

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050223\
 Data File : BN025224.D
 Acq On : 02 May 2023 17:24
 Operator : CG/JU
 Sample : 02419-27DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW924DL

Manual Integrations
 APPROVED

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

Quant Time: May 03 02:30:10 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	8931	0.400	ng/ul	0.00
4) Naphthalene-d8	10.726	136	29090	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.561	164	18216	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.309	188	43456	0.400	ng/ul	0.00
17) Chrysene-d12	21.505	240	35828	0.400	ng/ul	# 0.00
23) Perylene-d12	23.949	264	35004	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	3676	0.398	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.315	152	1259	0.034	ng/ul	0.00
18) Fluoranthene-d10	19.340	212	3219	0.034	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.776	128	7491	0.100	ng/ul#	96
7) 2-Methylnaphthalene	12.387	142	6028	0.132	ng/ul	100
8) 1-Methylnaphthalene	12.607	142	4075	0.084	ng/ul	98
10) Acenaphthylene	14.283	152	14876	0.219	ng/ul	97
11) Acenaphthene	14.621	153	4369	0.076	ng/ul	99
12) Fluorene	15.611	166	7213	0.113	ng/ul#	95
15) Phenanthrene	17.351	178	142160	1.159	ng/ul	99
16) Anthracene	17.440	178	31450	0.313	ng/ul	97
19) Fluoranthene	19.368	202	394166	3.042	ng/ul	99
20) Pyrene	19.735	202	384197	2.886	ng/ul	98
21) Benzo(a)anthracene	21.488	228	205646	1.905	ng/ul	97
22) Chrysene	21.541	228	223060	1.894	ng/ul	98
24) Benzo(b)fluoranthene	23.201	252	324260m	2.283	ng/ul	
25) Benzo(k)fluoranthene	23.242	252	116768m	0.855	ng/ul	
26) Benzo(a)pyrene	23.841	252	205795	1.751	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.497	276	150710	1.113	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.511	278	36603	0.346	ng/ul#	81
29) Benzo(g,h,i)perylene	27.285	276	154779	1.345	ng/ul	97

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

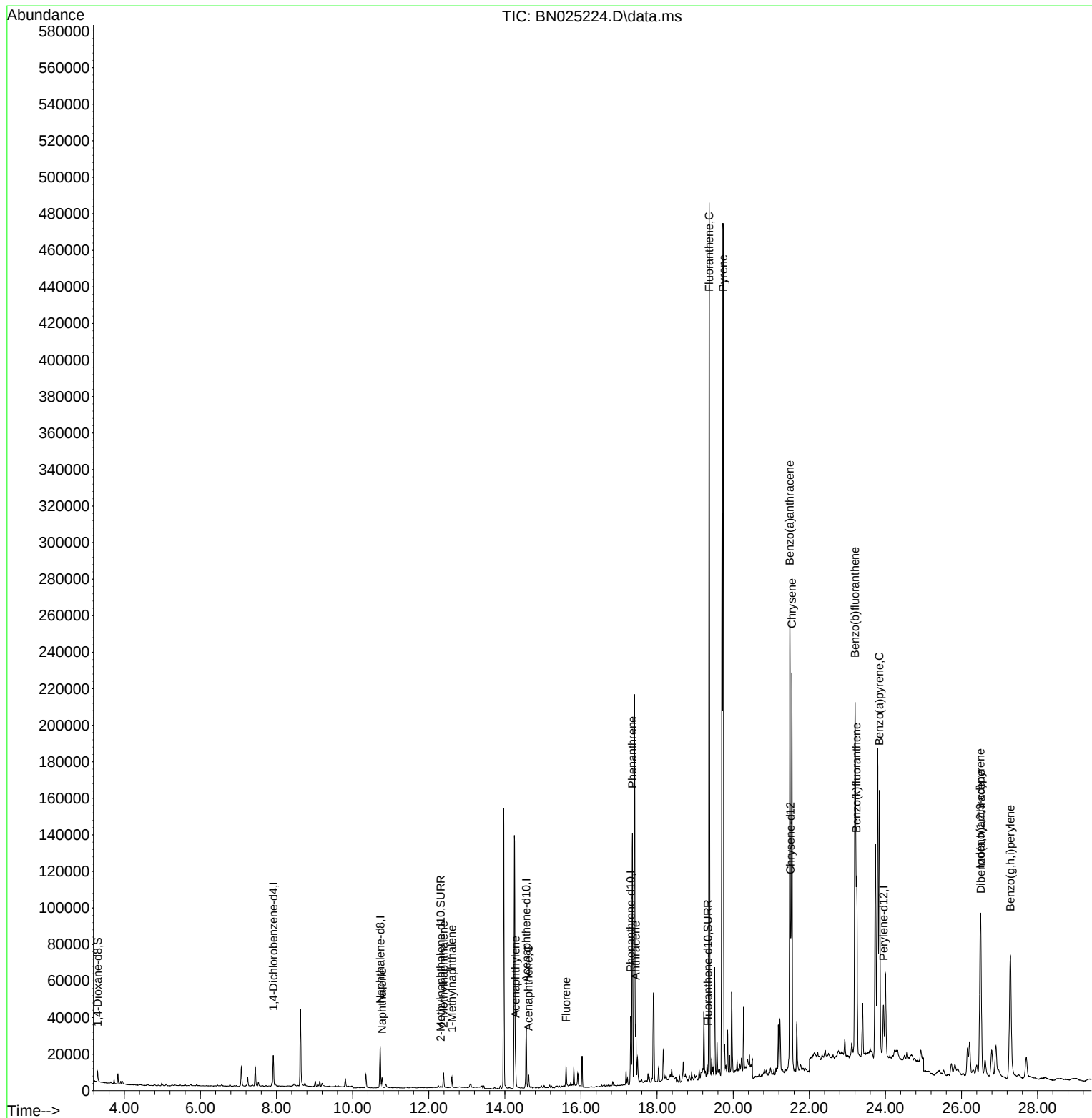
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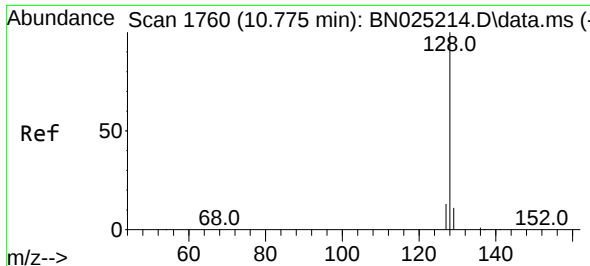
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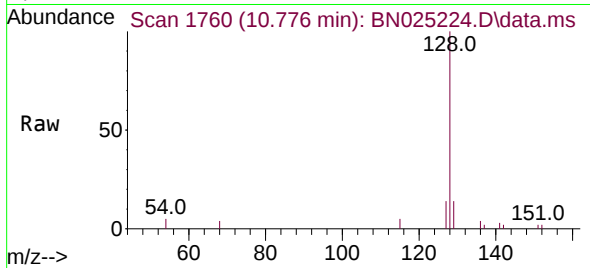
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023





