

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092223\
 Data File : BN027818.D
 Acq On : 22 Sep 2023 10:33
 Operator : MA/JU
 Sample : 04332-15
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2023
 Supervised By :mohammad ahmed 09/25/2023

Quant Time: Sep 22 11:17:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN091523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 03:58:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.004	152	5342	0.400	ng/ul	0.00
4) Naphthalene-d8	10.823	136	18097	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.638	164	11209	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.392	188	25678	0.400	ng/ul	0.00
17) Chrysene-d12	21.571	240	21043	0.400	ng/ul	# 0.00
23) Perylene-d12	24.065	264	18486	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.380	96	30539	4.538	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.401	152	8331	0.304	ng/ul	0.00
18) Fluoranthene-d10	19.413	212	21463	0.334	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	598	0.085	ng/ul#	1
5) Naphthalene	10.872	128	3596	0.070	ng/ul#	90
7) 2-Methylnaphthalene	12.473	142	3161	0.096	ng/ul	99
8) 1-Methylnaphthalene	12.693	142	2675	0.079	ng/ul	98
10) Acenaphthylene	14.370	152	2859	0.058	ng/ul#	88
11) Acenaphthene	14.703	153	896	0.021	ng/ul#	91
12) Fluorene	15.688	166	1056	0.021	ng/ul#	91
15) Phenanthrene	17.434	178	28879	0.358	ng/ul	98
16) Anthracene	17.523	178	3755	0.056	ng/ul#	85
19) Fluoranthene	19.445	202	75592	0.888	ng/ul	99
20) Pyrene	19.813	202	62544m	0.714	ng/ul	
21) Benzo(a)anthracene	21.554	228	28515	0.350	ng/ul	96
22) Chrysene	21.609	228	35060	0.417	ng/ul	97
24) Benzo(b)fluoranthene	23.290	252	48704m	0.591	ng/ul	
25) Benzo(k)fluoranthene	23.342	252	18457m	0.231	ng/ul	
26) Benzo(a)pyrene	23.954	252	26405	0.398	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.690	276	21724	0.256	ng/ul#	32
28) Dibenzo(a,h)anthracene	26.704	278	5313	0.078	ng/ul#	1
29) Benzo(g,h,i)perylene	27.515	276	24427	0.339	ng/ul#	66

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

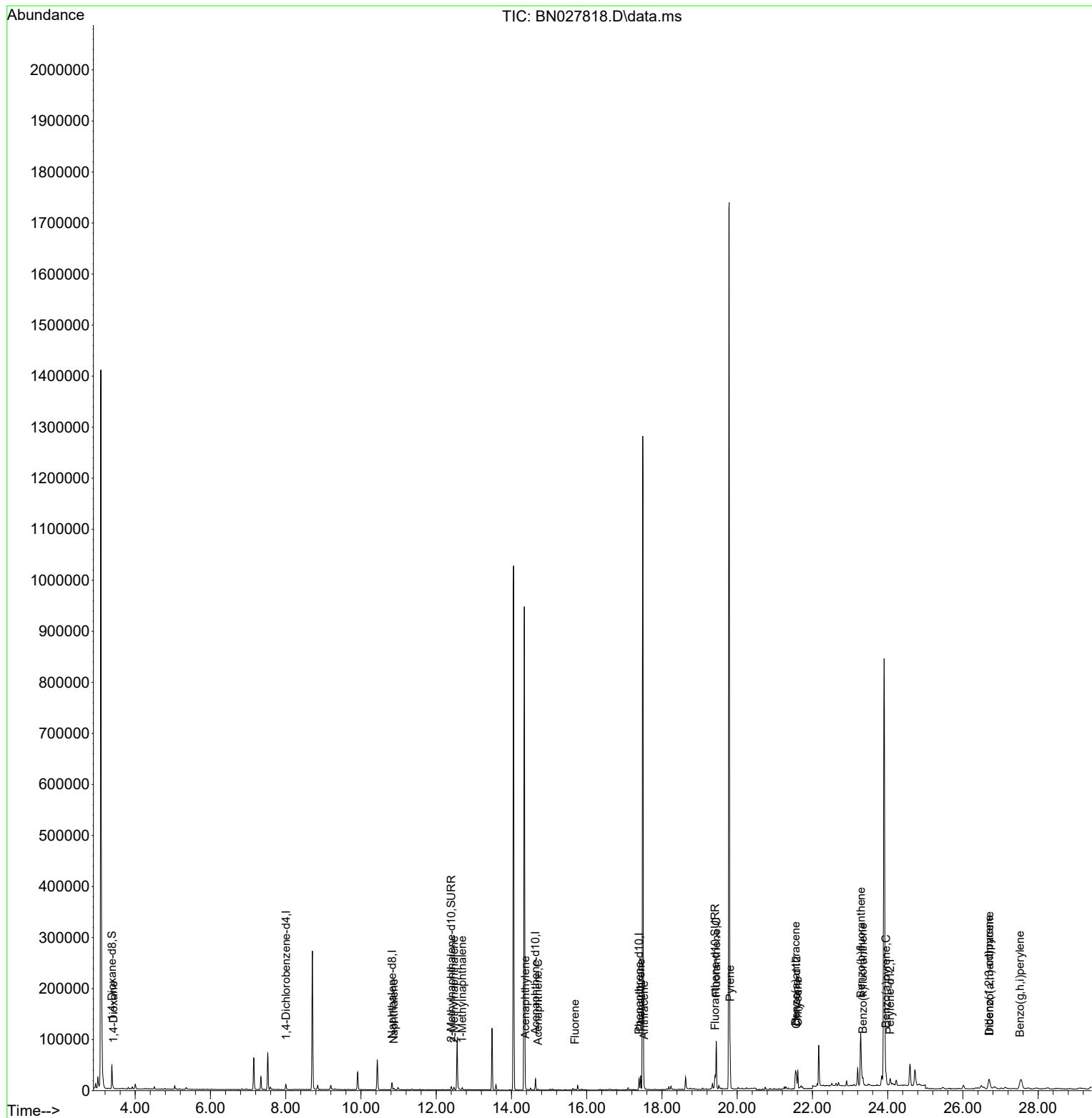
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092223\
Data File : BN027818.D
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Operator : MA/JU
Sample : 04332-15
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ALS Vial : 37 Sample Multiplier: 1

