

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025259.D
 Acq On : 04 May 2023 02:52
 Operator : CG/JU
 Sample : 02447-15DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW935DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 04 06:26:04 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 : Wed May 03 15:28:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	7711	0.400	ng/ul	0.00
4) Naphthalene-d8	10.732	136	25092	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.571	164	14457	0.400	ng/ul	0.01
13) Phenanthrene-d10	17.322	188	34573	0.400	ng/ul	# 0.01
17) Chrysene-d12	21.515	240	19543	0.400	ng/ul	# 0.01
23) Perylene-d12	23.959	264	19291	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	5491	0.688	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.321	152	1823	0.057	ng/ul	0.01
18) Fluoranthene-d10	19.350	212	3783	0.073	ng/ul	0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.781	128	5331	0.083	ng/ul#	93
7) 2-Methylnaphthalene	12.398	142	5124	0.130	ng/ul	98
8) 1-Methylnaphthalene	12.612	142	3688	0.088	ng/ul	99
10) Acenaphthylene	14.289	152	18215	0.338	ng/ul#	95
11) Acenaphthene	14.631	153	4609	0.102	ng/ul	96
12) Fluorene	15.621	166	7621	0.150	ng/ul#	94
15) Phenanthrene	17.360	178	129990	1.332	ng/ul	100
16) Anthracene	17.453	178	25066	0.314	ng/ul	95
19) Fluoranthene	19.383	202	284402	4.024	ng/ul	99
20) Pyrene	19.745	202	270750	3.729	ng/ul	97
21) Benzo(a)anthracene	21.497	228	159722	2.712	ng/ul	94
22) Chrysene	21.553	228	176618	2.749	ng/ul	95
24) Benzo(b)fluoranthene	23.213	252	267651m	3.420	ng/ul	
25) Benzo(k)fluoranthene	23.260	252	89869m	1.194	ng/ul	
26) Benzo(a)pyrene	23.853	252	162257	2.506	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	26.498	276	154936	2.077	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.501	278	39673	0.681	ng/ul#	69
29) Benzo(g,h,i)perylene	27.286	276	161518	2.546	ng/ul	96

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

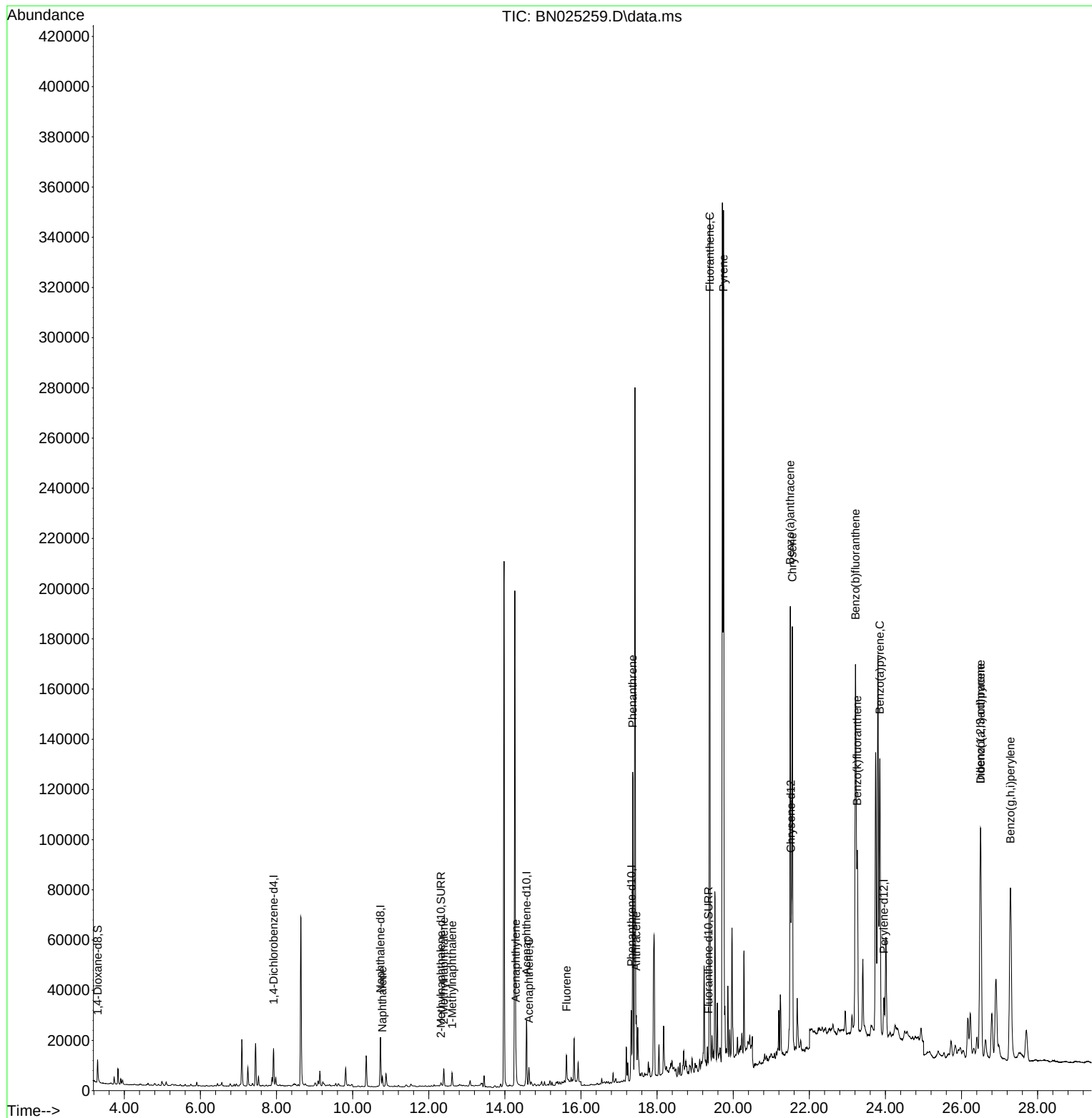
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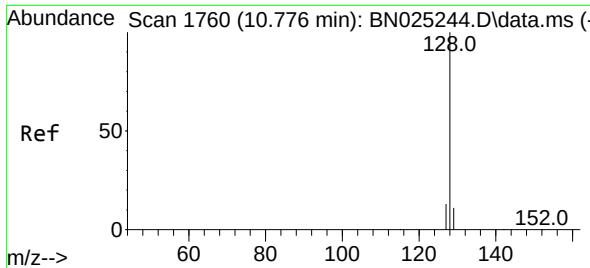
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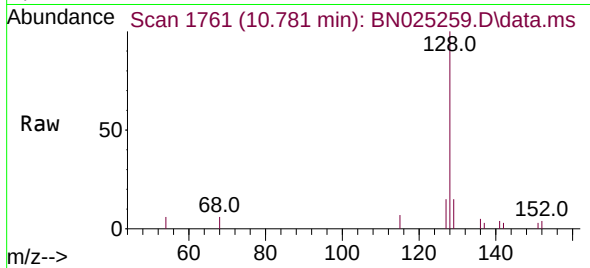
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023





