

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021925\
 Data File : BN036468.D
 Acq On : 19 Feb 2025 12:49
 Operator : RC/JU
 Sample : Q1247-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A6317

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/20/2025
 Supervised By :mohammad ahmed 02/20/2025

Quant Time: Feb 19 17:45:02 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 : Fri Feb 07 11:25:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	1662	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.535	136	4429	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.386	164	2983	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.133	188	6215m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.322	240	6208	0.400	ng/ul	#-0.02
23) Perylene-d12	23.590	264	5012m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.227	96	12884	7.080	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	12.135	152	2640	0.472	ng/ul	-0.02
18) Fluoranthene-d10	19.161	212	7886	0.462	ng/ul	-0.02
Target Compounds						
5) Naphthalene	10.584	128	35969	2.948	ng/ul	Qvalue 97
10) Acenaphthylene	14.104	152	246814	17.554	ng/ul	96
11) Acenaphthene	14.451	153	163017	15.752	ng/ul	96
12) Fluorene	15.436	166	35387	3.096	ng/ul	99
15) Phenanthrene	17.171	178	103783	5.703	ng/ul	97
16) Anthracene	17.264	178	106400	6.290	ng/ul	98
19) Fluoranthene	19.193	202	103311	4.379	ng/ul	97
20) Pyrene	19.556	202	114078	4.632	ng/ul#	94
21) Benzo(a)anthracene	21.304	228	47422	2.140	ng/ul	99
22) Chrysene	21.359	228	34907	1.542	ng/ul	99
24) Benzo(b)fluoranthene	22.903	252	118152m	7.064	ng/ul	
25) Benzo(k)fluoranthene	22.949	252	52776	3.001	ng/ul	96
26) Benzo(a)pyrene	23.490	252	45452	3.009	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.890	276	37991	1.902	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.903	278	38225	2.483	ng/ul	95
29) Benzo(g,h,i)perylene	26.591	276	33595	2.165	ng/ul	96

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

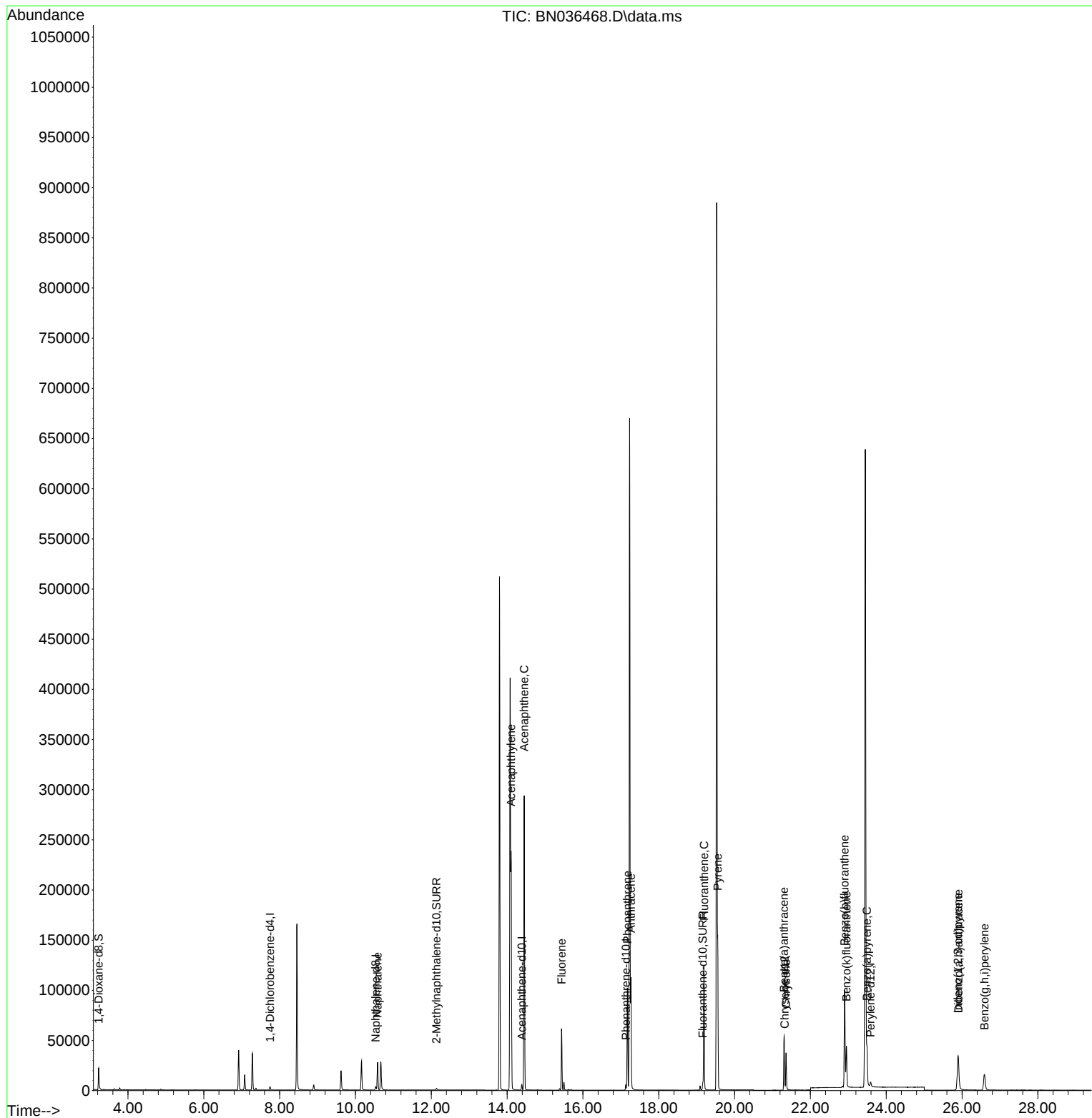
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021925\
Data File : BN036468.D
Acq On : 19 Feb 2025 12:49
Operator : RC/JU
Sample : Q1247-01
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ALS Vial : 4 Sample Multiplier: 1

