

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
 Data File : BM040448.D
 Acq On : 29 Jun 2023 21:43
 Operator : MA/JU
 Sample : 03143-13DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFV0DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 30 03:07:37 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 Jun 23 00:44:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	6977	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.751	136	25565	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.582	164	12038	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	23448	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	14572	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	13121	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	6879	0.628	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.340	152	1652	0.046	ng/ul	-0.01
18) Fluoranthene-d10	19.356	212	2452	0.052	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.800	128	9272	0.131	ng/ul	96
7) 2-Methylnaphthalene	12.417	142	2792	0.067	ng/ul	99
8) 1-Methylnaphthalene	12.631	142	1559	0.038	ng/ul	98
10) Acenaphthylene	14.304	152	7871	0.146	ng/ul	96
11) Acenaphthene	14.647	153	1447	0.032	ng/ul	95
12) Fluorene	15.632	166	1332	0.027	ng/ul#	93
15) Phenanthrene	17.370	178	25577	0.351	ng/ul	100
16) Anthracene	17.463	178	8684	0.142	ng/ul#	94
19) Fluoranthene	19.384	202	62859	1.016	ng/ul	98
20) Pyrene	19.747	202	52563	0.792	ng/ul	99
21) Benzo(a)anthracene	21.494	228	31431	0.638	ng/ul	96
22) Chrysene	21.547	228	41910	0.745	ng/ul	98
24) Benzo(b)fluoranthene	23.187	252	69872	1.376	ng/ul	95
25) Benzo(k)fluoranthene	23.230	252	21788m	0.435	ng/ul	
26) Benzo(a)pyrene	23.815	252	39811	0.870	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.427	276	35537	0.558	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.441	278	8865	0.178	ng/ul#	82
29) Benzo(g,h,i)perylene	27.202	276	34405	0.616	ng/ul	97

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

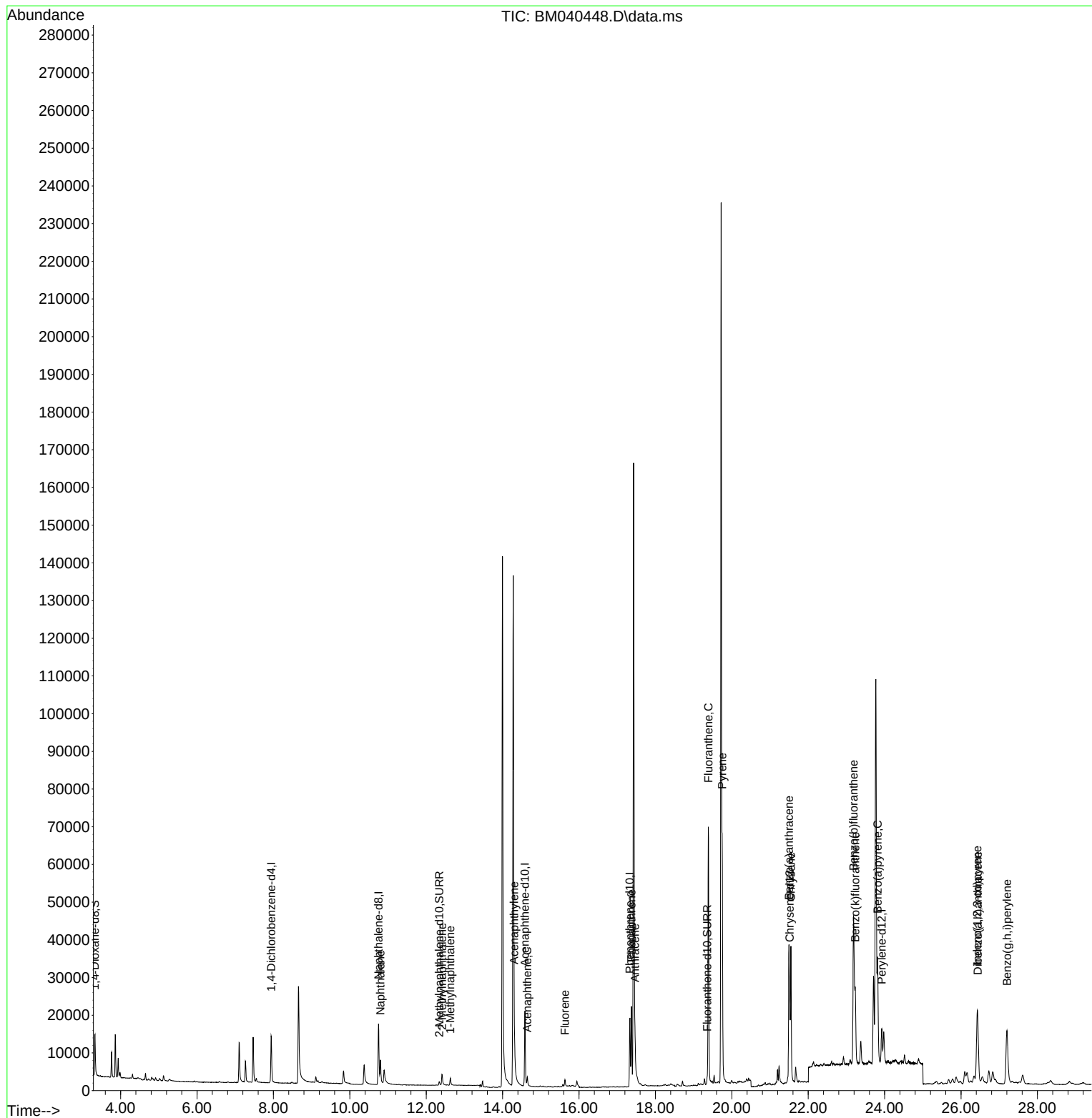
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
Data File : BM040448.D
Acq On : 29 Jun 2023 21:43
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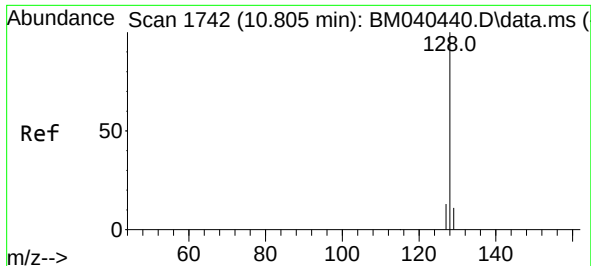
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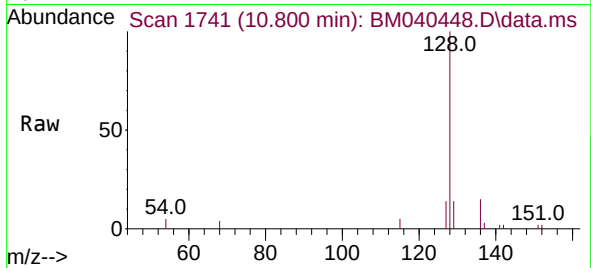
Quant Time: Jun 30 03:07:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.131 ng/ul
RT: 10.800 min Scan# 1742
Delta R.T. -0.011 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

