

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071823\
 Data File : BN026564.D
 Acq On : 18 Jul 2023 14:53
 Operator : MA/JU
 Sample : 03458-06RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A46L9RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 19 00:16:56 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 19 00:15:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	371	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.748	136	834	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.579	164	419	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	17.334	188	796	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.538	240	698	0.400	ng/ul	# 0.00
23) Perylene-d12	23.967	264	923	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.318	96	1540m	3.152	ng/ul	0.03
6) 2-Methylnaphthalene-d10	12.370	152	189	0.167	ng/ul	0.03
18) Fluoranthene-d10	19.363	212	446	0.184	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.798	128	745	0.325	ng/ul#	67
7) 2-Methylnaphthalene	12.431	142	50	0.038	ng/ul#	25
8) 1-Methylnaphthalene	12.634	142	45	0.032	ng/ul	89
10) Acenaphthylene	14.302	152	124	0.060	ng/ul#	1
11) Acenaphthene	14.640	153	60	0.038	ng/ul#	78
12) Fluorene	15.625	166	57	0.035	ng/ul#	63
14) Pentachlorophenol	17.013	266	11	0.055	ng/ul#	34
15) Phenanthrene	17.376	178	772	0.305	ng/ul#	74
16) Anthracene	17.469	178	153	0.070	ng/ul#	24
19) Fluoranthene	19.396	202	1743	0.533	ng/ul#	89
20) Pyrene	19.754	202	2140	0.602	ng/ul#	87
21) Benzo(a)anthracene	21.520	228	1005	0.392	ng/ul#	73
22) Chrysene	21.576	228	847	0.290	ng/ul#	74
24) Benzo(b)fluoranthene	23.236	252	1202m	0.334	ng/ul	
25) Benzo(k)fluoranthene	23.274	252	503m	0.133	ng/ul	
26) Benzo(a)pyrene	23.856	252	421	0.132	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.517	276	491	0.117	ng/ul#	65
28) Dibenzo(a,h)anthracene	26.517	278	182	0.057	ng/ul#	1

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

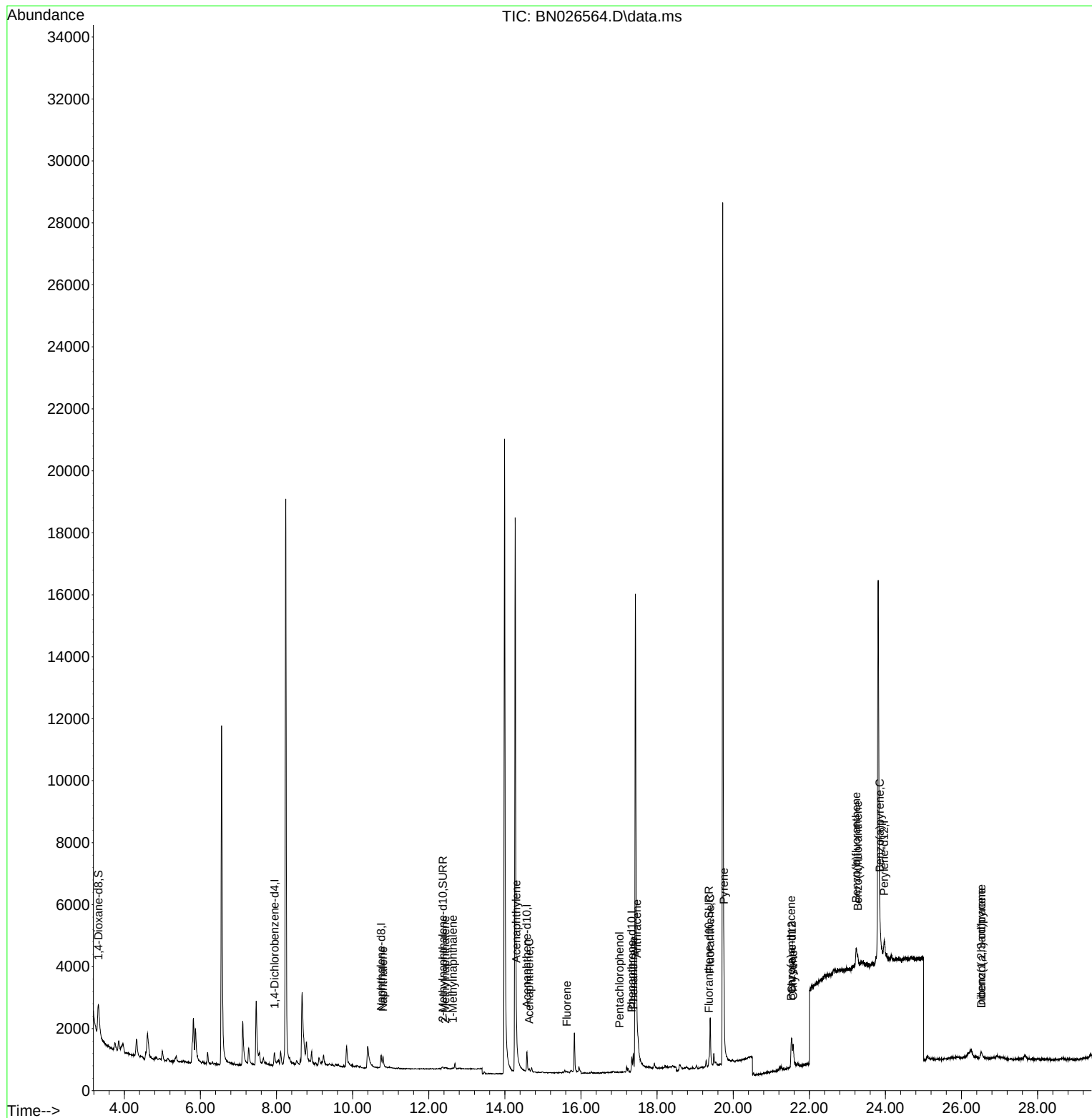
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071823\
Data File : BN026564.D
Acq On : 18 Jul 2023 14:53
Operator : MA/JU
Sample : 03458-06RE
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ALS Vial : 6 Sample Multiplier: 1

