

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092623\
 Data File : BN027912.D
 Acq On : 27 Sep 2023 22:48
 Operator : MA/JU
 Sample : 04472-10DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EZYK8DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/28/2023
 Supervised By :mohammad ahmed 09/28/2023

Quant Time: Sep 28 00:02:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN091523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 27 03:52:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	2965	0.400	ng/ul	0.00
4) Naphthalene-d8	10.779	136	11490	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.601	164	7653	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.354	188	17168	0.400	ng/ul	0.00
17) Chrysene-d12	21.536	240	17226	0.400	ng/ul	0.00
23) Perylene-d12	24.009	264	18420	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	1635	0.438	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.357	152	893	0.051	ng/ul	0.00
18) Fluoranthene-d10	19.380	212	2499	0.047	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.828	128	5476	0.167	ng/ul	98
7) 2-Methylnaphthalene	12.434	142	8615	0.413	ng/ul	100
8) 1-Methylnaphthalene	12.654	142	4806	0.224	ng/ul	98
11) Acenaphthene	14.666	153	808	0.028	ng/ul#	81
12) Fluorene	15.651	166	1277	0.038	ng/ul#	86
15) Phenanthrene	17.396	178	40542	0.751	ng/ul	98
16) Anthracene	17.489	178	4468	0.099	ng/ul#	91
19) Fluoranthene	19.408	202	17305	0.248	ng/ul	97
20) Pyrene	19.775	202	17756m	0.247	ng/ul	
21) Benzo(a)anthracene	21.518	228	10927	0.164	ng/ul#	82
22) Chrysene	21.574	228	21928m	0.318	ng/ul	
24) Benzo(b)fluoranthene	23.240	252	20068m	0.244	ng/ul	
25) Benzo(k)fluoranthene	23.287	252	6480m	0.081	ng/ul	
26) Benzo(a)pyrene	23.895	252	10626	0.161	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.596	276	8431	0.100	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.609	278	2862	0.042	ng/ul#	19
29) Benzo(g,h,i)perylene	27.411	276	10031	0.140	ng/ul	94

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

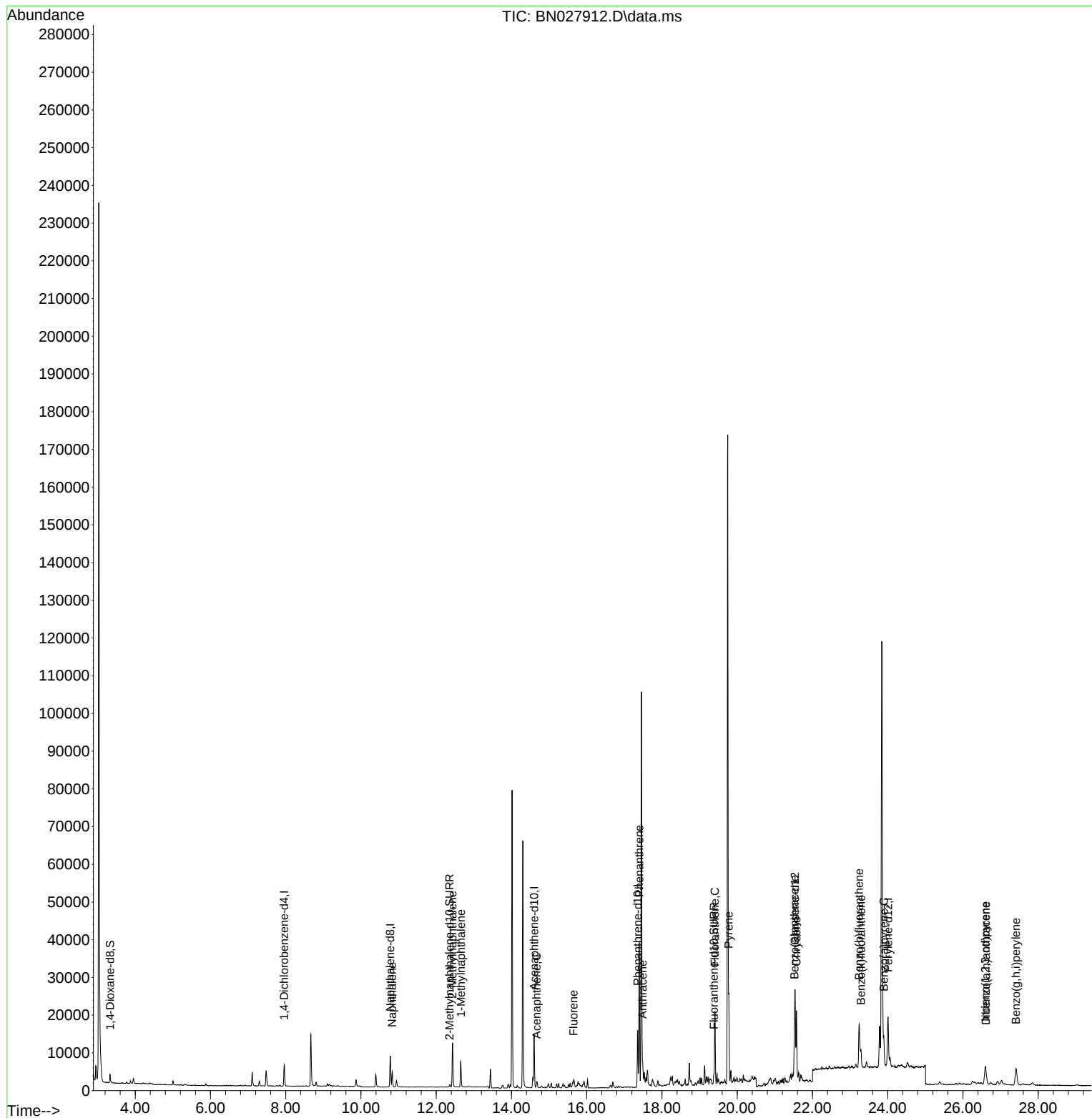
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092623\
Data File : BN027912.D
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Sample : 04472-10DL 5X
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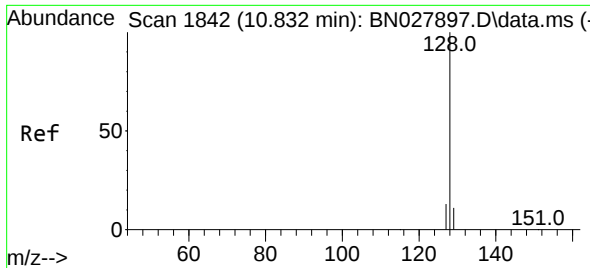
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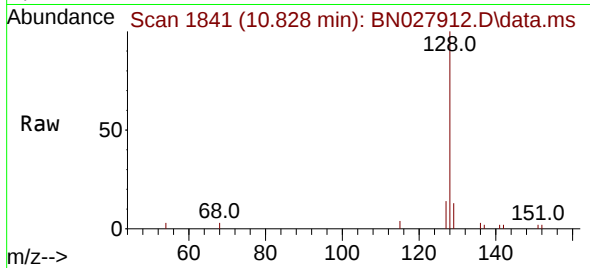
Quant Time: Sep 28 00:02:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN091523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 27 03:52:19 2023
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#5
Naphthalene
Concen: 0.167 ng/ul
RT: 10.828 min Scan# 1842
Delta R.T. -0.005 min
Lab File: BN027912.D
Acq: 27 Sep 2023 22:48

