

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082423\
 Data File : BN027103.D
 Acq On : 24 Aug 2023 18:38
 Operator : MA/JU
 Sample : 03968-32
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48Q0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023

Quant Time: Aug 25 03:51:22 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 : Wed Aug 23 02:28:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.089	152	6842	0.400	ng/ul	0.00
4) Naphthalene-d8	10.911	136	23162	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.717	164	14218	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.464	188	41905	0.400	ng/ul	0.00
17) Chrysene-d12	21.635	240	27129	0.400	ng/ul	# 0.00
23) Perylene-d12	24.173	264	28243	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.431	96	35675	4.392	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.484	152	7583	0.222	ng/ul	-0.01
18) Fluoranthene-d10	19.478	212	20027	0.234	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.966	128	10288	0.157	ng/ul	97
7) 2-Methylnaphthalene	12.561	142	5384	0.136	ng/ul	100
8) 1-Methylnaphthalene	12.775	142	4437	0.107	ng/ul	98
10) Acenaphthylene	14.444	152	21109	0.265	ng/ul	98
11) Acenaphthene	14.777	153	21212	0.385	ng/ul	98
12) Fluorene	15.762	166	21575	0.346	ng/ul	99
15) Phenanthrene	17.506	178	442390	3.213	ng/ul	100
16) Anthracene	17.595	178	88291	0.710	ng/ul	99
19) Fluoranthene	19.511	202	692709	6.147	ng/ul	99
20) Pyrene	19.878	202	743065m	6.180	ng/ul	
21) Benzo(a)anthracene	21.618	228	363365	3.368	ng/ul	99
22) Chrysene	21.676	228	368108	3.456	ng/ul	97
24) Benzo(b)fluoranthene	23.386	252	453781m	4.248	ng/ul	
25) Benzo(k)fluoranthene	23.433	252	141937m	1.347	ng/ul	
26) Benzo(a)pyrene	24.062	252	337985	3.506	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.847	276	175596	1.392	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.868	278	43903	0.437	ng/ul#	89
29) Benzo(g,h,i)perylene	27.686	276	165183	1.573	ng/ul	99

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

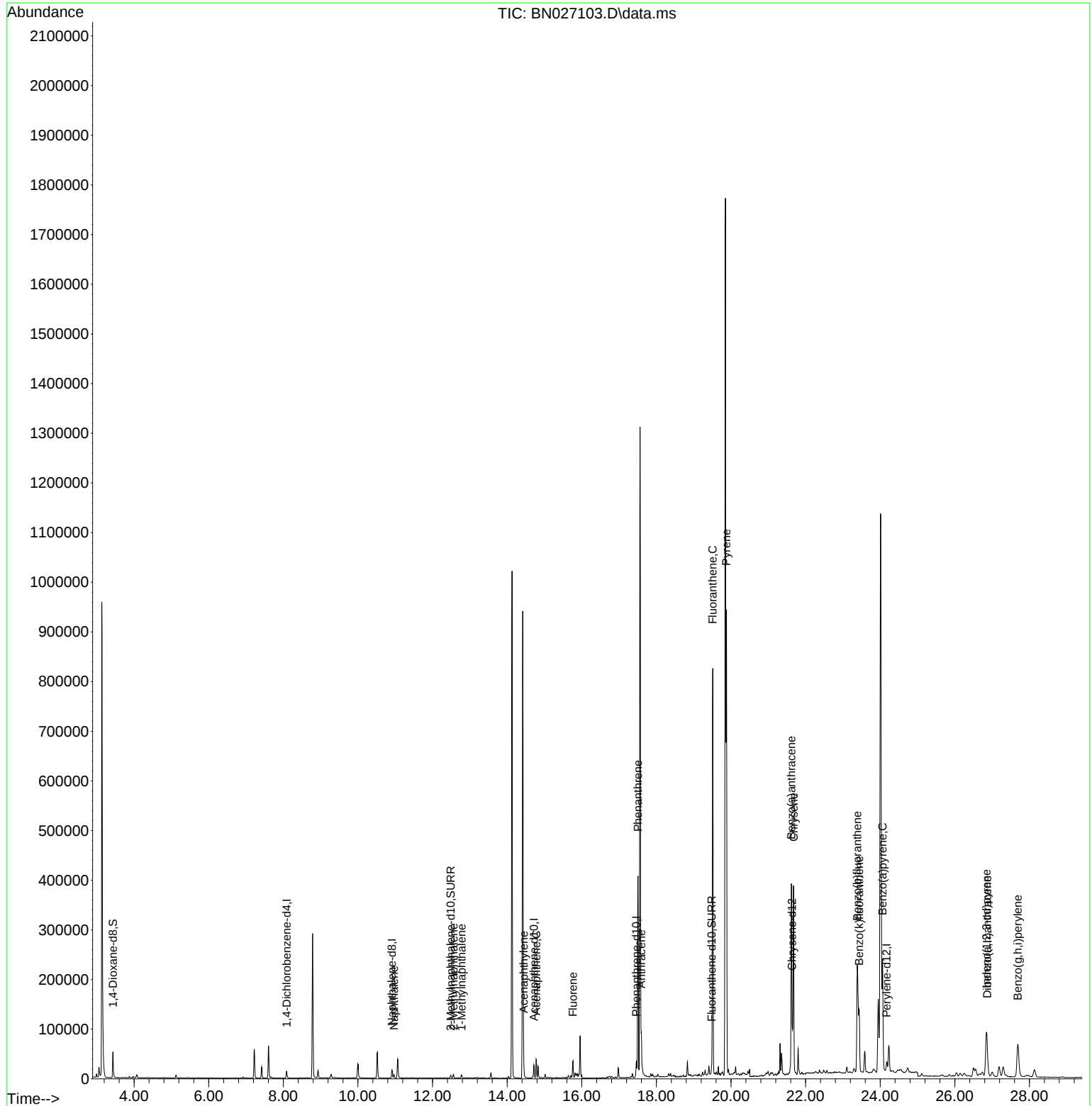
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082423\
Data File : BN027103.D
Acq On : 24 Aug 2023 18:38
Operator : MA/JU
Sample : 03968-32
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ALS Vial : 6 Sample Multiplier: 1