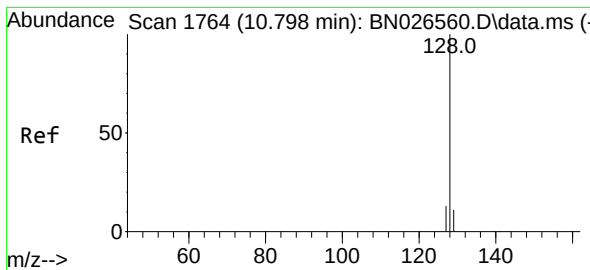
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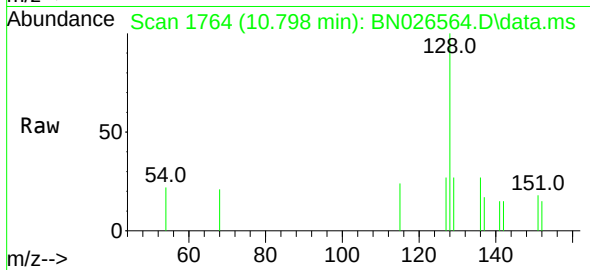
Quant Time: Jul 19 00:16:56 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 19 00:15:47 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.325 ng/ul
RT: 10.798 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53

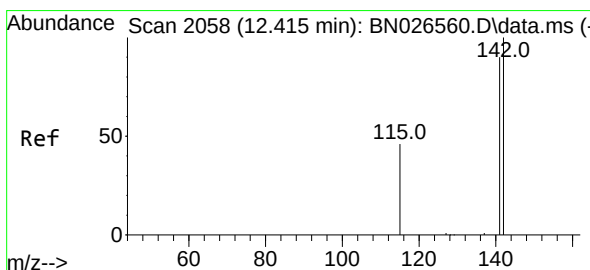
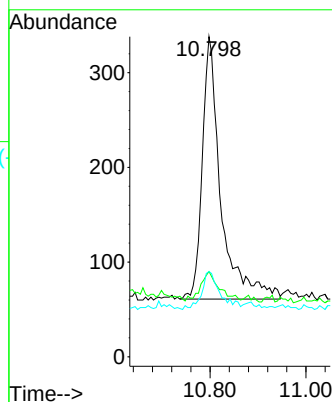
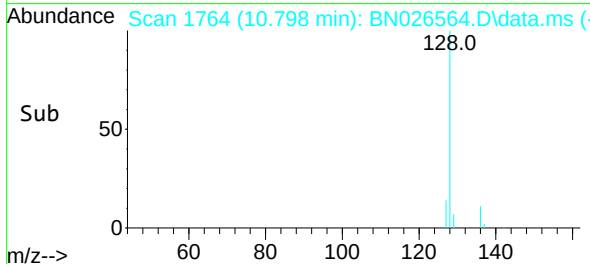
Instrument :
BNA_N
ClientSampleId :
A46L9RE



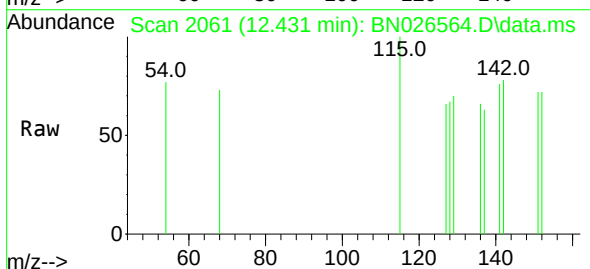
Tgt Ion:128 Resp: 749
Ion Ratio Lower Upper
128 100
129 26.6 10.2 15.2
127 26.6 11.4 17.0

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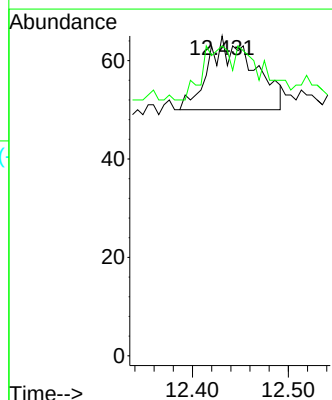
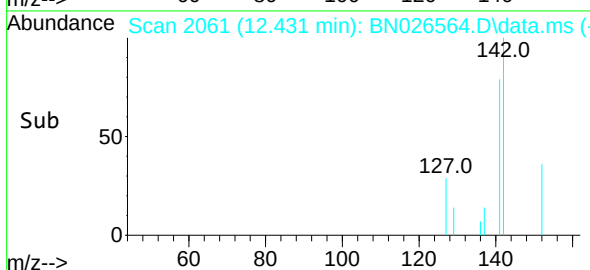
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

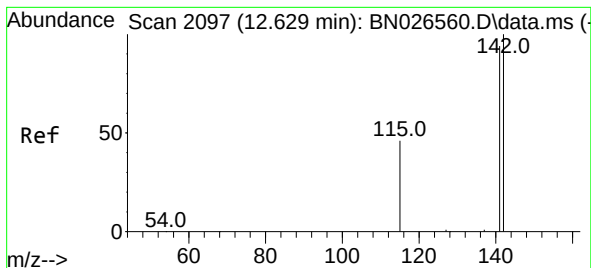


#7
2-Methylnaphthalene
Concen: 0.038 ng/ul
RT: 12.431 min Scan# 2061
Delta R.T. 0.016 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53



Tgt Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
141 20.0 72.3 108.5





#8

1-Methylnaphthalene

Concen: 0.032 ng/ul

RT: 12.634 min Scan# 2097

Delta R.T. 0.005 min

Lab File: BN026564.D

Acq: 18 Jul 2023 14:53

Instrument :

BNA_N

ClientSampleId :

