

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
 Data File : BN026975.D
 Acq On : 19 Aug 2023 02:02
 Operator : MA/JU
 Sample : 03965-10DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48J3DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

Quant Time: Aug 19 02:35:43 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 18 13:11:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	5929	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	19361	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	11579	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.477	188	27019	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.647	240	22961	0.400	ng/ul	# 0.00
23) Perylene-d12	24.190	264	22903	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	5248	0.746	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	1581	0.055	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	4410	0.061	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.982	128	5778	0.106	ng/ul#	95
7) 2-Methylnaphthalene	12.577	142	4042	0.122	ng/ul	100
8) 1-Methylnaphthalene	12.792	142	3444	0.099	ng/ul	99
10) Acenaphthylene	14.458	152	10531	0.162	ng/ul	98
11) Acenaphthene	14.791	153	3992	0.089	ng/ul	98
12) Fluorene	15.772	166	5024	0.099	ng/ul	99
15) Phenanthrene	17.519	178	113087	1.274	ng/ul	100
16) Anthracene	17.608	178	23473	0.293	ng/ul	96
19) Fluoranthene	19.520	202	275257	2.886	ng/ul	98
20) Pyrene	19.887	202	239818m	2.357	ng/ul	
21) Benzo(a)anthracene	21.630	228	133466	1.462	ng/ul	98
22) Chrysene	21.688	228	147437	1.636	ng/ul	97
24) Benzo(b)fluoranthene	23.404	252	191949m	2.216	ng/ul	
25) Benzo(k)fluoranthene	23.451	252	66622m	0.780	ng/ul	
26) Benzo(a)pyrene	24.076	252	121053	1.549	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	26.881	276	75606	0.739	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.901	278	18961	0.233	ng/ul#	77
29) Benzo(g,h,i)perylene	27.723	276	65800	0.773	ng/ul	99

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

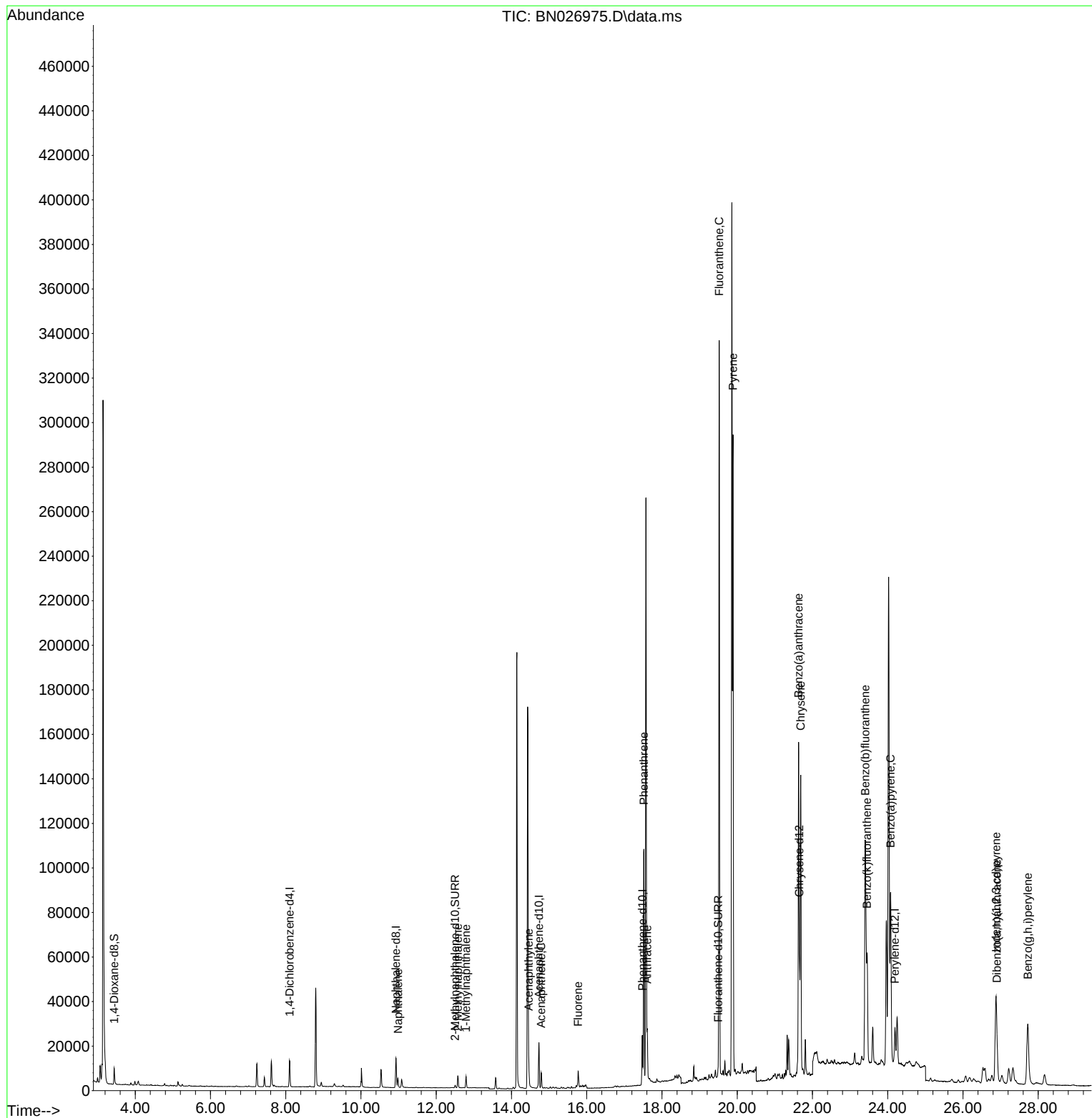
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
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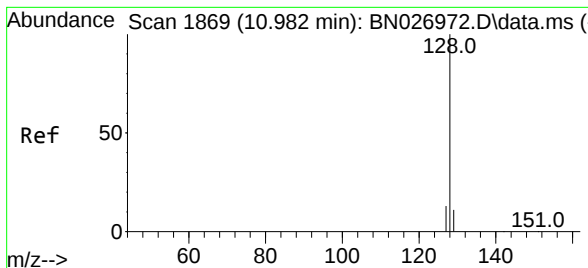
Instrument :
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#5