#5
Naphthalene
Concen: 0.100 ng/ul
RT: 10.776 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

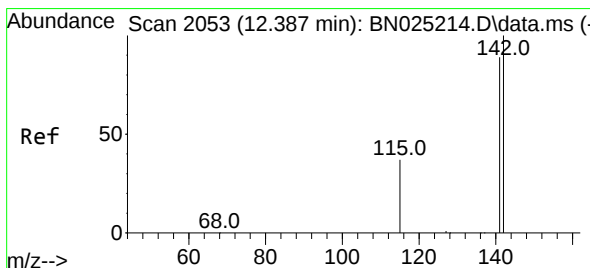
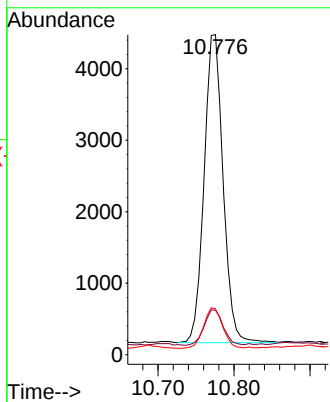
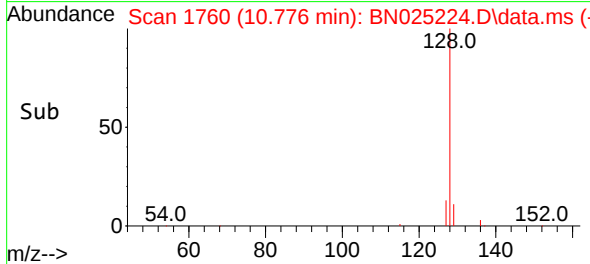
Instrument :
BNA_N
ClientSampleId :
EW924DL



Tgt Ion:128 Resp: 749
Ion Ratio Lower Upper
128 100
129 13.9 9.0 13.6
127 14.3 10.7 16.1

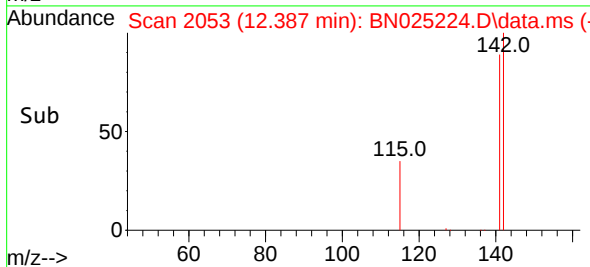
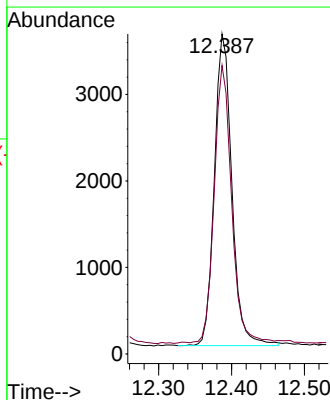
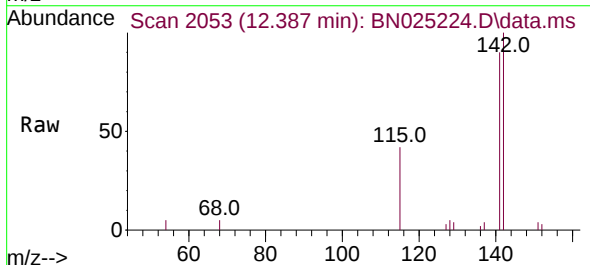
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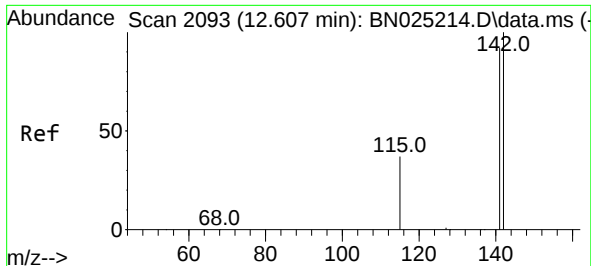
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#7
2-Methylnaphthalene
Concen: 0.132 ng/ul
RT: 12.387 min Scan# 2053
Delta R.T. 0.000 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

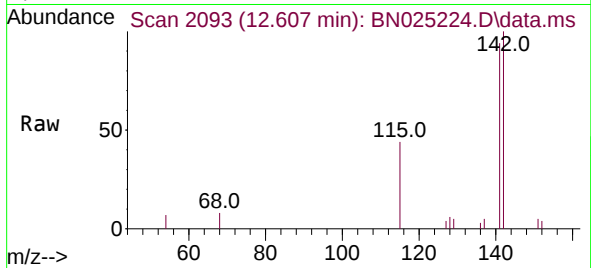
Tgt Ion:142 Resp: 6028
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0





#8
1-Methylnaphthalene
Concen: 0.084 ng/ul
RT: 12.607 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

