

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092623\
 Data File : BN027913.D
 Acq On : 27 Sep 2023 23:24
 Operator : MA/JU
 Sample : 04472-21DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EZYM8DL

Quant Time: Sep 28 00:03:05 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

Manual Integrations APPROVED

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

09/28/2023
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	3004	0.400	ng/ul	0.00
4) Naphthalene-d8	10.779	136	11444	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.601	164	7462	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.354	188	17099	0.400	ng/ul	0.00
17) Chrysene-d12	21.536	240	17072	0.400	ng/ul	# 0.00
23) Perylene-d12	24.009	264	18340	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	751	0.198	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.357	152	383	0.022	ng/ul	0.00
18) Fluoranthene-d10	19.376	212	1036	0.020	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.828	128	9696	0.296	ng/ul	99
7) 2-Methylnaphthalene	12.434	142	3348	0.161	ng/ul	100
8) 1-Methylnaphthalene	12.654	142	2518	0.118	ng/ul	97
10) Acenaphthylene	14.328	152	657	0.020	ng/ul#	58
11) Acenaphthene	14.666	153	3103	0.110	ng/ul	99
12) Fluorene	15.651	166	3749	0.113	ng/ul#	95
15) Phenanthrene	17.392	178	33648	0.626	ng/ul	99
16) Anthracene	17.485	178	4907	0.109	ng/ul#	91
19) Fluoranthene	19.408	202	49097	0.711	ng/ul	99
20) Pyrene	19.776	202	48304m	0.679	ng/ul	
21) Benzo(a)anthracene	21.519	228	21717	0.329	ng/ul#	94
22) Chrysene	21.574	228	23402	0.343	ng/ul#	91
24) Benzo(b)fluoranthene	23.240	252	28747m	0.352	ng/ul	
25) Benzo(k)fluoranthene	23.287	252	11738m	0.148	ng/ul	
26) Benzo(a)pyrene	23.892	252	19223	0.292	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.596	276	11401	0.135	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.613	278	3061	0.045	ng/ul#	24
29) Benzo(g,h,i)perylene	27.407	276	11291	0.158	ng/ul	92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092623\
Data File : BN027913.D
Acq On : 27 Sep 2023 23:24
Operator : MA/JU
Sample : 04472-21DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EZYM8DL

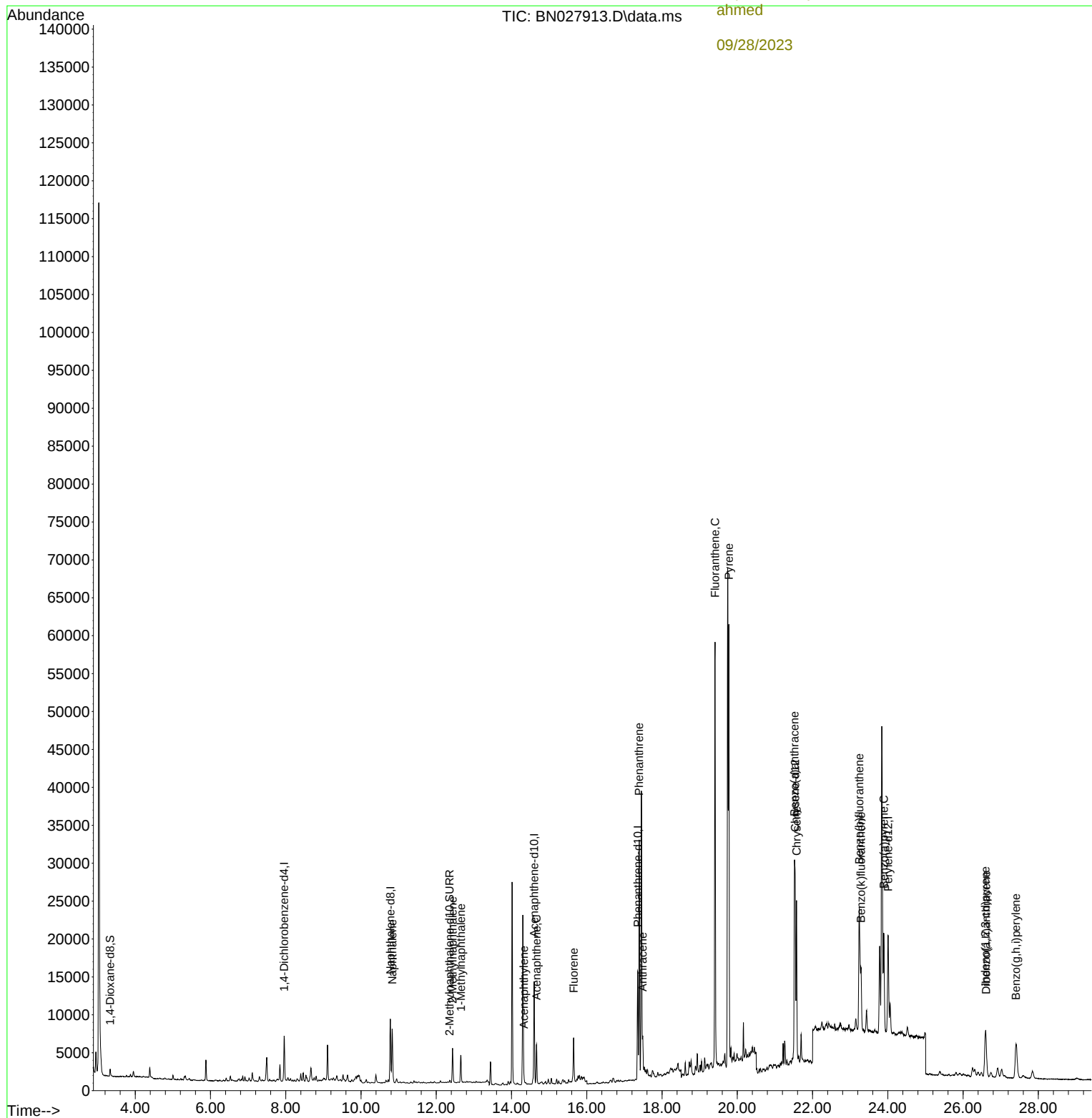
Quant Time: Sep 28 00:03:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN091523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 27 03:52:19 2023
Response via : Initial Calibration

