

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050223\
 Data File : BN025223.D
 Acq On : 02 May 2023 16:48
 Operator : CG/JU
 Sample : 02419-23DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW920DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/03/2023

Quant Time: May 03 02:30:00 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 16:21:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	7273	0.400	ng/ul	0.00
4) Naphthalene-d8	10.726	136	27290	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.562	164	17484	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.310	188	38238	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.506	240	32810	0.400	ng/ul	# 0.00
23) Perylene-d12	23.941	264	31392	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	5395	0.716	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.315	152	1952	0.056	ng/ul	0.00
18) Fluoranthene-d10	19.341	212	5186	0.060	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.776	128	1851	0.026	ng/ul#	82
7) 2-Methylnaphthalene	12.387	142	2071	0.048	ng/ul	95
8) 1-Methylnaphthalene	12.607	142	1387	0.030	ng/ul	97
10) Acenaphthylene	14.284	152	6881	0.106	ng/ul#	73
11) Acenaphthene	14.622	153	1303	0.024	ng/ul#	84
12) Fluorene	15.612	166	2074	0.034	ng/ul#	45
15) Phenanthrene	17.352	178	56012	0.519	ng/ul#	89
16) Anthracene	17.445	178	13280	0.150	ng/ul#	50
19) Fluoranthene	19.369	202	132779	1.119	ng/ul#	95
20) Pyrene	19.736	202	138392	1.135	ng/ul	97
21) Benzo(a)anthracene	21.489	228	59059	0.597	ng/ul#	79
22) Chrysene	21.541	228	77394	0.718	ng/ul#	82
24) Benzo(b)fluoranthene	23.196	252	78693m	0.618	ng/ul	
25) Benzo(k)fluoranthene	23.240	252	27005m	0.220	ng/ul	
26) Benzo(a)pyrene	23.830	252	46700	0.443	ng/ul#	25
27) Indeno(1,2,3-cd)pyrene	26.458	276	32058	0.264	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.458	278	8206	0.087	ng/ul#	1
29) Benzo(g,h,i)perylene	27.232	276	26316	0.255	ng/ul#	75

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

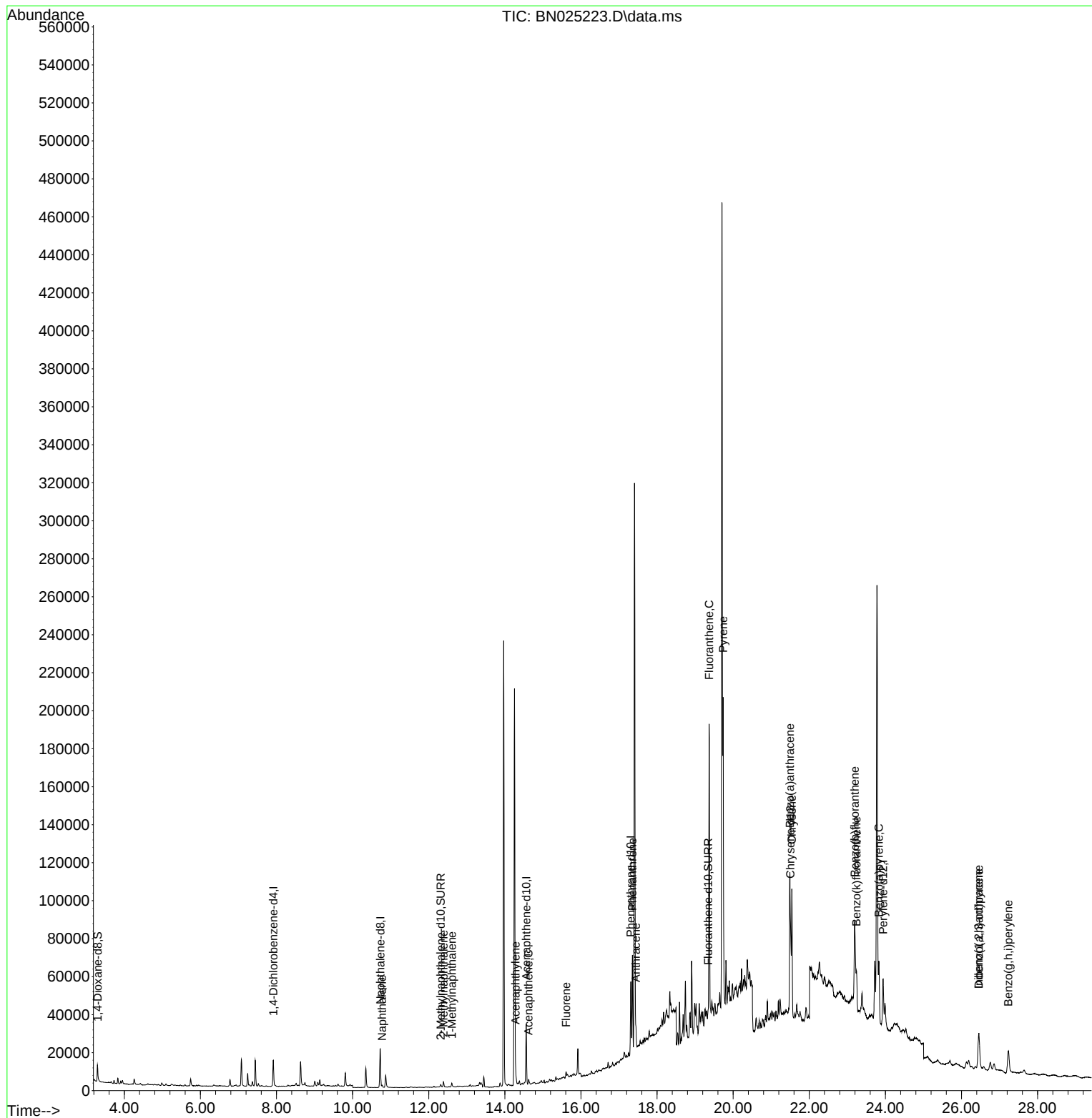
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050223\
Data File : BN025223.D
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ALS Vial : 11 Sample Multiplier: 1