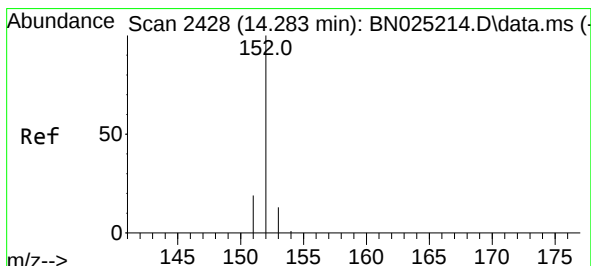
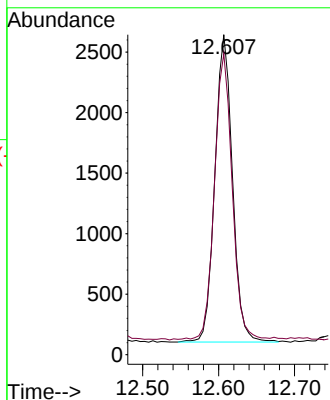
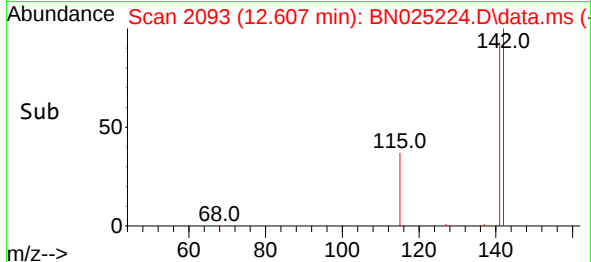
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Tgt Ion:142 Resp: 4075
Ion Ratio Lower Upper
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141 94.5 73.8 110.6

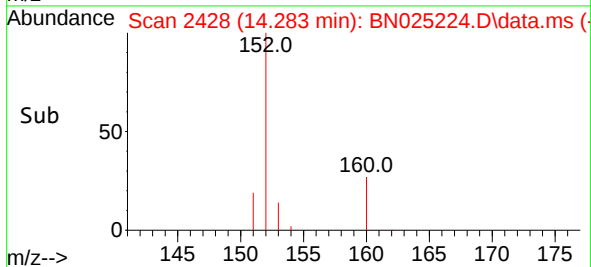
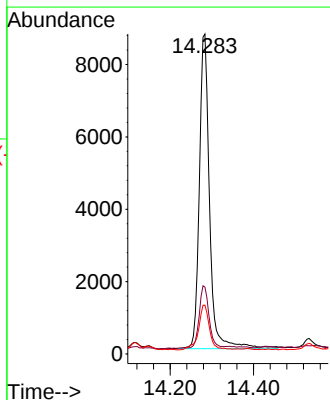
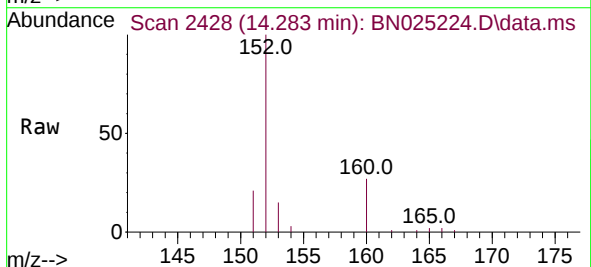
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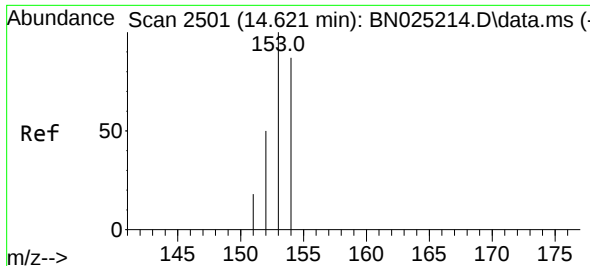
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#10
Acenaphthylene
Concen: 0.219 ng/ul
RT: 14.283 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

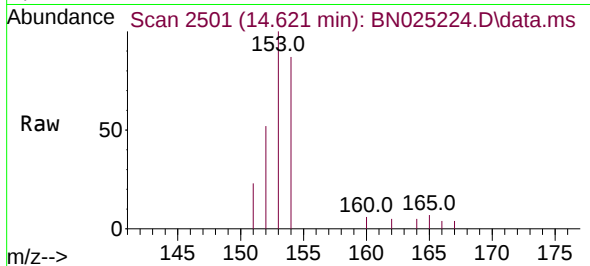
Tgt Ion:152 Resp: 14876
Ion Ratio Lower Upper
152 100
151 20.9 16.0 24.0
153 15.2 10.8 16.2





#11
Acenaphthene
Concen: 0.076 ng/ul
RT: 14.621 min Scan# 2501
Delta R.T. 0.000 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

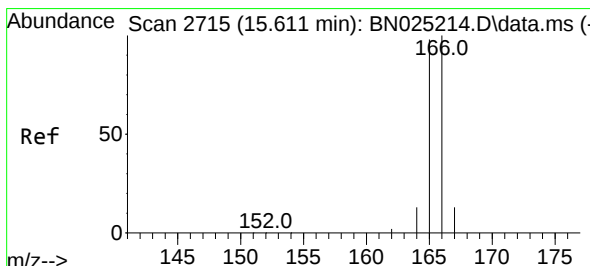
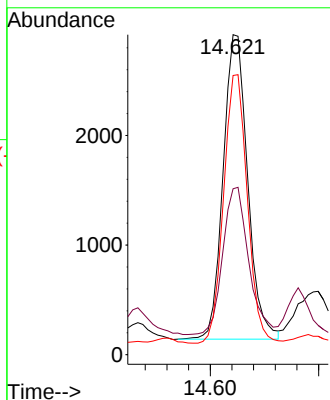
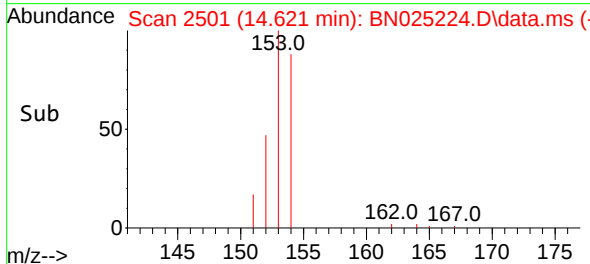
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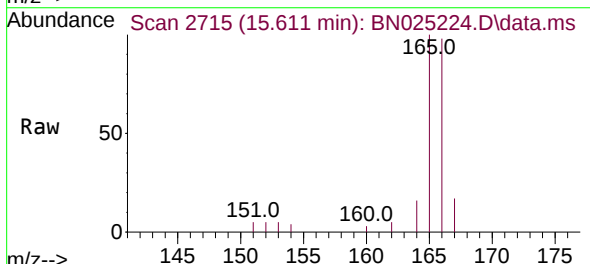
Tgt Ion:153 Resp: 4369
Ion Ratio Lower Upper
153 100
152 51.8 40.2 60.4
154 87.3 69.4 104.2