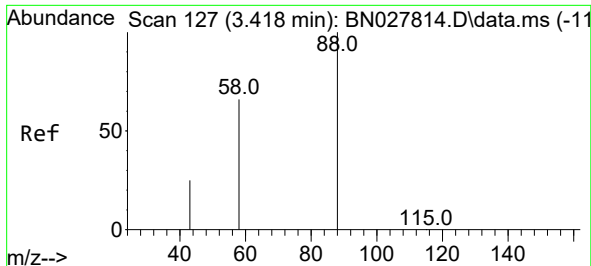
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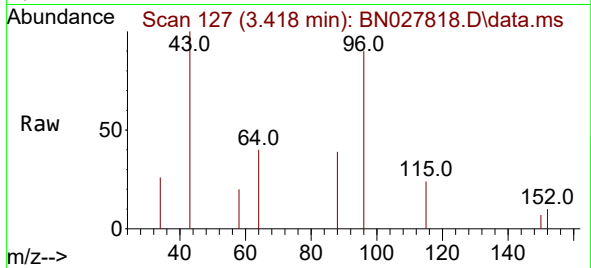
Quant Time: Sep 22 11:17:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN091523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 22 03:58:00 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.085 ng/ul
RT: 3.418 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

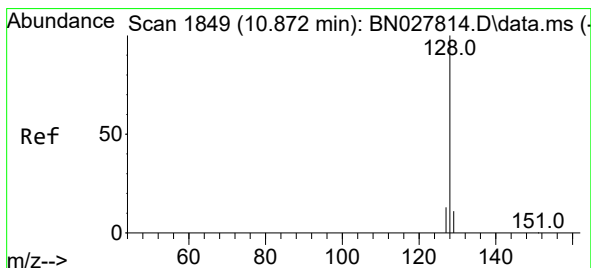
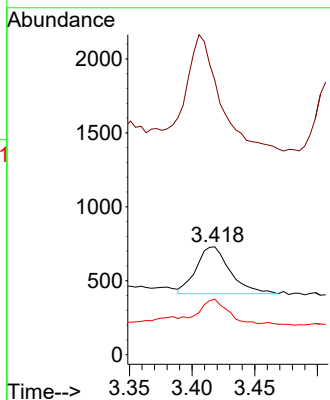
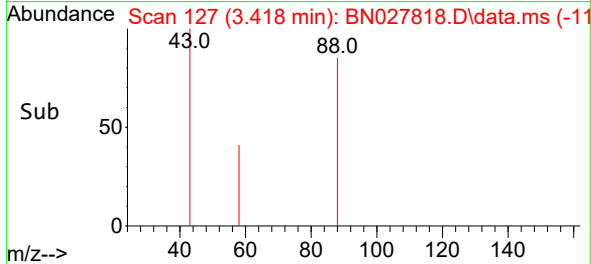
Instrument :
BNA_N
ClientSampleId :
C0AC2



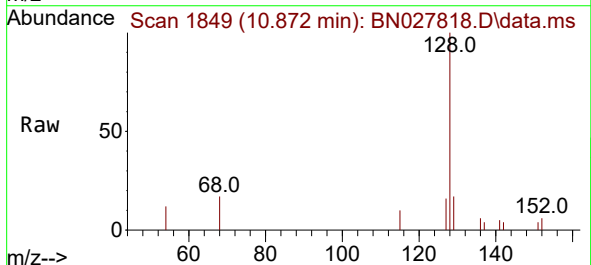
Tgt Ion: 88 Resp: 598
Ion Ratio Lower Upper
88 100
43 254.6 39.6 59.4
58 51.4 48.3 72.5

Manual Integrations
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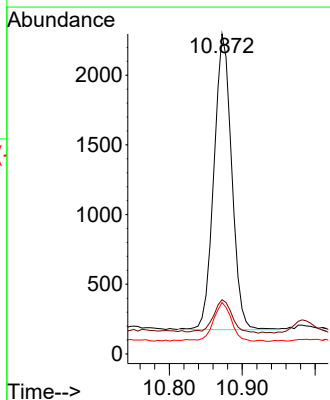
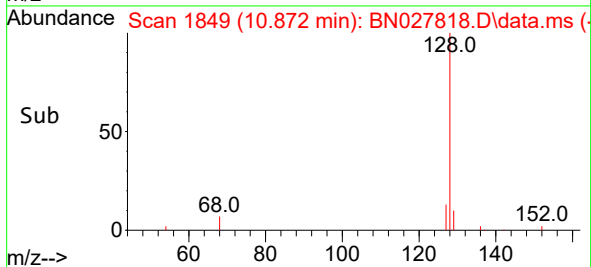
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/25/2023

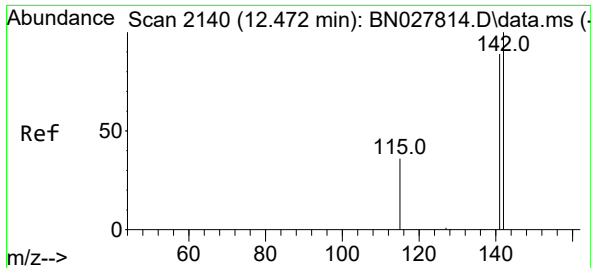


#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.872 min Scan# 1849
Delta R.T. -0.005 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33



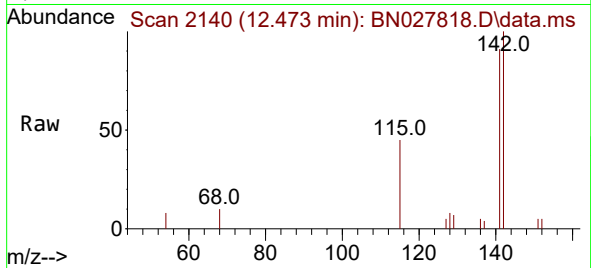
Tgt Ion:128 Resp: 3596
Ion Ratio Lower Upper
128 100
129 16.9 9.3 13.9
127 16.0 10.7 16.1





#7
2-Methylnaphthalene
Concen: 0.096 ng/ul
RT: 12.473 min Scan# 2140
Delta R.T. -0.005 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