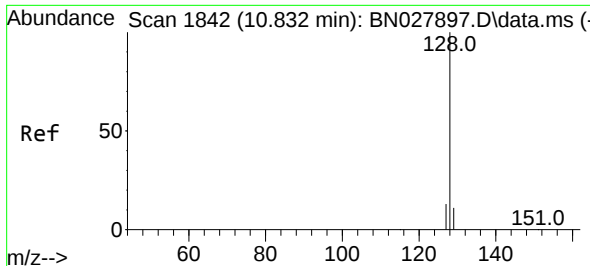
Manual Integrations
APPROVED

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

09/28/2023
Supervised By :mohammad
ahmed

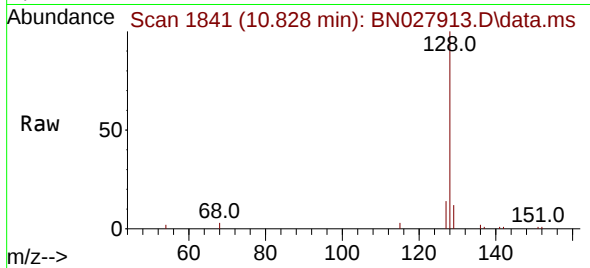
09/28/2023





#5
Naphthalene
Concen: 0.296 ng/ul
RT: 10.828 min Scan# 1842
Delta R.T. -0.005 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

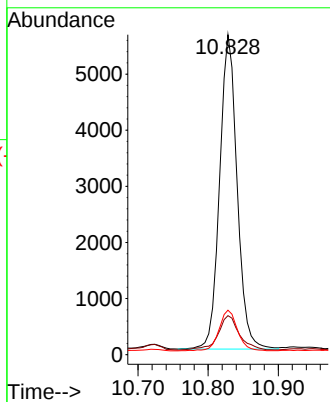
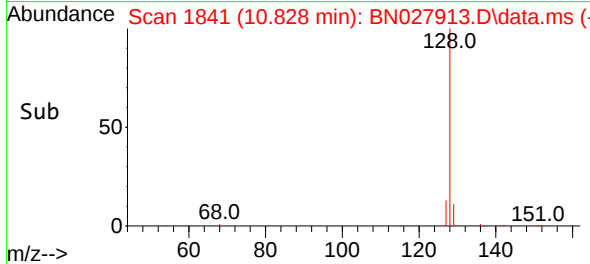
Instrument :
BNA_N
ClientSampleId :
EZY8DL



Tgt Ion:128 Resp: 9690
Ion Ratio Lower Upper
128 100
129 12.2 9.3 13.9
127 13.9 10.7 16.1

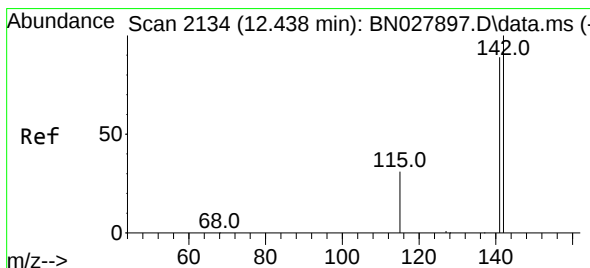
Manual Integrations
APPROVED

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

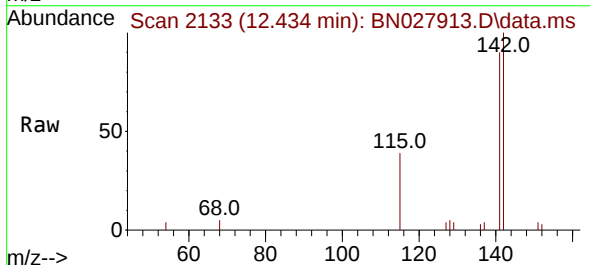


09/28/2023
Supervised By :mohammad
ahmed

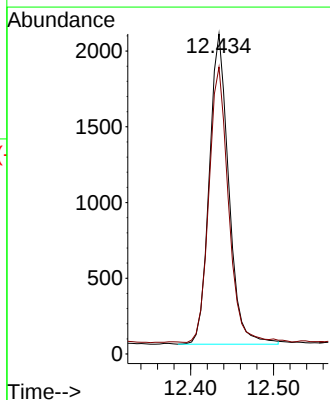
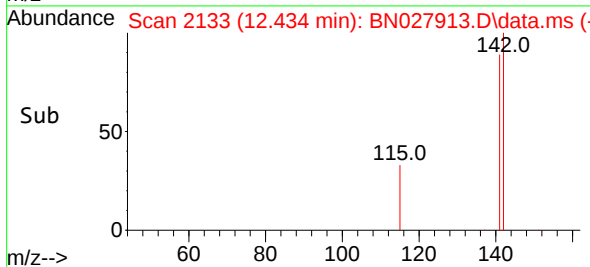
09/28/2023

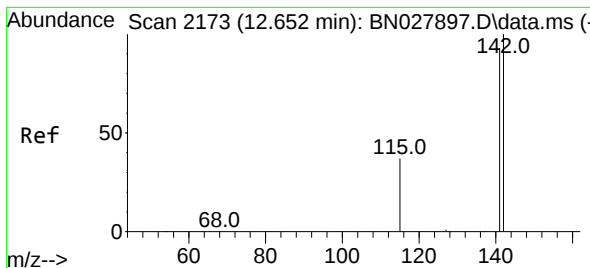


#7
2-Methylnaphthalene
Concen: 0.161 ng/ul
RT: 12.434 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24