Naphthalene

Concen: 0.106 ng/ul

RT: 10.982 min Scan# 1869

Delta R.T. 0.000 min

Lab File: BN026975.D

Acq: 19 Aug 2023 02:02

Instrument :

BNA_N

ClientSampleId :

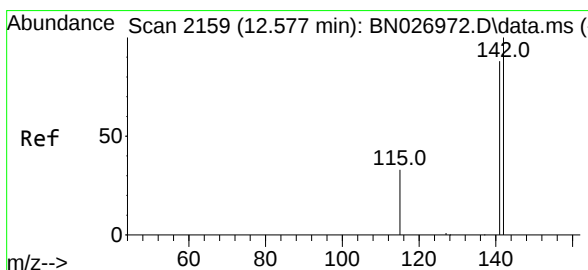
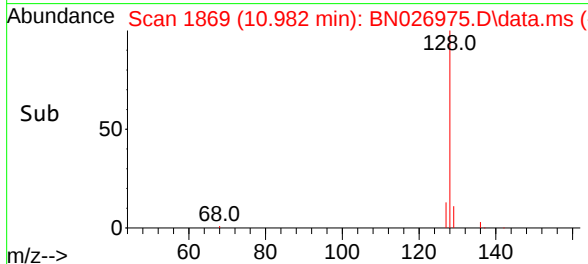
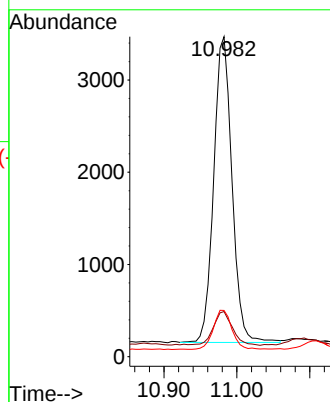
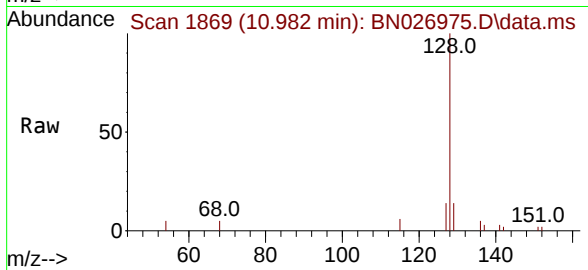
A48J3DL

Tgt Ion:128	Resp:	5778
Ion Ratio	Lower	Upper
128	100	
129	14.1	9.2 13.8
127	14.4	10.5 15.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#7

2-Methylnaphthalene

Concen: 0.122 ng/ul

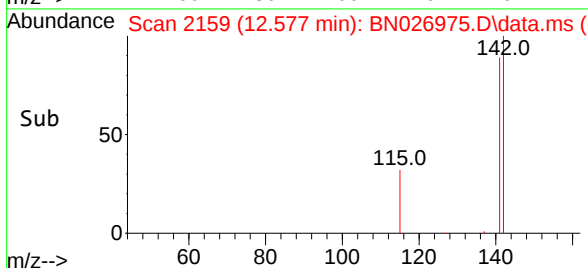
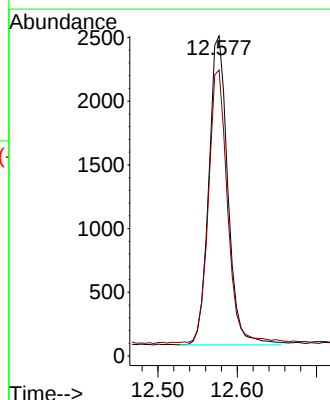
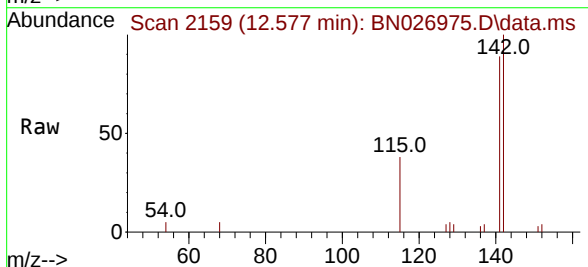
RT: 12.577 min Scan# 2159

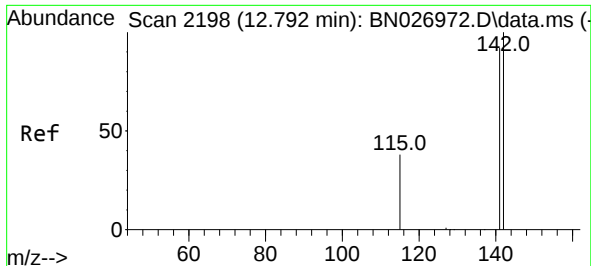
Delta R.T. 0.000 min

Lab File: BN026975.D

Acq: 19 Aug 2023 02:02

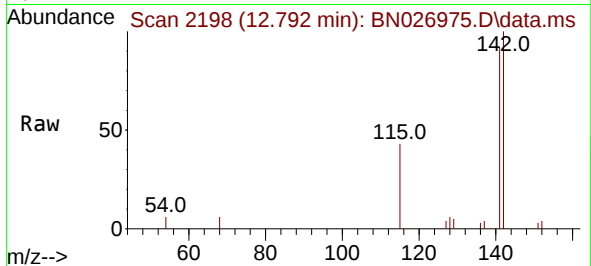
Tgt Ion:142	Resp:	4042
Ion Ratio	Lower	Upper
142	100	
141	88.5	70.9 106.3





#8
1-Methylnaphthalene
Concen: 0.099 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

