

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030224\
 Data File : BN030261.D
 Acq On : 04 Mar 2024 18:10
 Operator : MA/JU
 Sample : P1512-09DL 5X
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E0SC0DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/05/2024
 Supervised By :mohammad ahmed 03/05/2024

Quant Time: Mar 04 22:47:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN030224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 05:54:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	1391	0.400	ng/ul	0.00
4) Naphthalene-d8	10.621	136	3485	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.473	164	1729	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.229	188	3424	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.439	240	3272	0.400	ng/ul	# 0.00
23) Perylene-d12	23.795	264	3641	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.307	96	2159	1.121	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.222	152	311	0.069	ng/ul	0.00
18) Fluoranthene-d10	19.266	212	653	0.061	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.671	128	5752	0.559	ng/ul	98
7) 2-Methylnaphthalene	12.299	142	1061	0.190	ng/ul	98
8) 1-Methylnaphthalene	12.519	142	932	0.158	ng/ul	99
10) Acenaphthylene	14.195	152	996	0.103	ng/ul#	79
11) Acenaphthene	14.538	153	2995	0.422	ng/ul	97
12) Fluorene	15.528	166	4291	0.594	ng/ul	98
15) Phenanthrene	17.271	178	40802	3.555	ng/ul	97
16) Anthracene	17.364	178	14003	1.386	ng/ul	94
19) Fluoranthene	19.294	202	72644	4.998	ng/ul#	94
20) Pyrene	19.661	202	63047	3.990	ng/ul#	91
21) Benzo(a)anthracene	21.424	228	38497	3.329	ng/ul	98
22) Chrysene	21.477	228	32238	2.320	ng/ul	98
24) Benzo(b)fluoranthene	23.082	252	47342m	3.372	ng/ul	
25) Benzo(k)fluoranthene	23.122	252	18933m	1.143	ng/ul	
26) Benzo(a)pyrene	23.687	252	35606	2.491	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	26.216	276	24839	1.361	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.229	278	6076	0.430	ng/ul	94
29) Benzo(g,h,i)perylene	26.954	276	25186	1.487	ng/ul#	92

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

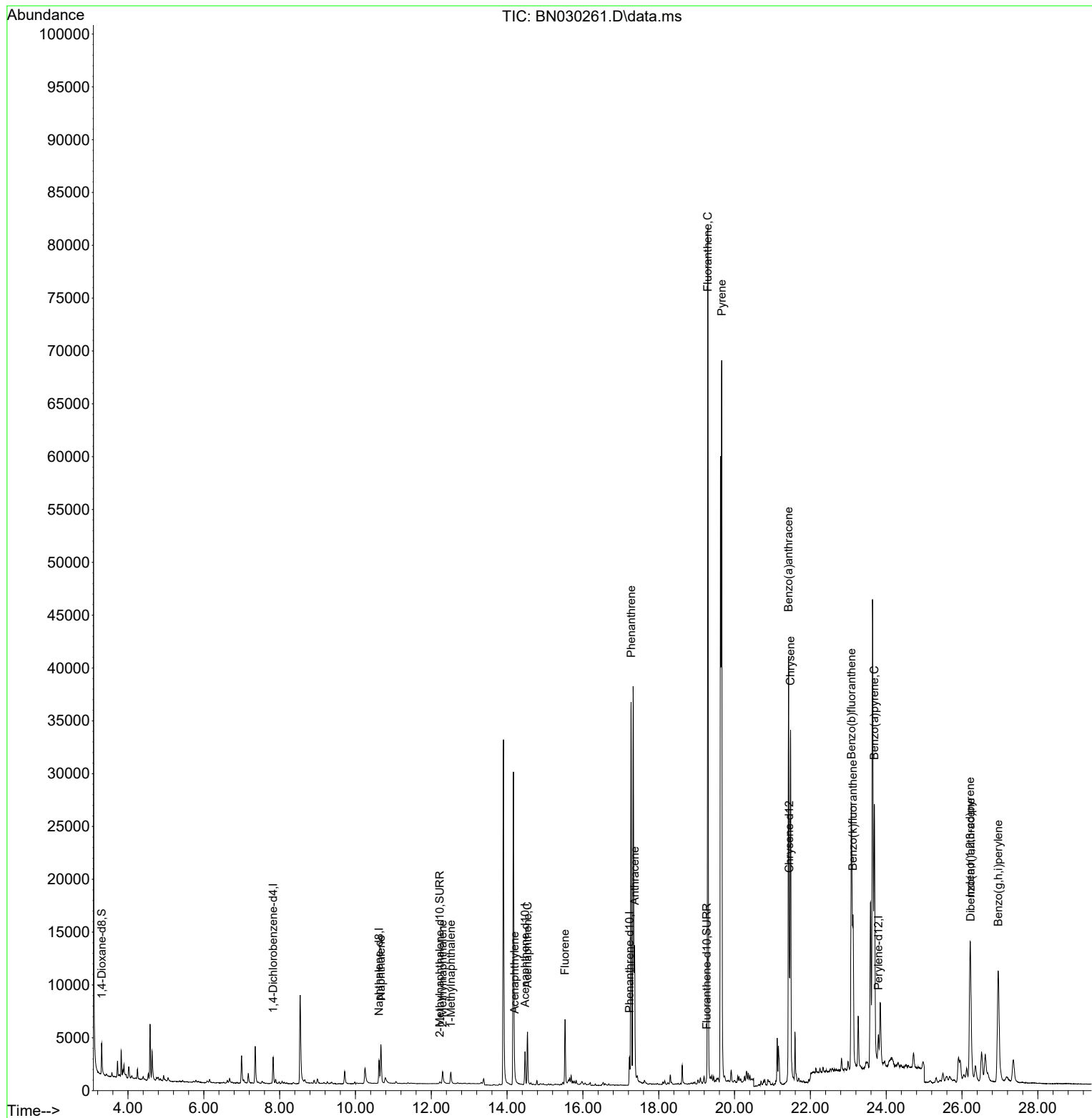
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030224\
Data File : BN030261.D
Acq On : 04 Mar 2024 18:10
Operator : MA/JU
Sample : P1512-09DL 5X
Misc :
ALS Vial : 84 Sample Multiplier: 1

