

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040366.D
 Acq On : 23 Jun 2023 01:50
 Operator : MA/JU
 Sample : 03084-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 02:29:03 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	7.953	152	8152	0.400	ng/ul	0.00
4) Naphthalene-d8	10.762	136	27982	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	13249	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.336	188	21533	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	14483	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	18344	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	51366	4.011	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.351	152	10444	0.266	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	13203	0.284	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.811	128	6062	0.079	ng/ul#	91
7) 2-Methylnaphthalene	12.422	142	3479	0.077	ng/ul	99
8) 1-Methylnaphthalene	12.642	142	2100	0.046	ng/ul	99
10) Acenaphthylene	14.313	152	2342	0.040	ng/ul#	79
15) Phenanthrene	17.374	178	16330	0.244	ng/ul	98
16) Anthracene	17.467	178	2394	0.043	ng/ul#	79
19) Fluoranthene	19.389	202	38052	0.619	ng/ul	98
20) Pyrene	19.751	202	33217m	0.504	ng/ul	
21) Benzo(a)anthracene	21.497	228	18588	0.379	ng/ul	94
22) Chrysene	21.550	228	25456	0.456	ng/ul	95
24) Benzo(b)fluoranthene	23.192	252	45384	0.639	ng/ul	89
25) Benzo(k)fluoranthene	23.236	252	15101m	0.216	ng/ul	
26) Benzo(a)pyrene	23.821	252	26673	0.417	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.430	276	26530	0.298	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.437	278	6471	0.093	ng/ul#	50
29) Benzo(g,h,i)perylene	27.205	276	27427	0.351	ng/ul	96

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

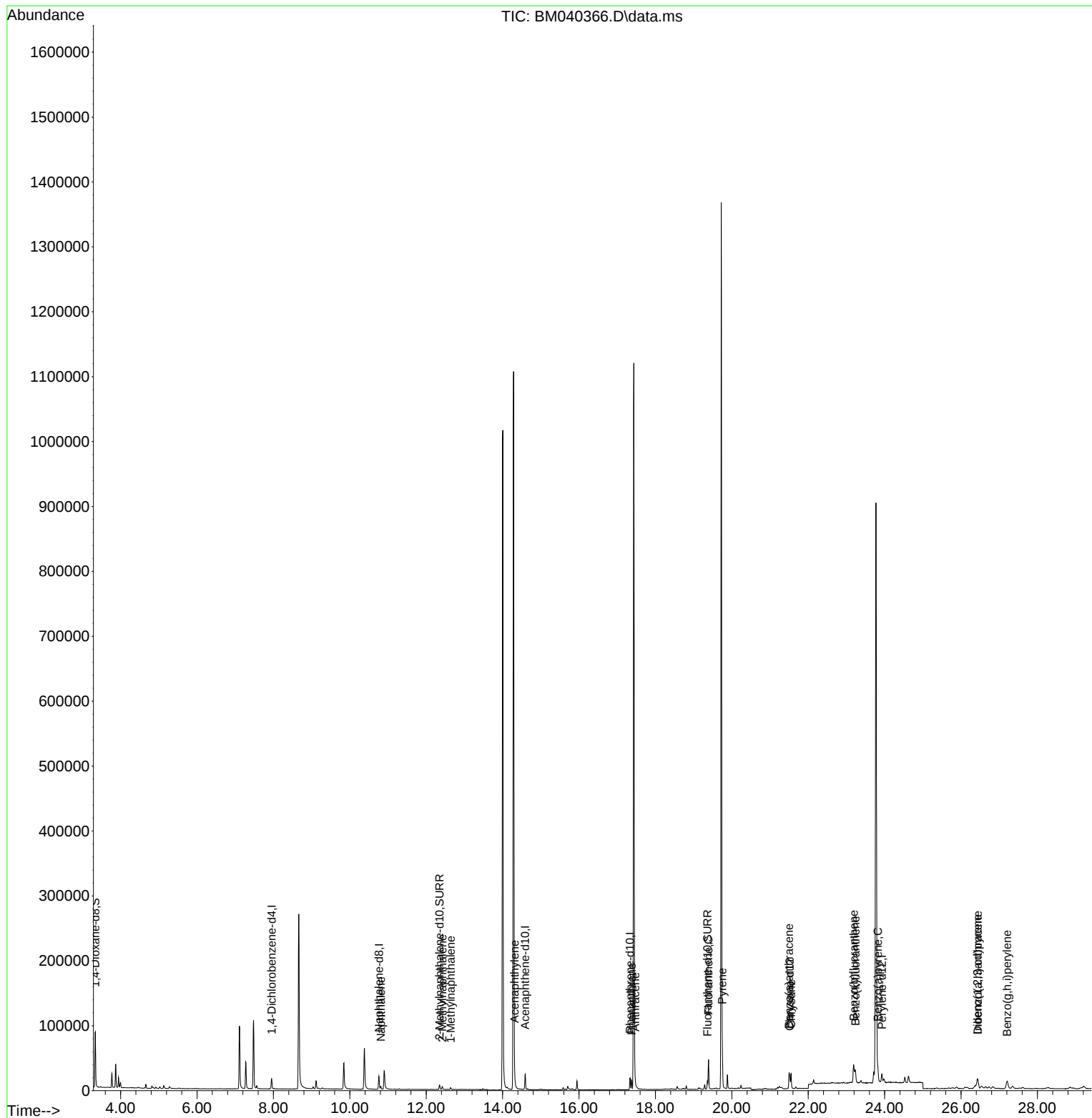
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
Data File : BM040366.D
Acq On : 23 Jun 2023 01:50
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ALS Vial : 15 Sample Multiplier: 1