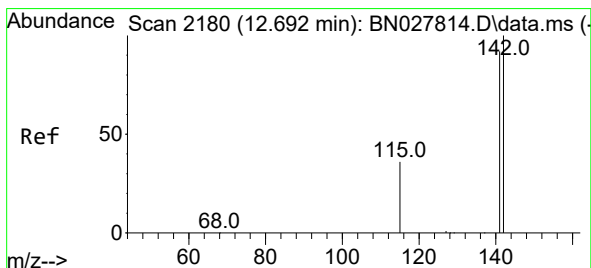
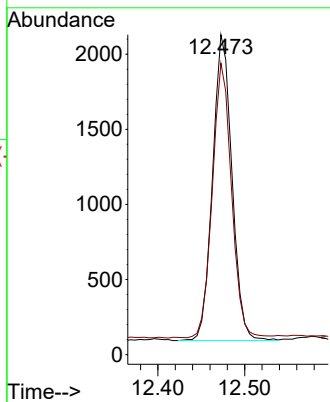
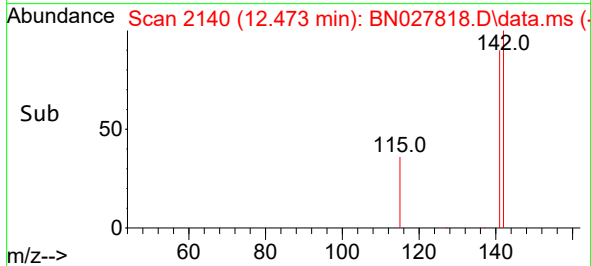
Instrument :
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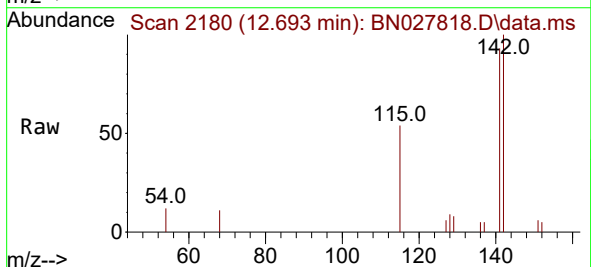
Tgt Ion:142 Resp: 316
Ion Ratio Lower Upper
142 100
141 89.8 71.1 106.7

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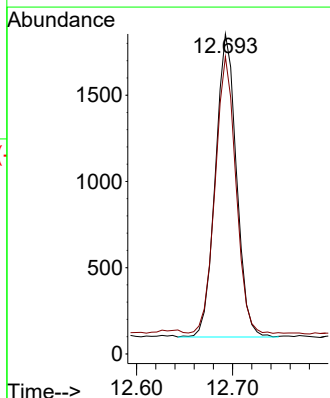
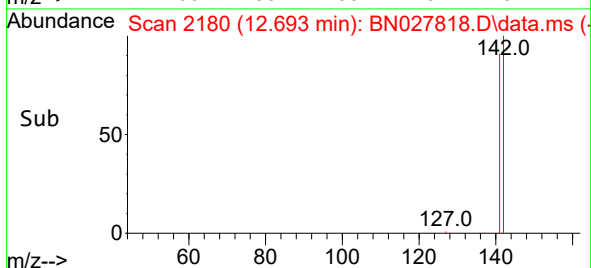
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/25/2023

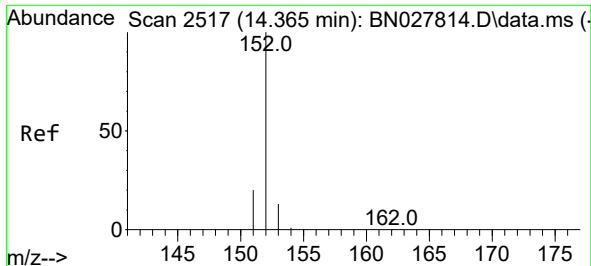


#8
1-Methylnaphthalene
Concen: 0.079 ng/ul
RT: 12.693 min Scan# 2180
Delta R.T. -0.005 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33



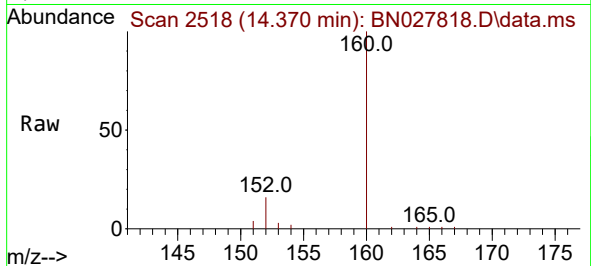
Tgt Ion:142 Resp: 2675
Ion Ratio Lower Upper
142 100
141 89.5 72.8 109.2





#10
Acenaphthylene
Concen: 0.058 ng/ul
RT: 14.370 min Scan# 2517
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

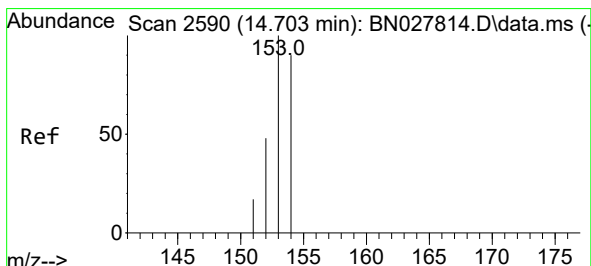
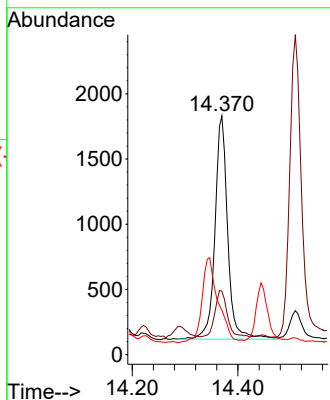
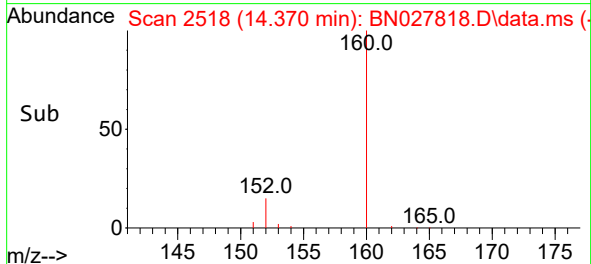
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:152 Resp: 2859
Ion Ratio Lower Upper
152 100
151 26.6 16.6 25.0
153 18.6 11.0 16.6

