

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
 Data File : BM040864.D
 Acq On : 14 Jul 2023 00:19
 Operator : MA/JU
 Sample : 03418-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4643

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2023
 Supervised By :mohammad ahmed 07/17/2023

Quant Time: Jul 14 03:18:30 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 : Fri Jul 14 03:14:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	4861	0.400	ng/ul	0.00
4) Naphthalene-d8	10.664	136	16744	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.509	164	8024	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.286	188	32931m	0.400	ng/ul	0.02
17) Chrysene-d12	21.451	240	11130	0.400	ng/ul	# 0.00
23) Perylene-d12	23.830	264	12496	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	22513	2.948	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	5329	0.227	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	8345	0.234	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.713	128	60507	1.310	ng/ul	100
7) 2-Methylnaphthalene	12.330	142	19728	0.727	ng/ul	99
8) 1-Methylnaphthalene	12.550	142	14881	0.549	ng/ul	97
10) Acenaphthylene	14.231	152	6064	0.169	ng/ul#	73
11) Acenaphthene	14.569	153	91300	3.016	ng/ul	97
12) Fluorene	15.559	166	94599	2.927	ng/ul	99
15) Phenanthrene	17.303	178	1036424	10.132	ng/ul	99
16) Anthracene	17.392	178	183870	2.139	ng/ul	100
19) Fluoranthene	19.324	202	1086027	22.971	ng/ul#	93
20) Pyrene	19.687	202	588543	11.611	ng/ul	96
21) Benzo(a)anthracene	21.434	228	370710	9.847	ng/ul	99
22) Chrysene	21.486	228	349396	8.136	ng/ul	98
24) Benzo(b)fluoranthene	23.108	252	413223	8.545	ng/ul	89
25) Benzo(k)fluoranthene	23.149	252	154197m	3.235	ng/ul	
26) Benzo(a)pyrene	23.725	252	118365	2.717	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.284	276	104931	1.730	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.297	278	45677	0.962	ng/ul	98
29) Benzo(g,h,i)perylene	27.048	276	5974	0.112	ng/ul#	62

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

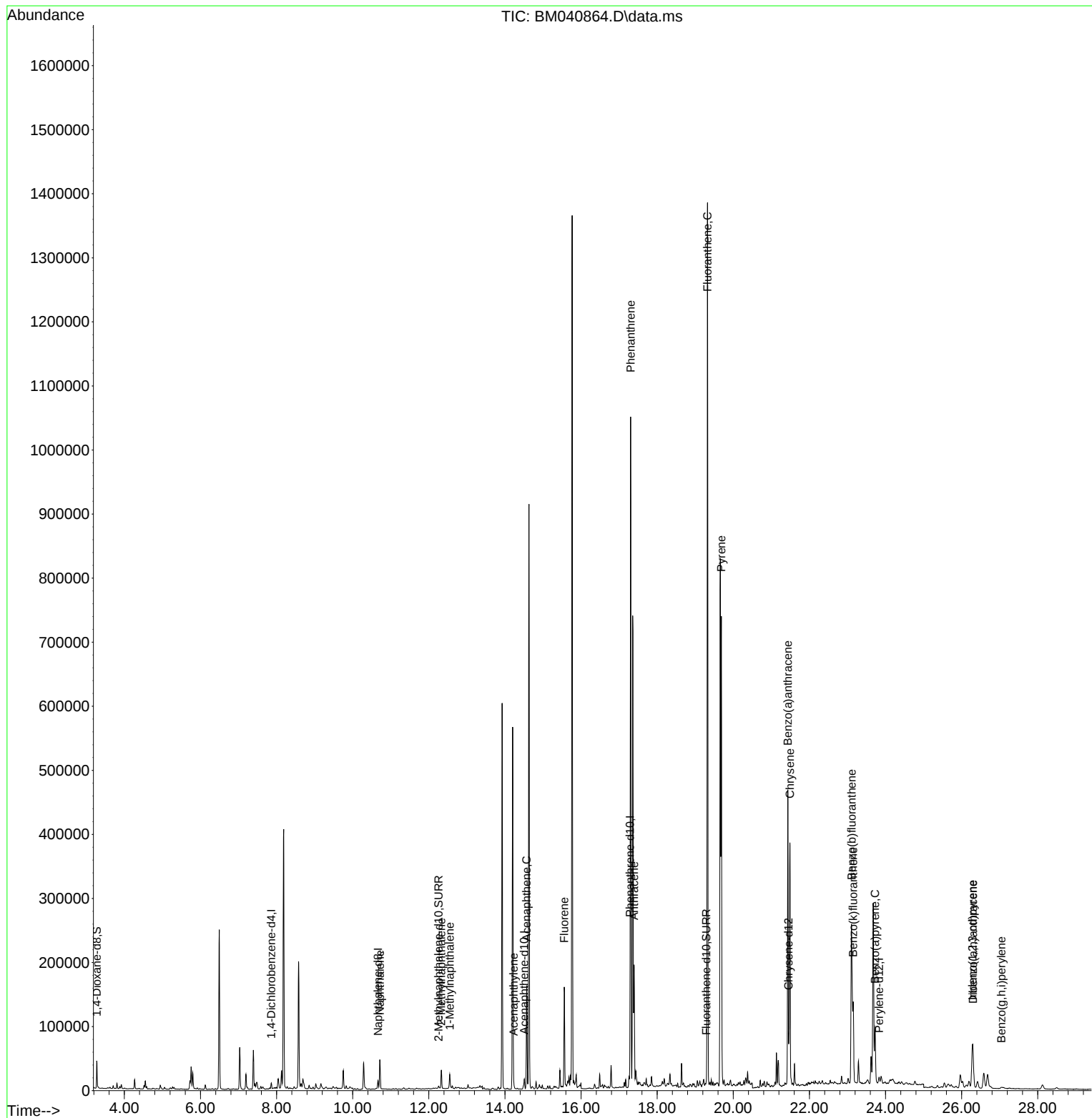
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
Data File : BM040864.D
Acq On : 14 Jul 2023 00:19
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ALS Vial : 16 Sample Multiplier: 1