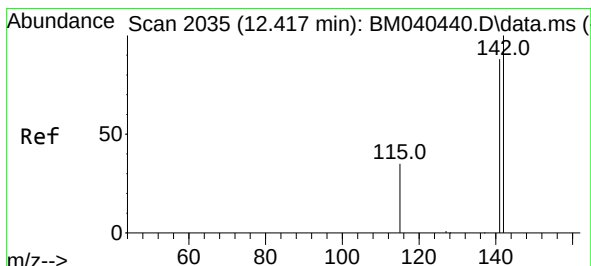
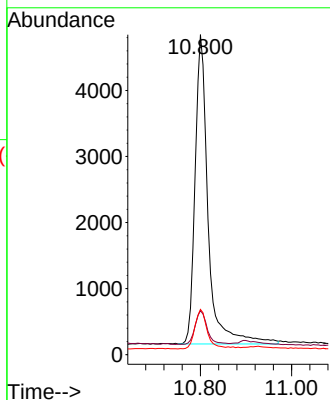
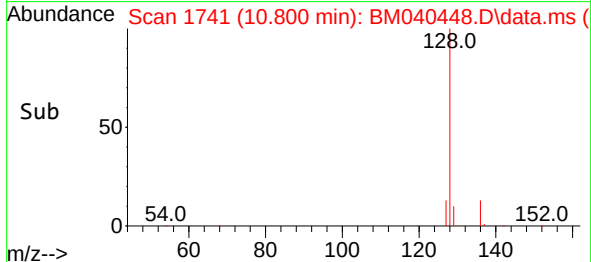
Instrument :
BNA_M
ClientSampleId :
DCFV0DL



Tgt Ion:128 Resp: 927
Ion Ratio Lower Upper
128 100
129 13.8 9.2 13.8
127 14.1 10.6 15.8

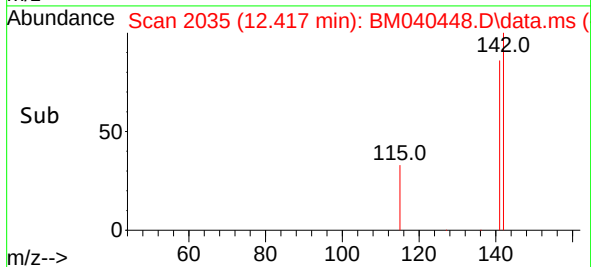
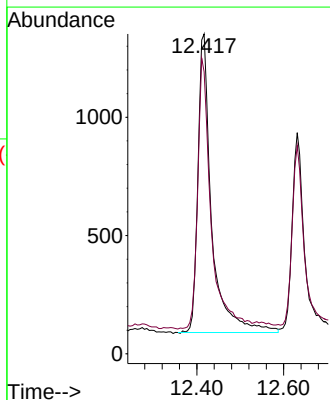
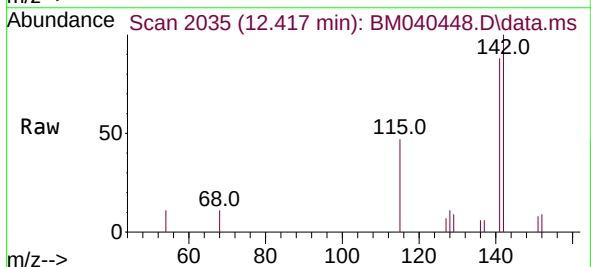
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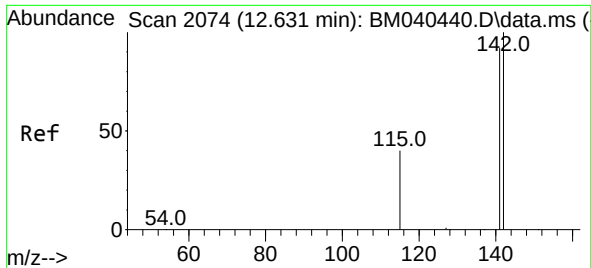
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

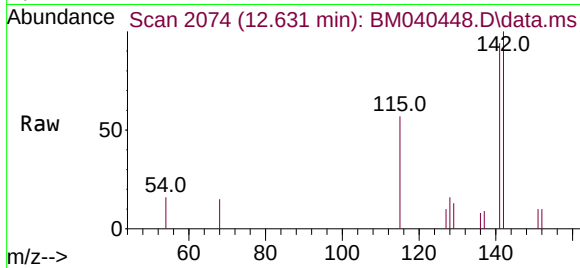
Tgt Ion:142 Resp: 2792
Ion Ratio Lower Upper
142 100
141 90.7 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.038 ng/ul
RT: 12.631 min Scan# 2074
Delta R.T. -0.011 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