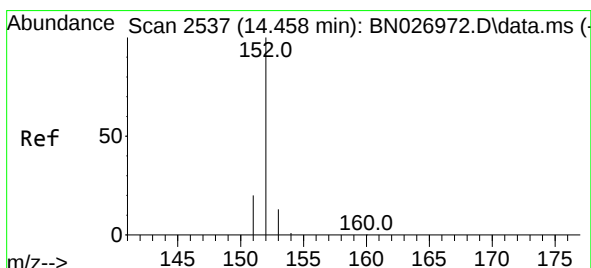
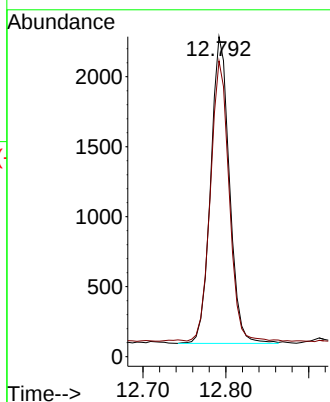
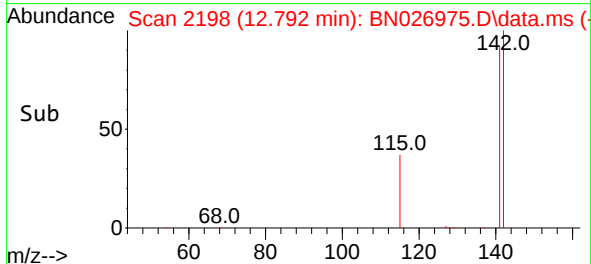
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Tgt Ion:142 Resp: 344
Ion Ratio Lower Upper
142 100
141 90.6 73.2 109.8

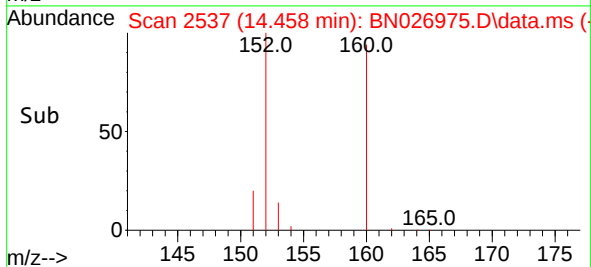
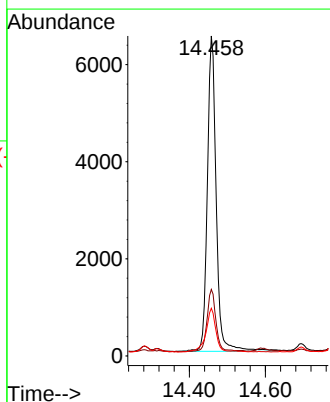
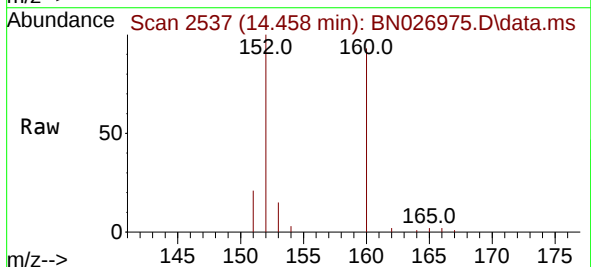
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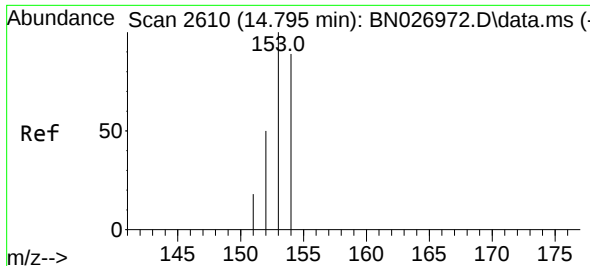
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#10
Acenaphthylene
Concen: 0.162 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

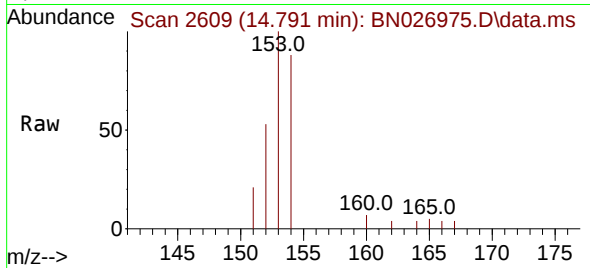
Tgt Ion:152 Resp: 10531
Ion Ratio Lower Upper
152 100
151 20.8 15.9 23.9
153 14.9 11.0 16.6





#11
Acenaphthene
Concen: 0.089 ng/u1
RT: 14.791 min Scan# 2609
Delta R.T. 0.000 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

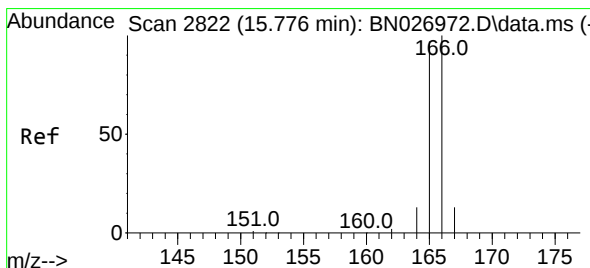
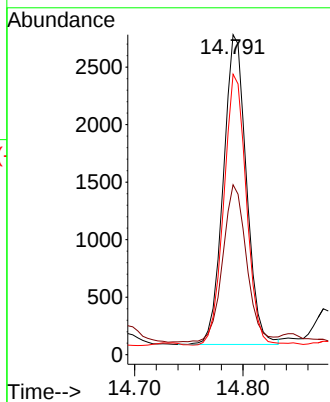
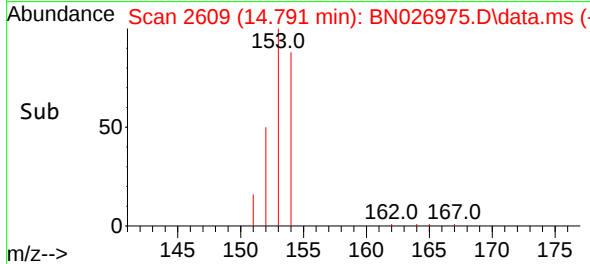
Instrument :
BNA_N
ClientSampleId :
A48J3DL