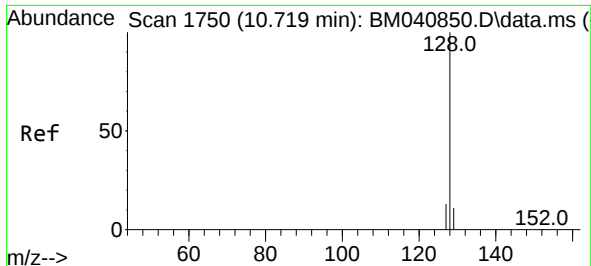
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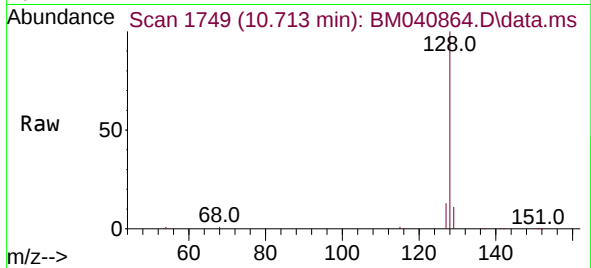
Quant Time: Jul 14 03:18:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 03:14:53 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 1.310 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

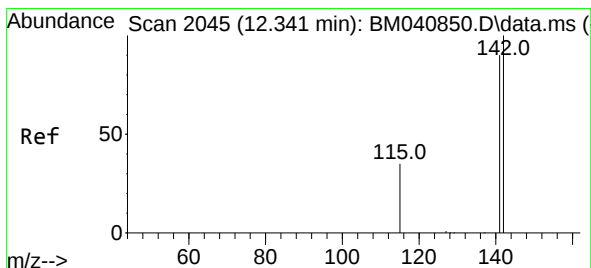
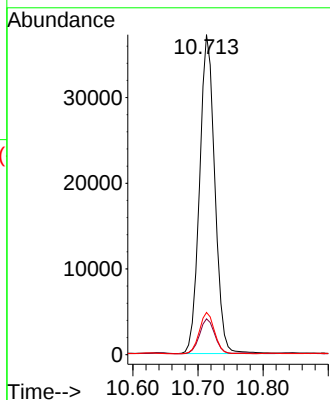
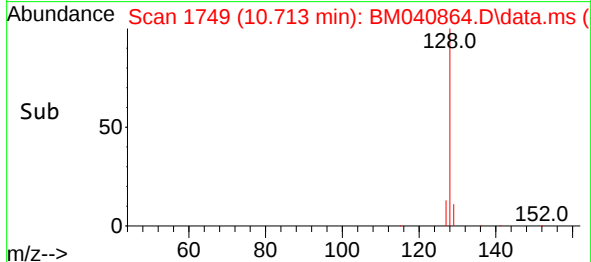
Instrument :
BNA_M
ClientSampleId :
A4643



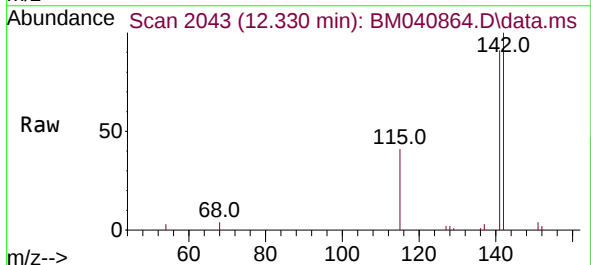
Tgt Ion:128 Resp: 6050
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.2 10.6 15.8

Manual Integrations
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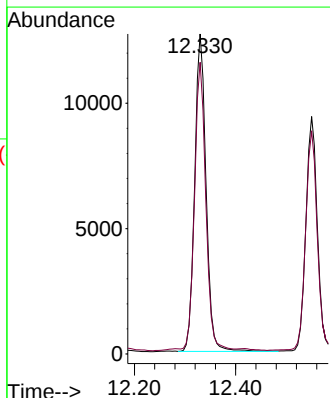
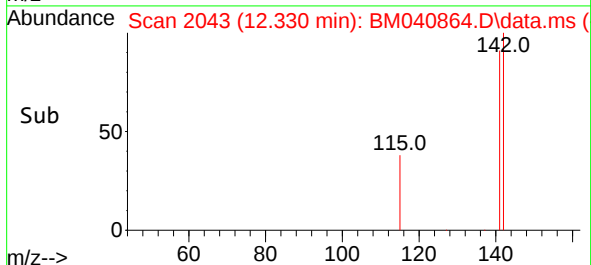
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023

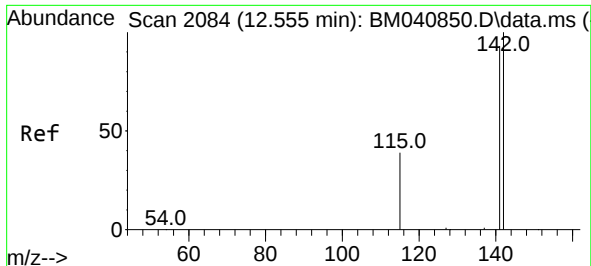


#7
2-Methylnaphthalene
Concen: 0.727 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.011 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19



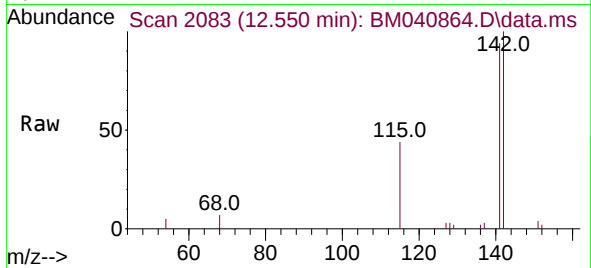
Tgt Ion:142 Resp: 19728
Ion Ratio Lower Upper
142 100
141 90.7 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.549 ng/ul
RT: 12.550 min Scan# 2084
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