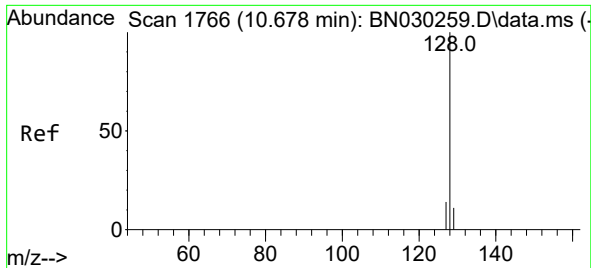
Instrument :
BNA_N
ClientSampleId :
E0SC0DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024

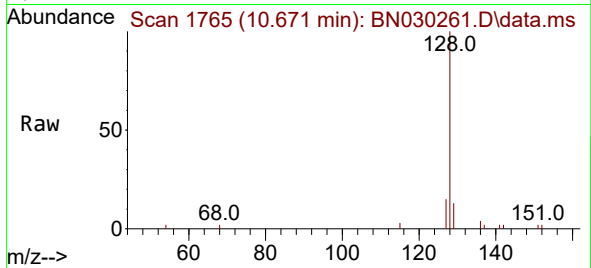
Quant Time: Mar 04 22:47:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN030224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 05:54:20 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.559 ng/ul
RT: 10.671 min Scan# 1765
Delta R.T. -0.007 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

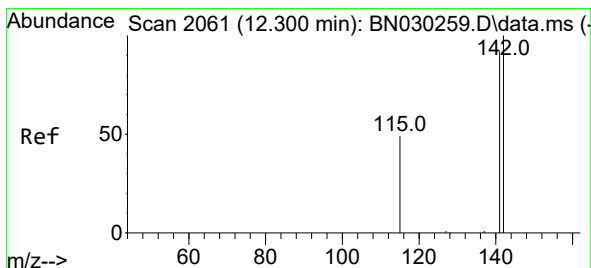
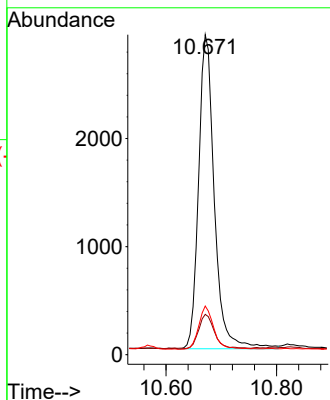
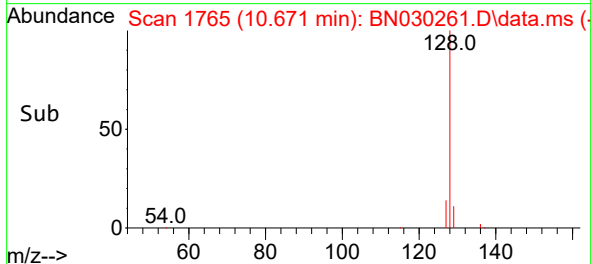
Instrument :
BNA_N
ClientSampleId :
E0SC0DL



Tgt Ion:128 Resp: 575
Ion Ratio Lower Upper
128 100
129 12.6 11.0 16.4
127 15.2 12.3 18.5

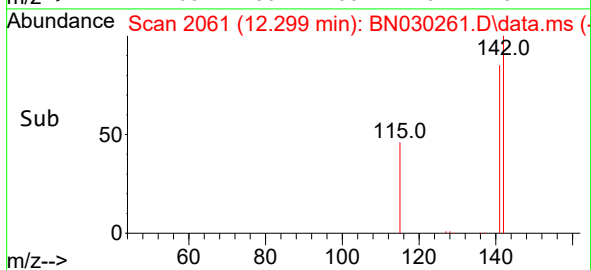
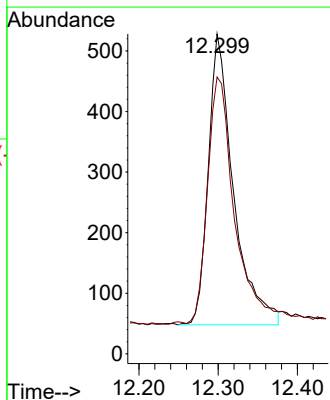
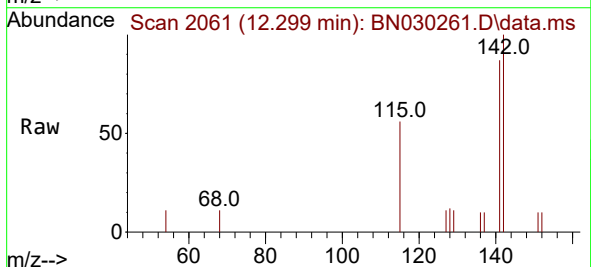
Manual Integrations
APPROVED

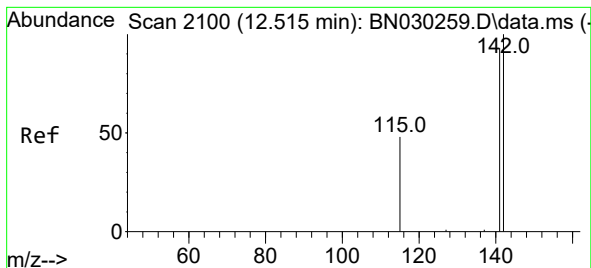
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#7
2-Methylnaphthalene
Concen: 0.190 ng/ul
RT: 12.299 min Scan# 2061
Delta R.T. -0.007 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

Tgt Ion:142 Resp: 1061
Ion Ratio Lower Upper
142 100
141 89.4 72.8 109.2





#8

1-Methylnaphthalene

Concen: 0.158 ng/ul

RT: 12.519 min Scan# 2101

Delta R.T. -0.001 min

Lab File: BN030261.D

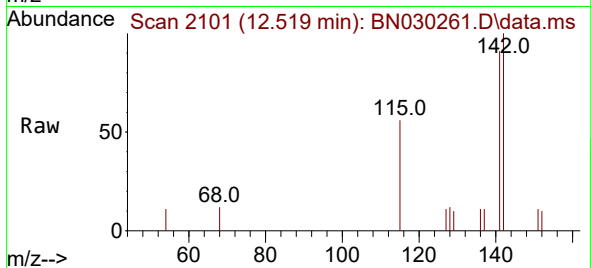
Acq: 04 Mar 2024 18:10

Instrument :

