

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071323\
 Data File : BN026494.D
 Acq On : 13 Jul 2023 19:15
 Operator : MA/JU
 Sample : 03418-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A46F3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/14/2023
 Supervised By :mohammad ahmed 07/14/2023

Quant Time: Jul 14 04:37:58 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 04:32:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	3115	0.400	ng/ul	0.00
4) Naphthalene-d8	10.792	136	9675	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.617	164	5744	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.360	188	13275	0.400	ng/ul	0.00
17) Chrysene-d12	21.553	240	8352	0.400	ng/ul	-0.01
23) Perylene-d12	23.991	264	9846	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	19847	4.838	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.382	152	8059	0.613	ng/ul	0.00
18) Fluoranthene-d10	19.388	212	16918	0.584	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.842	128	1465	0.055	ng/ul#	84
7) 2-Methylnaphthalene	12.459	142	457	0.030	ng/ul	93
8) 1-Methylnaphthalene	12.673	142	341	0.021	ng/ul	83
10) Acenaphthylene	14.340	152	1346	0.048	ng/ul#	68
12) Fluorene	15.663	166	1267	0.056	ng/ul#	90
15) Phenanthrene	17.403	178	12913	0.305	ng/ul	99
16) Anthracene	17.491	178	2284	0.062	ng/ul#	86
19) Fluoranthene	19.420	202	25801	0.659	ng/ul	97
20) Pyrene	19.783	202	26118	0.614	ng/ul	98
21) Benzo(a)anthracene	21.539	228	12987	0.423	ng/ul#	94
22) Chrysene	21.591	228	11375	0.326	ng/ul#	93
24) Benzo(b)fluoranthene	23.249	252	16013m	0.417	ng/ul	
25) Benzo(k)fluoranthene	23.287	252	5802m	0.144	ng/ul	
26) Benzo(a)pyrene	23.880	252	11352	0.332	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.535	276	7190	0.161	ng/ul#	76
28) Dibenzo(a,h)anthracene	26.538	278	1704	0.050	ng/ul#	19
29) Benzo(g,h,i)perylene	27.330	276	7481	0.189	ng/ul	95

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

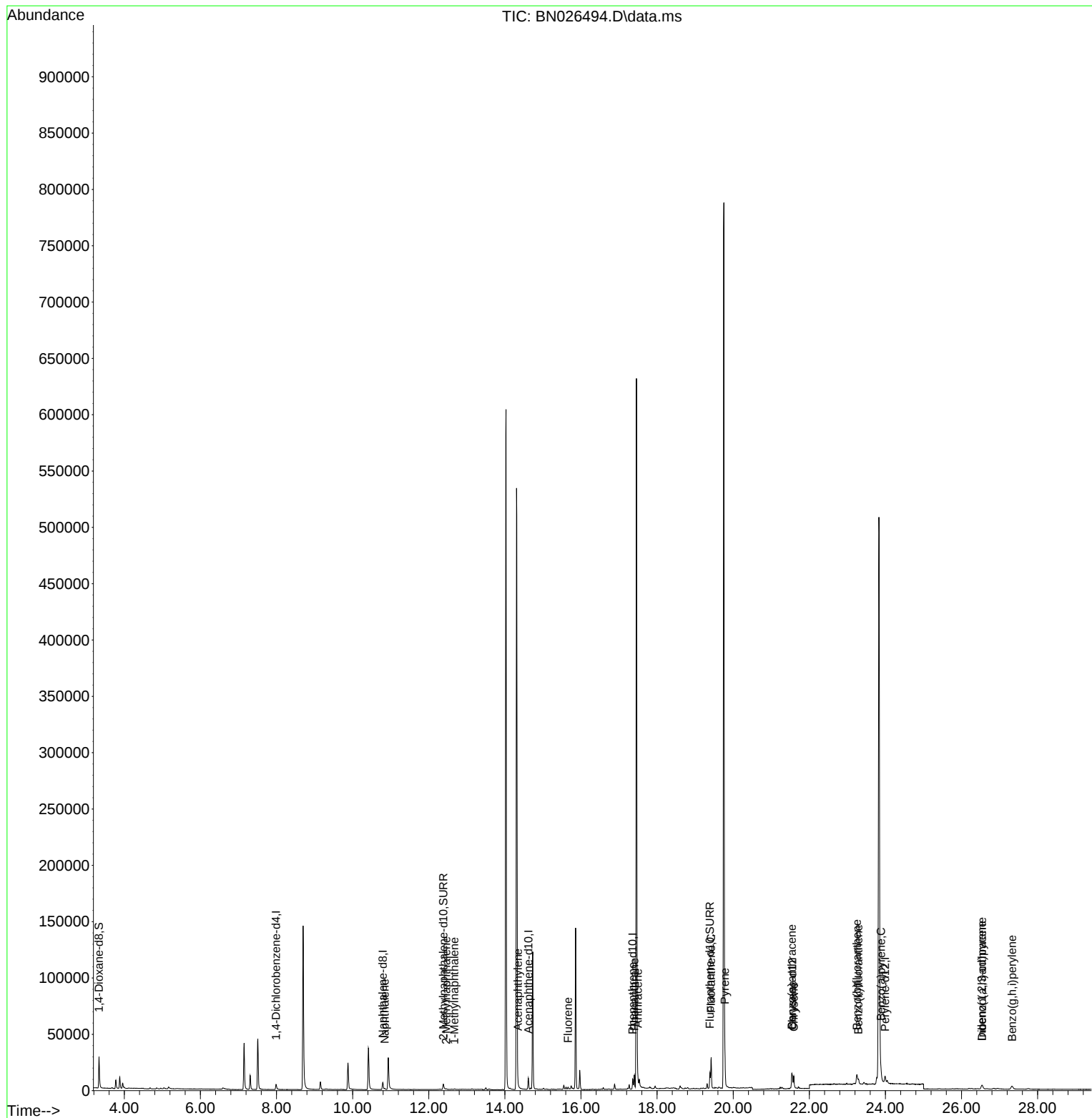
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071323\
Data File : BN026494.D
Acq On : 13 Jul 2023 19:15
Operator : MA/JU
Sample : 03418-02
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ALS Vial : 10 Sample Multiplier: 1