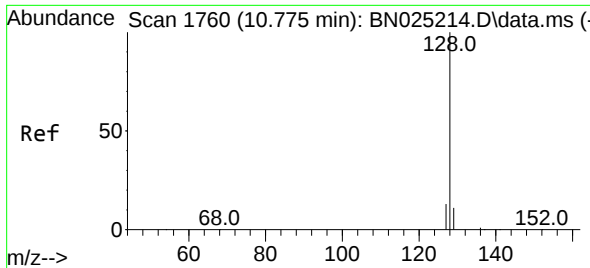
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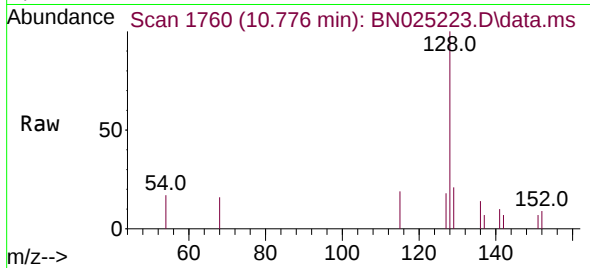
Quant Time: May 03 02:30:00 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 02 16:21:17 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.026 ng/ul
RT: 10.776 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48

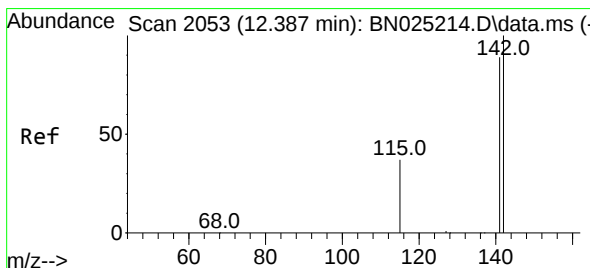
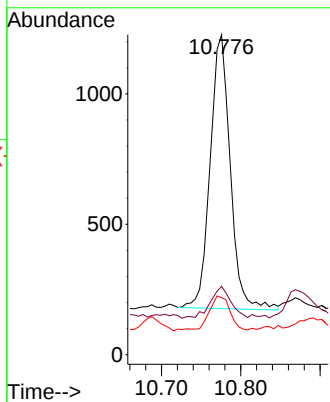
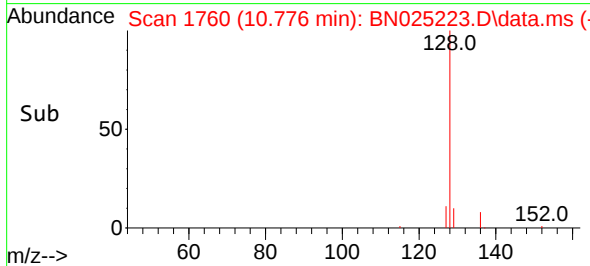
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BNA_N
ClientSampleId :
EW920DL



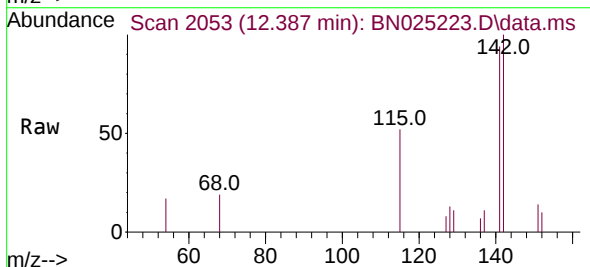
Tgt Ion:128 Resp: 185
Ion Ratio Lower Upper
128 100
129 21.4 9.0 13.6
127 17.8 10.7 16.1

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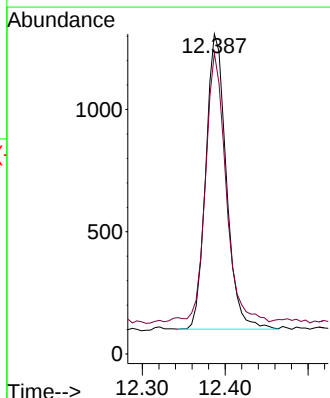
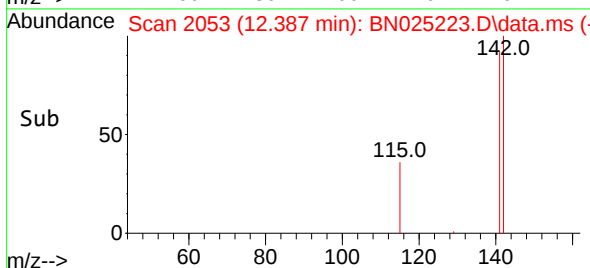
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

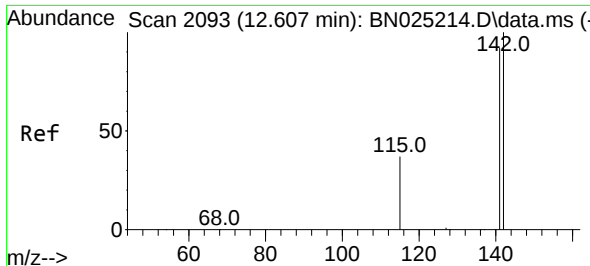


#7
2-Methylnaphthalene
Concen: 0.048 ng/ul
RT: 12.387 min Scan# 2053
Delta R.T. 0.000 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48



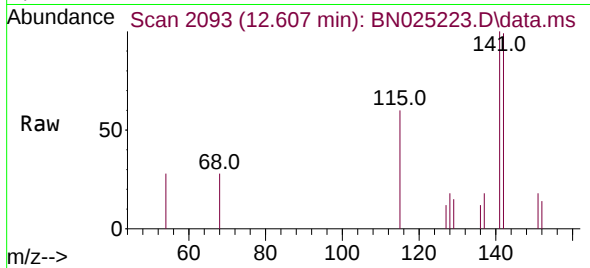
Tgt Ion:142 Resp: 2071
Ion Ratio Lower Upper
142 100
141 94.0 71.4 107.0





#8
1-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.607 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48