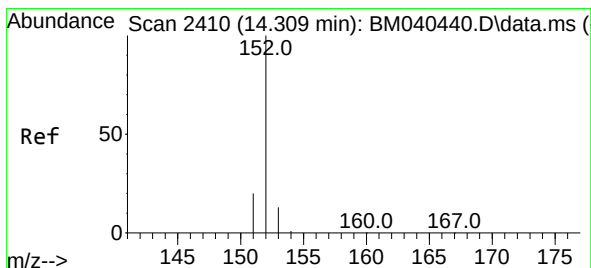
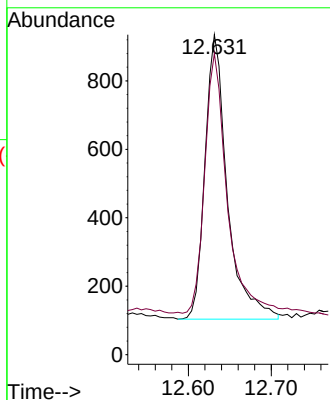
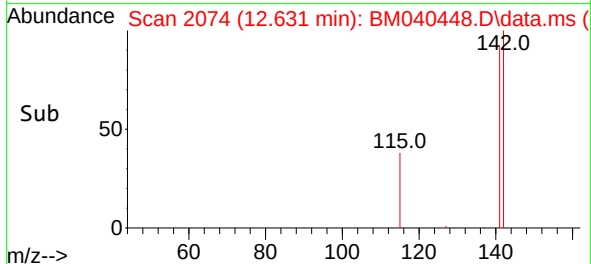
Instrument :
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DCFV0DL



Tgt Ion:142 Resp: 1559
Ion Ratio Lower Upper
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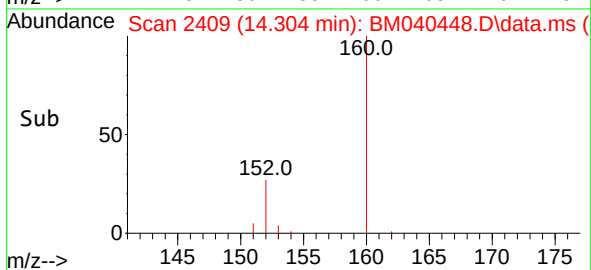
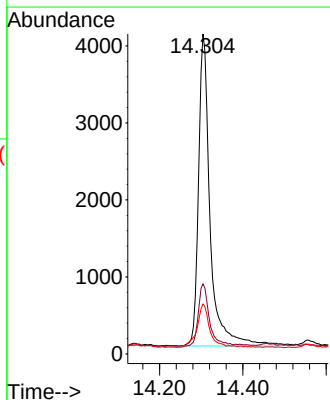
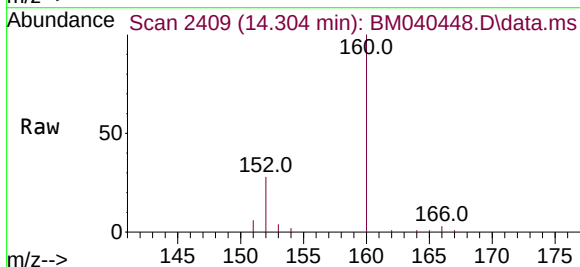
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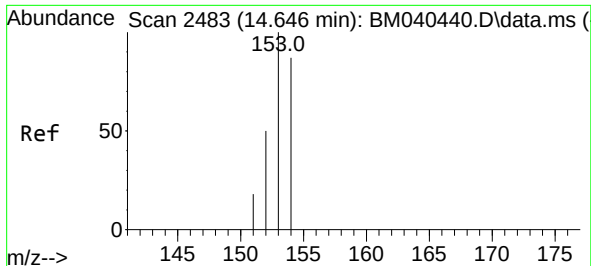
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#10
Acenaphthylene
Concen: 0.146 ng/ul
RT: 14.304 min Scan# 2409
Delta R.T. -0.009 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

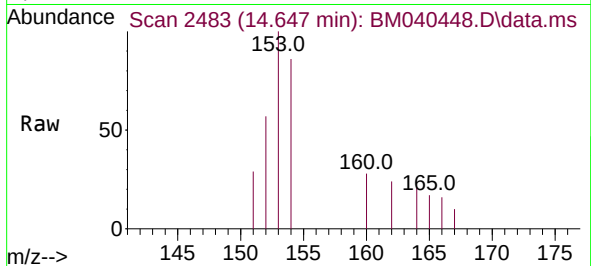
Tgt Ion:152 Resp: 7871
Ion Ratio Lower Upper
152 100
151 21.9 16.2 24.2
153 15.6 10.9 16.3





#11
Acenaphthene
Concen: 0.032 ng/ul
RT: 14.647 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

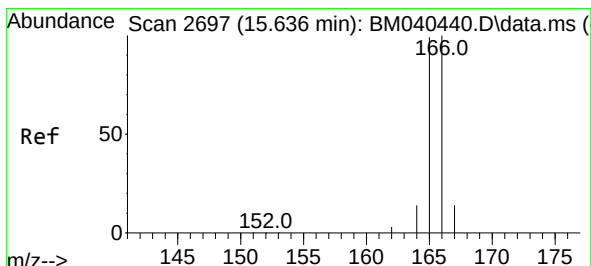
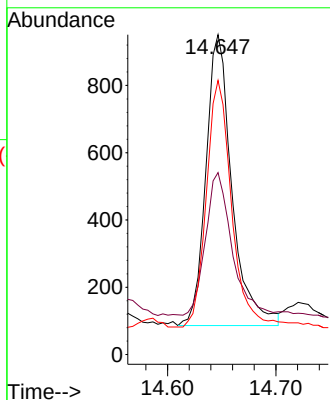
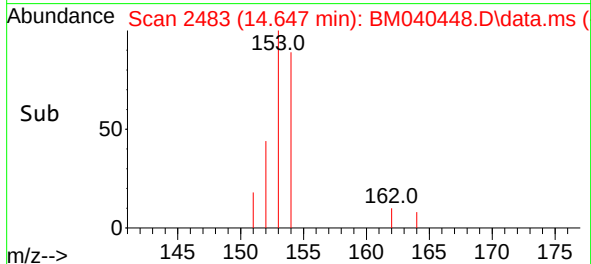
Instrument :
BNA_M
ClientSampleId :
DCFV0DL



