

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
 Data File : BM040364.D
 Acq On : 23 Jun 2023 00:37
 Operator : MA/JU
 Sample : 03084-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM8

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 02:28:43 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	9417	0.400	ng/ul	0.00
4) Naphthalene-d8	10.762	136	33386	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	17382	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.336	188	28313	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	18018	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	19943	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	38209	2.583	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.351	152	8936	0.191	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	13876	0.240	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.811	128	16264	0.177	ng/ul	97
7) 2-Methylnaphthalene	12.422	142	8800	0.163	ng/ul	99
8) 1-Methylnaphthalene	12.637	142	7992	0.148	ng/ul	100
10) Acenaphthylene	14.313	152	29797	0.384	ng/ul	99
11) Acenaphthene	14.656	153	11211	0.171	ng/ul	99
12) Fluorene	15.636	166	11527	0.165	ng/ul#	97
15) Phenanthrene	17.379	178	215146	2.446	ng/ul	98
16) Anthracene	17.467	178	48158	0.652	ng/ul	99
19) Fluoranthene	19.389	202	523400	6.839	ng/ul	97
20) Pyrene	19.751	202	452485	5.514	ng/ul	98
21) Benzo(a)anthracene	21.497	228	270538	4.439	ng/ul	99
22) Chrysene	21.550	228	283902	4.084	ng/ul	97
24) Benzo(b)fluoranthene	23.192	252	459741	5.957	ng/ul	89
25) Benzo(k)fluoranthene	23.236	252	153624m	2.020	ng/ul	
26) Benzo(a)pyrene	23.821	252	292096	4.202	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.434	276	241159	2.491	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.444	278	61426	0.810	ng/ul	98
29) Benzo(g,h,i)perylene	27.209	276	220647	2.600	ng/ul	95

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

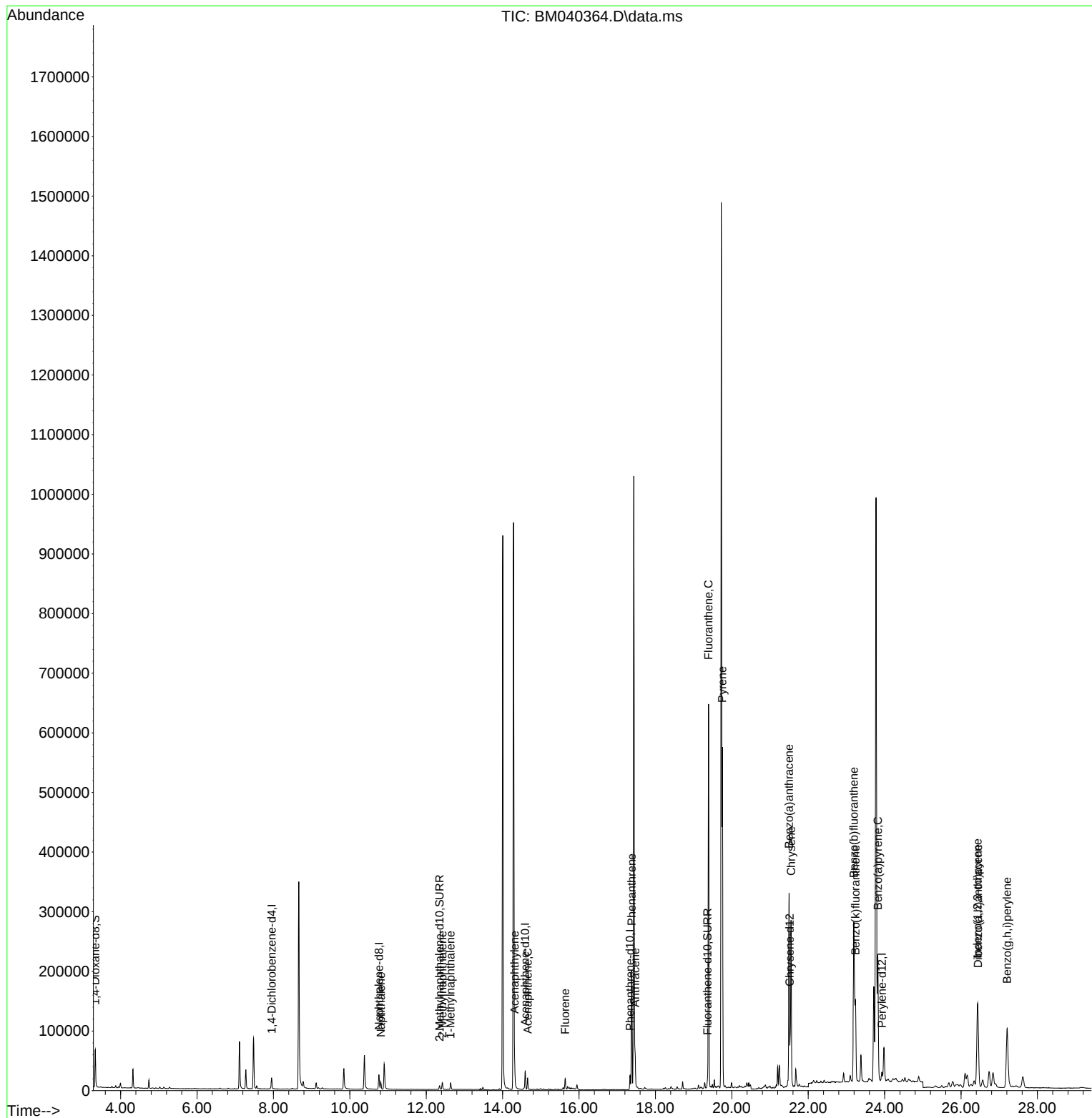
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062223\
Data File : BM040364.D
Acq On : 23 Jun 2023 00:37
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ALS Vial : 13 Sample Multiplier: 1