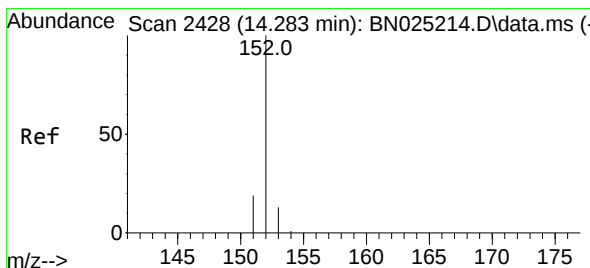
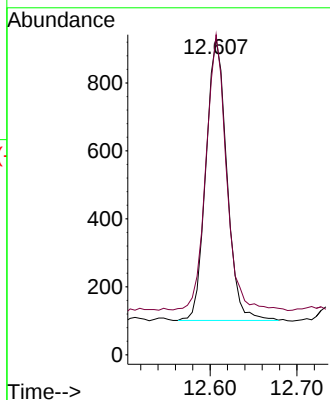
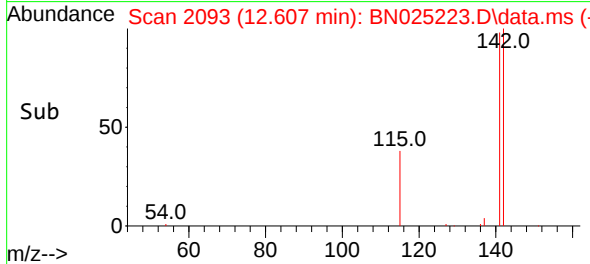
Instrument :
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Tgt Ion:142 Resp: 138
Ion Ratio Lower Upper
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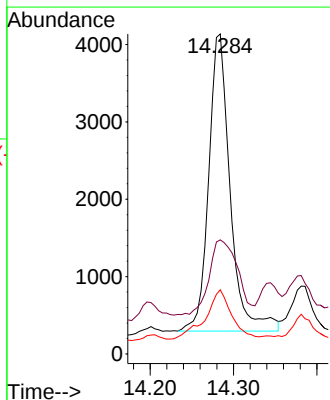
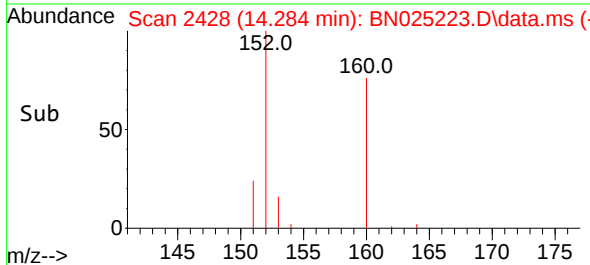
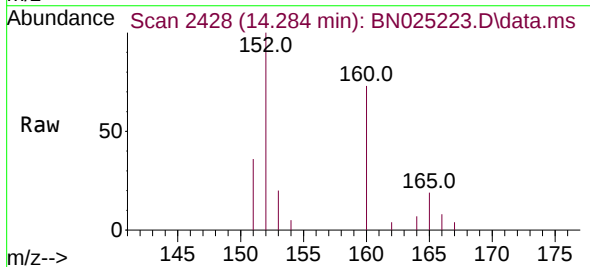
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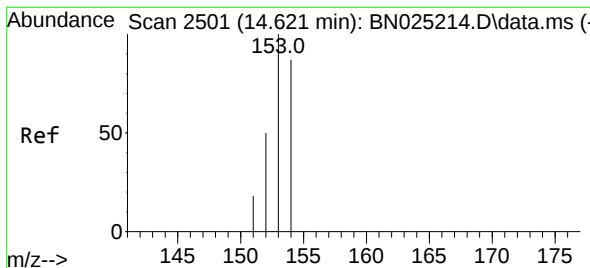
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#10
Acenaphthylene
Concen: 0.106 ng/ul
RT: 14.284 min Scan# 2428
Delta R.T. 0.001 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48

Tgt Ion:152 Resp: 6881
Ion Ratio Lower Upper
152 100
151 35.6 16.0 24.0#
153 20.1 10.8 16.2#





#11

Acenaphthene

Concen: 0.024 ng/u1

RT: 14.622 min Scan# 2501

Delta R.T. 0.001 min

Lab File: BN025223.D

Acq: 02 May 2023 16:48

Instrument :

BNA_N

ClientSampleId :

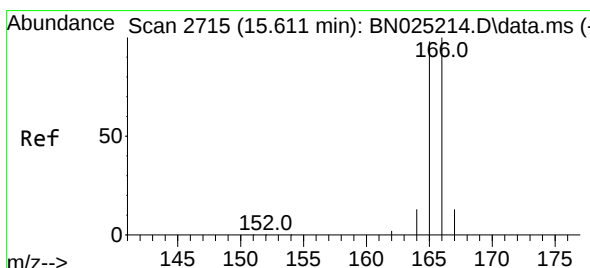
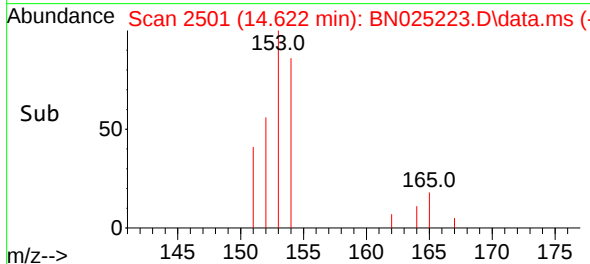
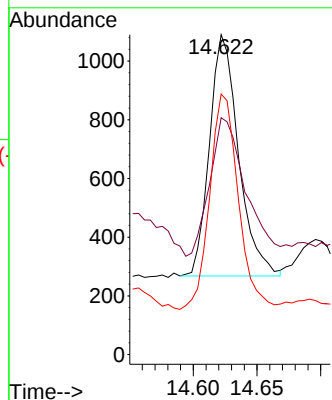
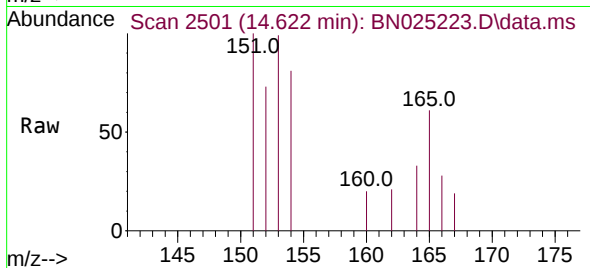
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Tgt Ion:	153	Resp:	130
Ion Ratio	Lower	Upper	
153	100		
152	74.0	40.2	60.4
154	81.5	69.4	104.2