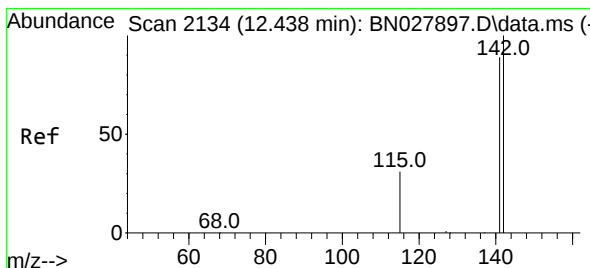
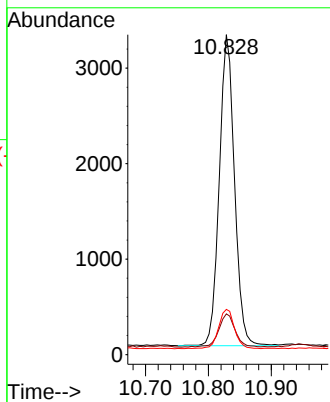
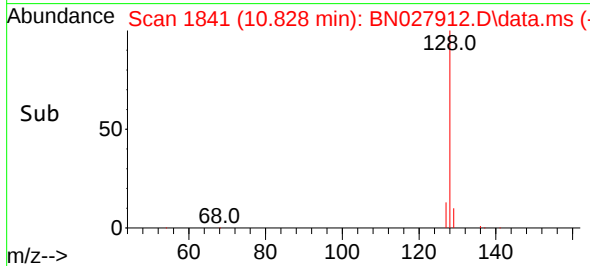
Instrument :
BNA_N
ClientSampleId :
EZYK8DL



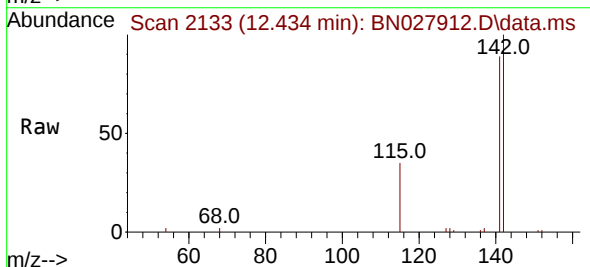
Tgt Ion:128 Resp: 5470
Ion Ratio Lower Upper
128 100
129 12.7 9.3 13.9
127 14.1 10.7 16.1

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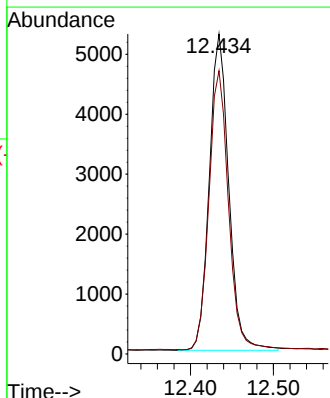
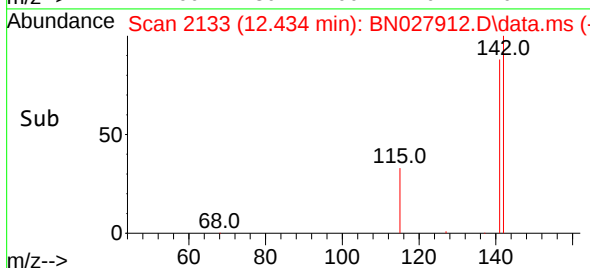
Reviewed By :Yogesh Patel 09/28/2023
Supervised By :mohammad ahmed 09/28/2023

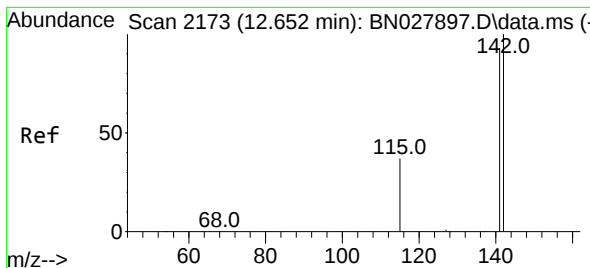


#7
2-Methylnaphthalene
Concen: 0.413 ng/ul
RT: 12.434 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BN027912.D
Acq: 27 Sep 2023 22:48



Tgt Ion:142 Resp: 8615
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7





#8

1-Methylnaphthalene

Concen: 0.224 ng/ul

RT: 12.654 min Scan# 2173

Delta R.T. 0.000 min

Lab File: BN027912.D

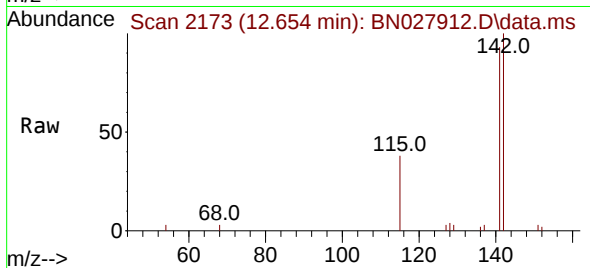
Acq: 27 Sep 2023 22:48

Instrument :