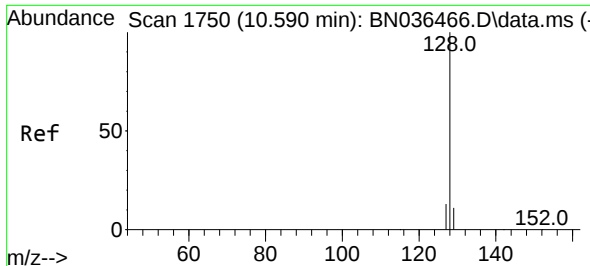
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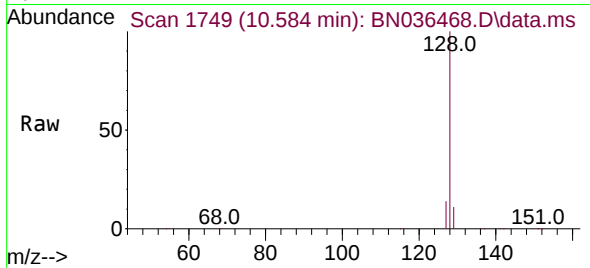
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 07 11:25:57 2025
Response via : Initial Calibration





#5
Naphthalene
Concen: 2.948 ng/ul
RT: 10.584 min Scan# 1749
Delta R.T. -0.022 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

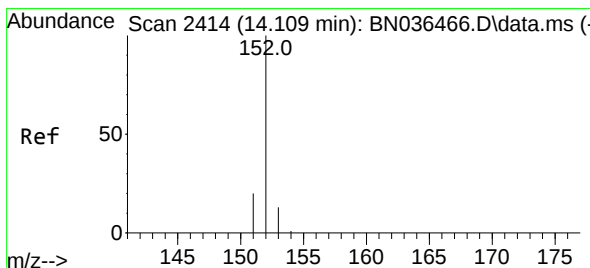
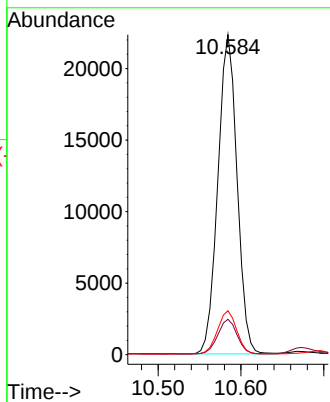
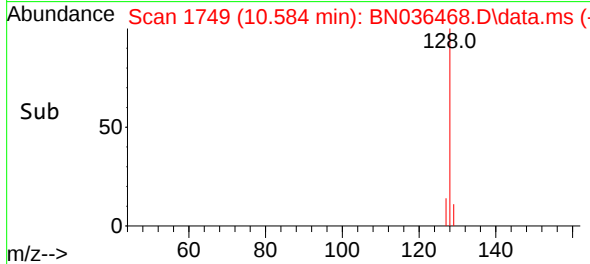
Instrument :
BNA_N
ClientSampleId :
A6317



Tgt Ion:128 Resp: 35969
Ion Ratio Lower Upper
128 100
129 11.0 9.6 14.4
127 13.8 12.0 18.0

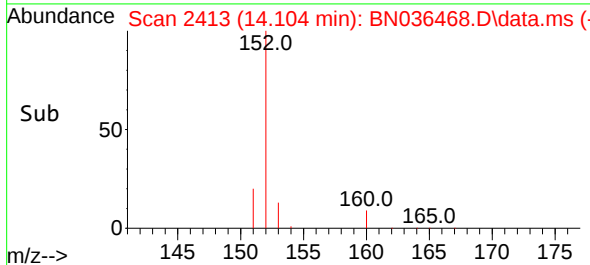
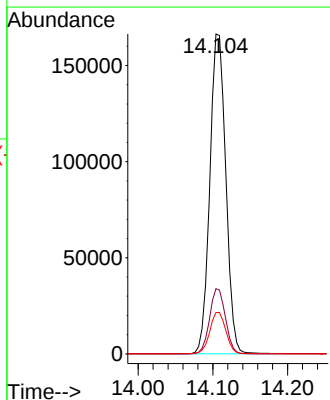
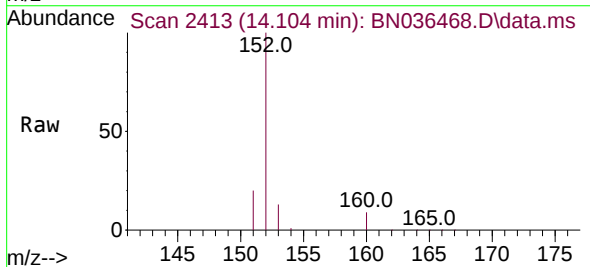
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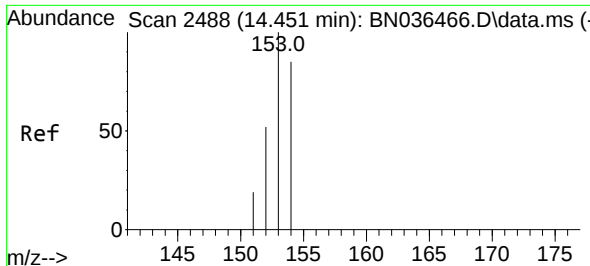
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :mohammad ahmed 02/20/2025