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#12

Fluorene

Concen: 0.034 ng/u1

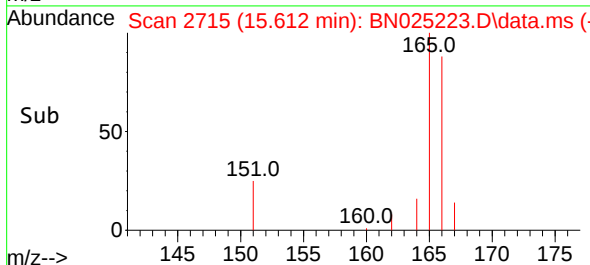
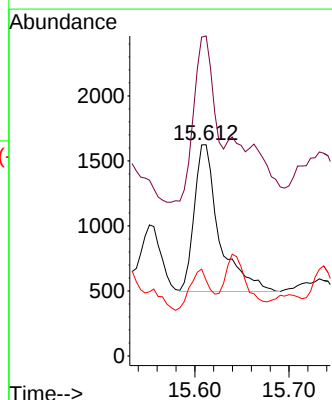
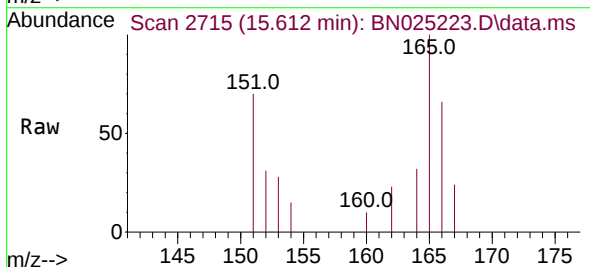
RT: 15.612 min Scan# 2715

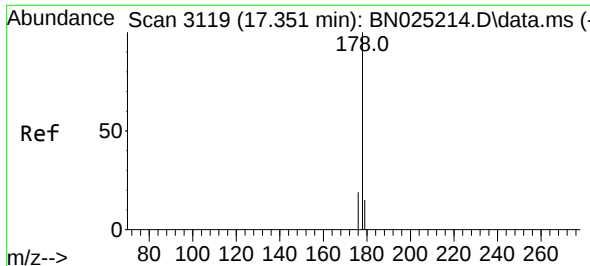
Delta R.T. 0.001 min

Lab File: BN025223.D

Acq: 02 May 2023 16:48

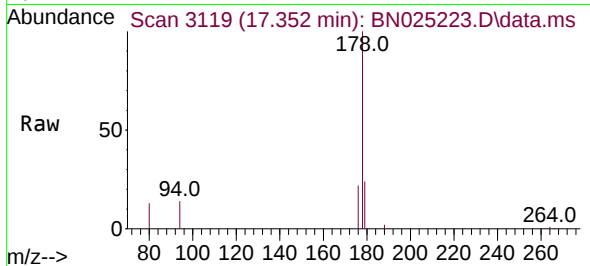
Tgt Ion:	166	Resp:	2074
Ion Ratio	Lower	Upper	
166	100		
165	151.5	78.1	117.1
167	35.8	11.0	16.6





#15
Phenanthrene
Concen: 0.519 ng/ul
RT: 17.352 min Scan# 3119
Delta R.T. 0.001 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48

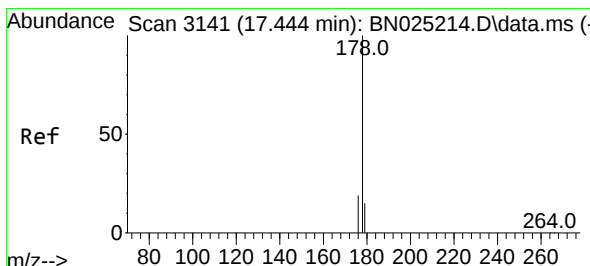
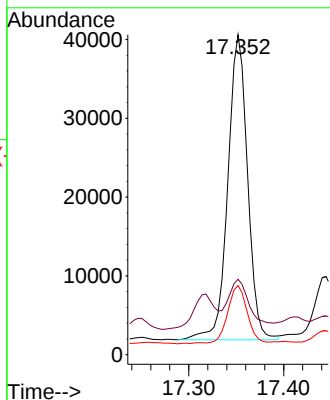
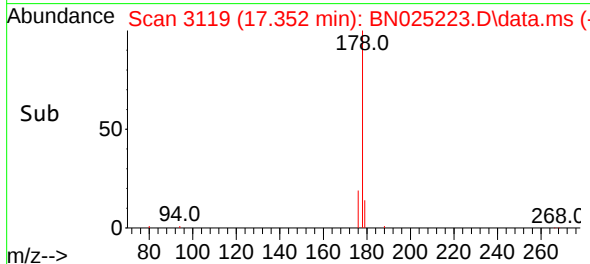
Instrument :
BNA_N
ClientSampleId :
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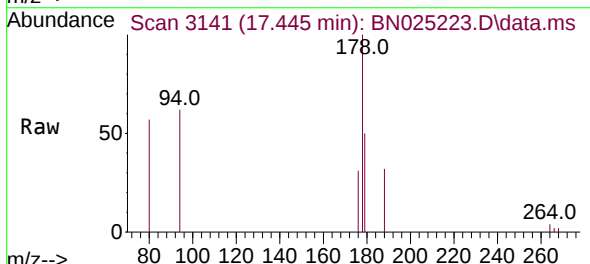
Tgt Ion:178 Resp: 56012
Ion Ratio Lower Upper
178 100
179 23.5 12.5 18.7#
176 21.6 15.6 23.4#