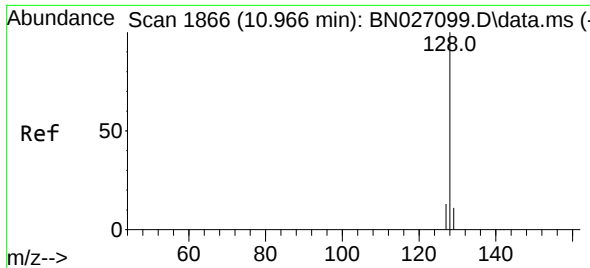
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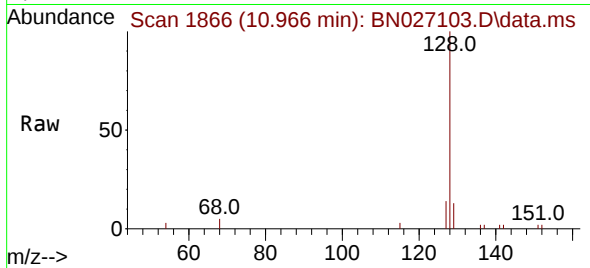
Quant Time: Aug 25 03:51:22 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 23 02:28:27 2023
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#5
Naphthalene
Concen: 0.157 ng/ul
RT: 10.966 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

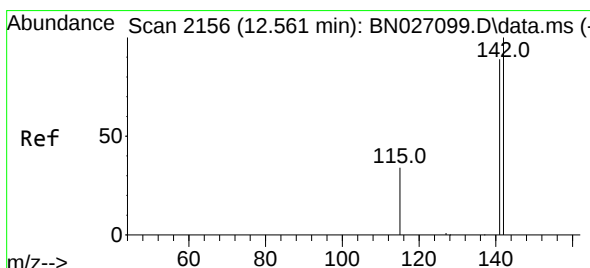
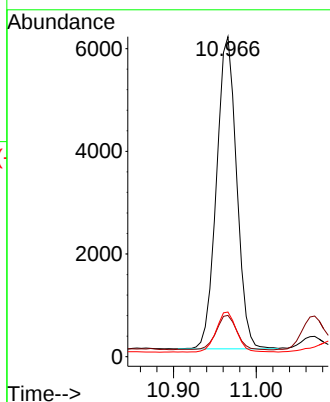
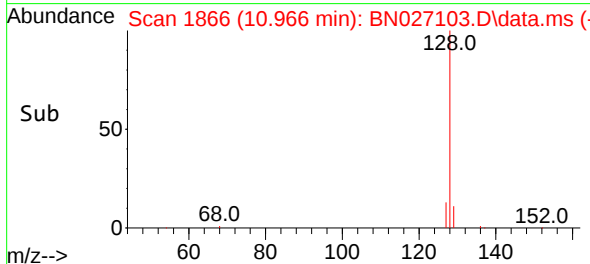
Instrument :
BNA_N
ClientSampleId :
A48Q0



Tgt Ion:128 Resp: 10284
Ion Ratio Lower Upper
128 100
129 12.9 9.2 13.8
127 14.0 10.5 15.7

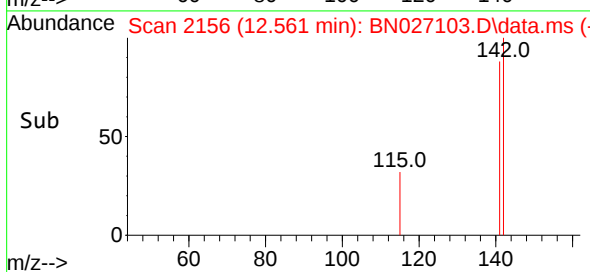
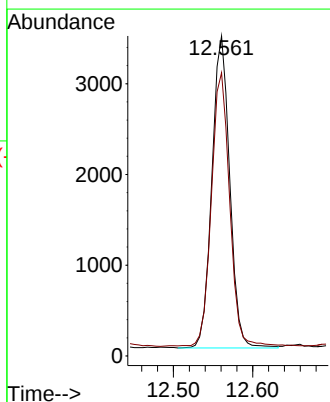
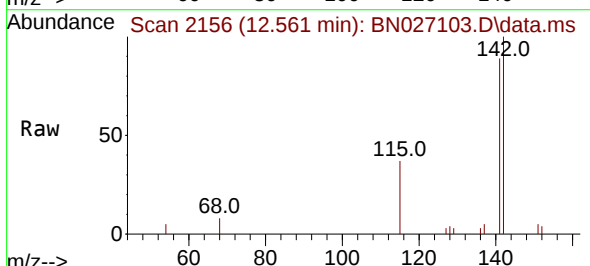
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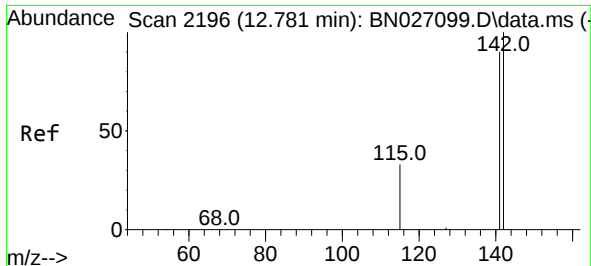
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#7
2-Methylnaphthalene
Concen: 0.136 ng/ul
RT: 12.561 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

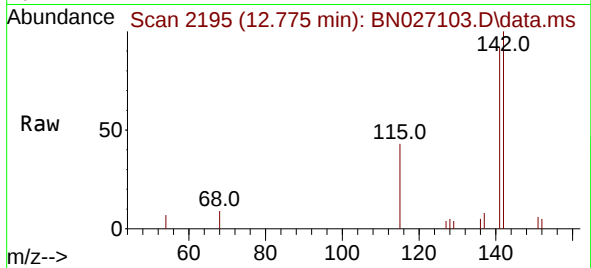
Tgt Ion:142 Resp: 5384
Ion Ratio Lower Upper
142 100
141 88.6 70.9 106.3





