

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
 Data File : BN036031.D
 Acq On : 27 Jan 2025 11:29
 Operator : RC/JU
 Sample : Q1148-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 XA177

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
 Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 27 12:18:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 21 23:52:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	2097	0.400	ng/u1	0.00
4) Naphthalene-d8	10.605	136	4131	0.400	ng/u1	0.00
9) Acenaphthene-d10	14.446	164	2272	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.188	188	4790	0.400	ng/u1	0.00
17) Chrysene-d12	21.371	240	4478	0.400	ng/u1	0.00
23) Perylene-d12	23.665	264	4372	0.400	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.276	96	1417	0.617	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.194	152	2052	0.393	ng/u1	0.00
18) Fluoranthene-d10	19.216	212	5022	0.408	ng/u1	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.655	128	83600	7.346	ng/u1	97
10) Acenaphthylene	14.169	152	116114	10.843	ng/u1	96
11) Acenaphthene	14.511	153	28498	3.616	ng/u1	98
12) Fluorene	15.496	166	43464	4.993	ng/u1	98
15) Phenanthrene	17.230	178	67883	4.840	ng/u1	97
16) Anthracene	17.323	178	18924	1.452	ng/u1	99
19) Fluoranthene	19.249	202	24682	1.450	ng/u1	96
20) Pyrene	19.611	202	67443	3.796	ng/u1	97
21) Benzo(a)anthracene	21.353	228	32780	2.051	ng/u1	99
22) Chrysene	21.406	228	24873	1.523	ng/u1	99
24) Benzo(b)fluoranthene	22.972	252	7954	0.545	ng/u1	98
25) Benzo(k)fluoranthene	23.019	252	44981m	2.932	ng/u1	
26) Benzo(a)pyrene	23.566	252	22145	1.680	ng/u1#	91
27) Indeno(1,2,3-cd)pyrene	26.014	276	35269	2.024	ng/u1#	91
28) Dibenzo(a,h)anthracene	26.024	278	54517	4.059	ng/u1	93
29) Benzo(g,h,i)perylene	26.721	276	70242	5.189	ng/u1	94

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

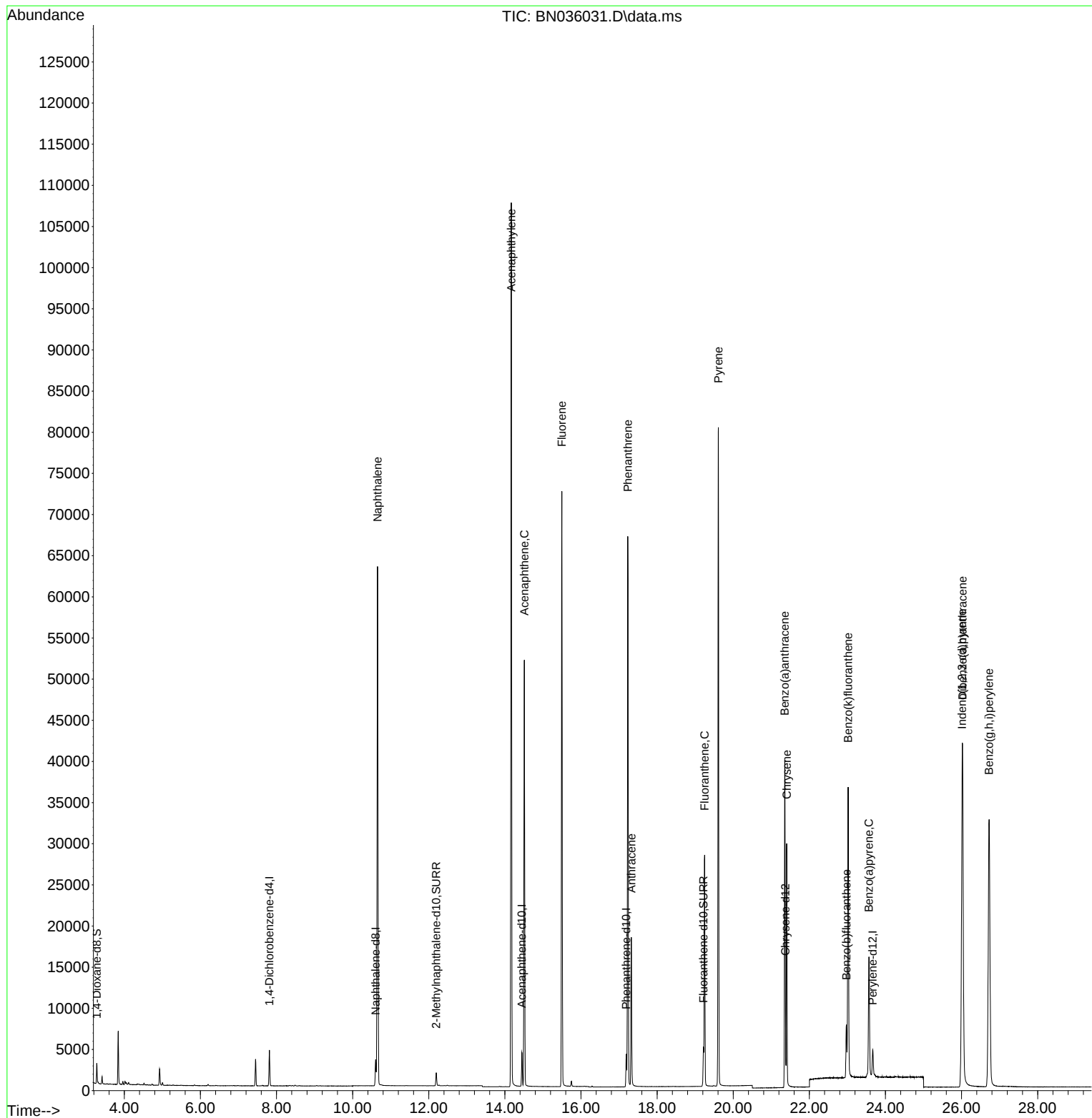
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036031.D
Acq On : 27 Jan 2025 11:29
Operator : RC/JU
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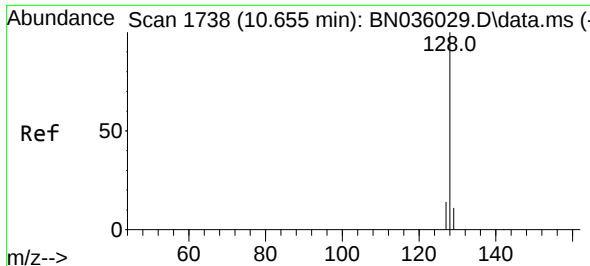
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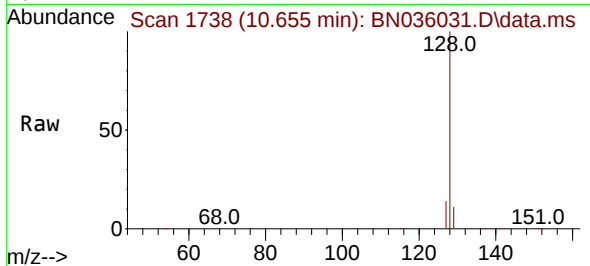
Quant Time: Jan 27 12:18:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration