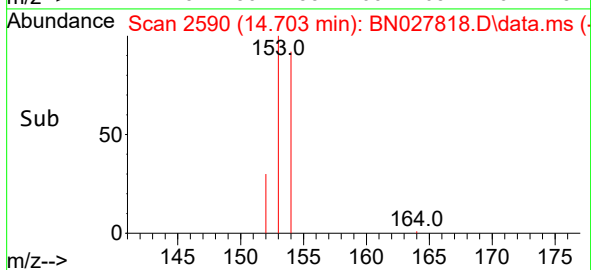
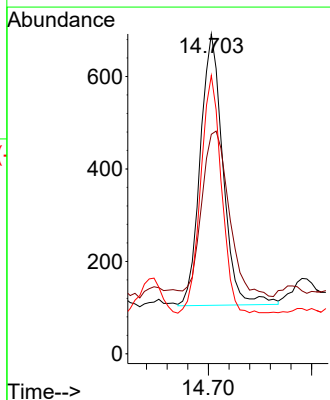
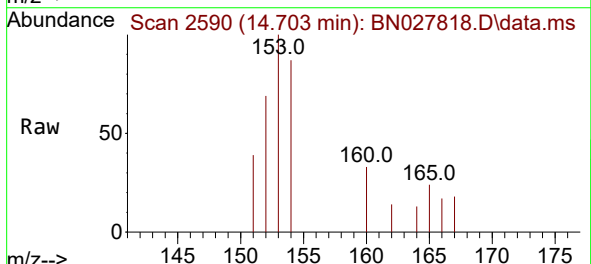
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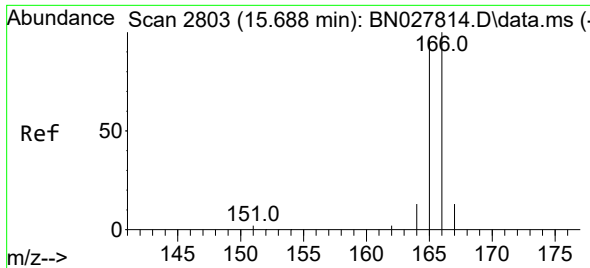
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/25/2023



#11
Acenaphthene
Concen: 0.021 ng/ul
RT: 14.703 min Scan# 2590
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

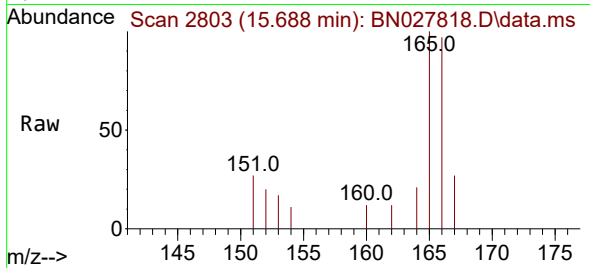
Tgt Ion:153 Resp: 896
Ion Ratio Lower Upper
153 100
152 68.6 41.7 62.5
154 87.0 70.3 105.5





#12
Fluorene
Concen: 0.021 ng/ul
RT: 15.688 min Scan# 2803
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

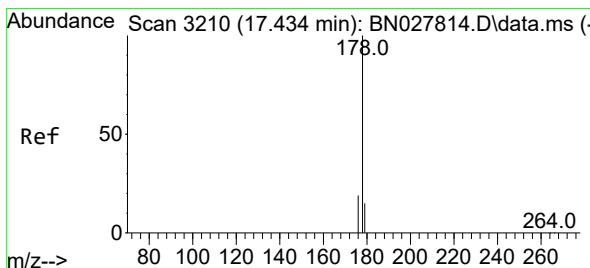
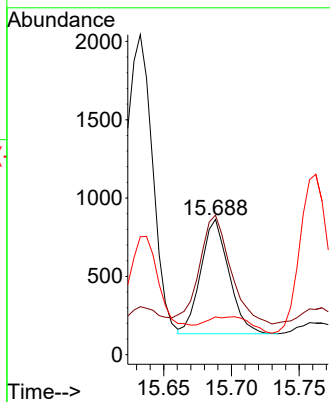
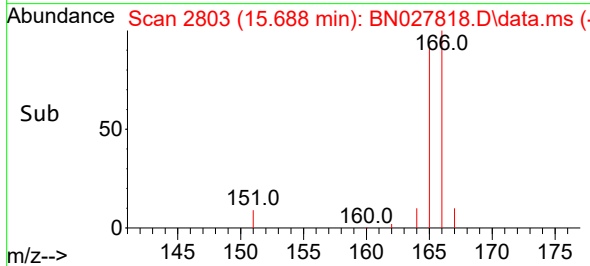
Instrument :
BNA_N
ClientSampleId :
C0AC2



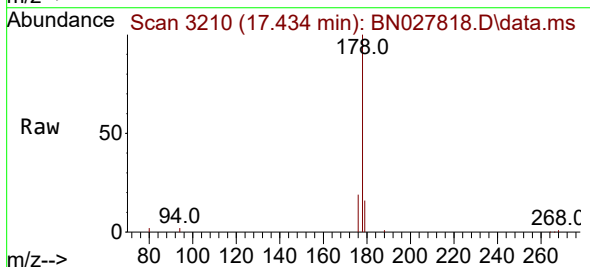
Tgt Ion:166 Resp: 1050
Ion Ratio Lower Upper
166 100
165 103.1 78.0 117.0
167 27.9 11.4 17.2

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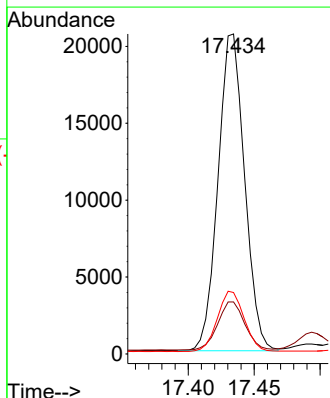
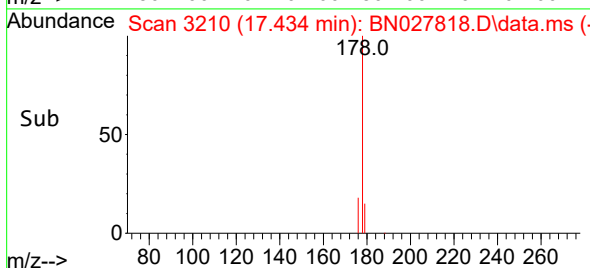
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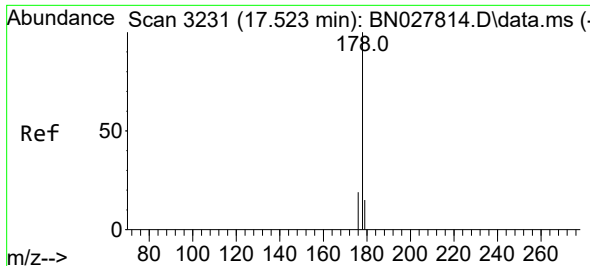