#10
Acenaphthylene
Concen: 17.554 ng/ul
RT: 14.104 min Scan# 2413
Delta R.T. -0.023 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

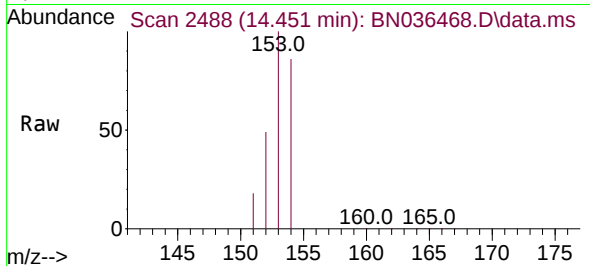
Tgt Ion:152 Resp: 246814
Ion Ratio Lower Upper
152 100
151 20.4 17.4 26.2
153 13.0 11.9 17.9





#11
Acenaphthene
Concen: 15.752 ng/ul
RT: 14.451 min Scan# 2488
Delta R.T. -0.018 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

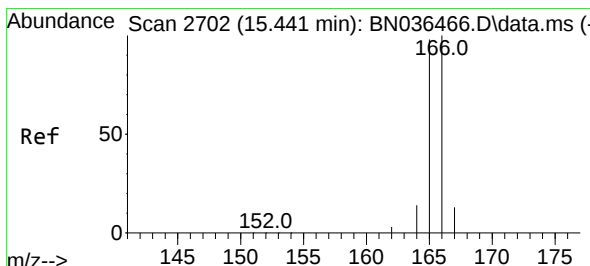
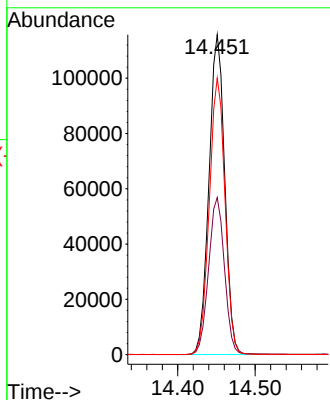
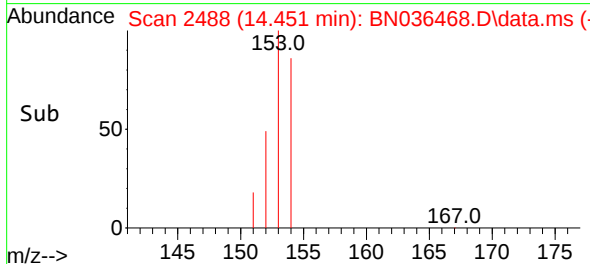
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Tgt Ion:153 Resp: 163017
Ion Ratio Lower Upper
153 100
152 49.1 43.2 64.8
154 86.5 70.5 105.7

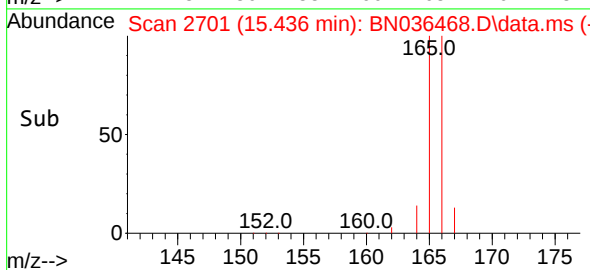
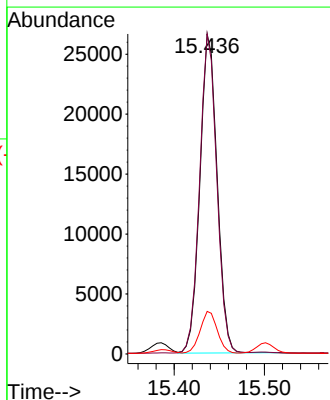
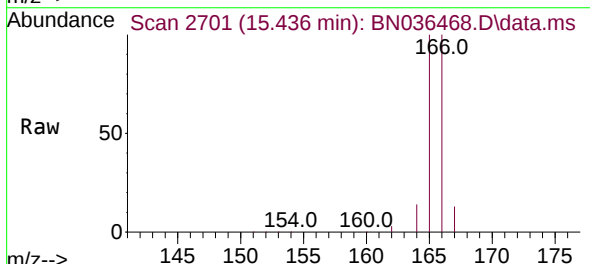
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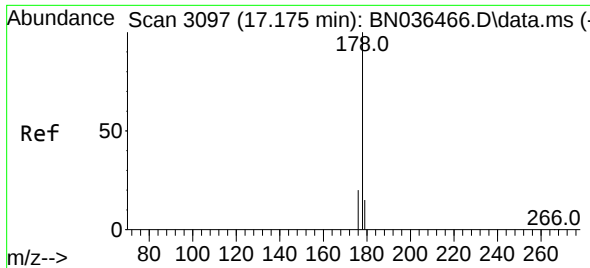
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :mohammad ahmed 02/20/2025



#12
Fluorene
Concen: 3.096 ng/ul
RT: 15.436 min Scan# 2701
Delta R.T. -0.023 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