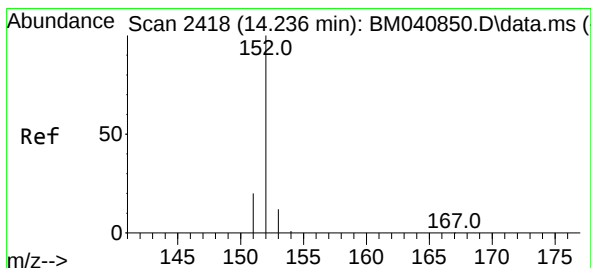
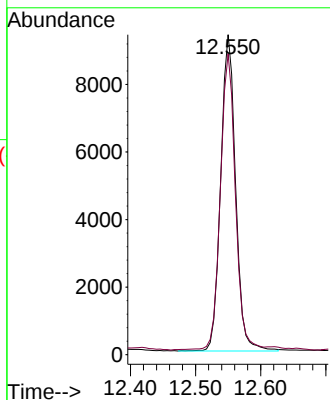
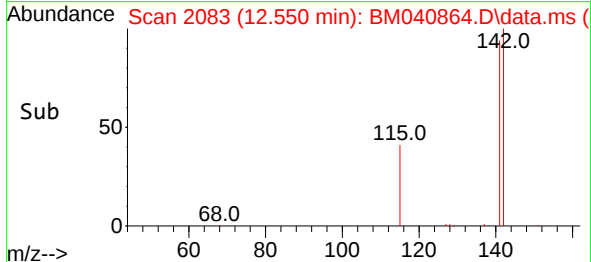
Instrument :
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A4643



Tgt Ion:142 Resp: 1488
Ion Ratio Lower Upper
142 100
141 95.4 73.7 110.5

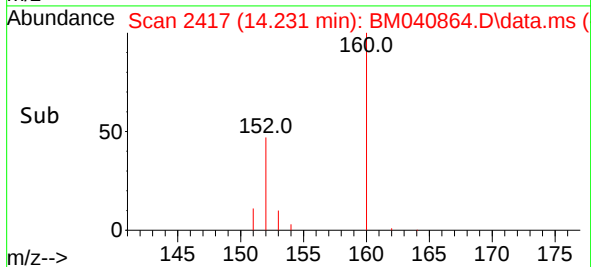
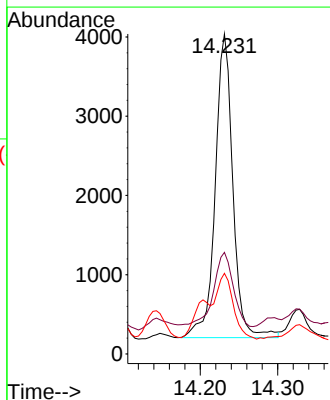
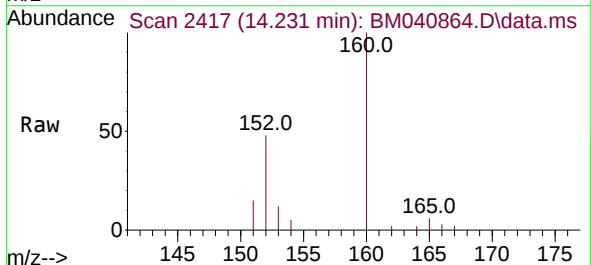
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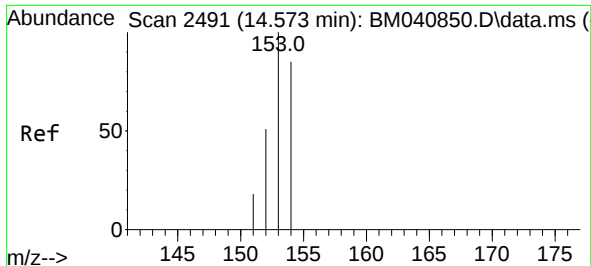
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023



#10
Acenaphthylene
Concen: 0.169 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

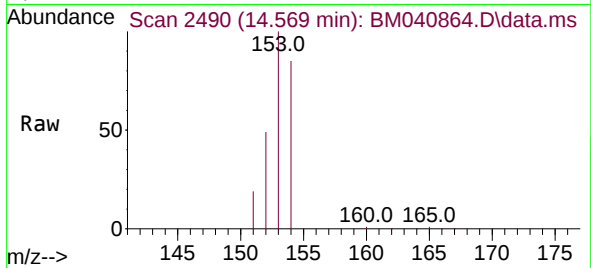
Tgt Ion:152 Resp: 6064
Ion Ratio Lower Upper
152 100
151 31.8 16.2 24.2#
153 25.2 10.9 16.3#





#11
Acenaphthene
Concen: 3.016 ng/ul
RT: 14.569 min Scan# 2491
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

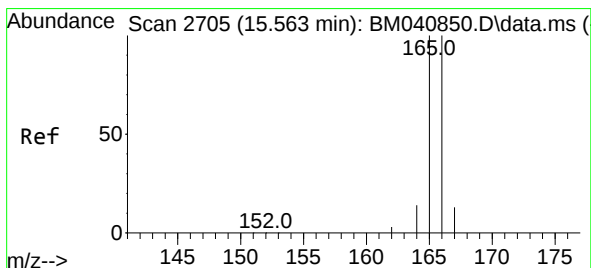
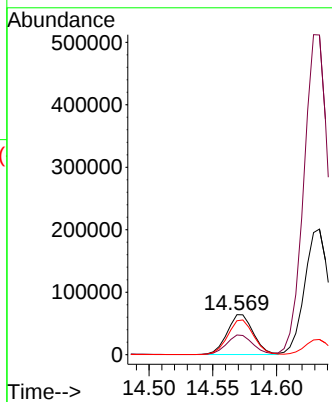
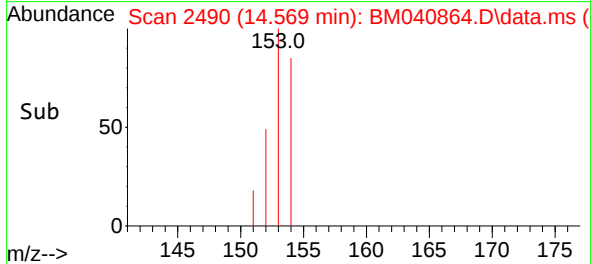
Instrument :
BNA_M
ClientSampleId :
A4643