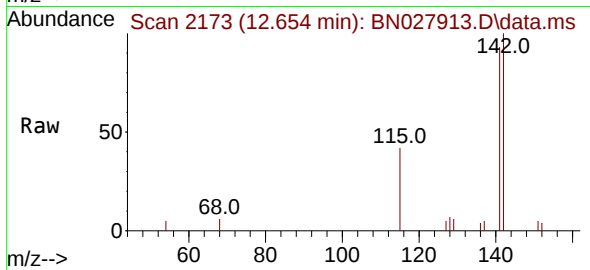
Tgt Ion:142 Resp: 3348
Ion Ratio Lower Upper
142 100
141 89.0 71.1 106.7





#8
1-Methylnaphthalene
Concen: 0.118 ng/ul
RT: 12.654 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

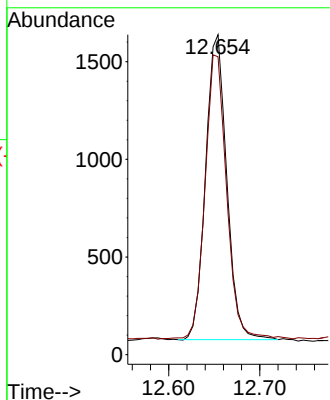
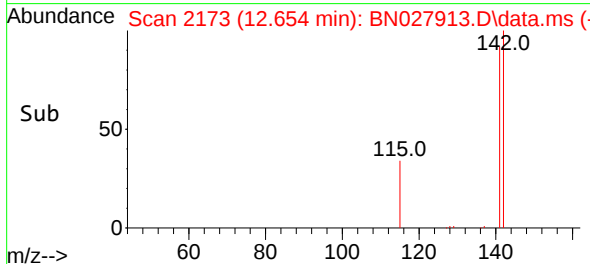
Instrument :
BNA_N
ClientSampleId :
EZY8DL



Tgt Ion:142 Resp: 2518
Ion Ratio Lower Upper
142 100
141 94.2 72.8 109.2

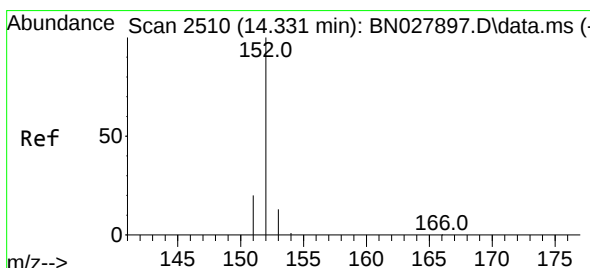
Manual Integrations
APPROVED

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



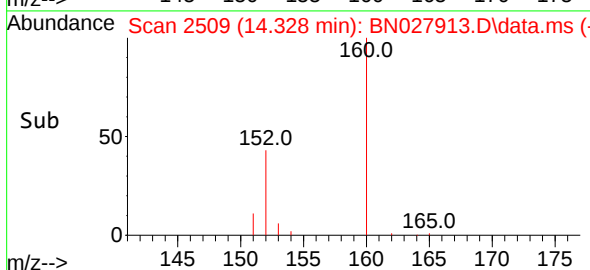
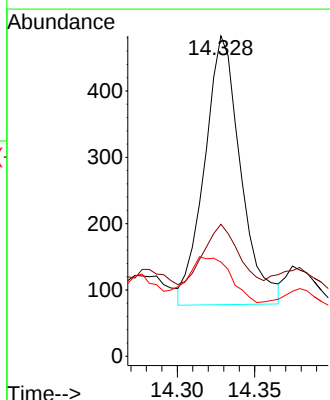
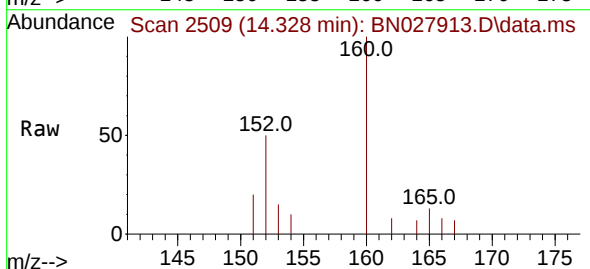
09/28/2023
Supervised By :mohammad
ahmed

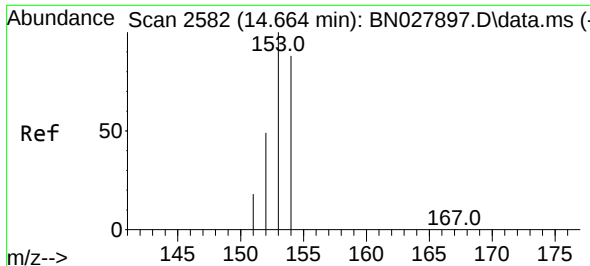
09/28/2023



#10
Acenaphthylene
Concen: 0.020 ng/ul
RT: 14.328 min Scan# 2509
Delta R.T. -0.005 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

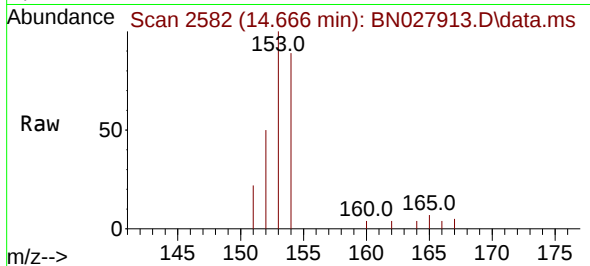
Tgt Ion:152 Resp: 657
Ion Ratio Lower Upper
152 100
151 41.2 16.6 25.0#
153 29.4 11.0 16.6#





#11
Acenaphthene
Concen: 0.110 ng/ul
RT: 14.666 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