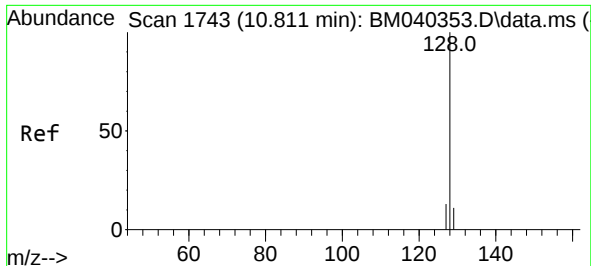
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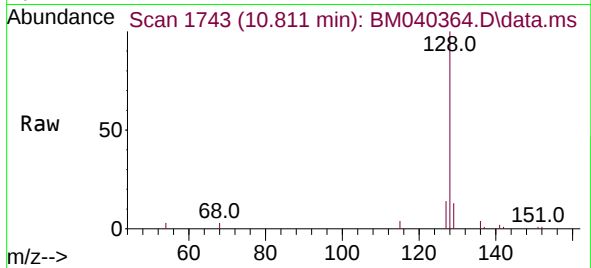
Quant Time: Jun 23 02:28:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
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#5
Naphthalene
Concen: 0.177 ng/ul
RT: 10.811 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

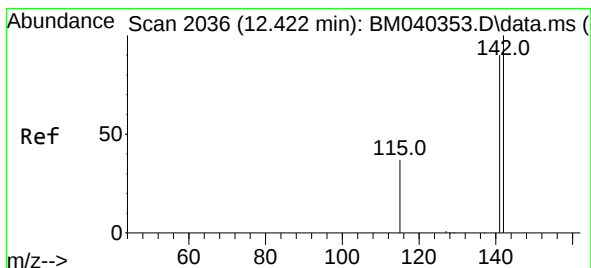
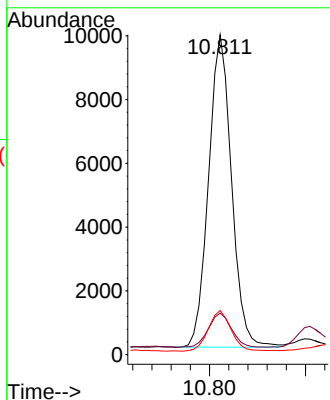
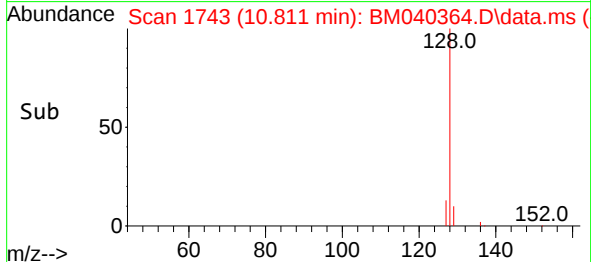
Instrument :
BNA_M
ClientSampleId :
DCFM8



Tgt Ion:128 Resp: 16264
Ion Ratio Lower Upper
128 100
129 13.0 9.2 13.8
127 13.8 10.6 15.8

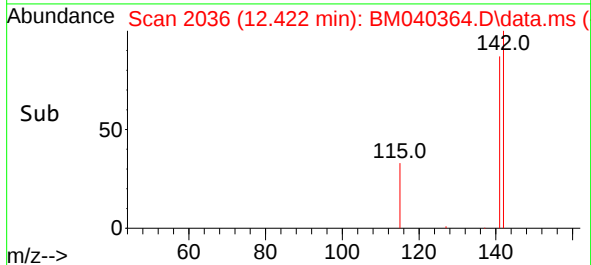
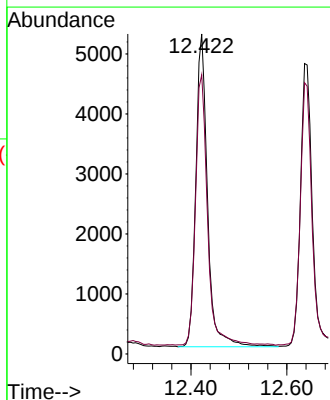
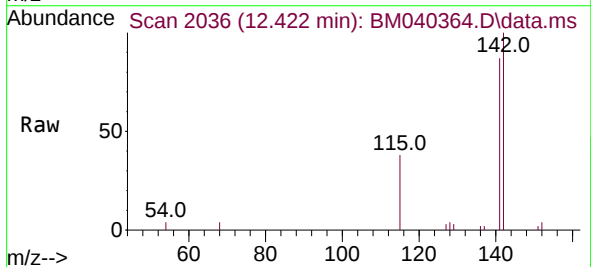
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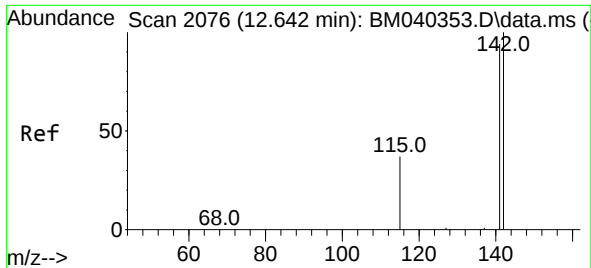
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#7
2-Methylnaphthalene
Concen: 0.163 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

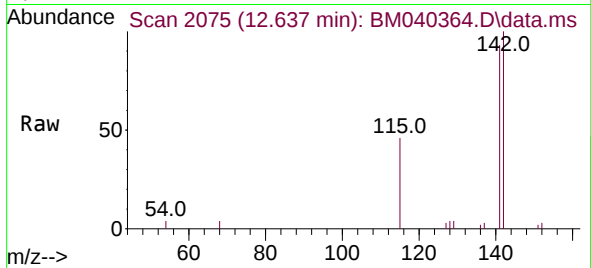
Tgt Ion:142 Resp: 8800
Ion Ratio Lower Upper
142 100
141 88.7 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.148 ng/ul
RT: 12.637 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

