

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040409.D
 Acq On : 26 Jun 2023 19:48
 Operator : MA/JU
 Sample : 03084-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 27 04:27:10 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	7.949	152	6410	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	19457	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.586	164	9231	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	17539	0.400	ng/ul	0.00
17) Chrysene-d12	21.515	240	12215	0.400	ng/ul #	0.00
23) Perylene-d12	23.932	264	23305	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	31470	3.125	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	6376	0.234	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	11460	0.293	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.805	128	85483	1.593	ng/ul	100
7) 2-Methylnaphthalene	12.417	142	44717	1.419	ng/ul	98
8) 1-Methylnaphthalene	12.637	142	36308	1.153	ng/ul	100
10) Acenaphthylene	14.309	152	263159	6.382	ng/ul	99
11) Acenaphthene	14.651	153	53494	1.536	ng/ul	99
12) Fluorene	15.636	166	63812	1.716	ng/ul	98
15) Phenanthrene	17.374	178	1683973	30.910	ng/ul	99
16) Anthracene	17.467	178	439526	9.600	ng/ul	99
19) Fluoranthene	19.393	202	4449027	85.745	ng/ul#	91
20) Pyrene	19.756	202	3548687	63.793	ng/ul	93
21) Benzo(a)anthracene	21.497	228	2177307	52.697	ng/ul	97
22) Chrysene	21.550	228	2098836	44.532	ng/ul	97
24) Benzo(b)fluoranthene	23.201	252	3641900	40.380	ng/ul	87
25) Benzo(k)fluoranthene	23.242	252	1200664m	13.508	ng/ul	
26) Benzo(a)pyrene	23.830	252	2309964	28.433	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.454	276	1949171	17.227	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.464	278	508358	5.738	ng/ul#	94
29) Benzo(g,h,i)perylene	27.235	276	1890572	19.064	ng/ul#	93

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

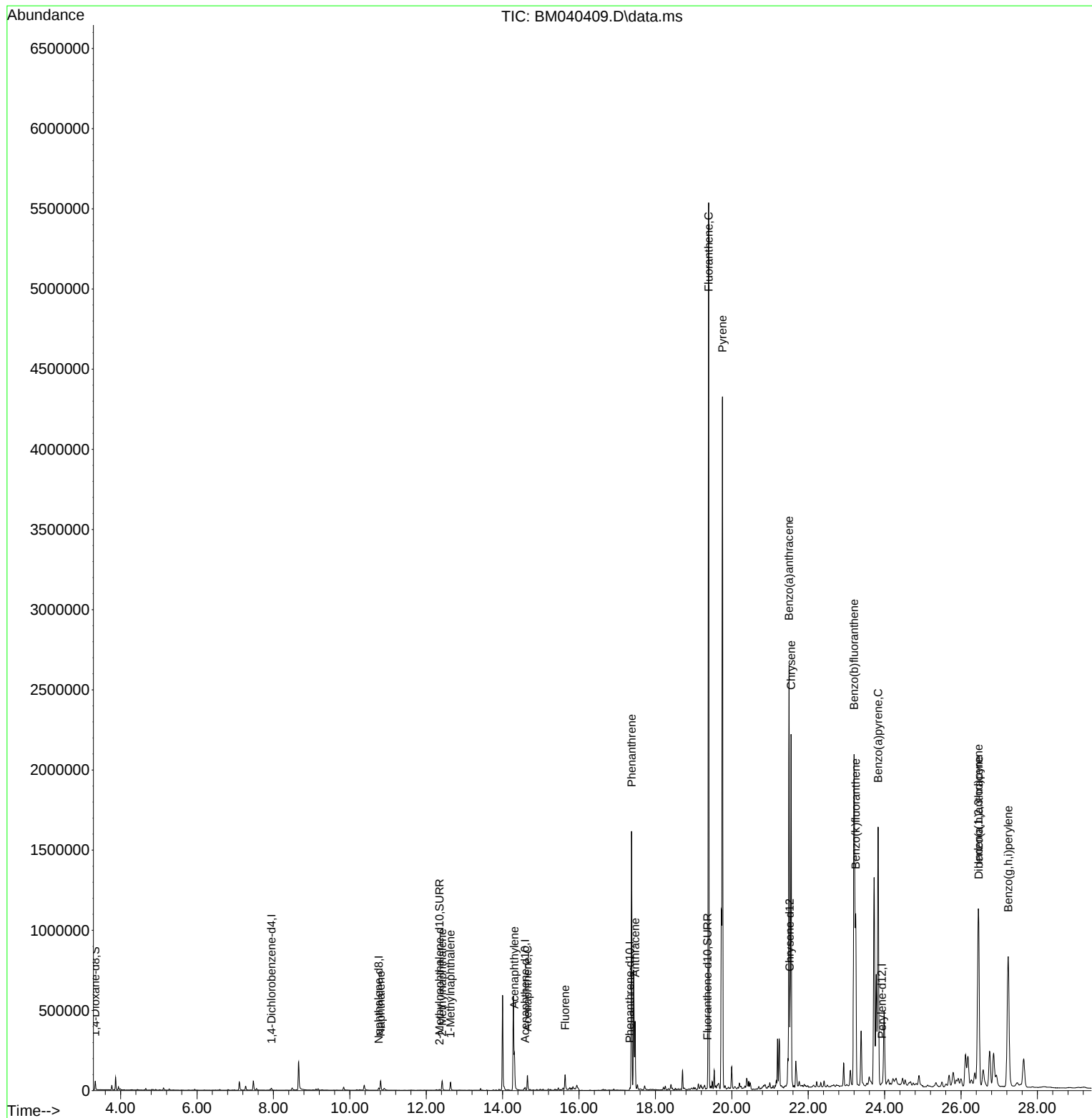
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
Data File : BM040409.D
Acq On : 26 Jun 2023 19:48
Operator : MA/JU
Sample : 03084-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

