

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070123\
 Data File : BN026128.D
 Acq On : 30 Jun 2023 13:19
 Operator : MA/JU
 Sample : 03239-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFZ5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023

Quant Time: Jul 01 00:55:19 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 22:47:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	10202	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.770	136	33077	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.603	164	19783	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.351	188	41359	0.400	ng/ul	0.00
17) Chrysene-d12	21.538	240	22770	0.400	ng/ul	# 0.00
23) Perylene-d12	23.996	264	22668	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	21864	1.903	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.360	152	7671	0.151	ng/ul	-0.01
18) Fluoranthene-d10	19.377	212	16905	0.195	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.820	128	5185	0.055	ng/ul#	94
7) 2-Methylnaphthalene	12.437	142	3552	0.059	ng/ul	99
8) 1-Methylnaphthalene	12.651	142	2429	0.039	ng/ul	99
10) Acenaphthylene	14.325	152	4900	0.053	ng/ul#	89
11) Acenaphthene	14.667	153	2283	0.030	ng/ul	95
12) Fluorene	15.648	166	1772	0.020	ng/ul#	93
15) Phenanthrene	17.393	178	51524	0.377	ng/ul	100
16) Anthracene	17.482	178	9135	0.075	ng/ul#	91
19) Fluoranthene	19.405	202	132797	1.092	ng/ul	97
20) Pyrene	19.772	202	110372m	0.873	ng/ul	
21) Benzo(a)anthracene	21.523	228	56445	0.601	ng/ul#	93
22) Chrysene	21.576	228	70099	0.717	ng/ul#	93
24) Benzo(b)fluoranthene	23.248	252	100130m	1.035	ng/ul	
25) Benzo(k)fluoranthene	23.291	252	36506m	0.376	ng/ul	
26) Benzo(a)pyrene	23.885	252	64685	0.770	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.561	276	55034	0.600	ng/ul#	44
28) Dibenzo(a,h)anthracene	26.571	278	14106	0.203	ng/ul#	67
29) Benzo(g,h,i)perylene	27.359	276	62389	0.764	ng/ul	97

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

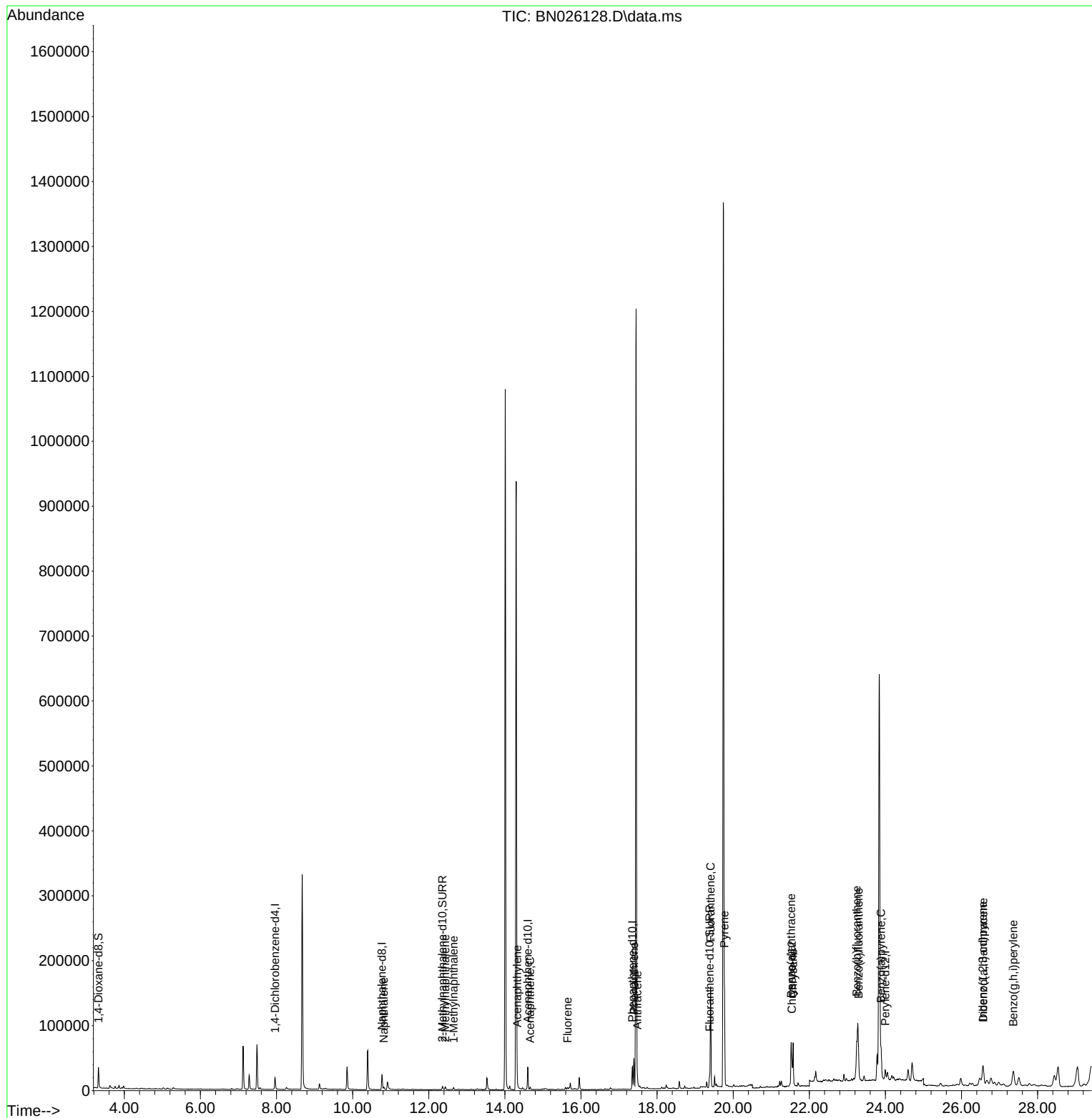
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070123\
Data File : BN026128.D
Acq On : 30 Jun 2023 13:19
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ALS Vial : 10 Sample Multiplier: 1