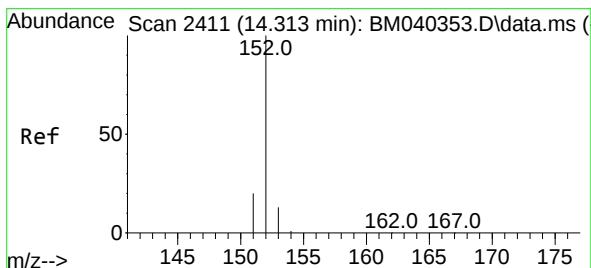
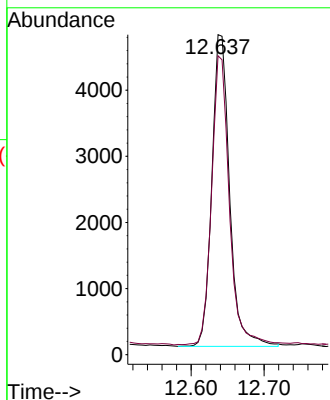
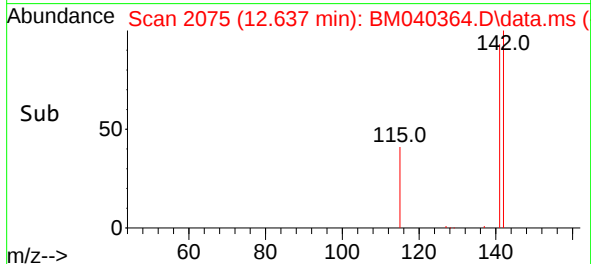
Instrument :
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Tgt Ion:142 Resp: 7992
Ion Ratio Lower Upper
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141 91.9 73.7 110.5

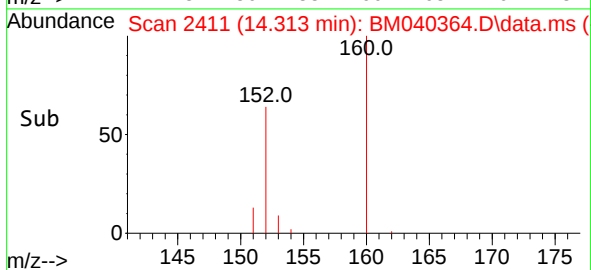
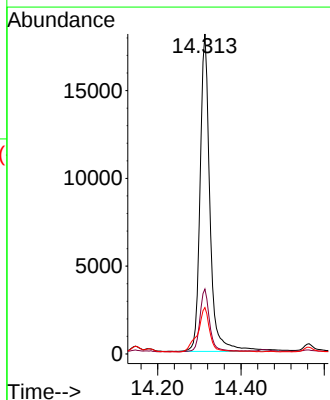
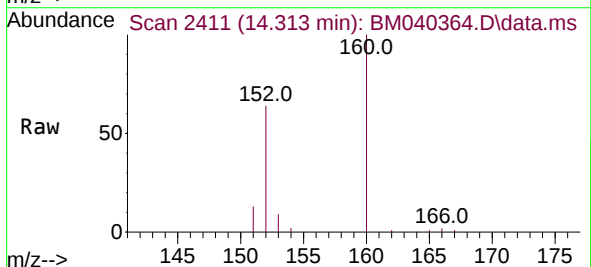
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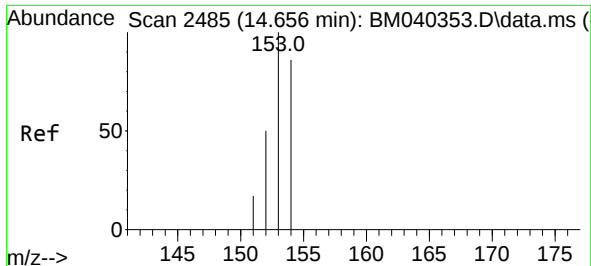
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#10
Acenaphthylene
Concen: 0.384 ng/ul
RT: 14.313 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

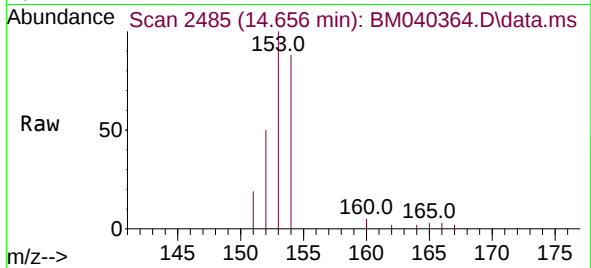
Tgt Ion:152 Resp: 29797
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 14.5 10.9 16.3





#11
Acenaphthene
Concen: 0.171 ng/ul
RT: 14.656 min Scan# 2485
Delta R.T. -0.000 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

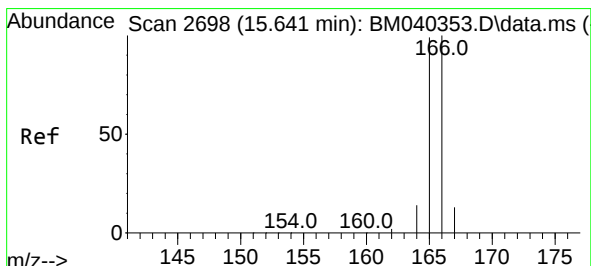
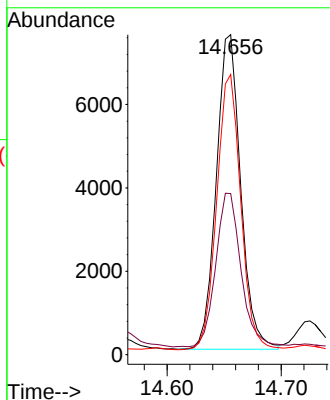
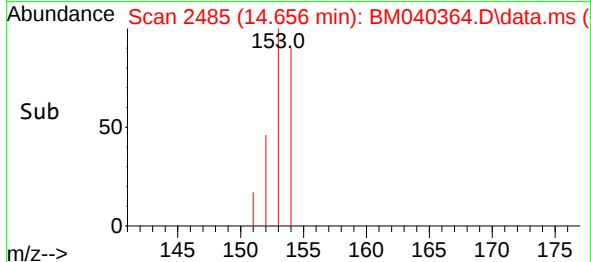
Instrument :
BNA_M
ClientSampleId :
DCFM8