BNA_N

ClientSampleId :

EZYK8DL



Tgt Ion:142 Resp: 4800

Ion Ratio Lower Upper

142 100

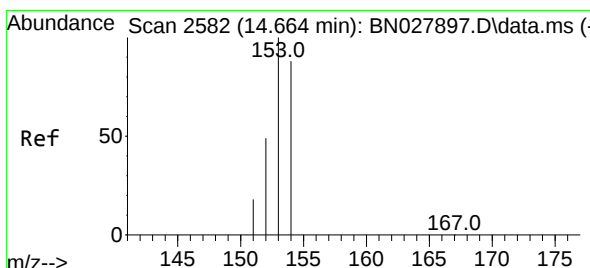
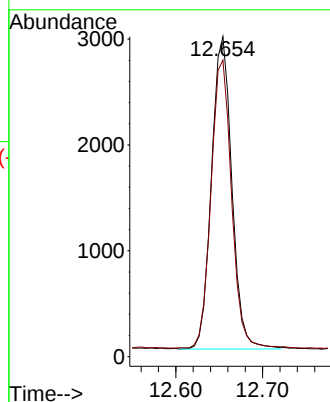
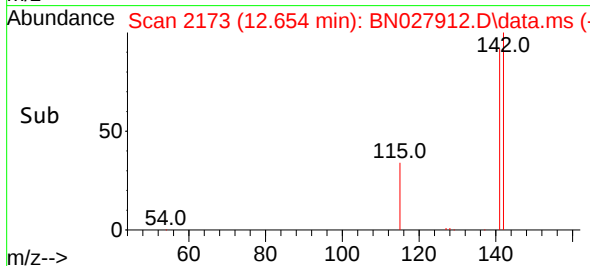
141 92.8 72.8 109.2

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#11

Acenaphthene

Concen: 0.028 ng/ul

RT: 14.666 min Scan# 2582

Delta R.T. 0.000 min

Lab File: BN027912.D

Acq: 27 Sep 2023 22:48

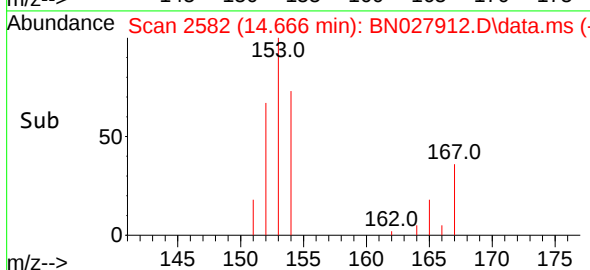
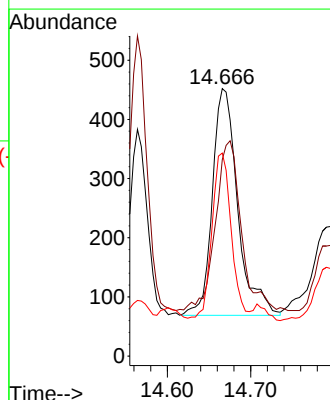
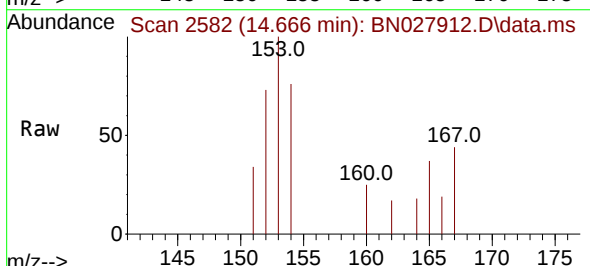
Tgt Ion:153 Resp: 808

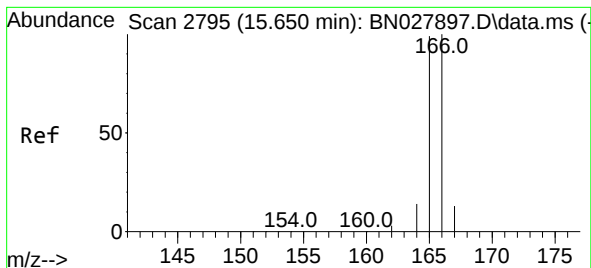
Ion Ratio Lower Upper

153 100

152 73.5 41.7 62.5#

154 75.9 70.3 105.5





#12

Fluorene

Concen: 0.038 ng/u1

RT: 15.651 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027912.D

Acq: 27 Sep 2023 22:48

Instrument :

BNA_N

ClientSampleId :

EZYK8DL

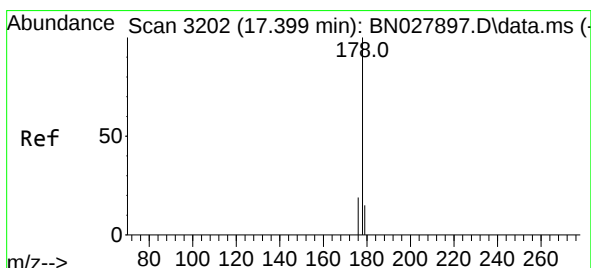
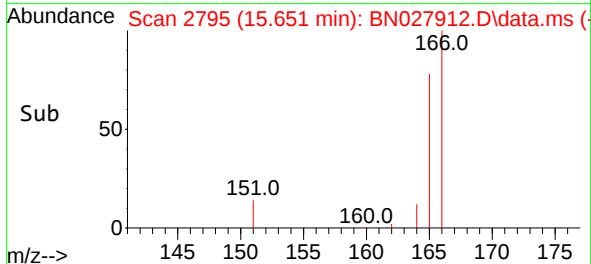
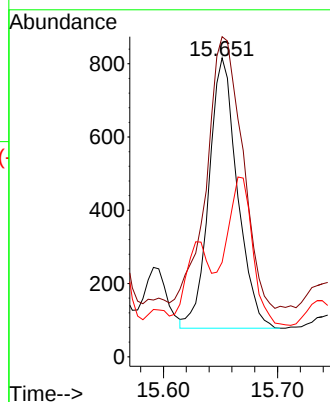
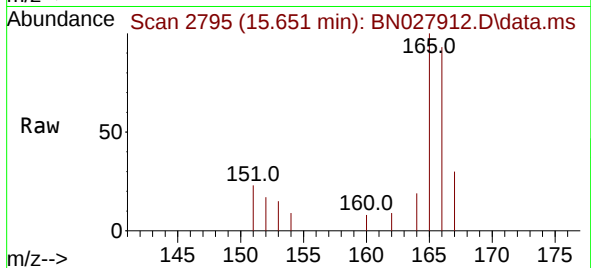
Tgt Ion:	166	Resp:	127
Ion Ratio	Lower	Upper	
166	100		
165	107.1	78.0	117.0
167	31.6	11.4	17.2