BNA_N

ClientSampleId :

E0SC0DL



Tgt Ion:142 Resp: 932

Ion Ratio Lower Upper

142 100

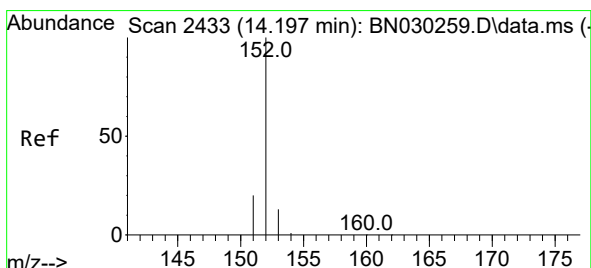
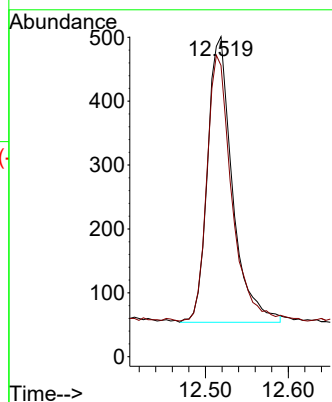
141 91.8 74.2 111.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/05/2024

Supervised By :mohammad ahmed 03/05/2024



#10

Acenaphthylene

Concen: 0.103 ng/ul

RT: 14.195 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BN030261.D

Acq: 04 Mar 2024 18:10

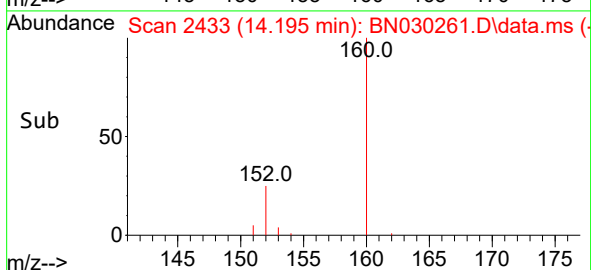
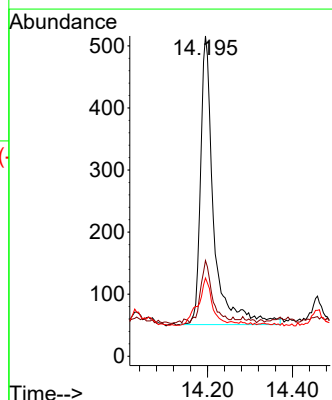
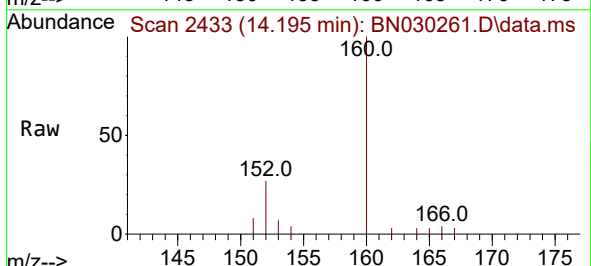
Tgt Ion:152 Resp: 996

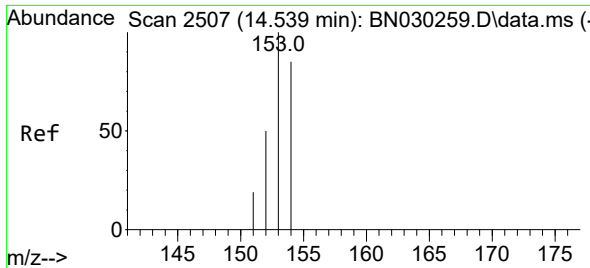
Ion Ratio Lower Upper

152 100

151 29.8 16.9 25.3#

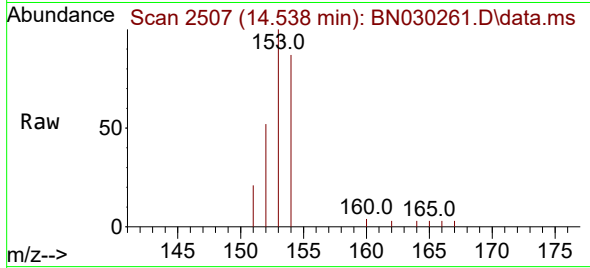
153 24.4 11.8 17.6#





#11
Acenaphthene
Concen: 0.422 ng/ul
RT: 14.538 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

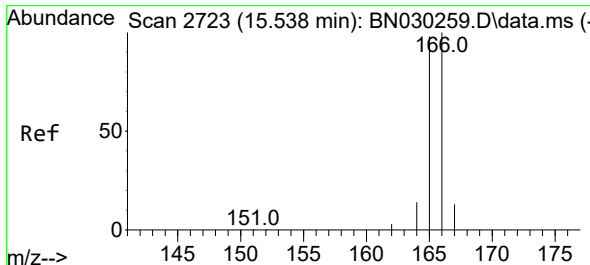
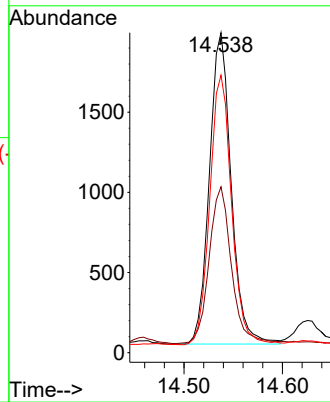
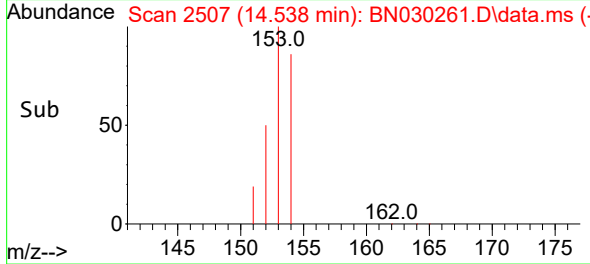
Instrument :
BNA_N
ClientSampleId :
E0SC0DL