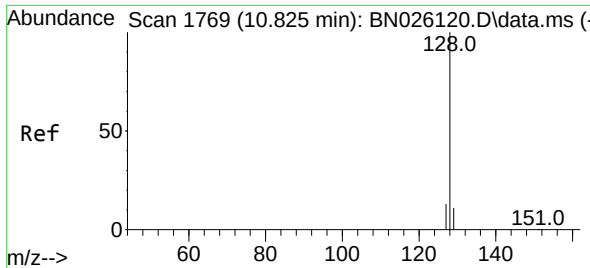
Instrument :
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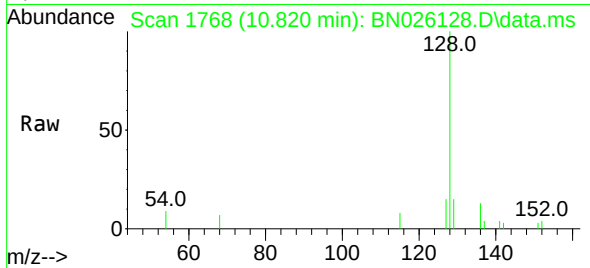
Quant Time: Jul 01 00:55:19 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 22:47:20 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.055 ng/ul
RT: 10.820 min Scan# 1769
Delta R.T. -0.016 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

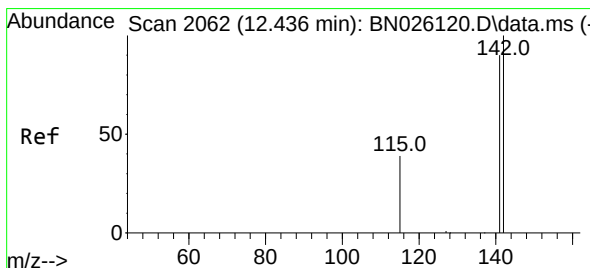
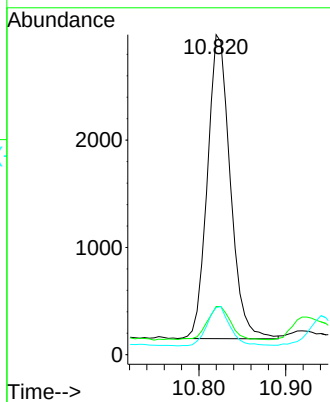
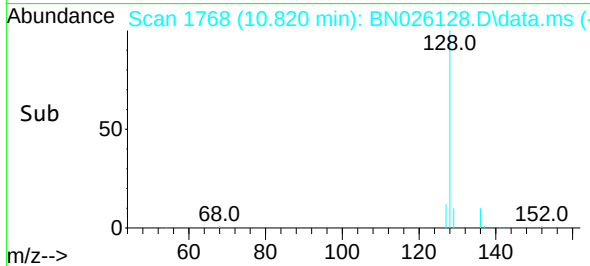
Instrument :
BNA_N
ClientSampleId :
DCFZ5



Tgt Ion:128 Resp: 5185
Ion Ratio Lower Upper
128 100
129 15.0 9.1 13.7
127 14.7 10.7 16.1

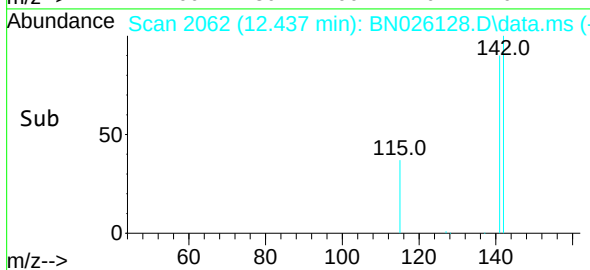
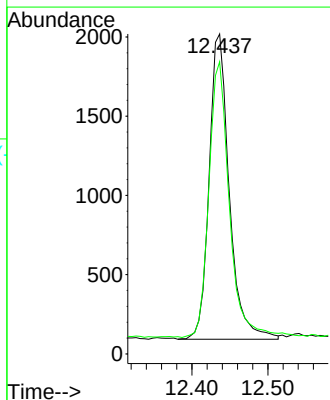
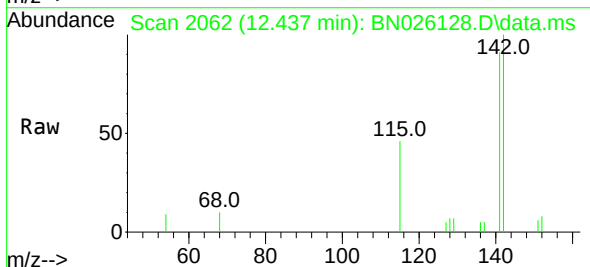
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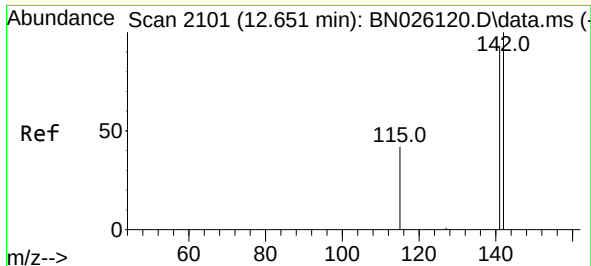
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#7
2-Methylnaphthalene
Concen: 0.059 ng/ul
RT: 12.437 min Scan# 2062
Delta R.T. -0.011 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

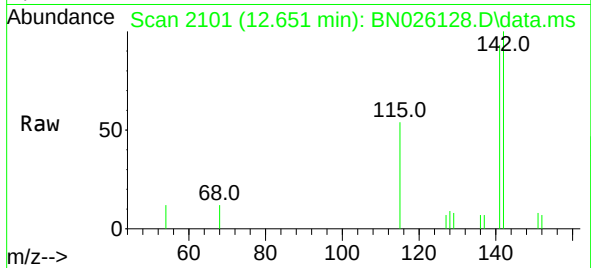
Tgt Ion:142 Resp: 3552
Ion Ratio Lower Upper
142 100
141 91.2 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.039 ng/u1
RT: 12.651 min Scan# 2101
Delta R.T. -0.011 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