#5
Naphthalene
Concen: 7.346 ng/ul
RT: 10.655 min Scan# 1738
Delta R.T. -0.000 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

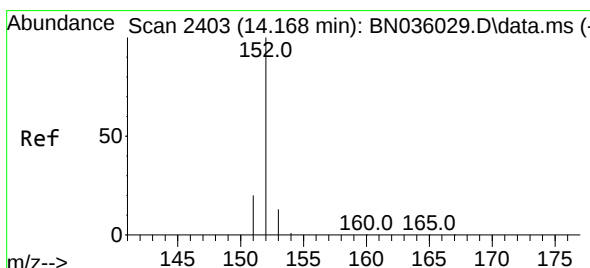
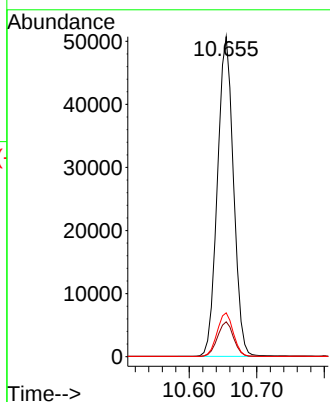
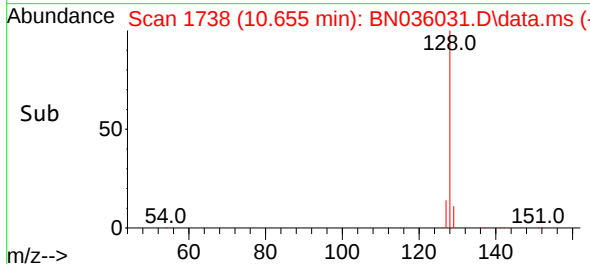
Instrument :
BNA_N
ClientSampleId :
XA177



Tgt Ion:128 Resp: 83600
Ion Ratio Lower Upper
128 100
129 10.9 9.6 14.4
127 13.7 12.0 18.0

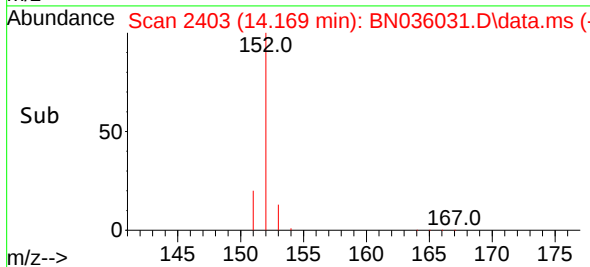
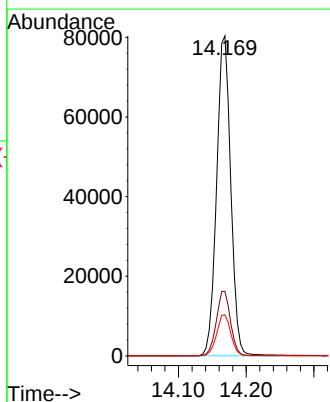
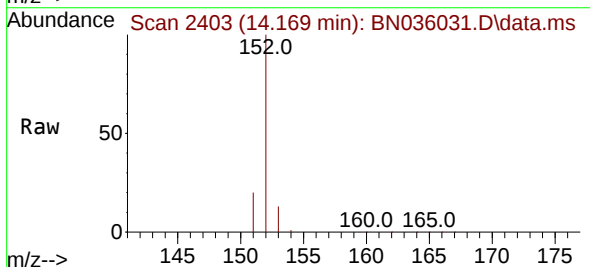
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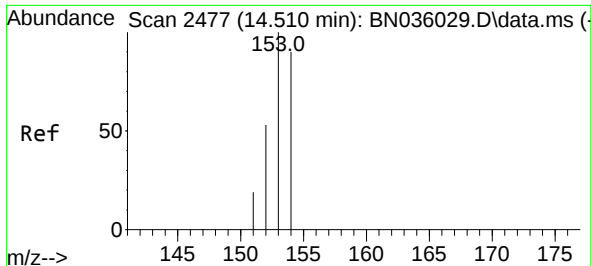
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#10
Acenaphthylene
Concen: 10.843 ng/ul
RT: 14.169 min Scan# 2403
Delta R.T. 0.001 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