#8
1-Methylnaphthalene
Concen: 0.107 ng/ul
RT: 12.775 min Scan# 2195
Delta R.T. -0.011 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

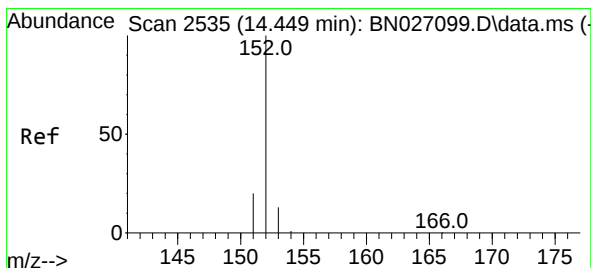
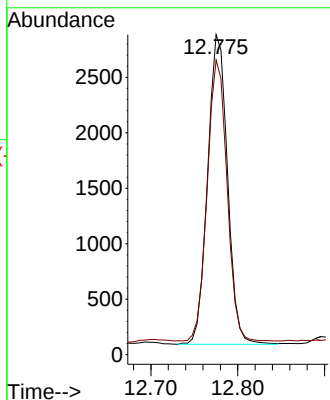
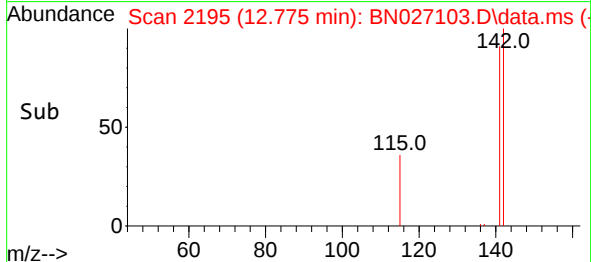
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:142 Resp: 443
Ion Ratio Lower Upper
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141 90.0 73.2 109.8

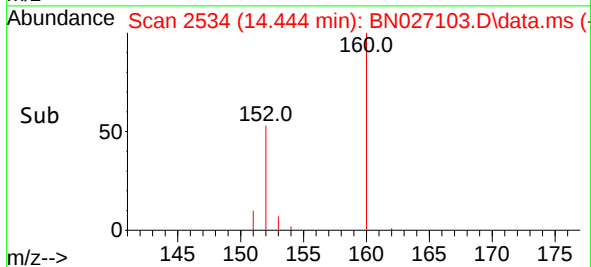
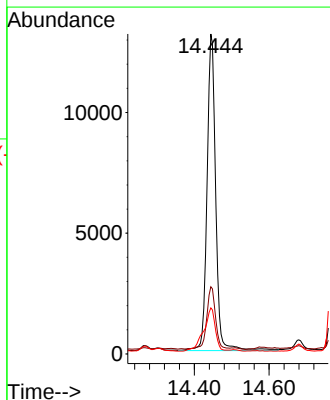
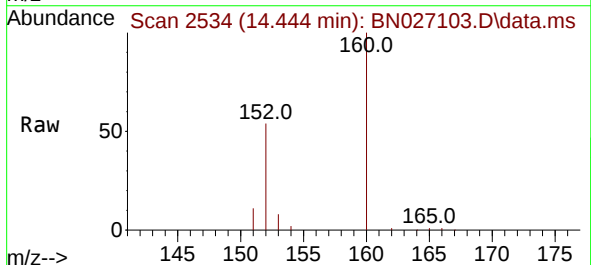
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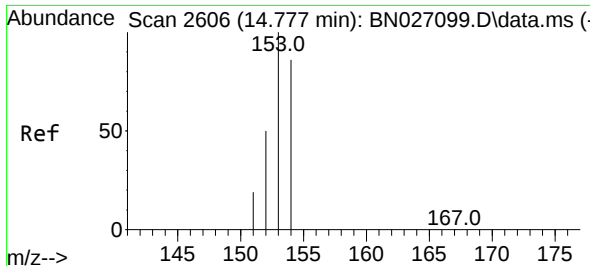
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#10
Acenaphthylene
Concen: 0.265 ng/ul
RT: 14.444 min Scan# 2534
Delta R.T. -0.009 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

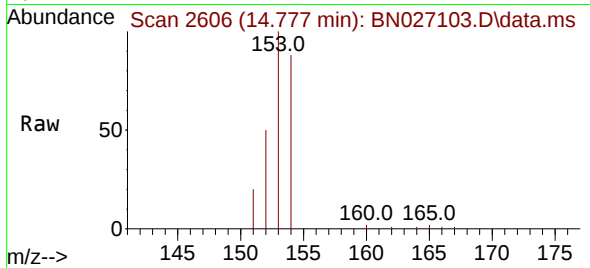
Tgt Ion:152 Resp: 21109
Ion Ratio Lower Upper
152 100
151 21.0 15.9 23.9
153 14.4 11.0 16.6





#11
Acenaphthene
Concen: 0.385 ng/ul
RT: 14.777 min Scan# 2606
Delta R.T. -0.009 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

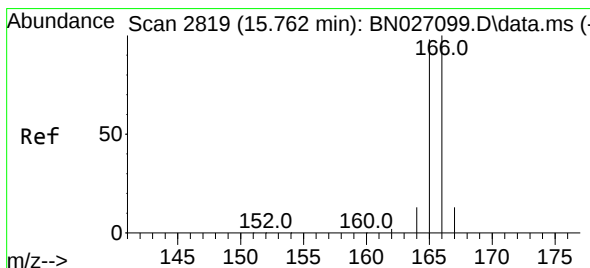
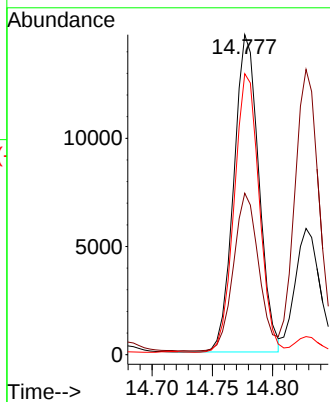
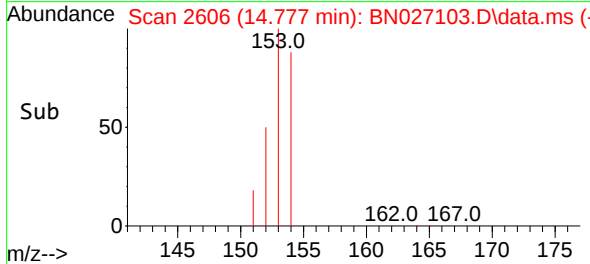
Instrument :
BNA_N
ClientSampleId :
A48Q0