Tgt Ion:153 Resp: 399
Ion Ratio Lower Upper
153 100
152 53.1 41.1 61.7
154 87.7 71.6 107.4

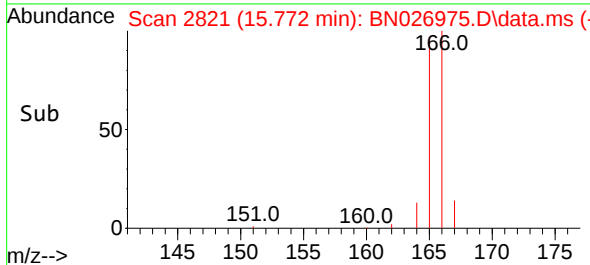
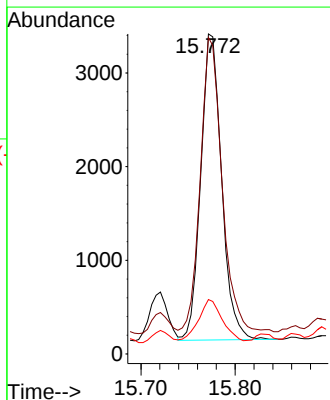
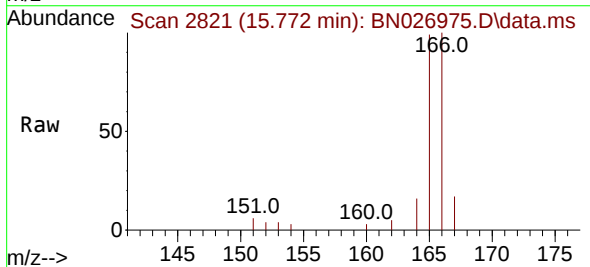
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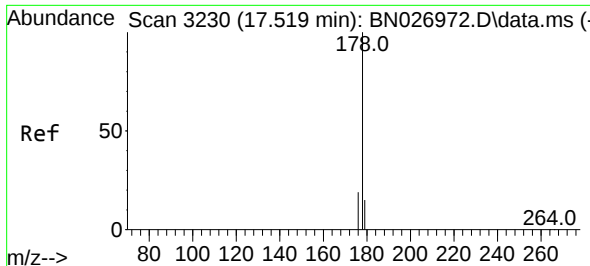
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#12
Fluorene
Concen: 0.099 ng/u1
RT: 15.772 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

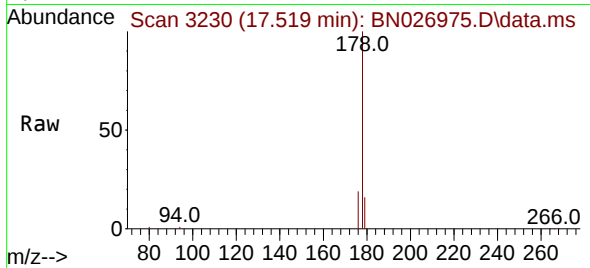
Tgt Ion:166 Resp: 5024
Ion Ratio Lower Upper
166 100
165 98.9 79.1 118.7
167 17.0 11.4 17.0





#15
Phenanthrene
Concen: 1.274 ng/ul
RT: 17.519 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

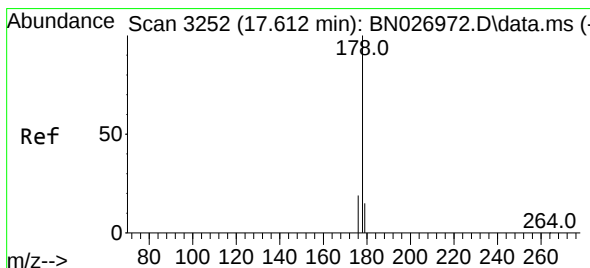
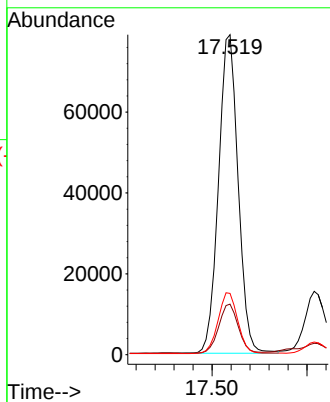
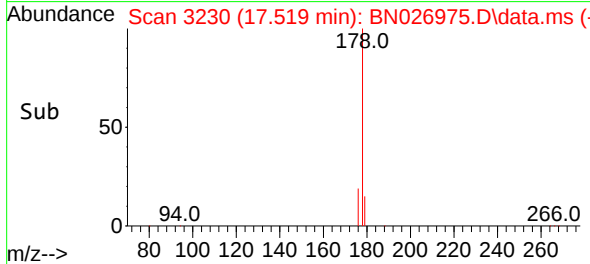
Instrument :
BNA_N
ClientSampleId :
A48J3DL



Tgt Ion:178 Resp: 11308
Ion Ratio Lower Upper
178 100
179 15.8 12.6 18.8
176 19.2 15.4 23.2