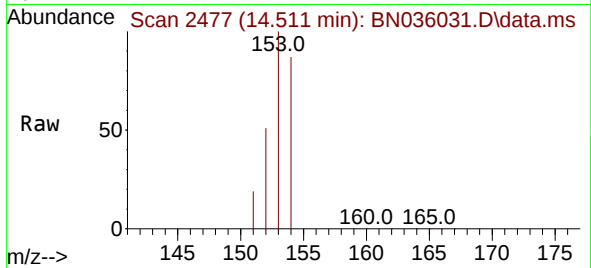
Tgt Ion:152 Resp: 116114
Ion Ratio Lower Upper
152 100
151 20.2 17.4 26.2
153 12.9 11.9 17.9





#11
Acenaphthene
Concen: 3.616 ng/ul
RT: 14.511 min Scan# 2477
Delta R.T. -0.004 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

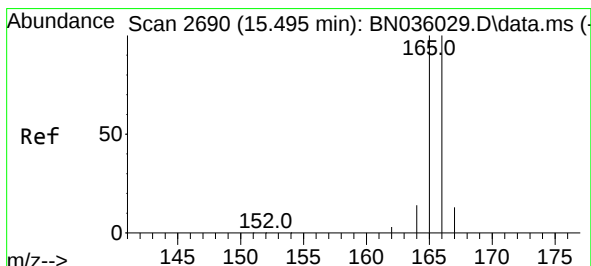
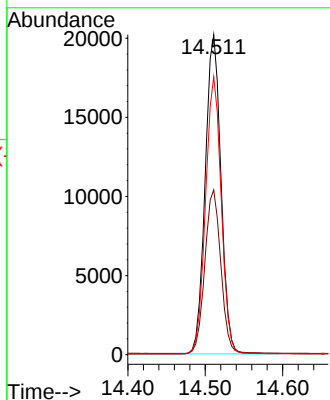
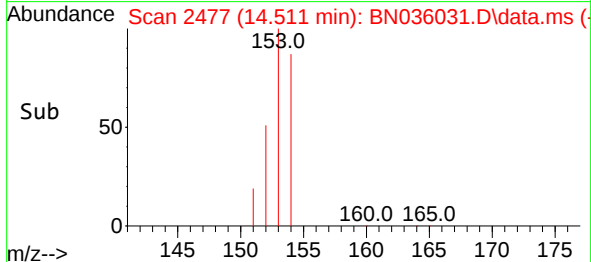
Instrument :
BNA_N
ClientSampleId :
XA177



Tgt Ion:153 Resp: 28498
Ion Ratio Lower Upper
153 100
152 51.5 43.2 64.8
154 86.9 70.5 105.7

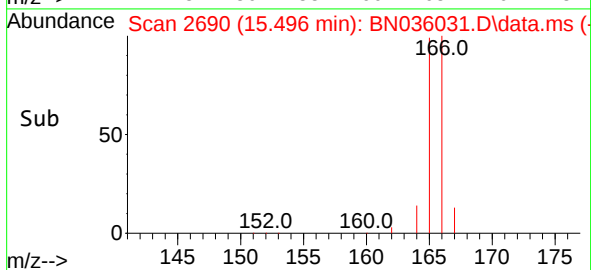
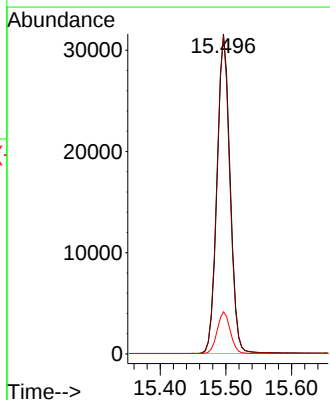
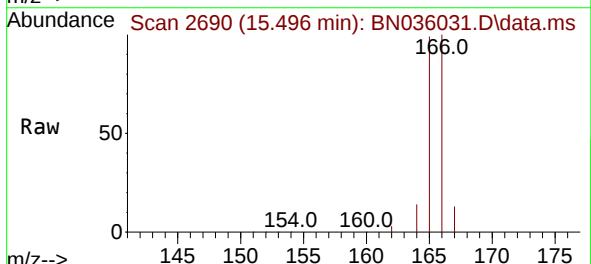
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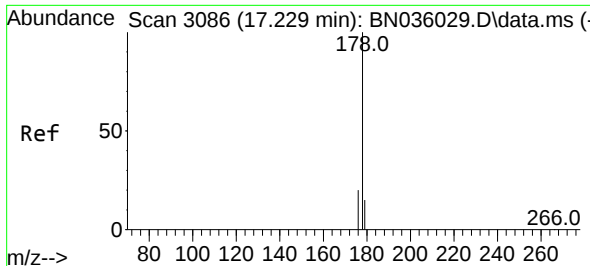
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#12
Fluorene
Concen: 4.993 ng/ul
RT: 15.496 min Scan# 2690
Delta R.T. -0.004 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