#5
Naphthalene
Concen: 0.083 ng/ul
RT: 10.781 min Scan# 1761
Delta R.T. 0.013 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

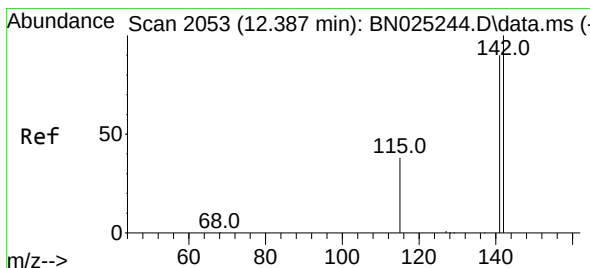
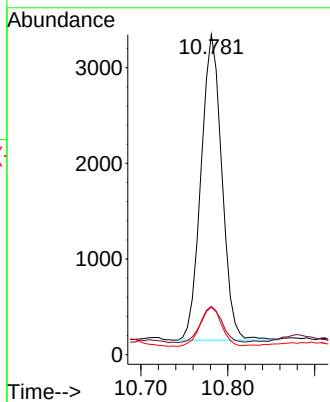
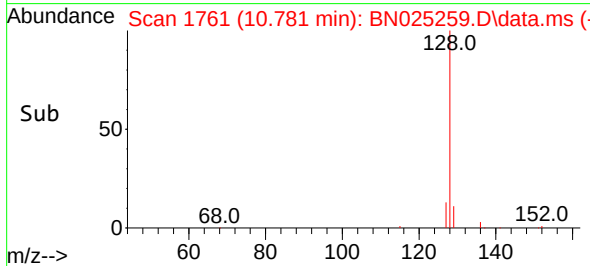
Instrument :
BNA_N
ClientSampleId :
EW935DL



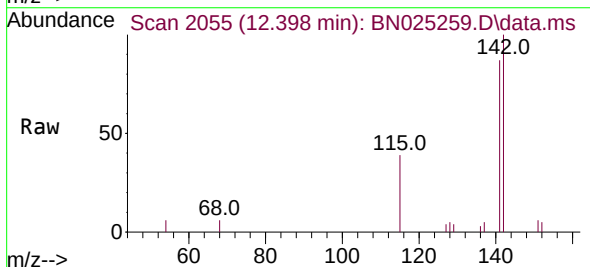
Tgt Ion:128 Resp: 533
Ion Ratio Lower Upper
128 100
129 14.9 9.0 13.6
127 15.1 10.7 16.1

Manual Integrations
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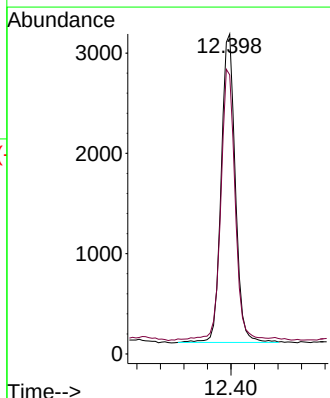
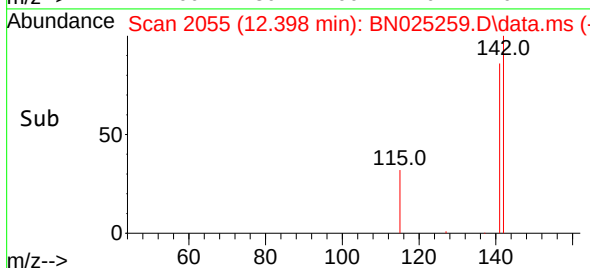
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

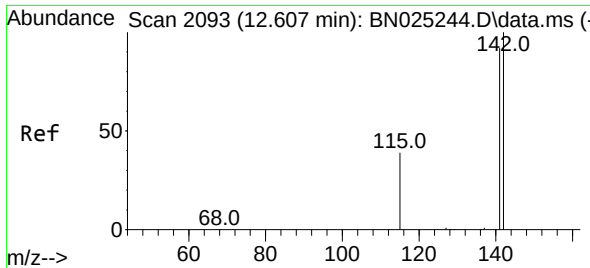


#7
2-Methylnaphthalene
Concen: 0.130 ng/ul
RT: 12.398 min Scan# 2055
Delta R.T. 0.013 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52



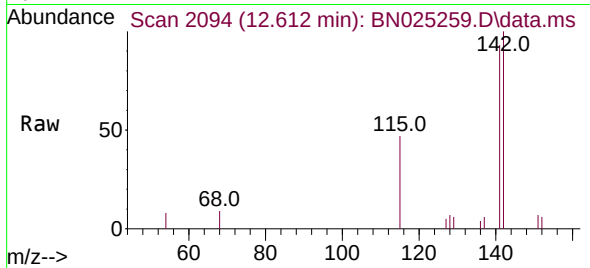
Tgt Ion:142 Resp: 5124
Ion Ratio Lower Upper
142 100
141 87.2 71.4 107.0





#8
1-Methylnaphthalene
Concen: 0.088 ng/ul
RT: 12.612 min Scan# 2094
Delta R.T. 0.007 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