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#15

Phenanthrene

Concen: 0.751 ng/u1

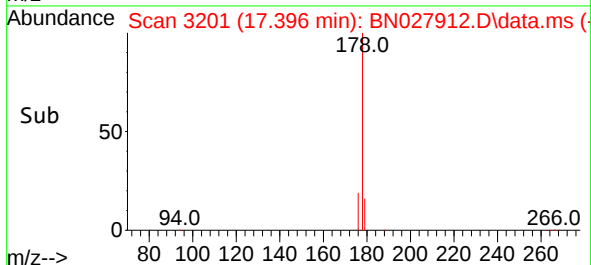
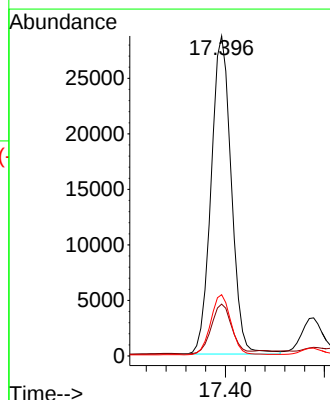
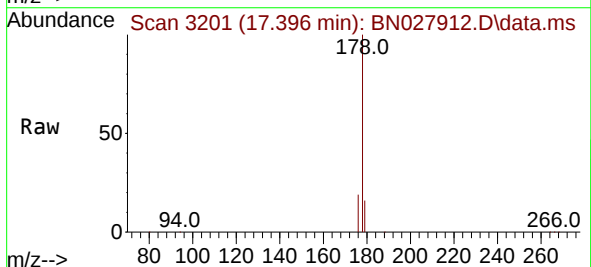
RT: 17.396 min Scan# 3201

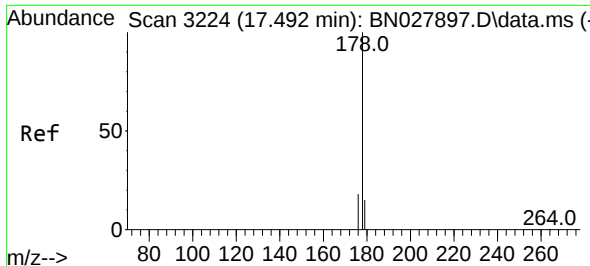
Delta R.T. -0.000 min

Lab File: BN027912.D

Acq: 27 Sep 2023 22:48

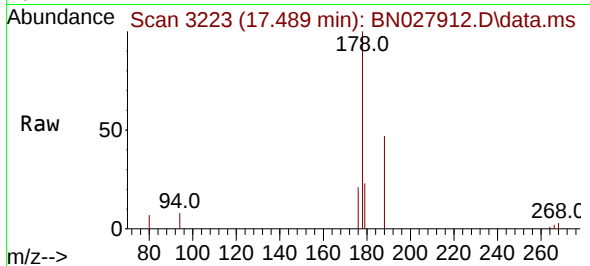
Tgt Ion:	178	Resp:	40542
Ion Ratio	Lower	Upper	
178	100		
179	16.2	12.4	18.6
176	19.2	16.0	24.0





#16
 Anthracene
 Concen: 0.099 ng/ul
 RT: 17.489 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: BN027912.D
 Acq: 27 Sep 2023 22:48

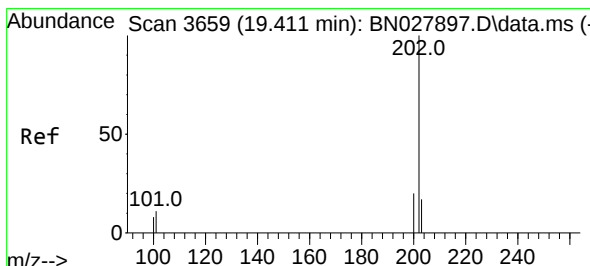
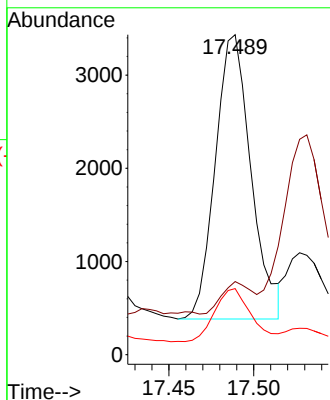
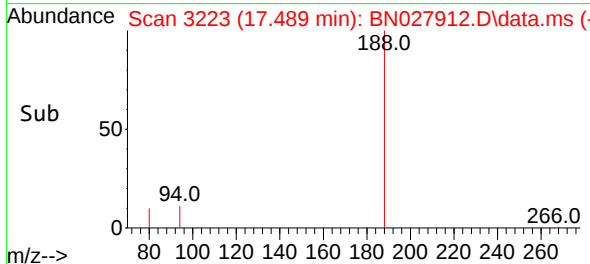
Instrument :
 BNA_N
 ClientSampleId :
 EZYK8DL