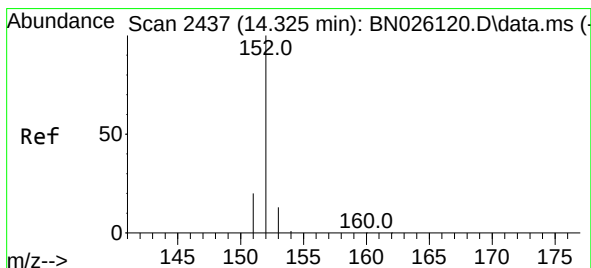
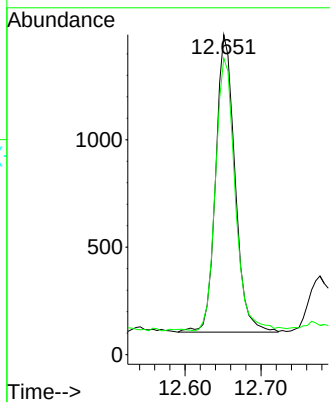
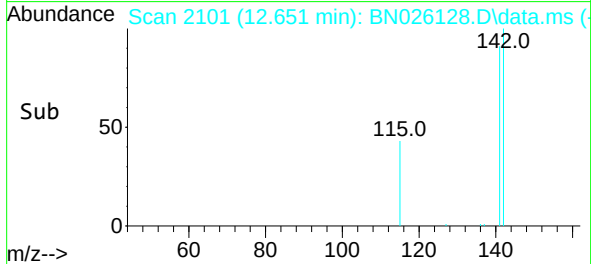
Instrument :
BNA_N
ClientSampleId :
DCFZ5



Tgt Ion:142 Resp: 2429
Ion Ratio Lower Upper
142 100
141 93.8 74.2 111.4

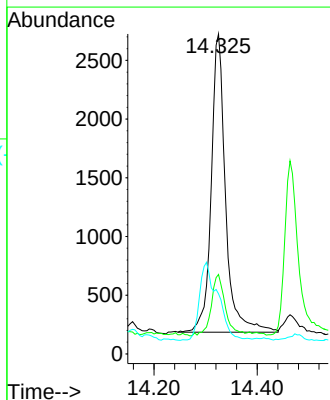
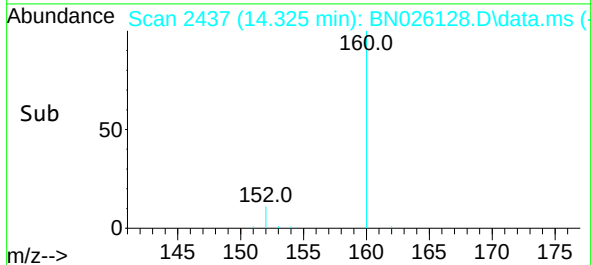
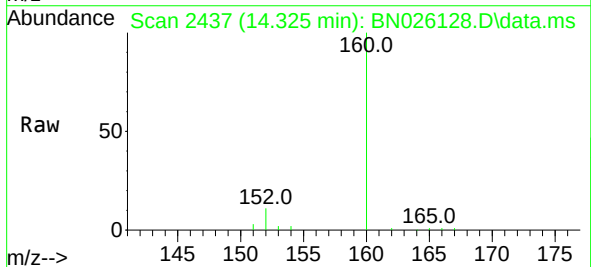
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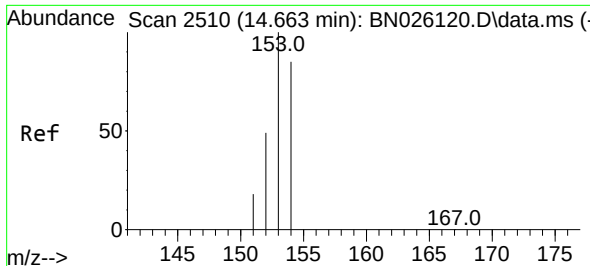
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#10
Acenaphthylene
Concen: 0.053 ng/u1
RT: 14.325 min Scan# 2437
Delta R.T. -0.004 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

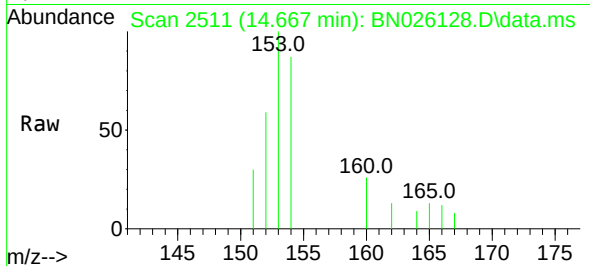
Tgt Ion:152 Resp: 4900
Ion Ratio Lower Upper
152 100
151 24.8 16.2 24.4#
153 18.8 10.9 16.3#





#11
Acenaphthene
Concen: 0.030 ng/u1
RT: 14.667 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

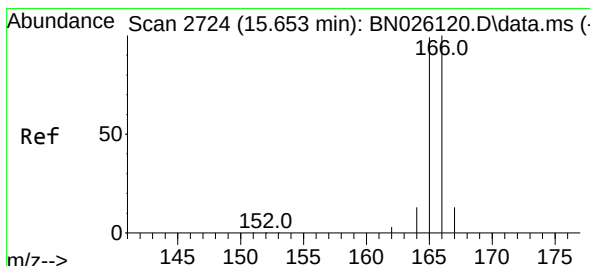
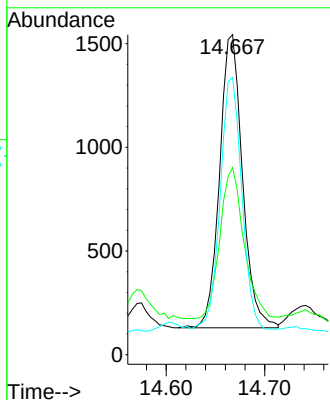
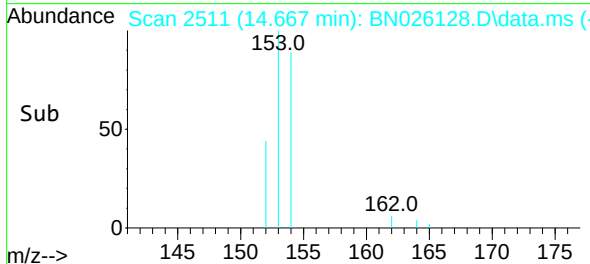
Instrument :
BNA_N
ClientSampleId :
DCFZ5