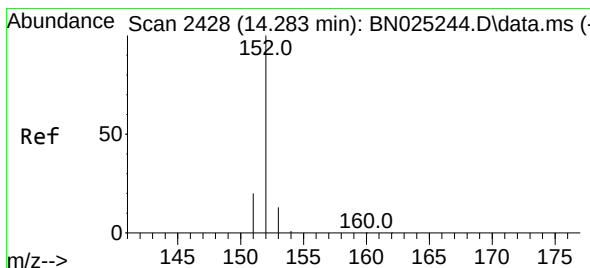
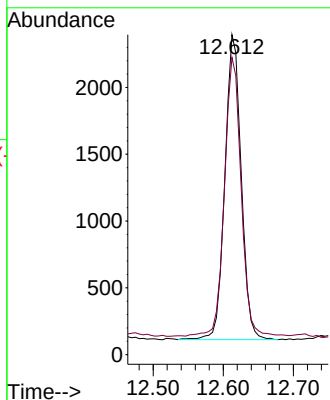
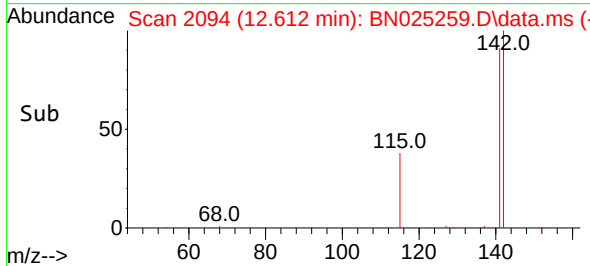
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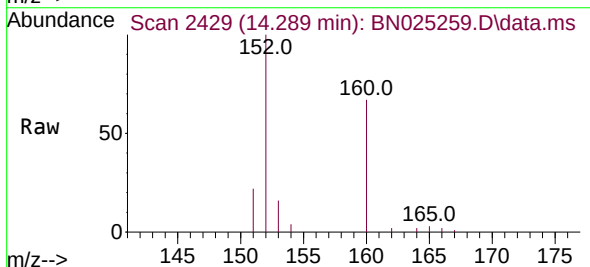
Tgt Ion:142 Resp: 368
Ion Ratio Lower Upper
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141 92.8 73.8 110.6

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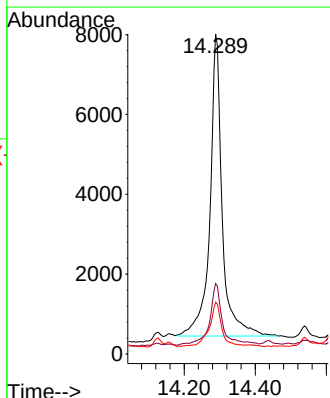
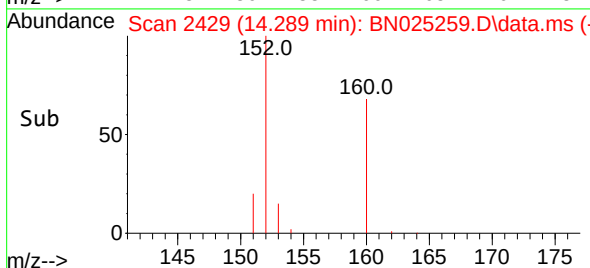
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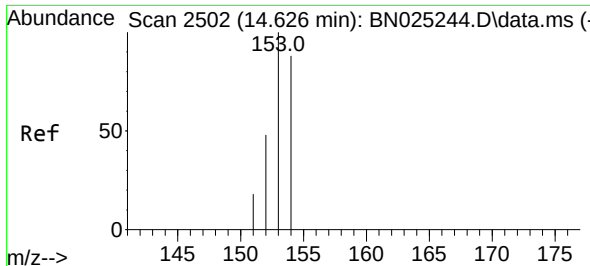


#10
Acenaphthylene
Concen: 0.338 ng/ul
RT: 14.289 min Scan# 2429
Delta R.T. 0.011 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52



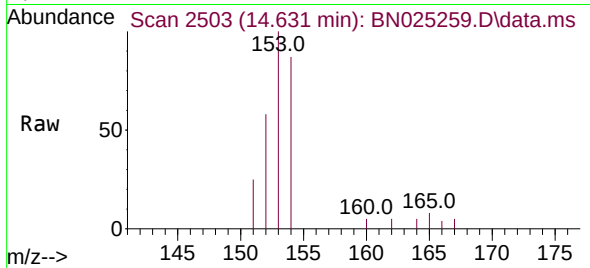
Tgt Ion:152 Resp: 18215
Ion Ratio Lower Upper
152 100
151 22.0 16.0 24.0
153 16.2 10.8 16.2#





#11
Acenaphthene
Concen: 0.102 ng/u1
RT: 14.631 min Scan# 21
Delta R.T. 0.011 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

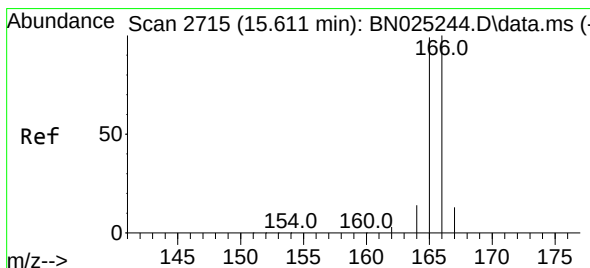
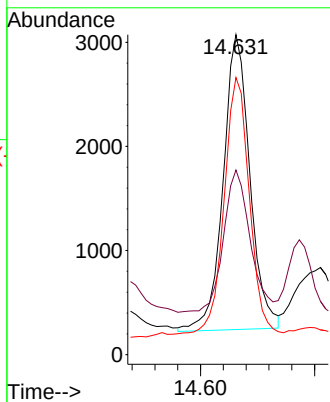
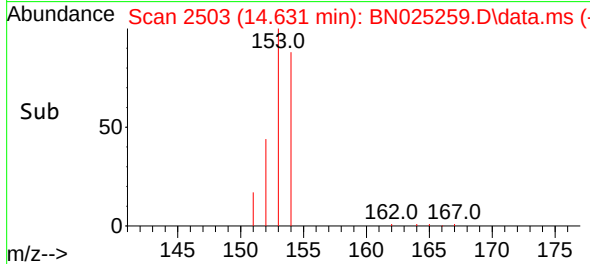
Instrument :
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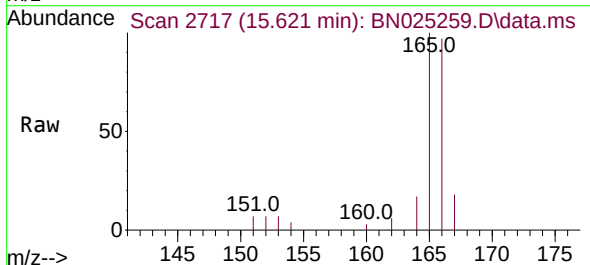
Tgt Ion:153 Resp: 4609
Ion Ratio Lower Upper
153 100
152 57.7 40.2 60.4
154 86.6 69.4 104.2