A46L9RE

Tgt Ion:142 Resp: 45

Ion Ratio Lower Upper

142 100

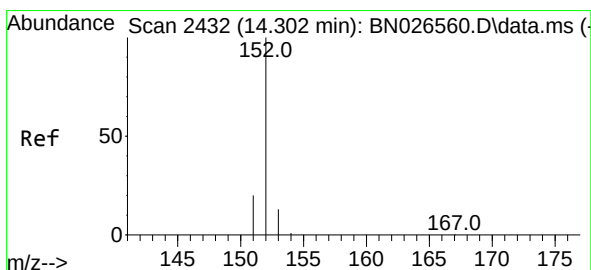
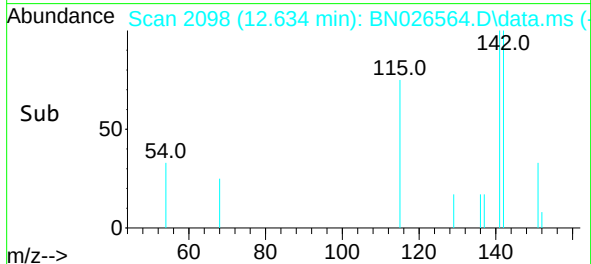
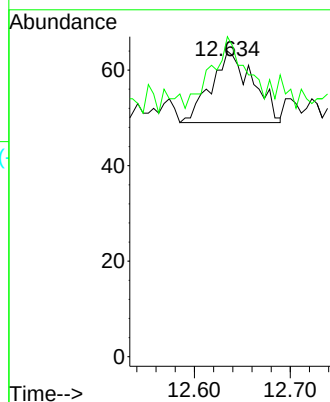
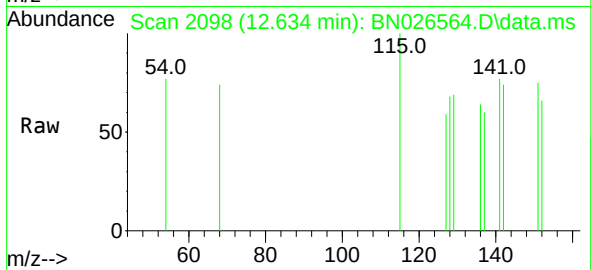
141 82.2 74.5 111.7

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#10

Acenaphthylene

Concen: 0.060 ng/ul

RT: 14.302 min Scan# 2432

Delta R.T. -0.000 min

Lab File: BN026564.D

Acq: 18 Jul 2023 14:53

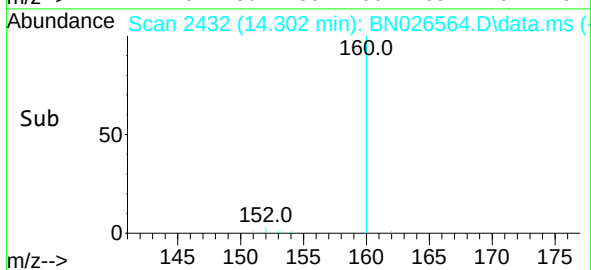
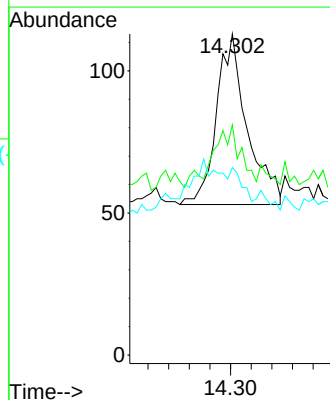
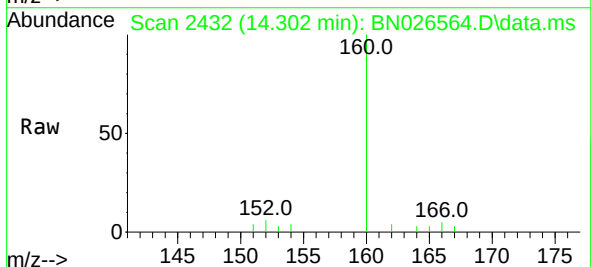
Tgt Ion:152 Resp: 124

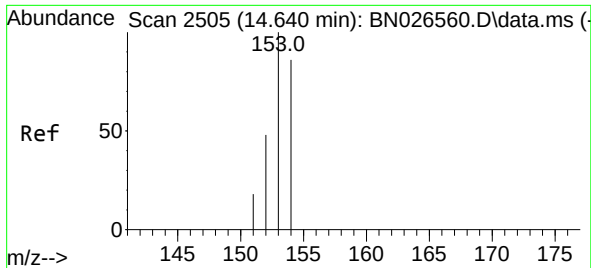
Ion Ratio Lower Upper

152 100

151 71.7 17.0 25.6#

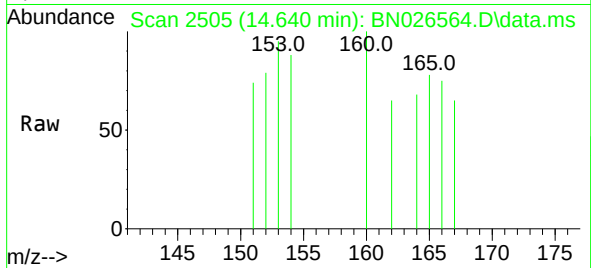
153 58.4 11.4 17.2#





#11
Acenaphthene
Concen: 0.038 ng/u1
RT: 14.640 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53

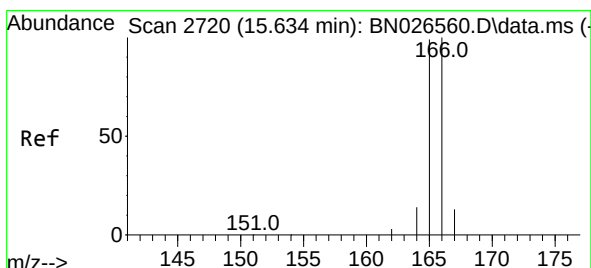
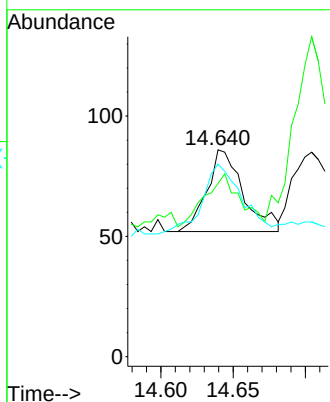
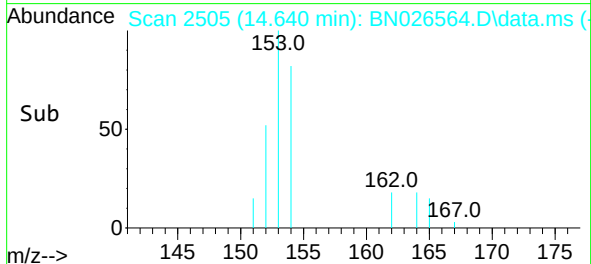
Instrument :
BNA_N
ClientSampleId :
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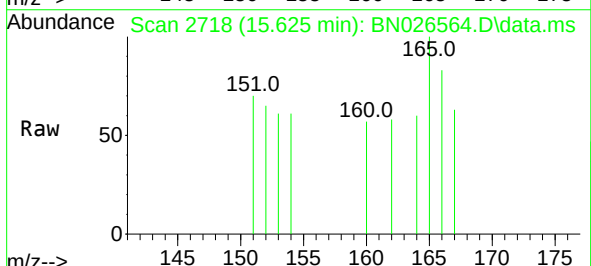
Tgt Ion:153 Resp: 60
Ion Ratio Lower Upper
153 100
152 83.7 40.2 60.4
154 93.0 69.3 103.9