Tgt Ion:153 Resp: 228
Ion Ratio Lower Upper
153 100
152 58.5 39.4 59.0
154 86.6 68.9 103.3

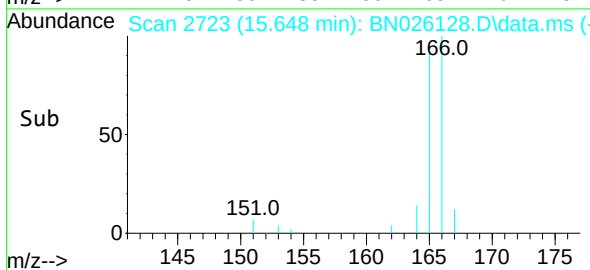
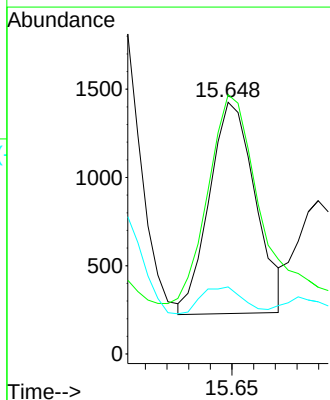
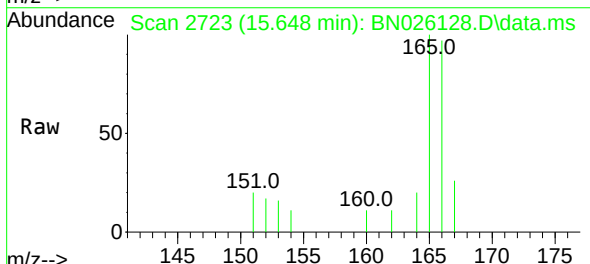
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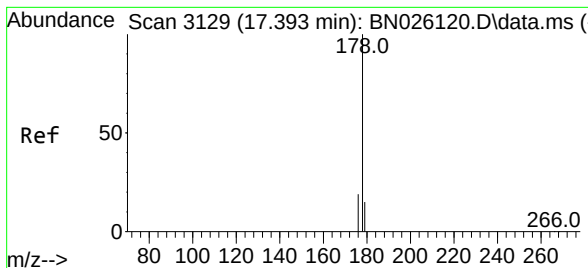
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#12
Fluorene
Concen: 0.020 ng/u1
RT: 15.648 min Scan# 2723
Delta R.T. -0.014 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

Tgt Ion:166 Resp: 1772
Ion Ratio Lower Upper
166 100
165 103.0 79.9 119.9
167 26.6 10.8 16.2#





#15

Phenanthrene

Concen: 0.377 ng/ul

RT: 17.393 min Scan# 3129

Delta R.T. -0.008 min

Lab File: BN026128.D

Acq: 30 Jun 2023 13:19

Instrument :

BNA_N

ClientSampleId :

DCFZ5

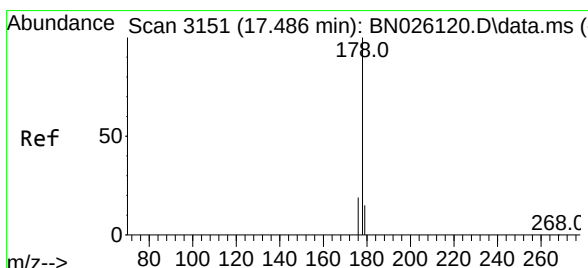
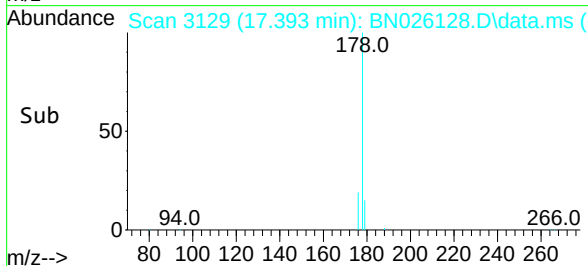
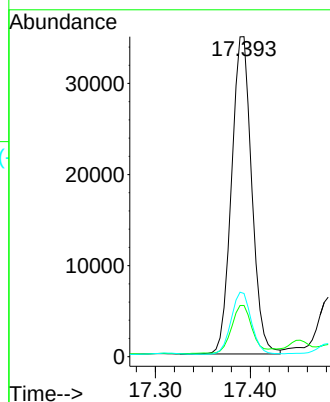
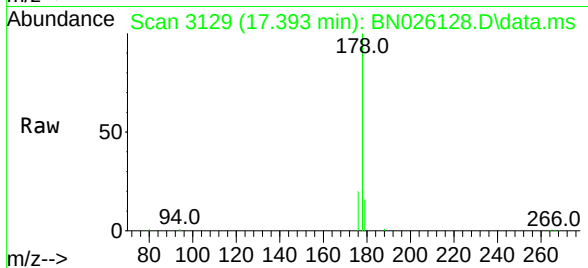
Tgt Ion:178	Resp:	51524
Ion Ratio	Lower	Upper
178	100	
179	16.0	12.6 19.0
176	19.8	15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/01/2023