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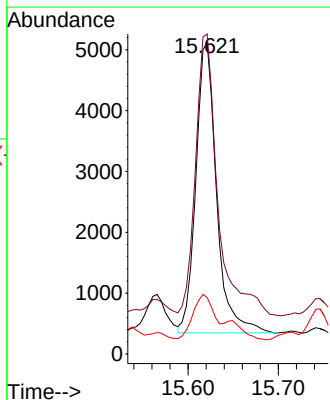
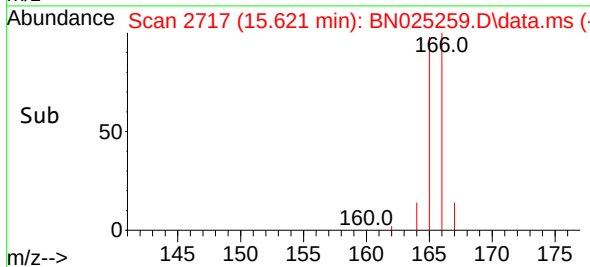
Reviewed By :Christian Giraldo 05/04/2023
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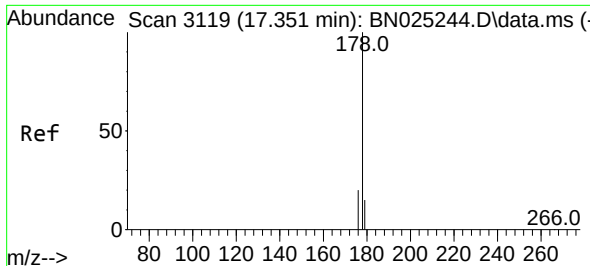


#12
Fluorene
Concen: 0.150 ng/u1
RT: 15.621 min Scan# 2717
Delta R.T. 0.011 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52



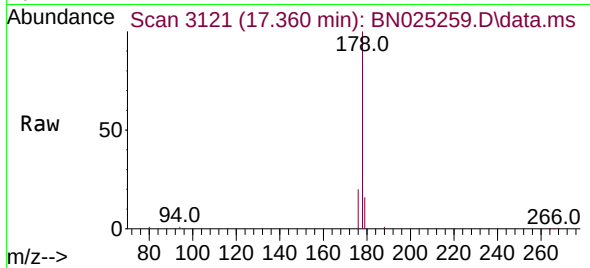
Tgt Ion:166 Resp: 7621
Ion Ratio Lower Upper
166 100
165 102.8 78.1 117.1
167 18.1 11.0 16.6#





#15
Phenanthrene
Concen: 1.332 ng/u1
RT: 17.360 min Scan# 3119
Delta R.T. 0.010 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

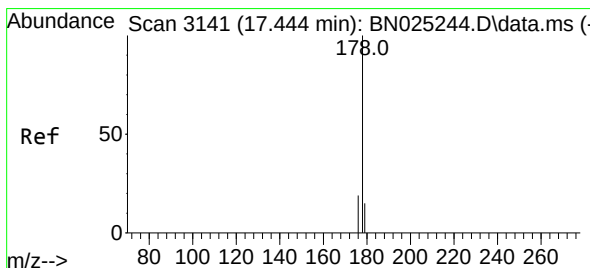
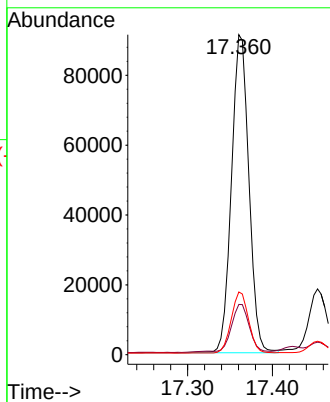
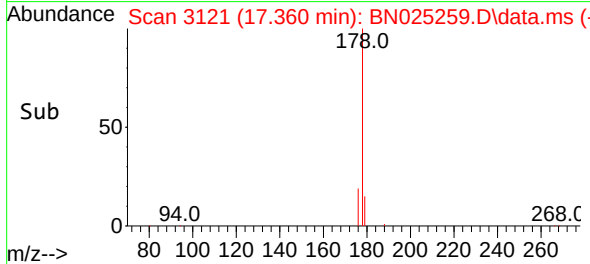
Instrument :
BNA_N
ClientSampleId :
EW935DL



Tgt Ion:178 Resp: 129990
Ion Ratio Lower Upper
178 100
179 15.7 12.5 18.7
176 19.6 15.6 23.4