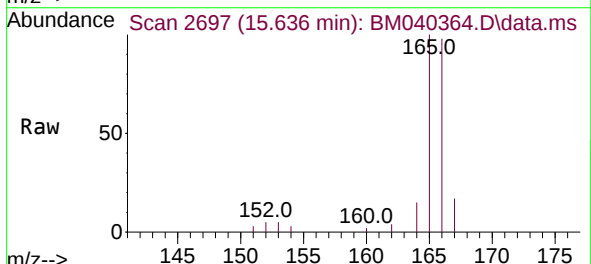
Tgt Ion:153 Resp: 1121
Ion Ratio Lower Upper
153 100
152 50.4 41.0 61.4
154 87.5 70.8 106.2

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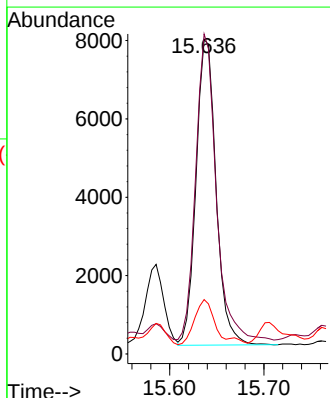
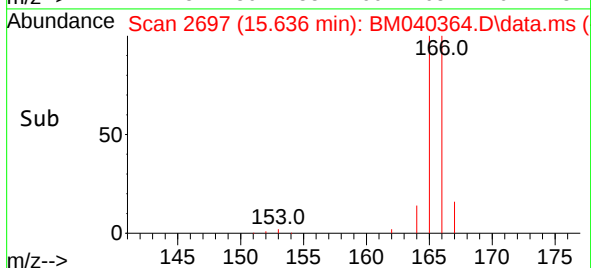
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

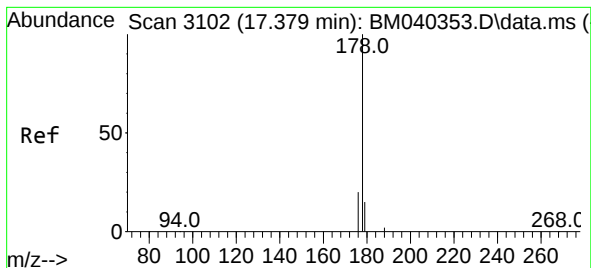


#12
Fluorene
Concen: 0.165 ng/ul
RT: 15.636 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37



Tgt Ion:166 Resp: 11527
Ion Ratio Lower Upper
166 100
165 101.8 79.6 119.4
167 17.3 11.4 17.0#





#15

Phenanthrene

Concen: 2.446 ng/ul

RT: 17.379 min Scan# 3102

Delta R.T. -0.000 min

Lab File: BM040364.D

Acq: 23 Jun 2023 00:37

Instrument :

BNA_M

ClientSampleId :

DCFM8

Tgt Ion:178 Resp: 21514

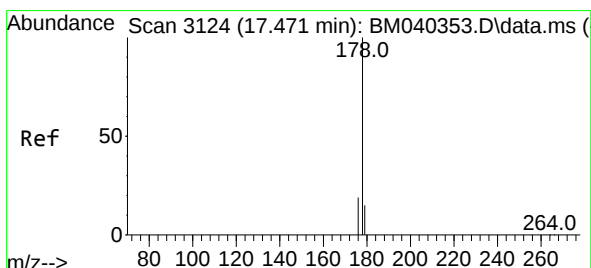
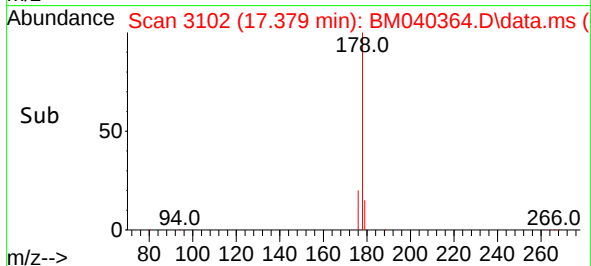
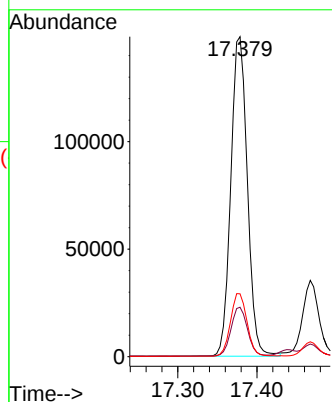
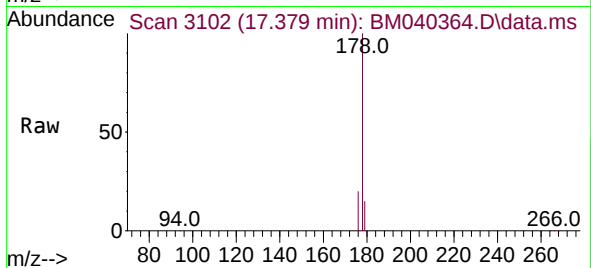
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.8	19.2
176	19.7	16.4	24.6