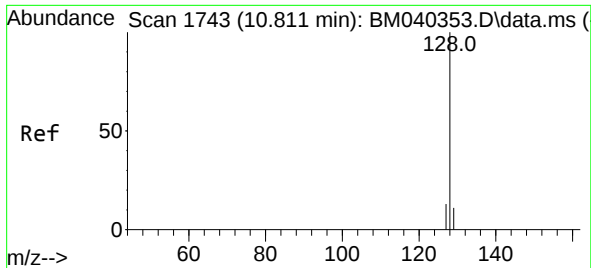
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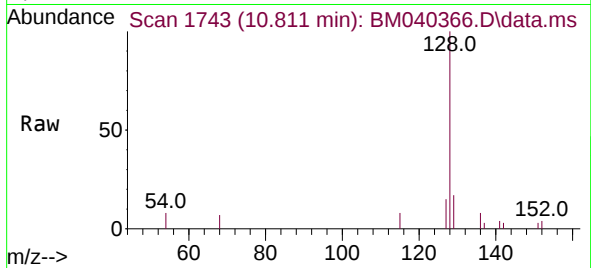
Quant Time: Jun 23 02:29:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.079 ng/ul
RT: 10.811 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

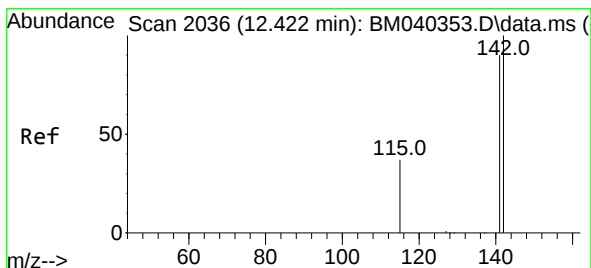
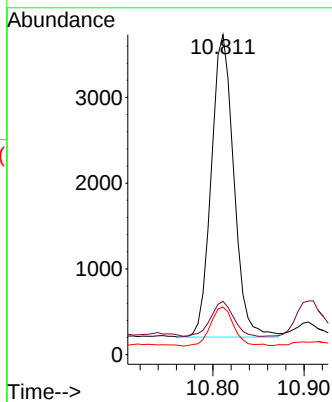
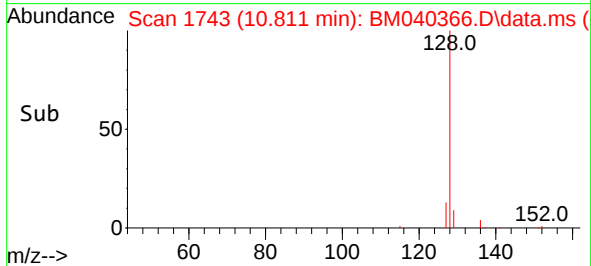
Instrument :
BNA_M
ClientSampleId :
DCFM2



Tgt Ion:128 Resp: 6062
Ion Ratio Lower Upper
128 100
129 16.6 9.2 13.8
127 14.9 10.6 15.8

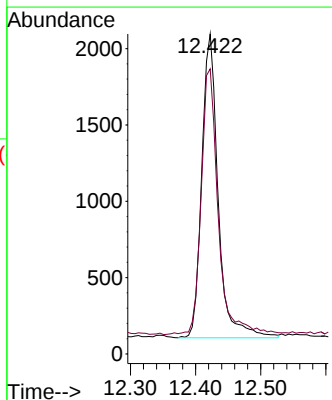
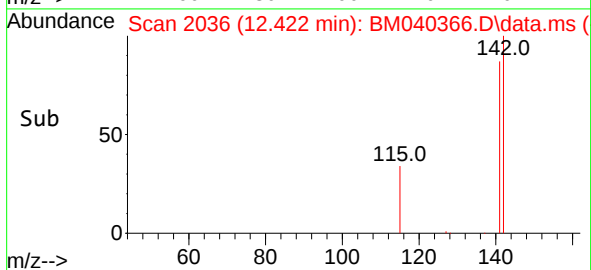
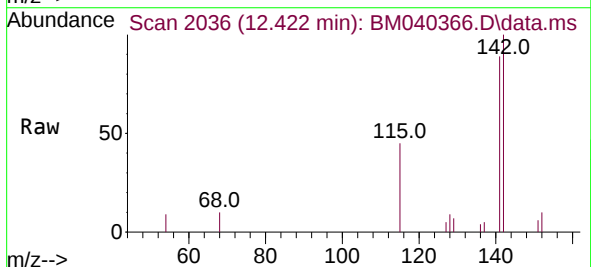
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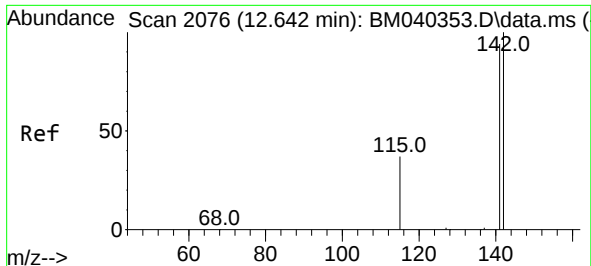
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#7
2-Methylnaphthalene
Concen: 0.077 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