Instrument :
BNA_N
ClientSampleId :
EZY8DL



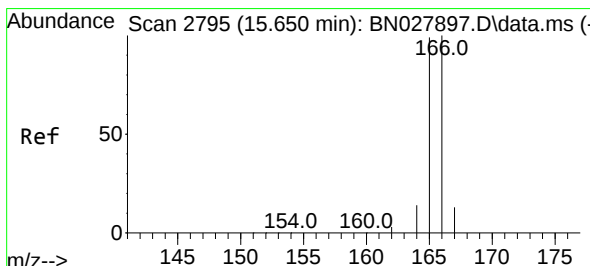
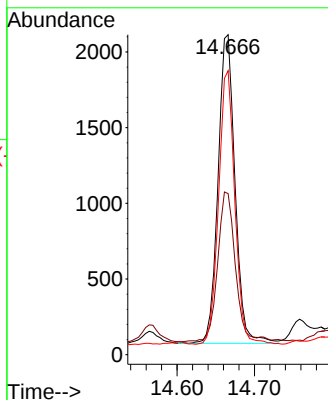
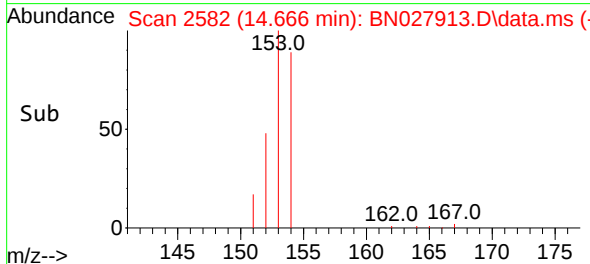
Tgt Ion:153 Resp: 310
Ion Ratio Lower Upper
153 100
152 50.4 41.7 62.5
154 88.7 70.3 105.5

Manual Integrations
APPROVED

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

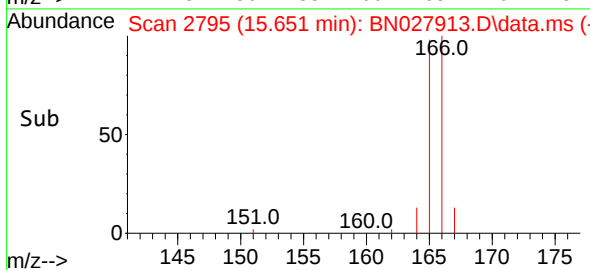
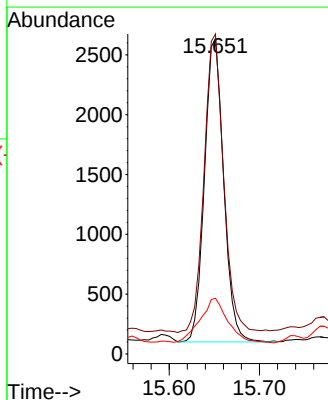
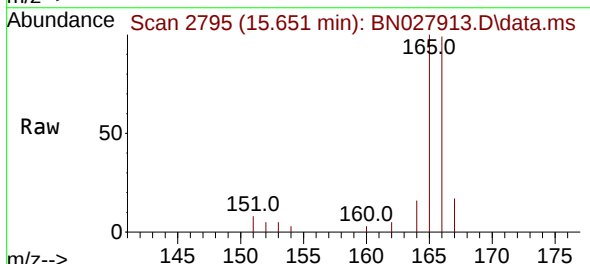
09/28/2023
Supervised By :mohammad
ahmed

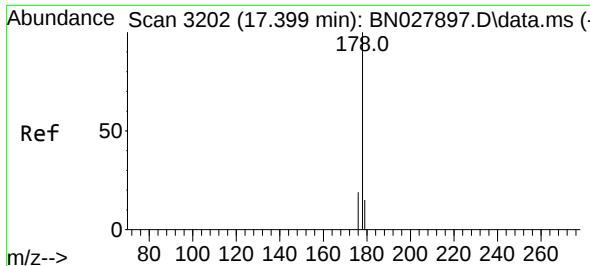
09/28/2023



#12
Fluorene
Concen: 0.113 ng/ul
RT: 15.651 min Scan# 2795
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

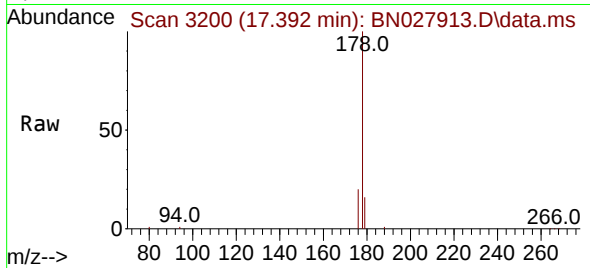
Tgt Ion:166 Resp: 3749
Ion Ratio Lower Upper
166 100
165 101.4 78.0 117.0
167 17.7 11.4 17.2#





#15
Phenanthrene
Concen: 0.626 ng/u1
RT: 17.392 min Scan# 31
Delta R.T. -0.004 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

Instrument :
BNA_N
ClientSampleId :
EZY8DL



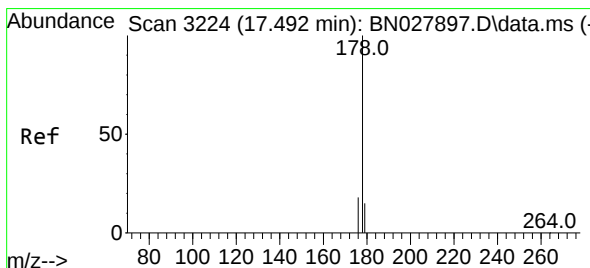
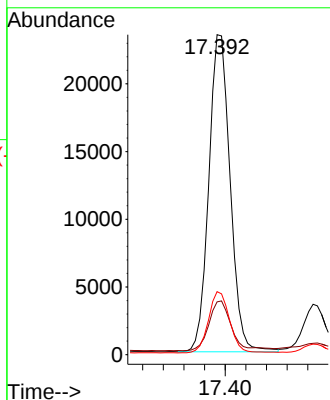
Tgt Ion:178 Resp: 3364
Ion Ratio Lower Upper
178 100
179 16.5 12.4 18.6
176 19.7 16.0 24.0