Tgt Ion:153 Resp: 2121
Ion Ratio Lower Upper
153 100
152 50.5 41.1 61.7
154 87.8 71.6 107.4

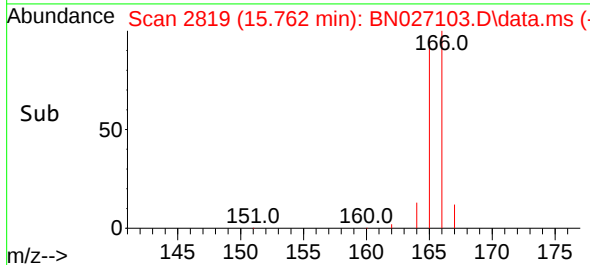
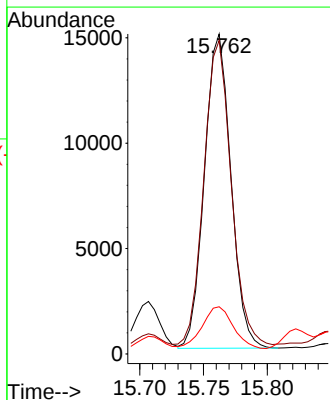
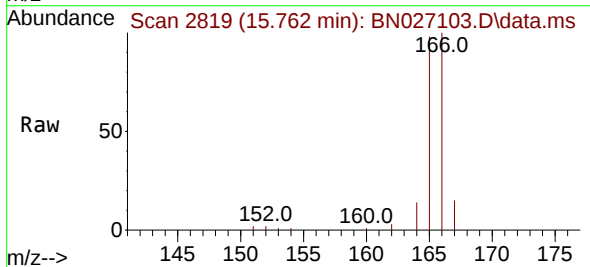
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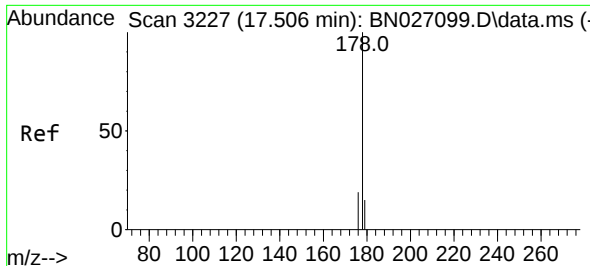
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#12
Fluorene
Concen: 0.346 ng/ul
RT: 15.762 min Scan# 2819
Delta R.T. -0.005 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

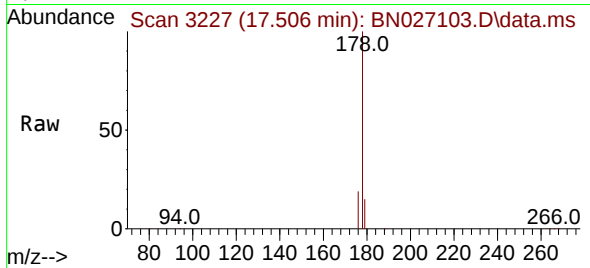
Tgt Ion:166 Resp: 21575
Ion Ratio Lower Upper
166 100
165 98.0 79.1 118.7
167 14.7 11.4 17.0





#15
Phenanthrene
Concen: 3.213 ng/ul
RT: 17.506 min Scan# 31
Delta R.T. -0.004 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

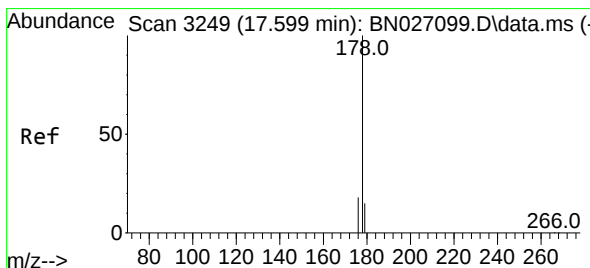
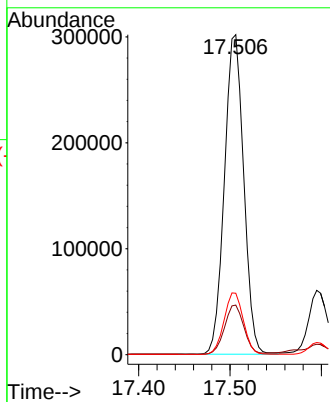
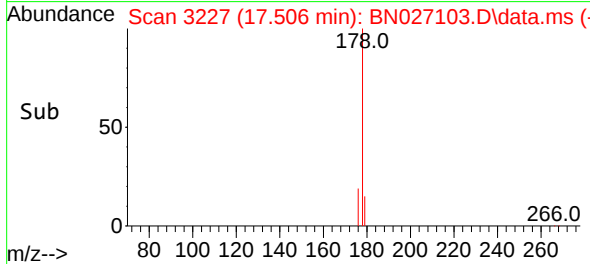
Instrument :
BNA_N
ClientSampleId :
A48Q0



Tgt Ion:178 Resp: 442390
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.2 15.4 23.2