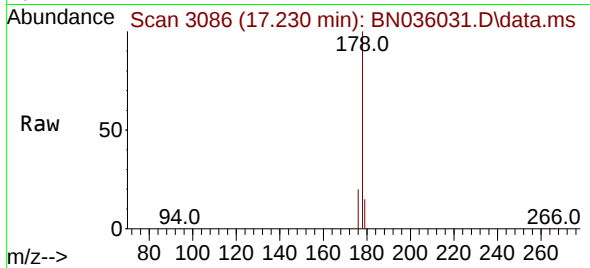
Tgt Ion:166 Resp: 43464
Ion Ratio Lower Upper
166 100
165 99.4 80.3 120.5
167 13.2 12.3 18.5





#15
Phenanthrene
Concen: 4.840 ng/ul
RT: 17.230 min Scan# 3086
Delta R.T. -0.003 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

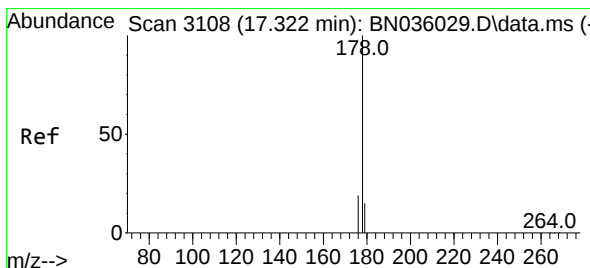
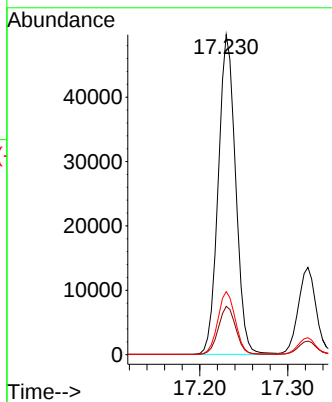
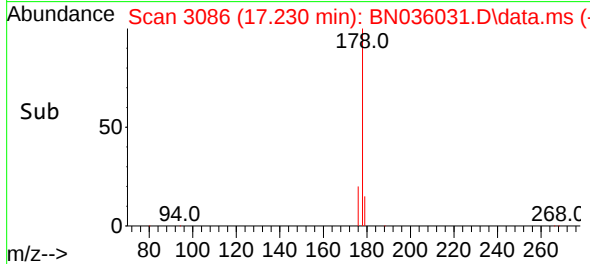
Instrument : BNA_N
ClientSampleId : XA177



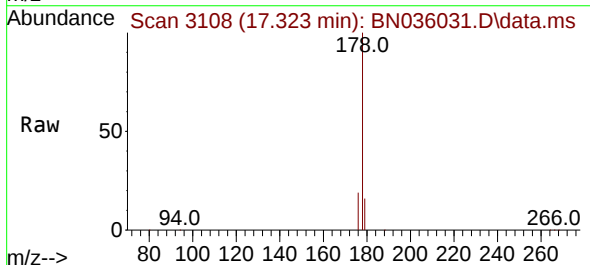
Tgt Ion:178 Resp: 6788
Ion Ratio Lower Upper
178 100
179 15.1 13.2 19.8
176 19.7 16.8 25.2

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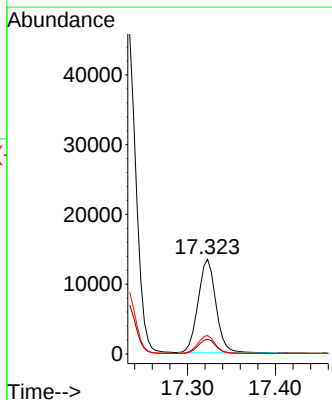
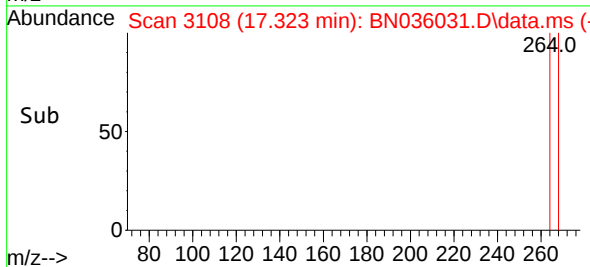
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

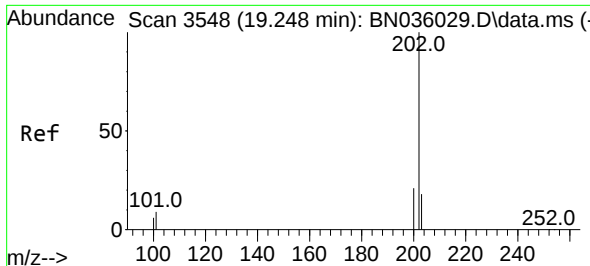


#16
Anthracene
Concen: 1.452 ng/ul
RT: 17.323 min Scan# 3108
Delta R.T. 0.001 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29



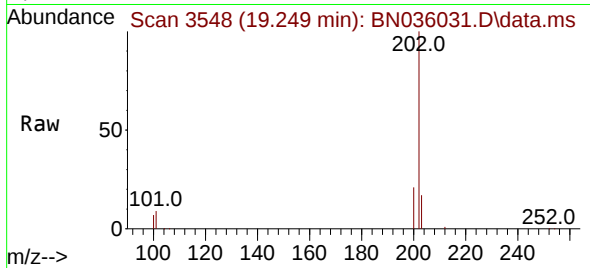
Tgt Ion:178 Resp: 18924
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.4
176 19.5 15.9 23.9





#19
Fluoranthene
Concen: 1.450 ng/u1
RT: 19.249 min Scan# 3548
Delta R.T. 0.001 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