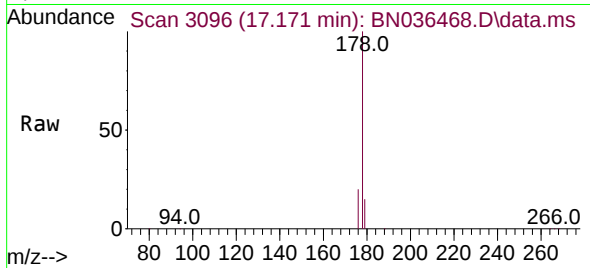
Tgt Ion:166 Resp: 35387
Ion Ratio Lower Upper
166 100
165 100.0 80.3 120.5
167 13.3 12.3 18.5





#15
Phenanthrene
Concen: 5.703 ng/u1
RT: 17.171 min Scan# 3096
Delta R.T. -0.025 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

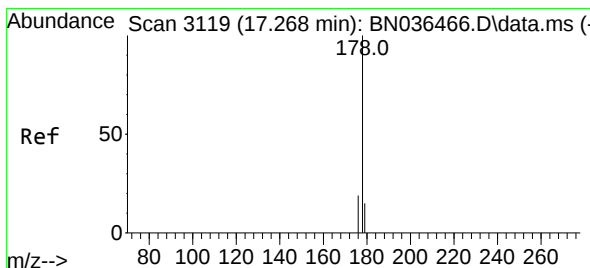
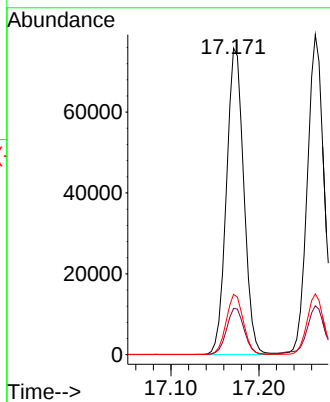
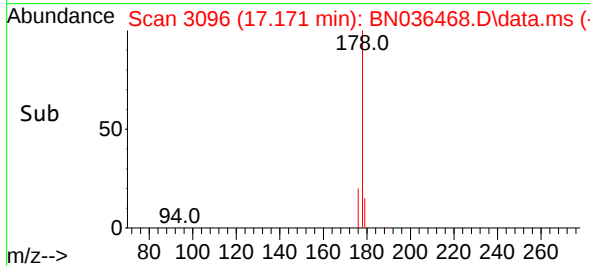
Instrument :
BNA_N
ClientSampleId :
A6317



Tgt Ion:178 Resp: 10378
Ion Ratio Lower Upper
178 100
179 15.1 13.2 19.8
176 19.7 16.8 25.2

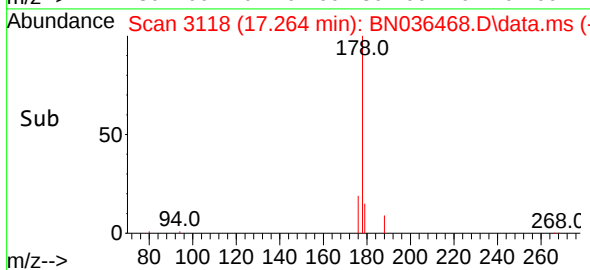
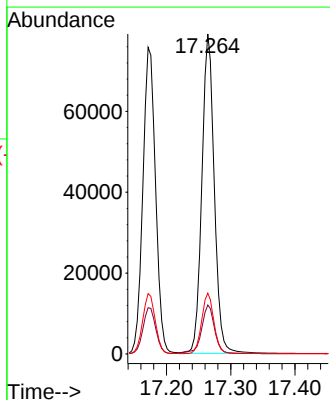
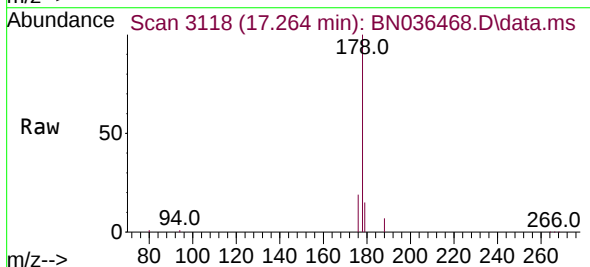
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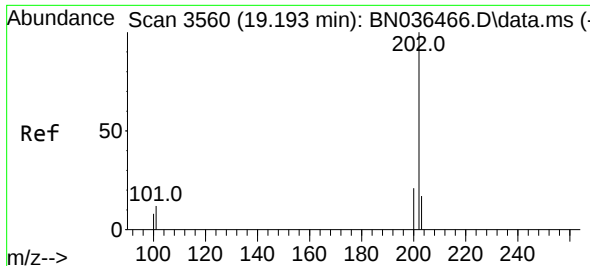
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :mohammad ahmed 02/20/2025



#16
Anthracene
Concen: 6.290 ng/u1
RT: 17.264 min Scan# 3118
Delta R.T. -0.025 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

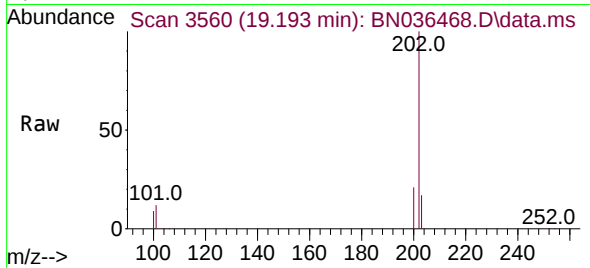
Tgt Ion:178 Resp: 106400
Ion Ratio Lower Upper
178 100
179 15.3 13.0 19.4
176 19.0 15.9 23.9





#19
Fluoranthene
Concen: 4.379 ng/u1
RT: 19.193 min Scan# 3560
Delta R.T. -0.018 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