Tgt Ion:153 Resp: 144
Ion Ratio Lower Upper
153 100
152 56.9 41.0 61.4
154 85.7 70.8 106.2

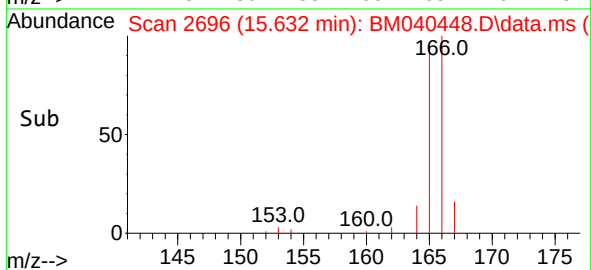
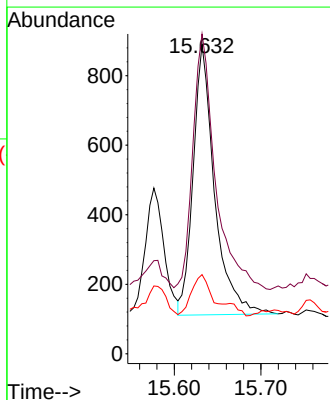
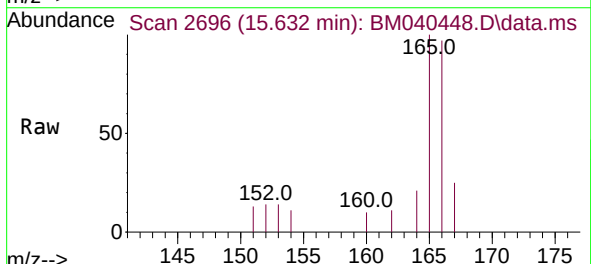
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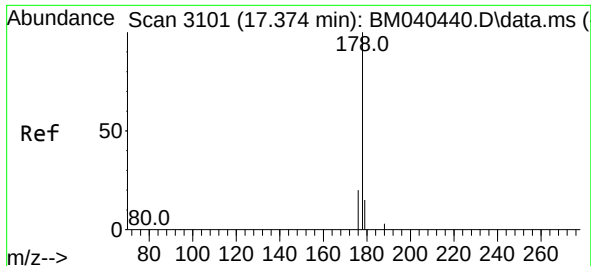
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#12
Fluorene
Concen: 0.027 ng/ul
RT: 15.632 min Scan# 2696
Delta R.T. -0.009 min
Lab File: BM040448.D
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Tgt Ion:166 Resp: 1332
Ion Ratio Lower Upper
166 100
165 103.4 79.6 119.4
167 25.6 11.4 17.0#





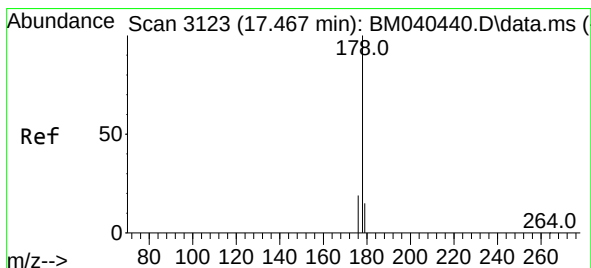
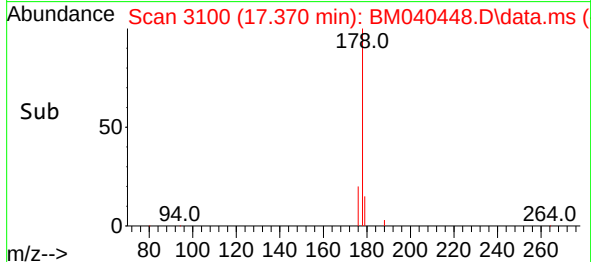
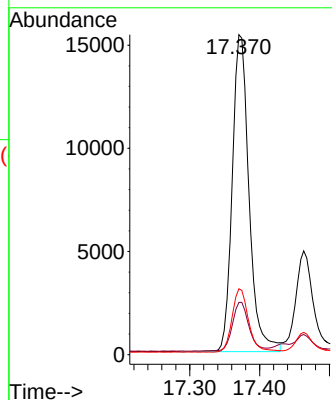
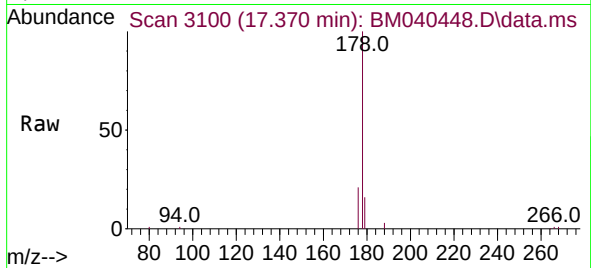
#15
Phenanthrene
Concen: 0.351 ng/u1
RT: 17.370 min Scan# 3101
Delta R.T. -0.008 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

Instrument :
BNA_M
ClientSampleId :
DCFV0DL

Tgt Ion:178 Resp: 2557
Ion Ratio Lower Upper
178 100
179 16.3 12.8 19.2
176 20.6 16.4 24.6