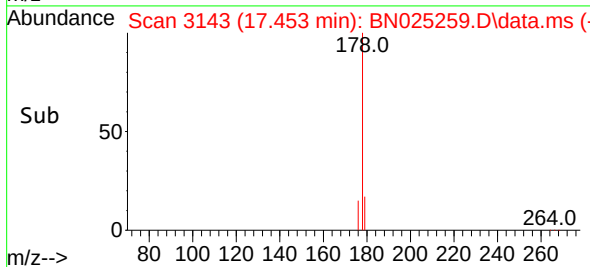
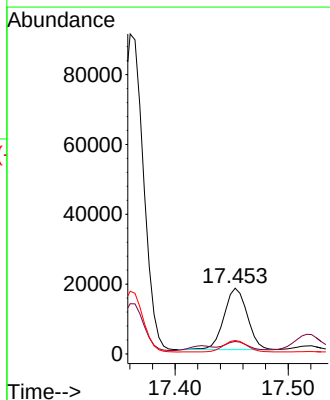
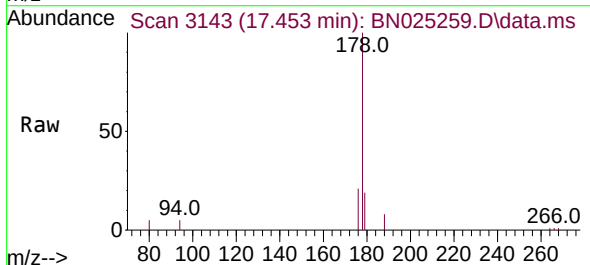
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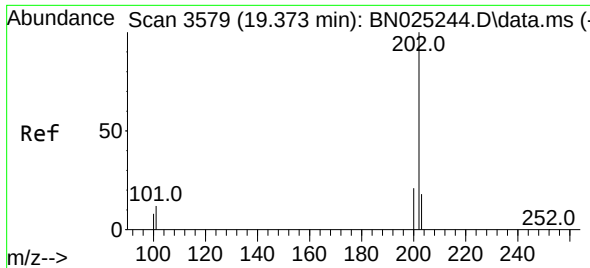
Reviewed By :Christian Giraldo 05/04/2023
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#16
Anthracene
Concen: 0.314 ng/u1
RT: 17.453 min Scan# 3143
Delta R.T. 0.010 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

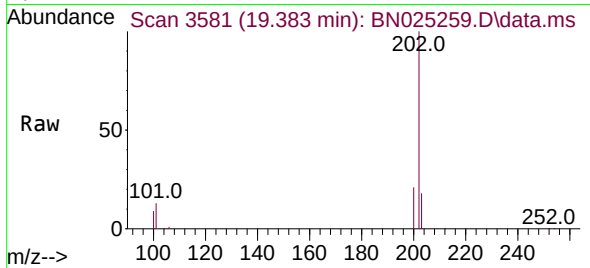
Tgt Ion:178 Resp: 25066
Ion Ratio Lower Upper
178 100
179 19.1 12.7 19.1
176 20.6 15.3 22.9





#19
Fluoranthene
Concen: 4.024 ng/u1
RT: 19.383 min Scan# 3581
Delta R.T. 0.011 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

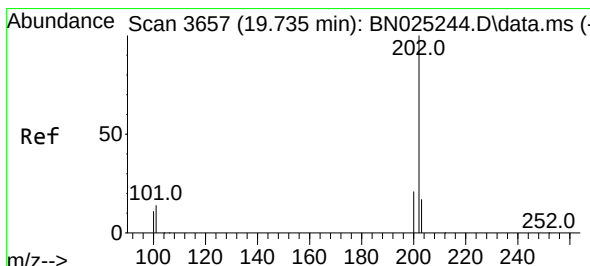
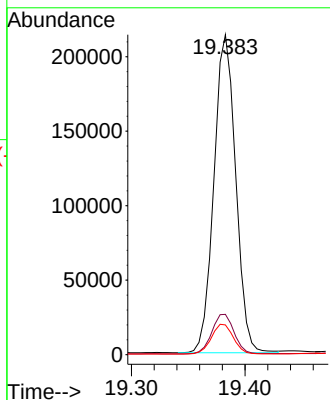
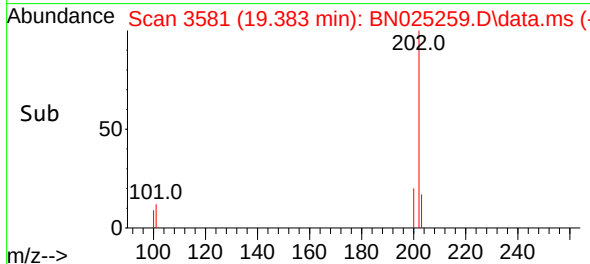
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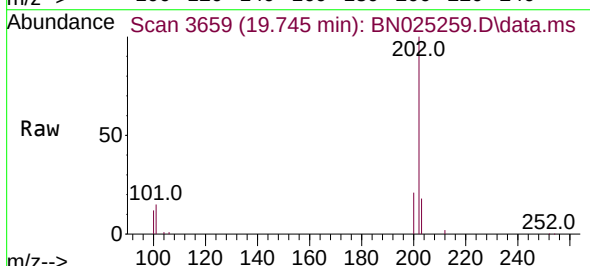
Tgt Ion:202 Resp: 28440
Ion Ratio Lower Upper
202 100
101 12.6 9.7 14.5
100 9.3 7.3 10.9

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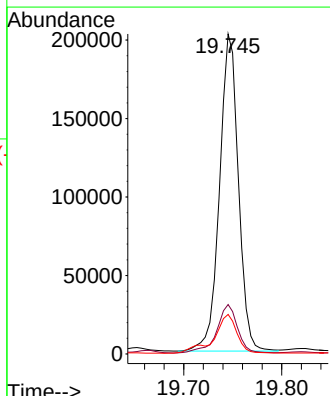
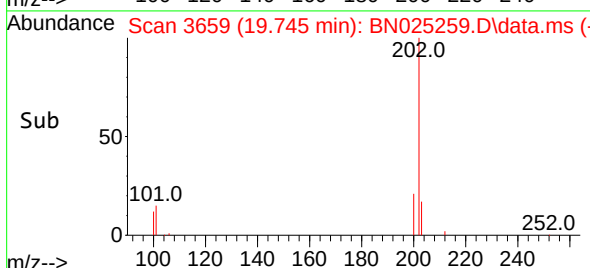
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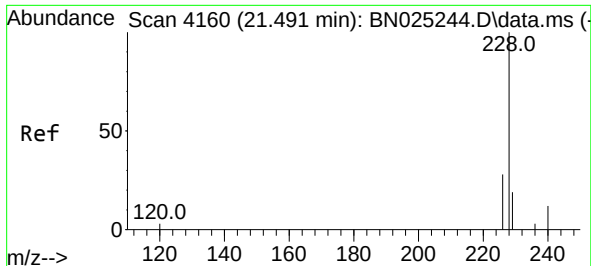