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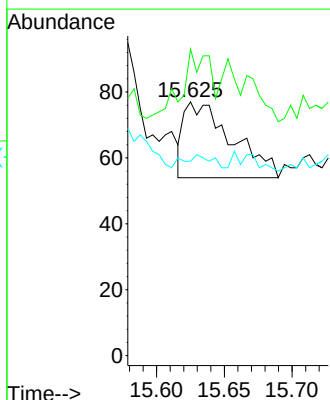
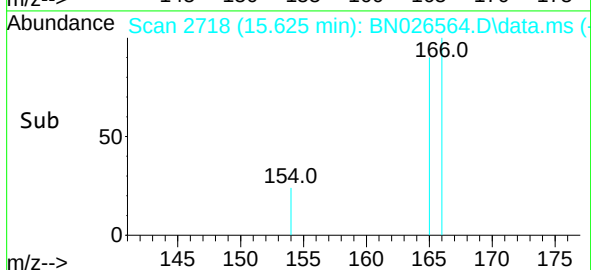
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

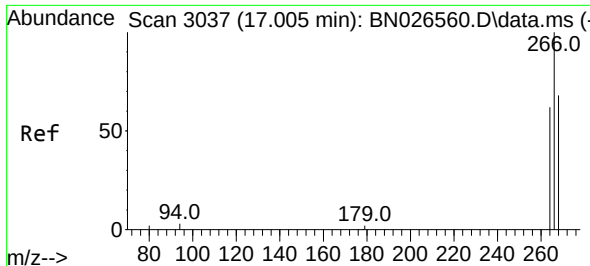


#12
Fluorene
Concen: 0.035 ng/u1
RT: 15.625 min Scan# 2718
Delta R.T. -0.009 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53



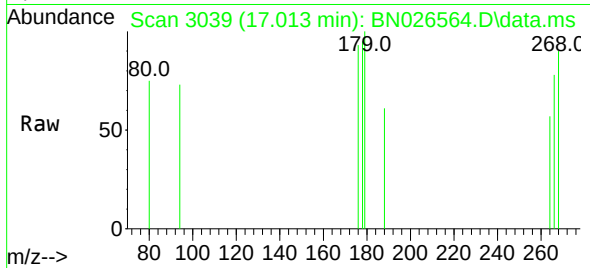
Tgt Ion:166 Resp: 57
Ion Ratio Lower Upper
166 100
165 120.8 80.6 120.8
167 76.6 12.0 18.0





#14
 Pentachlorophenol
 Concen: 0.055 ng/u1
 RT: 17.013 min Scan# 3037
 Delta R.T. 0.008 min
 Lab File: BN026564.D
 Acq: 18 Jul 2023 14:53

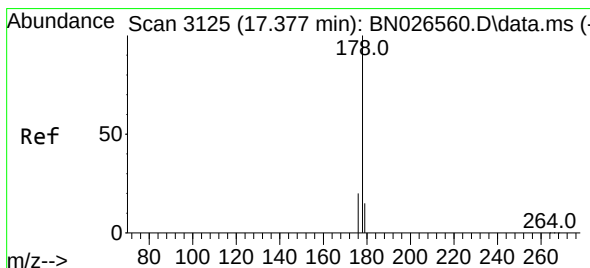
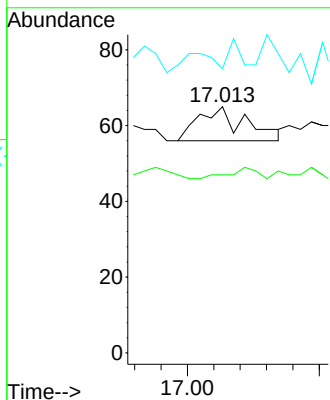
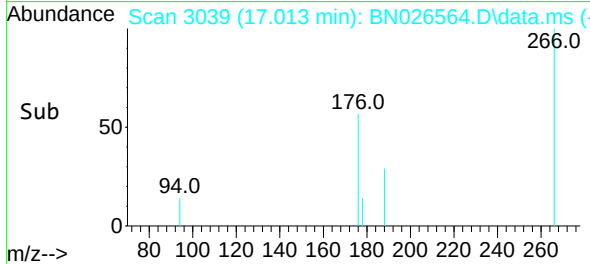
Instrument :
 BNA_N
 ClientSampleId :
 A46L9RE



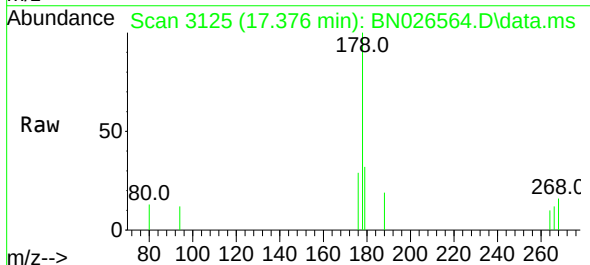
Tgt Ion:266 Resp: 100
 Ion Ratio Lower Upper
 266 100
 264 0.0 52.0 78.0#
 268 27.3 53.0 79.6#