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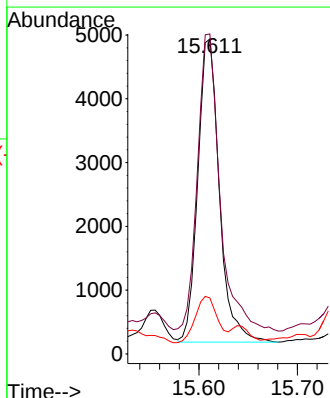
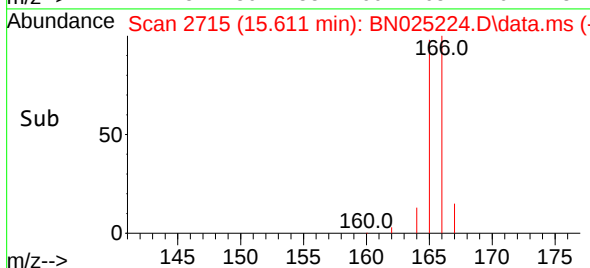
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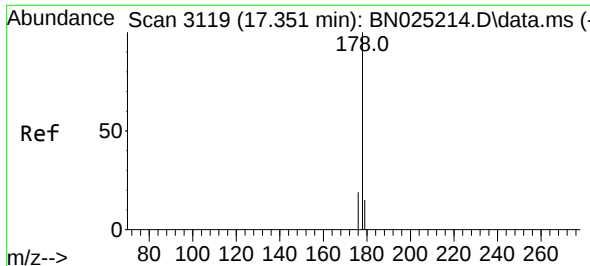


#12
Fluorene
Concen: 0.113 ng/ul
RT: 15.611 min Scan# 2715
Delta R.T. 0.000 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24



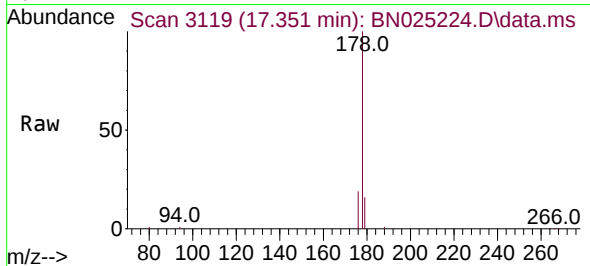
Tgt Ion:166 Resp: 7213
Ion Ratio Lower Upper
166 100
165 101.6 78.1 117.1
167 17.8 11.0 16.6#





#15
Phenanthrene
Concen: 1.159 ng/ul
RT: 17.351 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

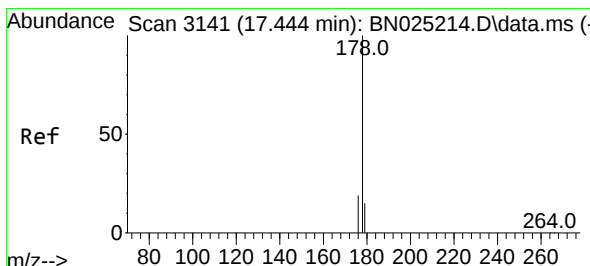
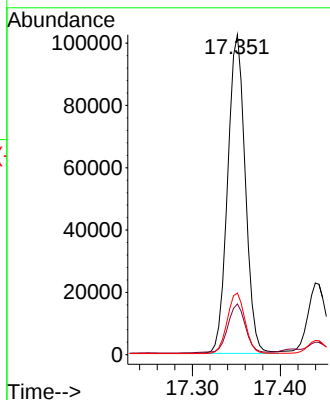
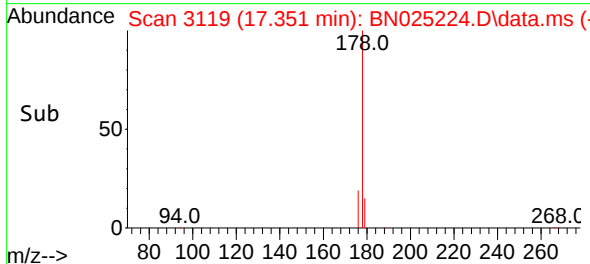
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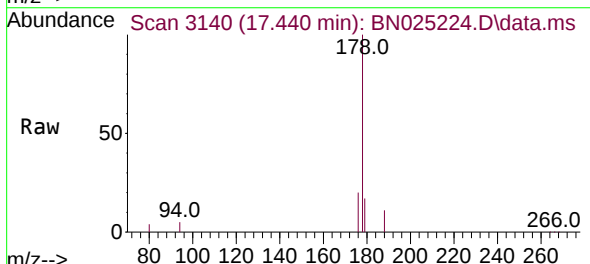
Tgt Ion:178 Resp: 142160
Ion Ratio Lower Upper
178 100
179 15.8 12.5 18.7
176 19.2 15.6 23.4