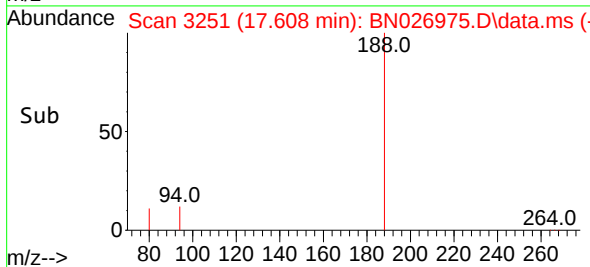
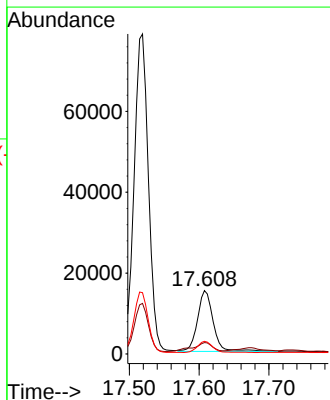
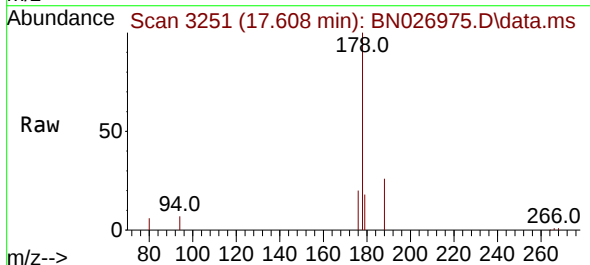
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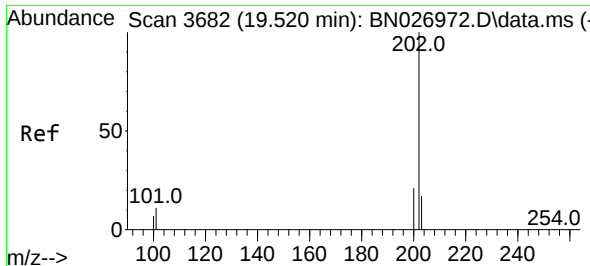
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#16
Anthracene
Concen: 0.293 ng/ul
RT: 17.608 min Scan# 3251
Delta R.T. 0.000 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

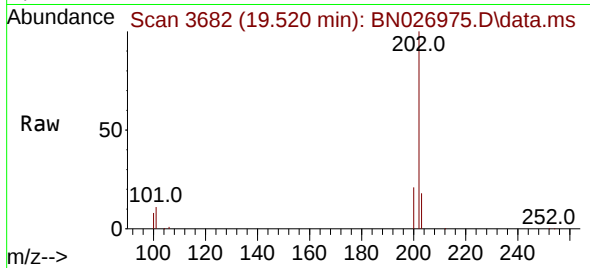
Tgt Ion:178 Resp: 23473
Ion Ratio Lower Upper
178 100
179 18.0 12.6 19.0
176 19.9 15.0 22.6





#19
Fluoranthene
Concen: 2.886 ng/ul
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

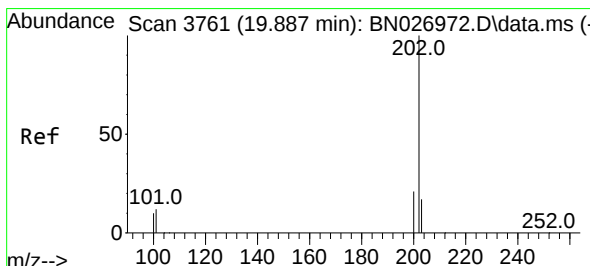
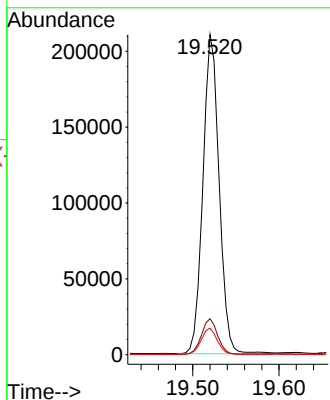
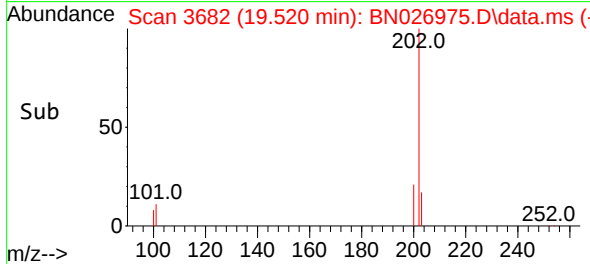
Instrument :
BNA_N
ClientSampleId :
A48J3DL



Tgt Ion:202 Resp: 27525
Ion Ratio Lower Upper
202 100
101 11.3 8.3 12.5
100 8.3 6.2 9.2

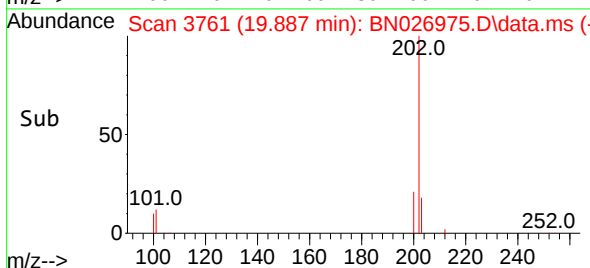
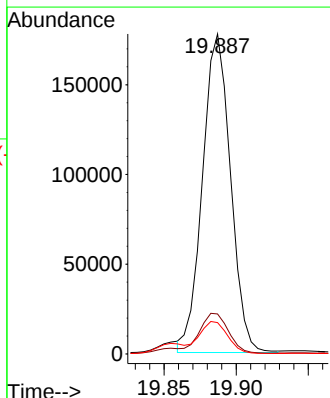
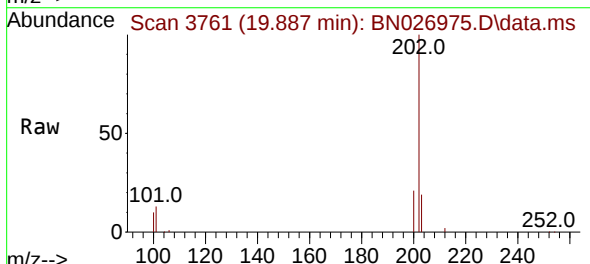
Manual Integrations
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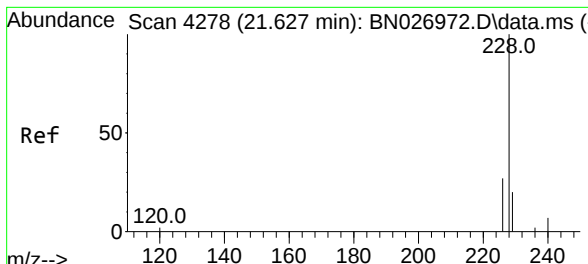
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#20
Pyrene
Concen: 2.357 ng/ul m
RT: 19.887 min Scan# 3761
Delta R.T. 0.000 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