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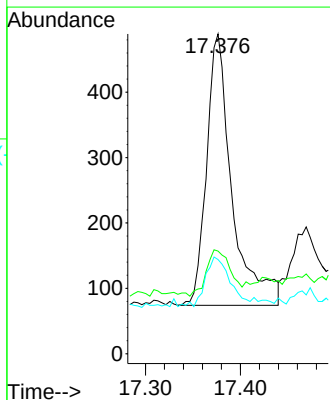
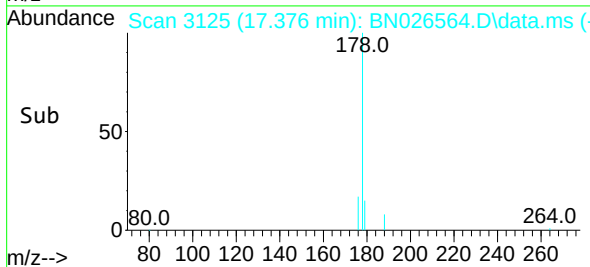
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

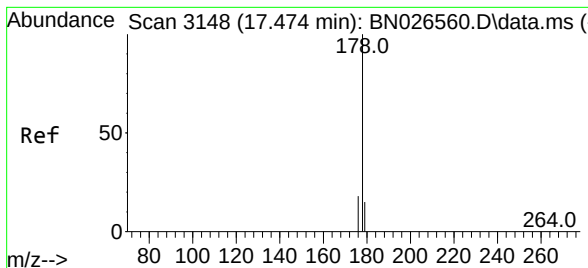


#15
 Phenanthrene
 Concen: 0.305 ng/u1
 RT: 17.376 min Scan# 3125
 Delta R.T. -0.000 min
 Lab File: BN026564.D
 Acq: 18 Jul 2023 14:53



Tgt Ion:178 Resp: 772
 Ion Ratio Lower Upper
 178 100
 179 32.1 13.7 20.5#
 176 29.4 16.5 24.7#





#16

Anthracene

Concen: 0.070 ng/ul

RT: 17.469 min Scan# 3147

Delta R.T. -0.004 min

Lab File: BN026564.D

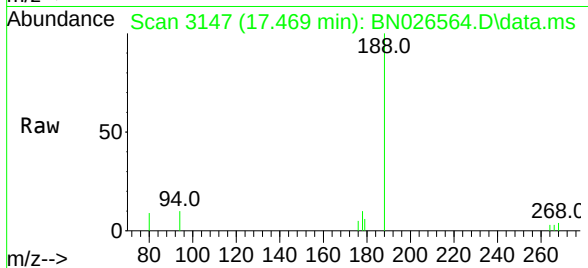
Acq: 18 Jul 2023 14:53

Instrument :

BNA_N

ClientSampleId :

A46L9RE



Tgt Ion:178 Resp: 153

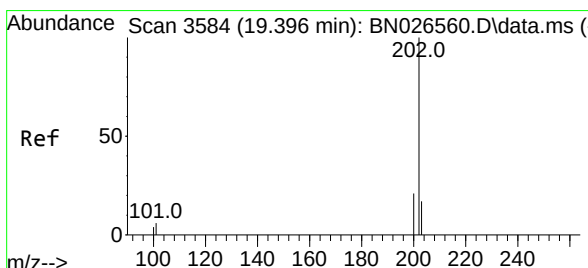
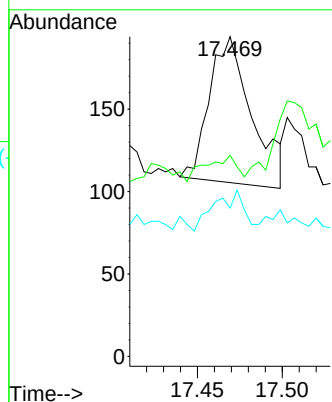
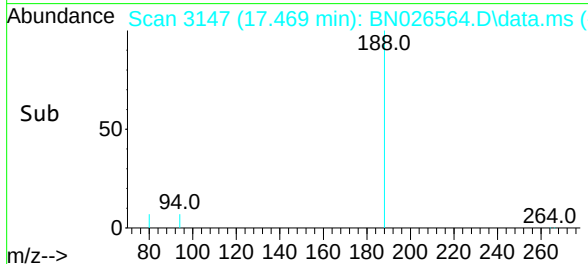
Ion	Ratio	Lower	Upper
178	100		
179	62.9	14.8	22.2
176	46.4	16.6	25.0

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Supervised By :mohammad ahmed 07/19/2023



#19

Fluoranthene

Concen: 0.533 ng/ul

RT: 19.396 min Scan# 3584

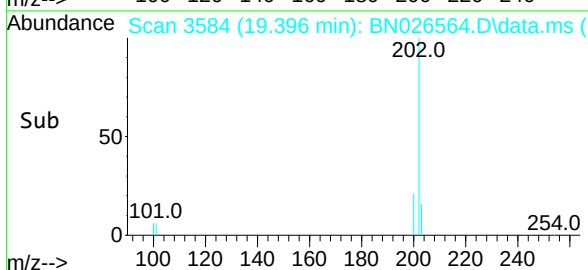
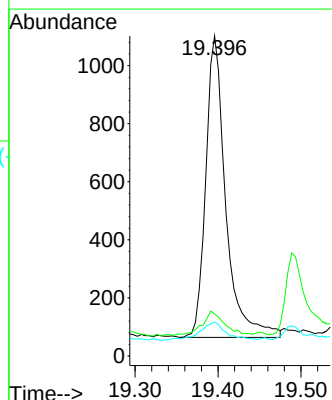
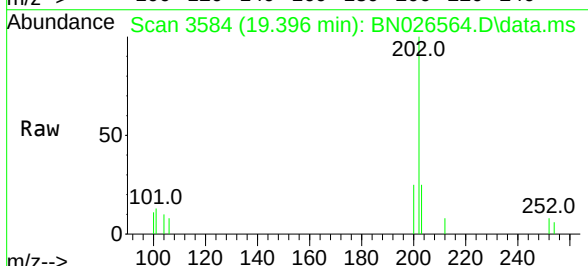
Delta R.T. -0.000 min