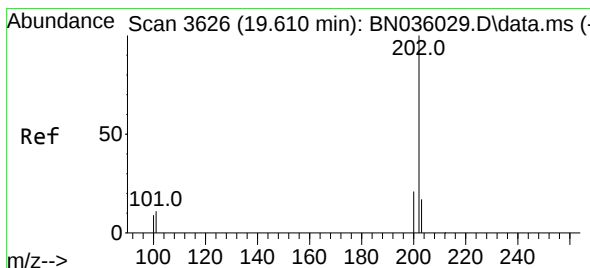
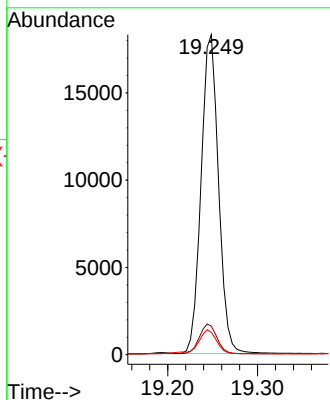
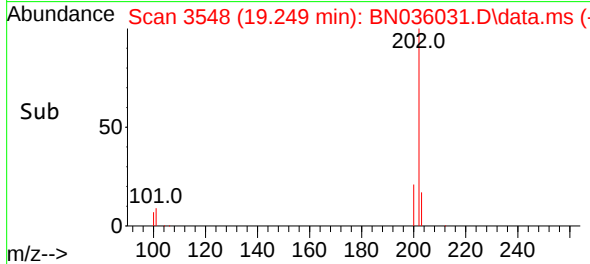
Instrument :
BNA_N
ClientSampleId :
XA177



Tgt Ion:202 Resp: 2468
Ion Ratio Lower Upper
202 100
101 8.9 8.4 12.6
100 7.0 6.5 9.7

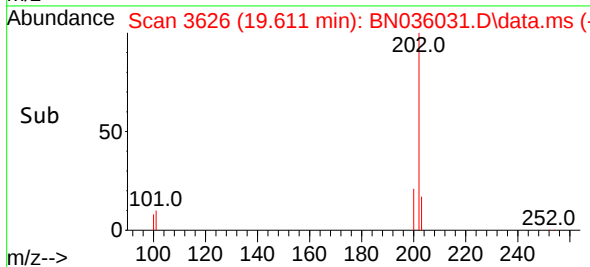
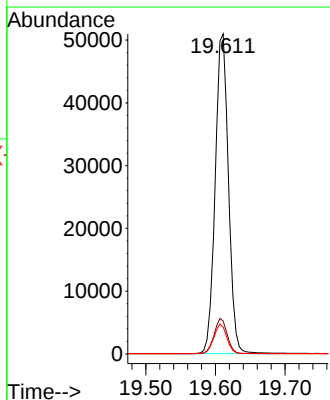
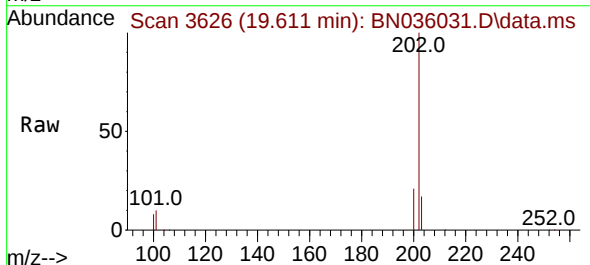
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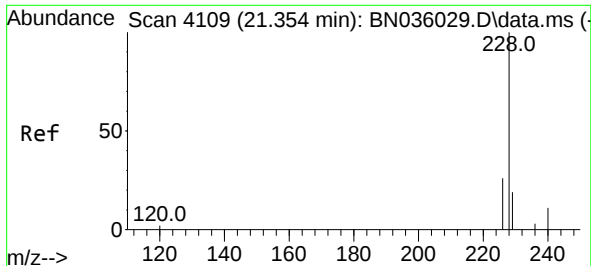
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#20
Pyrene
Concen: 3.796 ng/u1
RT: 19.611 min Scan# 3626
Delta R.T. 0.001 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

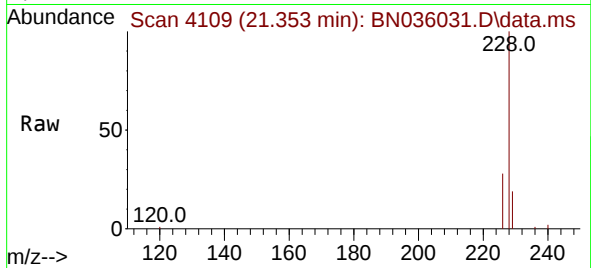
Tgt Ion:202 Resp: 67443
Ion Ratio Lower Upper
202 100
101 10.3 9.3 13.9
100 8.5 7.5 11.3





#21
Benzo(a)anthracene
Concen: 2.051 ng/ul
RT: 21.353 min Scan# 4109
Delta R.T. -0.000 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