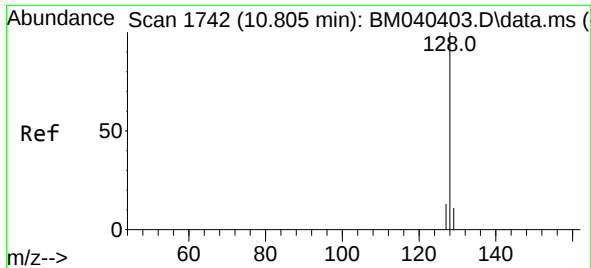
Instrument :
BNA_M
ClientSampleId :
DCFM7

Quant Time: Jun 27 04:27:10 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

Manual Integrations
APPROVED

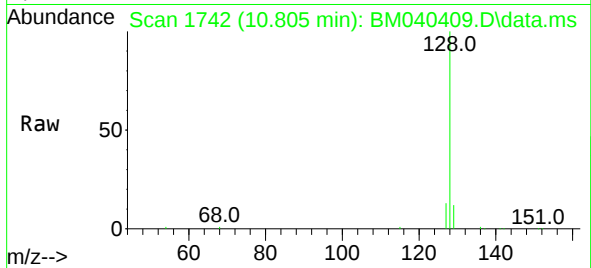
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023





#5
Naphthalene
Concen: 1.593 ng/ul
RT: 10.805 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

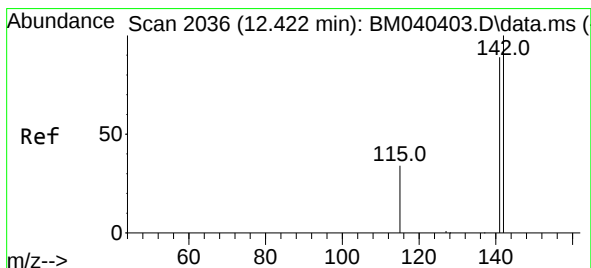
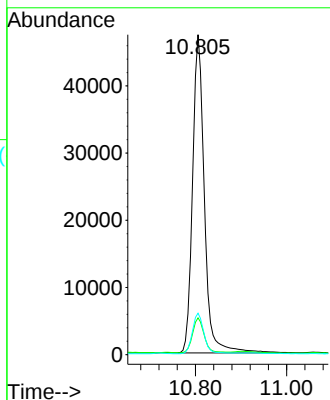
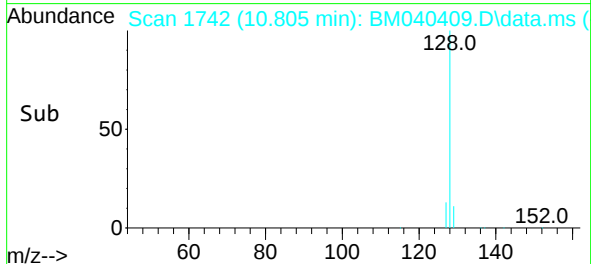
Instrument :
BNA_M
ClientSampleId :
DCFM7



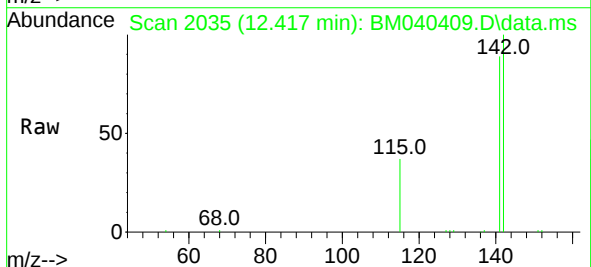
Tgt Ion:128 Resp: 8548
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 12.9 10.6 15.8