Tgt Ion:153 Resp: 299
Ion Ratio Lower Upper
153 100
152 51.9 43.2 64.8
154 86.7 67.5 101.3

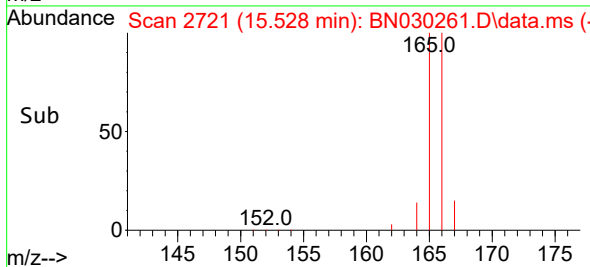
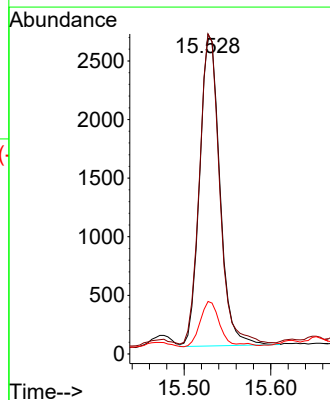
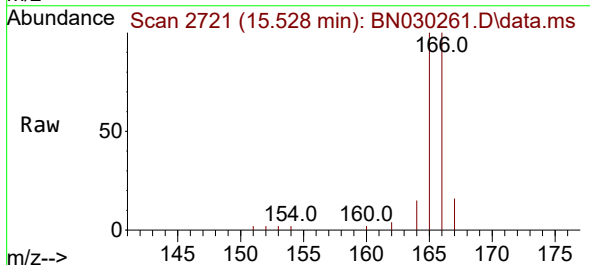
Manual Integrations
APPROVED

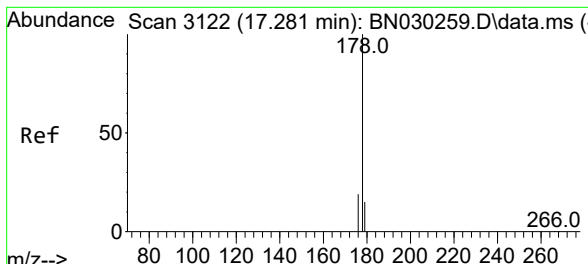
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#12
Fluorene
Concen: 0.594 ng/ul
RT: 15.528 min Scan# 2721
Delta R.T. -0.011 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

Tgt Ion:166 Resp: 4291
Ion Ratio Lower Upper
166 100
165 100.1 81.8 122.6
167 16.4 13.0 19.4



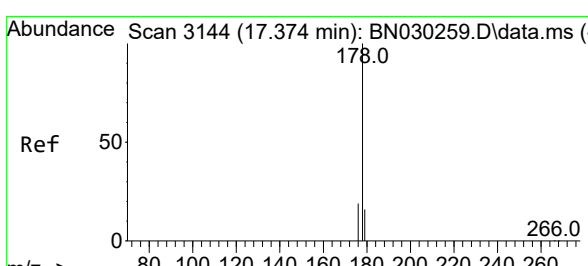
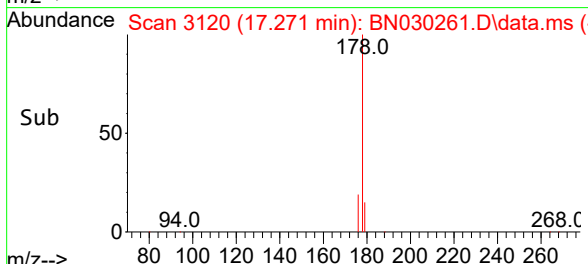
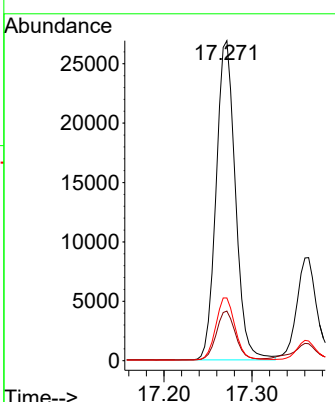
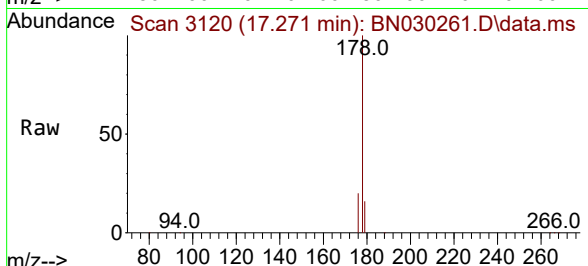


#15
 Phenanthrene
 Concen: 3.555 ng/ul
 RT: 17.271 min Scan# 3120
 Delta R.T. -0.009 min
 Lab File: BN030261.D
 Acq: 04 Mar 2024 18:10

Instrument : BNA_N
 ClientSampleId : E0SC0DL

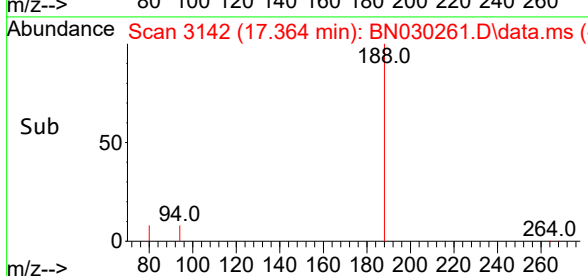
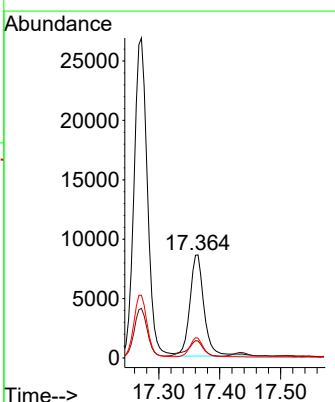
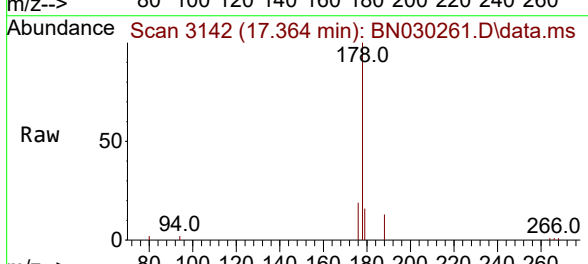
Tgt Ion:	178	Resp:	4080
Ion Ratio	Lower	Upper	
178	100		
179	15.5	13.8	20.8
176	19.6	16.6	25.0