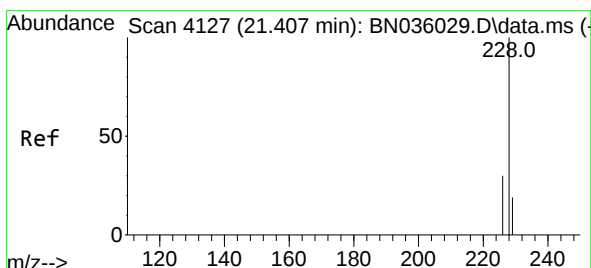
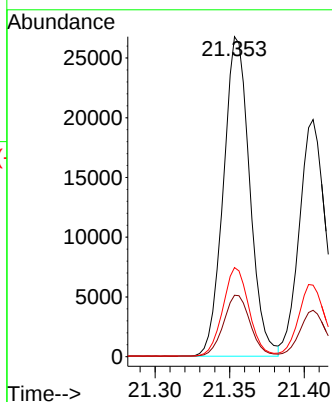
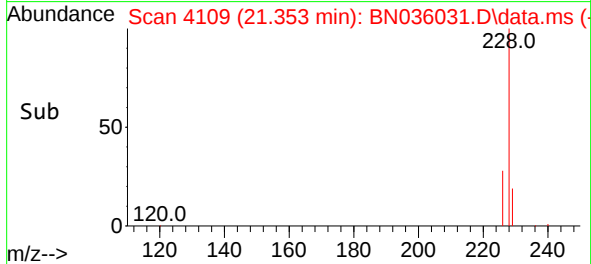
Instrument :
BNA_N
ClientSampleId :
XA177



Tgt Ion:228 Resp: 32780
Ion Ratio Lower Upper
228 100
229 19.2 15.9 23.9
226 27.8 22.8 34.2

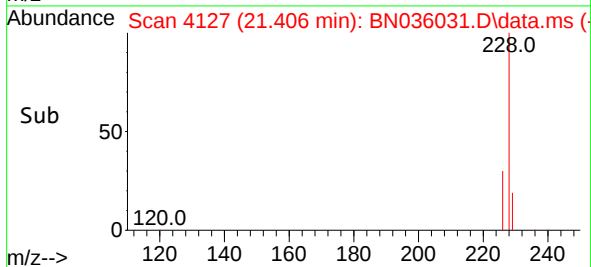
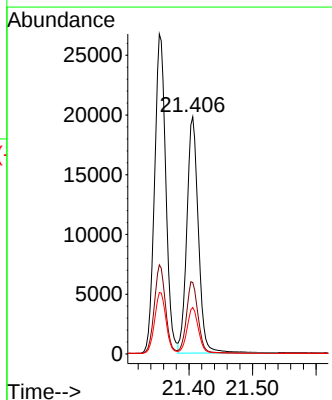
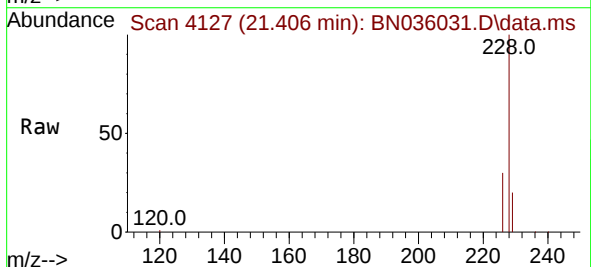
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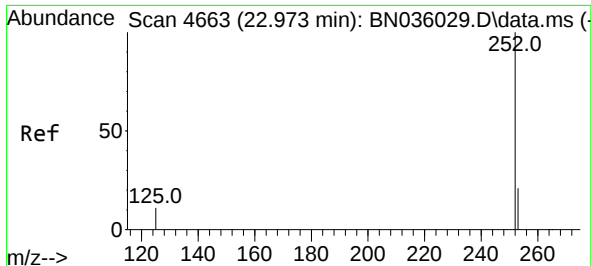
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#22
Chrysene
Concen: 1.523 ng/ul
RT: 21.406 min Scan# 4127
Delta R.T. -0.000 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

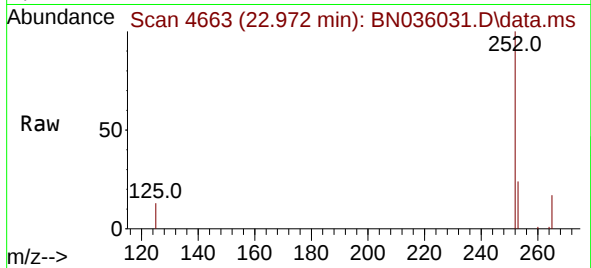
Tgt Ion:228 Resp: 24873
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 19.6 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 0.545 ng/ul
RT: 22.972 min Scan# 4663
Delta R.T. -0.000 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

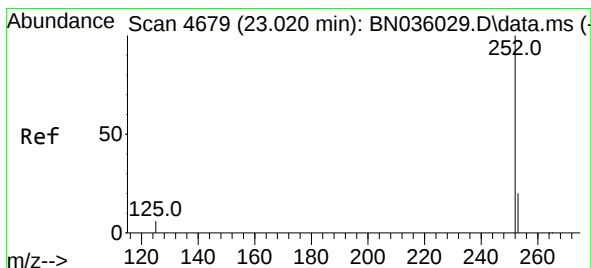
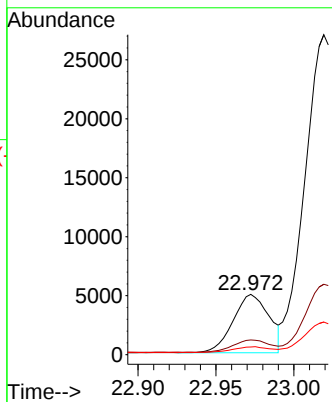
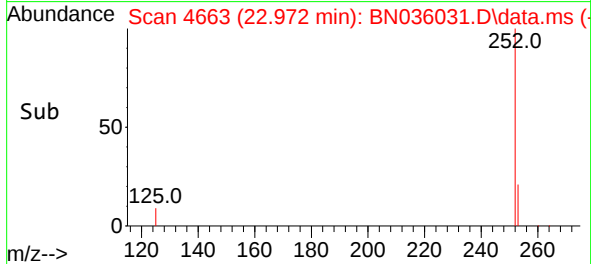
Instrument :
BNA_N
ClientSampleId :
XA177