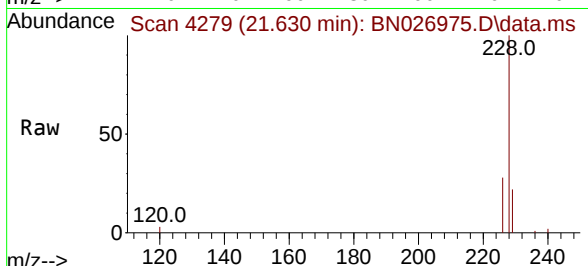
Tgt Ion:202 Resp: 239818
Ion Ratio Lower Upper
202 100
101 12.5 10.7 16.1
100 9.8 8.5 12.7





#21
 Benzo(a)anthracene
 Concen: 1.462 ng/ul
 RT: 21.630 min Scan# 4278
 Delta R.T. -0.003 min
 Lab File: BN026975.D
 Acq: 19 Aug 2023 02:02

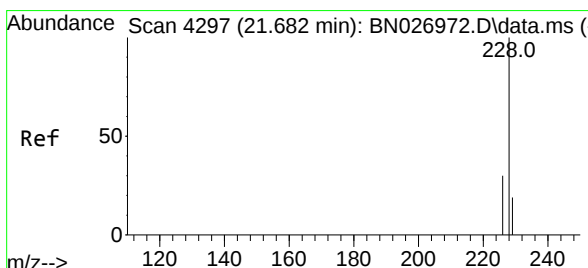
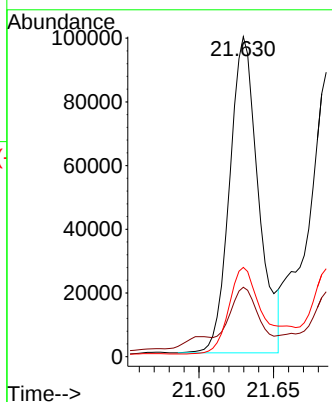
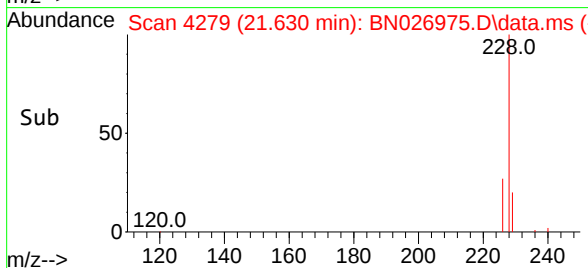
Instrument :
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Tgt Ion:228 Resp: 133460
 Ion Ratio Lower Upper
 228 100
 229 21.7 16.0 24.0
 226 27.9 22.2 33.2

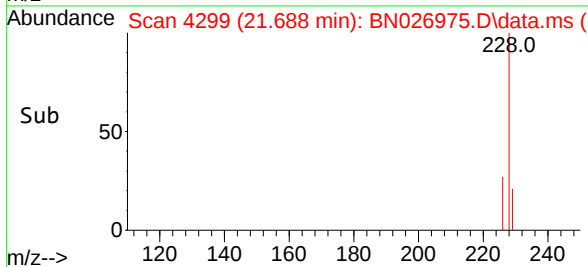
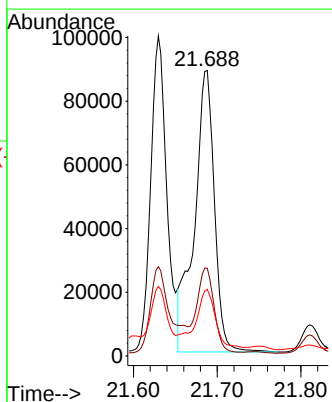
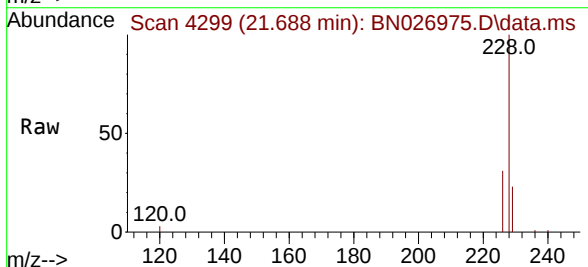
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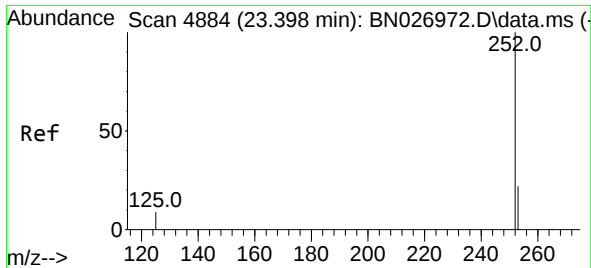
Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023



#22
 Chrysene
 Concen: 1.636 ng/ul
 RT: 21.688 min Scan# 4299
 Delta R.T. -0.003 min
 Lab File: BN026975.D
 Acq: 19 Aug 2023 02:02

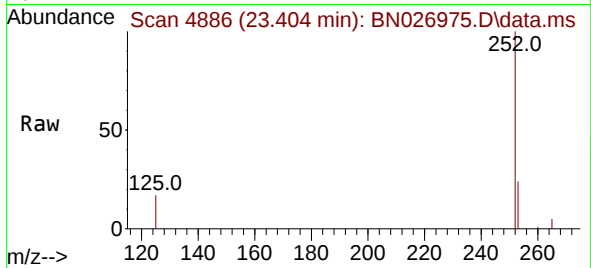
Tgt Ion:228 Resp: 147437
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.6 36.8
 229 23.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.216 ng/ul m
RT: 23.404 min Scan# 4886
Delta R.T. -0.003 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