#20
Pyrene
Concen: 3.729 ng/u1
RT: 19.745 min Scan# 3659
Delta R.T. 0.011 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52



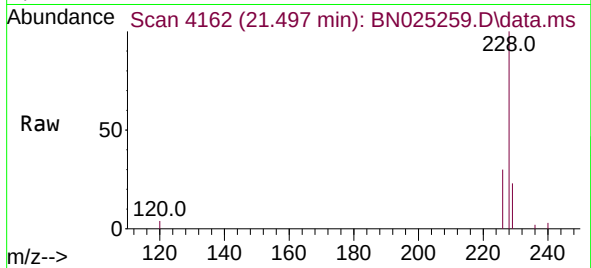
Tgt Ion:202 Resp: 270750
Ion Ratio Lower Upper
202 100
101 15.5 11.3 16.9
100 12.3 9.2 13.8





#21
Benzo(a)anthracene
Concen: 2.712 ng/u1
RT: 21.497 min Scan# 4160
Delta R.T. 0.011 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

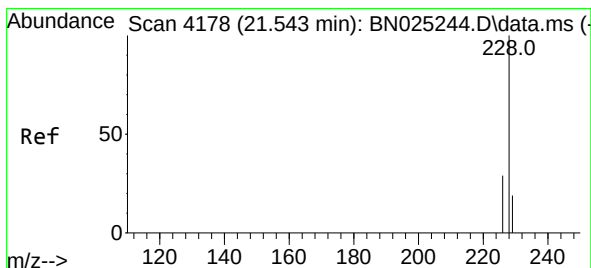
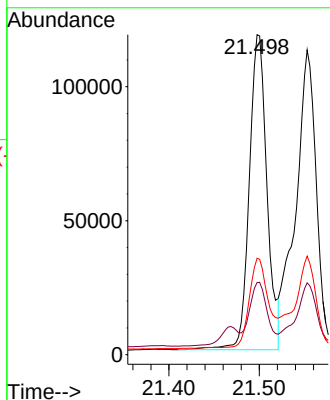
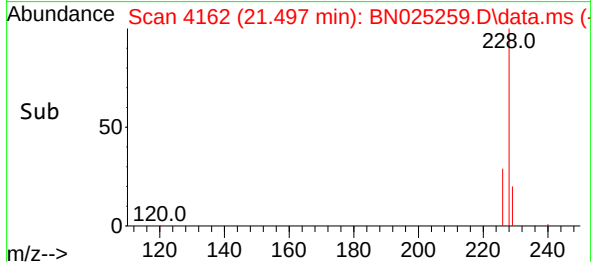
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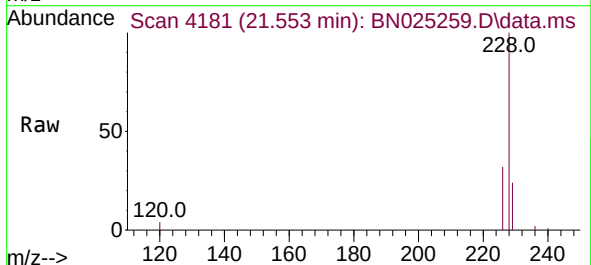
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Ion Ratio Lower Upper
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229 22.5 15.6 23.4
226 30.2 22.1 33.1

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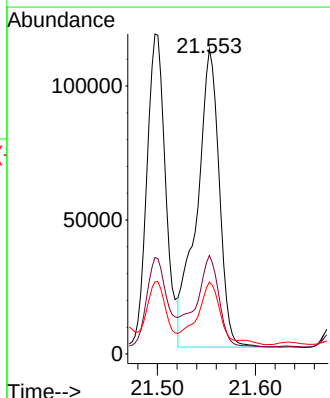
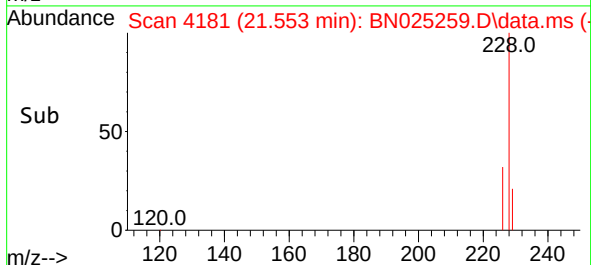
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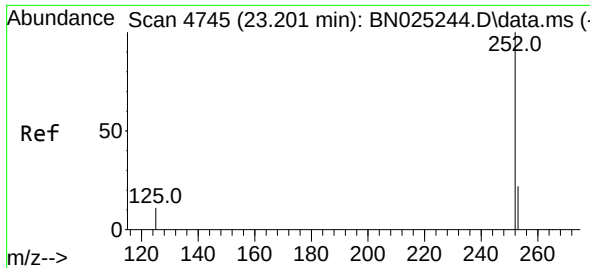


#22
Chrysene
Concen: 2.749 ng/u1
RT: 21.553 min Scan# 4181
Delta R.T. 0.014 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52



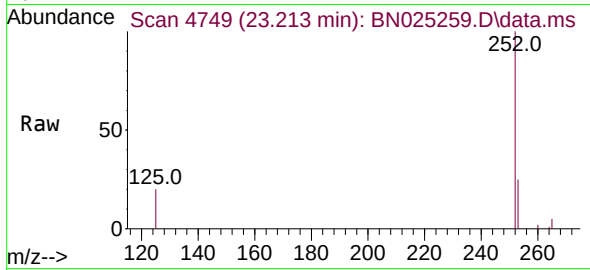
Tgt Ion:228 Resp: 176618
Ion Ratio Lower Upper
228 100
226 32.4 24.5 36.7
229 23.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 3.420 ng/ul m
RT: 23.213 min Scan# 4745
Delta R.T. 0.017 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