#15
Phenanthrene
Concen: 0.358 ng/ul
RT: 17.434 min Scan# 3210
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33



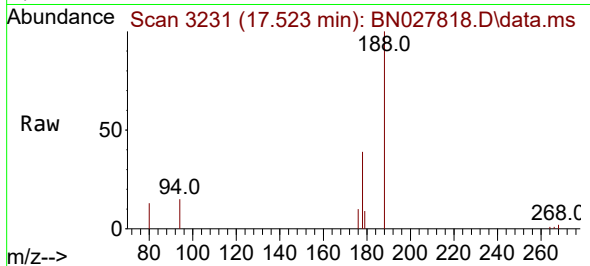
Tgt Ion:178 Resp: 28879
Ion Ratio Lower Upper
178 100
179 16.3 12.4 18.6
176 19.2 16.0 24.0





#16
 Anthracene
 Concen: 0.056 ng/ul
 RT: 17.523 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: BN027818.D
 Acq: 22 Sep 2023 10:33

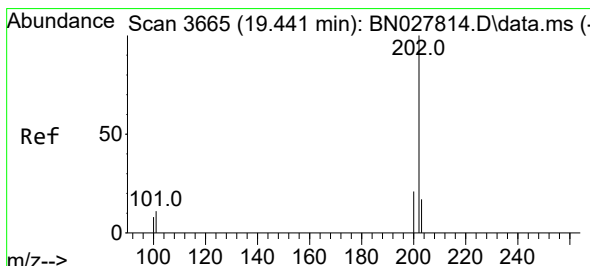
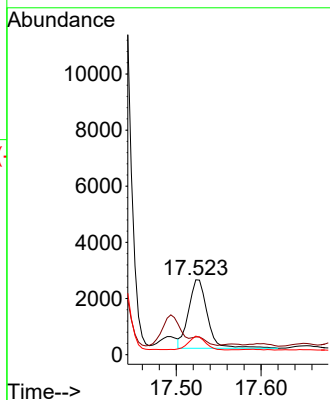
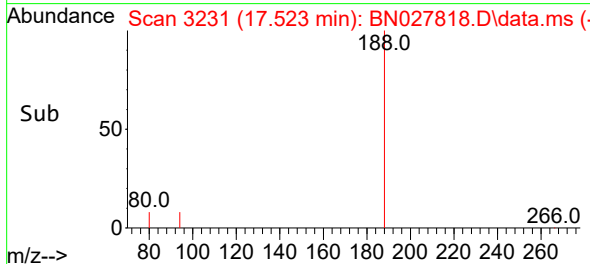
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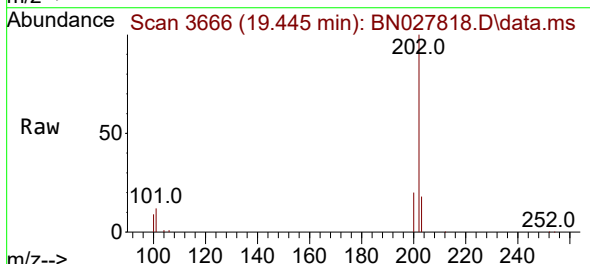
Tgt Ion:178 Resp: 375
 Ion Ratio Lower Upper
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 179 23.8 12.6 19.0
 176 24.9 15.5 23.3

Manual Integrations
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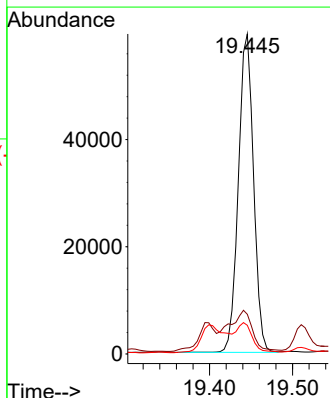
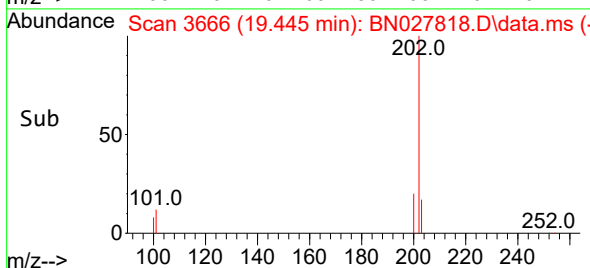
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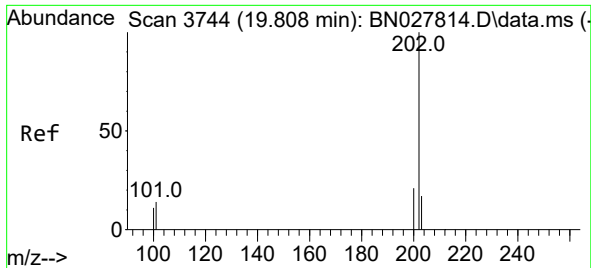


#19
 Fluoranthene
 Concen: 0.888 ng/ul
 RT: 19.445 min Scan# 3666
 Delta R.T. 0.000 min
 Lab File: BN027818.D
 Acq: 22 Sep 2023 10:33



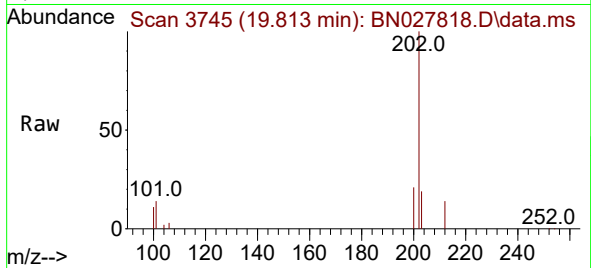
Tgt Ion:202 Resp: 75592
 Ion Ratio Lower Upper
 202 100
 101 12.4 9.3 13.9
 100 9.0 7.0 10.4





#20
Pyrene
Concen: 0.714 ng/ul m
RT: 19.813 min Scan# 3745
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