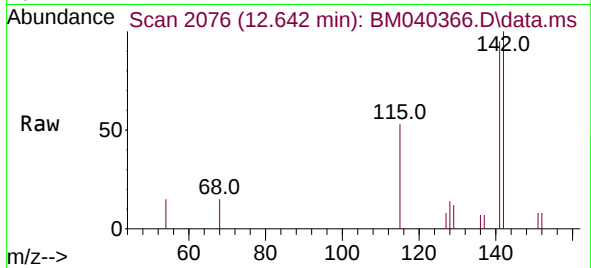
Tgt Ion:142 Resp: 3479
Ion Ratio Lower Upper
142 100
141 90.7 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.642 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

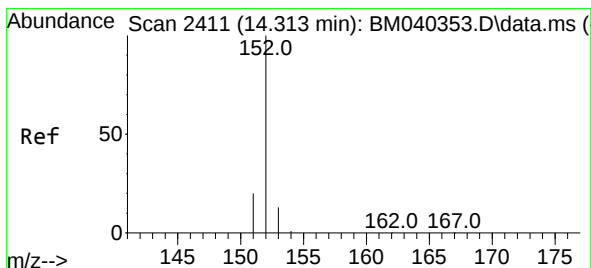
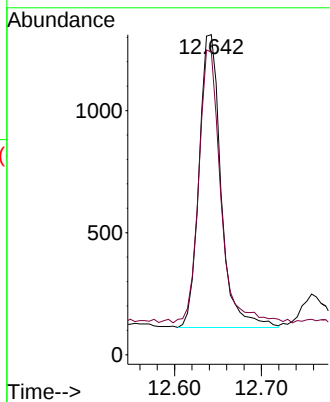
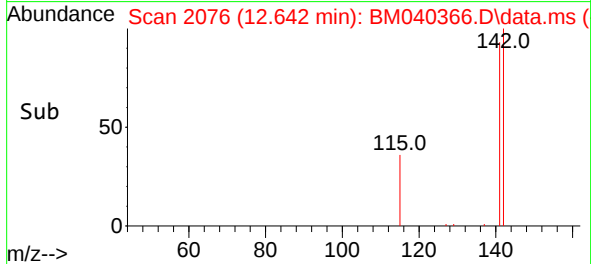
Instrument :
BNA_M
ClientSampleId :
DCFM2



Tgt Ion:142 Resp: 2100
Ion Ratio Lower Upper
142 100
141 92.7 73.7 110.5

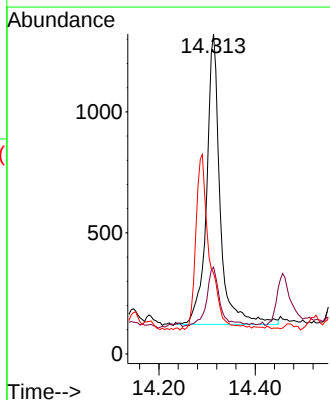
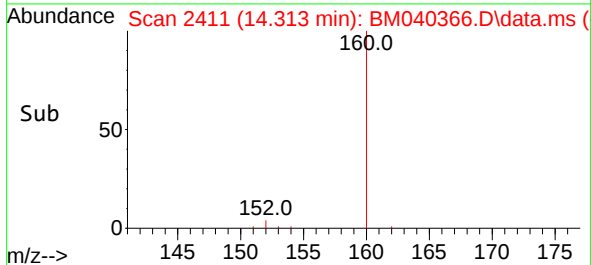
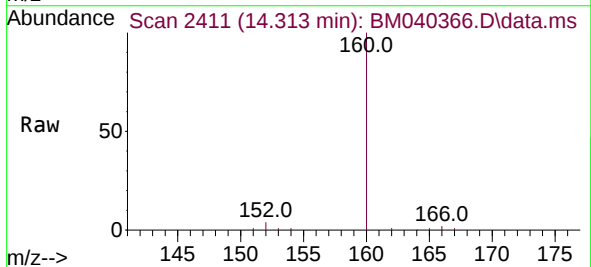
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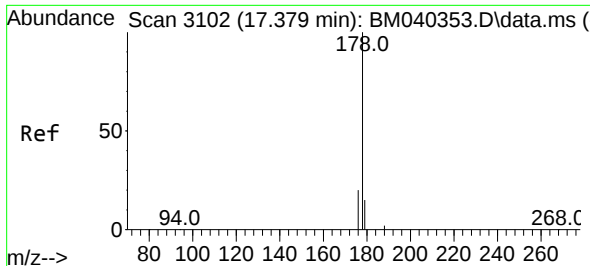
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#10
Acenaphthylene
Concen: 0.040 ng/ul
RT: 14.313 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

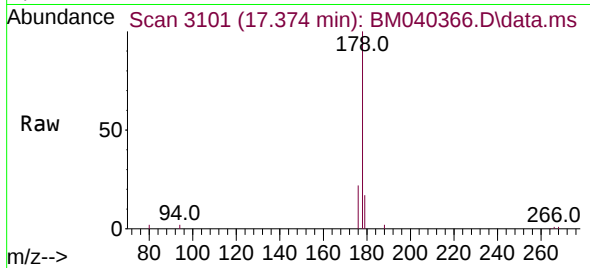
Tgt Ion:152 Resp: 2342
Ion Ratio Lower Upper
152 100
151 27.2 16.2 24.2#
153 25.3 10.9 16.3#