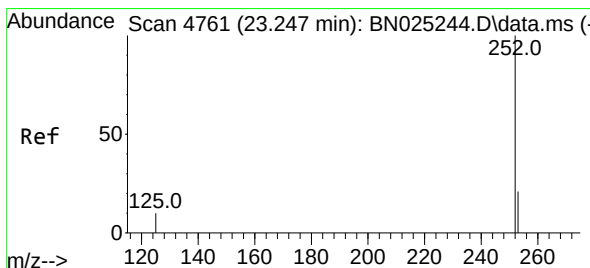
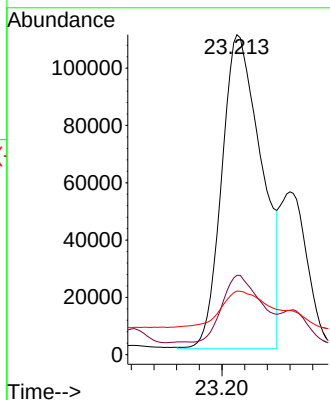
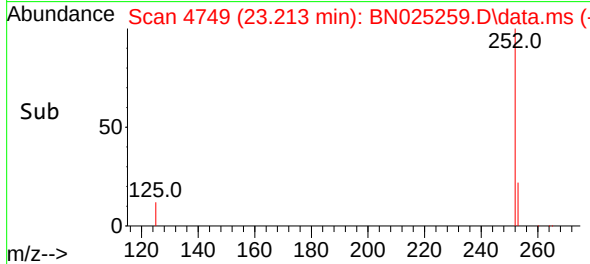
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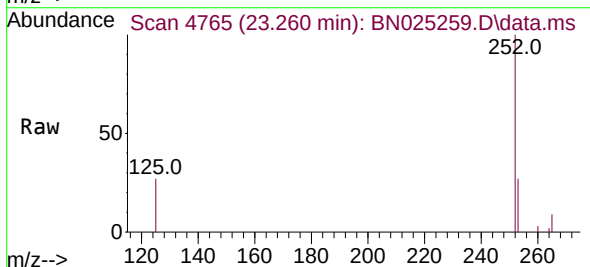
Tgt Ion:252 Resp: 26765
Ion Ratio Lower Upper
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125 19.9 0.0 30.4

Manual Integrations
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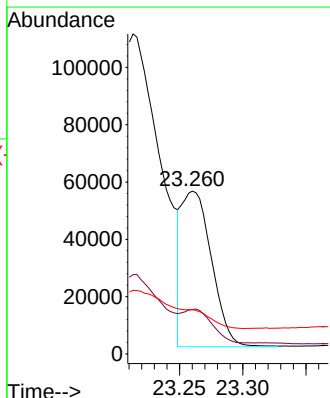
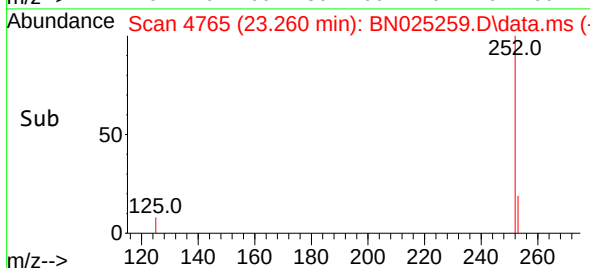
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

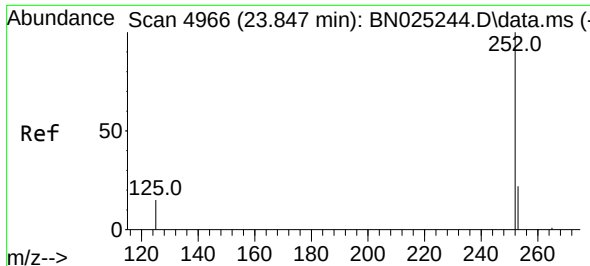


#25
Benzo(k)fluoranthene
Concen: 1.194 ng/ul m
RT: 23.260 min Scan# 4765
Delta R.T. 0.014 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52



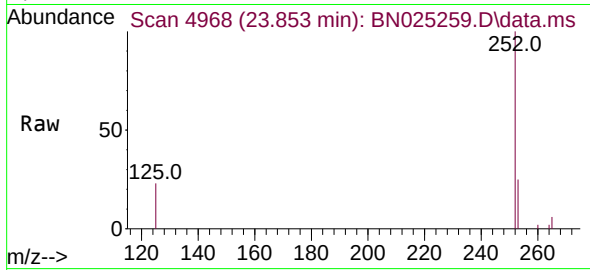
Tgt Ion:252 Resp: 89869
Ion Ratio Lower Upper
252 100
253 27.3 20.2 30.4
125 27.2 11.8 17.8#





#26
Benzo(a)pyrene
Concen: 2.506 ng/u1
RT: 23.853 min Scan# 4966
Delta R.T. 0.025 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

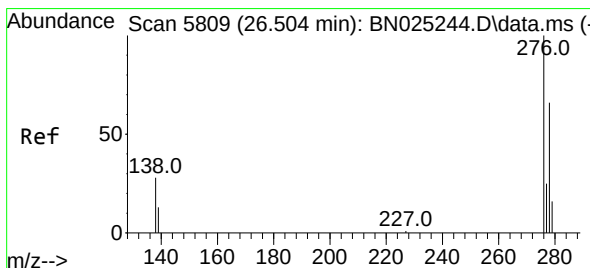
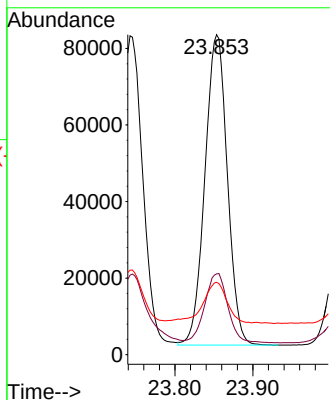
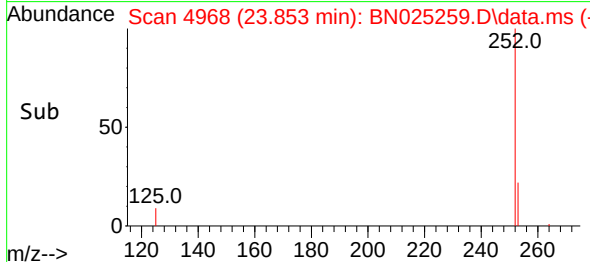
Instrument :
BNA_N
ClientSampleId :
EW935DL