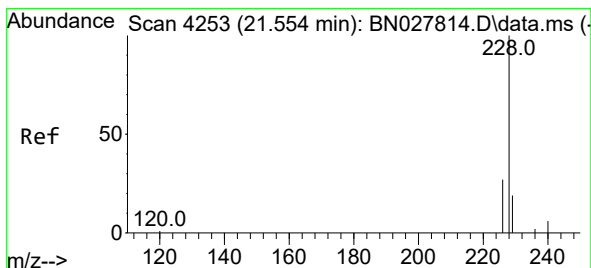
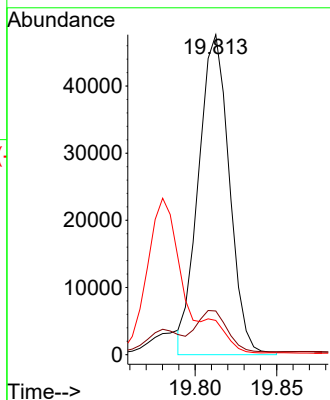
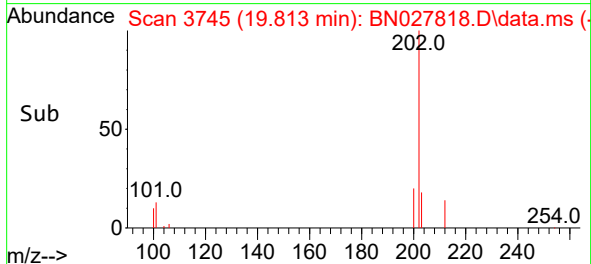
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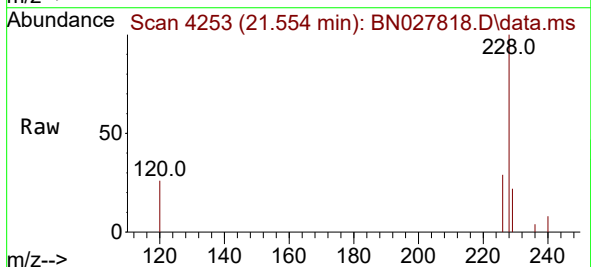
Tgt Ion:202 Resp: 62544
Ion Ratio Lower Upper
202 100
101 13.7 11.4 17.0
100 10.7 9.1 13.7

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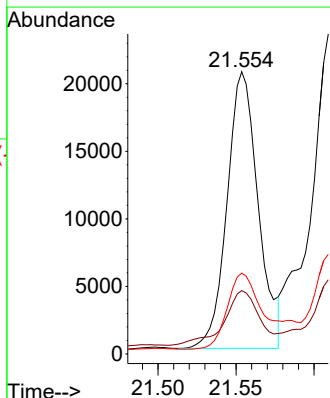
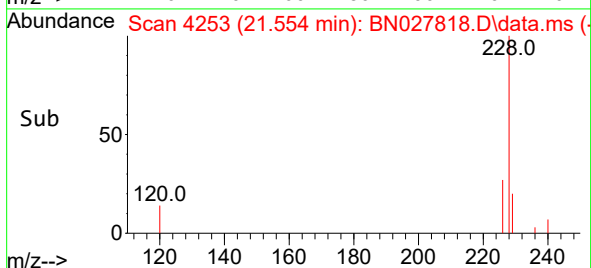
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/25/2023

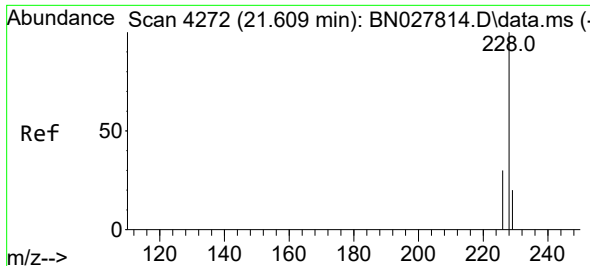


#21
Benzo(a)anthracene
Concen: 0.350 ng/ul
RT: 21.554 min Scan# 4253
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33



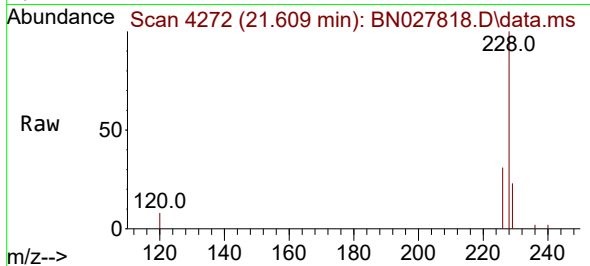
Tgt Ion:228 Resp: 28515
Ion Ratio Lower Upper
228 100
229 22.4 15.8 23.8
226 28.7 22.0 33.0





#22
Chrysene
Concen: 0.417 ng/ul
RT: 21.609 min Scan# 4272
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

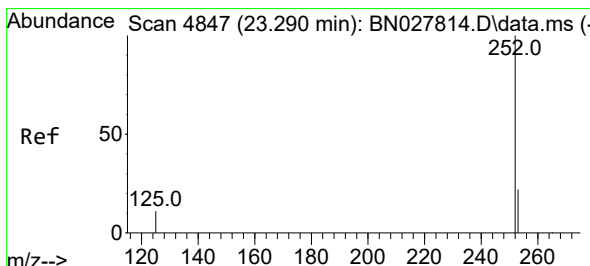
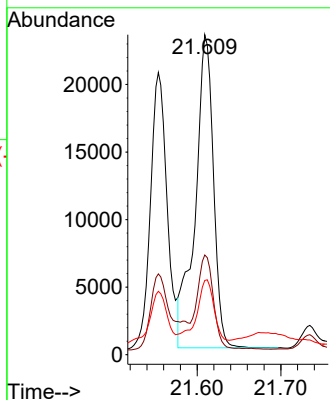
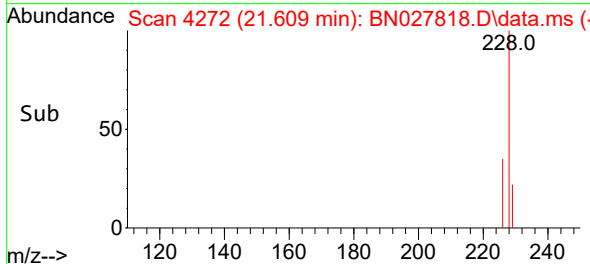
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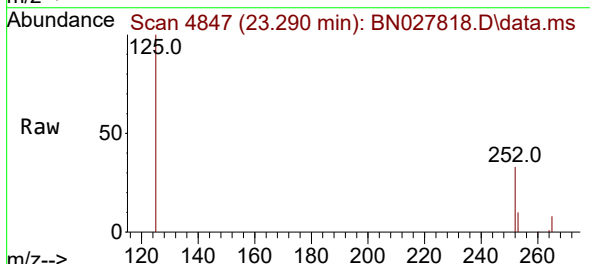
Tgt Ion:228 Resp: 35060
Ion Ratio Lower Upper
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226 31.2 24.5 36.7
229 23.2 16.0 24.0