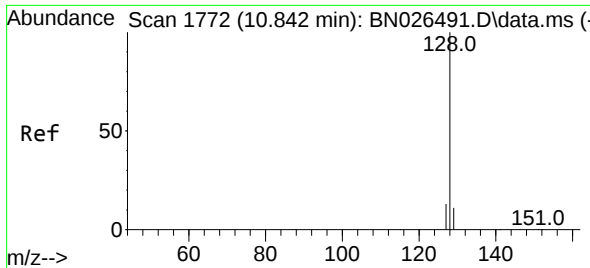
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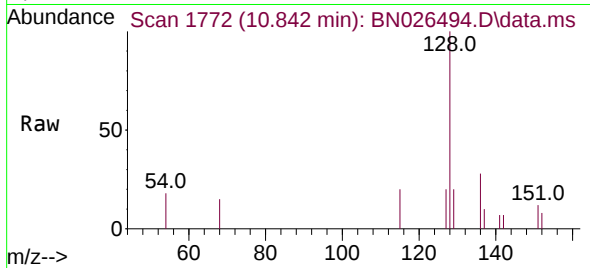
Quant Time: Jul 14 04:37:58 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 04:32:14 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.055 ng/ul
RT: 10.842 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

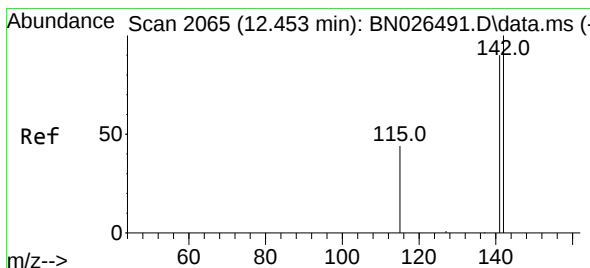
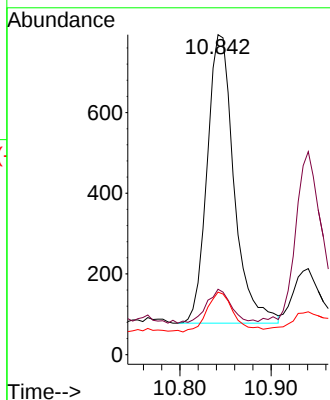
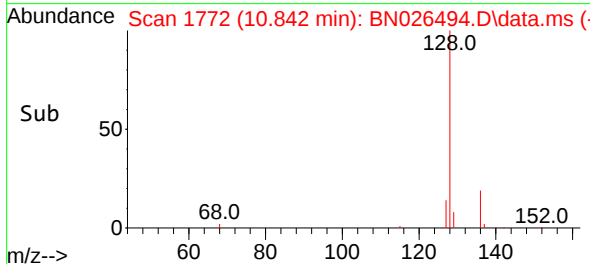
Instrument :
BNA_N
ClientSampleId :
A46F3



Tgt Ion:128 Resp: 146
Ion Ratio Lower Upper
128 100
129 20.4 10.2 15.2
127 19.5 11.4 17.0

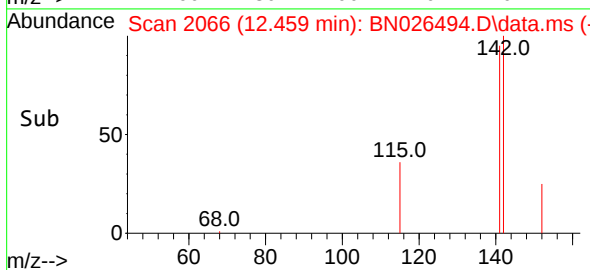
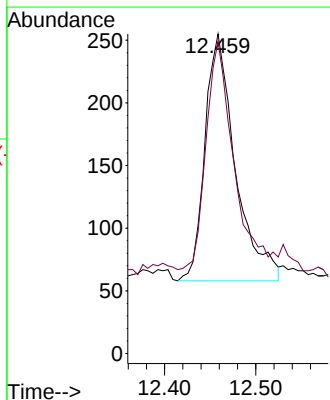
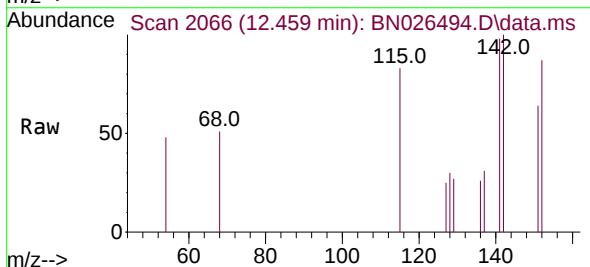
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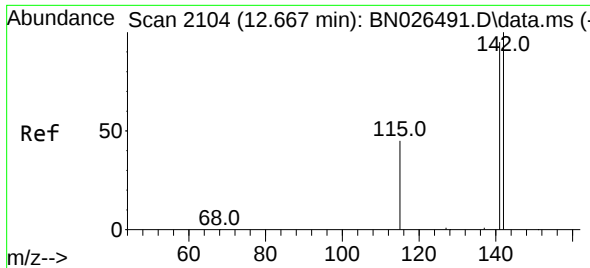
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#7
2-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.459 min Scan# 2066
Delta R.T. 0.006 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

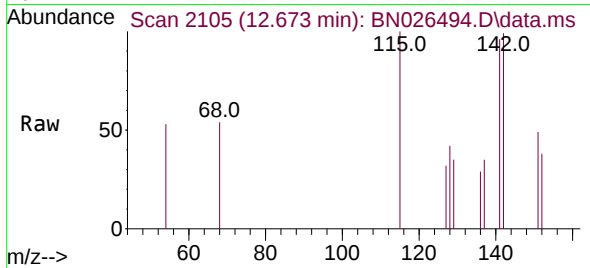
Tgt Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
141 84.0 72.3 108.5