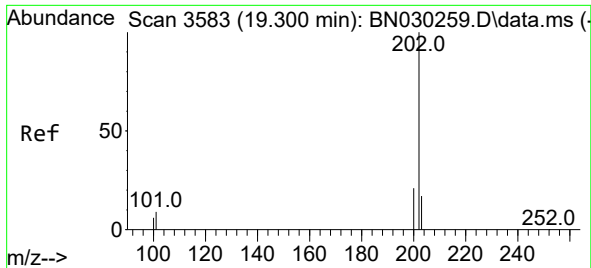
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 03/05/2024
 Supervised By :mohammad ahmed 03/05/2024



#16
 Anthracene
 Concen: 1.386 ng/ul
 RT: 17.364 min Scan# 3142
 Delta R.T. -0.009 min
 Lab File: BN030261.D
 Acq: 04 Mar 2024 18:10

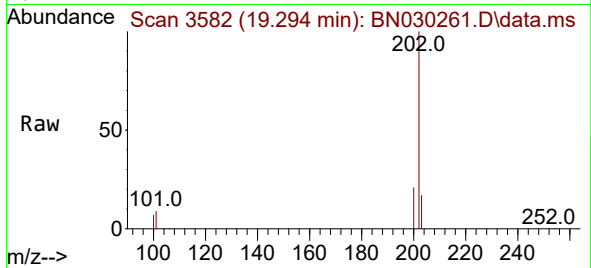
Tgt Ion:	178	Resp:	14003
Ion Ratio	Lower	Upper	
178	100		
179	16.4	14.8	22.2
176	19.2	17.8	26.6





#19
Fluoranthene
Concen: 4.998 ng/ul
RT: 19.294 min Scan# 3583
Delta R.T. -0.010 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

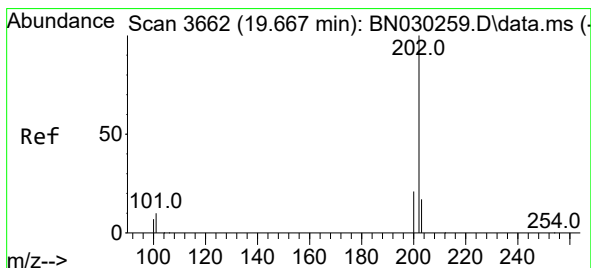
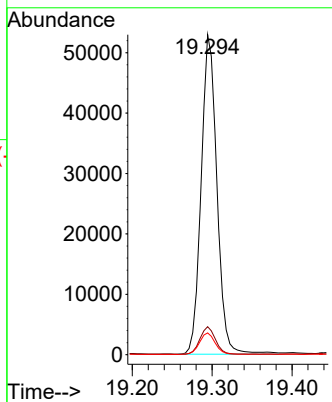
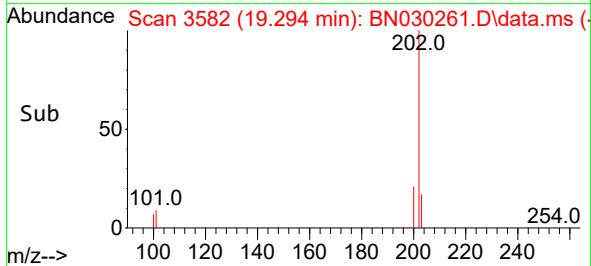
Instrument :
BNA_N
ClientSampleId :
E0SC0DL



Tgt Ion:202 Resp: 72644
Ion Ratio Lower Upper
202 100
101 8.7 8.8 13.2#
100 6.8 7.4 11.2#

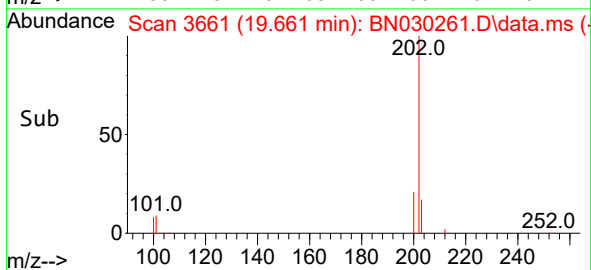
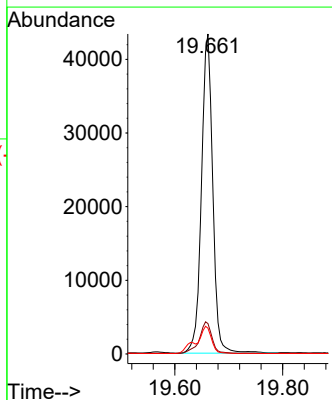
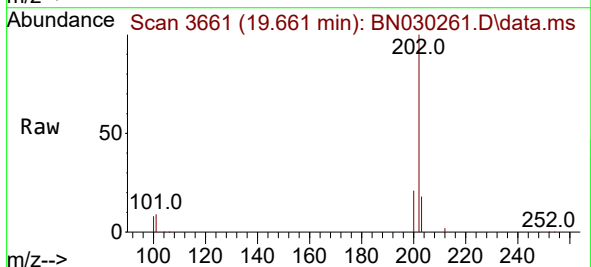
Manual Integrations
APPROVED

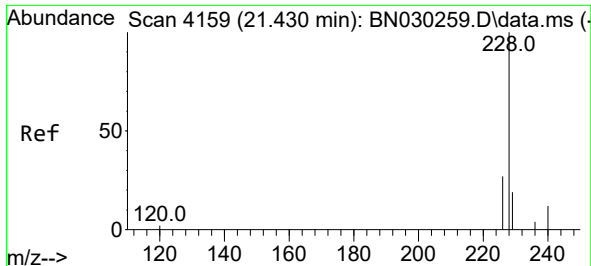
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#20
Pyrene
Concen: 3.990 ng/ul
RT: 19.661 min Scan# 3661
Delta R.T. -0.006 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

