

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071223\
 Data File : BM040846.D
 Acq On : 12 Jul 2023 21:09
 Operator : MA/JU
 Sample : 03414-16DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46E6DL

Manual Integrations
 APPROVED

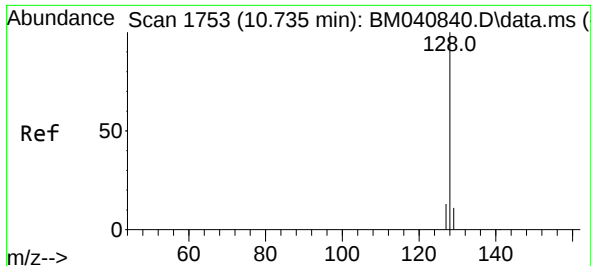
Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

Quant Time: Jul 13 00:14:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 05:37:29 2023
 Response via : Initial Calibration

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

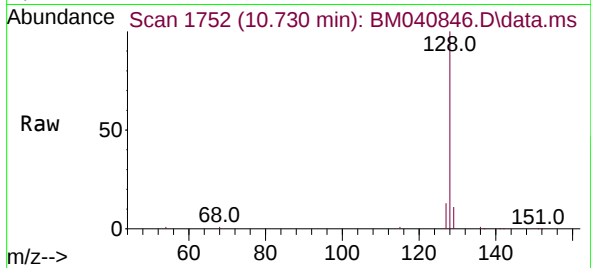
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.878	152	3367	0.400	ng/ul	0.00
4) Naphthalene-d8	10.680	136	12182	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.523	164	5724	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.274	188	11654	0.400	ng/ul	-0.02
17) Chrysene-d12	21.463	240	7862	0.400	ng/ul	-0.02
23) Perylene-d12	23.848	264	7427	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.296	96	1036	0.196	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.275	152	218	0.013	ng/ul	-0.01
18) Fluoranthene-d10	19.301	212	345	0.014	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.730	128	49176	1.464	ng/ul	100
7) 2-Methylnaphthalene	12.346	142	8538	0.433	ng/ul	100
8) 1-Methylnaphthalene	12.566	142	5704	0.289	ng/ul	99
10) Acenaphthylene	14.245	152	4821	0.189	ng/ul#	90
11) Acenaphthene	14.583	153	86548	4.008	ng/ul	97
12) Fluorene	15.573	166	49332	2.140	ng/ul	99
15) Phenanthrene	17.316	178	611839	16.902	ng/ul	98
16) Anthracene	17.409	178	109142	3.588	ng/ul	99
19) Fluoranthene	19.334	202	771180	23.092	ng/ul	95
20) Pyrene	19.696	202	633563	17.695	ng/ul	98
21) Benzo(a)anthracene	21.448	228	284694	10.705	ng/ul	98
22) Chrysene	21.501	228	257024	8.473	ng/ul	97
24) Benzo(b)fluoranthene	23.123	252	286953	9.984	ng/ul	88
25) Benzo(k)fluoranthene	23.161	252	131674m	4.648	ng/ul	
26) Benzo(a)pyrene	23.743	252	188685	7.288	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.317	276	128637	3.568	ng/ul	90
28) Dibenzo(a,h)anthracene	26.327	278	30937	1.096	ng/ul	95
29) Benzo(g,h,i)perylene	27.078	276	17256	0.546	ng/ul#	93

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



#5
Naphthalene
Concen: 1.464 ng/ul
RT: 10.730 min Scan# 1753
Delta R.T. -0.011 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

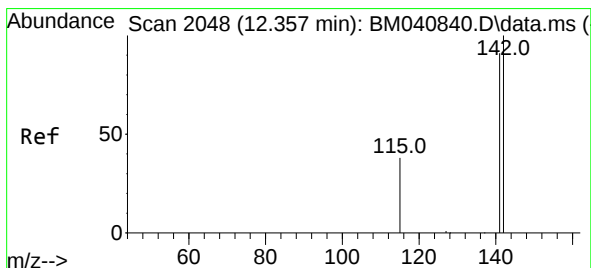
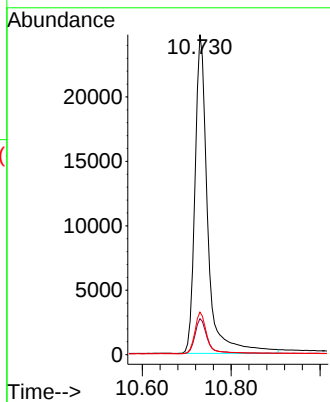
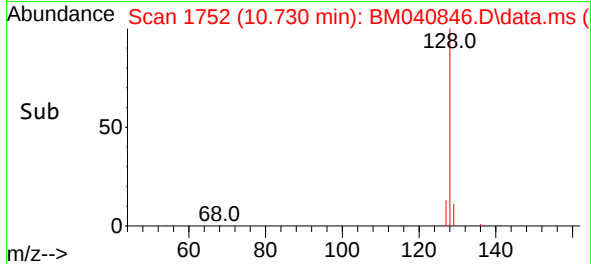
Instrument :
BNA_M
ClientSampleId :
A46E6DL



Tgt Ion:128 Resp: 49170
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.3 10.6 15.8