Tgt Ion:153 Resp: 91300
Ion Ratio Lower Upper
153 100
152 49.5 41.0 61.4
154 85.0 70.8 106.2

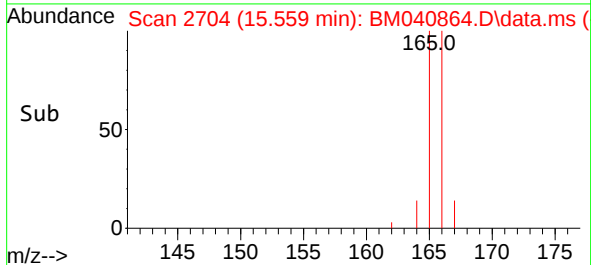
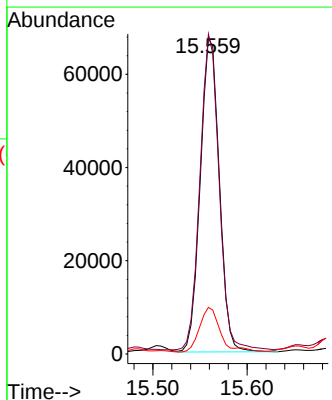
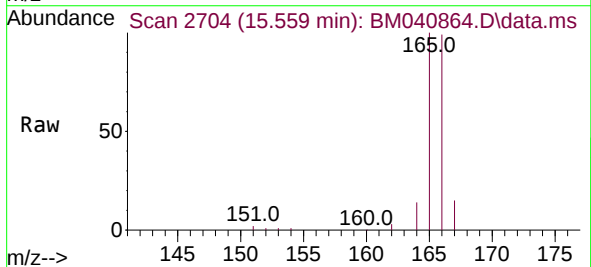
Manual Integrations
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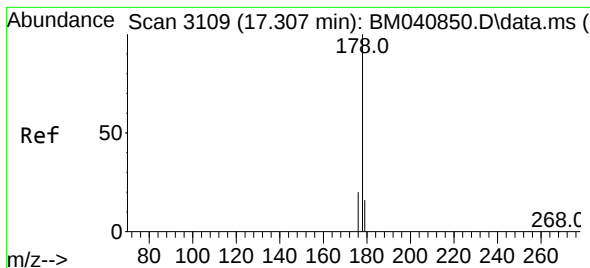
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023



#12
Fluorene
Concen: 2.927 ng/ul
RT: 15.559 min Scan# 2704
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

Tgt Ion:166 Resp: 94599
Ion Ratio Lower Upper
166 100
165 101.0 79.6 119.4
167 14.7 11.4 17.0





#15

Phenanthrene

Concen: 10.132 ng/uI

RT: 17.303 min Scan# 3108

Delta R.T. -0.004 min

Lab File: BM040864.D

Acq: 14 Jul 2023 00:19

Instrument :

BNA_M

ClientSampleId :

A4643

Tgt Ion:178 Resp: 1036424

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

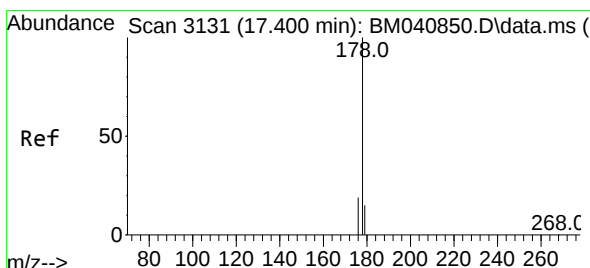
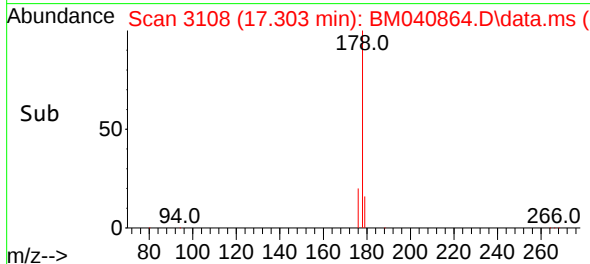
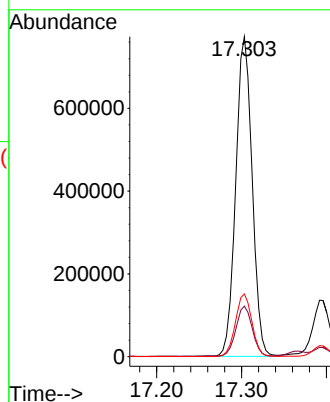
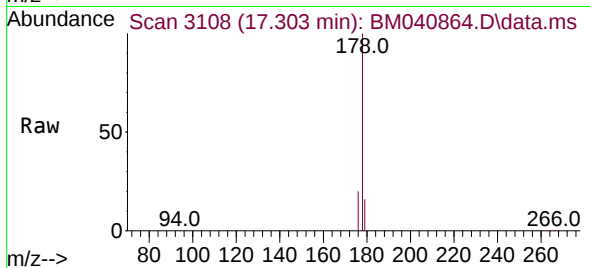
176 19.6 16.4 24.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/17/2023