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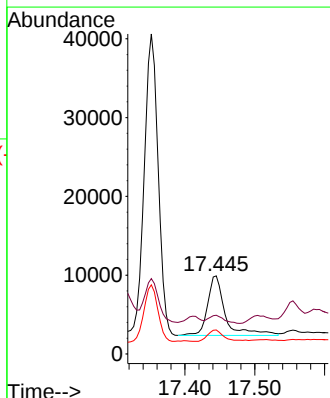
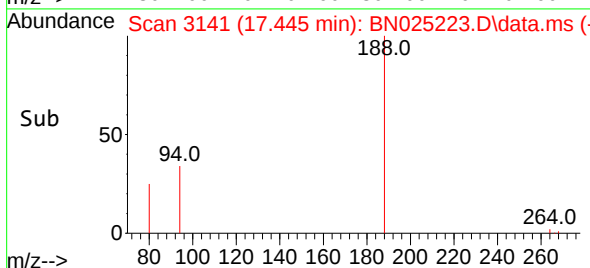
Reviewed By :Christian Giraldo 05/03/2023
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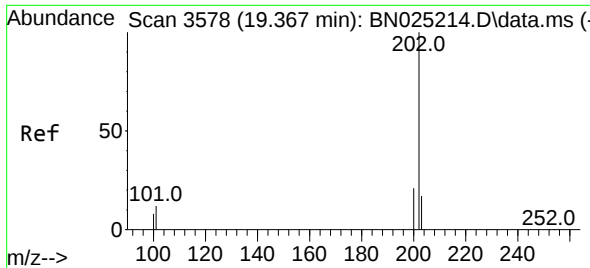


#16
Anthracene
Concen: 0.150 ng/ul
RT: 17.445 min Scan# 3141
Delta R.T. 0.001 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48



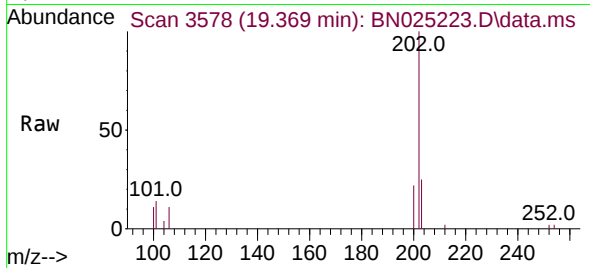
Tgt Ion:178 Resp: 13280
Ion Ratio Lower Upper
178 100
179 49.6 12.7 19.1#
176 30.8 15.3 22.9#





#19
Fluoranthene
Concen: 1.119 ng/u1
RT: 19.369 min Scan# 3578
Delta R.T. 0.001 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48

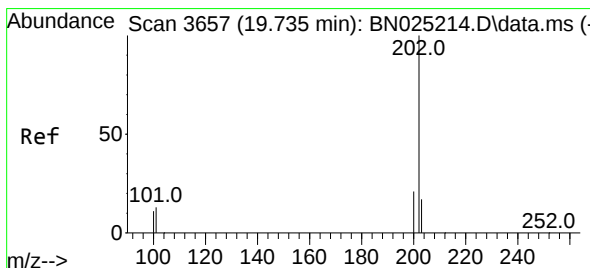
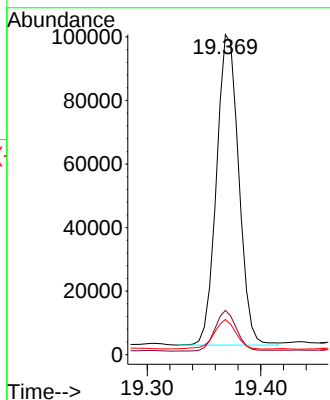
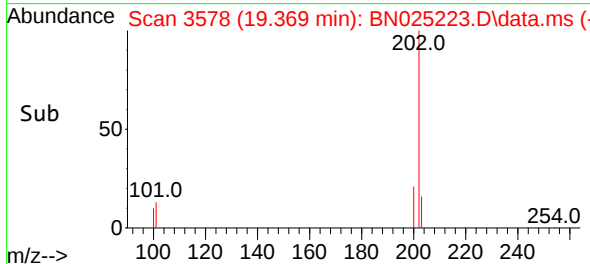
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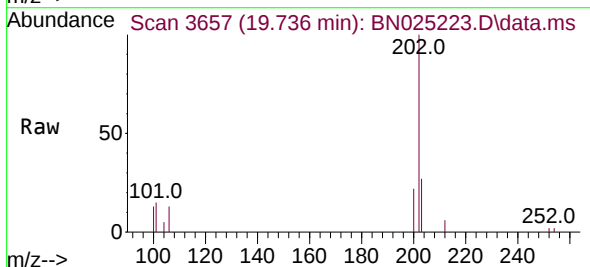
Tgt Ion:202 Resp: 132779
Ion Ratio Lower Upper
202 100
101 13.9 9.7 14.5
100 11.0 7.3 10.9

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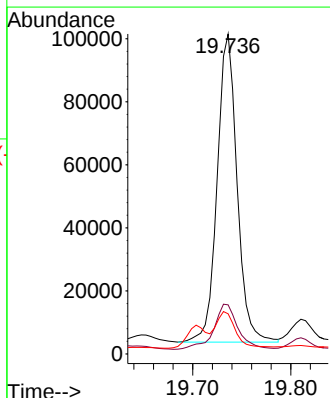
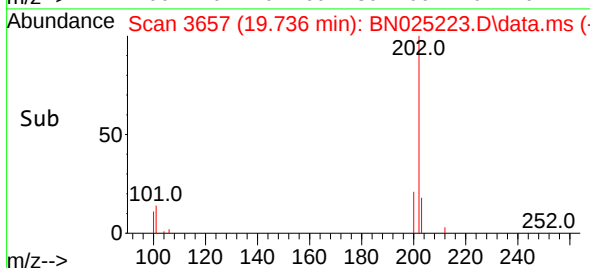
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

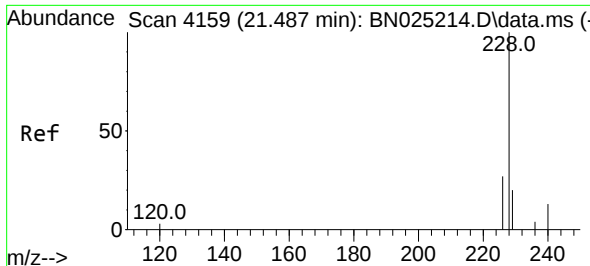


#20
Pyrene
Concen: 1.135 ng/u1
RT: 19.736 min Scan# 3657
Delta R.T. 0.001 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48