Manual Integrations
APPROVED

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

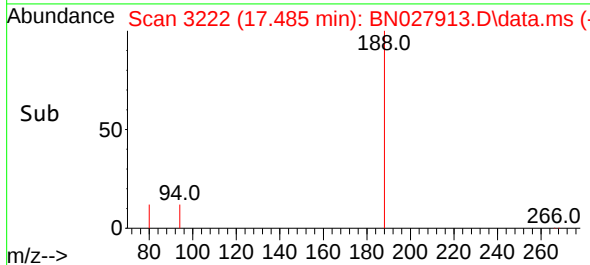
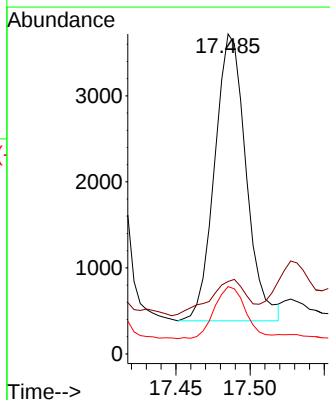
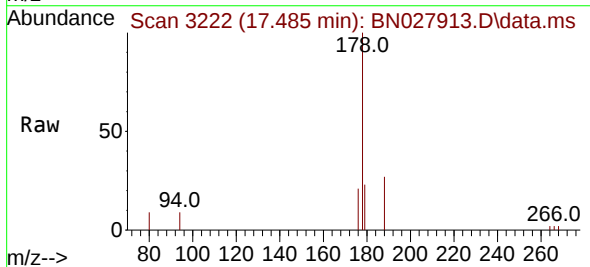
09/28/2023
Supervised By :mohammad
ahmed

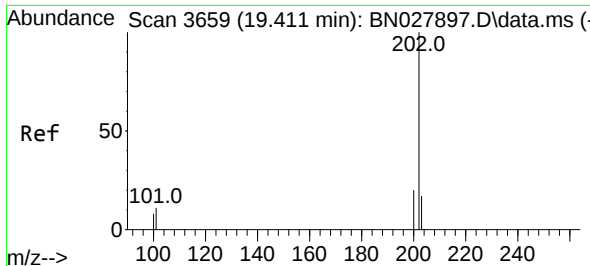
09/28/2023



#16
Anthracene
Concen: 0.109 ng/u1
RT: 17.485 min Scan# 3222
Delta R.T. -0.004 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

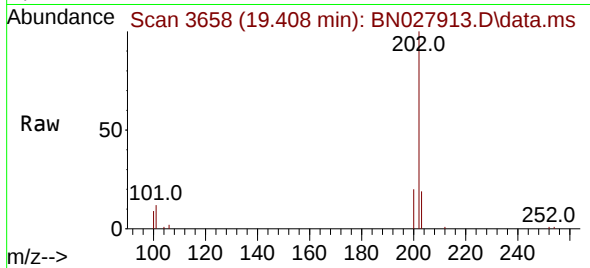
Tgt Ion:178 Resp: 4907
Ion Ratio Lower Upper
178 100
179 22.7 12.6 19.0#
176 21.0 15.5 23.3





#19
Fluoranthene
Concen: 0.711 ng/ul
RT: 19.408 min Scan# 3658
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

Instrument :
BNA_N
ClientSampleId :
EZY8DL



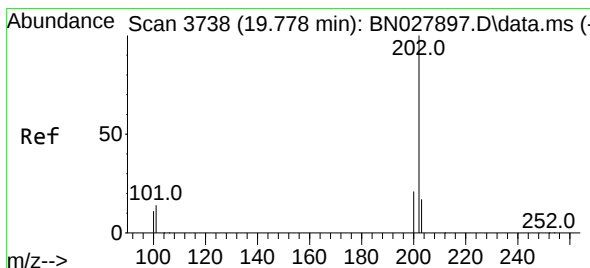
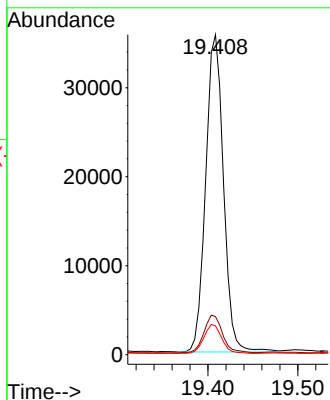
Tgt Ion:202 Resp: 4909
Ion Ratio Lower Upper
202 100
101 11.9 9.3 13.9
100 9.0 7.0 10.4

Manual Integrations
APPROVED

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

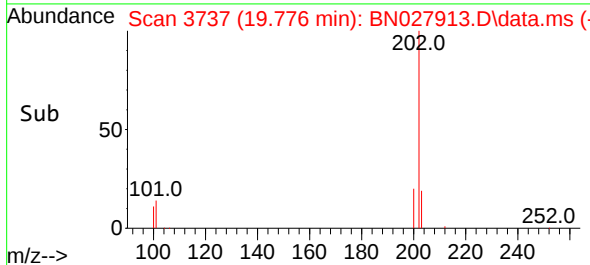
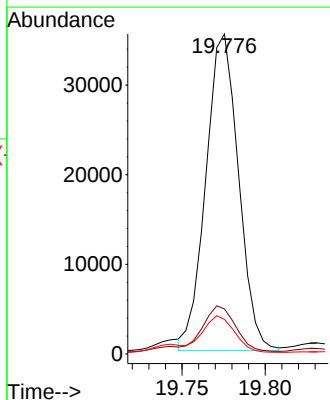
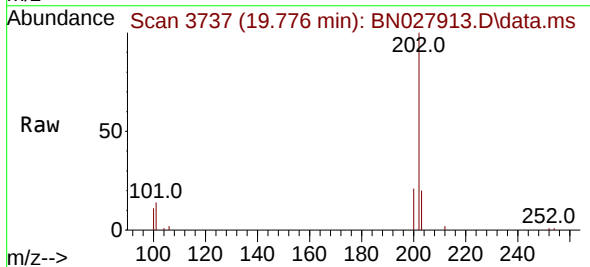
09/28/2023
Supervised By :mohammad
ahmed