Supervised By :mohammad ahmed 07/17/2023



#16

Anthracene

Concen: 2.139 ng/uI

RT: 17.392 min Scan# 3129

Delta R.T. -0.008 min

Lab File: BM040864.D

Acq: 14 Jul 2023 00:19

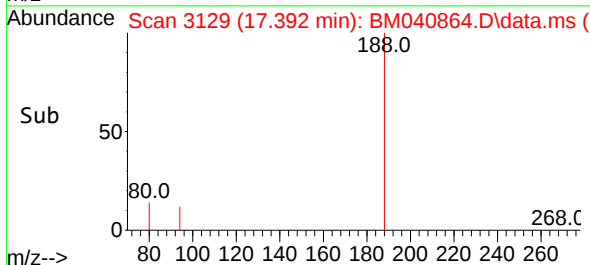
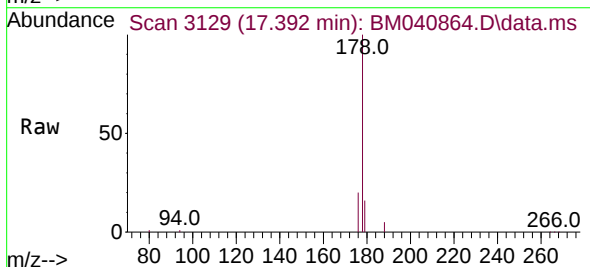
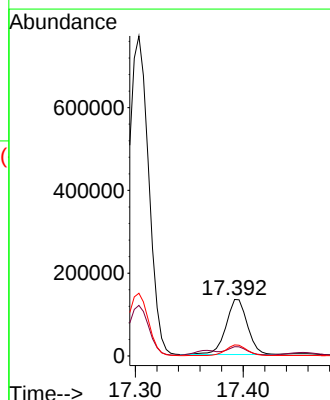
Tgt Ion:178 Resp: 183870

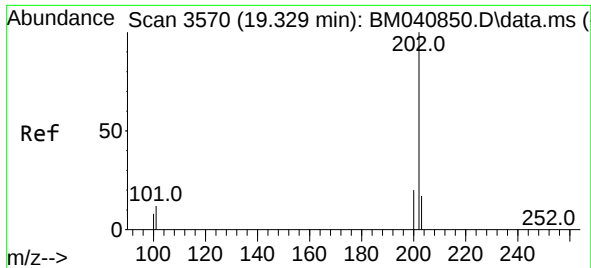
Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

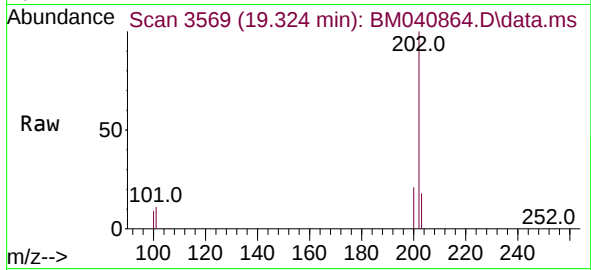
176 19.6 15.8 23.6





#19
Fluoranthene
Concen: 22.971 ng/ul
RT: 19.324 min Scan# 3569
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

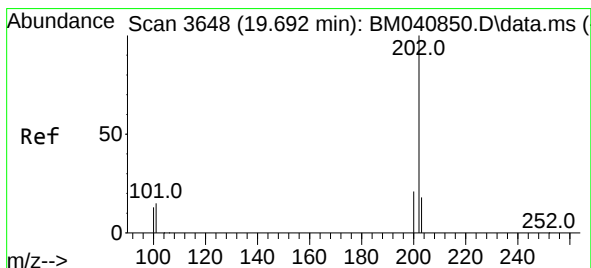
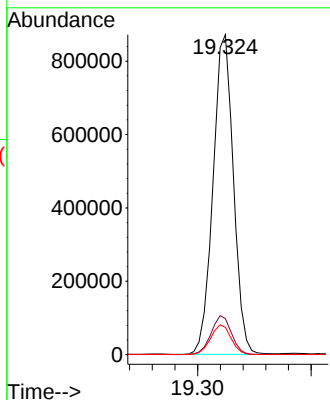
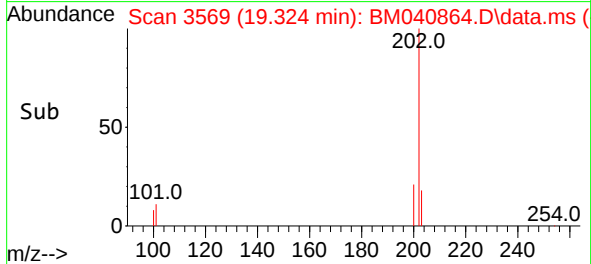
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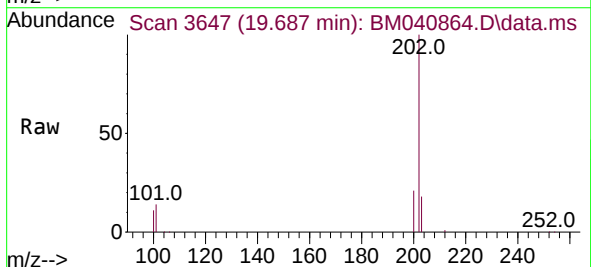
Tgt Ion:202 Resp: 108602
Ion Ratio Lower Upper
202 100
101 11.3 11.4 17.0
100 8.6 8.7 13.1

Manual Integrations
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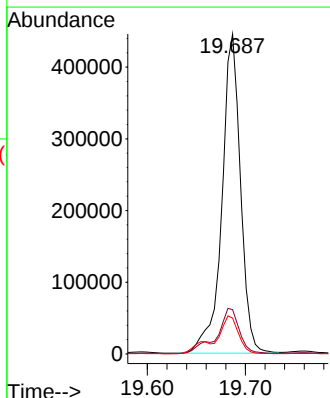
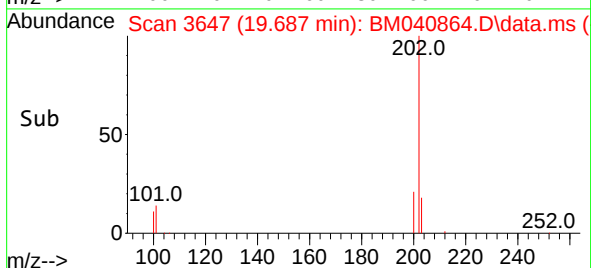
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Supervised By :mohammad ahmed 07/17/2023