Supervised By :mohammad ahmed 07/01/2023



#16

Anthracene

Concen: 0.075 ng/ul

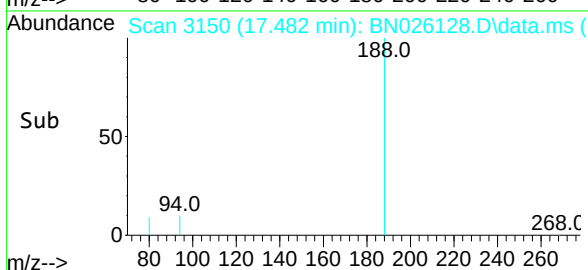
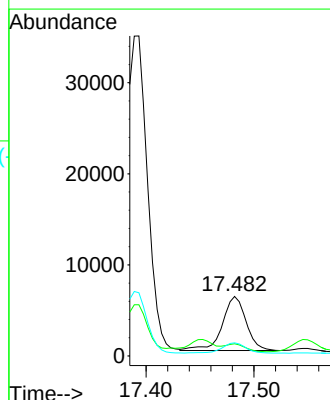
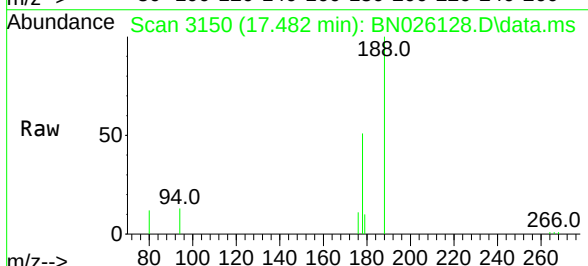
RT: 17.482 min Scan# 3150

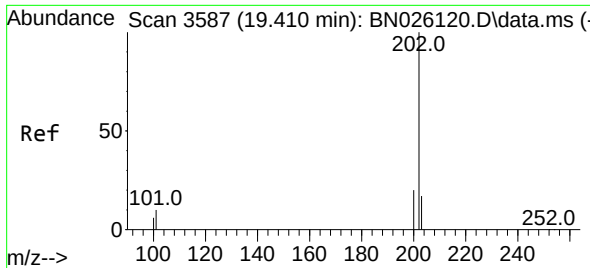
Delta R.T. -0.012 min

Lab File: BN026128.D

Acq: 30 Jun 2023 13:19

Tgt Ion:178	Resp:	9135
Ion Ratio	Lower	Upper
178	100	
179	20.4	12.6 18.8#
176	22.0	15.1 22.7





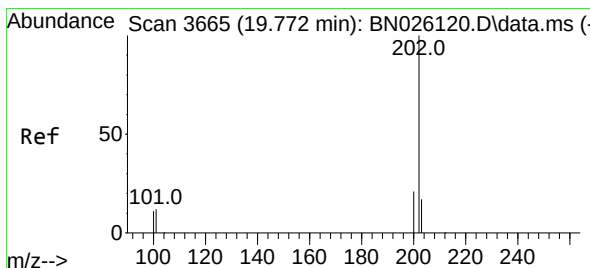
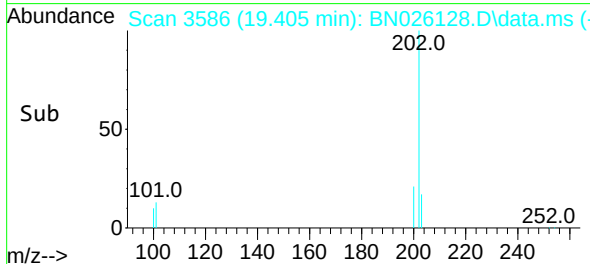
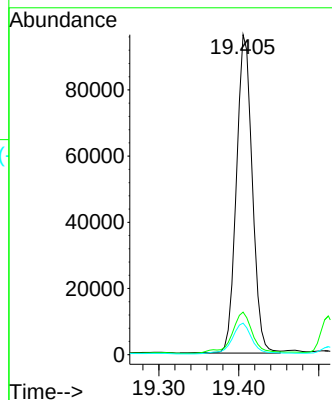
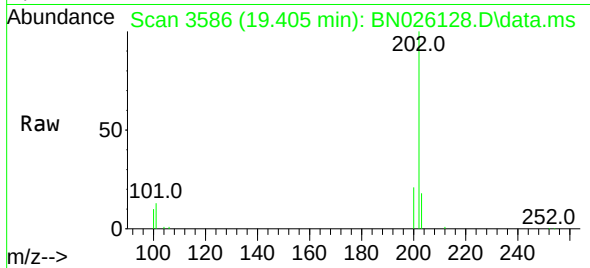
#19
Fluoranthene
Concen: 1.092 ng/ul
RT: 19.405 min Scan# 3586
Delta R.T. -0.009 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

Instrument :
BNA_N
ClientSampleId :
DCFZ5

Tgt Ion:202 Resp: 13279
Ion Ratio Lower Upper
202 100
101 13.3 9.5 14.3
100 9.9 7.3 10.9

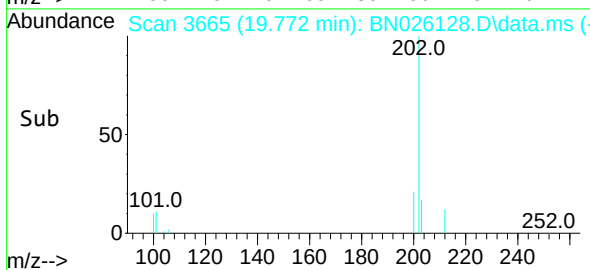
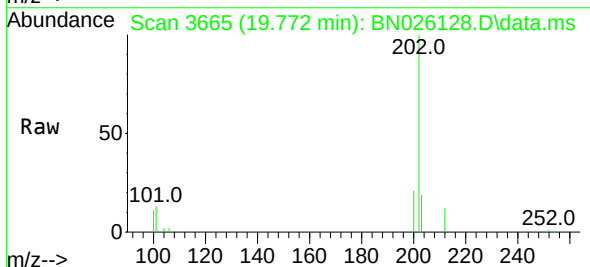
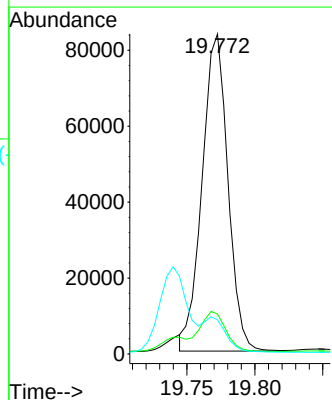
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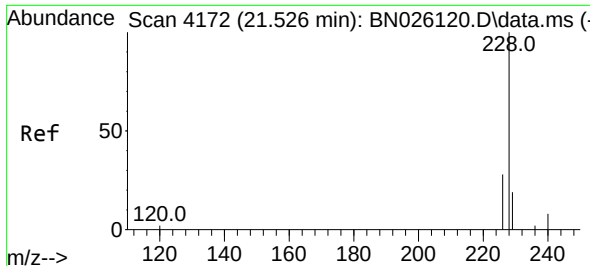
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#20
Pyrene
Concen: 0.873 ng/ul m
RT: 19.772 min Scan# 3665
Delta R.T. -0.004 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