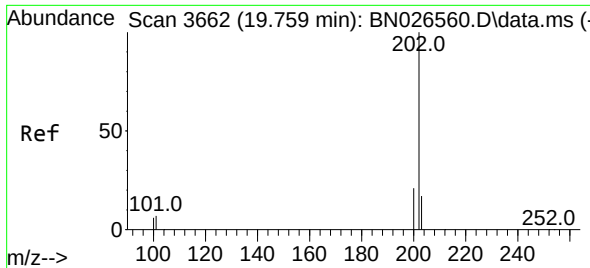
Lab File: BN026564.D

Acq: 18 Jul 2023 14:53

Tgt Ion:202 Resp: 1743

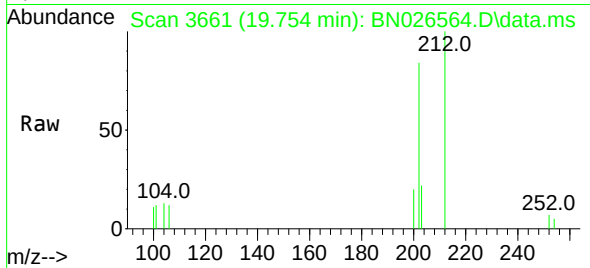
Ion	Ratio	Lower	Upper
202	100		
101	13.2	7.0	10.4
100	10.6	6.0	9.0





#20
Pyrene
Concen: 0.602 ng/ul
RT: 19.754 min Scan# 3661
Delta R.T. -0.005 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53

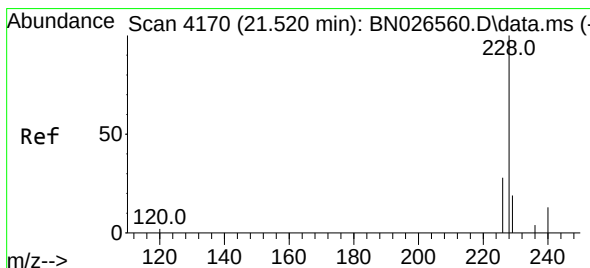
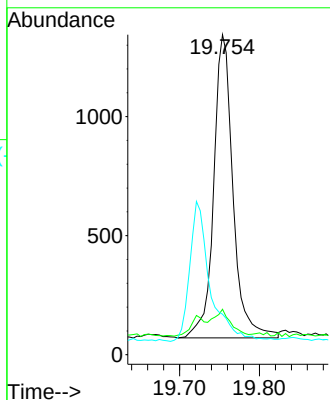
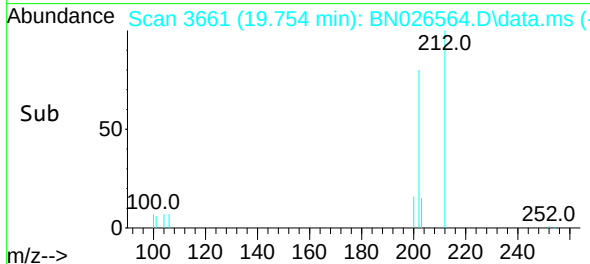
Instrument :
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Tgt Ion:202 Resp: 2140
Ion Ratio Lower Upper
202 100
101 14.2 8.0 12.0#
100 12.6 6.2 9.2#

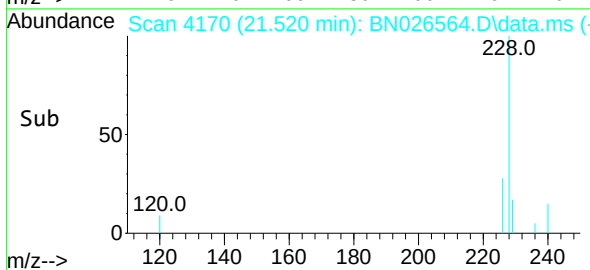
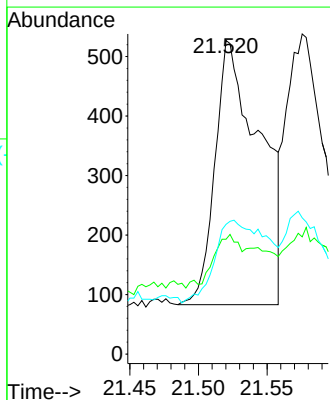
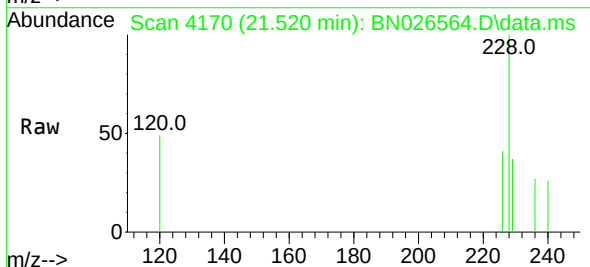
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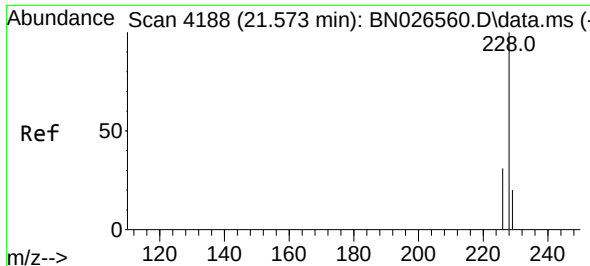
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#21
Benzo(a)anthracene
Concen: 0.392 ng/ul
RT: 21.520 min Scan# 4170
Delta R.T. -0.000 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53

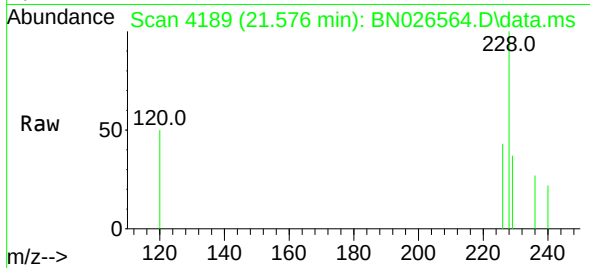
Tgt Ion:228 Resp: 1005
Ion Ratio Lower Upper
228 100
229 36.6 16.7 25.1#
226 41.4 23.5 35.3#