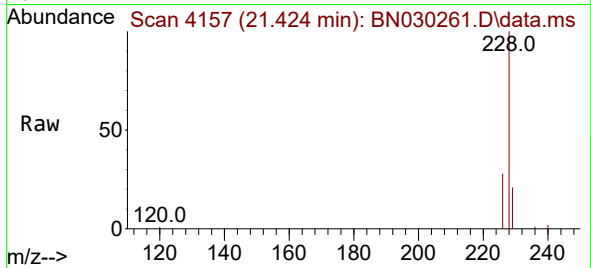
Tgt Ion:202 Resp: 63047
Ion Ratio Lower Upper
202 100
101 9.5 10.6 15.8#
100 8.0 8.8 13.2#





#21
Benzo(a)anthracene
Concen: 3.329 ng/ul
RT: 21.424 min Scan# 4159
Delta R.T. -0.002 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

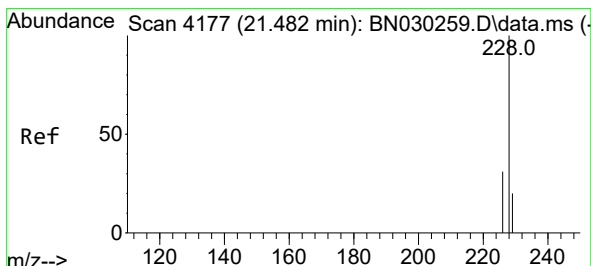
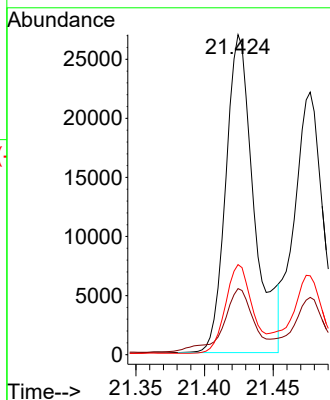
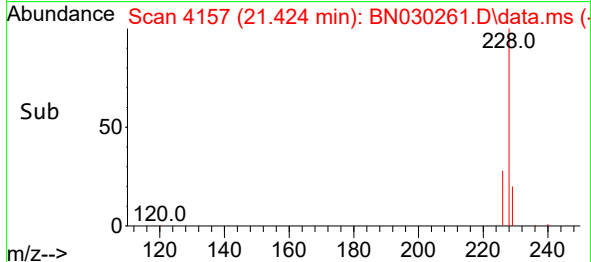
Instrument :
BNA_N
ClientSampleId :
E0SC0DL



Tgt Ion:228 Resp: 3849
Ion Ratio Lower Upper
228 100
229 20.7 16.6 24.8
226 28.2 23.7 35.5

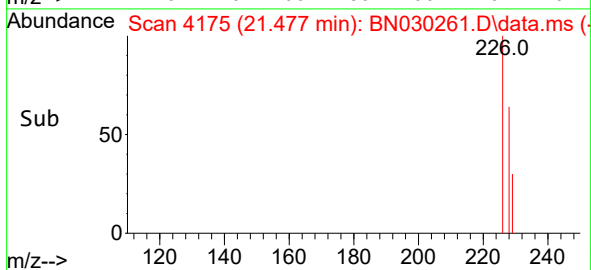
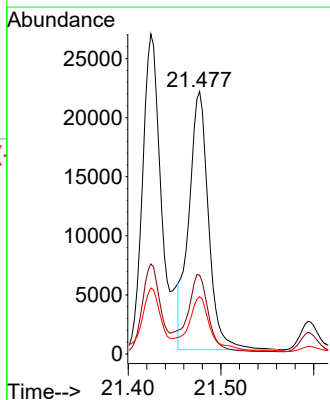
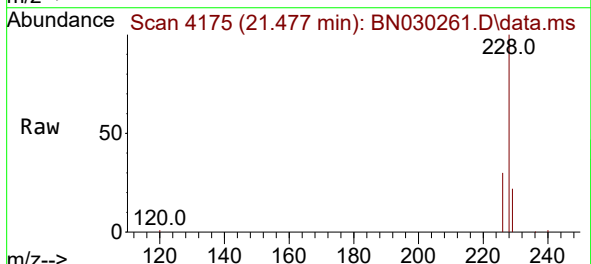
Manual Integrations
APPROVED

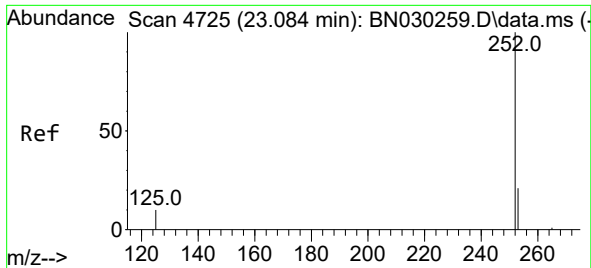
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#22
Chrysene
Concen: 2.320 ng/ul
RT: 21.477 min Scan# 4175
Delta R.T. -0.002 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

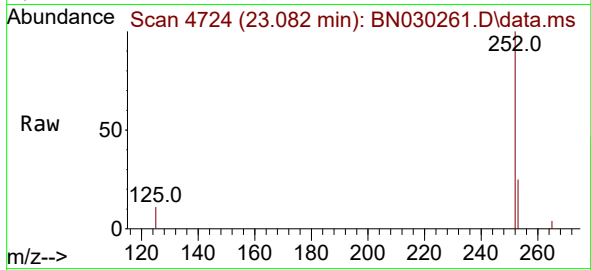
Tgt Ion:228 Resp: 32238
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 21.8 16.6 24.8





#24
Benzo(b)fluoranthene
Concen: 3.372 ng/ul m
RT: 23.082 min Scan# 4734
Delta R.T. -0.002 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