Manual Integrations
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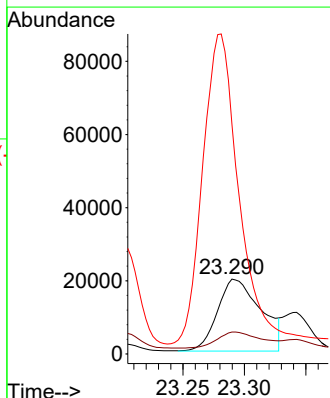
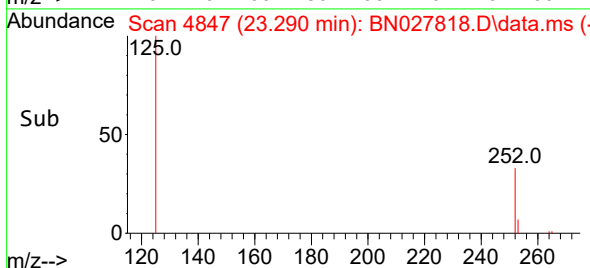
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/25/2023

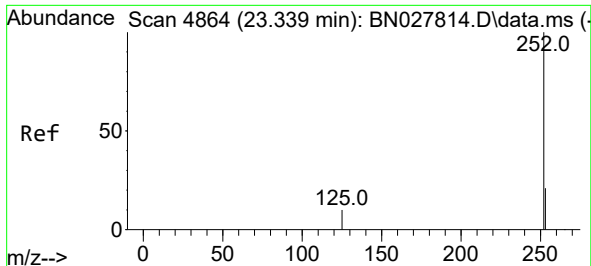


#24
Benzo(b)fluoranthene
Concen: 0.591 ng/ul m
RT: 23.290 min Scan# 4847
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33



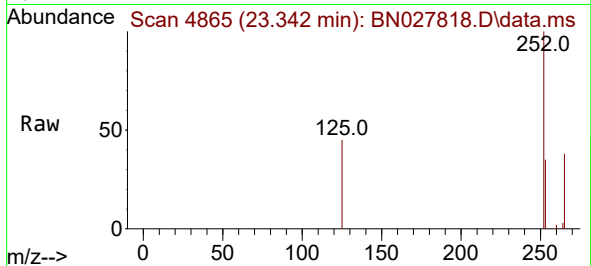
Tgt Ion:252 Resp: 48704
Ion Ratio Lower Upper
252 100
253 29.2 0.0 50.2
125 306.4 0.0 31.4#





#25
Benzo(k)fluoranthene
Concen: 0.231 ng/ul m
RT: 23.342 min Scan# 4865
Delta R.T. 0.000 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

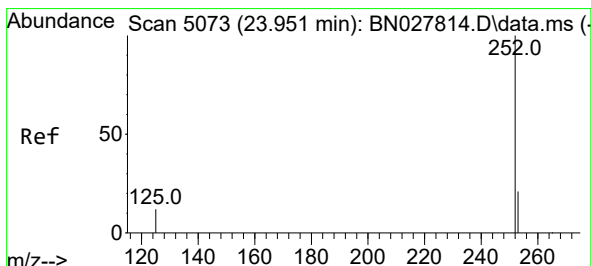
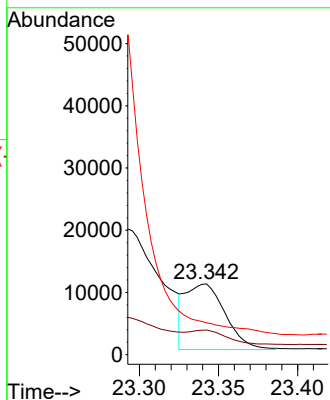
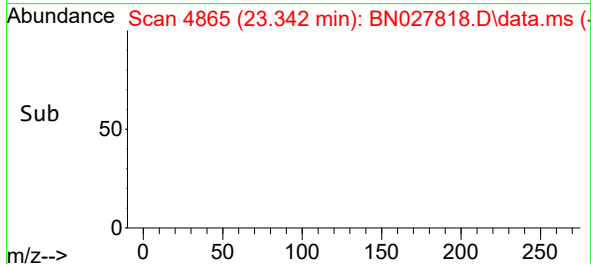
Instrument :
BNA_N
ClientSampleId :
C0AC2



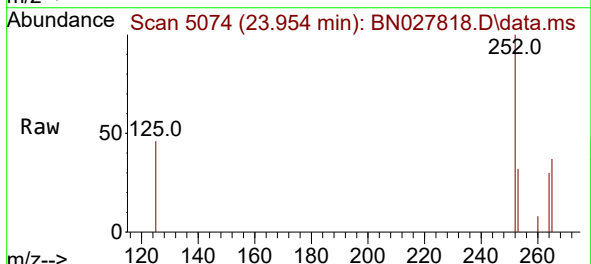
Tgt Ion:252 Resp: 1845
Ion Ratio Lower Upper
252 100
253 34.9 19.9 29.9
125 44.9 12.6 19.0

Manual Integrations
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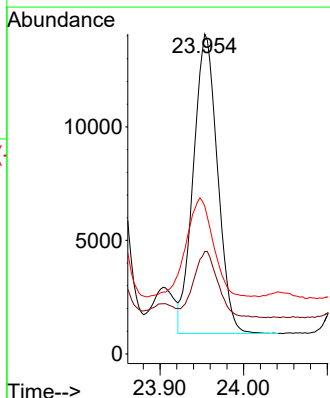
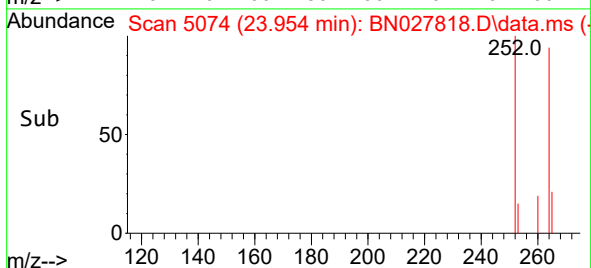
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/25/2023