#22
Chrysene
Concen: 0.290 ng/ul
RT: 21.576 min Scan# 4188
Delta R.T. 0.003 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53

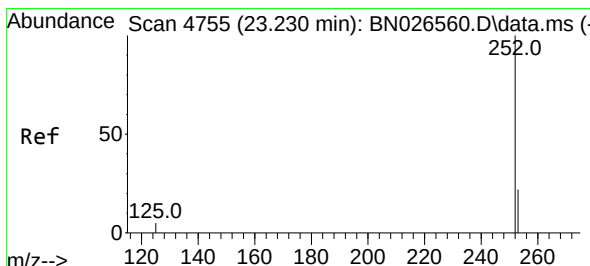
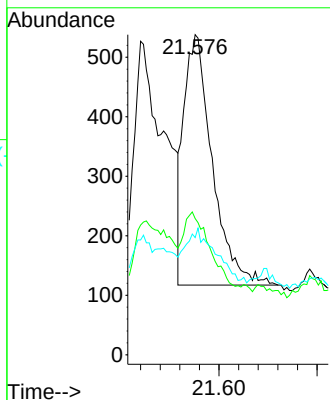
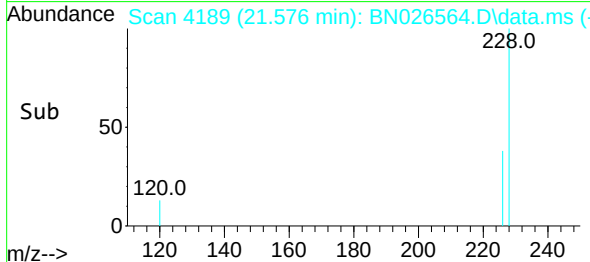
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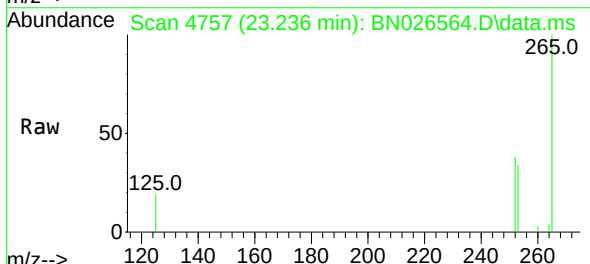
Tgt Ion:228 Resp: 845
Ion Ratio Lower Upper
228 100
226 42.6 25.2 37.8#
229 36.6 16.4 24.6#

Manual Integrations
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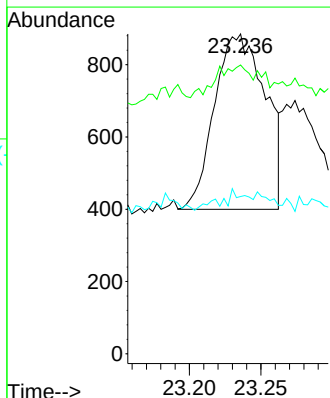
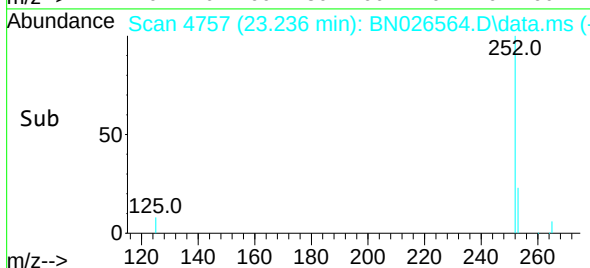
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

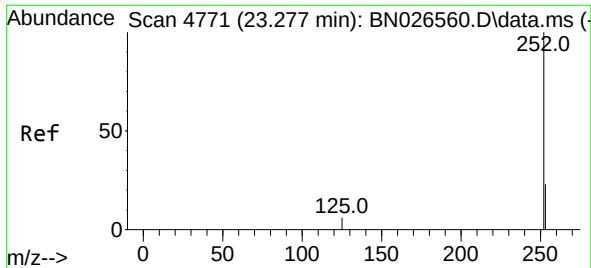


#24
Benzo(b)fluoranthene
Concen: 0.334 ng/ul m
RT: 23.236 min Scan# 4757
Delta R.T. 0.006 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53



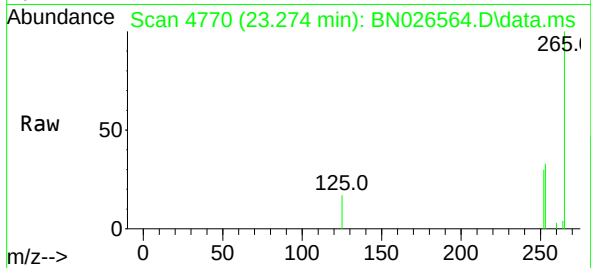
Tgt Ion:252 Resp: 1202
Ion Ratio Lower Upper
252 100
253 90.3 0.0 68.6#
125 49.2 0.0 34.0#





#25
Benzo(k)fluoranthene
Concen: 0.133 ng/ul m
RT: 23.274 min Scan# 41
Delta R.T. -0.003 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53

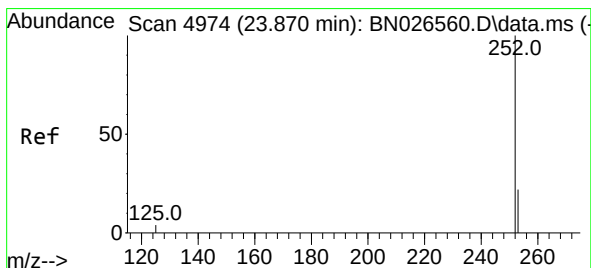
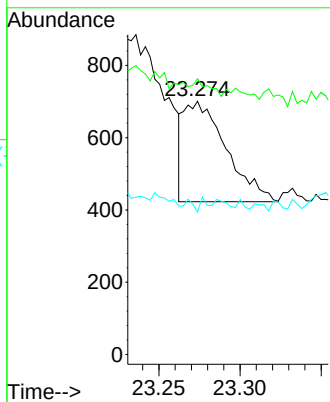
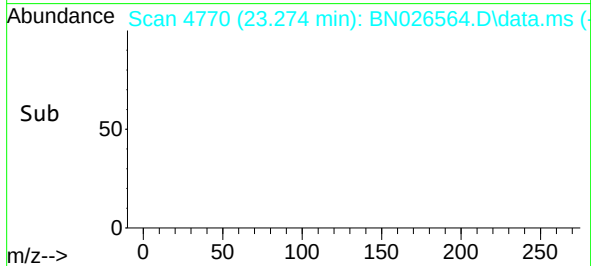
Instrument :
BNA_N
ClientSampleId :
A46L9RE