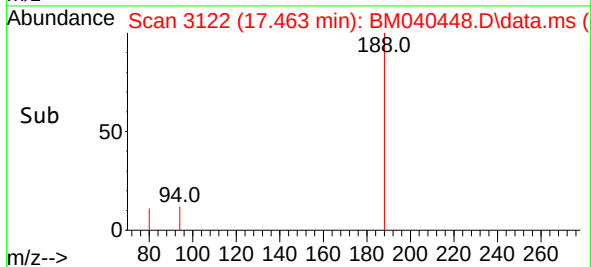
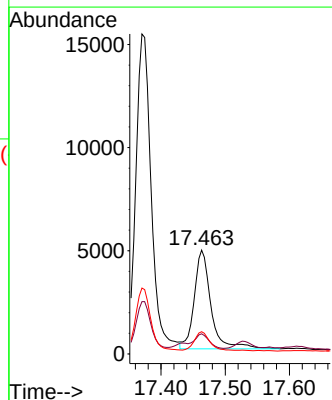
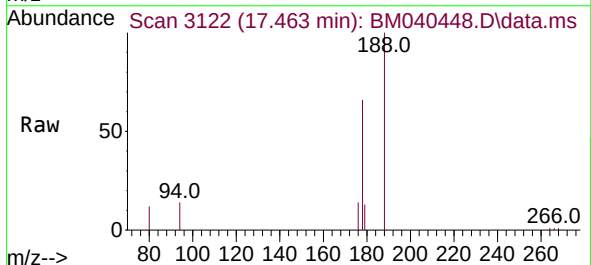
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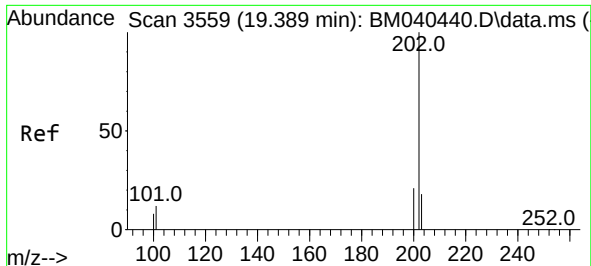
Reviewed By :Yogesh Patel 06/30/2023
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#16
Anthracene
Concen: 0.142 ng/u1
RT: 17.463 min Scan# 3122
Delta R.T. -0.008 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

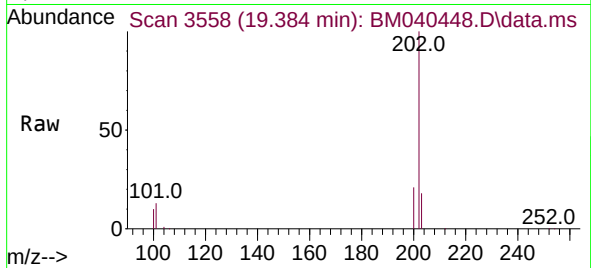
Tgt Ion:178 Resp: 8684
Ion Ratio Lower Upper
178 100
179 19.5 12.9 19.3#
176 21.4 15.8 23.6





#19
Fluoranthene
Concen: 1.016 ng/u1
RT: 19.384 min Scan# 3559
Delta R.T. -0.005 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

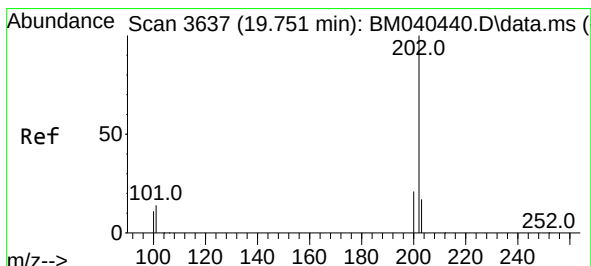
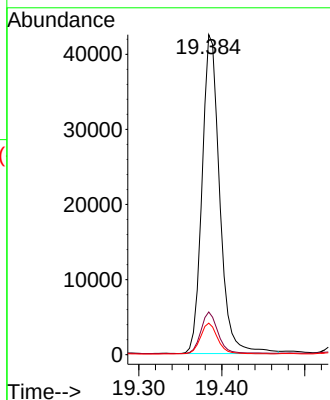
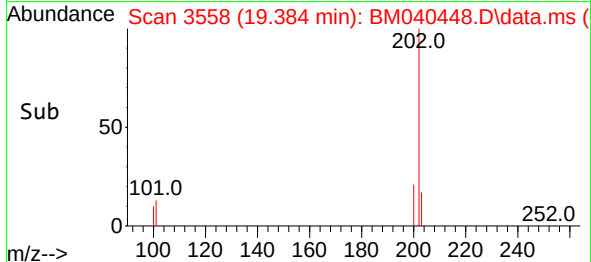
Instrument :
BNA_M
ClientSampleId :
DCFV0DL



Tgt Ion:202 Resp: 62859
Ion Ratio Lower Upper
202 100
101 13.3 11.4 17.0
100 9.8 8.7 13.1

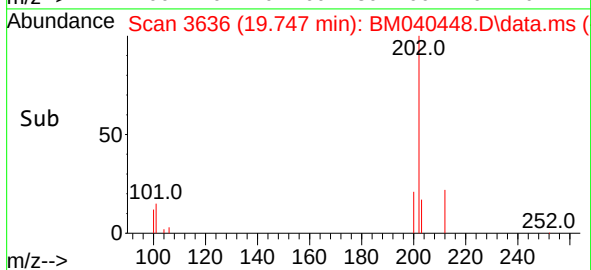
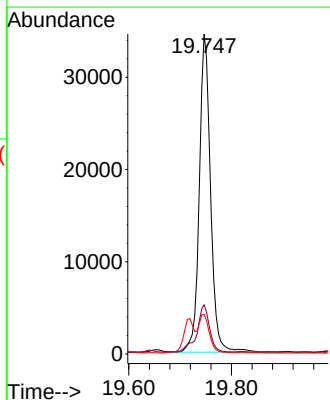
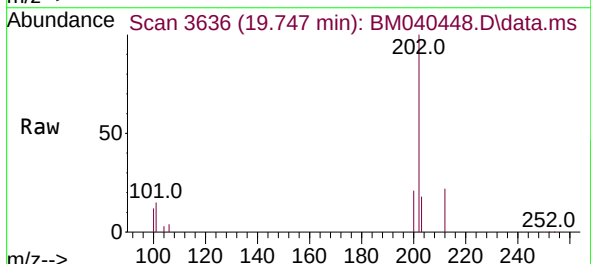
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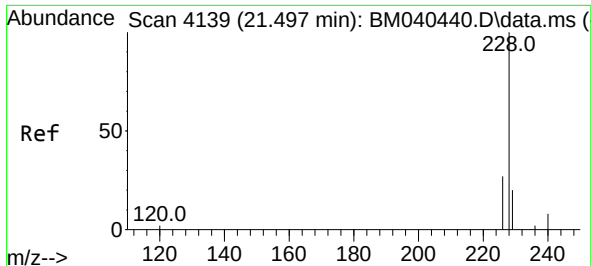
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#20
Pyrene
Concen: 0.792 ng/u1
RT: 19.747 min Scan# 3636
Delta R.T. -0.009 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