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2023



#16

Anthracene

Concen: 0.652 ng/ul

RT: 17.467 min Scan# 3123

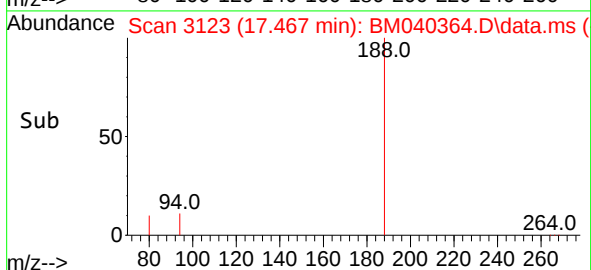
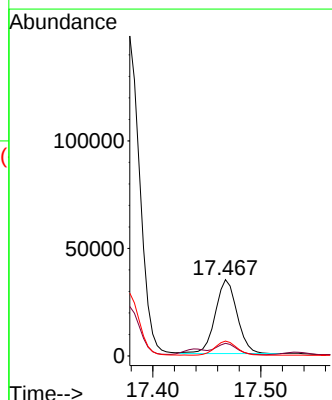
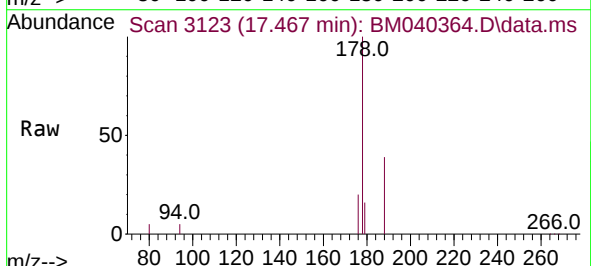
Delta R.T. -0.004 min

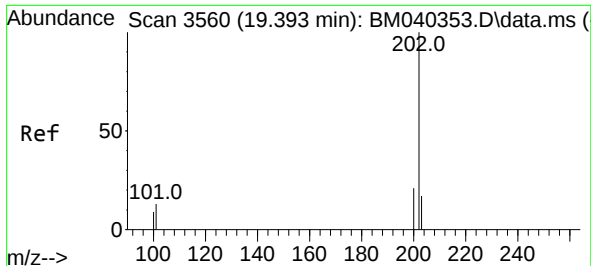
Lab File: BM040364.D

Acq: 23 Jun 2023 00:37

Tgt Ion:178 Resp: 48158

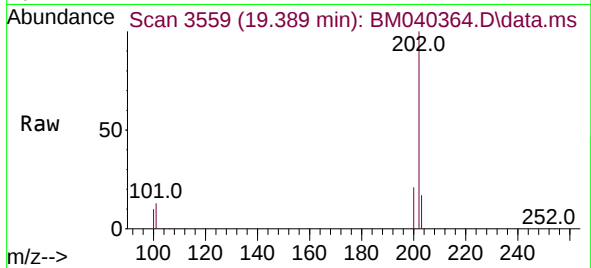
Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.9	19.3
176	19.5	15.8	23.6





#19
Fluoranthene
Concen: 6.839 ng/u1
RT: 19.389 min Scan# 3559
Delta R.T. -0.000 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

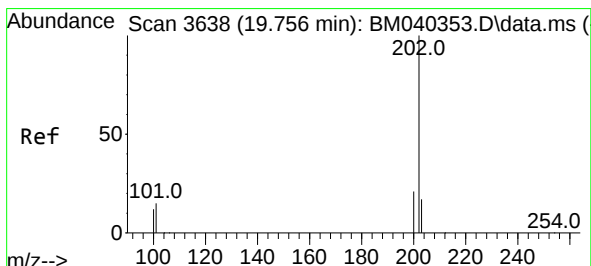
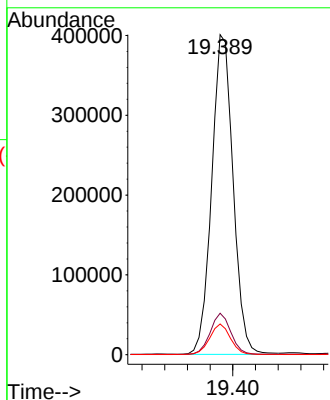
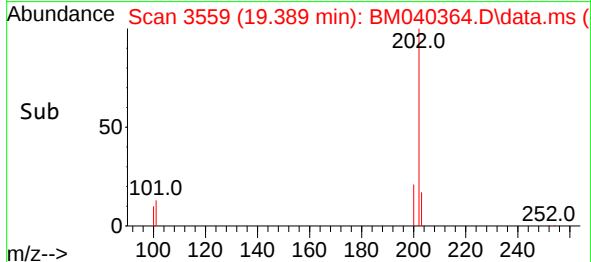
Instrument :
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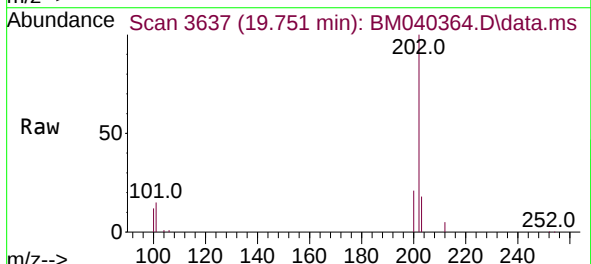
Tgt Ion:202 Resp: 523400
Ion Ratio Lower Upper
202 100
101 12.9 11.4 17.0
100 9.6 8.7 13.1

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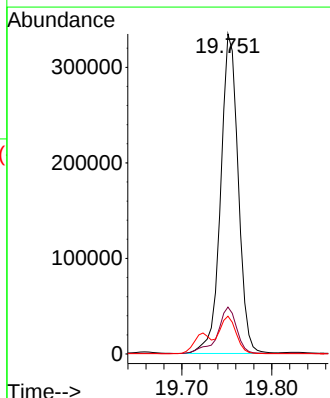
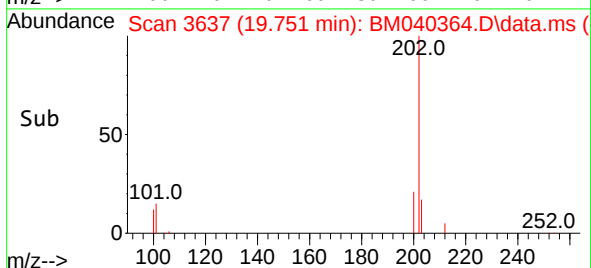
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