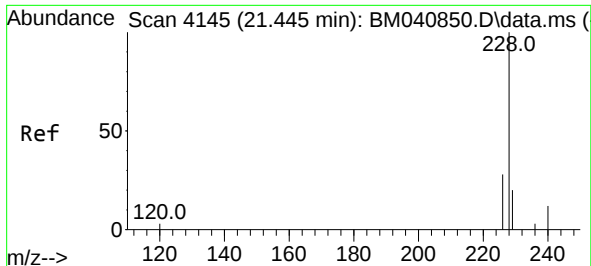


#20
Pyrene
Concen: 11.611 ng/ul
RT: 19.687 min Scan# 3647
Delta R.T. -0.005 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19



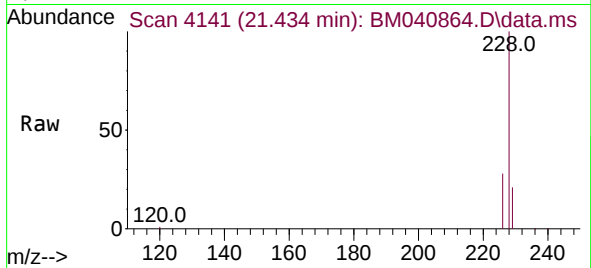
Tgt Ion:202 Resp: 588543
Ion Ratio Lower Upper
202 100
101 13.9 12.6 18.8
100 11.2 9.8 14.6





#21
Benzo(a)anthracene
Concen: 9.847 ng/ul
RT: 21.434 min Scan# 4145
Delta R.T. -0.012 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

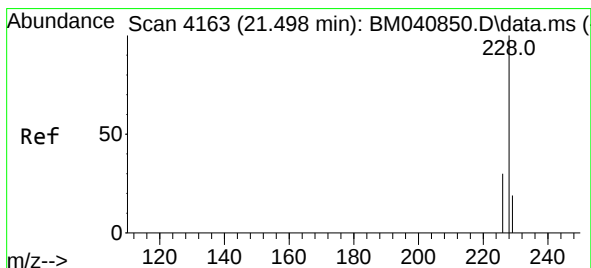
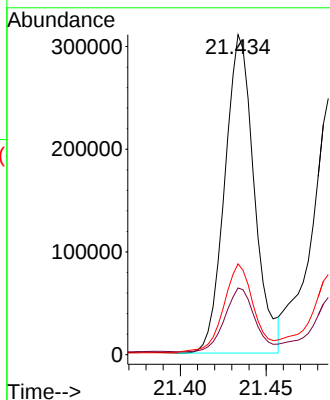
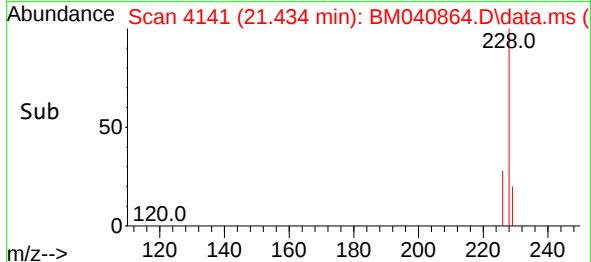
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Tgt Ion:228 Resp: 370710
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.4 22.3 33.5

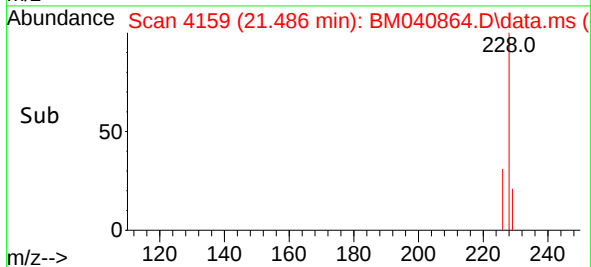
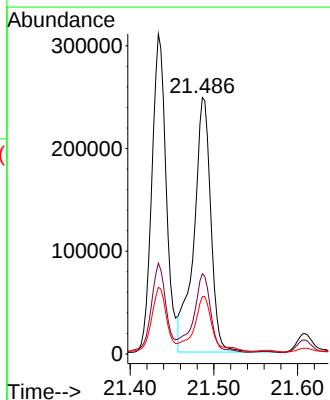
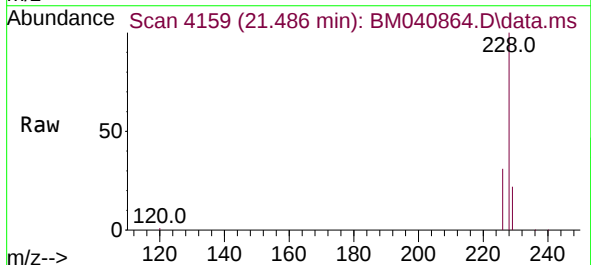
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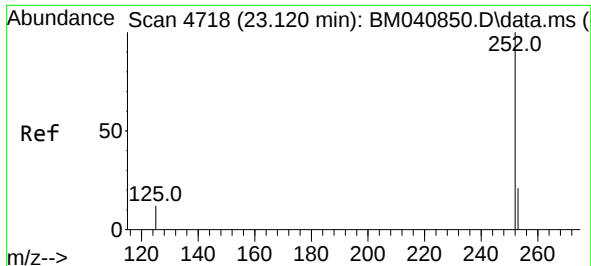
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023



#22
Chrysene
Concen: 8.136 ng/ul
RT: 21.486 min Scan# 4159
Delta R.T. -0.012 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

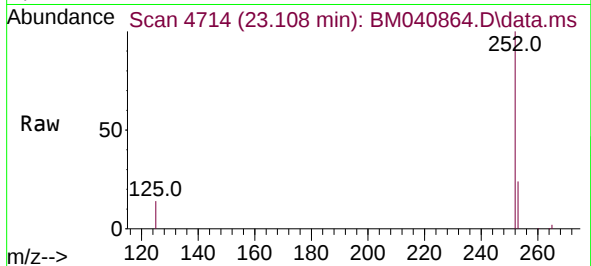
Tgt Ion:228 Resp: 349396
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 22.4 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 8.545 ng/ul
RT: 23.108 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