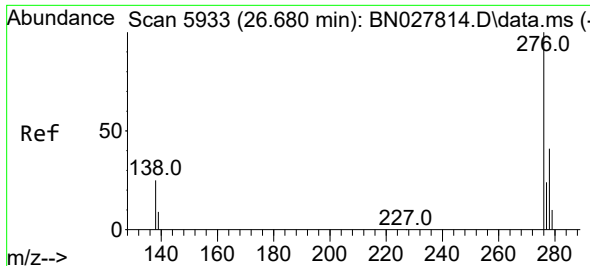


#26
Benzo(a)pyrene
Concen: 0.398 ng/ul
RT: 23.954 min Scan# 5074
Delta R.T. 0.003 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33



Tgt Ion:252 Resp: 26405
Ion Ratio Lower Upper
252 100
253 32.1 21.9 32.9
125 46.2 15.5 23.3





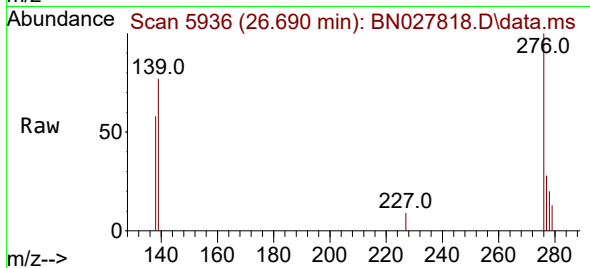
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.256 ng/ul
RT: 26.690 min Scan# 5933
Delta R.T. 0.007 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33

Instrument :

BNA_N

ClientSampleId :

C0AC2



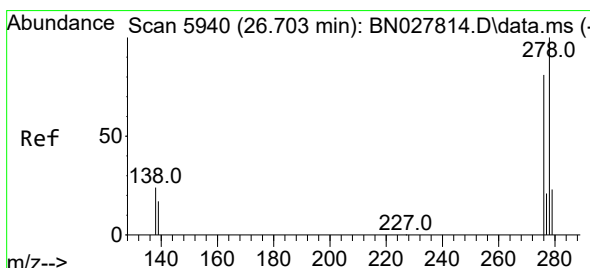
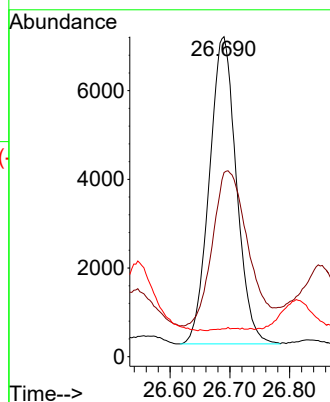
Tgt Ion:276 Resp: 21724
Ion Ratio Lower Upper
276 100
138 67.4 24.3 36.5#
227 0.0 0.0 0.0

Manual Integrations

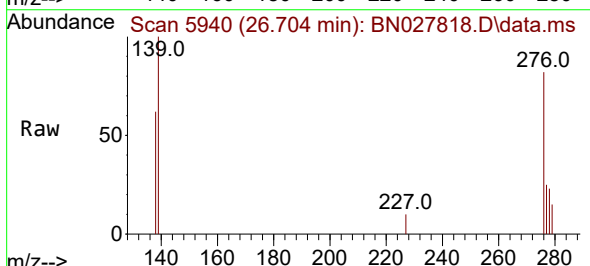
APPROVED

Reviewed By :Yogesh Patel 09/25/2023

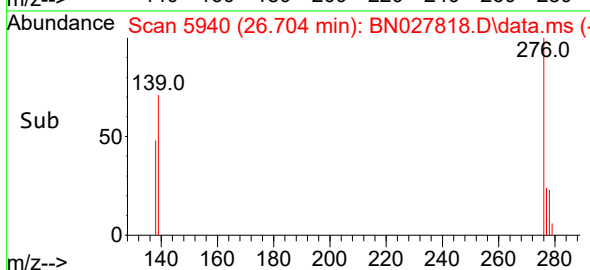
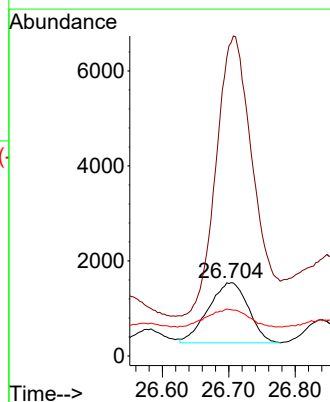
Supervised By :mohammad ahmed 09/25/2023

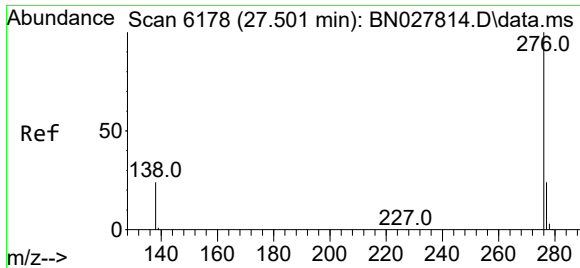


#28
Dibenzo(a,h)anthracene
Concen: 0.078 ng/ul
RT: 26.704 min Scan# 5940
Delta R.T. -0.003 min
Lab File: BN027818.D
Acq: 22 Sep 2023 10:33



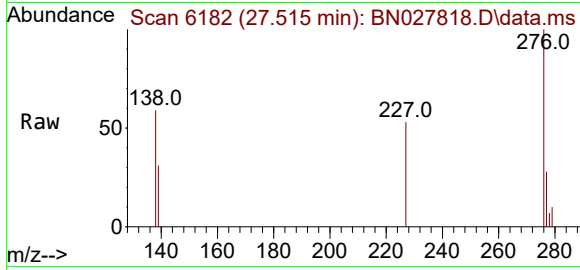
Tgt Ion:278 Resp: 5313
Ion Ratio Lower Upper
278 100
139 427.2 17.2 25.8#
279 63.1 21.4 32.0#





#29
 Benzo(g,h,i)perylene
 Concen: 0.339 ng/ul
 RT: 27.515 min Scan# 61
 Delta R.T. 0.011 min
 Lab File: BN027818.D
 Acq: 22 Sep 2023 10:33

Instrument :
 BNA_N
 ClientSampleId :
 C0AC2



Tgt Ion:	276	Resp:	2442
Ion Ratio	Lower	Upper	
276	100		
138	58.6	21.7	32.5
277	27.8	20.2	30.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2023
 Supervised By :mohammad ahmed 09/25/2023