#15
Phenanthrene
Concen: 0.244 ng/ul
RT: 17.374 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

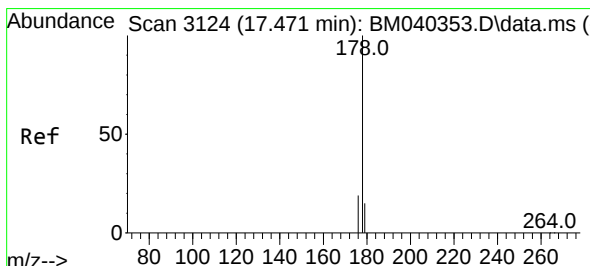
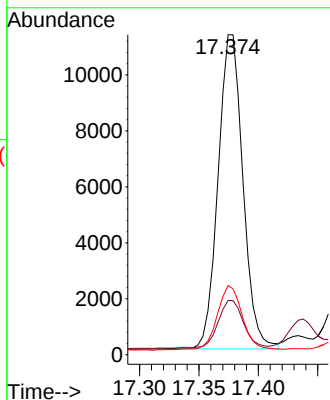
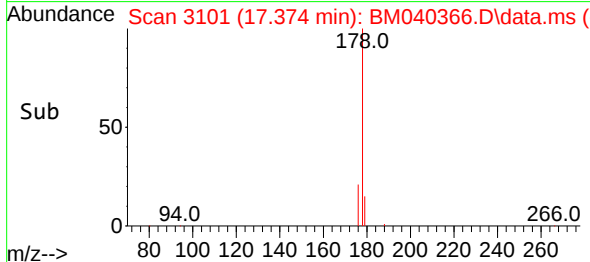
Instrument :
BNA_M
ClientSampleId :
DCFM2



Tgt Ion:178 Resp: 16330
Ion Ratio Lower Upper
178 100
179 17.0 12.8 19.2
176 21.6 16.4 24.6

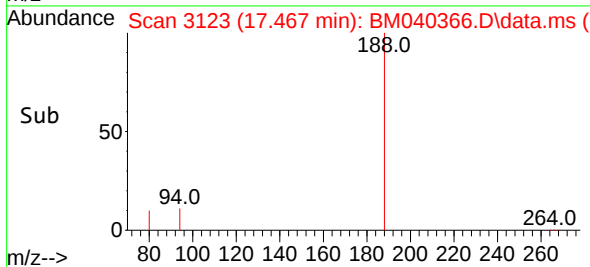
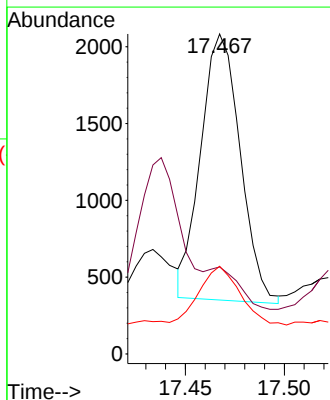
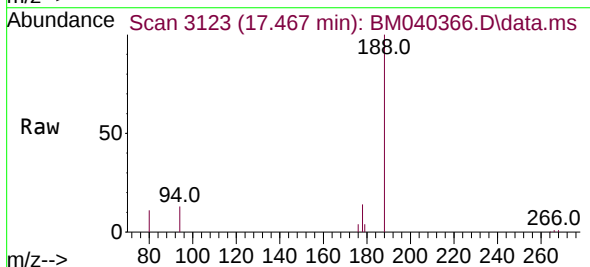
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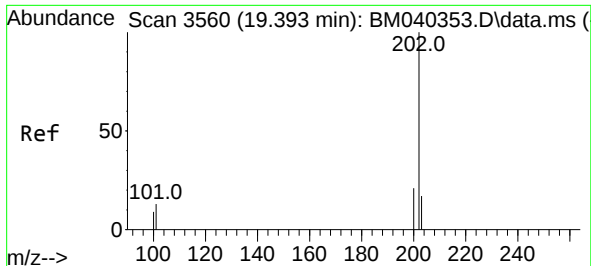
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#16
Anthracene
Concen: 0.043 ng/ul
RT: 17.467 min Scan# 3123
Delta R.T. -0.004 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

Tgt Ion:178 Resp: 2394
Ion Ratio Lower Upper
178 100
179 27.2 12.9 19.3#
176 27.4 15.8 23.6#