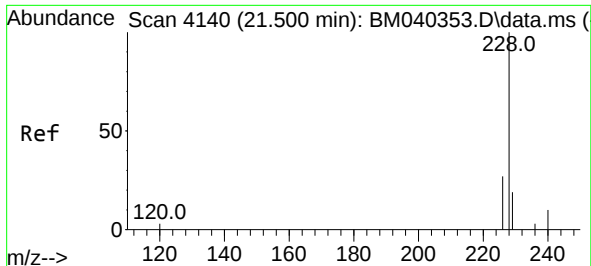


#20
Pyrene
Concen: 5.514 ng/u1
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37



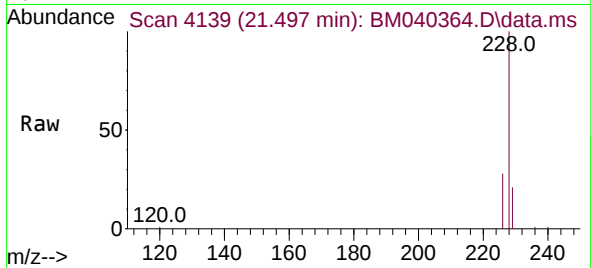
Tgt Ion:202 Resp: 452485
Ion Ratio Lower Upper
202 100
101 14.6 12.6 18.8
100 11.8 9.8 14.6





#21
Benzo(a)anthracene
Concen: 4.439 ng/u1
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

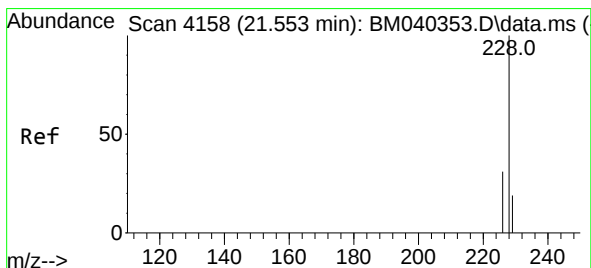
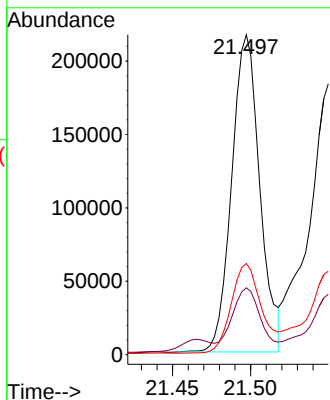
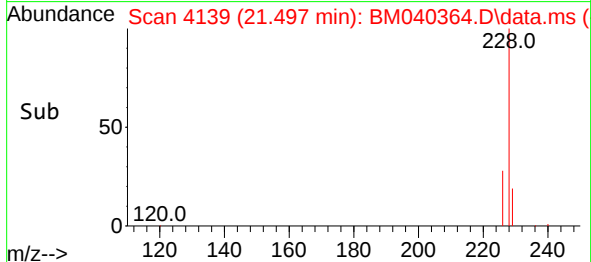
Instrument :
BNA_M
ClientSampleId :
DCFM8



Tgt Ion:228 Resp: 270538
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.5 22.3 33.5

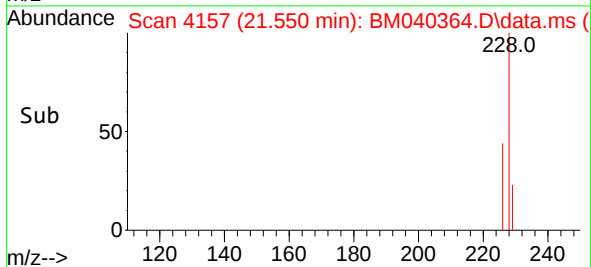
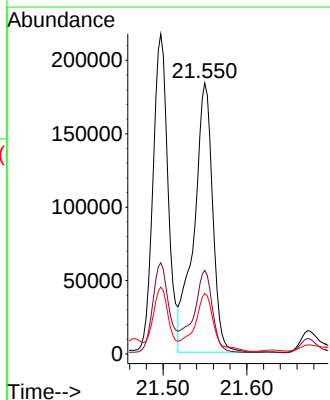
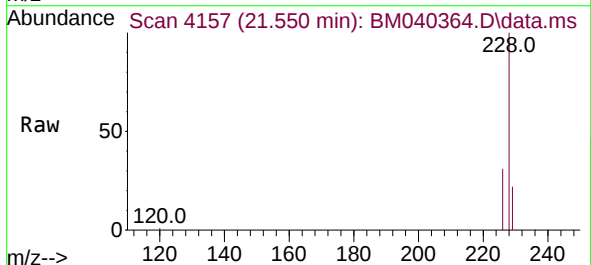
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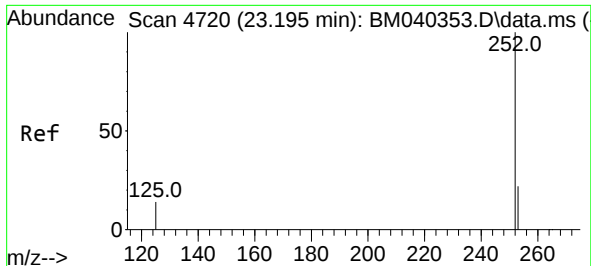
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#22
Chrysene
Concen: 4.084 ng/u1
RT: 21.550 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

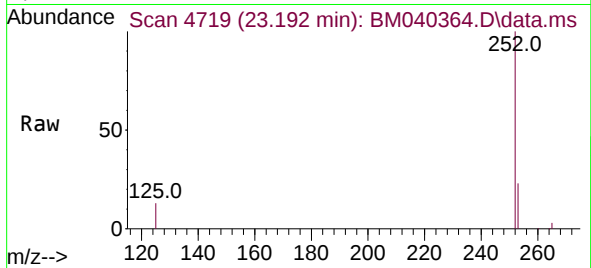
Tgt Ion:228 Resp: 283902
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 5.957 ng/ul
RT: 23.192 min Scan# 4719
Delta R.T. -0.000 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