#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.673 min Scan# 2105
Delta R.T. 0.006 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

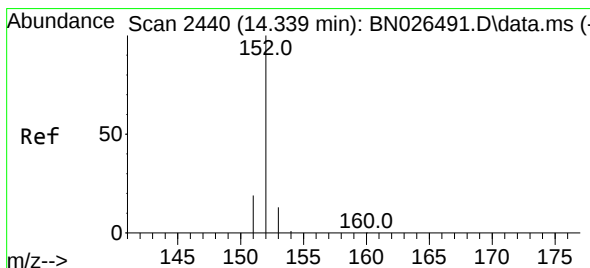
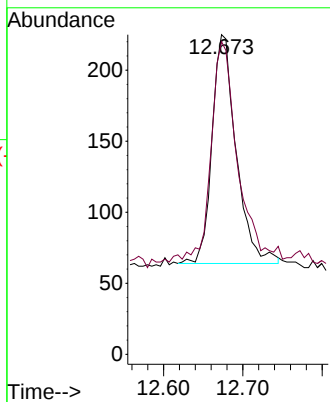
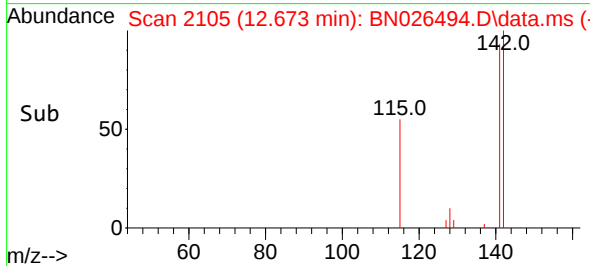
Instrument :
BNA_N
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Tgt Ion:142 Resp: 34
Ion Ratio Lower Upper
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141 109.1 74.5 111.7

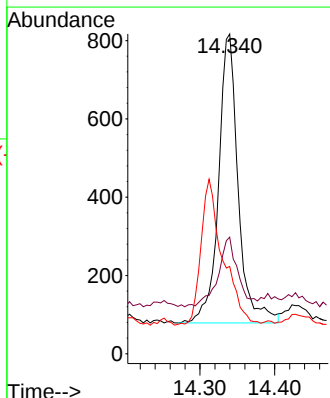
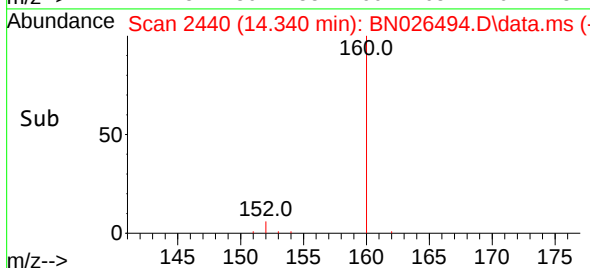
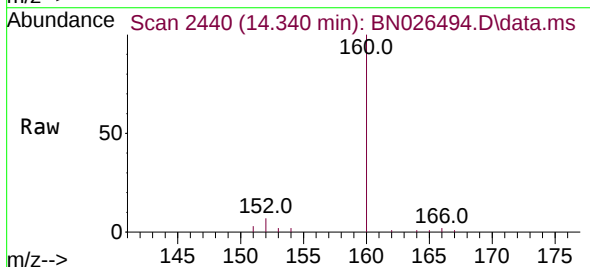
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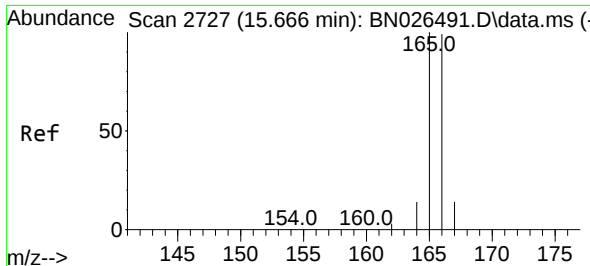
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#10
Acenaphthylene
Concen: 0.048 ng/ul
RT: 14.340 min Scan# 2440
Delta R.T. 0.001 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

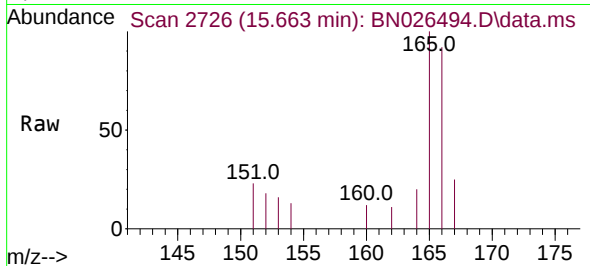
Tgt Ion:152 Resp: 1346
Ion Ratio Lower Upper
152 100
151 36.5 17.0 25.6#
153 27.3 11.4 17.2#





#12
Fluorene
Concen: 0.056 ng/ul
RT: 15.663 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