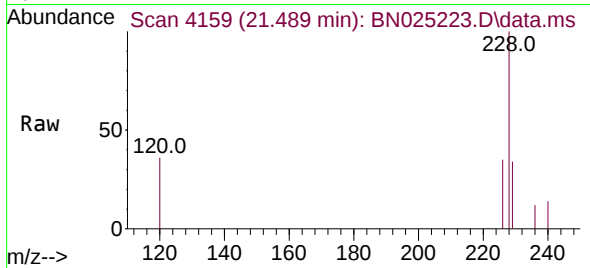
Tgt Ion:202 Resp: 138392
Ion Ratio Lower Upper
202 100
101 15.3 11.3 16.9
100 12.6 9.2 13.8





#21
Benzo(a)anthracene
Concen: 0.597 ng/ul
RT: 21.489 min Scan# 4159
Delta R.T. 0.001 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48

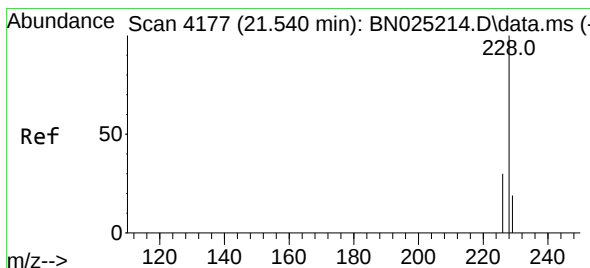
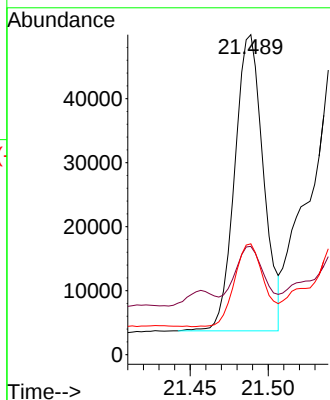
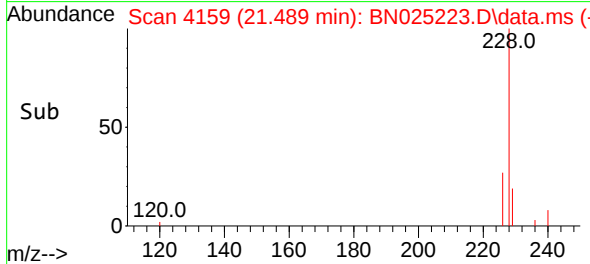
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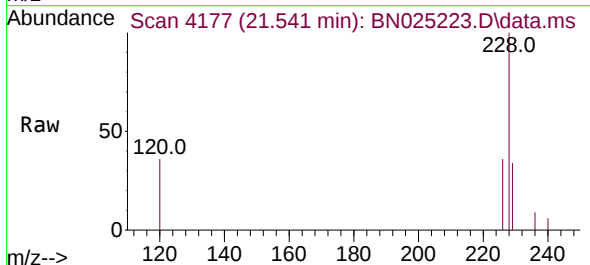
Tgt Ion:228 Resp: 59059
Ion Ratio Lower Upper
228 100
229 33.8 15.6 23.4
226 34.7 22.1 33.1

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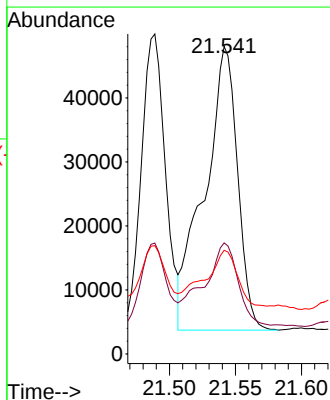
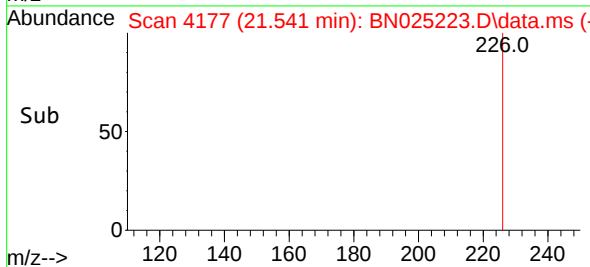
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

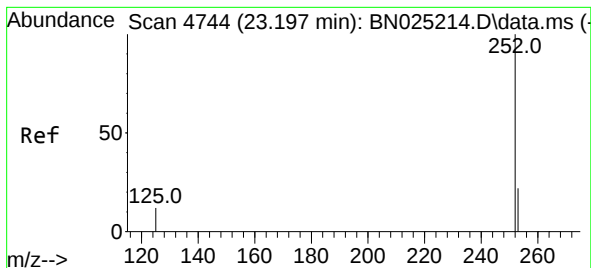


#22
Chrysene
Concen: 0.718 ng/ul
RT: 21.541 min Scan# 4177
Delta R.T. 0.001 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48



Tgt Ion:228 Resp: 77394
Ion Ratio Lower Upper
228 100
226 36.1 24.5 36.7
229 33.7 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 0.618 ng/ul m

RT: 23.196 min Scan# 4743

Delta R.T. -0.001 min

Lab File: BN025223.D

Acq: 02 May 2023 16:48

Instrument :

BNA_N

ClientSampleId :