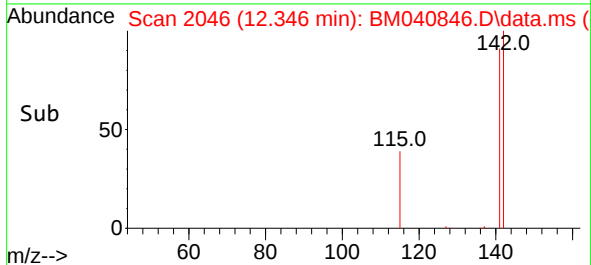
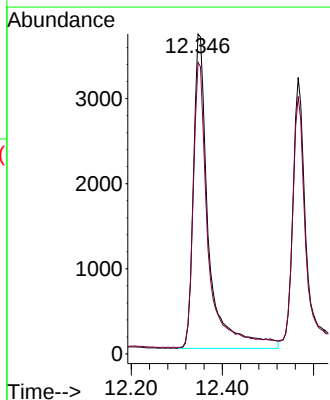
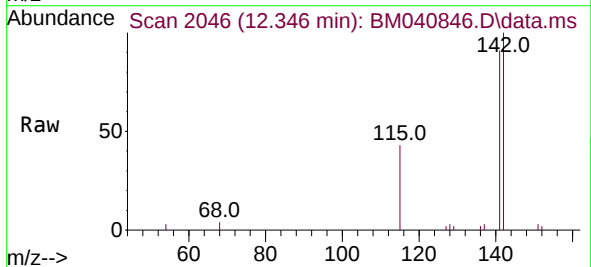
Manual Integrations
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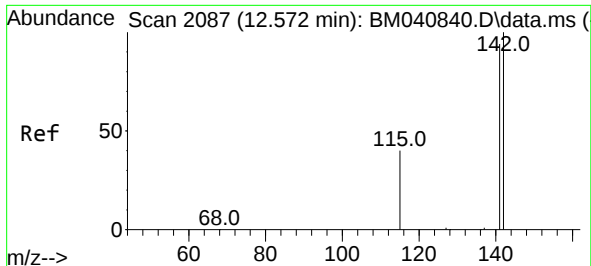
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#7
2-Methylnaphthalene
Concen: 0.433 ng/ul
RT: 12.346 min Scan# 2046
Delta R.T. -0.011 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

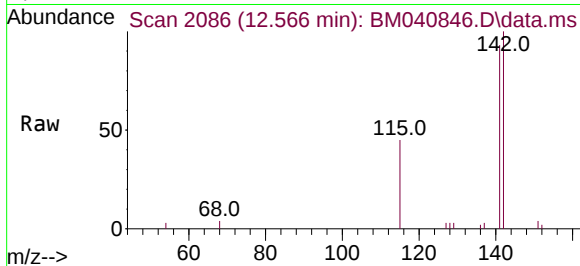
Tgt Ion:142 Resp: 8538
Ion Ratio Lower Upper
142 100
141 90.1 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.289 ng/ul
RT: 12.566 min Scan# 2086
Delta R.T. -0.011 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

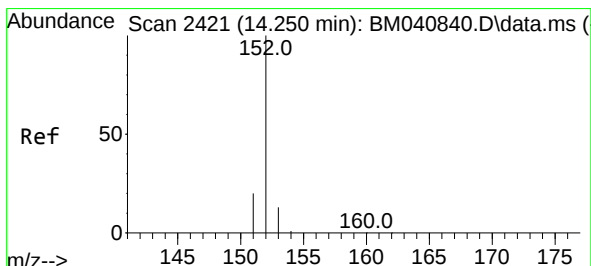
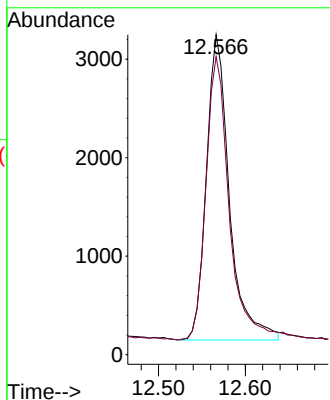
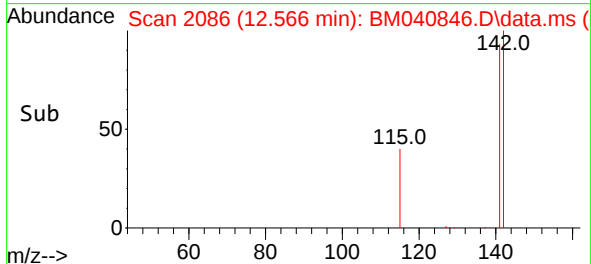
Instrument :
BNA_M
ClientSampleId :
A46E6DL



Tgt Ion:142 Resp: 5704
Ion Ratio Lower Upper
142 100
141 93.5 73.7 110.5

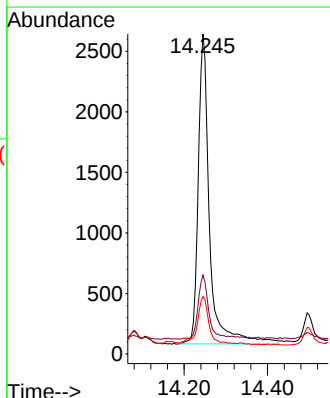
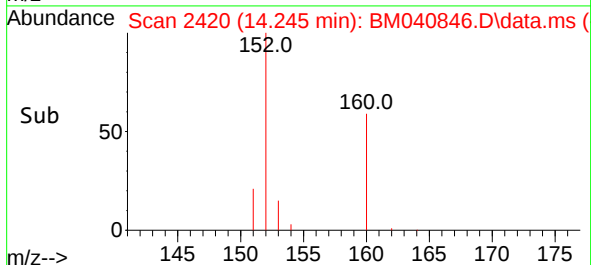
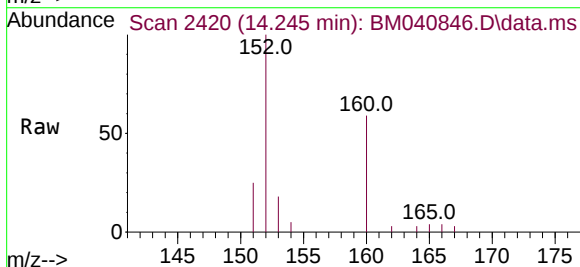
Manual Integrations
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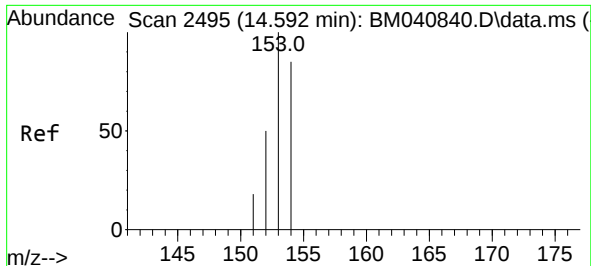
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#10
Acenaphthylene
Concen: 0.189 ng/ul
RT: 14.245 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

