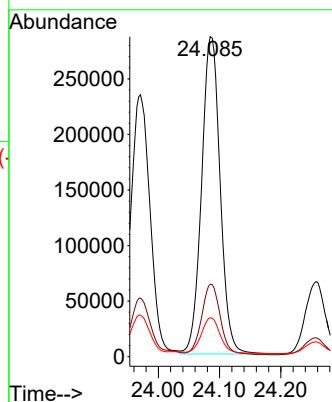
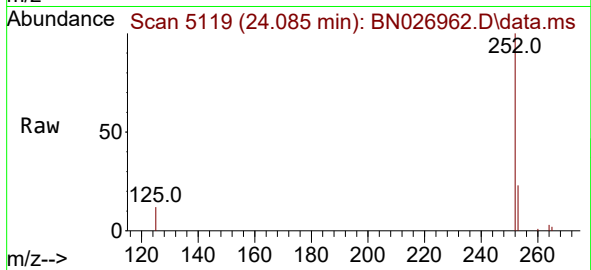
Tgt Ion:252 Resp: 601590

Ion Ratio Lower Upper

252 100

253 22.7 19.0 28.6

125 12.1 11.4 17.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.045 ng/ul

RT: 26.887 min Scan# 5995

Delta R.T. 0.003 min

Lab File: BN026962.D

Acq: 18 Aug 2023 16:46

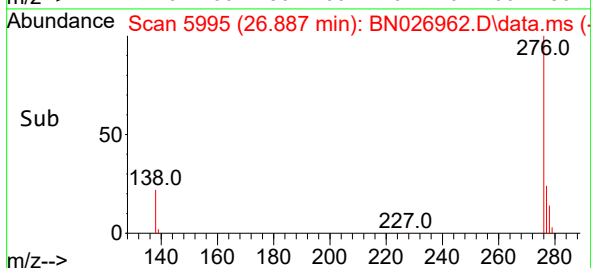
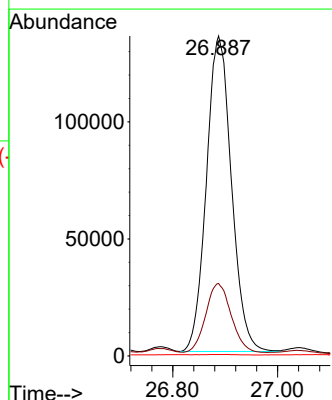
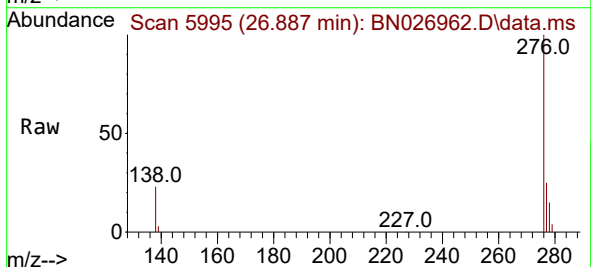
Tgt Ion:276 Resp: 446483

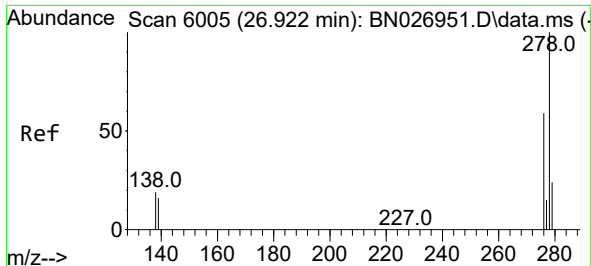
Ion Ratio Lower Upper

276 100

138 22.0 21.6 32.4

227 0.2 0.0 0.0#

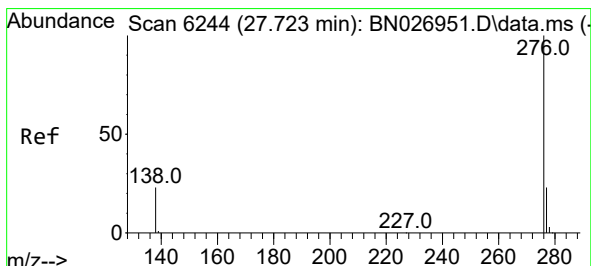
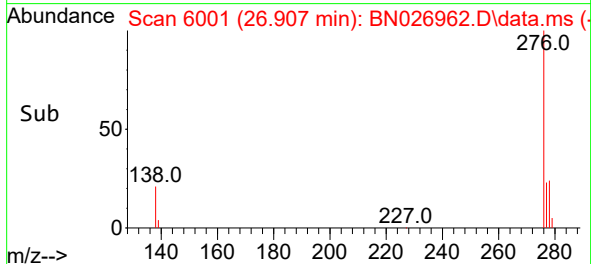
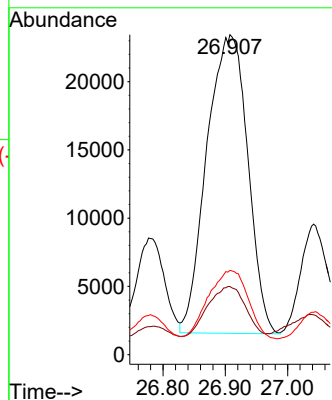
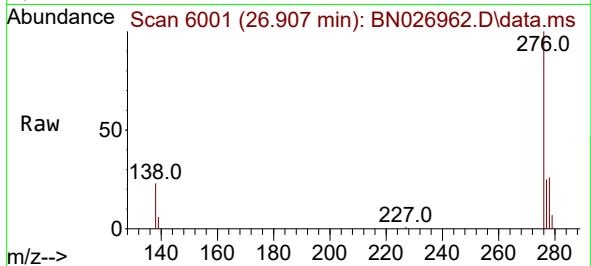




#28
Dibenzo(a,h)anthracene
Concen: 1.134 ng/ul
RT: 26.907 min Scan# 6001
Delta R.T. -0.014 min
Lab File: BN026962.D
Acq: 18 Aug 2023 16:46

Instrument :
BNA_N
ClientSampleId :
A48H1

Tgt Ion:278 Resp: 99756
Ion Ratio Lower Upper
278 100
139 21.3 15.7 23.5
279 26.3 20.2 30.4



#29
Benzo(g,h,i)perylene
Concen: 4.418 ng/ul
RT: 27.729 min Scan# 6246
Delta R.T. 0.006 min
Lab File: BN026962.D
Acq: 18 Aug 2023 16:46

Tgt Ion:276 Resp: 406058
Ion Ratio Lower Upper
276 100
138 23.3 19.3 28.9
277 24.2 19.8 29.8