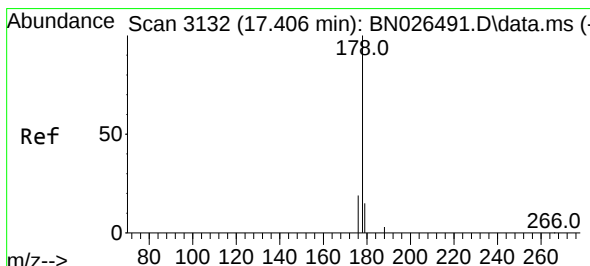
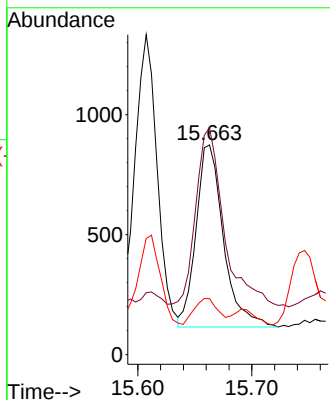
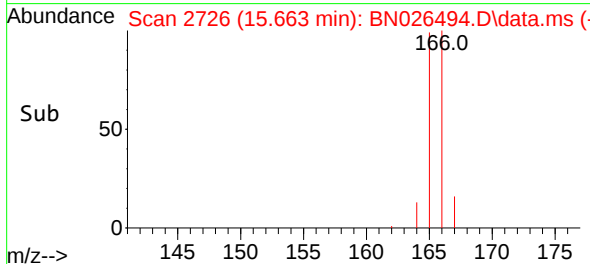
Instrument :
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Tgt Ion:166 Resp: 126
Ion Ratio Lower Upper
166 100
165 108.1 80.6 120.8
167 26.7 12.0 18.0

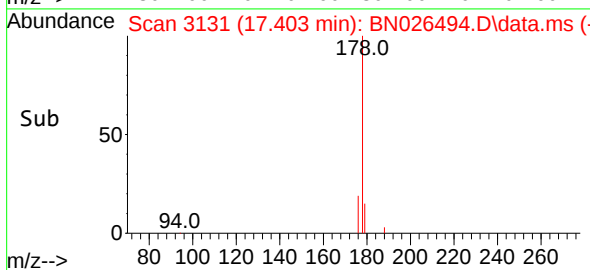
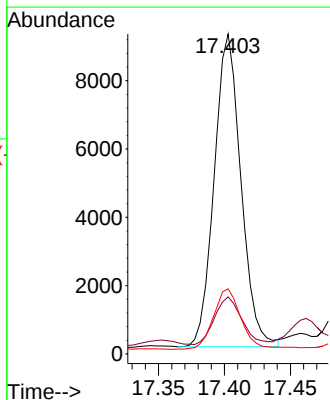
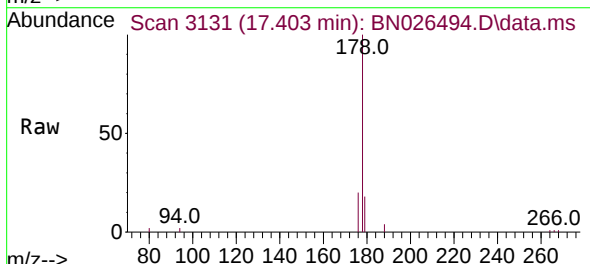
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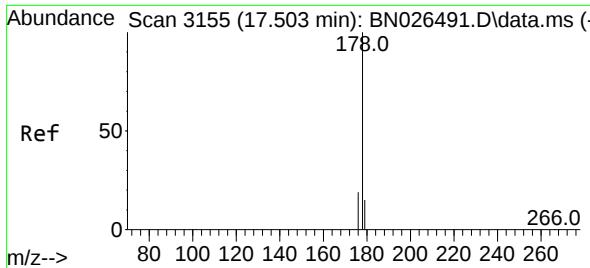
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#15
Phenanthrene
Concen: 0.305 ng/ul
RT: 17.403 min Scan# 3131
Delta R.T. -0.003 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

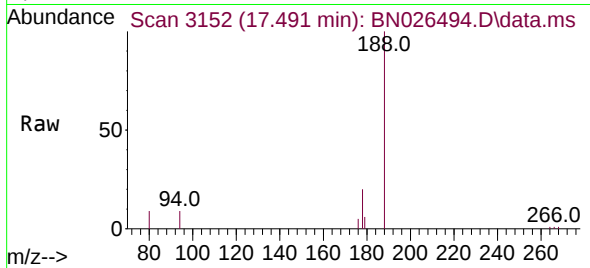
Tgt Ion:178 Resp: 12913
Ion Ratio Lower Upper
178 100
179 17.8 13.7 20.5
176 20.4 16.5 24.7





#16
 Anthracene
 Concen: 0.062 ng/ul
 RT: 17.491 min Scan# 3155
 Delta R.T. -0.012 min
 Lab File: BN026494.D
 Acq: 13 Jul 2023 19:15

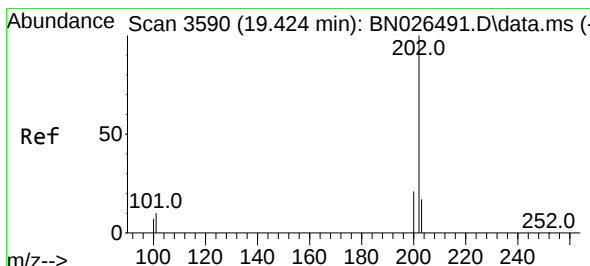
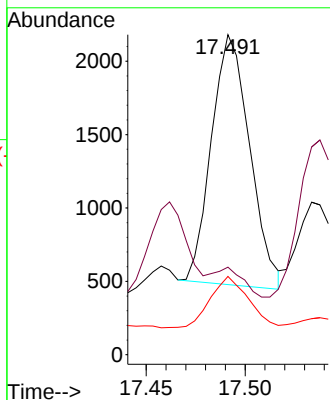
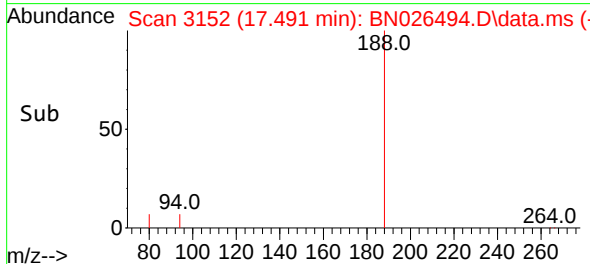
Instrument :
 BNA_N
 ClientSampleId :
 A46F3