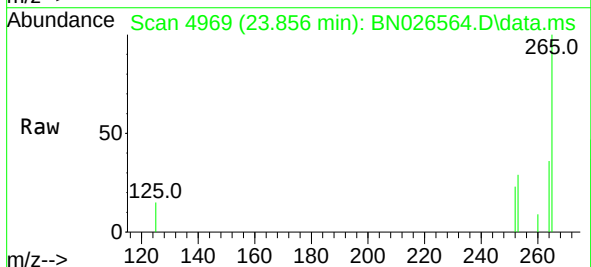
Tgt Ion:252 Resp: 500
Ion Ratio Lower Upper
252 100
253 108.8 27.2 40.8
125 56.2 13.4 20.2

Manual Integrations
APPROVED

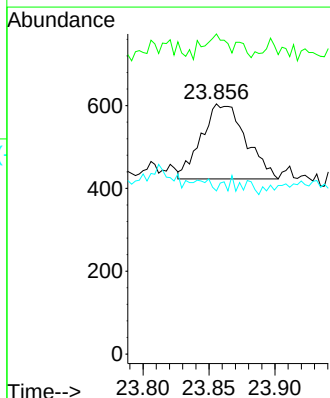
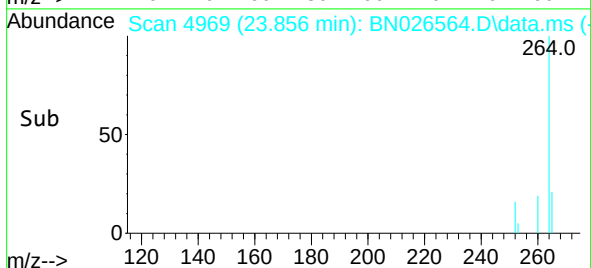
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

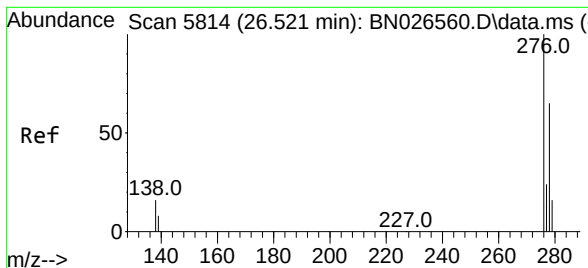


#26
Benzo(a)pyrene
Concen: 0.132 ng/ul
RT: 23.856 min Scan# 4969
Delta R.T. -0.015 min
Lab File: BN026564.D
Acq: 18 Jul 2023 14:53



Tgt Ion:252 Resp: 421
Ion Ratio Lower Upper
252 100
253 128.0 32.6 49.0#
125 65.2 19.3 28.9#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.117 ng/ul

RT: 26.517 min Scan# 5813

Delta R.T. -0.003 min

Lab File: BN026564.D

Acq: 18 Jul 2023 14:53

Instrument :

BNA_N

ClientSampleId :

A46L9RE

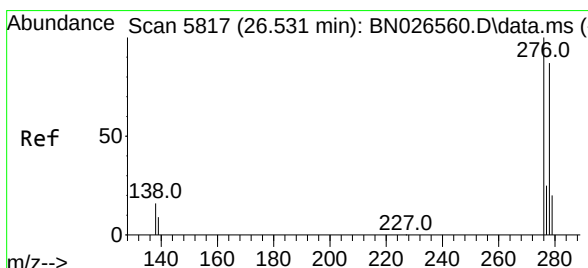
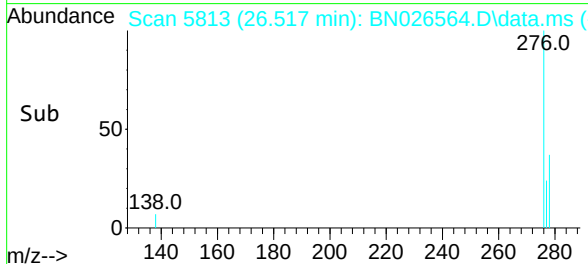
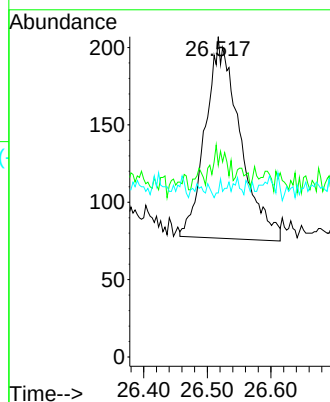
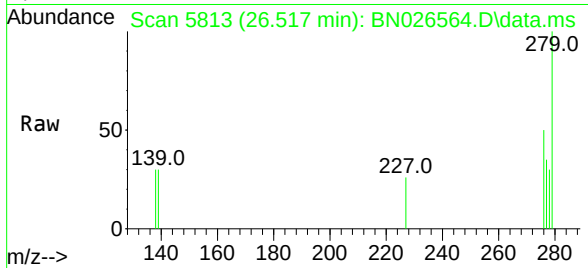
Tgt Ion:	276	Resp:	49
Ion Ratio	Lower	Upper	
276	100		
138	9.4	22.2	33.4
227	1.2	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#28

Dibenzo(a,h)anthracene

Concen: 0.057 ng/ul

RT: 26.517 min Scan# 5813

Delta R.T. -0.014 min

Lab File: BN026564.D

Acq: 18 Jul 2023 14:53

Tgt Ion:	278	Resp:	182
Ion Ratio	Lower	Upper	
278	100		
139	101.6	18.9	28.3
279	336.1	31.3	46.9