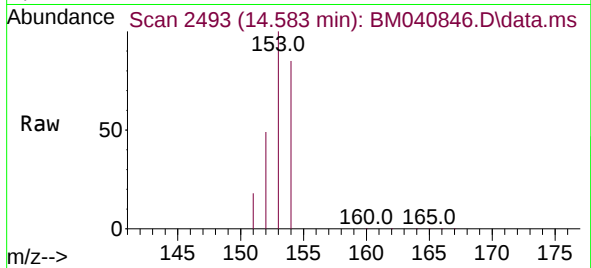
Tgt Ion:152 Resp: 4821
Ion Ratio Lower Upper
152 100
151 24.7 16.2 24.2#
153 18.0 10.9 16.3#





#11
Acenaphthene
Concen: 4.008 ng/ul
RT: 14.583 min Scan# 2495
Delta R.T. -0.014 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

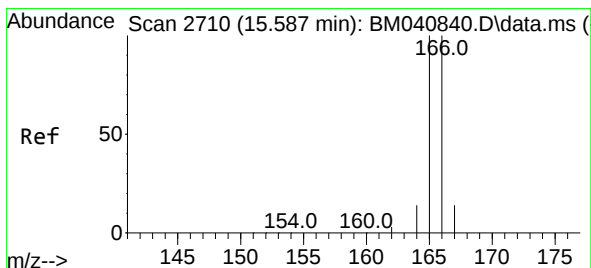
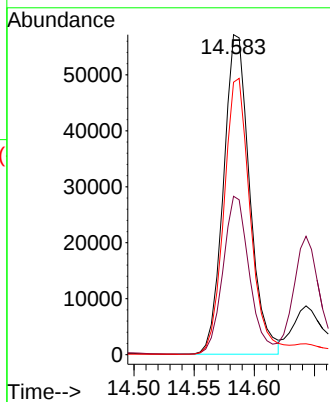
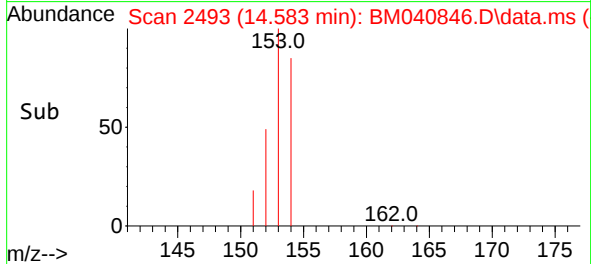
Instrument :
BNA_M
ClientSampleId :
A46E6DL



Tgt Ion:153 Resp: 86548
Ion Ratio Lower Upper
153 100
152 49.5 41.0 61.4
154 85.2 70.8 106.2

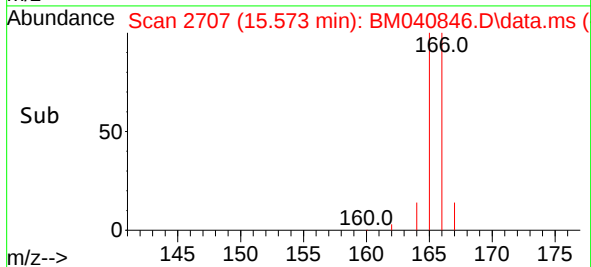
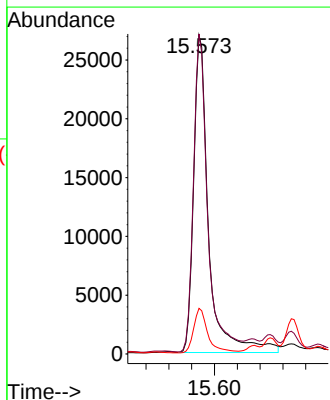
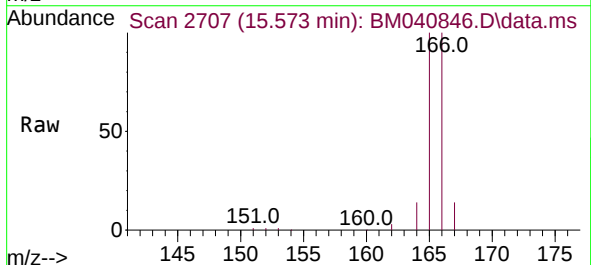
Manual Integrations
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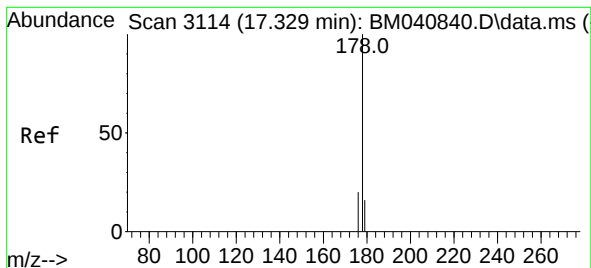
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#12
Fluorene
Concen: 2.140 ng/ul
RT: 15.573 min Scan# 2707
Delta R.T. -0.018 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