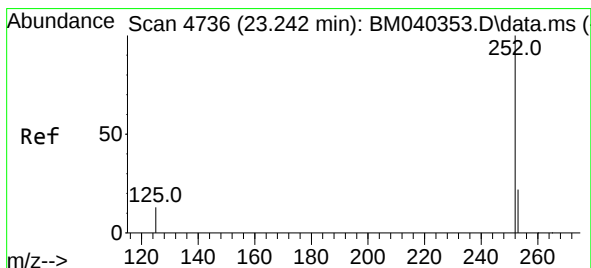
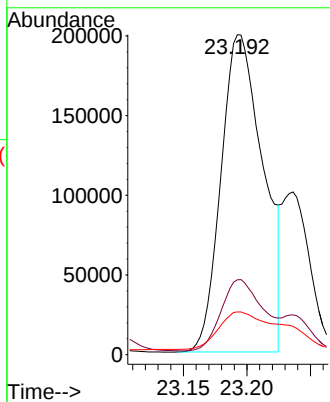
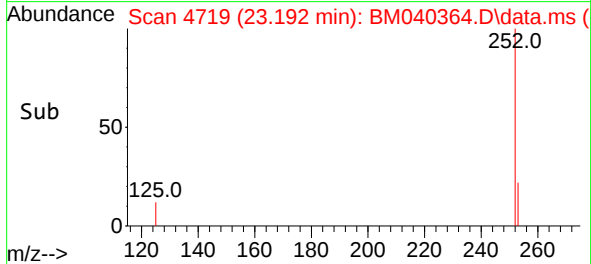
Instrument :
BNA_M
ClientSampleId :
DCFM8



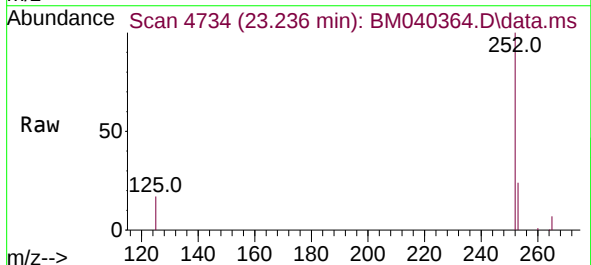
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Ion Ratio Lower Upper
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253 23.4 0.0 52.8
125 13.4 0.0 43.0

Manual Integrations
APPROVED

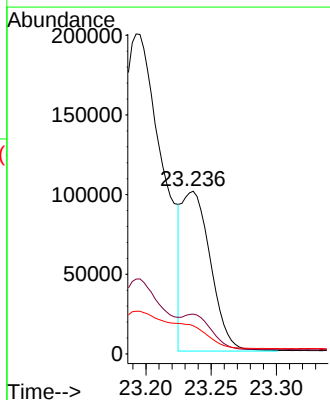
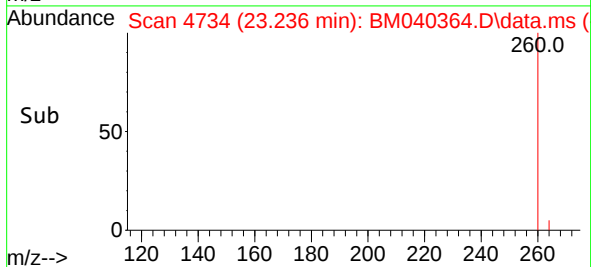
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

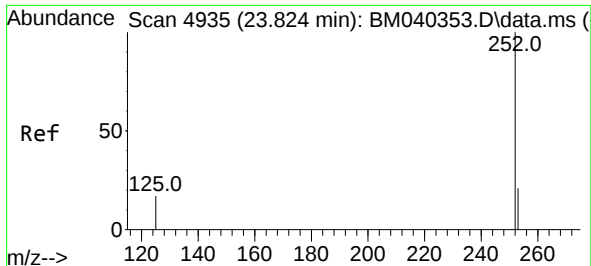


#25
Benzo(k)fluoranthene
Concen: 2.020 ng/ul m
RT: 23.236 min Scan# 4734
Delta R.T. -0.006 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37



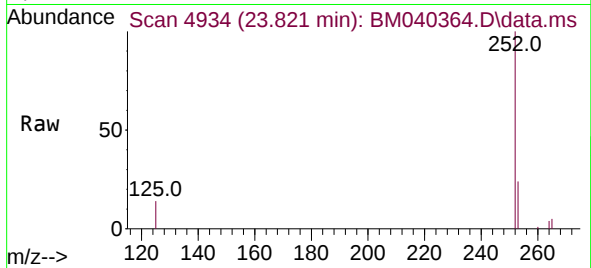
Tgt Ion:252 Resp: 153624
Ion Ratio Lower Upper
252 100
253 24.5 21.2 31.8
125 17.3 16.4 24.6





#26
Benzo(a)pyrene
Concen: 4.202 ng/ul
RT: 23.821 min Scan# 4935
Delta R.T. -0.003 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

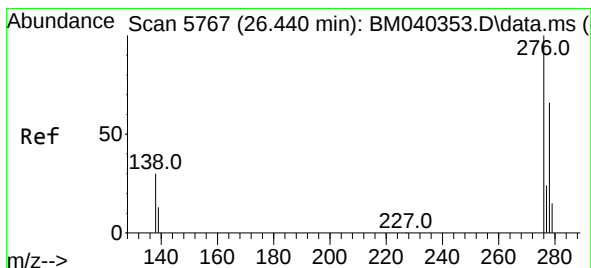
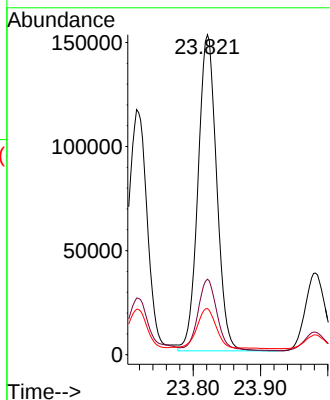
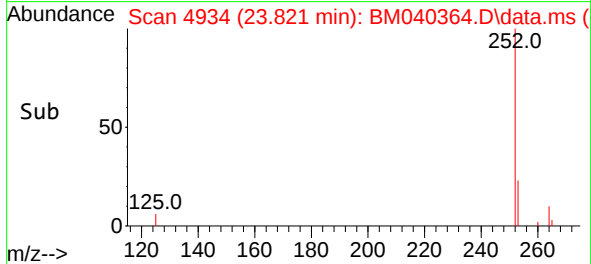
Instrument :
BNA_M
ClientSampleId :
DCFM8