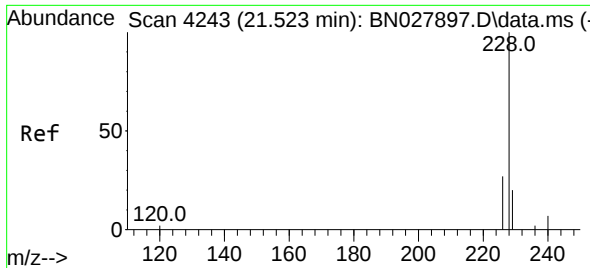
09/28/2023



#20
Pyrene
Concen: 0.679 ng/ul m
RT: 19.776 min Scan# 3737
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

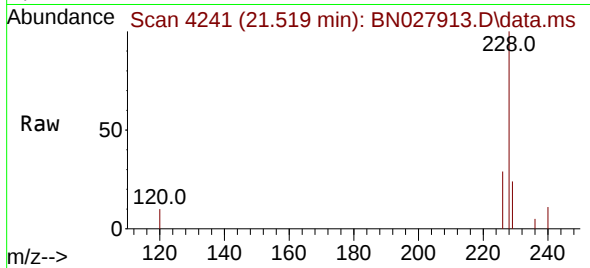
Tgt Ion:202 Resp: 48304
Ion Ratio Lower Upper
202 100
101 14.1 11.4 17.0
100 10.8 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.329 ng/ul
RT: 21.519 min Scan# 4241
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

Instrument :
BNA_N
ClientSampleId :
EZY8DL



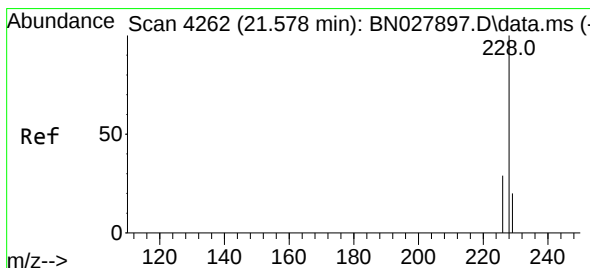
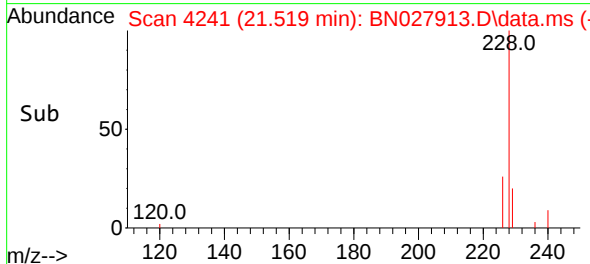
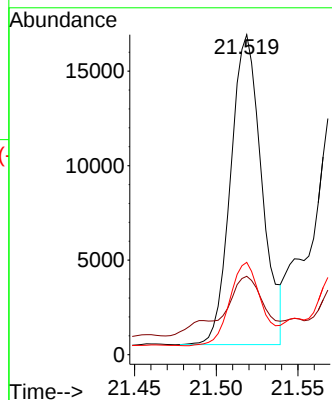
Tgt Ion:228 Resp: 2171
Ion Ratio Lower Upper
228 100
229 24.5 15.8 23.8
226 28.9 22.0 33.0

Manual Integrations
APPROVED

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

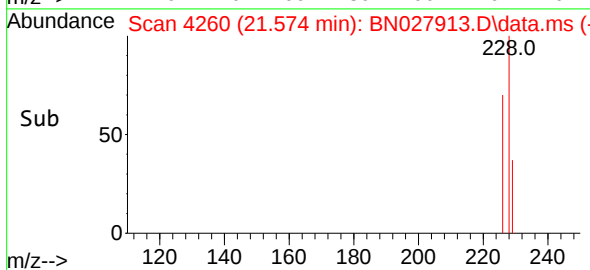
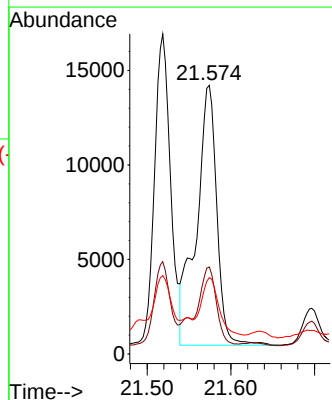
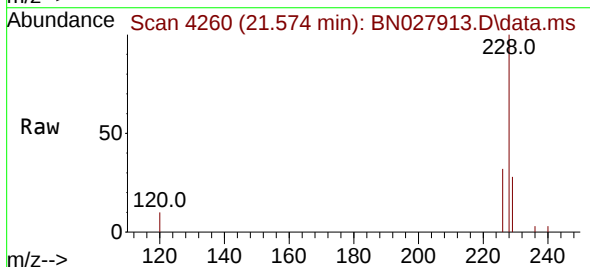
09/28/2023
Supervised By :mohammad
ahmed

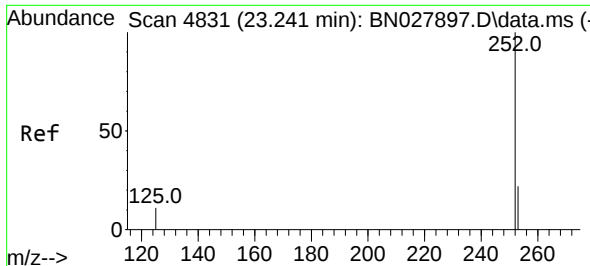
09/28/2023



#22
Chrysene
Concen: 0.343 ng/ul
RT: 21.574 min Scan# 4260
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

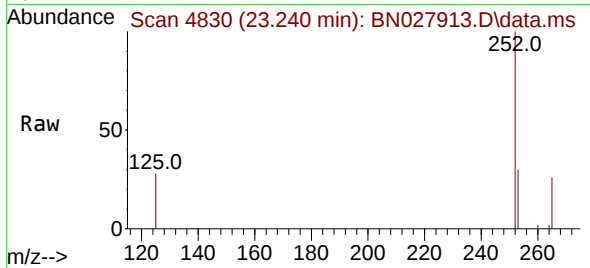
Tgt Ion:228 Resp: 23402
Ion Ratio Lower Upper
228 100
226 32.4 24.5 36.7
229 28.4 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.352 ng/ul m
RT: 23.240 min Scan# 4831
Delta R.T. 0.000 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