Tgt Ion:178 Resp: 4468
 Ion Ratio Lower Upper
 178 100
 179 22.8 12.6 19.0
 176 20.6 15.5 23.3

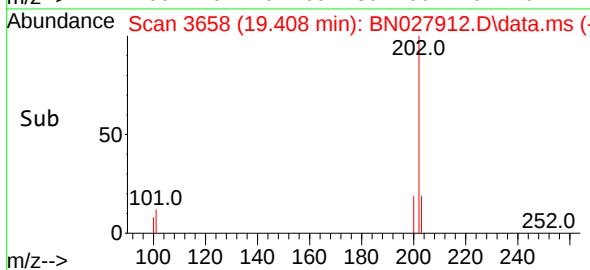
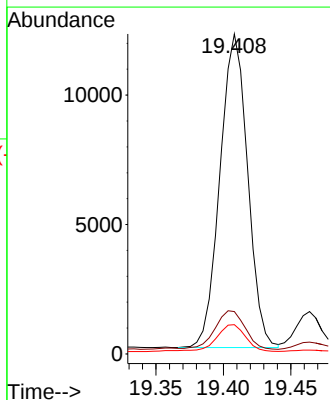
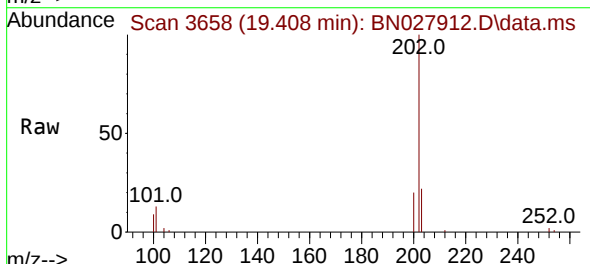
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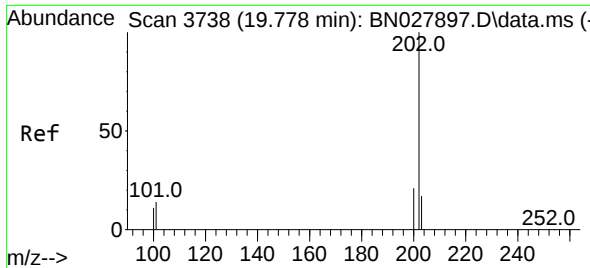
Reviewed By :Yogesh Patel 09/28/2023
 Supervised By :mohammad ahmed 09/28/2023



#19
 Fluoranthene
 Concen: 0.248 ng/ul
 RT: 19.408 min Scan# 3658
 Delta R.T. -0.000 min
 Lab File: BN027912.D
 Acq: 27 Sep 2023 22:48

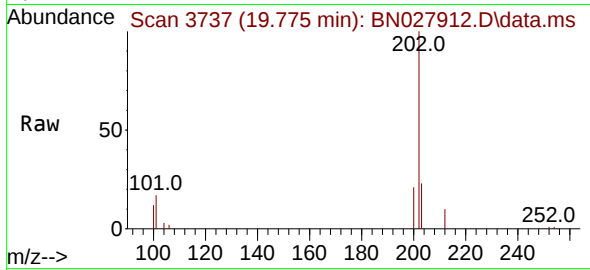
Tgt Ion:202 Resp: 17305
 Ion Ratio Lower Upper
 202 100
 101 13.2 9.3 13.9
 100 9.2 7.0 10.4





#20
Pyrene
Concen: 0.247 ng/ul m
RT: 19.775 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027912.D
Acq: 27 Sep 2023 22:48

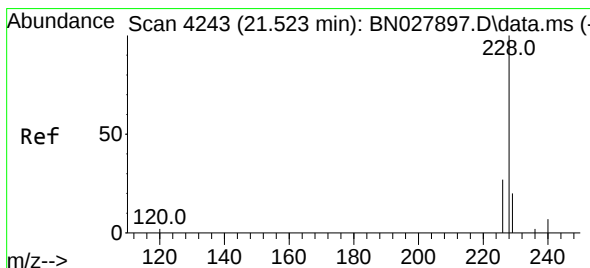
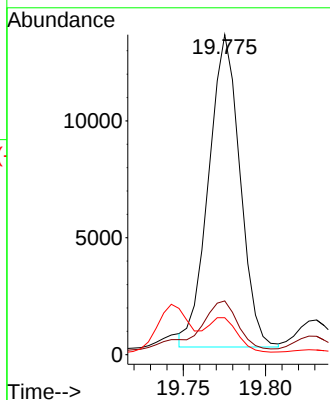
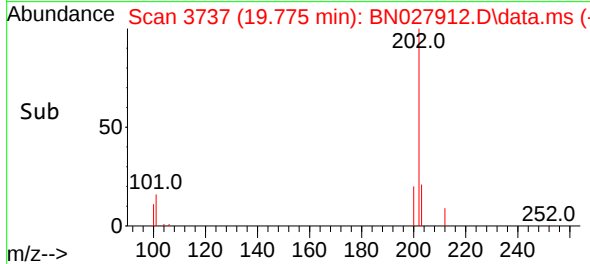
Instrument :
BNA_N
ClientSampleId :
EZYK8DL



Tgt Ion:202 Resp: 17750
Ion Ratio Lower Upper
202 100
101 16.8 11.4 17.0
100 11.6 9.1 13.7