Manual Integrations
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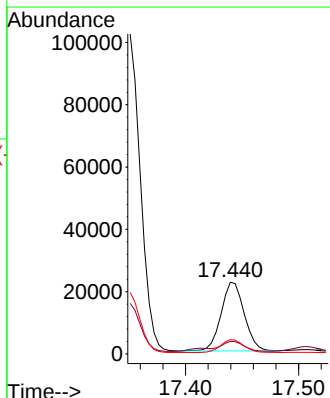
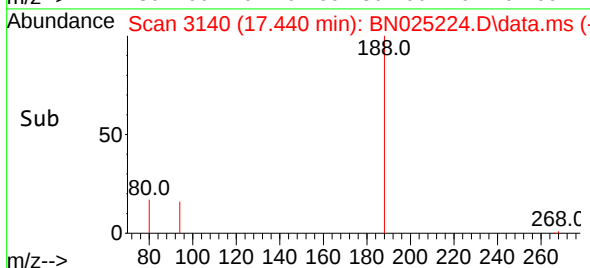
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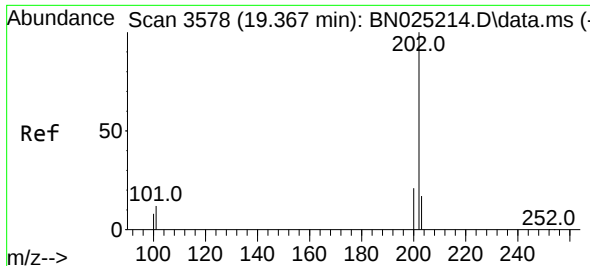


#16
Anthracene
Concen: 0.313 ng/ul
RT: 17.440 min Scan# 3140
Delta R.T. -0.004 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24



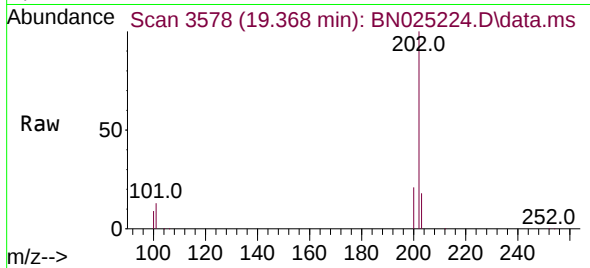
Tgt Ion:178 Resp: 31450
Ion Ratio Lower Upper
178 100
179 17.4 12.7 19.1
176 20.0 15.3 22.9





#19
Fluoranthene
Concen: 3.042 ng/u1
RT: 19.368 min Scan# 3578
Delta R.T. 0.001 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

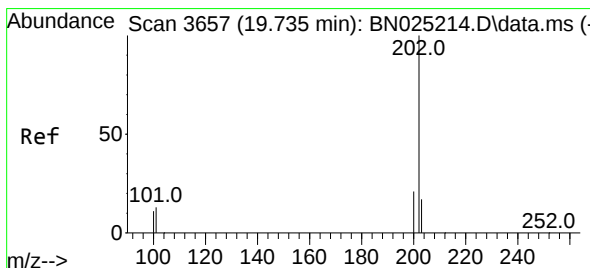
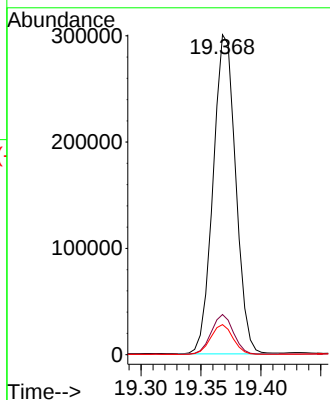
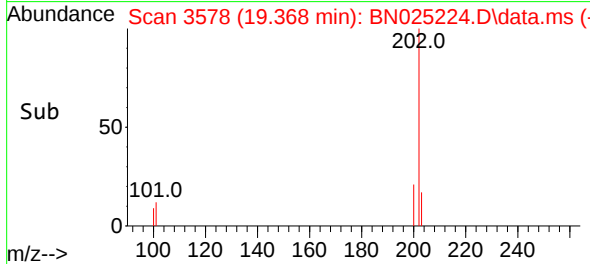
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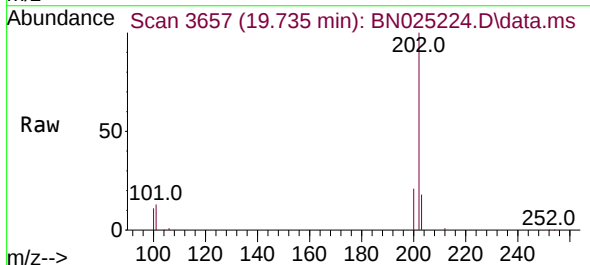
Tgt Ion:202 Resp: 394160
Ion Ratio Lower Upper
202 100
101 12.6 9.7 14.5
100 9.4 7.3 10.9

Manual Integrations
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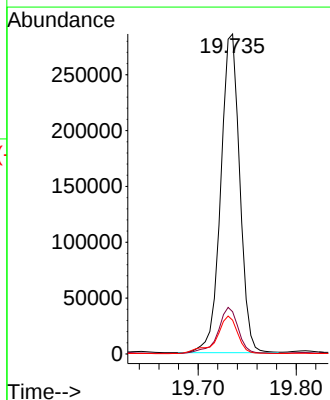
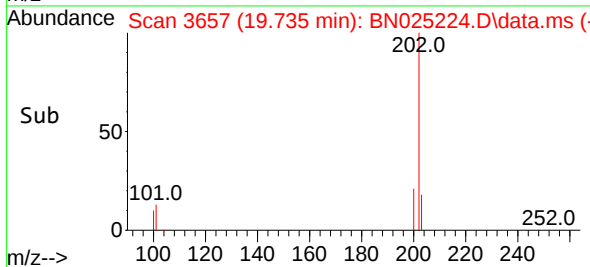
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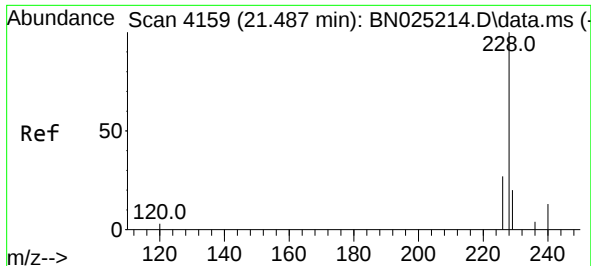


#20
Pyrene
Concen: 2.886 ng/u1
RT: 19.735 min Scan# 3657
Delta R.T. 0.001 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24