Instrument :
BNA_N
ClientSampleId :
EZY8DL



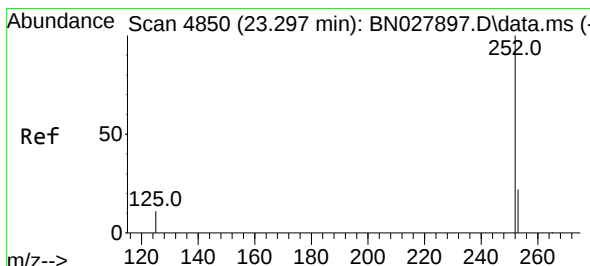
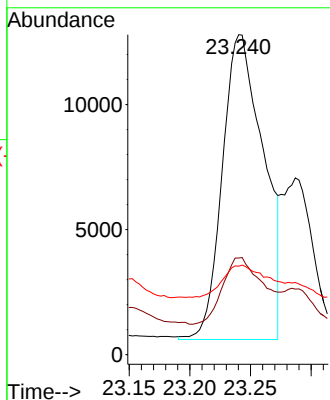
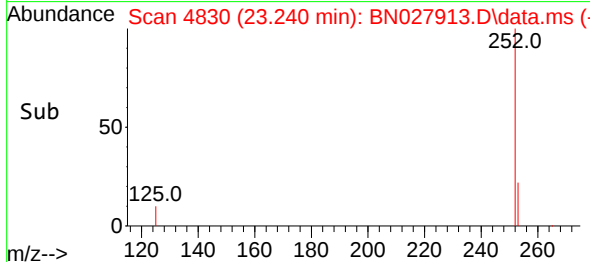
Tgt Ion:252 Resp: 2874
Ion Ratio Lower Upper
252 100
253 30.2 0.0 50.2
125 27.7 0.0 31.4

Manual Integrations
APPROVED

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

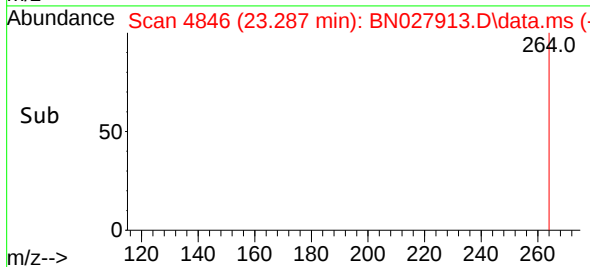
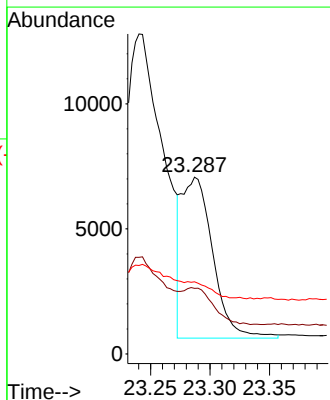
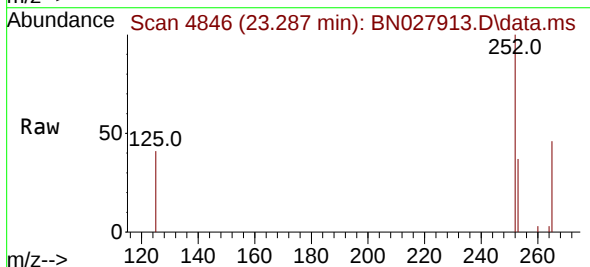
09/28/2023
Supervised By :mohammad
ahmed

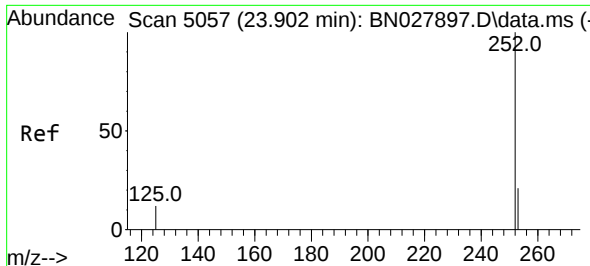
09/28/2023



#25
Benzo(k)fluoranthene
Concen: 0.148 ng/ul m
RT: 23.287 min Scan# 4846
Delta R.T. -0.006 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

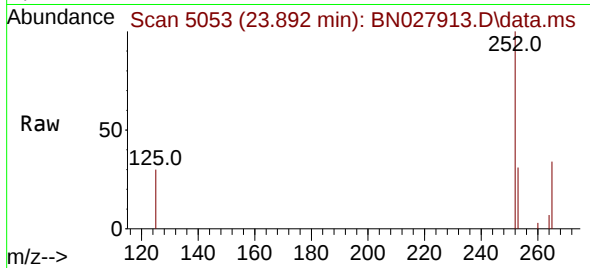
Tgt Ion:252 Resp: 11738
Ion Ratio Lower Upper
252 100
253 37.1 19.9 29.9#
125 40.8 12.6 19.0#





#26
Benzo(a)pyrene
Concen: 0.292 ng/ul
RT: 23.892 min Scan# 5053
Delta R.T. -0.003 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