Tgt Ion:166 Resp: 49332
Ion Ratio Lower Upper
166 100
165 100.5 79.6 119.4
167 14.3 11.4 17.0





#15

Phenanthrene

Concen: 16.902 ng/uI

RT: 17.316 min Scan# 3111

Delta R.T. -0.017 min

Lab File: BM040846.D

Acq: 12 Jul 2023 21:09

Instrument :

BNA_M

ClientSampleId :

A46E6DL

Tgt Ion:178 Resp: 611839

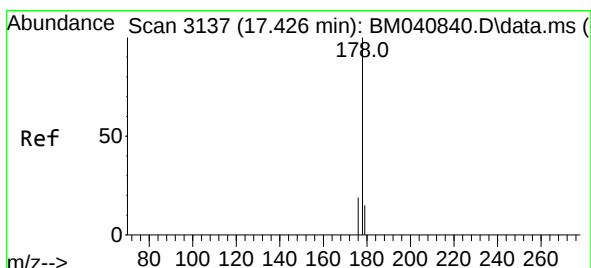
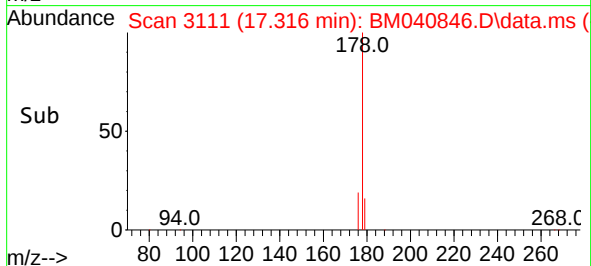
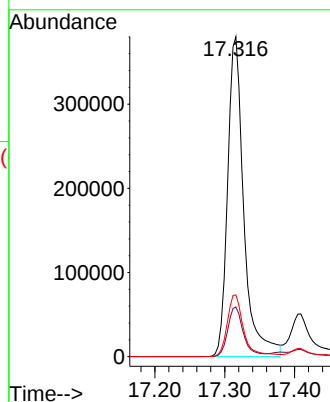
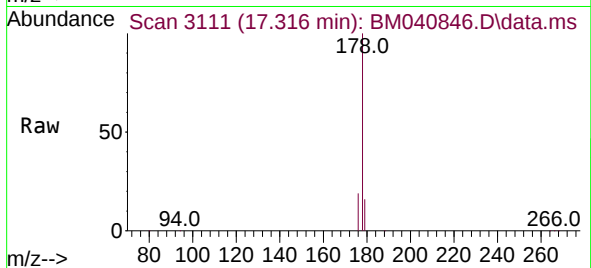
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2
176	19.3	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#16

Anthracene

Concen: 3.588 ng/uI

RT: 17.409 min Scan# 3133

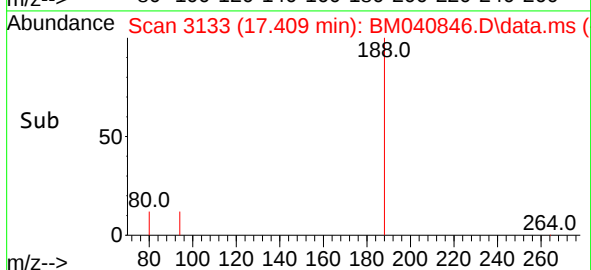
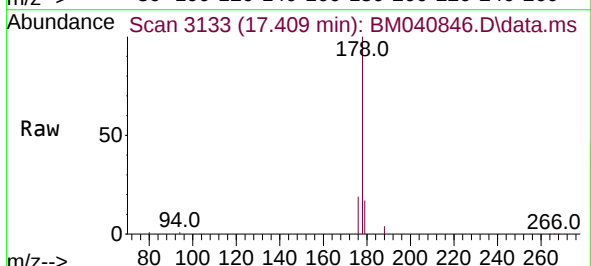
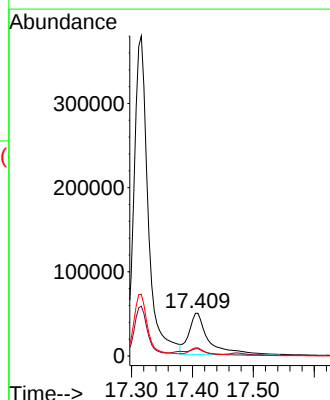
Delta R.T. -0.021 min

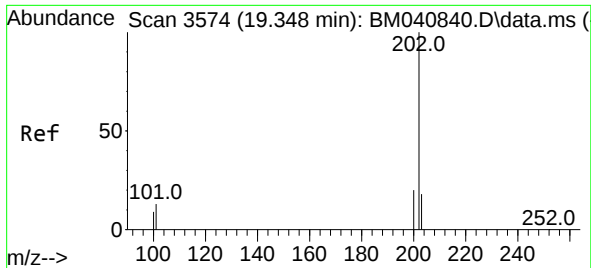
Lab File: BM040846.D

Acq: 12 Jul 2023 21:09

Tgt Ion:178 Resp: 109142

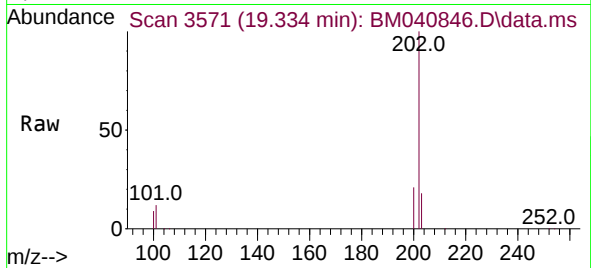
Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.9	19.3
176	19.0	15.8	23.6