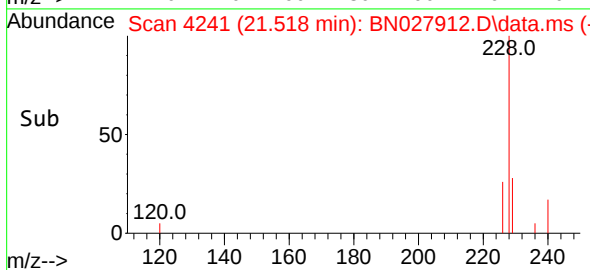
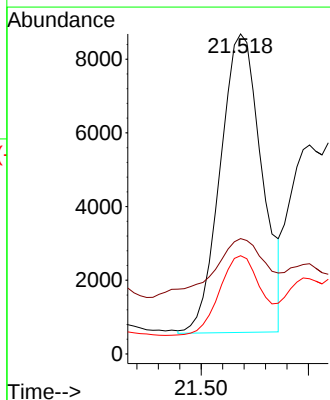
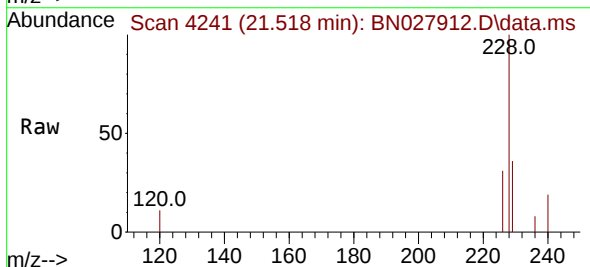
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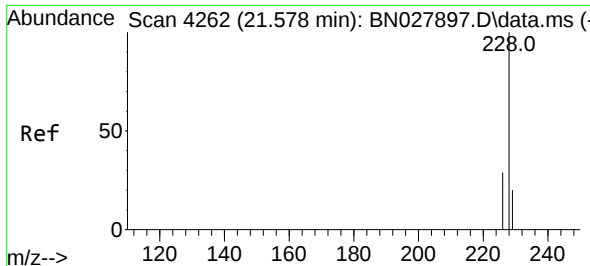
Reviewed By :Yogesh Patel 09/28/2023
Supervised By :mohammad ahmed 09/28/2023



#21
Benzo(a)anthracene
Concen: 0.164 ng/ul
RT: 21.518 min Scan# 4241
Delta R.T. -0.000 min
Lab File: BN027912.D
Acq: 27 Sep 2023 22:48

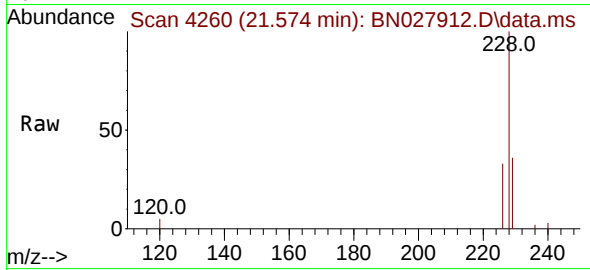
Tgt Ion:228 Resp: 10927
Ion Ratio Lower Upper
228 100
229 36.1 15.8 23.8#
226 30.7 22.0 33.0





#22
Chrysene
Concen: 0.318 ng/ul m
RT: 21.574 min Scan# 4260
Delta R.T. -0.000 min
Lab File: BN027912.D
Acq: 27 Sep 2023 22:48

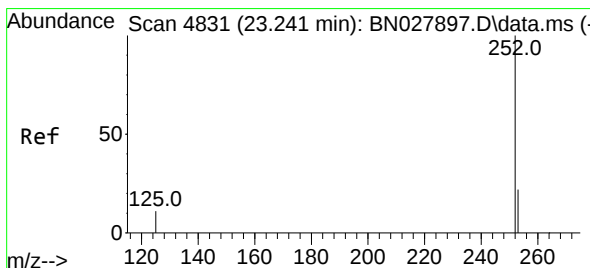
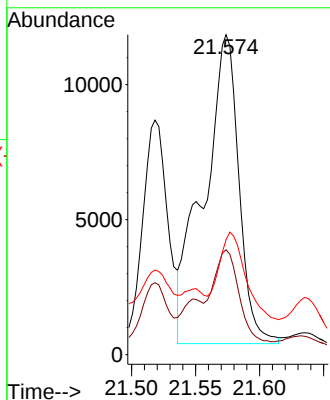
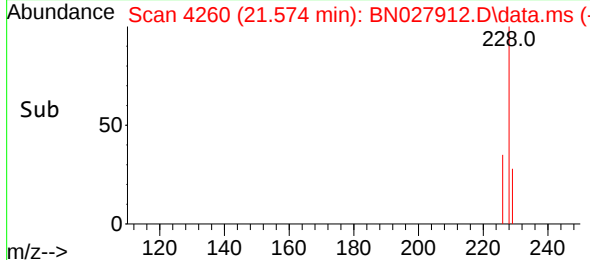
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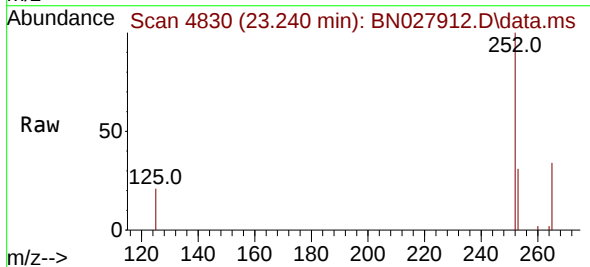
Tgt Ion:228 Resp: 21928
Ion Ratio Lower Upper
228 100
226 32.8 24.5 36.7
229 35.9 16.0 24.0

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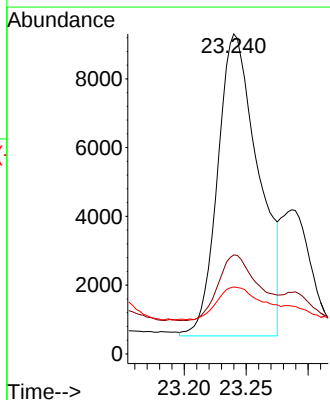
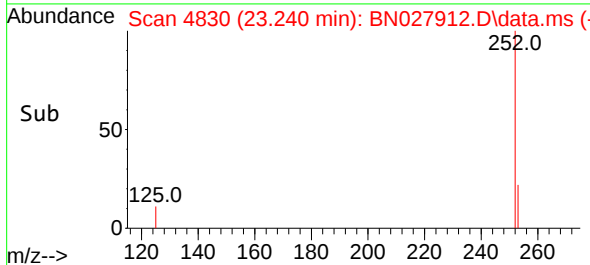
Reviewed By :Yogesh Patel 09/28/2023
Supervised By :mohammad ahmed 09/28/2023