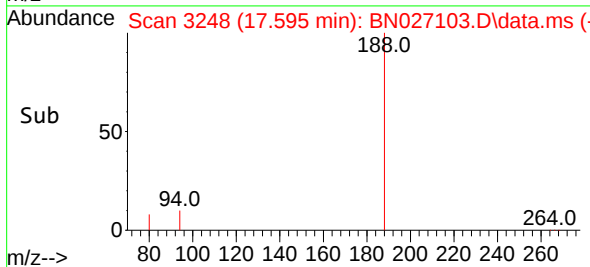
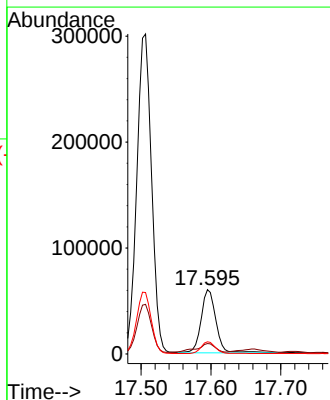
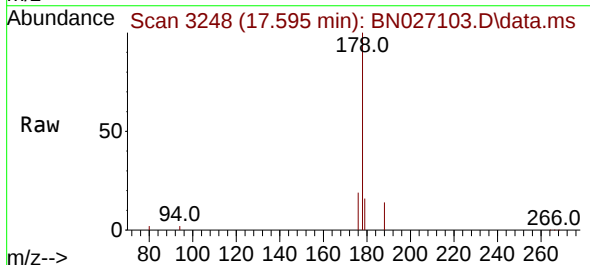
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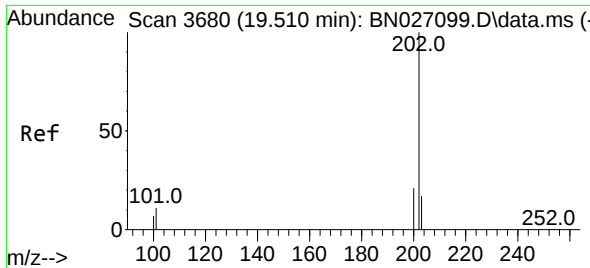
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#16
Anthracene
Concen: 0.710 ng/ul
RT: 17.595 min Scan# 3248
Delta R.T. -0.008 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

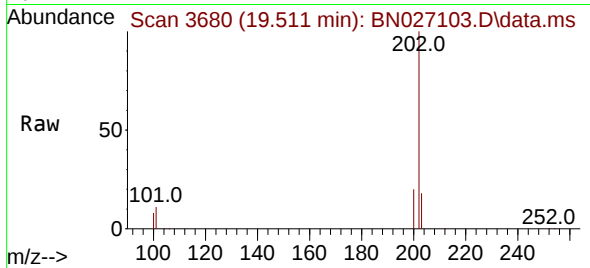
Tgt Ion:178 Resp: 88291
Ion Ratio Lower Upper
178 100
179 16.2 12.6 19.0
176 18.9 15.0 22.6





#19
Fluoranthene
Concen: 6.147 ng/ul
RT: 19.511 min Scan# 3680
Delta R.T. -0.005 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

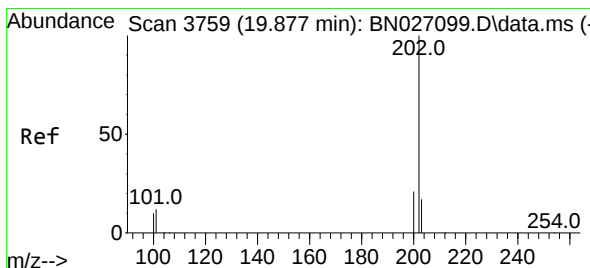
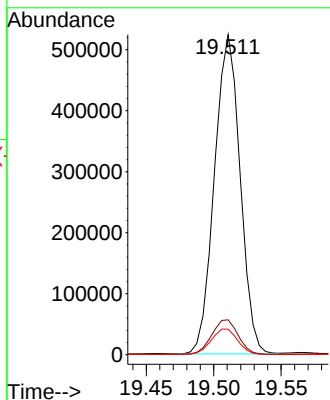
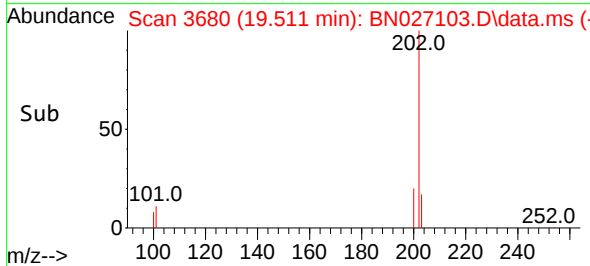
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ClientSampleId :
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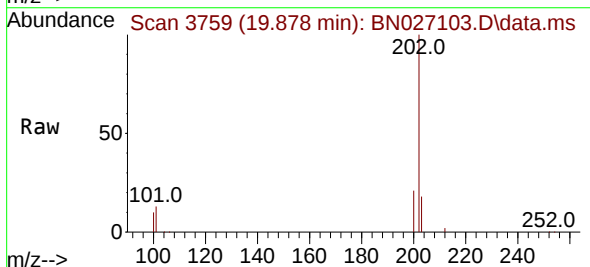
Tgt Ion:202 Resp: 692709
Ion Ratio Lower Upper
202 100
101 10.9 8.3 12.5
100 7.9 6.2 9.2

Manual Integrations
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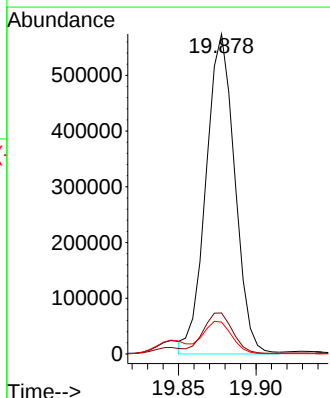
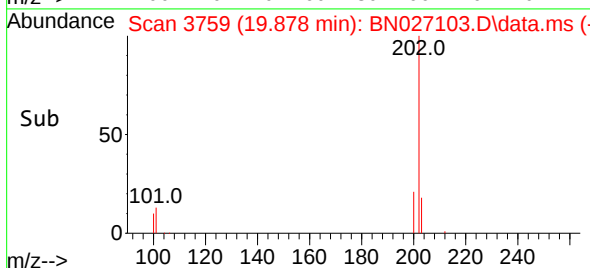
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