Instrument :
BNA_N
ClientSampleId :
EZY8DL



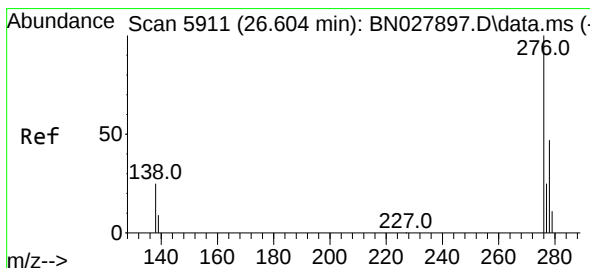
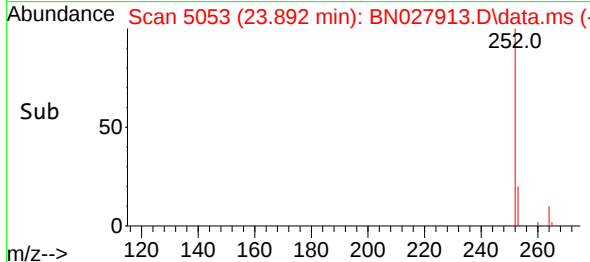
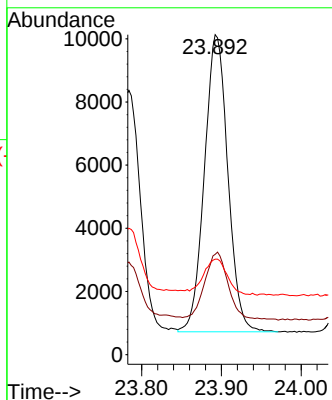
Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	21.9	32.9
125	29.8	15.5	23.3

Manual Integrations
APPROVED

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

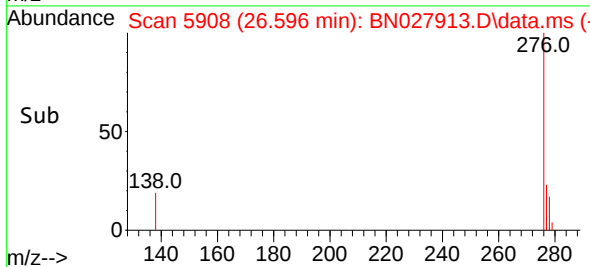
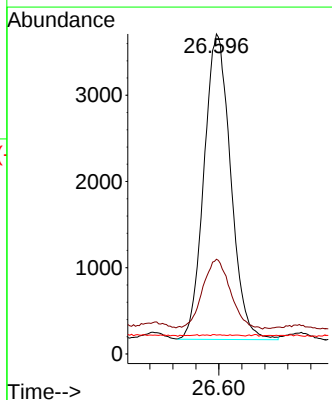
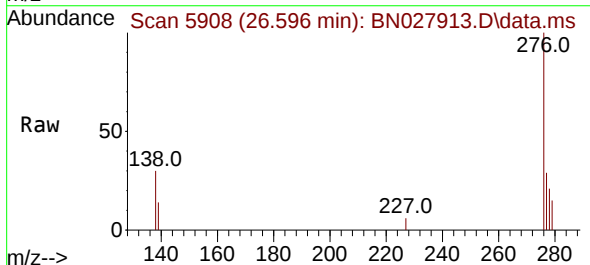
09/28/2023
Supervised By :mohammad
ahmed

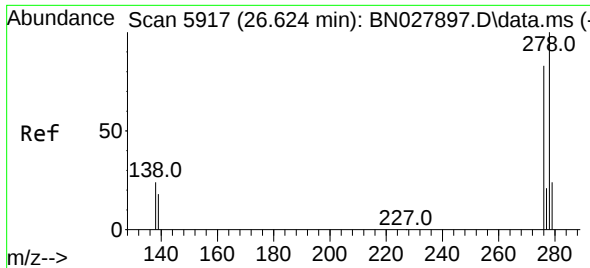
09/28/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.135 ng/ul
RT: 26.596 min Scan# 5908
Delta R.T. -0.003 min
Lab File: BN027913.D
Acq: 27 Sep 2023 23:24

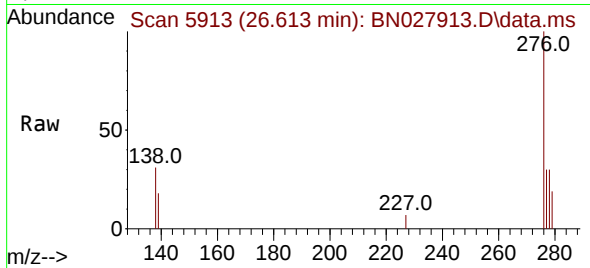
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	24.3	36.5#
227	0.1	0.0	0.0#





#28
 Dibenzo(a,h)anthracene
 Concen: 0.045 ng/ul
 RT: 26.613 min Scan# 5917
 Delta R.T. -0.010 min
 Lab File: BN027913.D
 Acq: 27 Sep 2023 23:24

Instrument :
 BNA_N
 ClientSampleId :
 EZYM8DL



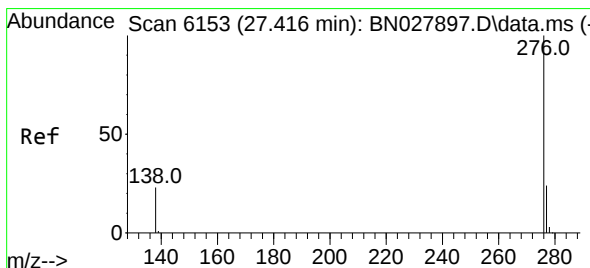
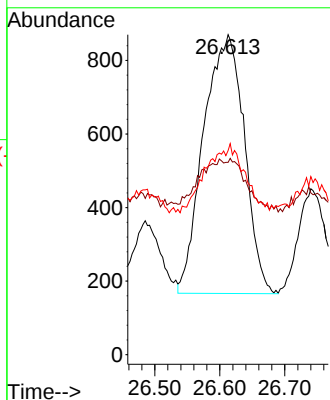
Tgt Ion:278 Resp: 306
 Ion Ratio Lower Upper
 278 100
 139 60.1 17.2 25.8
 279 63.8 21.4 32.0

Manual Integrations
 APPROVED

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

09/28/2023
 Supervised By :mohammad
 ahmed

09/28/2023



#29
 Benzo(g,h,i)perylene
 Concen: 0.158 ng/ul
 RT: 27.407 min Scan# 6150
 Delta R.T. -0.003 min
 Lab File: BN027913.D
 Acq: 27 Sep 2023 23:24

Tgt Ion:276 Resp: 11291
 Ion Ratio Lower Upper
 276 100
 138 31.5 21.7 32.5
 277 28.8 20.2 30.2