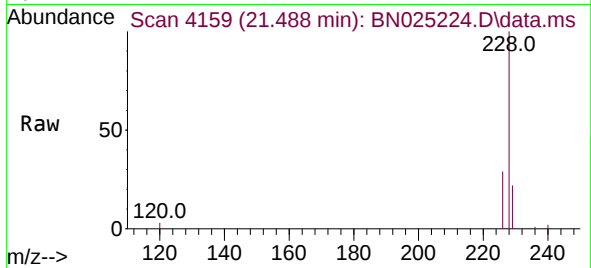
Tgt Ion:202 Resp: 384197
Ion Ratio Lower Upper
202 100
101 13.2 11.3 16.9
100 10.5 9.2 13.8





#21
Benzo(a)anthracene
Concen: 1.905 ng/ul
RT: 21.488 min Scan# 4159
Delta R.T. 0.001 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

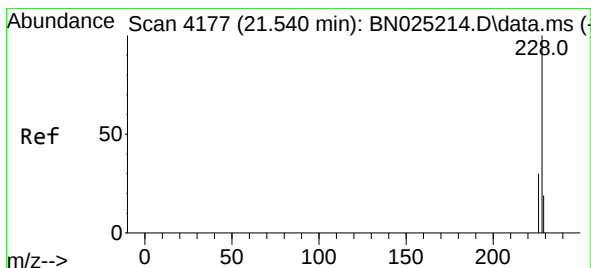
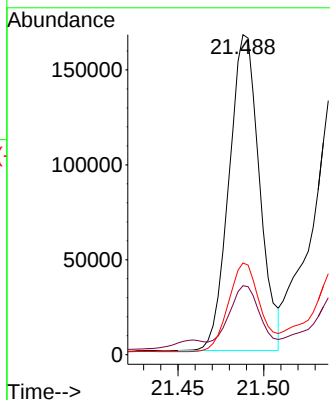
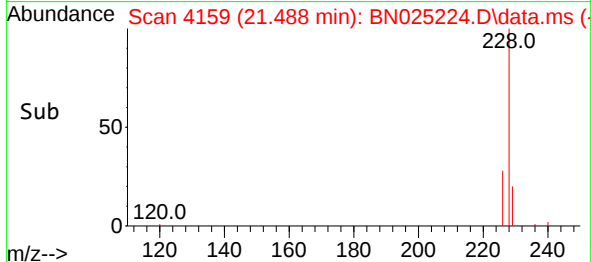
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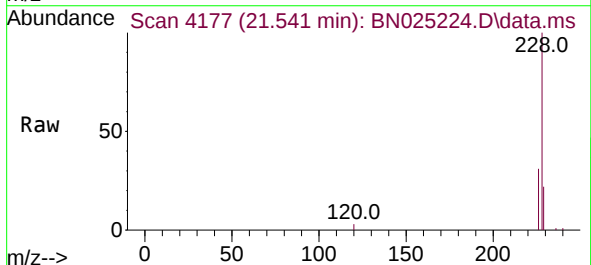
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Ion Ratio Lower Upper
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229 21.6 15.6 23.4
226 28.7 22.1 33.1

Manual Integrations
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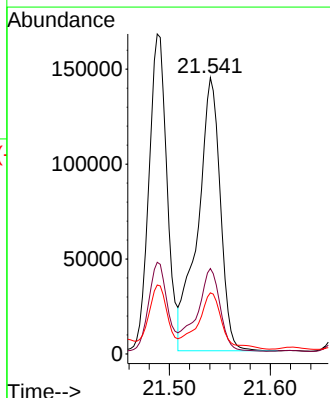
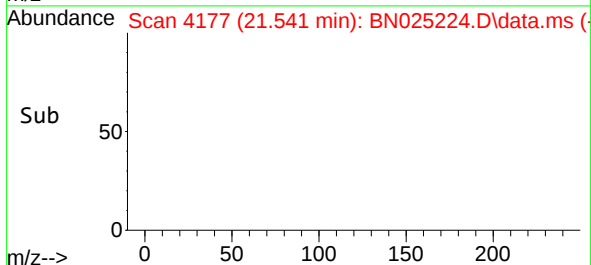
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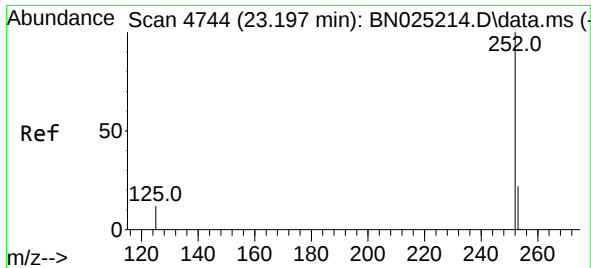


#22
Chrysene
Concen: 1.894 ng/ul
RT: 21.541 min Scan# 4177
Delta R.T. 0.001 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24



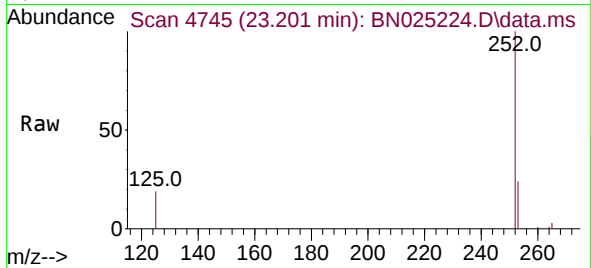
Tgt Ion:228 Resp: 223060
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 22.1 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.283 ng/ul m
RT: 23.201 min Scan# 4745
Delta R.T. 0.004 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