Tgt Ion:252 Resp: 7954
Ion Ratio Lower Upper
252 100
253 24.5 0.0 51.2
125 12.8 0.0 27.8

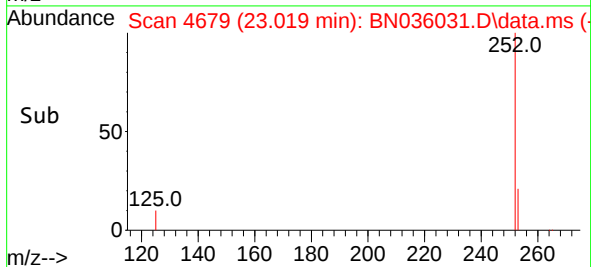
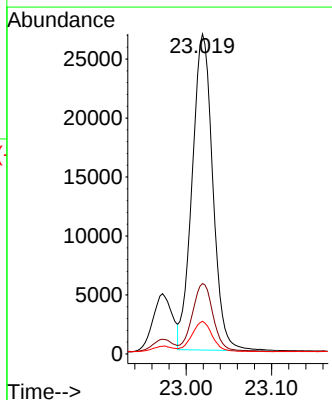
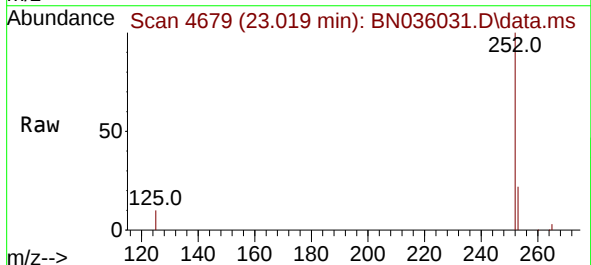
Manual Integrations
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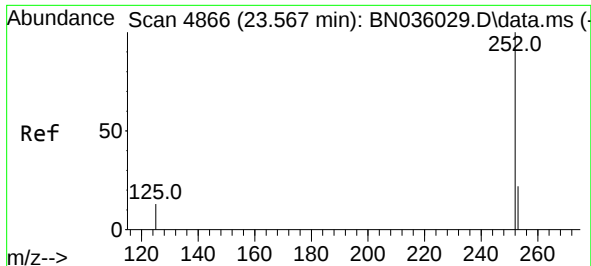
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#25
Benzo(k)fluoranthene
Concen: 2.932 ng/ul m
RT: 23.019 min Scan# 4679
Delta R.T. -0.000 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

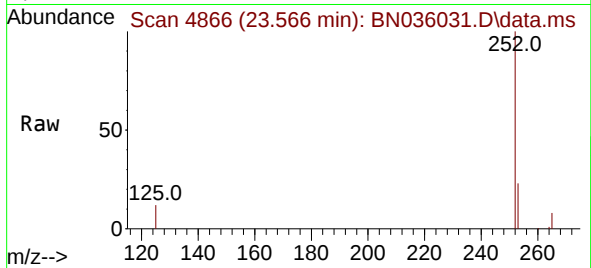
Tgt Ion:252 Resp: 44981
Ion Ratio Lower Upper
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253 22.0 20.2 30.4
125 10.2 10.6 16.0#





#26
Benzo(a)pyrene
Concen: 1.680 ng/ul
RT: 23.566 min Scan# 4866
Delta R.T. 0.002 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

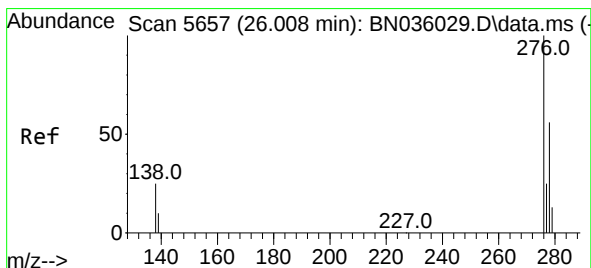
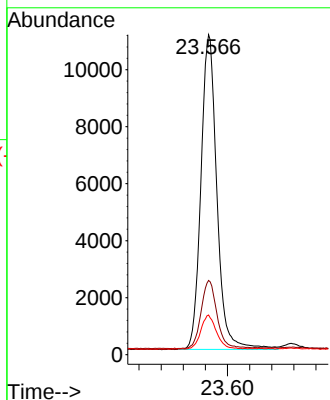
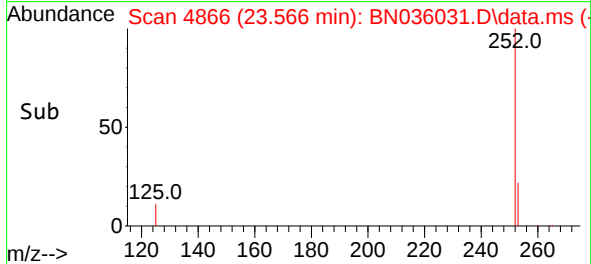
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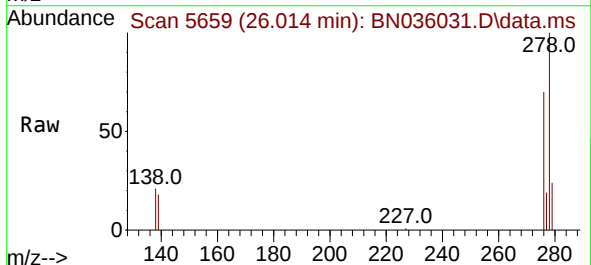
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125 12.4 13.1 19.7