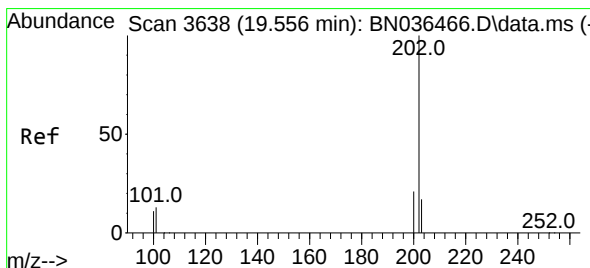
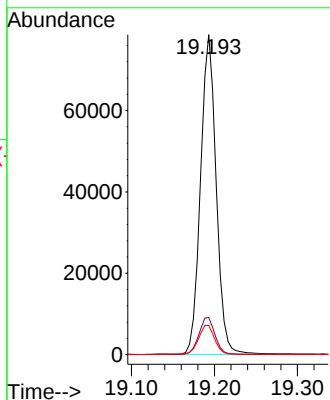
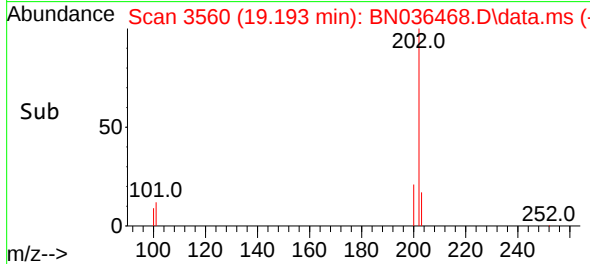
Instrument :
BNA_N
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A6317



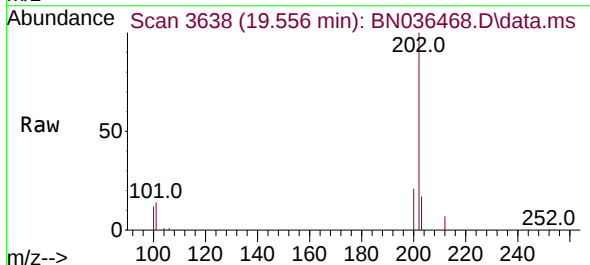
Tgt Ion:202 Resp: 10331
Ion Ratio Lower Upper
202 100
101 11.6 8.4 12.6
100 9.1 6.5 9.7

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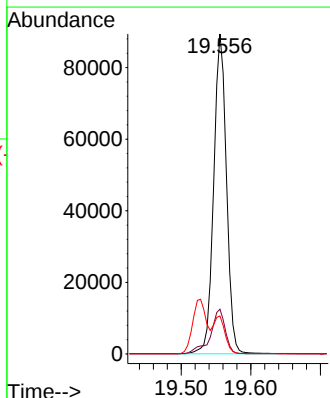
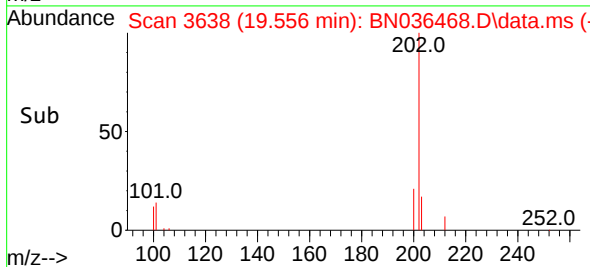
Reviewed By :Yogesh Patel 02/20/2025
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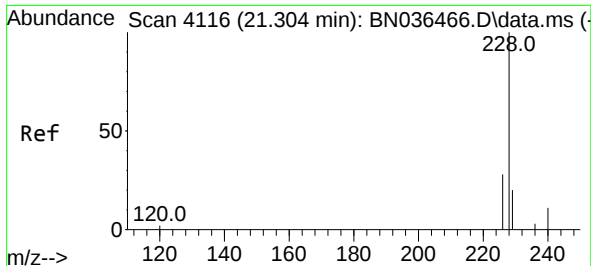


#20
Pyrene
Concen: 4.632 ng/u1
RT: 19.556 min Scan# 3638
Delta R.T. -0.018 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49



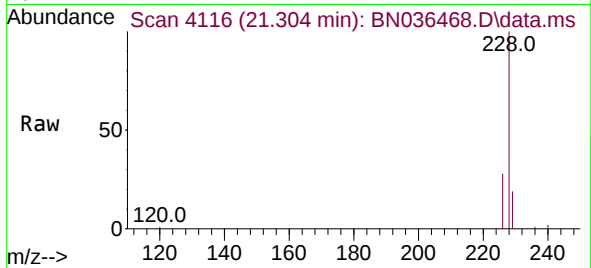
Tgt Ion:202 Resp: 114078
Ion Ratio Lower Upper
202 100
101 14.0 9.3 13.9#
100 11.9 7.5 11.3#





#21
Benzo(a)anthracene
Concen: 2.140 ng/ul
RT: 21.304 min Scan# 4116
Delta R.T. -0.020 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