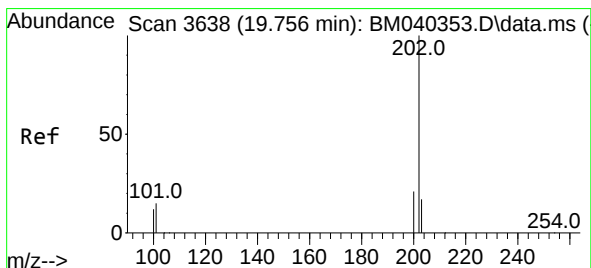
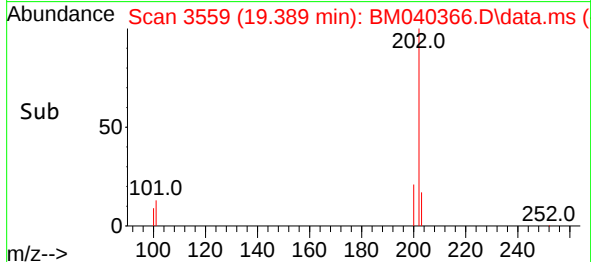
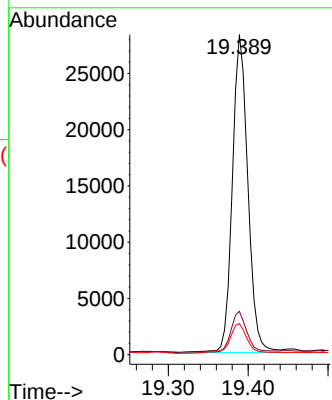
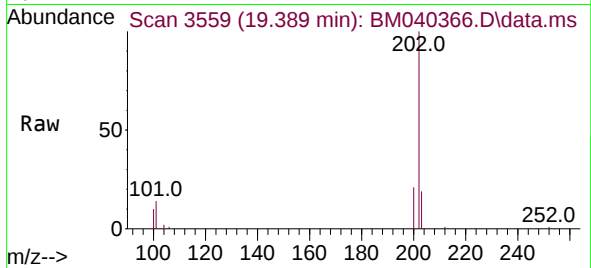
#19
Fluoranthene
Concen: 0.619 ng/ul
RT: 19.389 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

Instrument :
BNA_M
ClientSampleId :
DCFM2

Tgt Ion:202 Resp: 3805
Ion Ratio Lower Upper
202 100
101 13.6 11.4 17.0
100 9.7 8.7 13.1

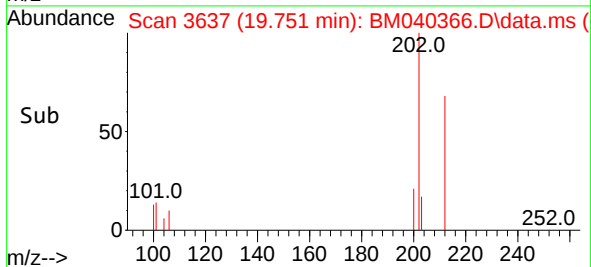
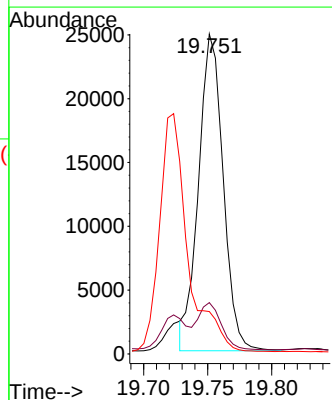
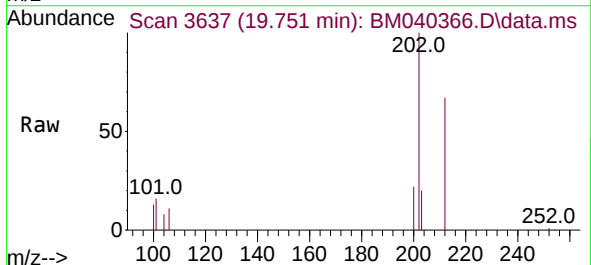
Manual Integrations
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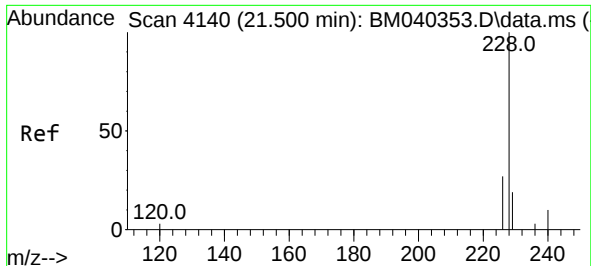
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#20
Pyrene
Concen: 0.504 ng/ul m
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

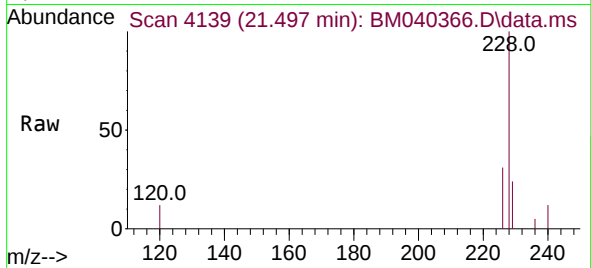
Tgt Ion:202 Resp: 33217
Ion Ratio Lower Upper
202 100
101 16.1 12.6 18.8
100 13.2 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.379 ng/ul
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