#19
Fluoranthene
Concen: 23.092 ng/ul
RT: 19.334 min Scan# 3571
Delta R.T. -0.019 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

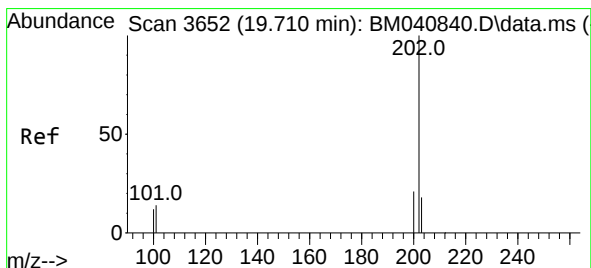
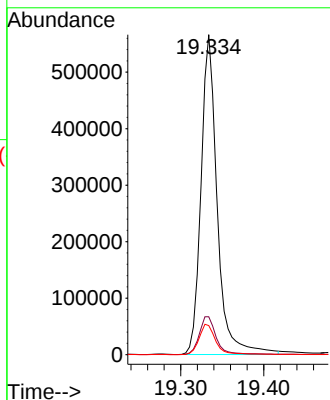
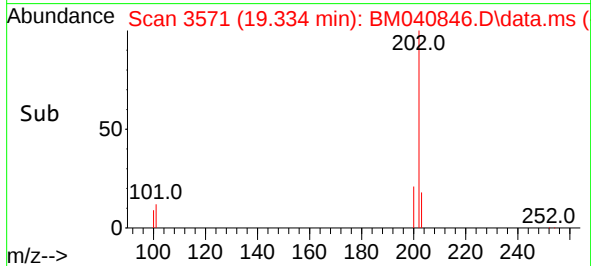
Instrument :
BNA_M
ClientSampleId :
A46E6DL



Tgt Ion:202 Resp: 771180
Ion Ratio Lower Upper
202 100
101 11.8 11.4 17.0
100 9.1 8.7 13.1

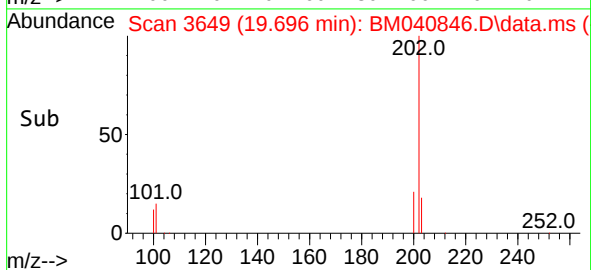
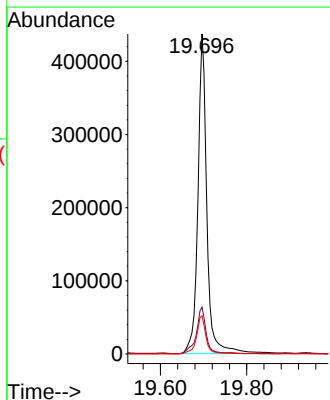
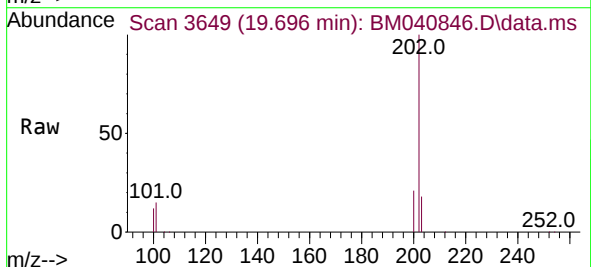
Manual Integrations
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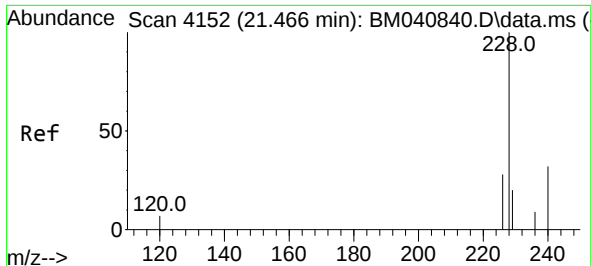
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#20
Pyrene
Concen: 17.695 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.014 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

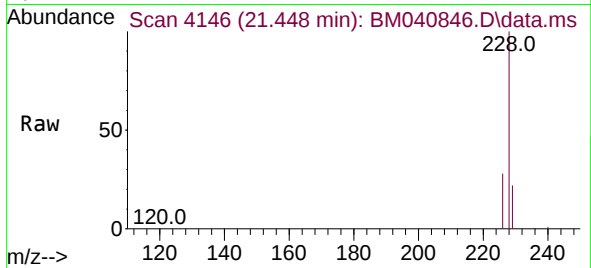
Tgt Ion:202 Resp: 633563
Ion Ratio Lower Upper
202 100
101 14.6 12.6 18.8
100 11.9 9.8 14.6





#21
Benzo(a)anthracene
Concen: 10.705 ng/u1
RT: 21.448 min Scan# 4152
Delta R.T. -0.020 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