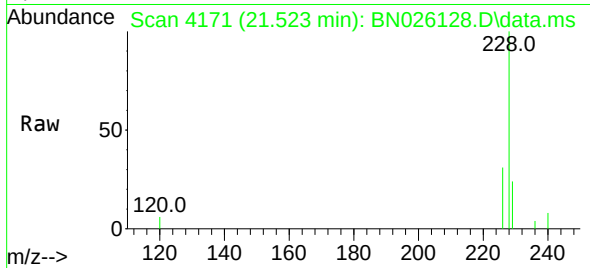
Tgt Ion:202 Resp: 110372
Ion Ratio Lower Upper
202 100
101 12.5 11.4 17.0
100 10.7 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.601 ng/u1
RT: 21.523 min Scan# 4171
Delta R.T. -0.006 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

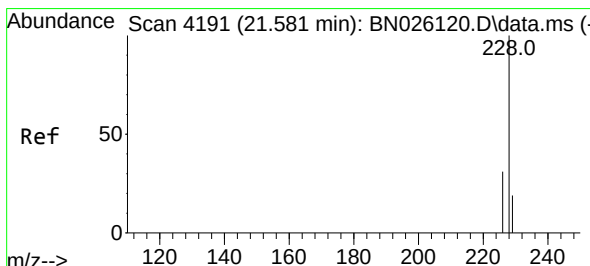
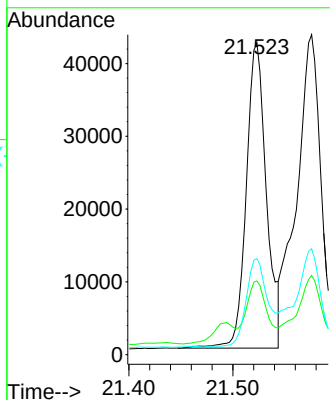
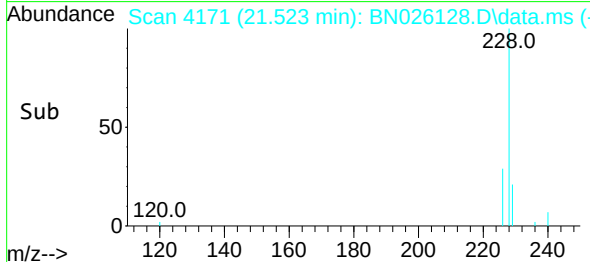
Instrument :
BNA_N
ClientSampleId :
DCFZ5



Tgt Ion:228 Resp: 56449
Ion Ratio Lower Upper
228 100
229 23.7 15.8 23.6
226 30.8 22.5 33.7

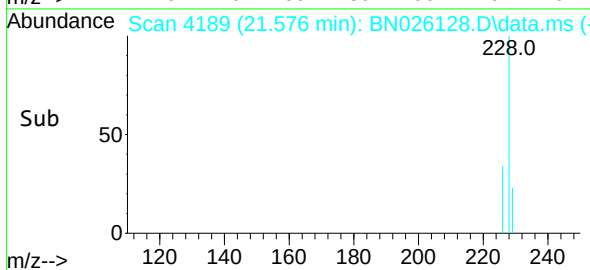
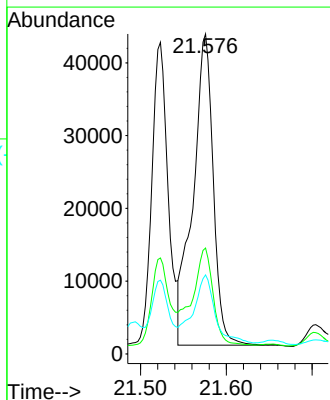
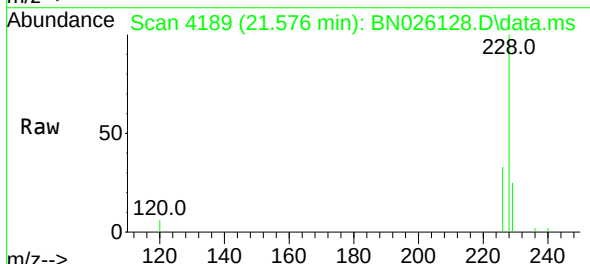
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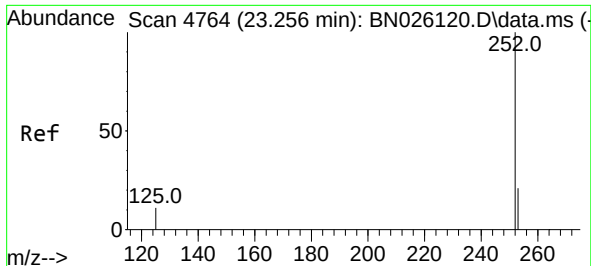
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#22
Chrysene
Concen: 0.717 ng/u1
RT: 21.576 min Scan# 4189
Delta R.T. -0.003 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

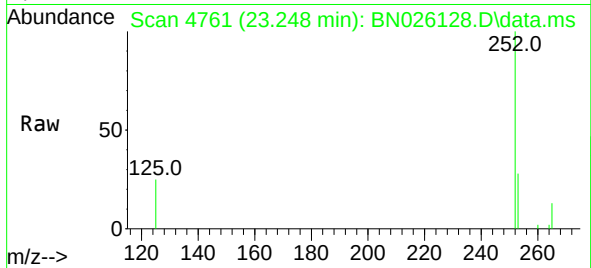
Tgt Ion:228 Resp: 70099
Ion Ratio Lower Upper
228 100
226 33.1 24.8 37.2
229 24.7 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 1.035 ng/ul m
RT: 23.248 min Scan# 4761
Delta R.T. -0.006 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