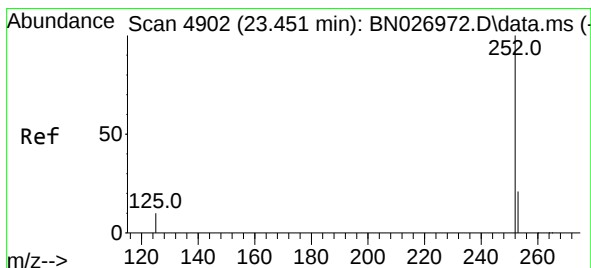
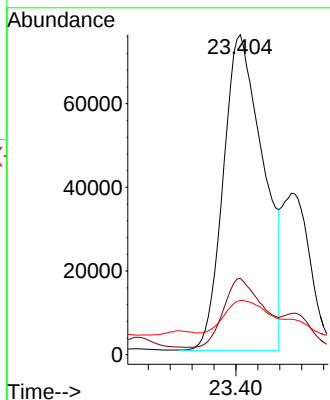
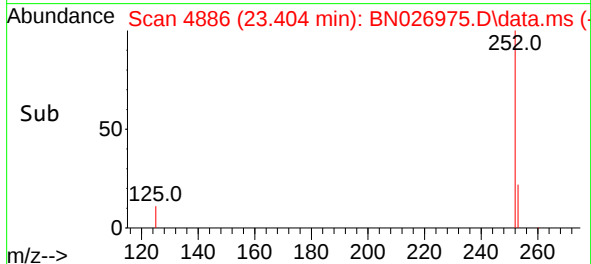
Instrument :
BNA_N
ClientSampleId :
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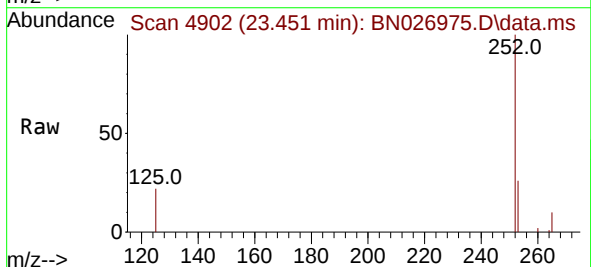
Tgt Ion:252 Resp: 191949
Ion Ratio Lower Upper
252 100
253 23.8 0.0 46.8
125 16.9 0.0 25.2

Manual Integrations
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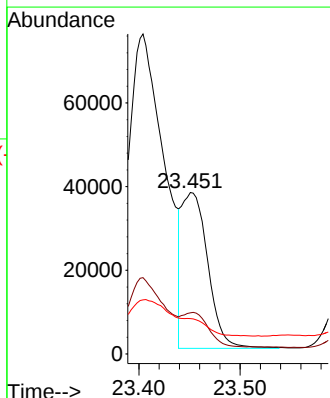
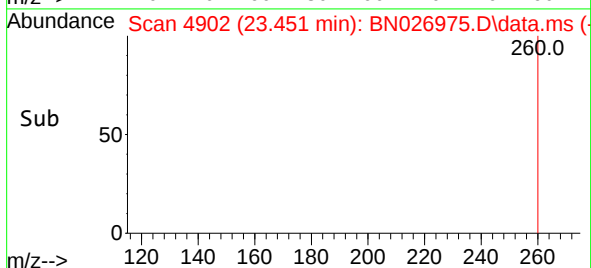
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

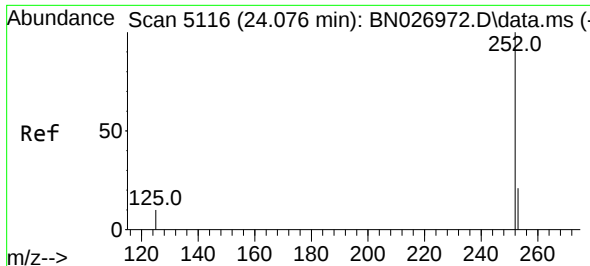


#25
Benzo(k)fluoranthene
Concen: 0.780 ng/ul m
RT: 23.451 min Scan# 4902
Delta R.T. -0.009 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02



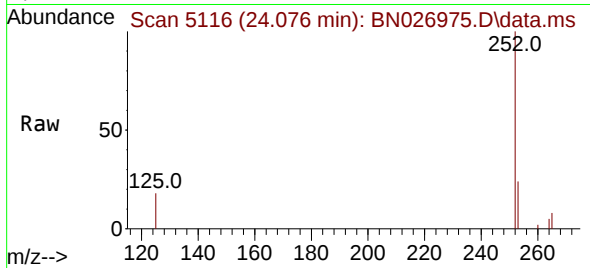
Tgt Ion:252 Resp: 66622
Ion Ratio Lower Upper
252 100
253 25.5 18.2 27.4
125 21.9 9.9 14.9#





#26
Benzo(a)pyrene
Concen: 1.549 ng/ul
RT: 24.076 min Scan# 5116
Delta R.T. -0.009 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

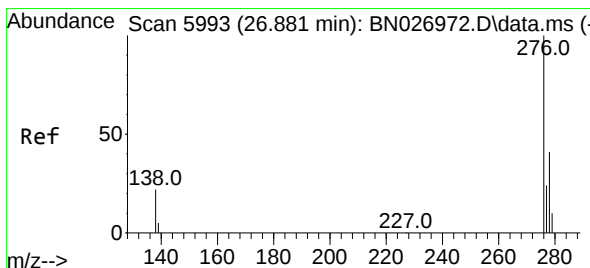
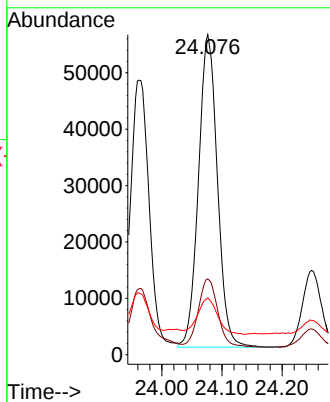
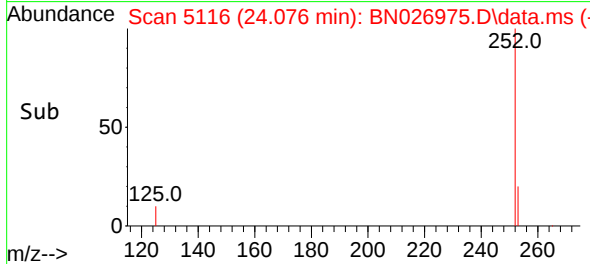
Instrument :
BNA_N
ClientSampleId :
A48J3DL