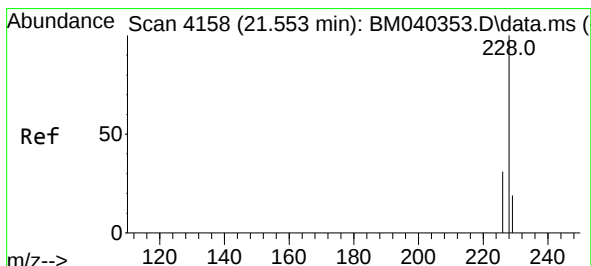
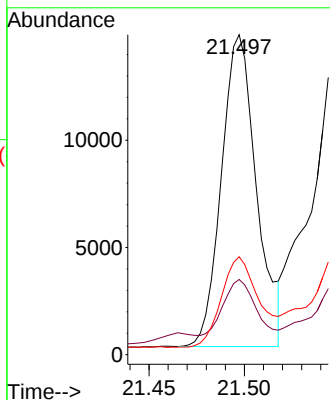
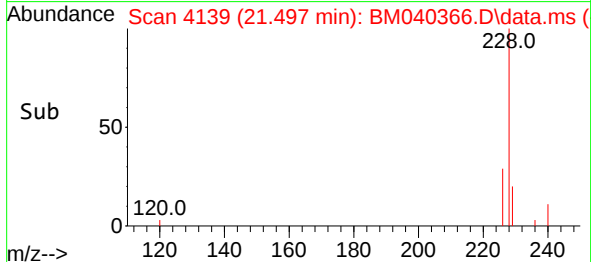
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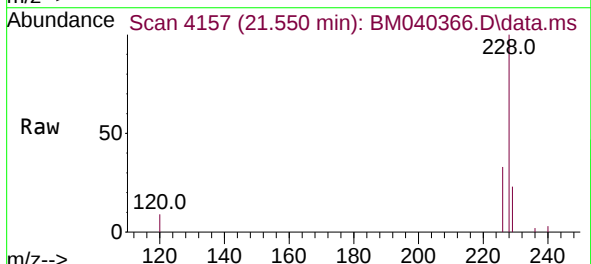
Tgt Ion:228 Resp: 18588
Ion Ratio Lower Upper
228 100
229 23.5 16.0 24.0
226 30.6 22.3 33.5

Manual Integrations
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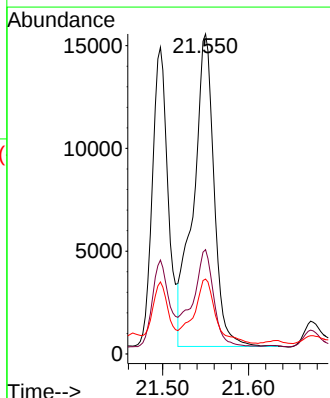
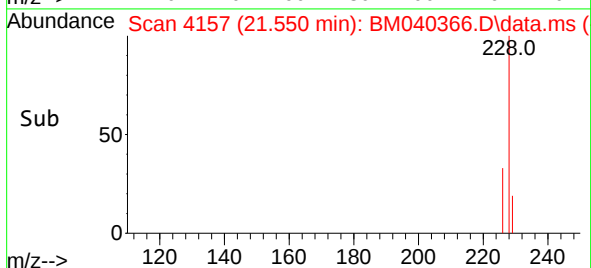
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

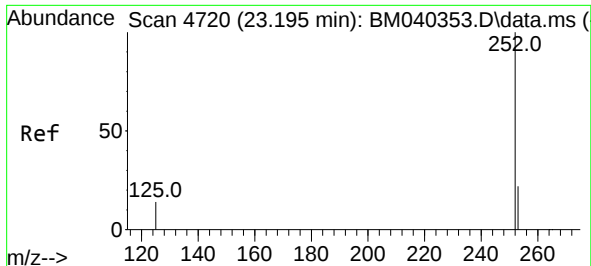


#22
Chrysene
Concen: 0.456 ng/ul
RT: 21.550 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50



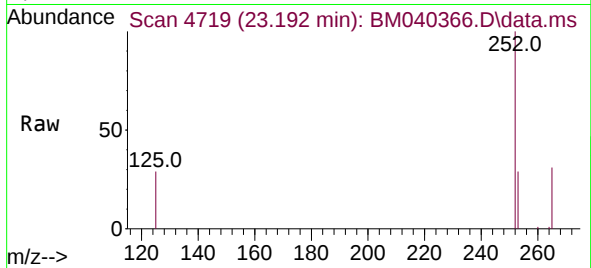
Tgt Ion:228 Resp: 25456
Ion Ratio Lower Upper
228 100
226 32.6 24.9 37.3
229 23.4 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.639 ng/ul
RT: 23.192 min Scan# 4719
Delta R.T. -0.000 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

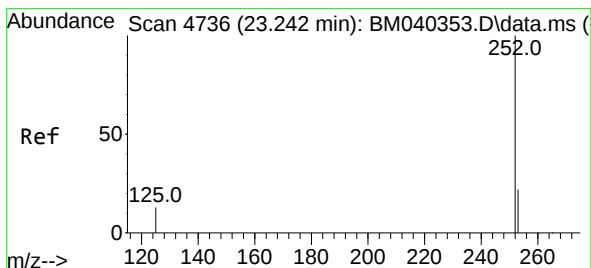
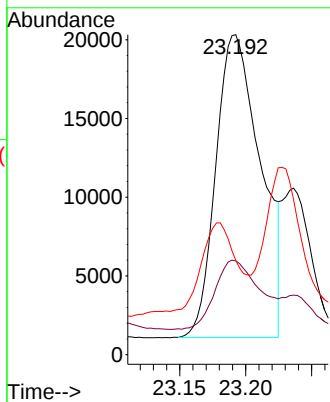
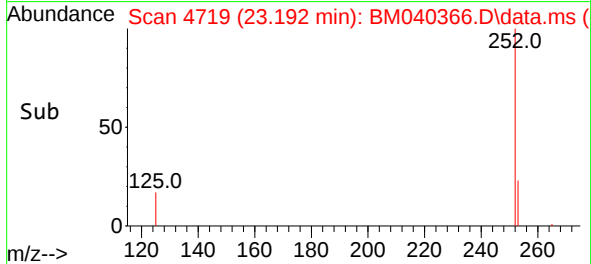
Instrument :
BNA_M
ClientSampleId :
DCFM2