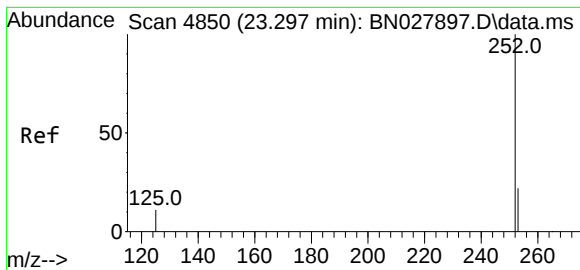


#24
Benzo(b)fluoranthene
Concen: 0.244 ng/ul m
RT: 23.240 min Scan# 4830
Delta R.T. -0.000 min
Lab File: BN027912.D
Acq: 27 Sep 2023 22:48



Tgt Ion:252 Resp: 20068
Ion Ratio Lower Upper
252 100
253 31.0 0.0 50.2
125 20.9 0.0 31.4





#25

Benzo(k)fluoranthene

Concen: 0.081 ng/ul m

RT: 23.287 min Scan# 4846

Delta R.T. -0.006 min

Lab File: BN027912.D

Acq: 27 Sep 2023 22:48

Instrument :

BNA_N

ClientSampleId :

EZYK8DL

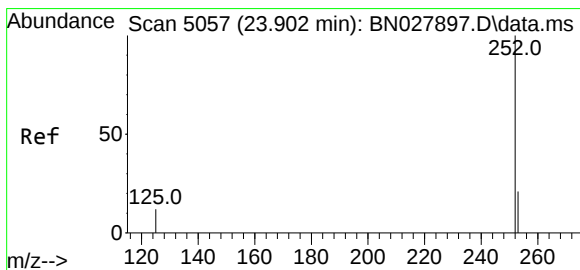
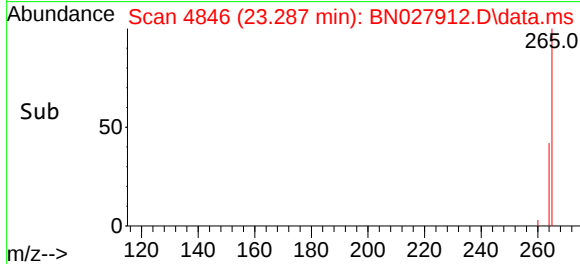
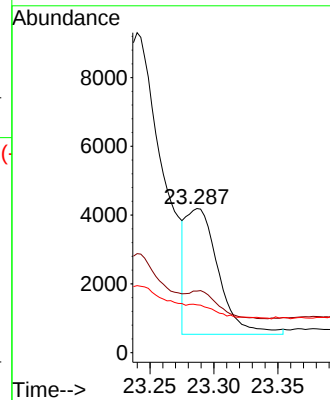
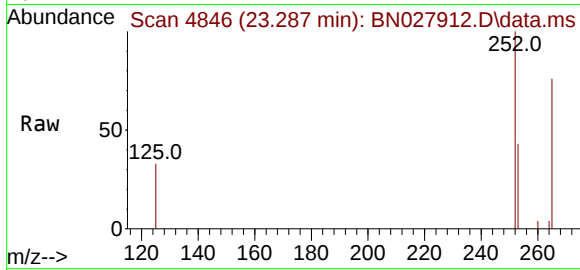
Tgt Ion:	252	Resp:	6480
Ion Ratio	Lower	Upper	
252	100		
253	42.8	19.9	29.9#
125	33.1	12.6	19.0#

Manual Integrations

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#26

Benzo(a)pyrene

Concen: 0.161 ng/ul

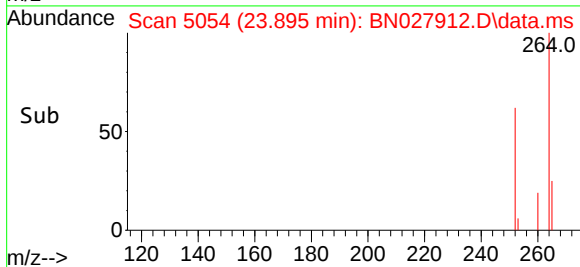
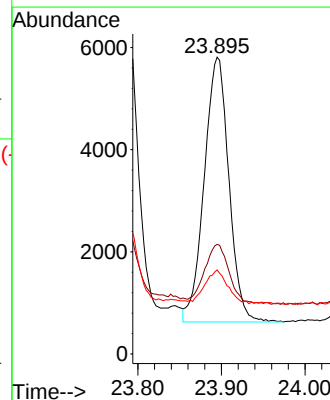
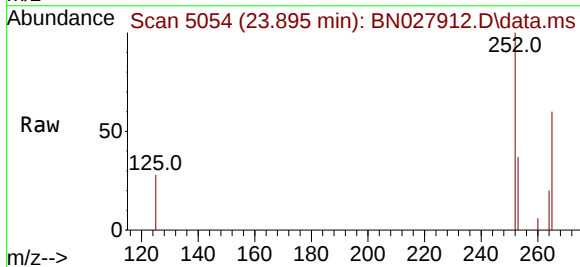
RT: 23.895 min Scan# 5054

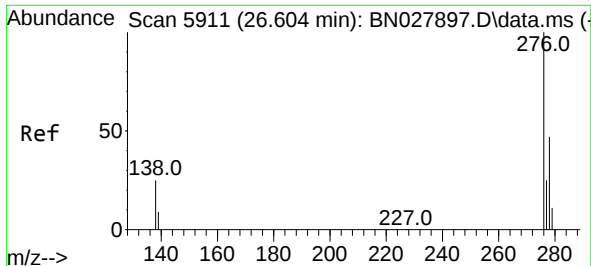
Delta R.T. -0.000 min

Lab File: BN027912.D

Acq: 27 Sep 2023 22:48

Tgt Ion:	252	Resp:	10626
Ion Ratio	Lower	Upper	
252	100		
253	36.9	21.9	32.9#
125	28.3	15.5	23.3#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.100 ng/ul

RT: 26.596 min Scan# 5908

Delta R.T. -0.004 min

Lab File: BN027912.D

Acq: 27 Sep 2023 22:48

Instrument :