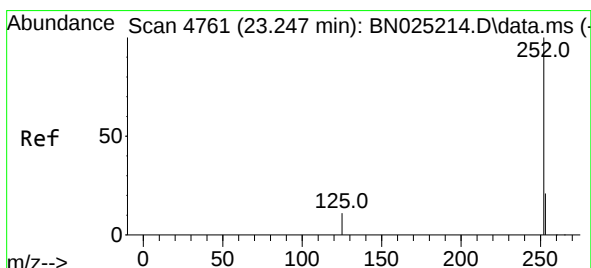
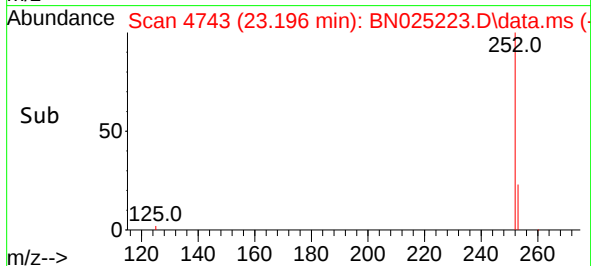
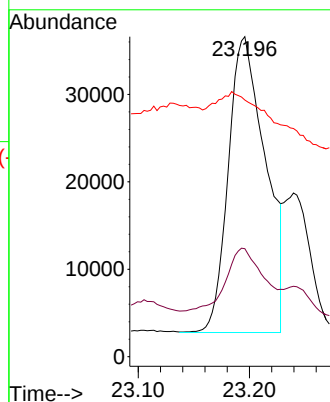
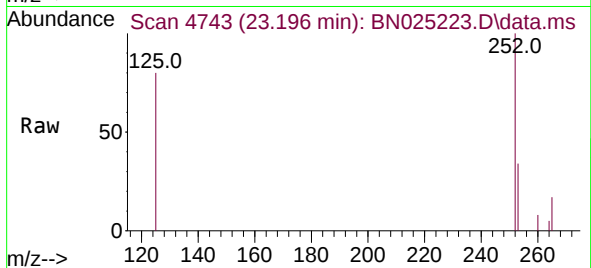
EW920DL

Tgt Ion:252	Resp:	7869
Ion Ratio	Lower	Upper
252	100	
253	33.8	0.0 50.2
125	80.2	0.0 30.4

Manual Integrations

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#25

Benzo(k)fluoranthene

Concen: 0.220 ng/ul m

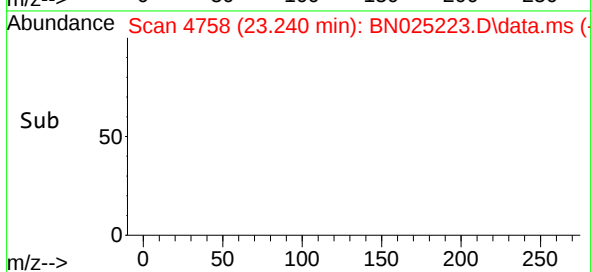
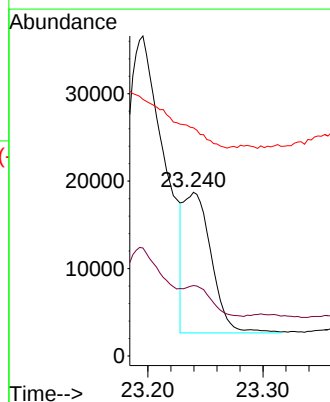
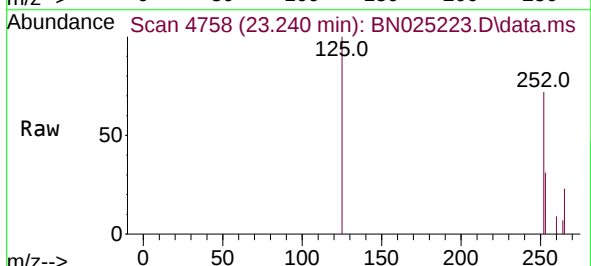
RT: 23.240 min Scan# 4758

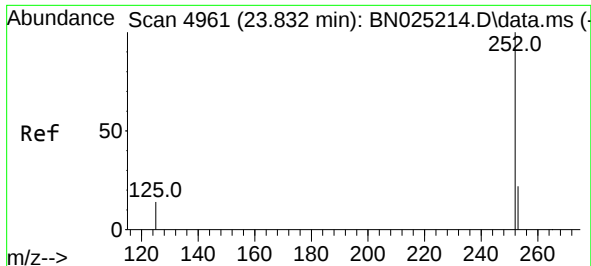
Delta R.T. -0.007 min

Lab File: BN025223.D

Acq: 02 May 2023 16:48

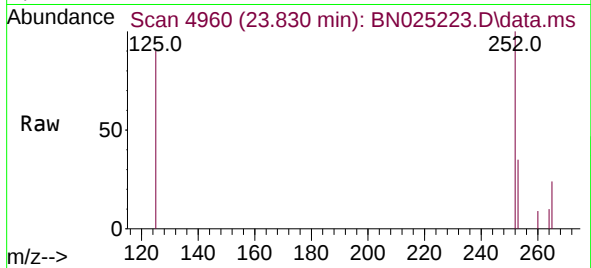
Tgt Ion:252	Resp:	27005
Ion Ratio	Lower	Upper
252	100	
253	43.0	20.2 30.4#
125	139.3	11.8 17.8#





#26
Benzo(a)pyrene
Concen: 0.443 ng/ul
RT: 23.830 min Scan# 4961
Delta R.T. -0.001 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48

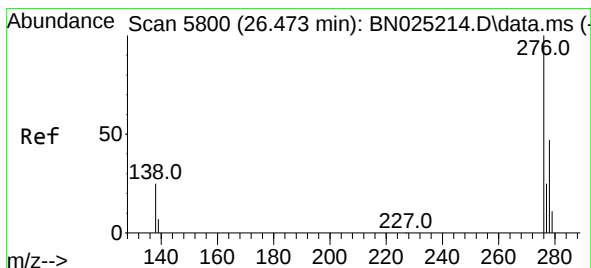
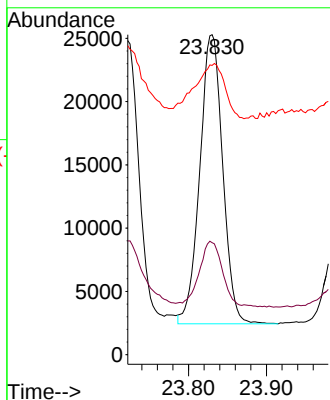
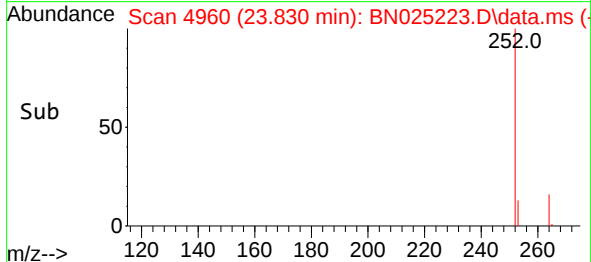
Instrument :
BNA_N
ClientSampleId :
EW920DL