Tgt Ion:252 Resp: 45384
Ion Ratio Lower Upper
252 100
253 29.3 0.0 52.8
125 29.4 0.0 43.0

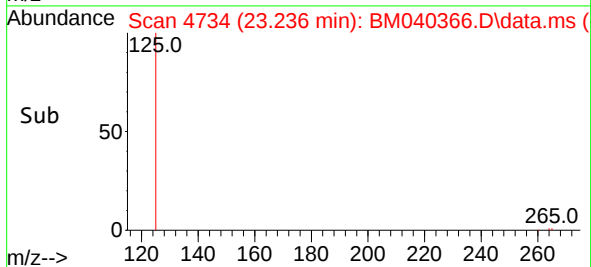
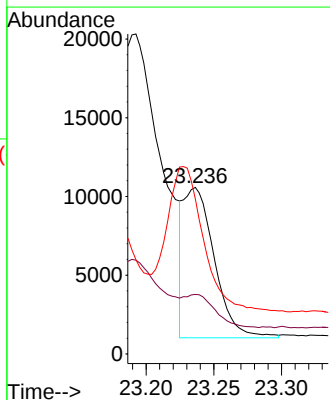
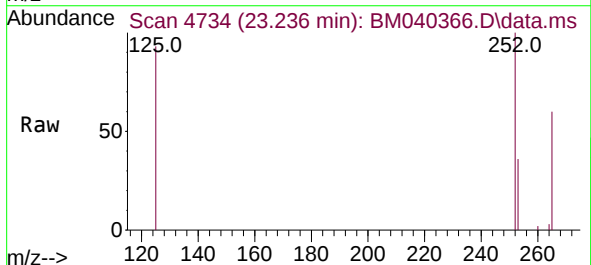
Manual Integrations
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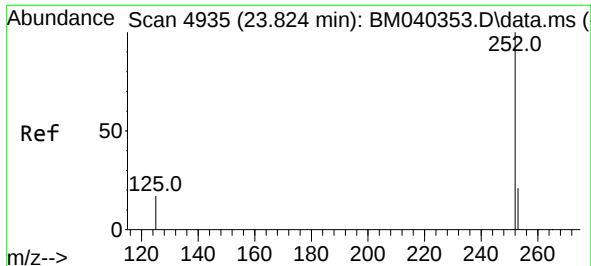
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#25
Benzo(k)fluoranthene
Concen: 0.216 ng/ul m
RT: 23.236 min Scan# 4734
Delta R.T. -0.006 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

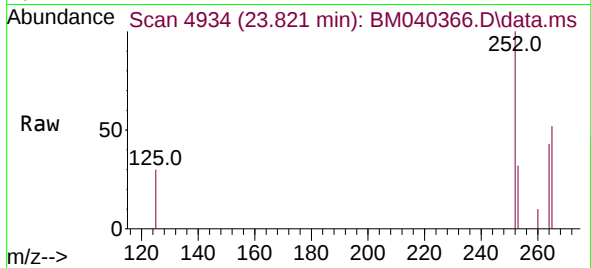
Tgt Ion:252 Resp: 15101
Ion Ratio Lower Upper
252 100
253 35.8 21.2 31.8#
125 93.2 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 0.417 ng/ul
RT: 23.821 min Scan# 4935
Delta R.T. -0.003 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

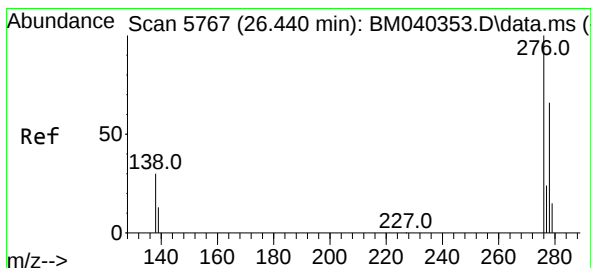
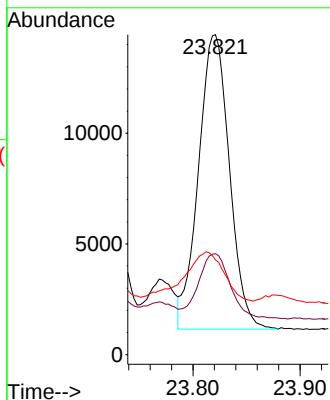
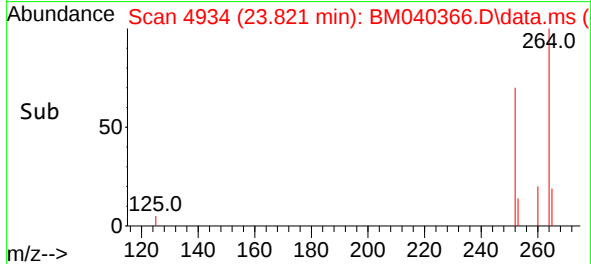
Instrument :
BNA_M
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DCFM2