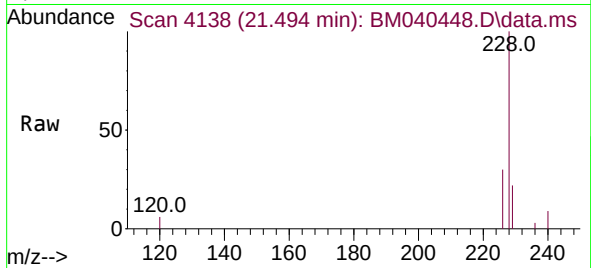
Tgt Ion:202 Resp: 52563
Ion Ratio Lower Upper
202 100
101 15.3 12.6 18.8
100 12.3 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.638 ng/ul
RT: 21.494 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

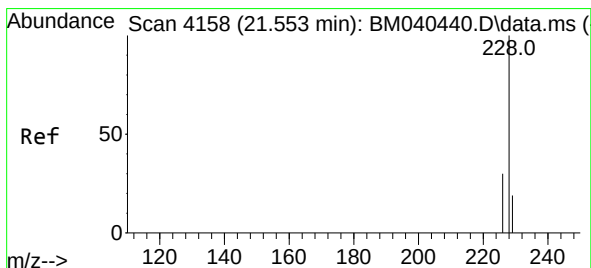
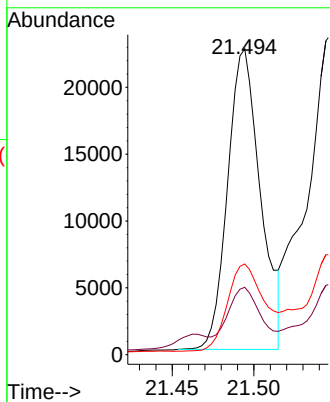
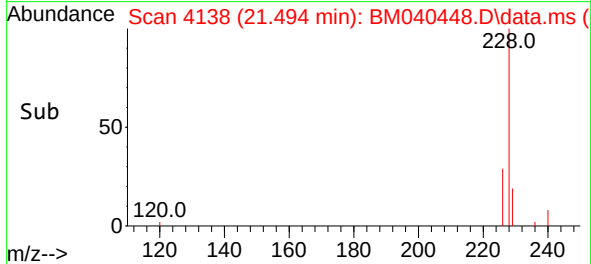
Instrument :
BNA_M
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DCFV0DL



Tgt Ion:228 Resp: 3143
Ion Ratio Lower Upper
228 100
229 22.0 16.0 24.0
226 29.7 22.3 33.5

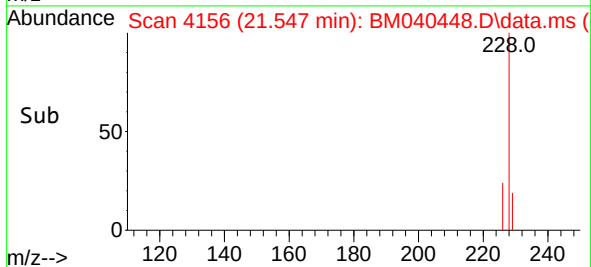
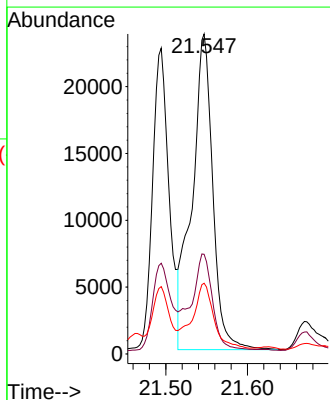
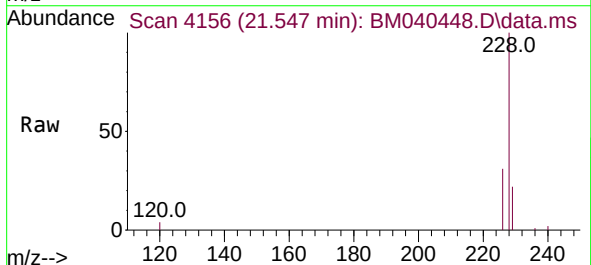
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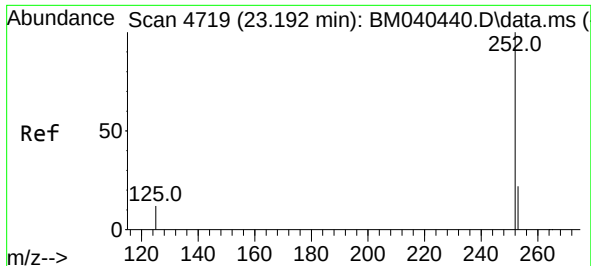
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#22
Chrysene
Concen: 0.745 ng/ul
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

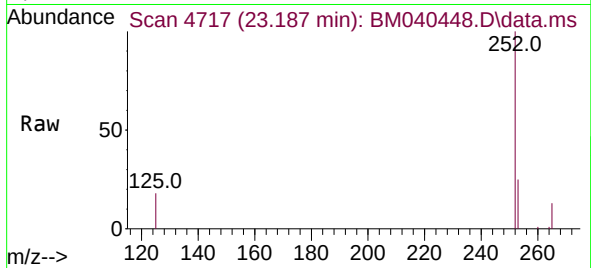
Tgt Ion:228 Resp: 41910
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 22.1 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.376 ng/ul
RT: 23.187 min Scan# 4717
Delta R.T. -0.006 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