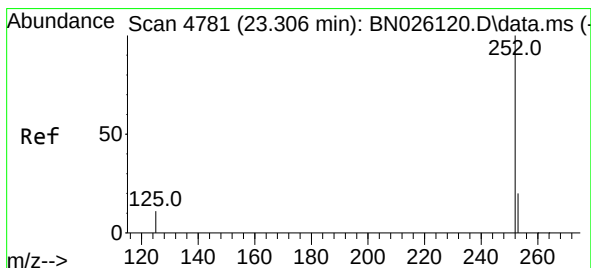
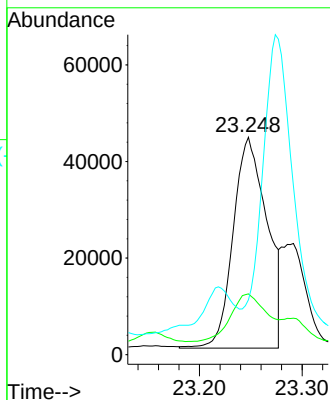
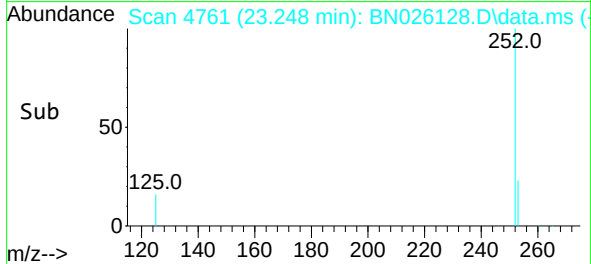
Instrument :
BNA_N
ClientSampleId :
DCFZ5



Tgt Ion:252 Resp: 100130
Ion Ratio Lower Upper
252 100
253 27.9 0.0 55.6
125 25.2 0.0 35.8

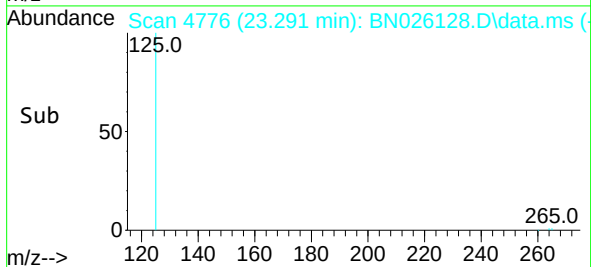
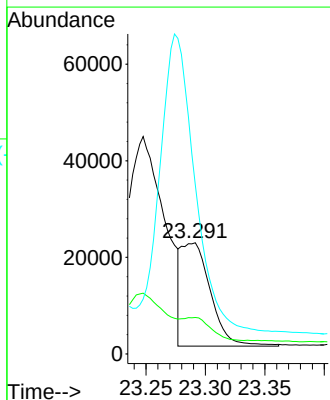
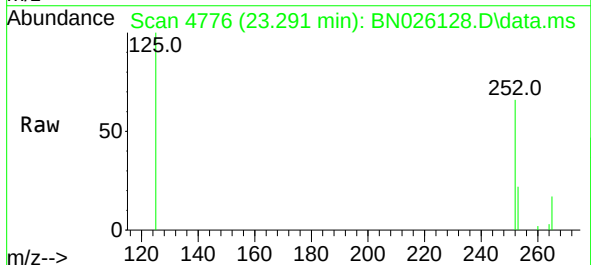
Manual Integrations
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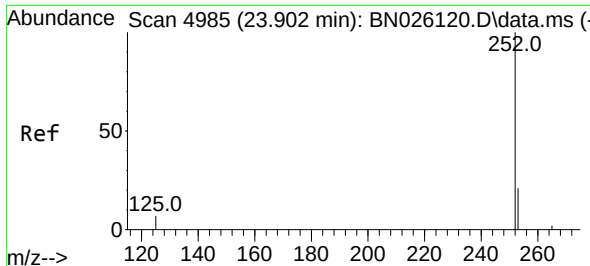
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#25
Benzo(k)fluoranthene
Concen: 0.376 ng/ul m
RT: 23.291 min Scan# 4776
Delta R.T. -0.012 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

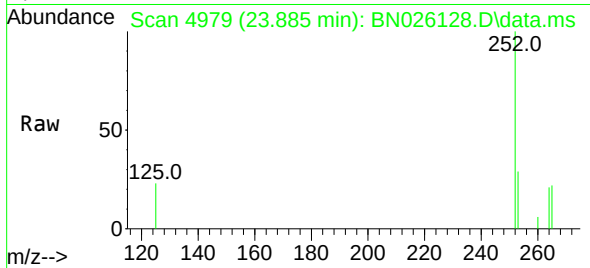
Tgt Ion:252 Resp: 36506
Ion Ratio Lower Upper
252 100
253 32.9 23.2 34.8
125 151.9 15.0 22.4#





#26
Benzo(a)pyrene
Concen: 0.770 ng/ul
RT: 23.885 min Scan# 4985
Delta R.T. -0.020 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

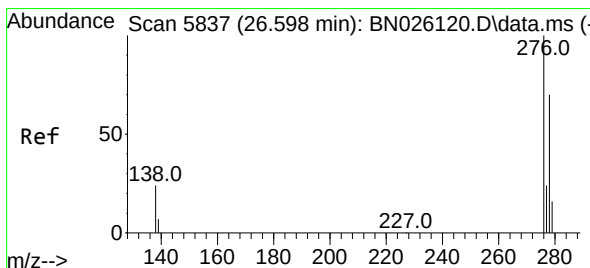
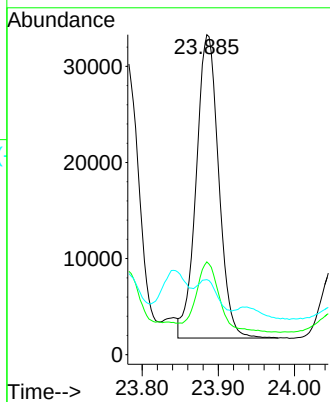
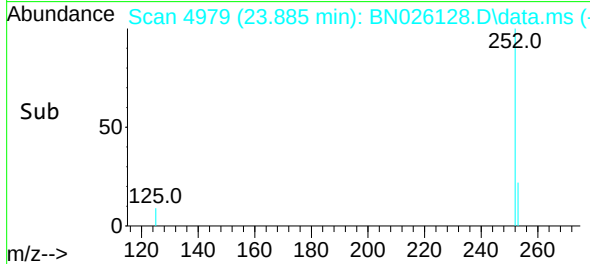
Instrument :
BNA_N
ClientSampleId :
DCFZ5