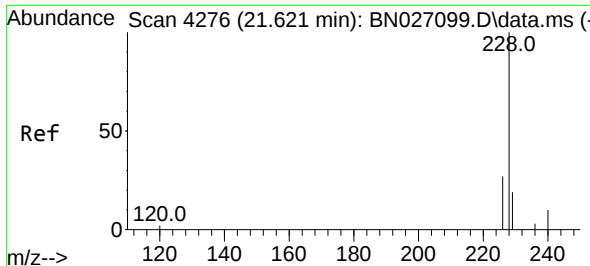


#20
Pyrene
Concen: 6.180 ng/ul m
RT: 19.878 min Scan# 3759
Delta R.T. -0.005 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38



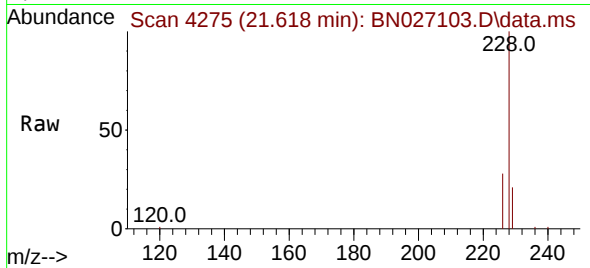
Tgt Ion:202 Resp: 743065
Ion Ratio Lower Upper
202 100
101 12.8 10.7 16.1
100 9.9 8.5 12.7





#21
Benzo(a)anthracene
Concen: 3.368 ng/ul
RT: 21.618 min Scan# 4275
Delta R.T. -0.003 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

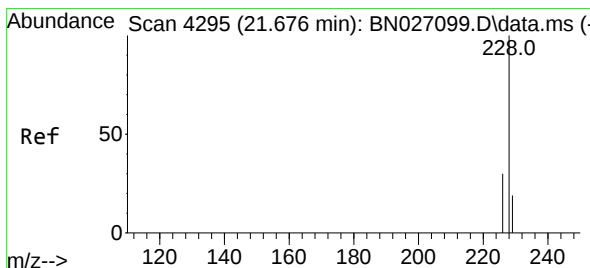
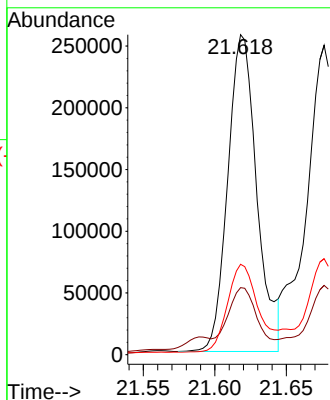
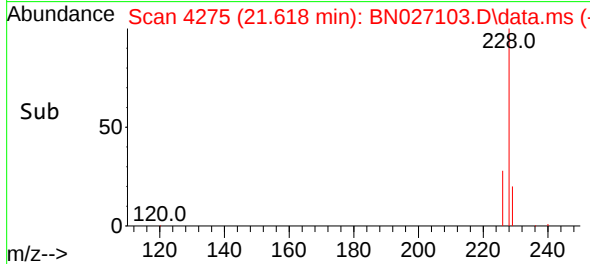
Instrument :
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Tgt Ion:228 Resp: 36336
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.3 22.2 33.2

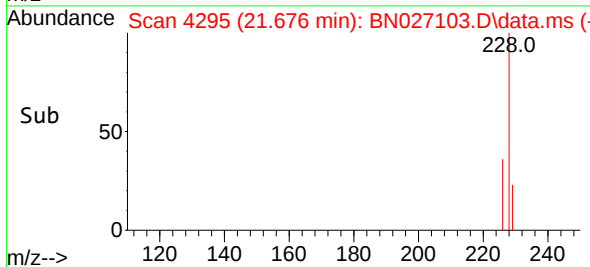
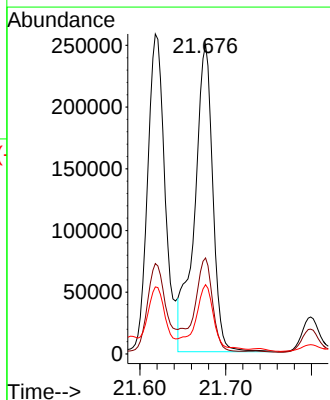
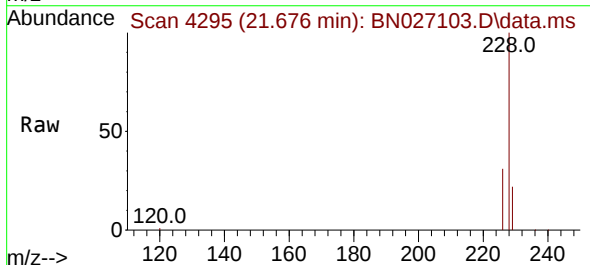
Manual Integrations
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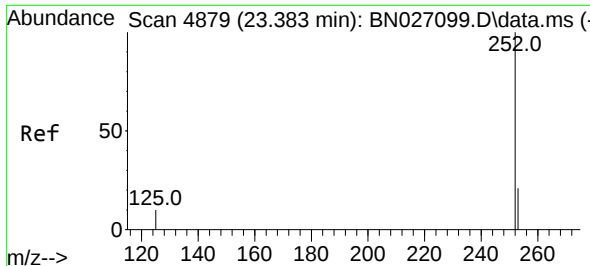
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#22
Chrysene
Concen: 3.456 ng/ul
RT: 21.676 min Scan# 4295
Delta R.T. -0.000 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

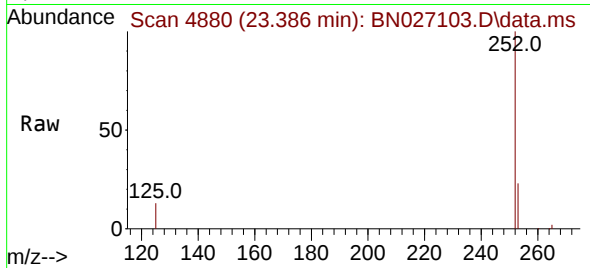
Tgt Ion:228 Resp: 368108
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 22.4 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 4.248 ng/ul m
RT: 23.386 min Scan# 4880
Delta R.T. -0.000 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