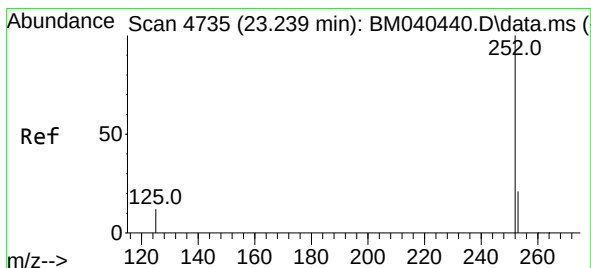
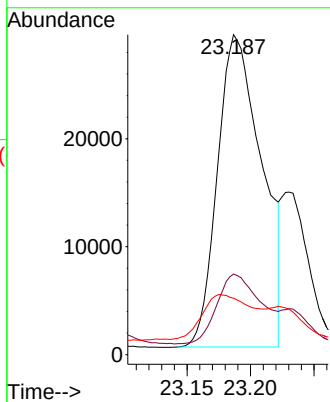
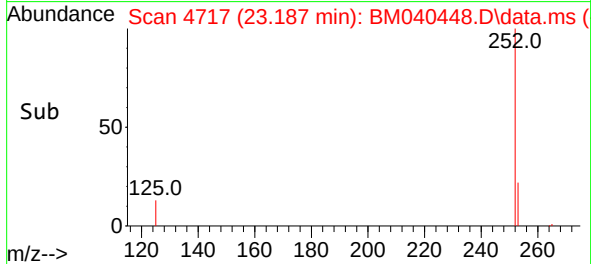
Instrument :
BNA_M
ClientSampleId :
DCFV0DL



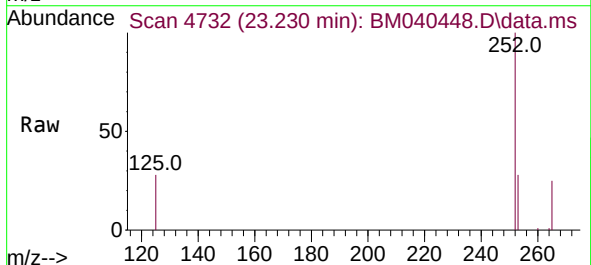
Tgt Ion:252 Resp: 69872
Ion Ratio Lower Upper
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253 25.2 0.0 52.8
125 17.7 0.0 43.0

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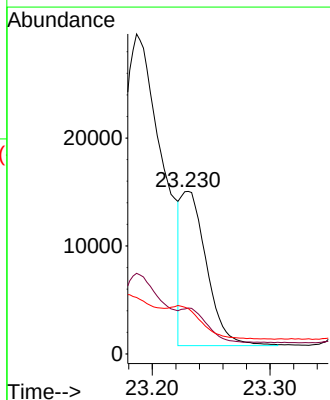
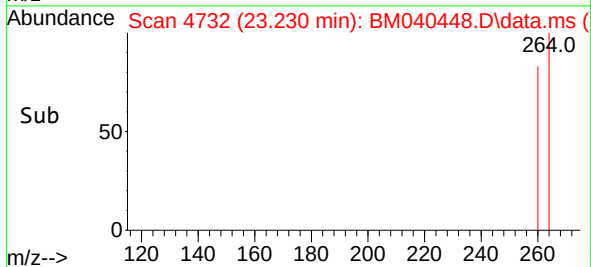
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

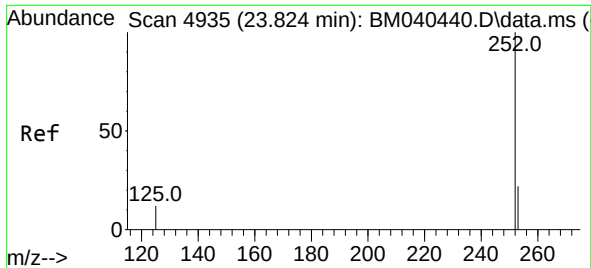


#25
Benzo(k)fluoranthene
Concen: 0.435 ng/ul m
RT: 23.230 min Scan# 4732
Delta R.T. -0.012 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43



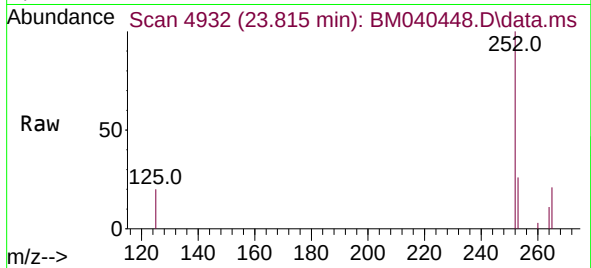
Tgt Ion:252 Resp: 21788
Ion Ratio Lower Upper
252 100
253 28.3 21.2 31.8
125 27.9 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 0.870 ng/ul
RT: 23.815 min Scan# 4932
Delta R.T. -0.009 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

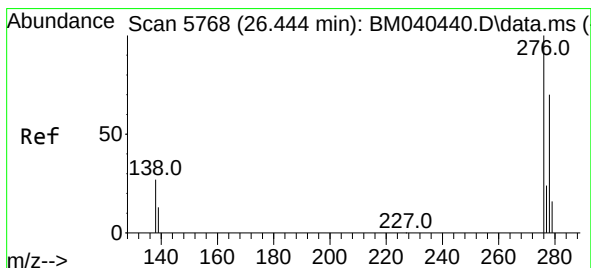
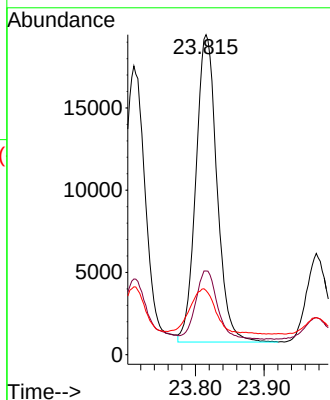
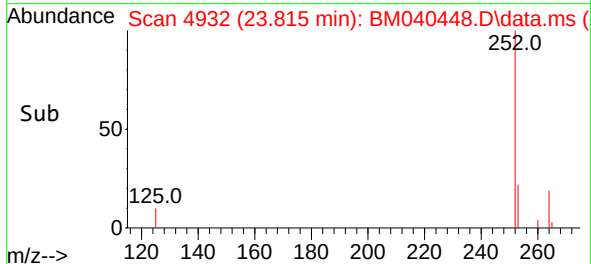
Instrument :
BNA_M
ClientSampleId :
DCFV0DL