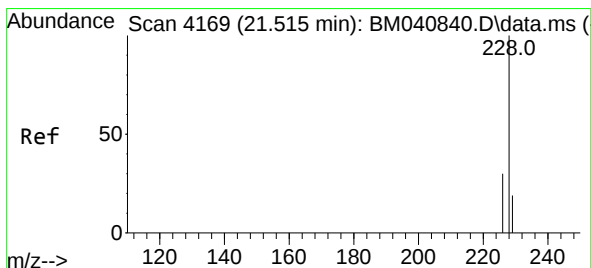
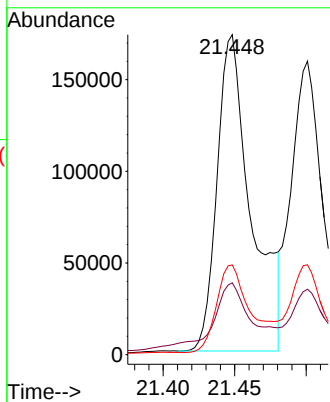
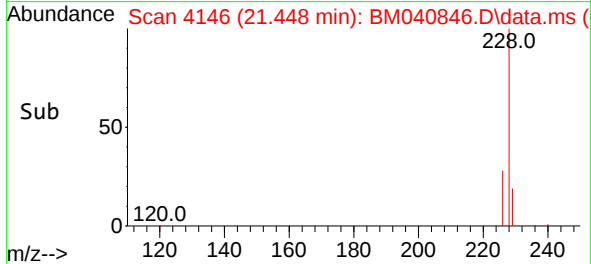
Instrument :
BNA_M
ClientSampleId :
A46E6DL



Tgt Ion:228 Resp: 284694
Ion Ratio Lower Upper
228 100
229 22.4 16.0 24.0
226 28.0 22.3 33.5

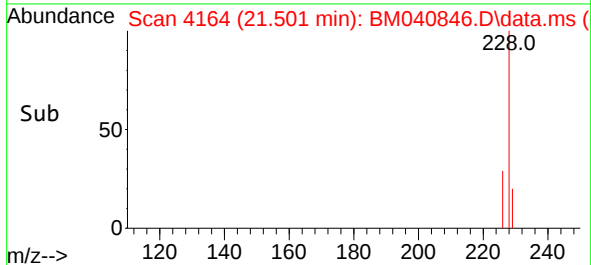
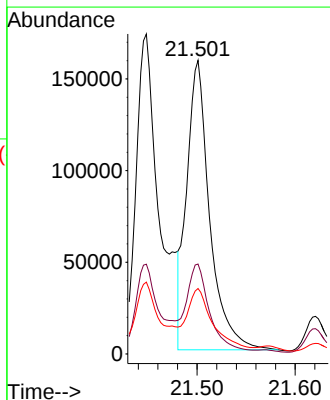
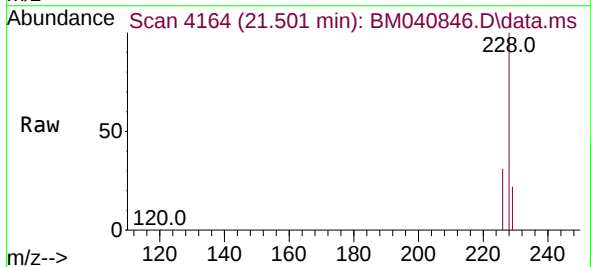
Manual Integrations
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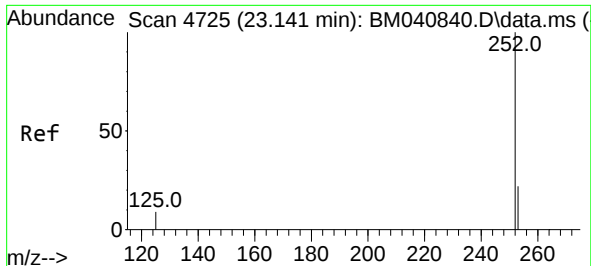
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#22
Chrysene
Concen: 8.473 ng/u1
RT: 21.501 min Scan# 4164
Delta R.T. -0.015 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

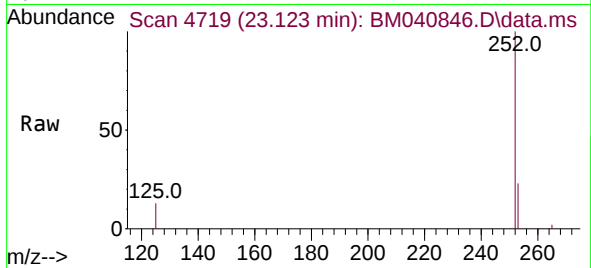
Tgt Ion:228 Resp: 257024
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 9.984 ng/ul
RT: 23.123 min Scan# 4719
Delta R.T. -0.020 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

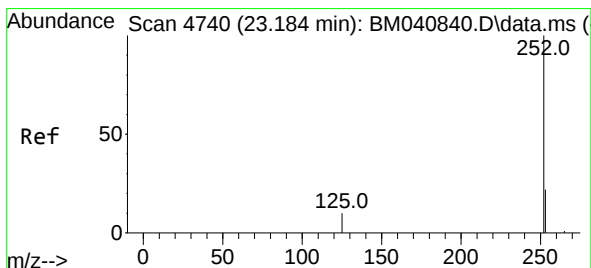
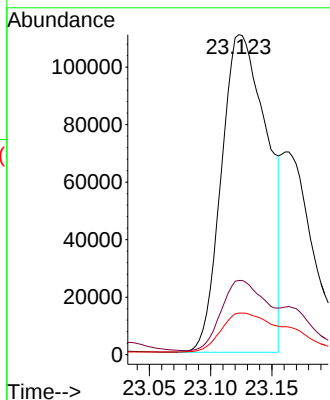
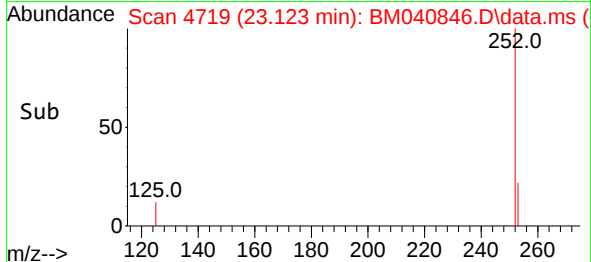
Instrument :
BNA_M
ClientSampleId :
A46E6DL