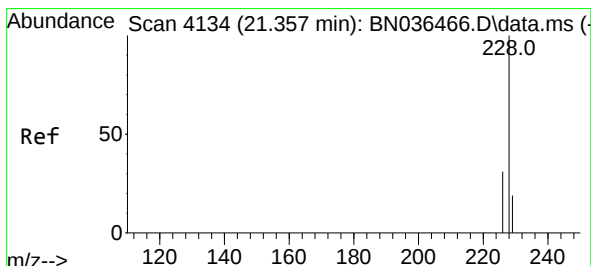
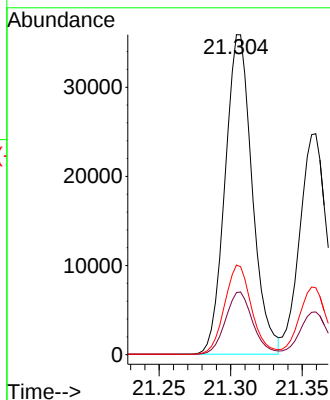
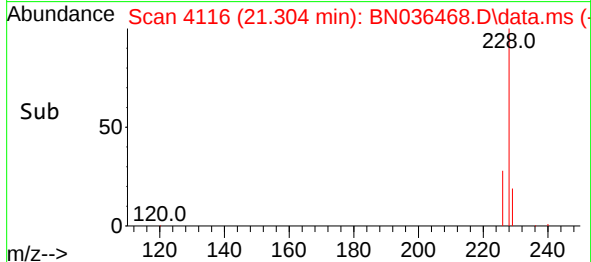
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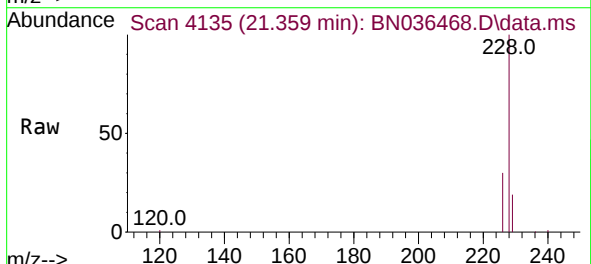
Tgt Ion:228 Resp: 4742
Ion Ratio Lower Upper
228 100
229 19.4 15.9 23.9
226 28.0 22.8 34.2

Manual Integrations
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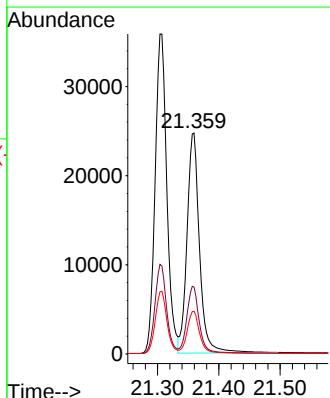
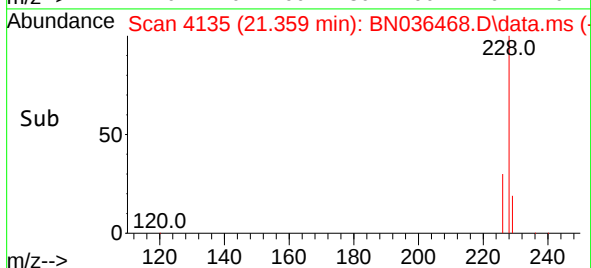
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :mohammad ahmed 02/20/2025

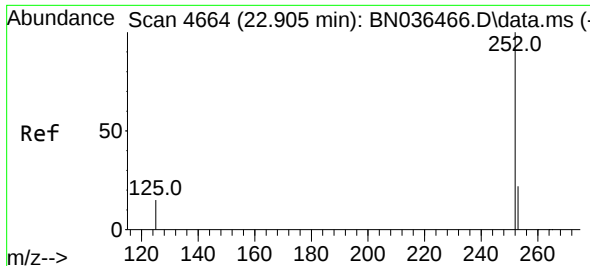


#22
Chrysene
Concen: 1.542 ng/ul
RT: 21.359 min Scan# 4135
Delta R.T. -0.017 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49



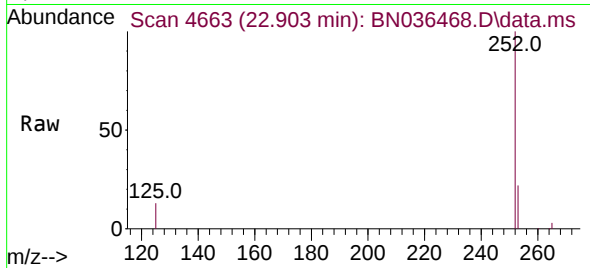
Tgt Ion:228 Resp: 34907
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 19.3 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 7.064 ng/ul m
RT: 22.903 min Scan# 4663
Delta R.T. -0.029 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

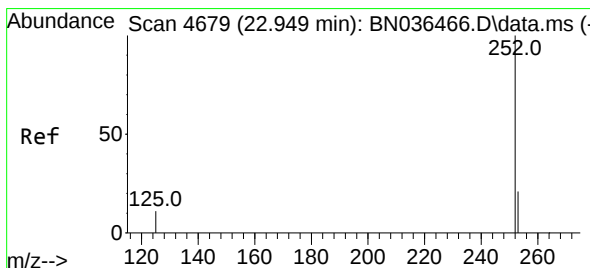
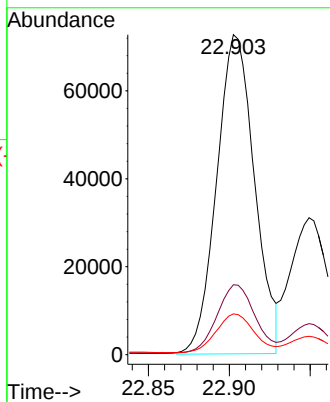
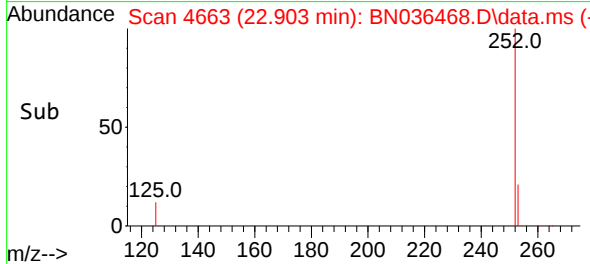
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Tgt Ion:252 Resp: 118152
Ion Ratio Lower Upper
252 100
253 21.8 0.0 51.2
125 12.7 0.0 27.8