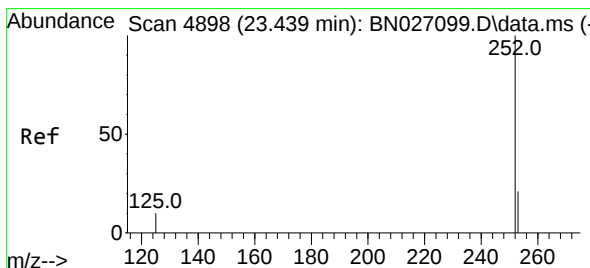
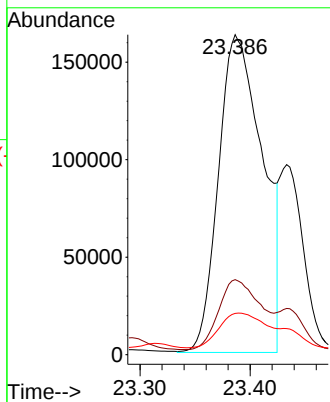
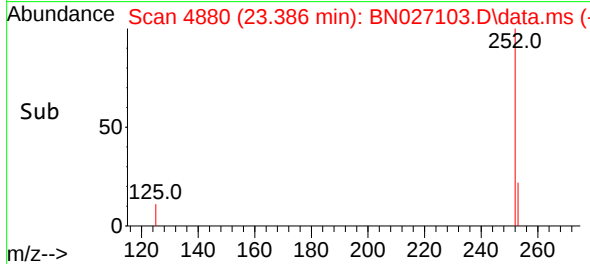
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:252 Resp: 45378
Ion Ratio Lower Upper
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253 23.4 0.0 46.8
125 12.9 0.0 25.2

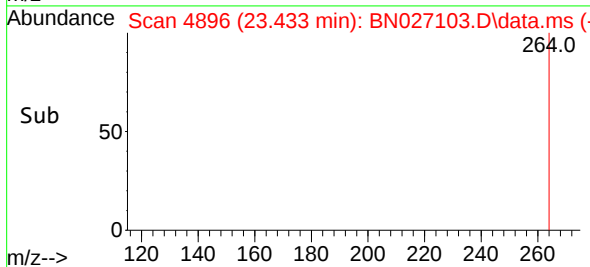
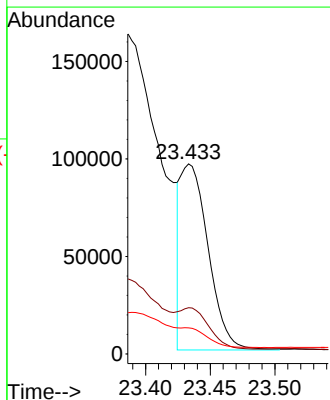
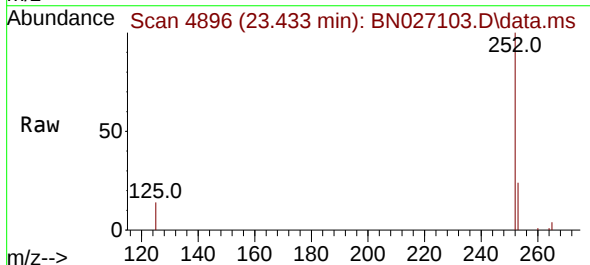
Manual Integrations
APPROVED

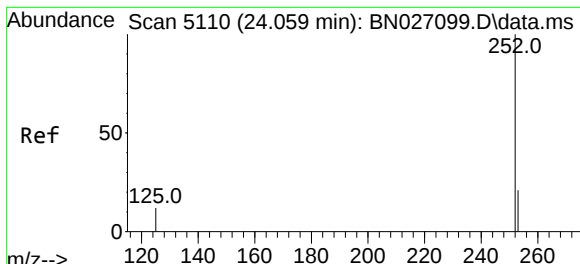
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#25
Benzo(k)fluoranthene
Concen: 1.347 ng/ul m
RT: 23.433 min Scan# 4896
Delta R.T. -0.006 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

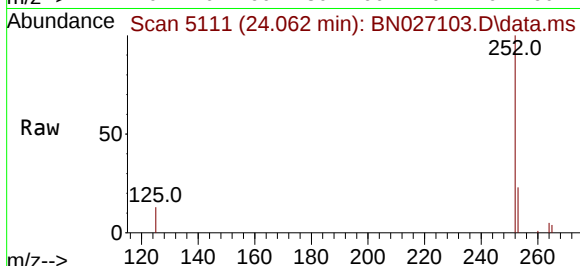
Tgt Ion:252 Resp: 141937
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.4
125 13.7 9.9 14.9





#26
Benzo(a)pyrene
Concen: 3.506 ng/ul
RT: 24.062 min Scan# 5111
Delta R.T. -0.000 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

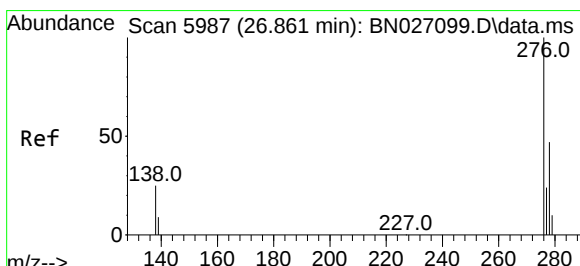
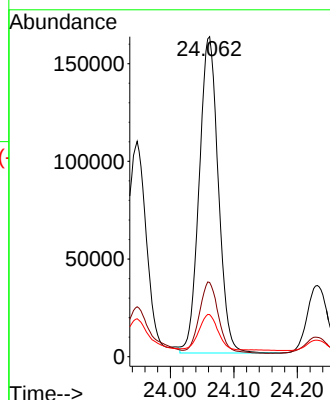
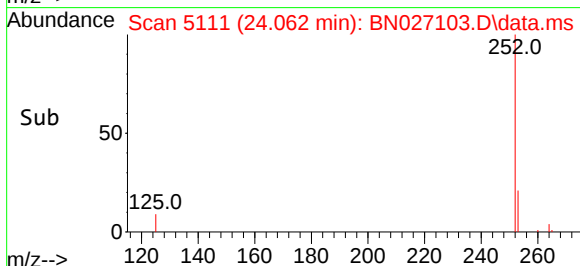
Instrument :
BNA_N
ClientSampleId :
A48Q0