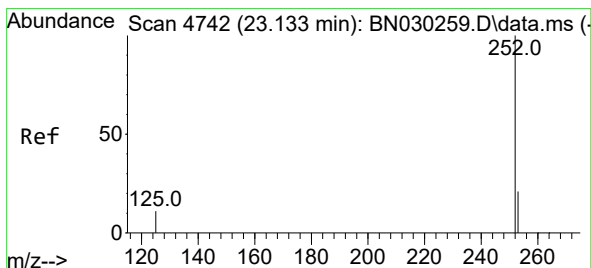
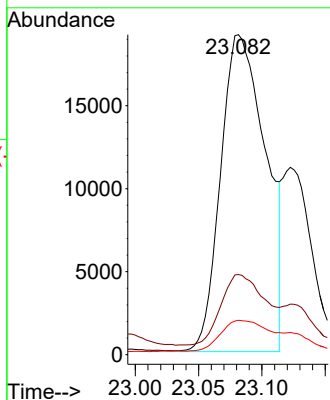
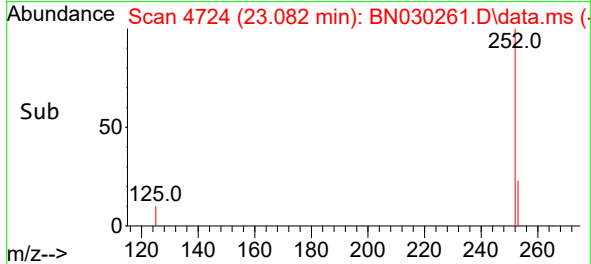
Instrument :
BNA_N
ClientSampleId :
E0SC0DL



Tgt Ion:252 Resp: 4734
Ion Ratio Lower Upper
252 100
253 25.0 0.0 69.4
125 10.8 0.0 32.8

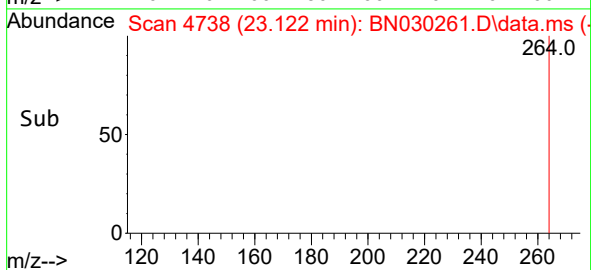
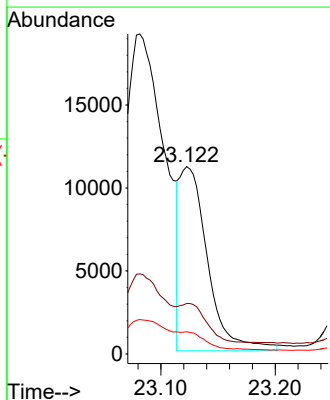
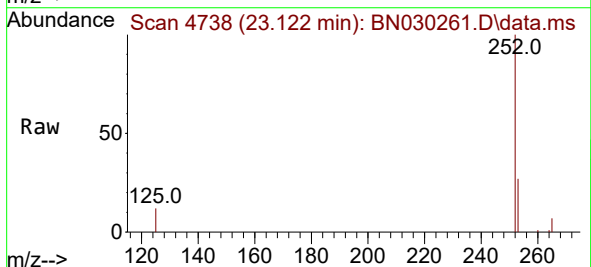
Manual Integrations
APPROVED

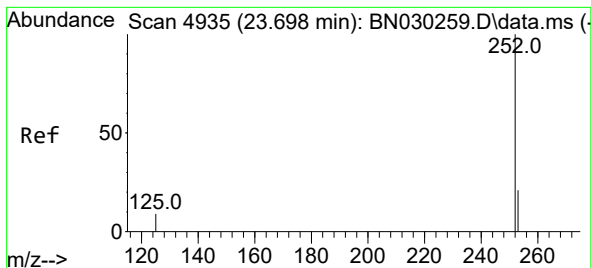
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#25
Benzo(k)fluoranthene
Concen: 1.143 ng/ul m
RT: 23.122 min Scan# 4738
Delta R.T. -0.008 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

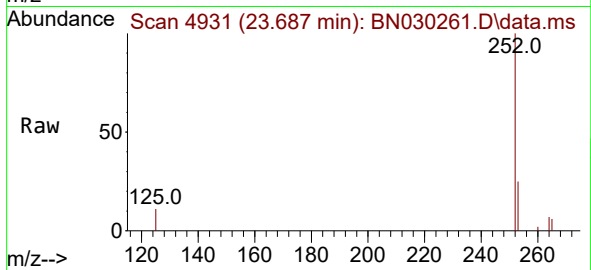
Tgt Ion:252 Resp: 18933
Ion Ratio Lower Upper
252 100
253 27.0 28.0 42.0#
125 11.9 14.4 21.6#





#26
Benzo(a)pyrene
Concen: 2.491 ng/ul
RT: 23.687 min Scan# 4931
Delta R.T. -0.008 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

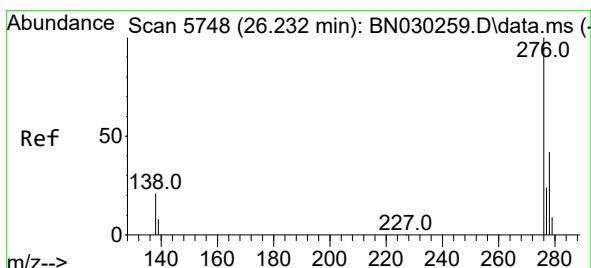
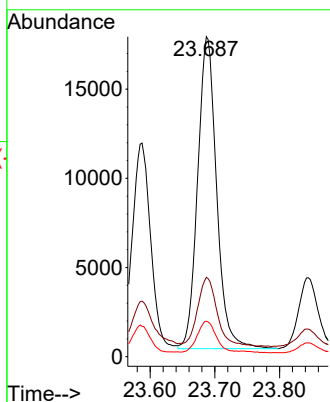
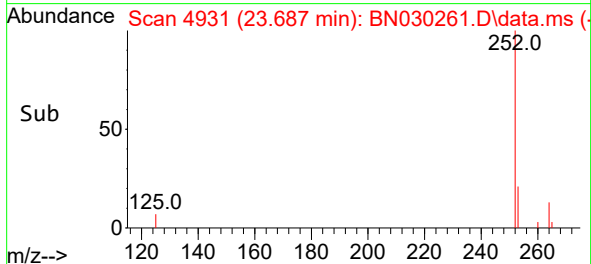
Instrument :
BNA_N
ClientSampleId :
E0SC0DL