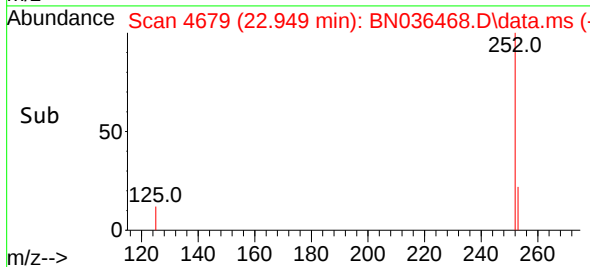
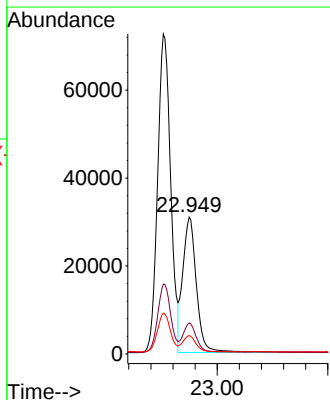
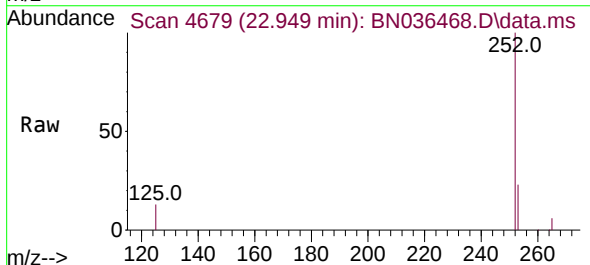
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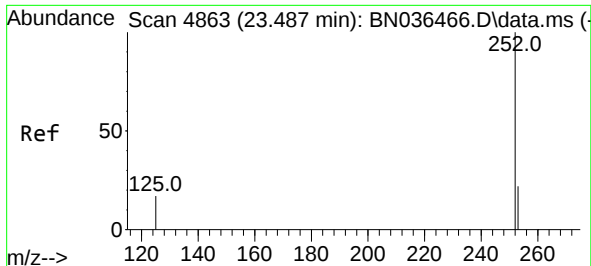
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :mohammad ahmed 02/20/2025



#25
Benzo(k)fluoranthene
Concen: 3.001 ng/ul
RT: 22.949 min Scan# 4679
Delta R.T. -0.026 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

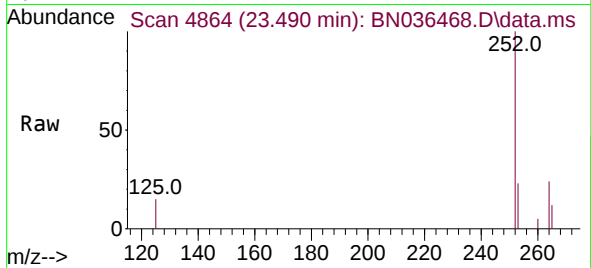
Tgt Ion:252 Resp: 52776
Ion Ratio Lower Upper
252 100
253 22.6 20.2 30.4
125 13.4 10.6 16.0





#26
Benzo(a)pyrene
Concen: 3.009 ng/ul
RT: 23.490 min Scan# 4864
Delta R.T. -0.029 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

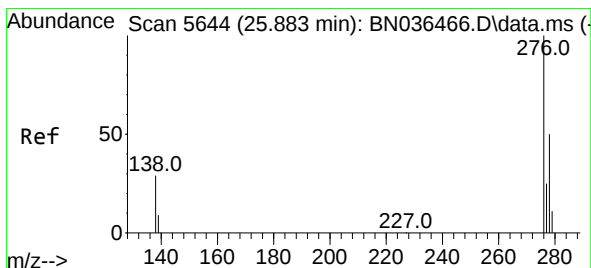
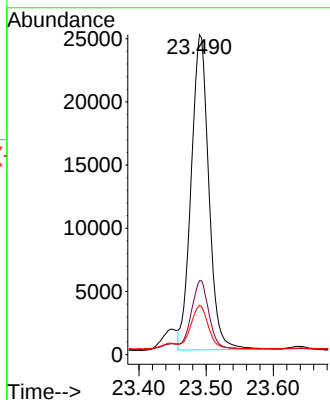
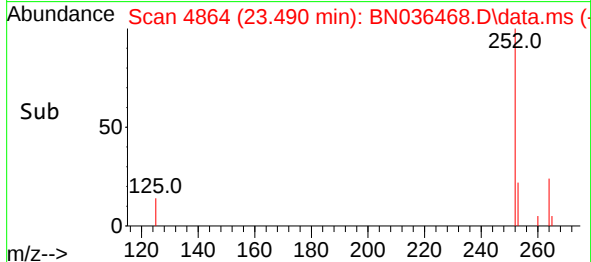
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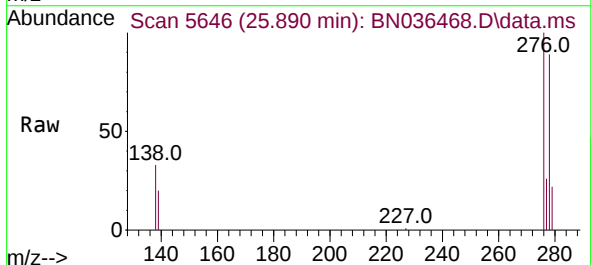
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Ion Ratio Lower Upper
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125 15.4 13.1 19.7