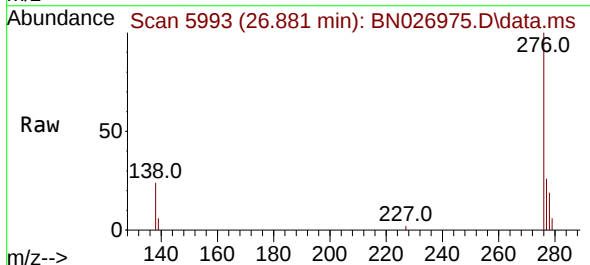
Tgt Ion:252 Resp: 12105
Ion Ratio Lower Upper
252 100
253 23.7 19.0 28.6
125 17.7 11.4 17.0

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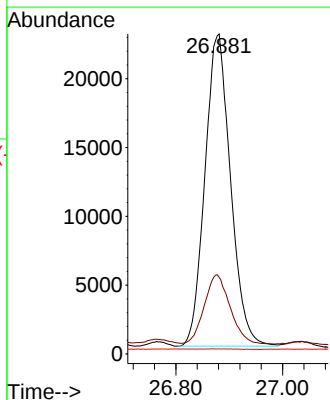
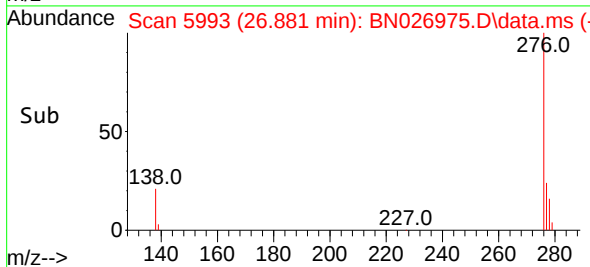
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

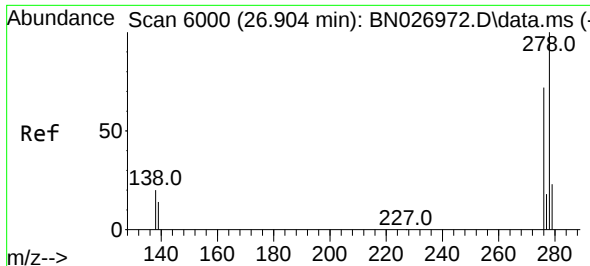


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.739 ng/ul
RT: 26.881 min Scan# 5993
Delta R.T. -0.004 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02



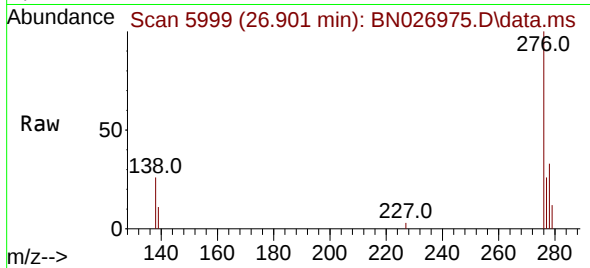
Tgt Ion:276 Resp: 75606
Ion Ratio Lower Upper
276 100
138 22.3 21.6 32.4
227 0.2 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.233 ng/ul
RT: 26.901 min Scan# 5999
Delta R.T. -0.021 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02

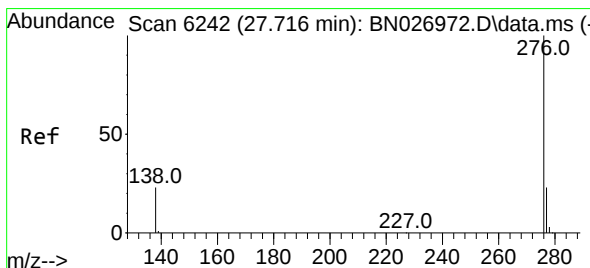
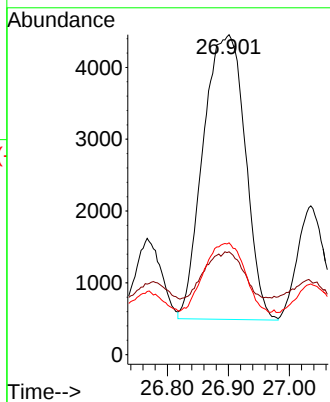
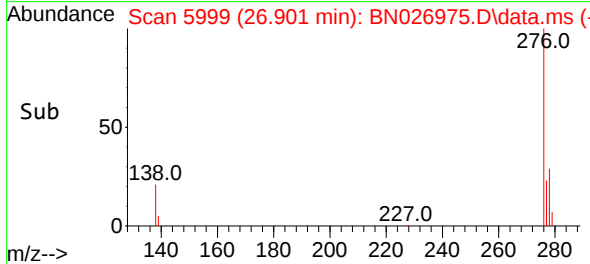
Instrument :
BNA_N
ClientSampleId :
A48J3DL



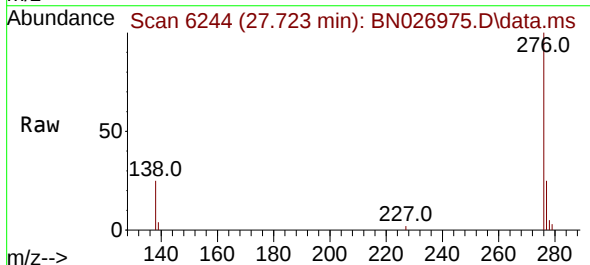
Tgt Ion: 278 Resp: 1896
Ion Ratio Lower Upper
278 100
139 32.2 15.7 23.5
279 35.0 20.2 30.4

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Supervised By :mohammad ahmed 08/21/2023



#29
Benzo(g,h,i)perylene
Concen: 0.773 ng/ul
RT: 27.723 min Scan# 6244
Delta R.T. -0.000 min
Lab File: BN026975.D
Acq: 19 Aug 2023 02:02



Tgt Ion: 276 Resp: 65800
Ion Ratio Lower Upper
276 100
138 25.4 19.3 28.9
277 24.9 19.8 29.8