Tgt Ion:252 Resp: 35600
Ion Ratio Lower Upper
252 100
253 24.8 33.0 49.4#
125 11.1 16.9 25.3#

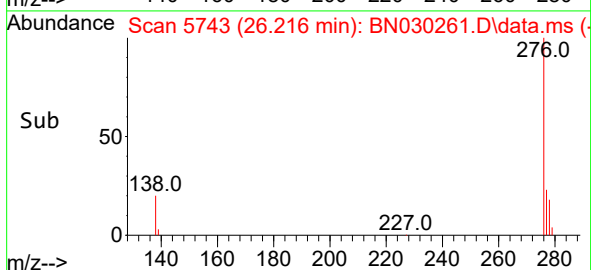
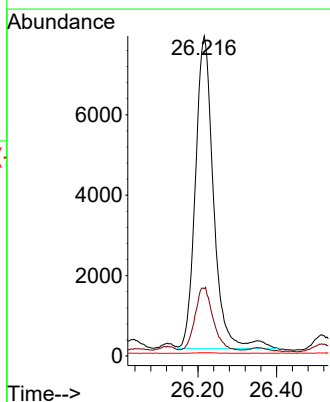
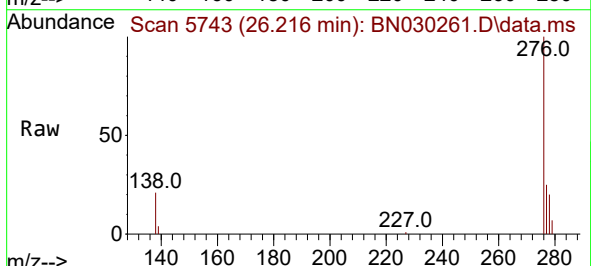
Manual Integrations
APPROVED

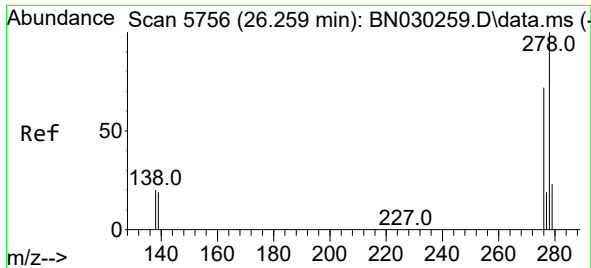
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.361 ng/ul
RT: 26.216 min Scan# 5743
Delta R.T. -0.003 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

Tgt Ion:276 Resp: 24839
Ion Ratio Lower Upper
276 100
138 20.3 20.9 31.3#
227 0.2 0.1 0.1#





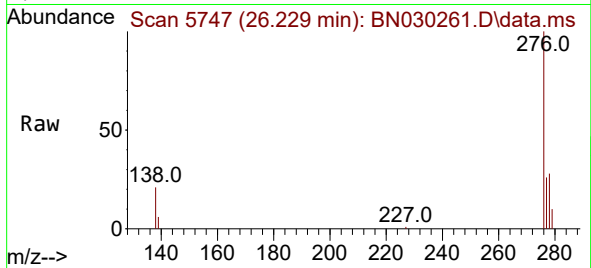
#28
Dibenzo(a,h)anthracene
Concen: 0.430 ng/ul
RT: 26.229 min Scan# 51
Delta R.T. -0.029 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10

Instrument :

BNA_N

ClientSampleId :

E0SC0DL



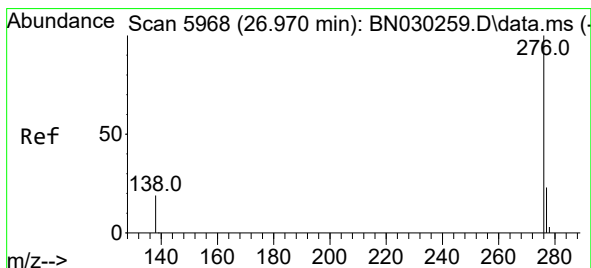
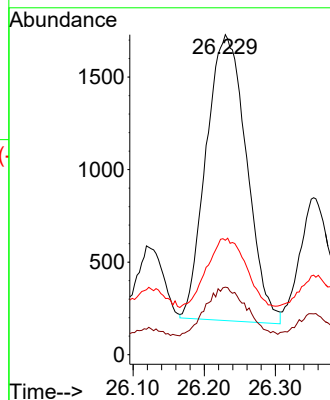
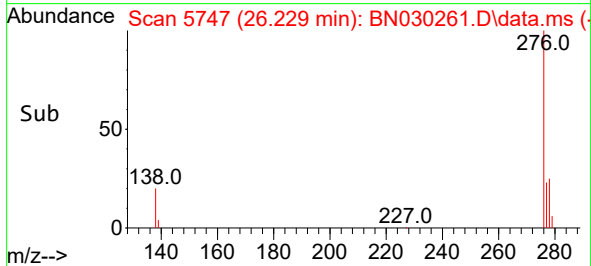
Tgt Ion:278 Resp: 6070
Ion Ratio Lower Upper
278 100
139 21.1 18.9 28.3
279 35.7 31.8 47.6

Manual Integrations

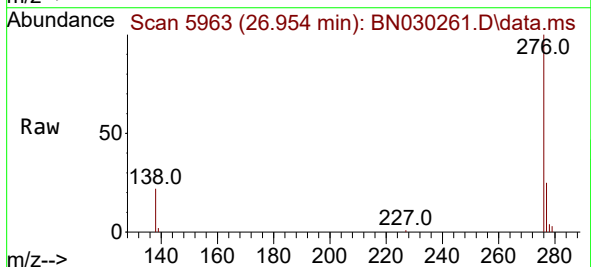
APPROVED

Reviewed By :Yogesh Patel 03/05/2024

Supervised By :mohammad ahmed 03/05/2024



#29
Benzo(g,h,i)perylene
Concen: 1.487 ng/ul
RT: 26.954 min Scan# 5963
Delta R.T. -0.013 min
Lab File: BN030261.D
Acq: 04 Mar 2024 18:10



Tgt Ion:276 Resp: 25186
Ion Ratio Lower Upper
276 100
138 22.3 22.6 33.8#
277 24.6 21.9 32.9