Tgt Ion:178 Resp: 2284
 Ion Ratio Lower Upper
 178 100
 179 27.4 14.8 22.2
 176 24.5 16.6 25.0

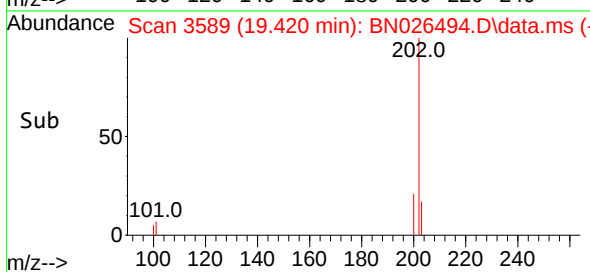
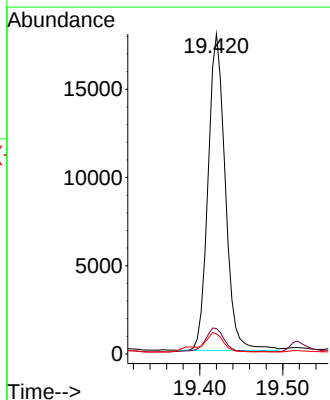
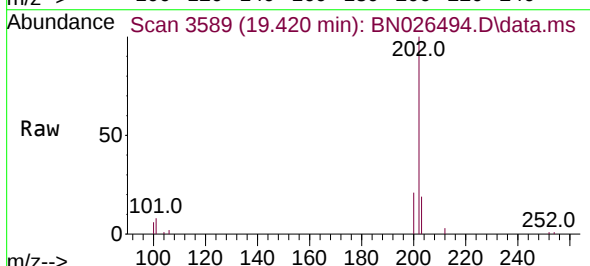
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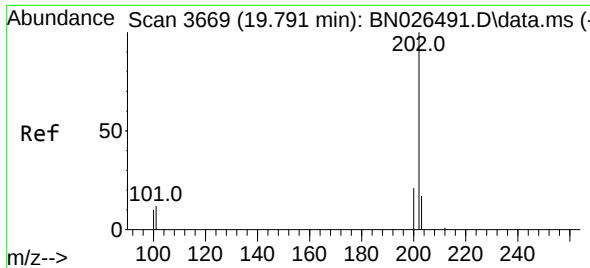
Reviewed By :Yogesh Patel 07/14/2023
 Supervised By :mohammad ahmed 07/14/2023



#19
 Fluoranthene
 Concen: 0.659 ng/ul
 RT: 19.420 min Scan# 3589
 Delta R.T. -0.004 min
 Lab File: BN026494.D
 Acq: 13 Jul 2023 19:15

Tgt Ion:202 Resp: 25801
 Ion Ratio Lower Upper
 202 100
 101 7.9 7.0 10.4
 100 6.3 6.0 9.0





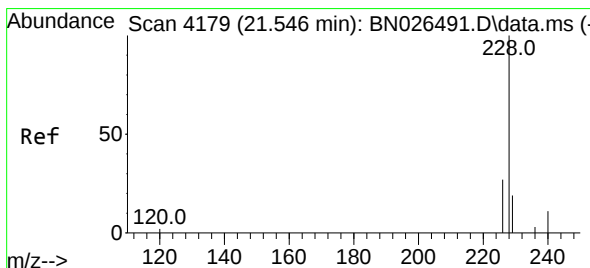
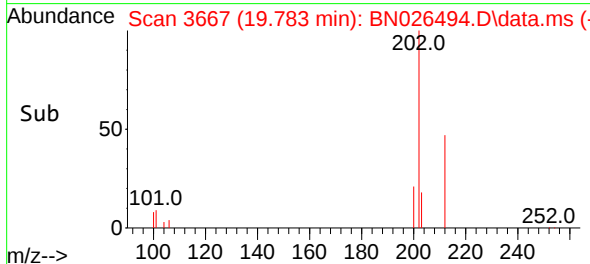
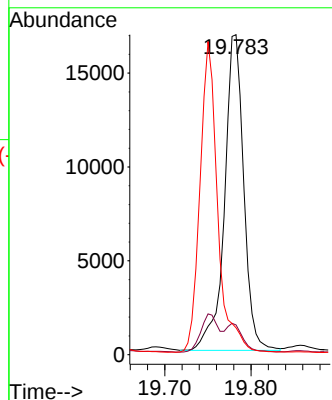
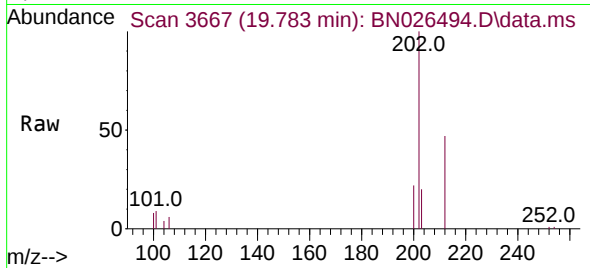
#20
Pyrene
Concen: 0.614 ng/ul
RT: 19.783 min Scan# 30
Delta R.T. -0.008 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

Instrument :
BNA_N
ClientSampleId :
A46F3

Tgt Ion:202 Resp: 26118
Ion Ratio Lower Upper
202 100
101 9.3 8.0 12.0
100 8.4 6.2 9.2