Manual Integrations
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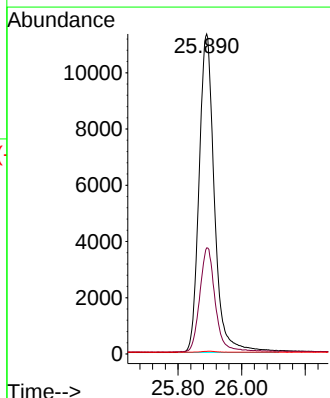
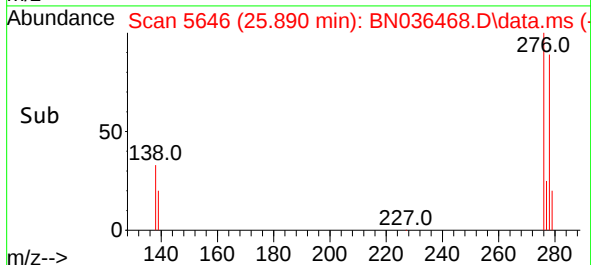
Reviewed By :Yogesh Patel 02/20/2025
Supervised By :mohammad ahmed 02/20/2025

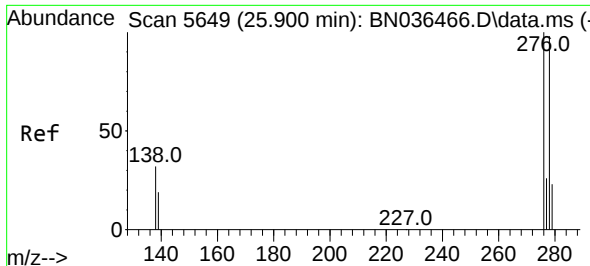


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.902 ng/ul
RT: 25.890 min Scan# 5646
Delta R.T. -0.040 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49



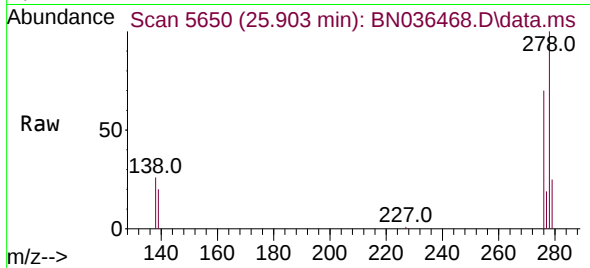
Tgt Ion:276 Resp: 37991
Ion Ratio Lower Upper
276 100
138 32.8 20.2 30.4#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 2.483 ng/ul
RT: 25.903 min Scan# 5649
Delta R.T. -0.047 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49

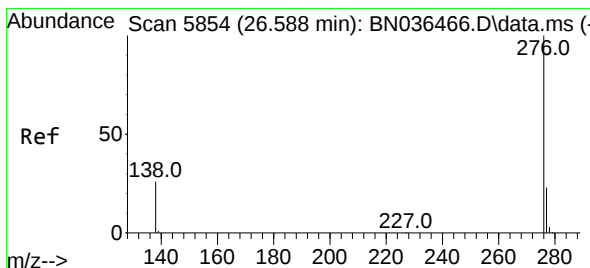
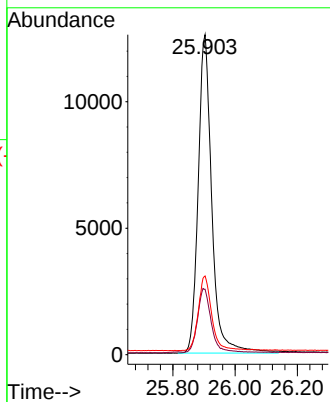
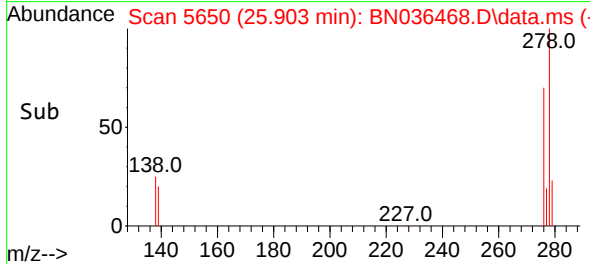
Instrument :
BNA_N
ClientSampleId :
A6317



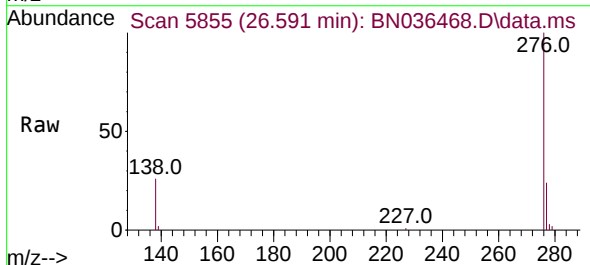
Tgt Ion:278 Resp: 38225
Ion Ratio Lower Upper
278 100
139 20.5 15.4 23.2
279 24.6 22.2 33.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/20/2025
Supervised By :mohammad ahmed 02/20/2025



#29
Benzo(g,h,i)perylene
Concen: 2.165 ng/ul
RT: 26.591 min Scan# 5855
Delta R.T. -0.047 min
Lab File: BN036468.D
Acq: 19 Feb 2025 12:49



Tgt Ion:276 Resp: 33595
Ion Ratio Lower Upper
276 100
138 26.1 19.4 29.0
277 23.9 21.1 31.7