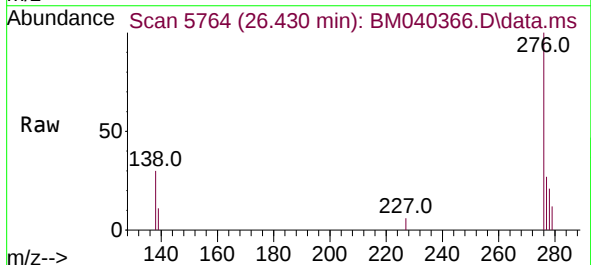
Tgt Ion:252 Resp: 2667
Ion Ratio Lower Upper
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253 31.6 22.9 34.3
125 29.6 21.0 31.4

Manual Integrations
APPROVED

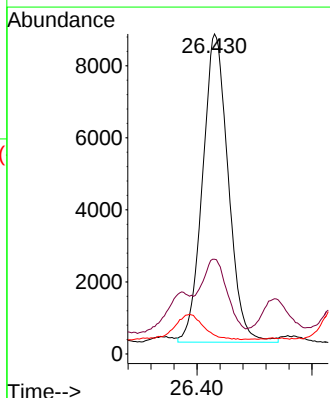
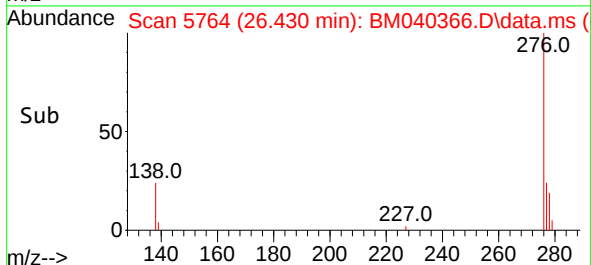
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

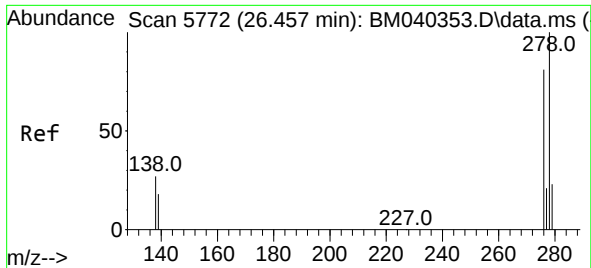


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.298 ng/ul
RT: 26.430 min Scan# 5764
Delta R.T. -0.003 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50



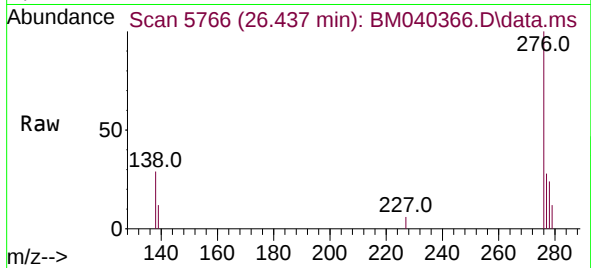
Tgt Ion:276 Resp: 26530
Ion Ratio Lower Upper
276 100
138 21.4 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.093 ng/ul
RT: 26.437 min Scan# 5766
Delta R.T. -0.017 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

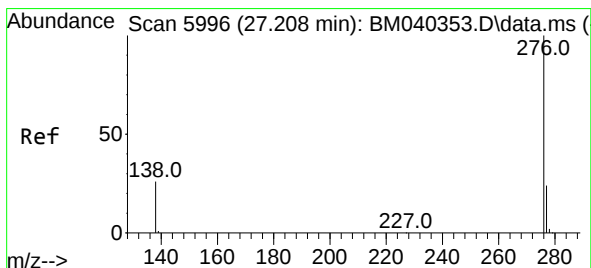
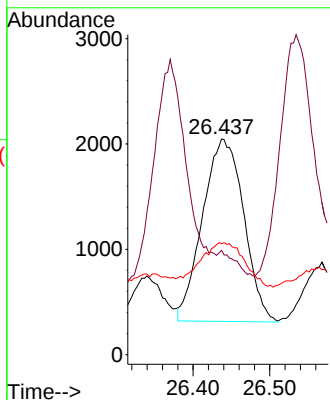
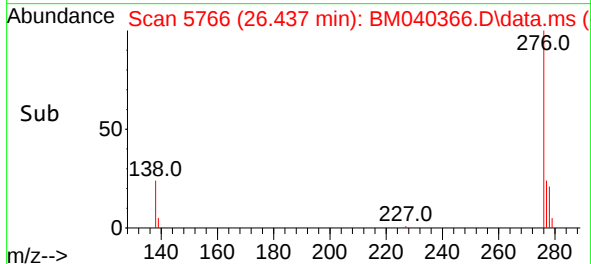
Instrument :
BNA_M
ClientSampleId :
DCFM2



Tgt Ion:278 Resp: 647
Ion Ratio Lower Upper
278 100
139 48.4 17.9 26.9
279 51.5 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#29
Benzo(g,h,i)perylene
Concen: 0.351 ng/ul
RT: 27.205 min Scan# 5995
Delta R.T. -0.000 min
Lab File: BM040366.D
Acq: 23 Jun 2023 01:50

Tgt Ion:276 Resp: 27427
Ion Ratio Lower Upper
276 100
138 30.7 23.0 34.6
277 27.5 20.3 30.5