Tgt Ion:252 Resp: 28695
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 13.0 0.0 43.0

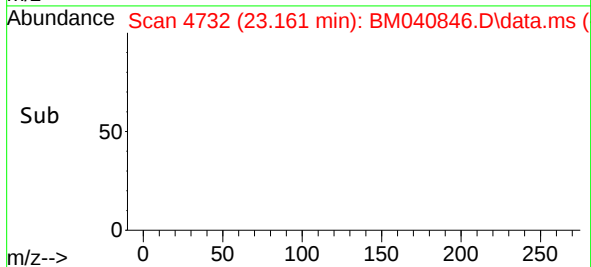
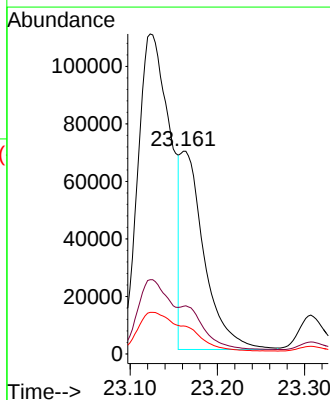
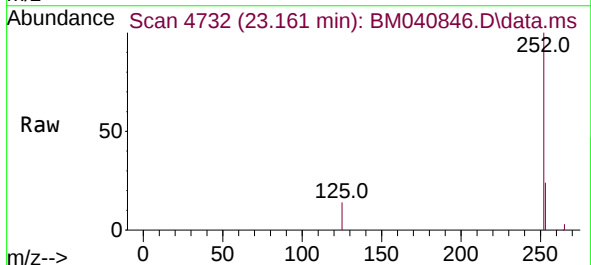
Manual Integrations
APPROVED

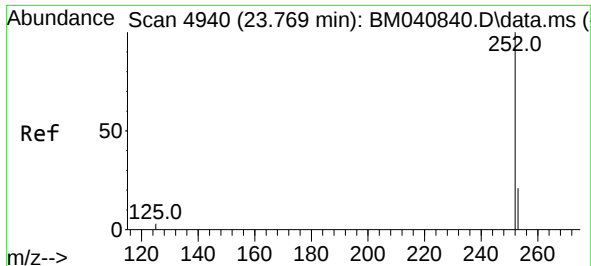
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#25
Benzo(k)fluoranthene
Concen: 4.648 ng/ul m
RT: 23.161 min Scan# 4732
Delta R.T. -0.029 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

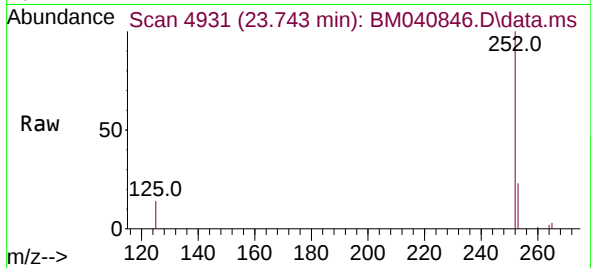
Tgt Ion:252 Resp: 131674
Ion Ratio Lower Upper
252 100
253 23.6 21.2 31.8
125 13.8 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 7.288 ng/ul
RT: 23.743 min Scan# 4940
Delta R.T. -0.029 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

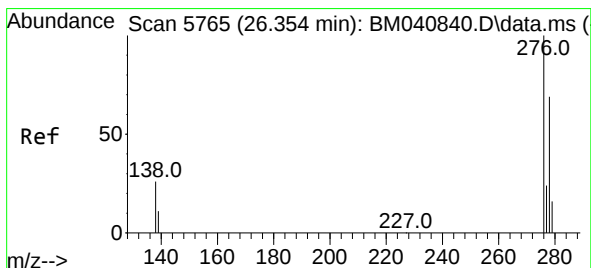
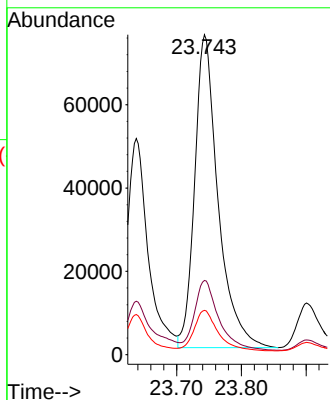
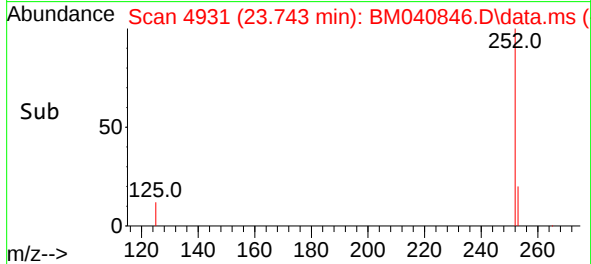
Instrument :
BNA_M
ClientSampleId :
A46E6DL



Tgt Ion:252 Resp: 188685
Ion Ratio Lower Upper
252 100
253 23.2 22.9 34.3
125 13.9 21.0 31.4