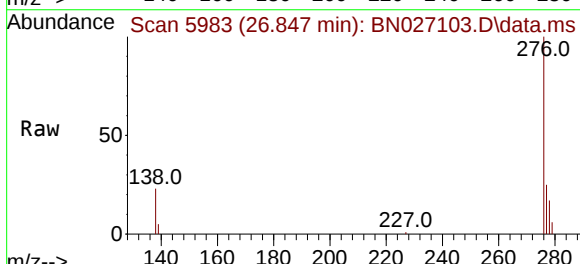
Tgt Ion:252 Resp: 337985
Ion Ratio Lower Upper
252 100
253 23.2 19.0 28.6
125 13.1 11.4 17.0

Manual Integrations
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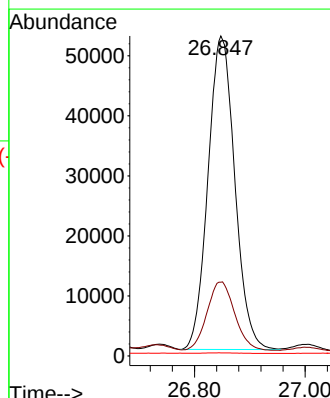
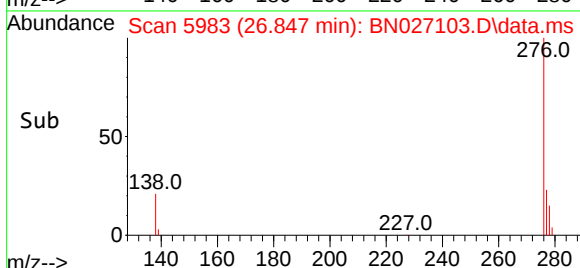
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

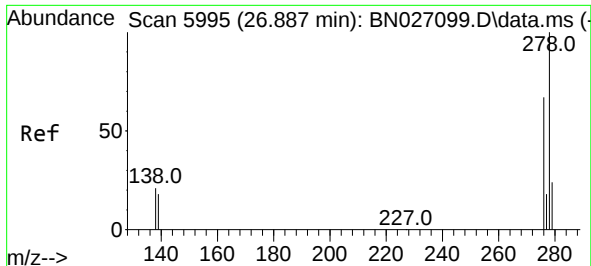


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.392 ng/ul
RT: 26.847 min Scan# 5983
Delta R.T. -0.007 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38



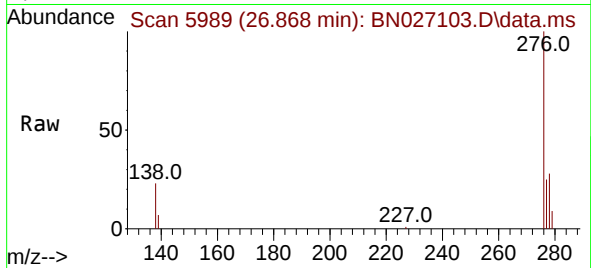
Tgt Ion:276 Resp: 175596
Ion Ratio Lower Upper
276 100
138 22.5 21.6 32.4
227 0.2 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.437 ng/ul
RT: 26.868 min Scan# 5995
Delta R.T. -0.017 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38

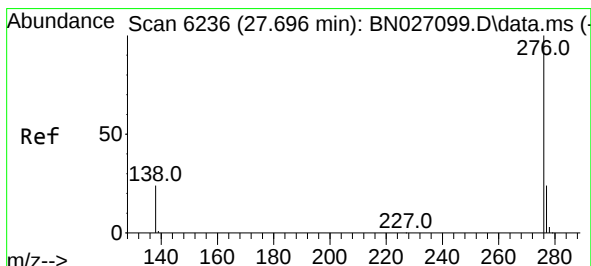
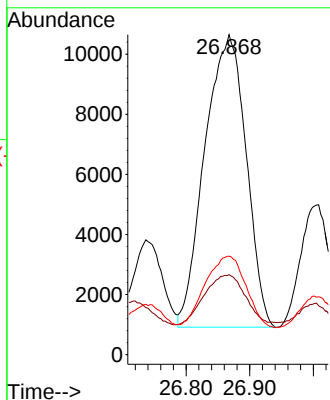
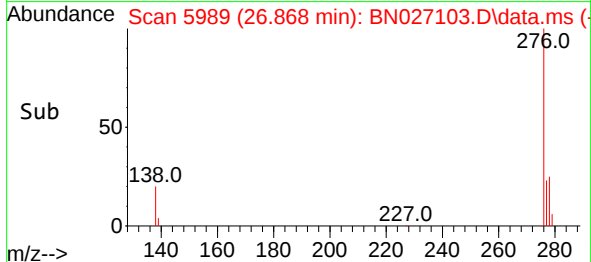
Instrument :
BNA_N
ClientSampleId :
A48Q0



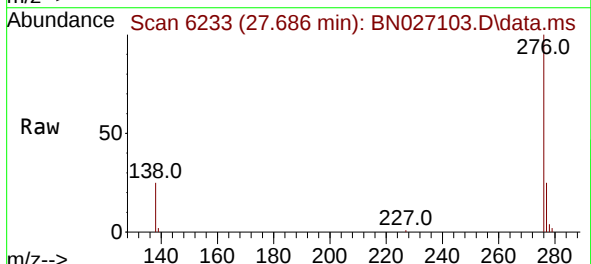
Tgt Ion:278 Resp: 4390
Ion Ratio Lower Upper
278 100
139 25.0 15.7 23.5
279 30.8 20.2 30.4

Manual Integrations
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Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#29
Benzo(g,h,i)perylene
Concen: 1.573 ng/ul
RT: 27.686 min Scan# 6233
Delta R.T. -0.010 min
Lab File: BN027103.D
Acq: 24 Aug 2023 18:38



Tgt Ion:276 Resp: 165183
Ion Ratio Lower Upper
276 100
138 24.5 19.3 28.9
277 24.7 19.8 29.8