BNA_N

ClientSampleId :

EZYK8DL

Tgt Ion:276 Resp: 843

Ion Ratio Lower Upper

276 100

138 24.5 24.3 36.5

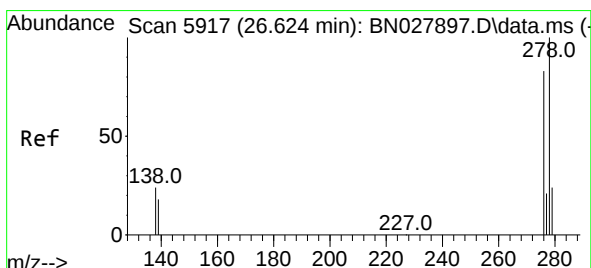
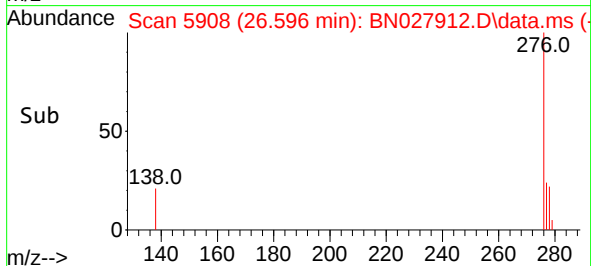
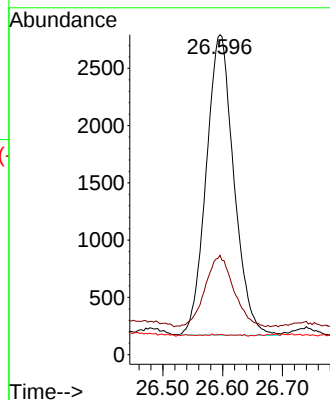
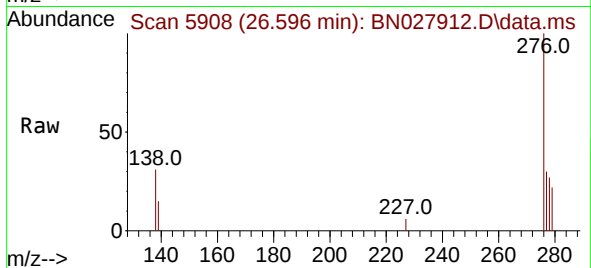
227 0.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2023

Supervised By :mohammad ahmed 09/28/2023



#28

Dibenzo(a,h)anthracene

Concen: 0.042 ng/ul

RT: 26.609 min Scan# 5912

Delta R.T. -0.014 min

Lab File: BN027912.D

Acq: 27 Sep 2023 22:48

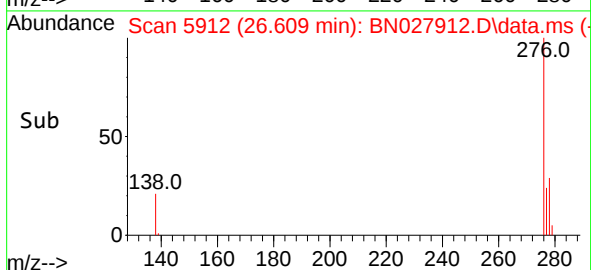
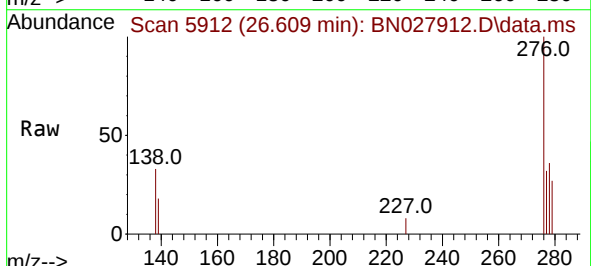
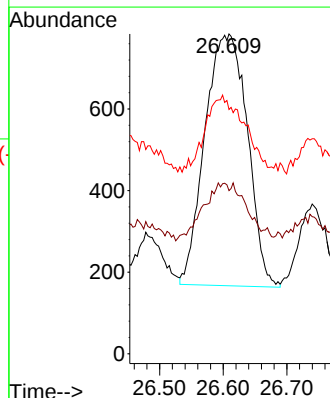
Tgt Ion:278 Resp: 2862

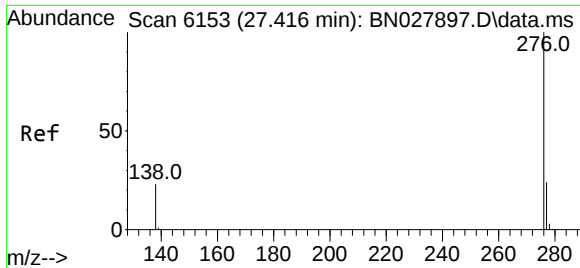
Ion Ratio Lower Upper

278 100

139 51.0 17.2 25.8#

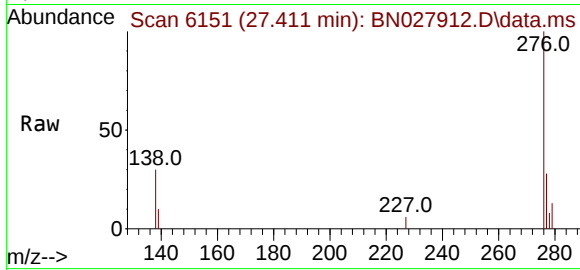
279 76.4 21.4 32.0#





#29
 Benzo(g,h,i)perylene
 Concen: 0.140 ng/ul
 RT: 27.411 min Scan# 6151
 Delta R.T. -0.000 min
 Lab File: BN027912.D
 Acq: 27 Sep 2023 22:48

Instrument :
 BNA_N
 ClientSampleId :
 EZYK8DL



Tgt Ion: 276 Resp: 1003

Ion	Ratio	Lower	Upper
276	100		
138	30.1	21.7	32.5
277	28.2	20.2	30.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/28/2023
 Supervised By :mohammad ahmed 09/28/2023