Tgt Ion:252 Resp: 292090
Ion Ratio Lower Upper
252 100
253 23.6 22.9 34.3
125 14.4 21.0 31.4

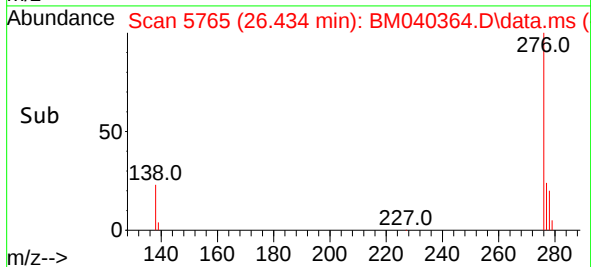
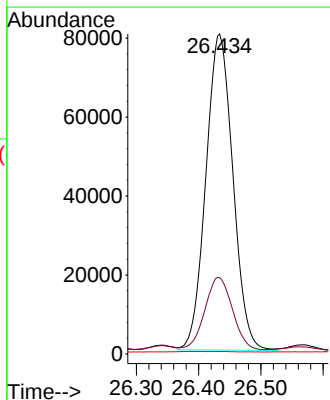
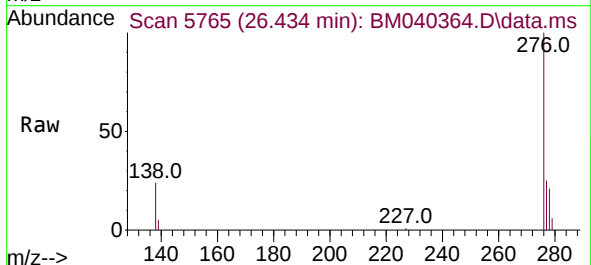
Manual Integrations
APPROVED

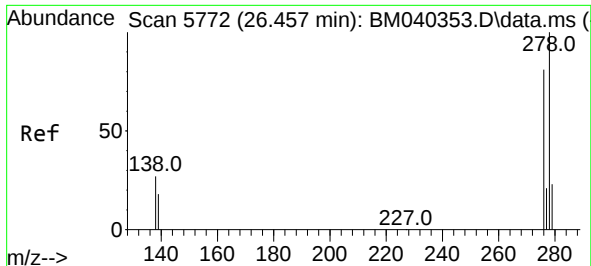
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.491 ng/ul
RT: 26.434 min Scan# 5765
Delta R.T. -0.000 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

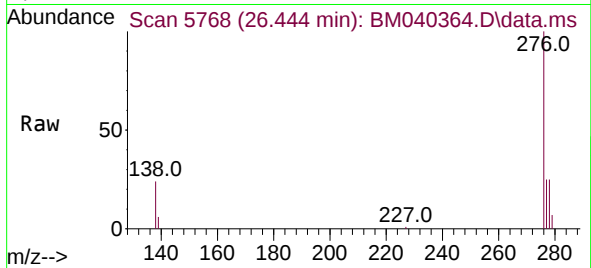
Tgt Ion:276 Resp: 241159
Ion Ratio Lower Upper
276 100
138 23.5 24.5 36.7#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.810 ng/ul
RT: 26.444 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

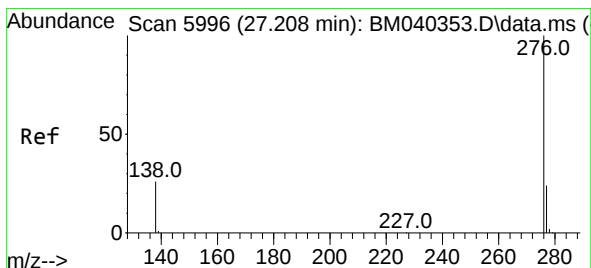
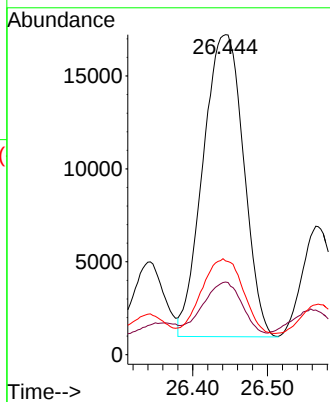
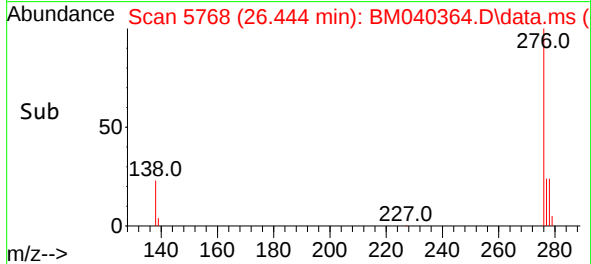
Instrument :
BNA_M
ClientSampleId :
DCFM8



Tgt Ion:278 Resp: 61420
Ion Ratio Lower Upper
278 100
139 22.7 17.9 26.9
279 29.3 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: 2.600 ng/ul
RT: 27.209 min Scan# 5996
Delta R.T. 0.003 min
Lab File: BM040364.D
Acq: 23 Jun 2023 00:37

Tgt Ion:276 Resp: 220647
Ion Ratio Lower Upper
276 100
138 24.8 23.0 34.6
277 24.5 20.3 30.5