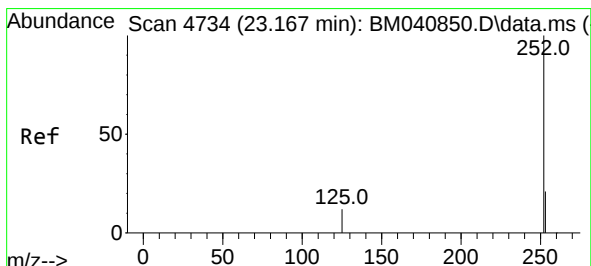
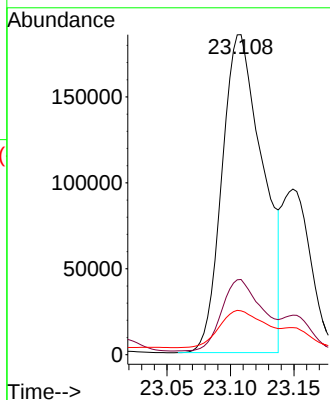
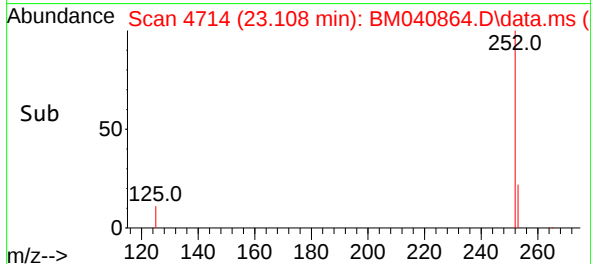
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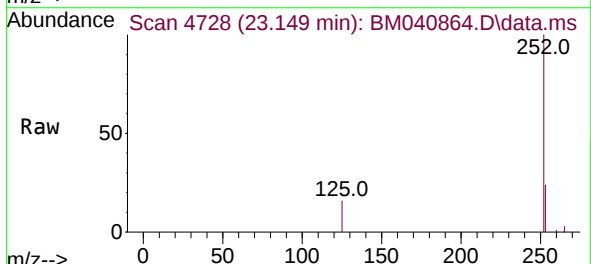
Tgt Ion:252 Resp: 41322
Ion Ratio Lower Upper
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253 23.5 0.0 52.8
125 13.7 0.0 43.0

Manual Integrations
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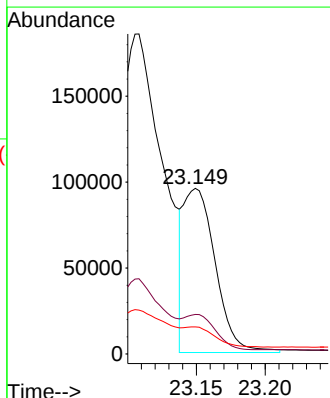
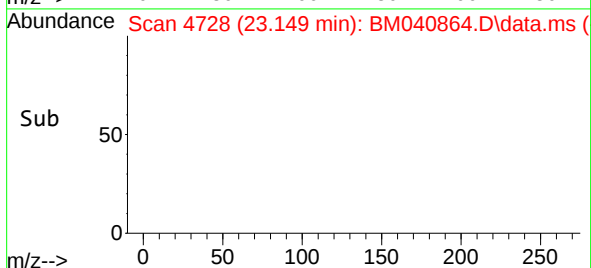
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023

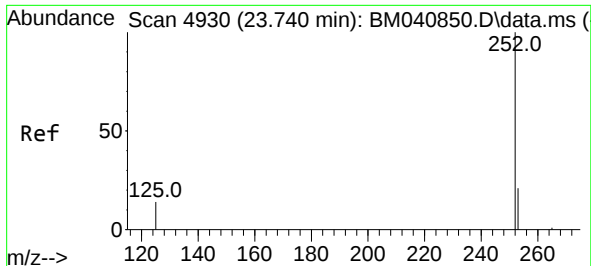


#25
Benzo(k)fluoranthene
Concen: 3.235 ng/ul m
RT: 23.149 min Scan# 4728
Delta R.T. -0.017 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19



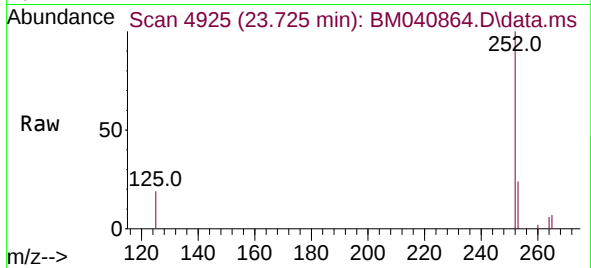
Tgt Ion:252 Resp: 154197
Ion Ratio Lower Upper
252 100
253 23.9 21.2 31.8
125 16.4 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 2.717 ng/ul
RT: 23.725 min Scan# 4930
Delta R.T. -0.015 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

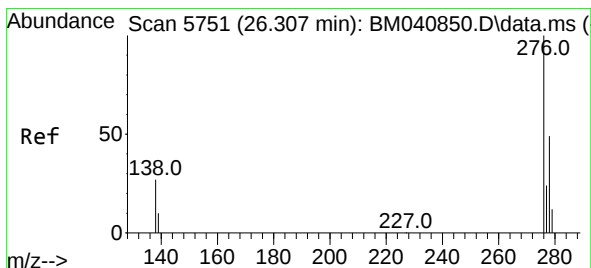
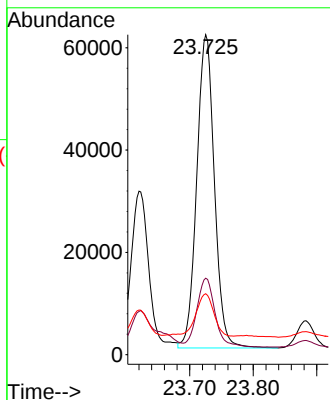
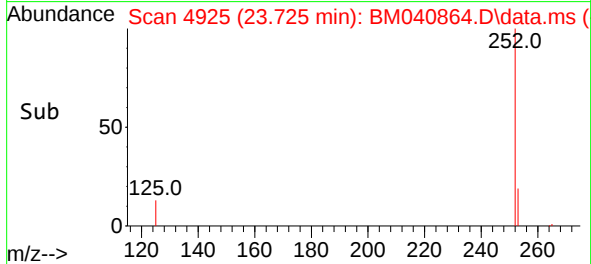
Instrument :
BNA_M
ClientSampleId :
A4643