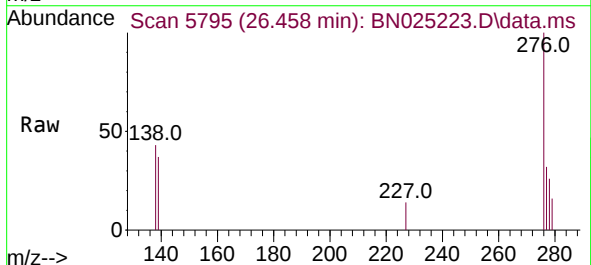
Tgt Ion:252 Resp: 46700
Ion Ratio Lower Upper
252 100
253 35.0 21.4 32.2
125 90.4 14.6 22.0

Manual Integrations
APPROVED

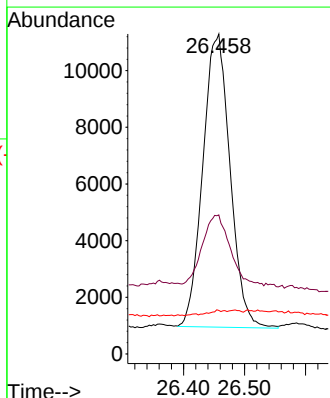
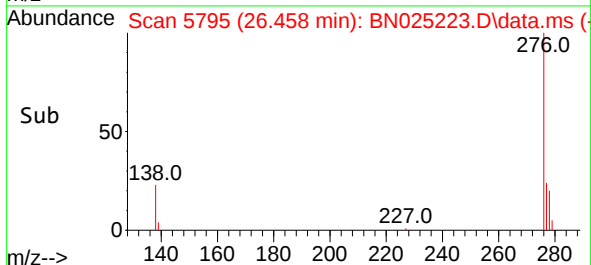
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

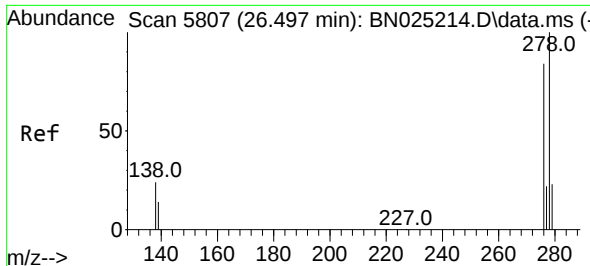


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.264 ng/ul
RT: 26.458 min Scan# 5795
Delta R.T. -0.015 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48



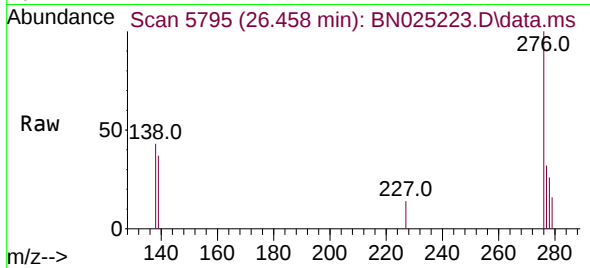
Tgt Ion:276 Resp: 32058
Ion Ratio Lower Upper
276 100
138 28.5 21.9 32.9
227 2.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.087 ng/ul
RT: 26.458 min Scan# 51
Delta R.T. -0.039 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48

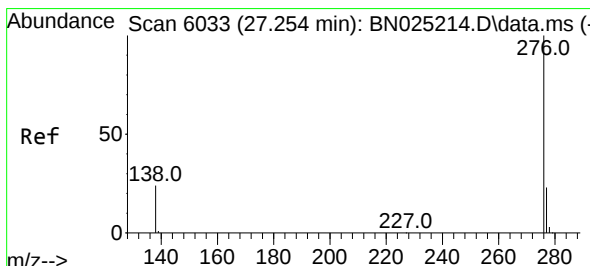
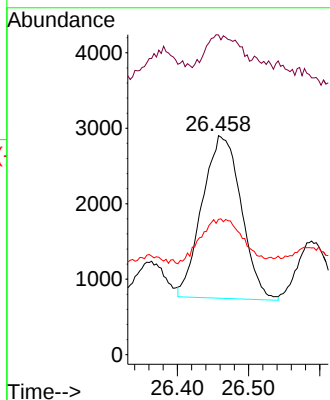
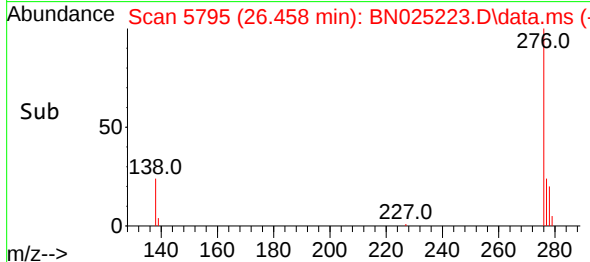
Instrument :
BNA_N
ClientSampleId :
EW920DL



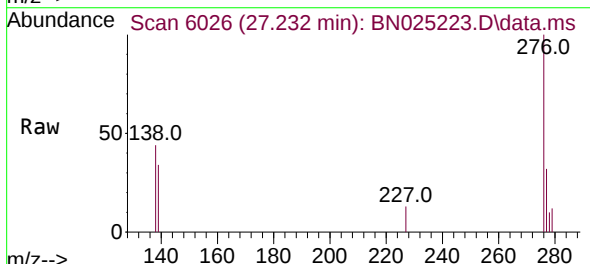
Tgt Ion:278 Resp: 8200
Ion Ratio Lower Upper
278 100
139 145.9 17.0 25.6#
279 61.8 21.8 32.8#

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#29
Benzo(g,h,i)perylene
Concen: 0.255 ng/ul
RT: 27.232 min Scan# 6026
Delta R.T. -0.022 min
Lab File: BN025223.D
Acq: 02 May 2023 16:48



Tgt Ion:276 Resp: 26316
Ion Ratio Lower Upper
276 100
138 43.6 20.3 30.5#
277 31.5 19.8 29.6#