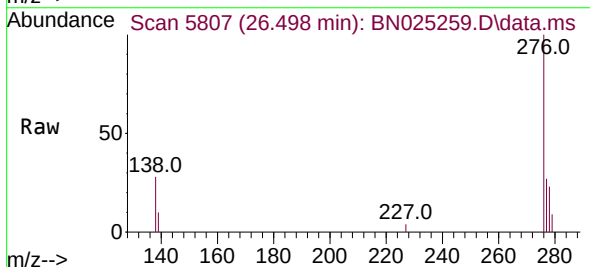
Tgt Ion:252 Resp: 16225
Ion Ratio Lower Upper
252 100
253 25.2 21.4 32.2
125 22.6 14.6 22.0

Manual Integrations
APPROVED

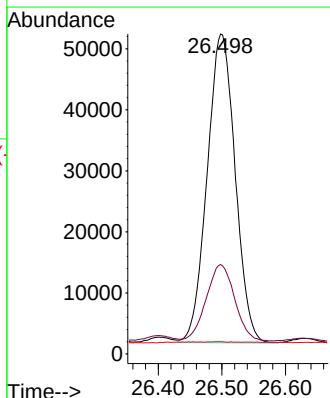
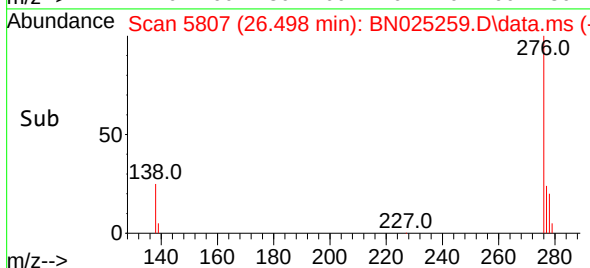
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

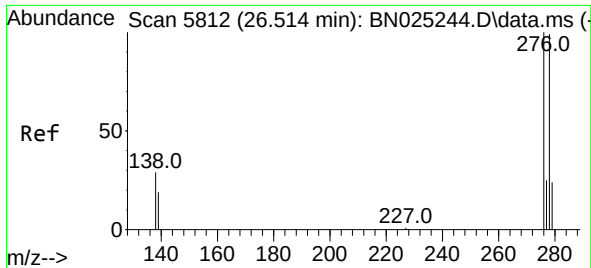


#27
Indeno(1,2,3-cd)pyrene
Concen: 2.077 ng/u1
RT: 26.498 min Scan# 5807
Delta R.T. 0.022 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52



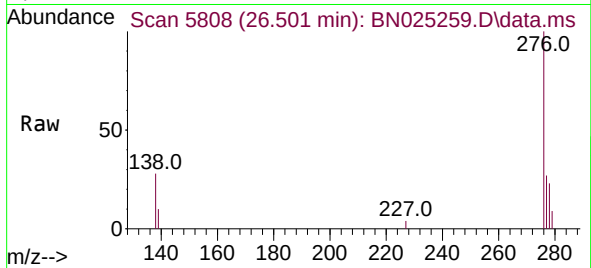
Tgt Ion:276 Resp: 154936
Ion Ratio Lower Upper
276 100
138 25.1 21.9 32.9
227 0.3 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.681 ng/ul
RT: 26.501 min Scan# 5808
Delta R.T. 0.009 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52

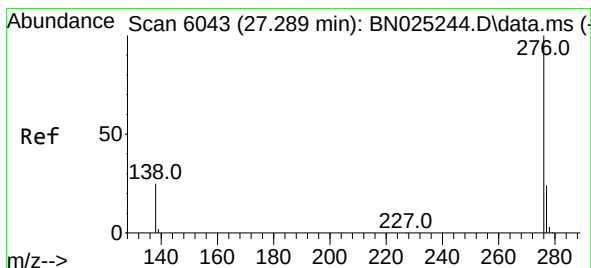
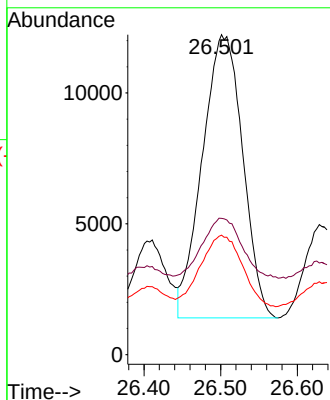
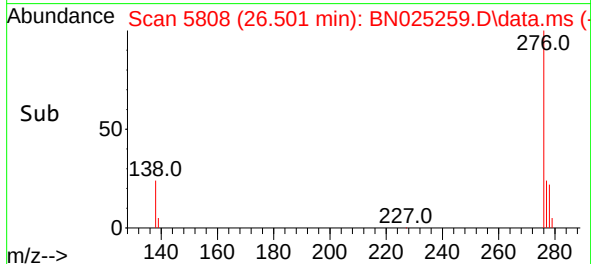
Instrument :
BNA_N
ClientSampleId :
EW935DL



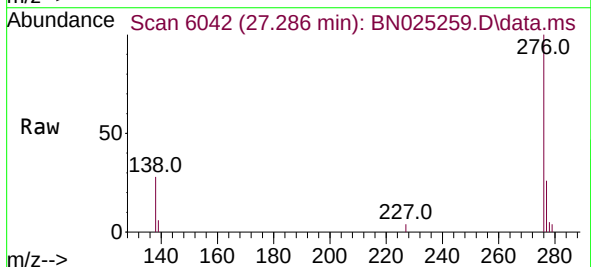
Tgt Ion: 278 Resp: 3967
Ion Ratio Lower Upper
278 100
139 42.6 17.0 25.6
279 37.3 21.8 32.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/04/2023
Supervised By : Jagrut Upadhyay 05/04/2023



#29
Benzo(g,h,i)perylene
Concen: 2.546 ng/ul
RT: 27.286 min Scan# 6042
Delta R.T. 0.026 min
Lab File: BN025259.D
Acq: 04 May 2023 02:52



Tgt Ion: 276 Resp: 161518
Ion Ratio Lower Upper
276 100
138 27.9 20.3 30.5
277 26.0 19.8 29.6