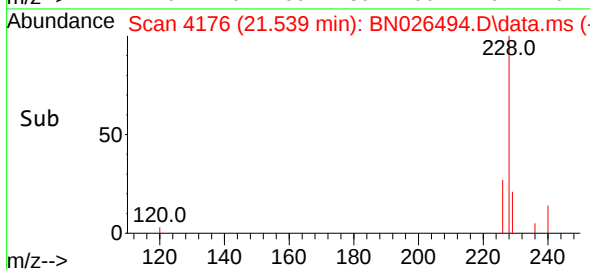
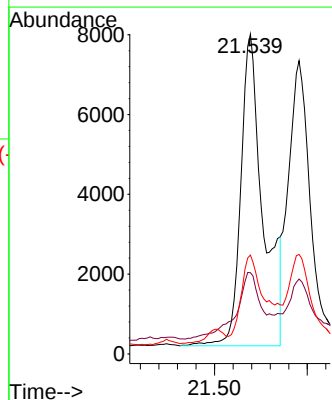
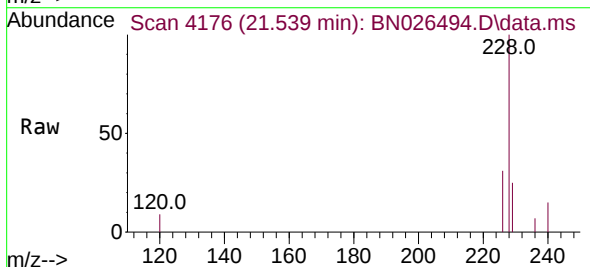
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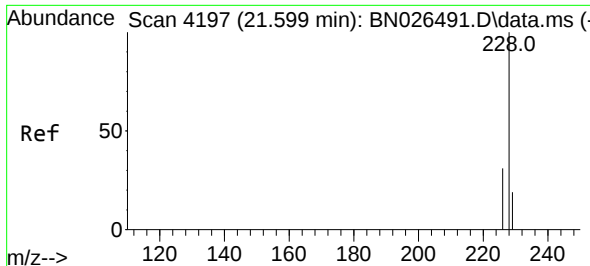
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#21
Benzo(a)anthracene
Concen: 0.423 ng/ul
RT: 21.539 min Scan# 4176
Delta R.T. -0.008 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

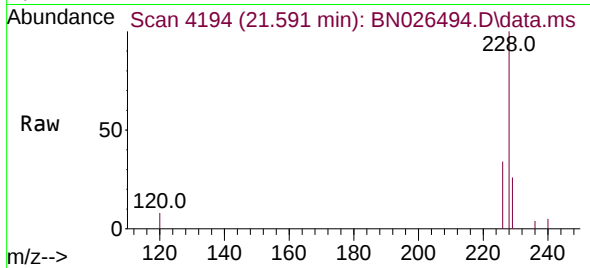
Tgt Ion:228 Resp: 12987
Ion Ratio Lower Upper
228 100
229 25.4 16.7 25.1#
226 30.9 23.5 35.3





#22
Chrysene
Concen: 0.326 ng/ul
RT: 21.591 min Scan# 4194
Delta R.T. -0.008 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

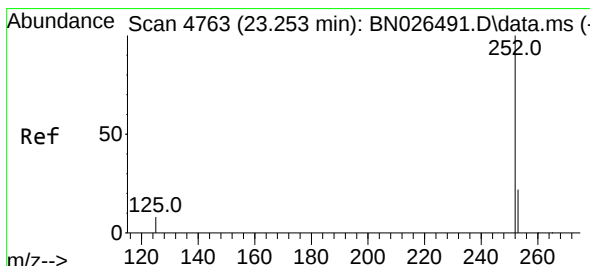
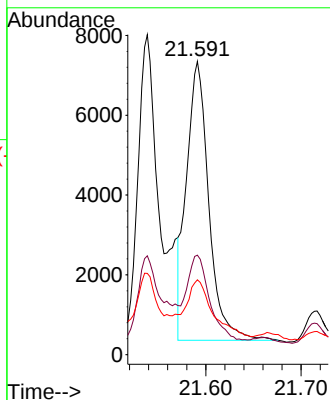
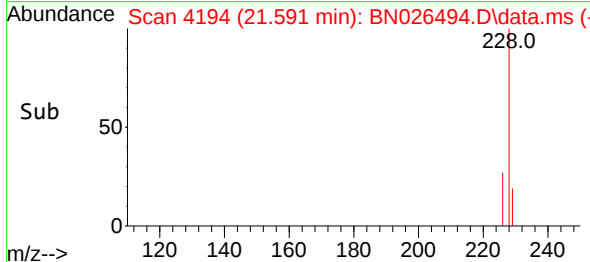
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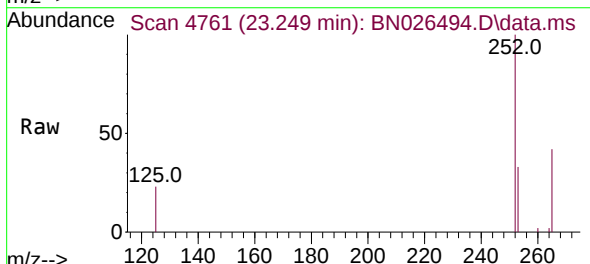
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Ion Ratio Lower Upper
228 100
226 33.9 25.2 37.8
229 25.5 16.4 24.6

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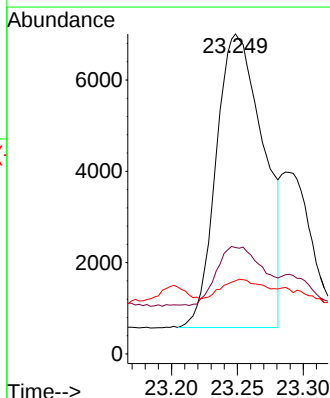
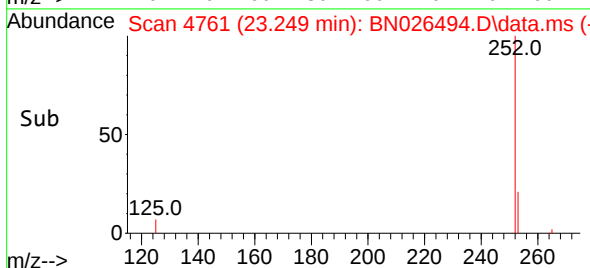
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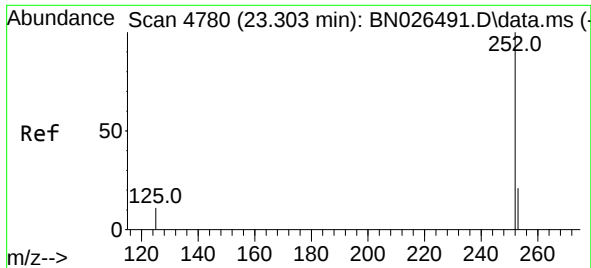