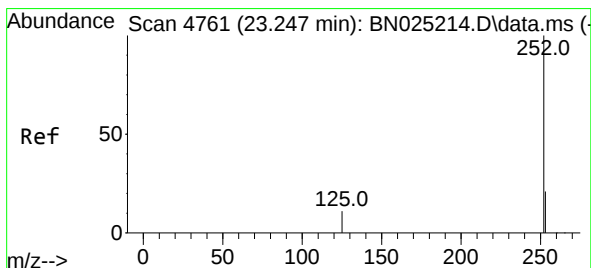
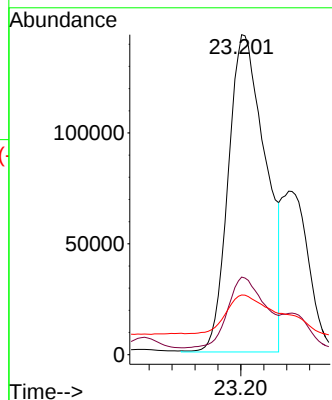
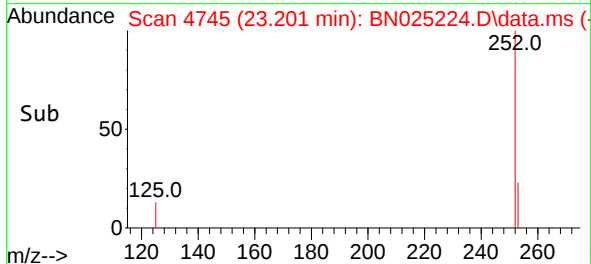
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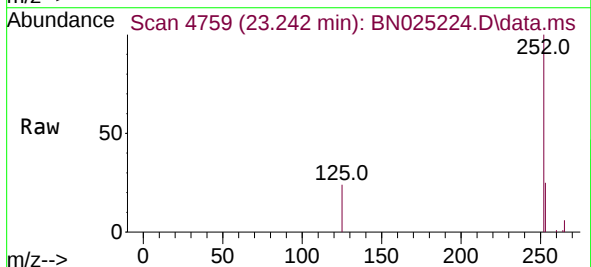
Tgt Ion:252 Resp: 324260
Ion Ratio Lower Upper
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253 24.2 0.0 50.2
125 18.6 0.0 30.4

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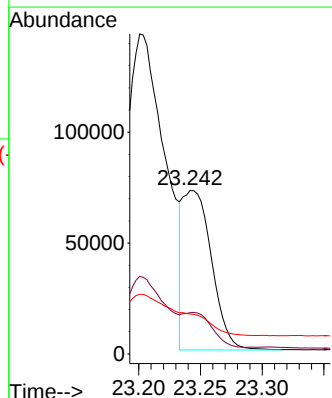
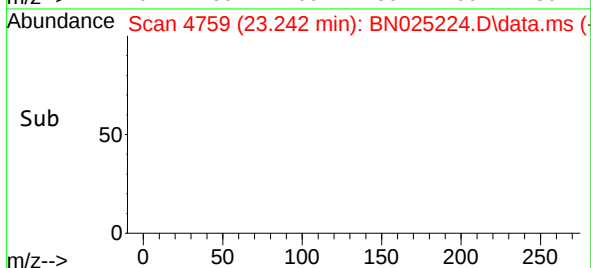
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

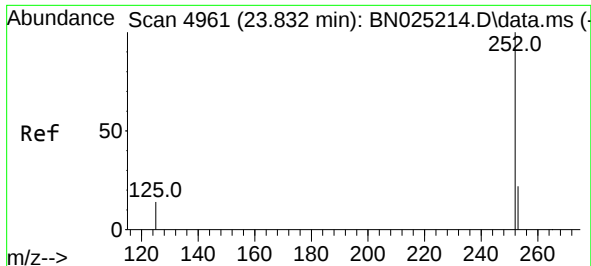


#25
Benzo(k)fluoranthene
Concen: 0.855 ng/ul m
RT: 23.242 min Scan# 4759
Delta R.T. -0.005 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24



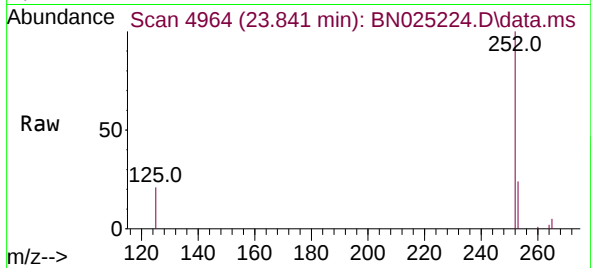
Tgt Ion:252 Resp: 116768
Ion Ratio Lower Upper
252 100
253 25.2 20.2 30.4
125 24.5 11.8 17.8#





#26
Benzo(a)pyrene
Concen: 1.751 ng/ul
RT: 23.841 min Scan# 4961
Delta R.T. 0.009 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24

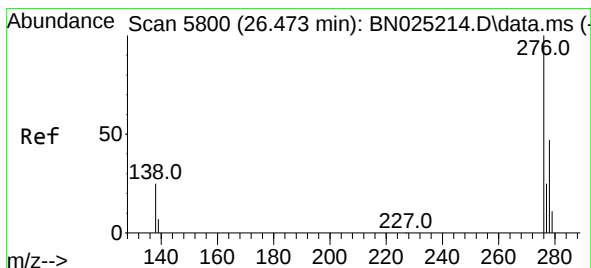
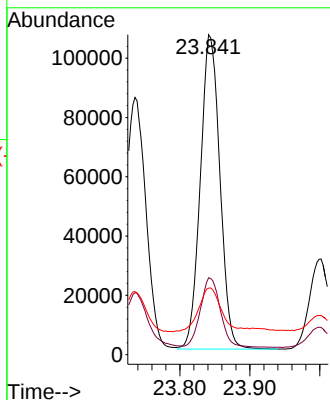
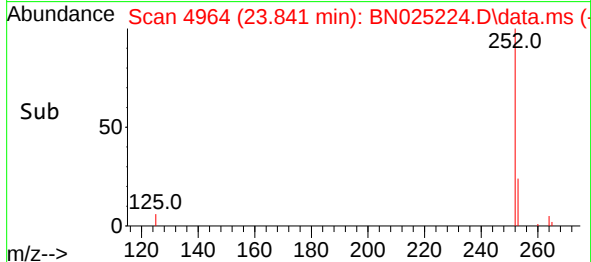
Instrument :
BNA_N
ClientSampleId :
EW924DL