Manual Integrations
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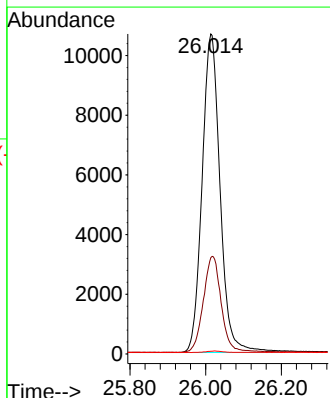
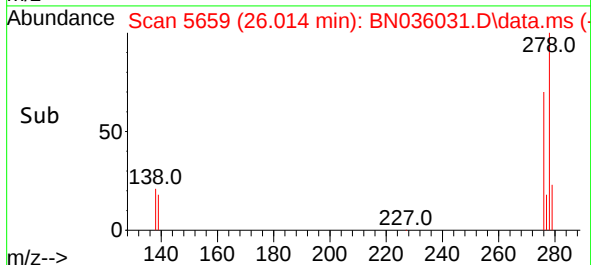
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

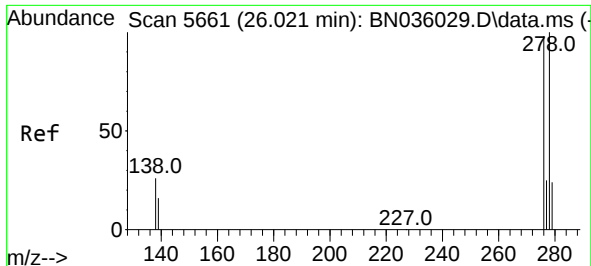


#27
Indeno(1,2,3-cd)pyrene
Concen: 2.024 ng/ul
RT: 26.014 min Scan# 5659
Delta R.T. 0.010 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29



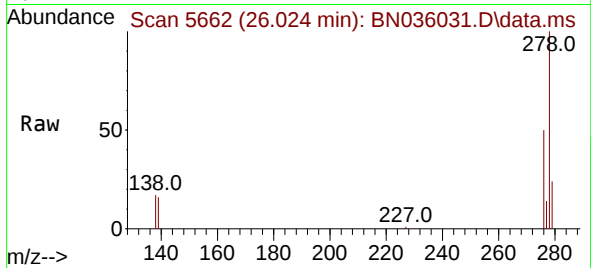
Tgt Ion:276 Resp: 35269
Ion Ratio Lower Upper
276 100
138 30.1 20.2 30.4
227 0.4 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 4.059 ng/ul
RT: 26.024 min Scan# 5661
Delta R.T. 0.003 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29

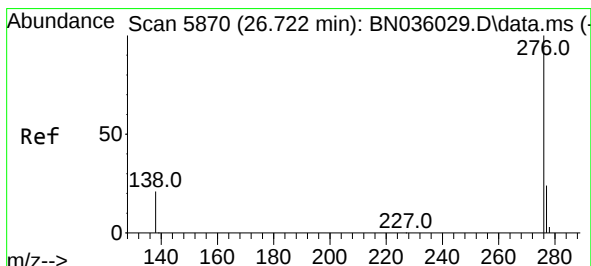
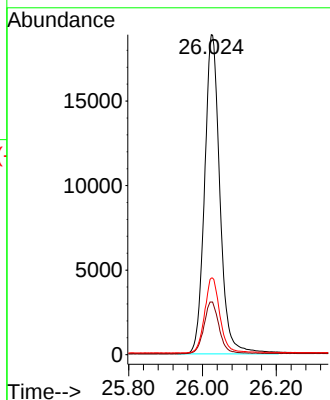
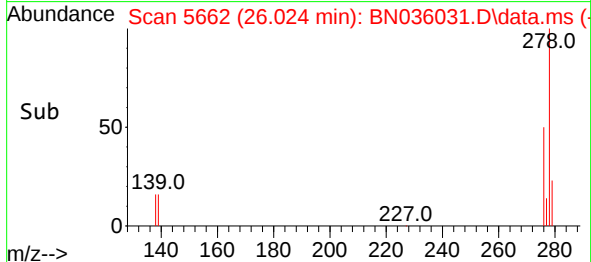
Instrument :
BNA_N
ClientSampleId :
XA177



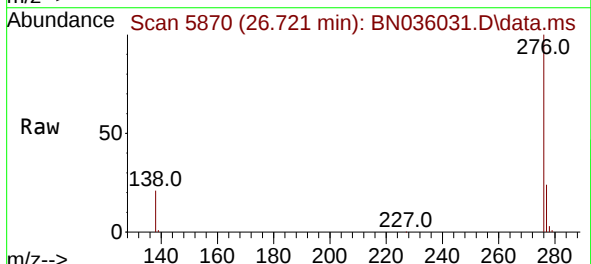
Tgt Ion: 278 Resp: 5451
Ion Ratio Lower Upper
278 100
139 16.5 15.4 23.2
279 24.0 22.2 33.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



#29
Benzo(g,h,i)perylene
Concen: 5.189 ng/ul
RT: 26.721 min Scan# 5870
Delta R.T. 0.003 min
Lab File: BN036031.D
Acq: 27 Jan 2025 11:29



Tgt Ion: 276 Resp: 70242
Ion Ratio Lower Upper
276 100
138 21.1 19.4 29.0
277 23.8 21.1 31.7