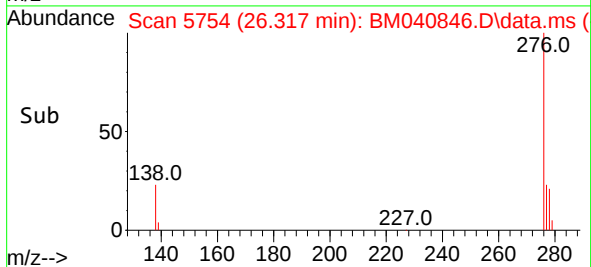
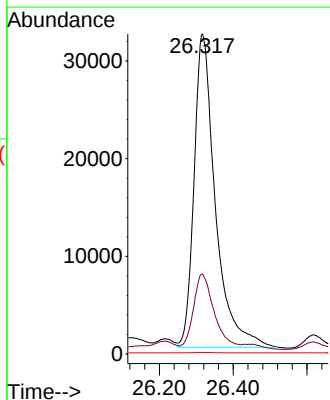
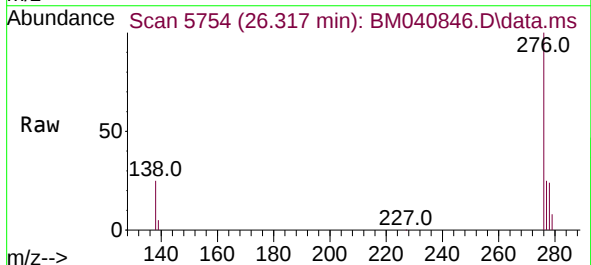
Manual Integrations
APPROVED

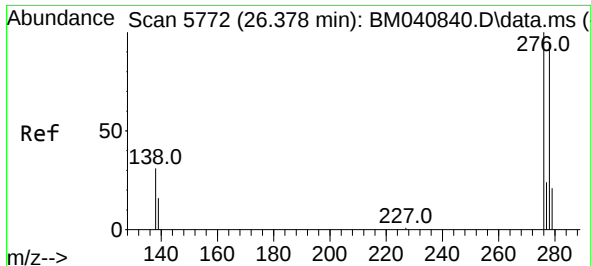
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 3.568 ng/ul
RT: 26.317 min Scan# 5754
Delta R.T. -0.047 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

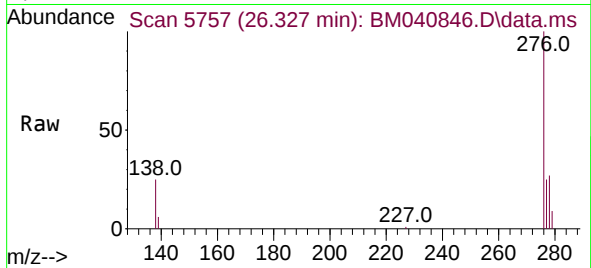
Tgt Ion:276 Resp: 128637
Ion Ratio Lower Upper
276 100
138 25.0 24.5 36.7
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.096 ng/ul
RT: 26.327 min Scan# 51
Delta R.T. -0.047 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09

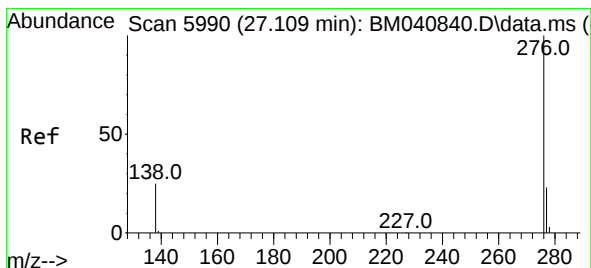
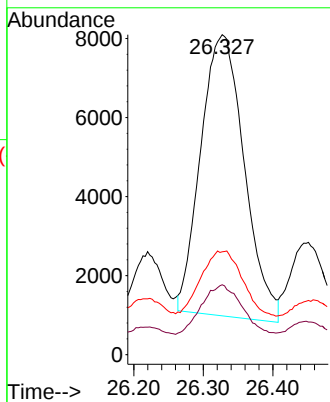
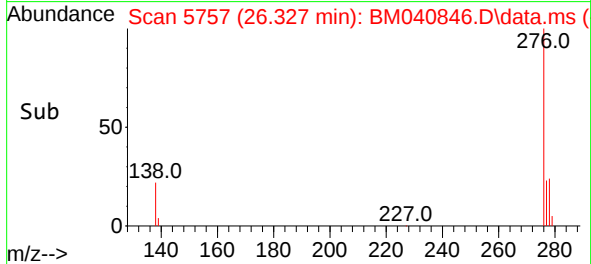
Instrument :
BNA_M
ClientSampleId :
A46E6DL



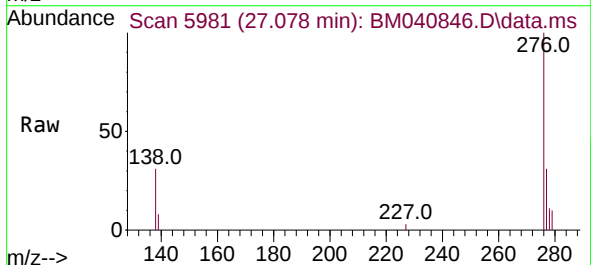
Tgt Ion:278 Resp: 3093
Ion Ratio Lower Upper
278 100
139 21.8 17.9 26.9
279 32.2 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#29
Benzo(g,h,i)perylene
Concen: 0.546 ng/ul
RT: 27.078 min Scan# 5981
Delta R.T. -0.034 min
Lab File: BM040846.D
Acq: 12 Jul 2023 21:09



Tgt Ion:276 Resp: 17256
Ion Ratio Lower Upper
276 100
138 31.2 23.0 34.6
277 30.8 20.3 30.5#