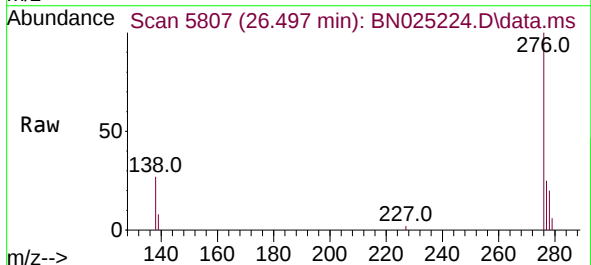
Tgt Ion:252 Resp: 205795
Ion Ratio Lower Upper
252 100
253 24.0 21.4 32.2
125 20.8 14.6 22.0

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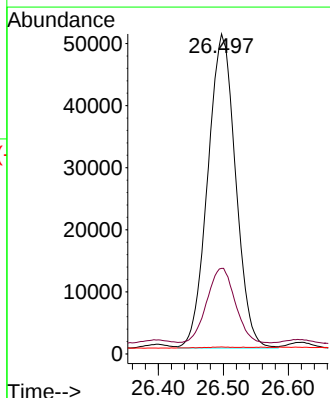
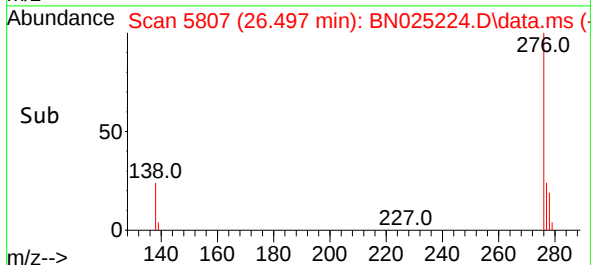
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

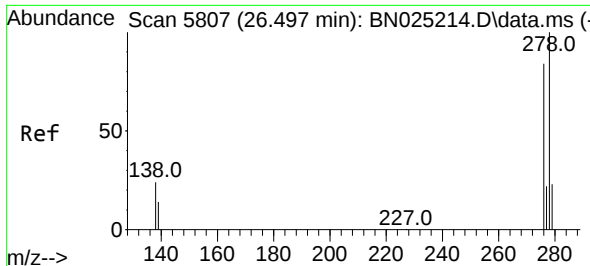


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.113 ng/ul
RT: 26.497 min Scan# 5807
Delta R.T. 0.024 min
Lab File: BN025224.D
Acq: 02 May 2023 17:24



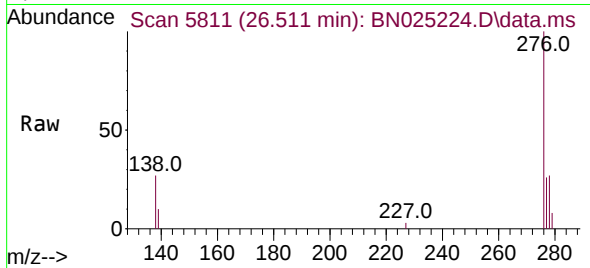
Tgt Ion:276 Resp: 150710
Ion Ratio Lower Upper
276 100
138 24.5 21.9 32.9
227 0.1 0.1 0.1





#28
 Dibenzo(a,h)anthracene
 Concen: 0.346 ng/ul
 RT: 26.511 min Scan# 5811
 Delta R.T. 0.014 min
 Lab File: BN025224.D
 Acq: 02 May 2023 17:24

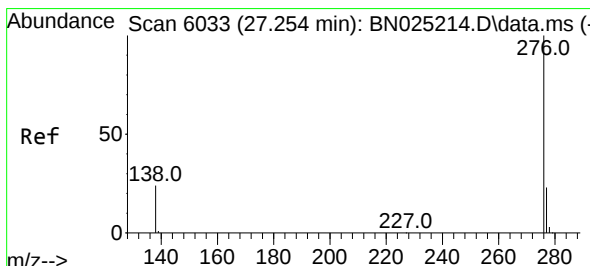
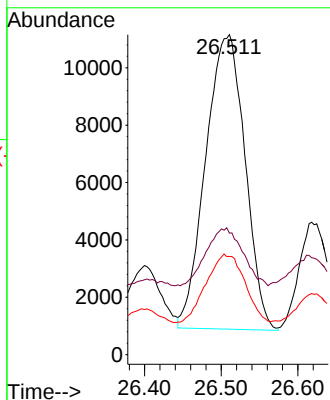
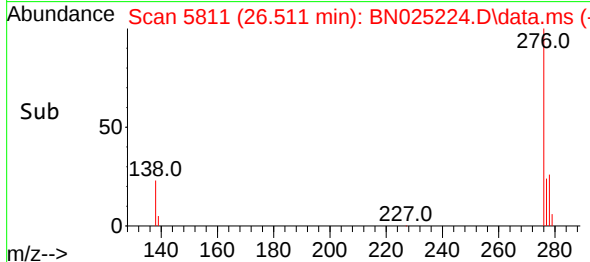
Instrument :
 BNA_N
 ClientSampleId :
 EW924DL



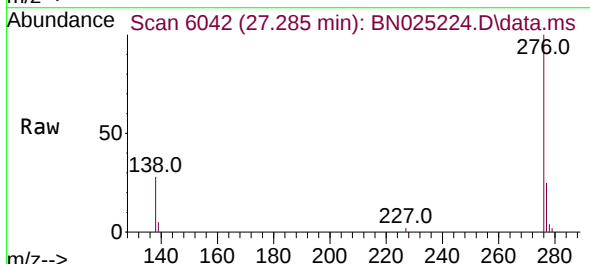
Tgt Ion:278 Resp: 3660
 Ion Ratio Lower Upper
 278 100
 139 38.0 17.0 25.6
 279 30.7 21.8 32.8

Manual Integrations
 APPROVED

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



#29
 Benzo(g,h,i)perylene
 Concen: 1.345 ng/ul
 RT: 27.285 min Scan# 6042
 Delta R.T. 0.031 min
 Lab File: BN025224.D
 Acq: 02 May 2023 17:24



Tgt Ion:276 Resp: 154779
 Ion Ratio Lower Upper
 276 100
 138 27.9 20.3 30.5
 277 24.8 19.8 29.6