#24
Benzo(b)fluoranthene
Concen: 0.417 ng/ul m
RT: 23.249 min Scan# 4761
Delta R.T. -0.005 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15



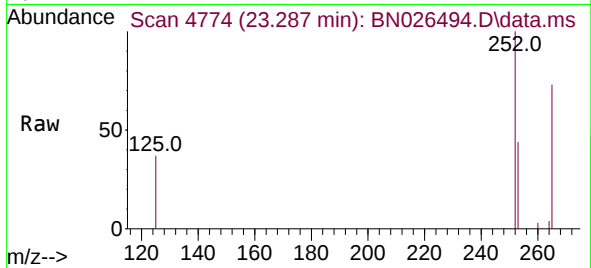
Tgt Ion:252 Resp: 16013
Ion Ratio Lower Upper
252 100
253 33.3 0.0 68.6
125 22.9 0.0 34.0





#25
Benzo(k)fluoranthene
Concen: 0.144 ng/ul m
RT: 23.287 min Scan# 41
Delta R.T. -0.016 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

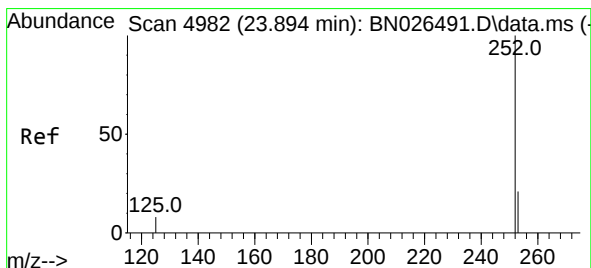
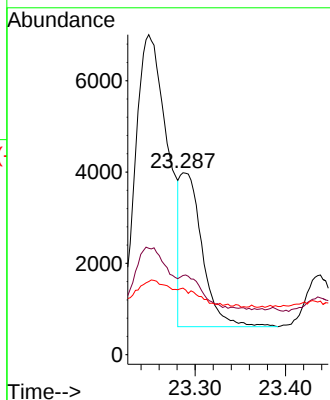
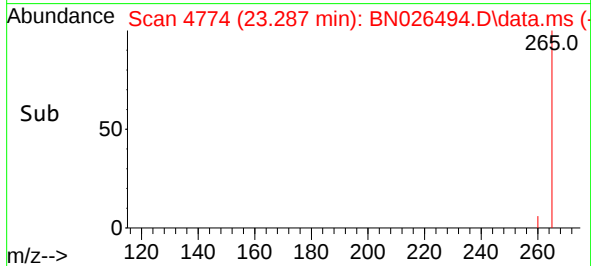
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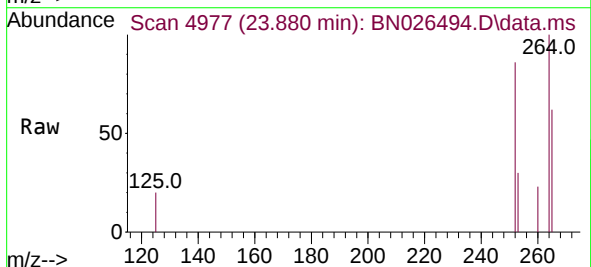
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Ion Ratio Lower Upper
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253 43.5 27.2 40.8
125 36.6 13.4 20.2

Manual Integrations
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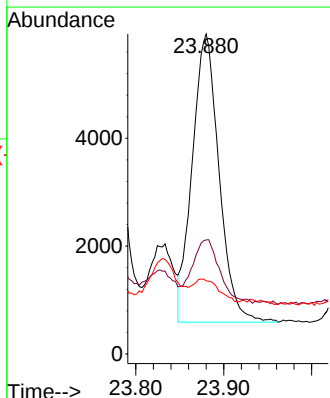
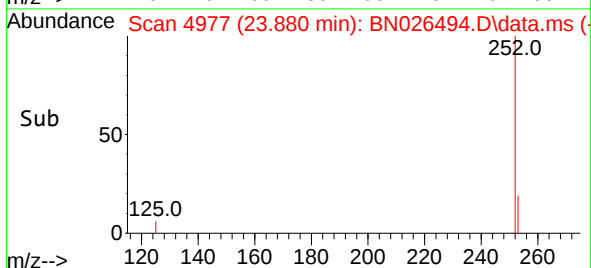
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

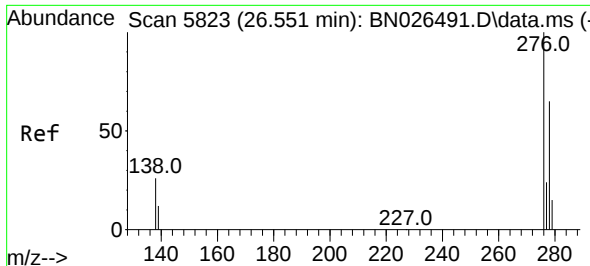


#26
Benzo(a)pyrene
Concen: 0.332 ng/ul
RT: 23.880 min Scan# 4977
Delta R.T. -0.014 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15



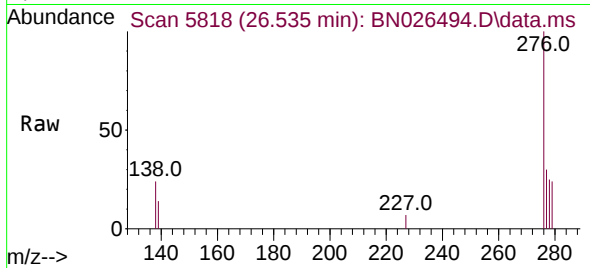
Tgt Ion:252 Resp: 11352
Ion Ratio Lower Upper
252 100
253 35.6 32.6 49.0
125 22.9 19.3 28.9