Tgt Ion:252 Resp: 11836
Ion Ratio Lower Upper
252 100
253 23.9 22.9 34.3
125 19.0 21.0 31.4

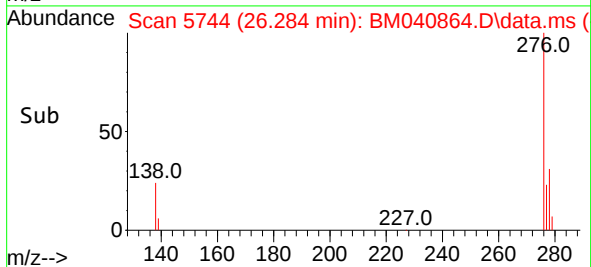
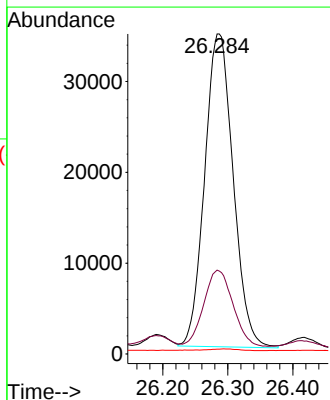
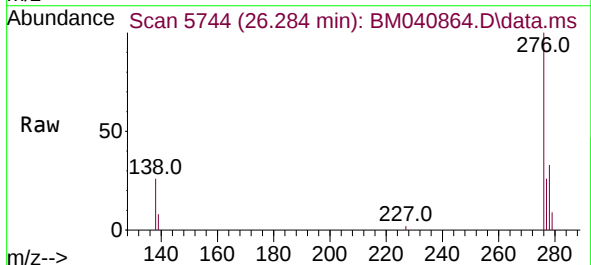
Manual Integrations
APPROVED

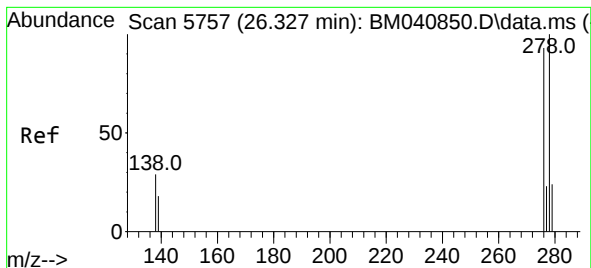
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.730 ng/ul
RT: 26.284 min Scan# 5744
Delta R.T. -0.023 min
Lab File: BM040864.D
Acq: 14 Jul 2023 00:19

Tgt Ion:276 Resp: 104931
Ion Ratio Lower Upper
276 100
138 24.8 24.5 36.7
227 0.5 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.962 ng/ul

RT: 26.297 min Scan# 51

Delta R.T. -0.030 min

Lab File: BM040864.D

Acq: 14 Jul 2023 00:19

Instrument :

BNM

ClientSampleId :

A4643

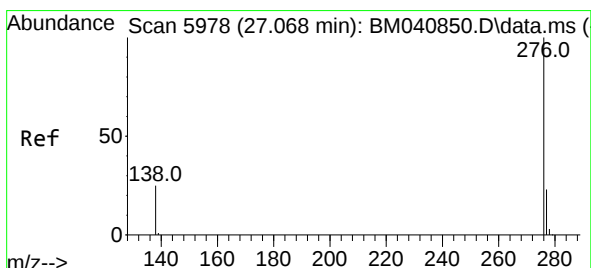
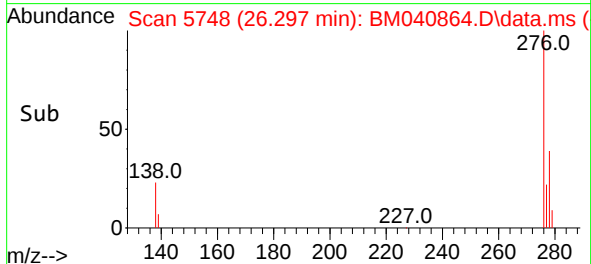
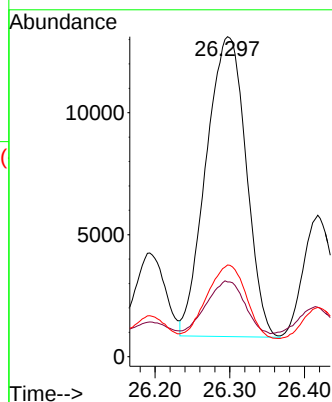
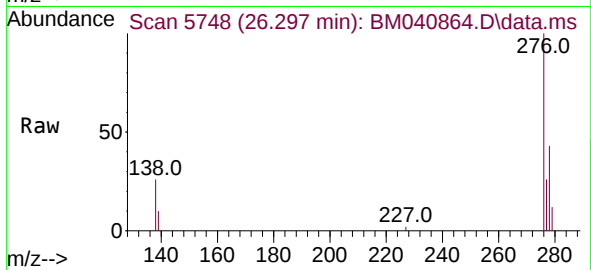
Tgt Ion:278 Resp: 4567
 Ion Ratio Lower Upper
 278 100
 139 23.4 17.9 26.9
 279 28.7 22.0 33.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/17/2023

Supervised By :mohammad ahmed 07/17/2023



#29

Benzo(g,h,i)perylene

Concen: 0.112 ng/ul

RT: 27.048 min Scan# 5972

Delta R.T. -0.020 min

Lab File: BM040864.D

Acq: 14 Jul 2023 00:19

Tgt Ion:276 Resp: 5974
 Ion Ratio Lower Upper
 276 100
 138 51.9 23.0 34.6#
 277 41.2 20.3 30.5#