Tgt Ion:252 Resp: 64685
Ion Ratio Lower Upper
252 100
253 29.0 26.0 39.0
125 23.5 17.3 25.9

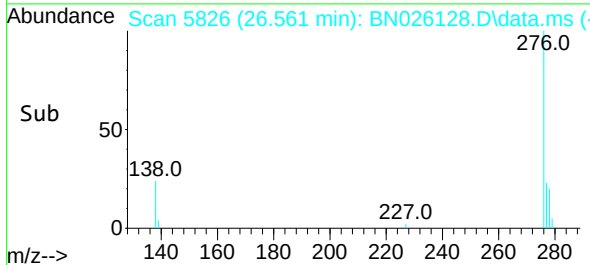
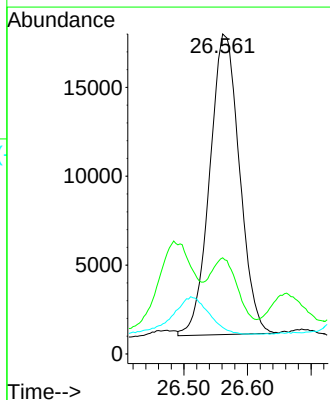
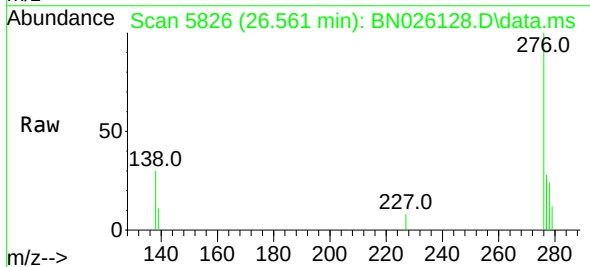
Manual Integrations
APPROVED

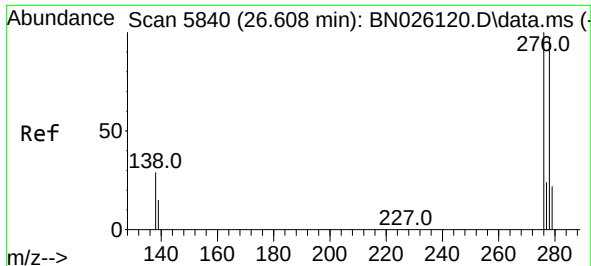
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.600 ng/ul
RT: 26.561 min Scan# 5826
Delta R.T. -0.033 min
Lab File: BN026128.D
Acq: 30 Jun 2023 13:19

Tgt Ion:276 Resp: 55034
Ion Ratio Lower Upper
276 100
138 0.0 24.5 36.7#
227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.203 ng/ul

RT: 26.571 min Scan# 5829

Delta R.T. -0.043 min

Lab File: BN026128.D

Acq: 30 Jun 2023 13:19

Instrument :

BNA_N

ClientSampleId :

DCFZ5

Tgt Ion:278 Resp: 14100

Ion Ratio Lower Upper

278 100

139 44.6 19.0 28.4

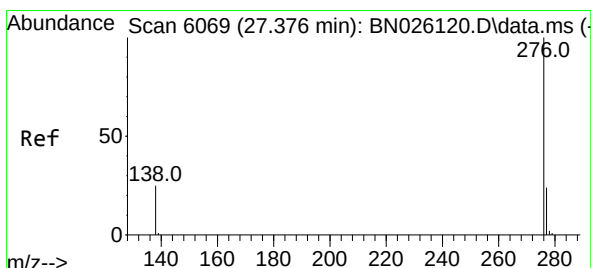
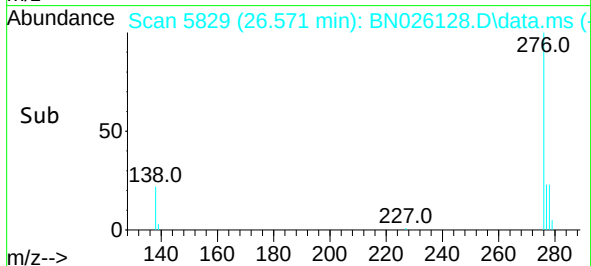
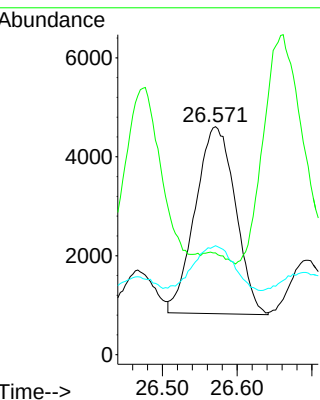
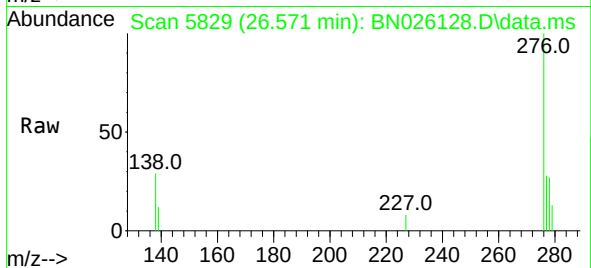
279 47.8 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/01/2023

Supervised By :mohammad ahmed 07/01/2023



#29

Benzo(g,h,i)perylene

Concen: 0.764 ng/ul

RT: 27.359 min Scan# 6064

Delta R.T. -0.027 min

Lab File: BN026128.D

Acq: 30 Jun 2023 13:19

Tgt Ion:276 Resp: 62389

Ion Ratio Lower Upper

276 100

138 29.9 23.4 35.0

277 27.6 20.0 30.0