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.161 ng/ul
RT: 26.535 min Scan# 5818
Delta R.T. -0.016 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15

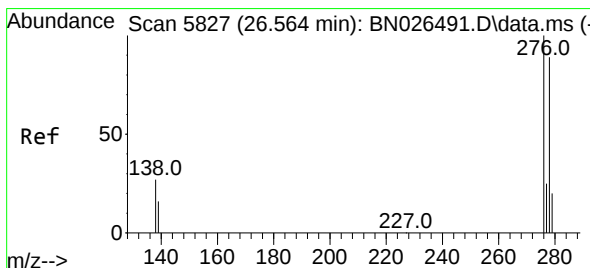
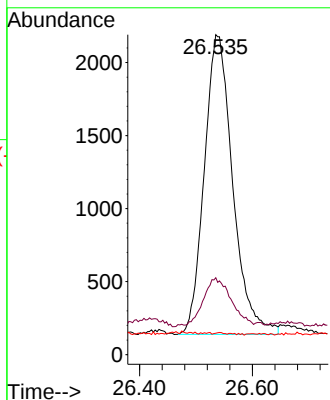
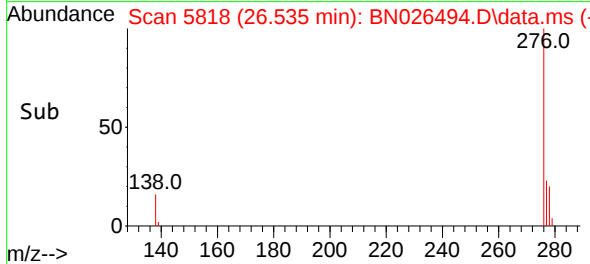
Instrument :
BNA_N
ClientSampleId :
A46F3



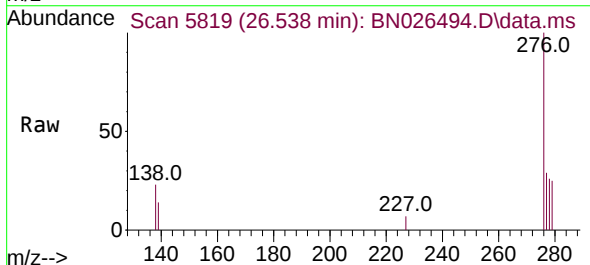
Tgt Ion: 276 Resp: 7190
Ion Ratio Lower Upper
276 100
138 15.0 22.2 33.4#
227 0.1 0.1 0.1#

Manual Integrations
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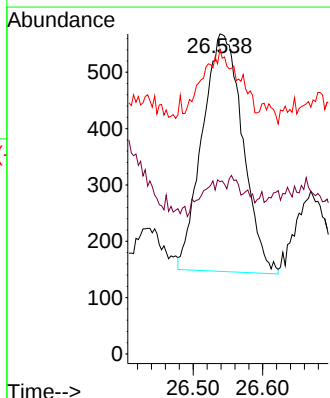
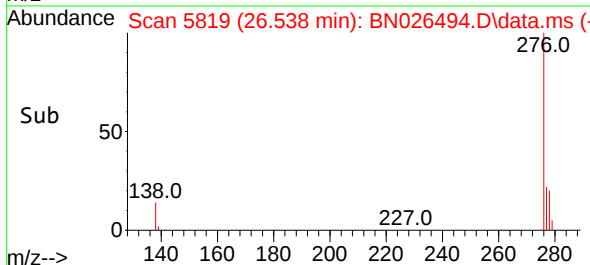
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

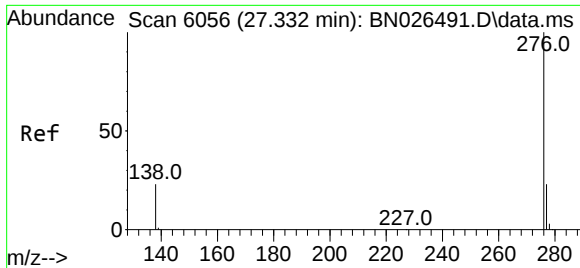


#28
Dibenzo(a,h)anthracene
Concen: 0.050 ng/ul
RT: 26.538 min Scan# 5819
Delta R.T. -0.026 min
Lab File: BN026494.D
Acq: 13 Jul 2023 19:15



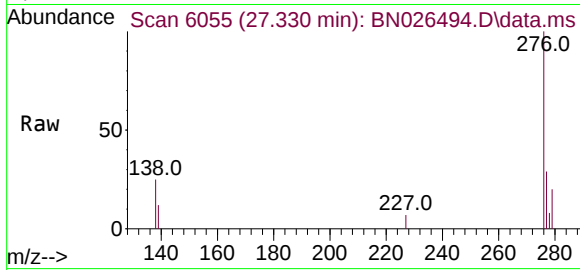
Tgt Ion: 278 Resp: 1704
Ion Ratio Lower Upper
278 100
139 53.9 18.9 28.3#
279 95.2 31.3 46.9#





#29
 Benzo(g,h,i)perylene
 Concen: 0.189 ng/ul
 RT: 27.330 min Scan# 6056
 Delta R.T. -0.002 min
 Lab File: BN026494.D
 Acq: 13 Jul 2023 19:15

Instrument :
 BNA_N
 ClientSampleId :
 A46F3



Tgt Ion:276 Resp: 748
 Ion Ratio Lower Upper
 276 100
 138 24.8 22.6 34.0
 277 28.8 21.8 32.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/14/2023
 Supervised By :mohammad ahmed 07/14/2023