Tgt Ion:252 Resp: 3981
Ion Ratio Lower Upper
252 100
253 26.1 22.9 34.3
125 20.0 21.0 31.4

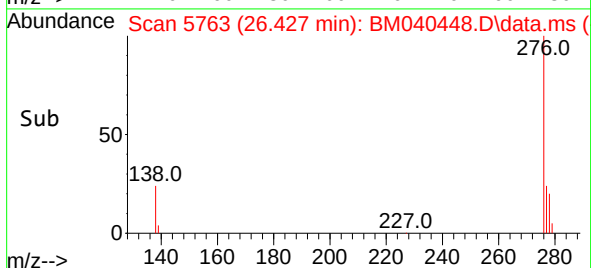
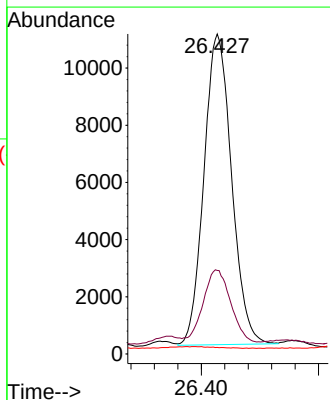
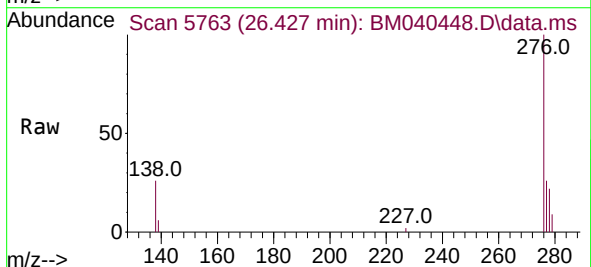
Manual Integrations
APPROVED

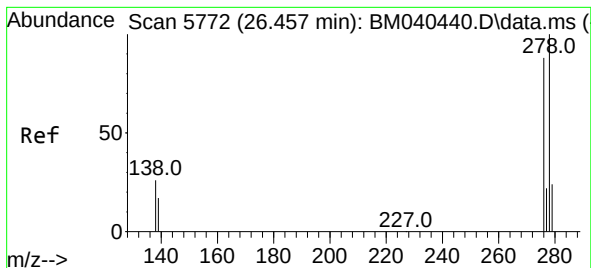
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.558 ng/ul
RT: 26.427 min Scan# 5763
Delta R.T. -0.007 min
Lab File: BM040448.D
Acq: 29 Jun 2023 21:43

Tgt Ion:276 Resp: 35537
Ion Ratio Lower Upper
276 100
138 24.2 24.5 36.7#
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.178 ng/ul

RT: 26.441 min Scan# 51

Delta R.T. -0.013 min

Lab File: BM040448.D

Acq: 29 Jun 2023 21:43

Instrument :

BNA_M

ClientSampleId :

DCFV0DL

Tgt Ion:278 Resp: 886

Ion Ratio Lower Upper

278 100

139 28.9 17.9 26.9

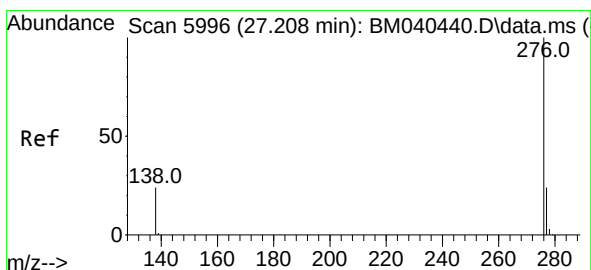
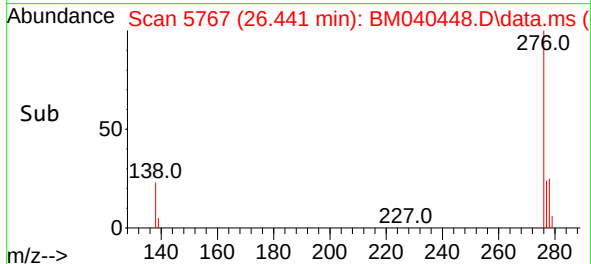
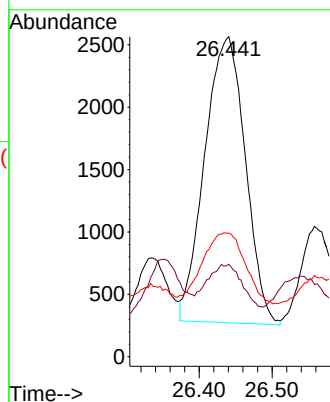
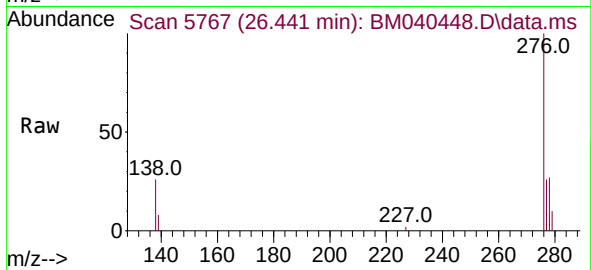
279 38.6 22.0 33.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#29

Benzo(g,h,i)perylene

Concen: 0.616 ng/ul

RT: 27.202 min Scan# 5994

Delta R.T. -0.003 min

Lab File: BM040448.D

Acq: 29 Jun 2023 21:43

Tgt Ion:276 Resp: 34405

Ion Ratio Lower Upper

276 100

138 26.3 23.0 34.6

277 25.7 20.3 30.5