Manual Integrations
APPROVED

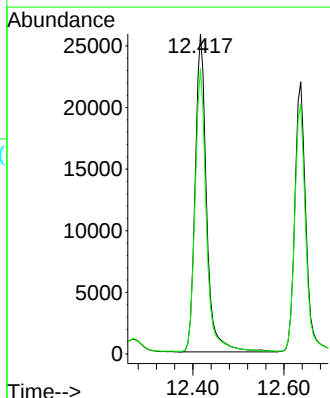
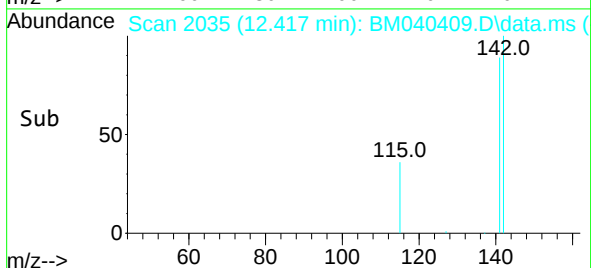
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

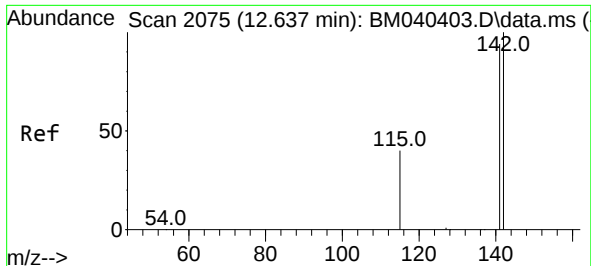


#7
2-Methylnaphthalene
Concen: 1.419 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48



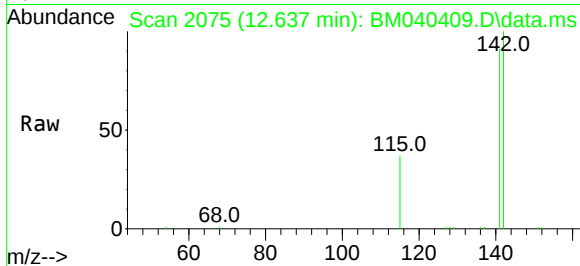
Tgt Ion:142 Resp: 44717
Ion Ratio Lower Upper
142 100
141 87.9 71.9 107.9





#8
1-Methylnaphthalene
Concen: 1.153 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

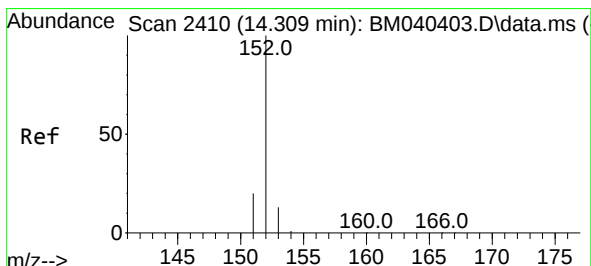
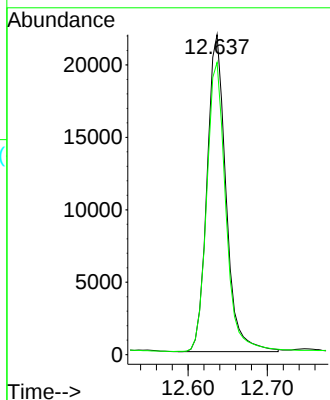
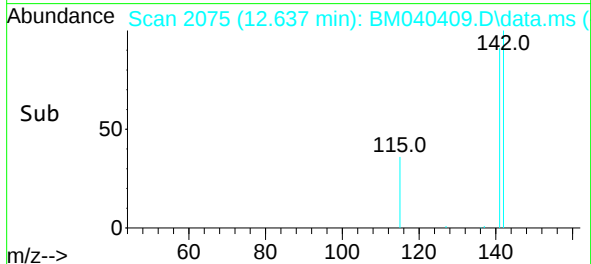
Instrument :
BNA_M
ClientSampleId :
DCFM7



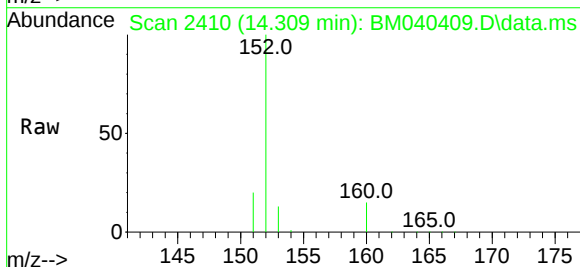
Tgt Ion:142 Resp: 36308
Ion Ratio Lower Upper
142 100
141 91.8 73.7 110.5

Manual Integrations
APPROVED

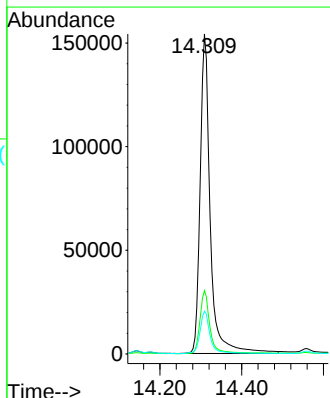
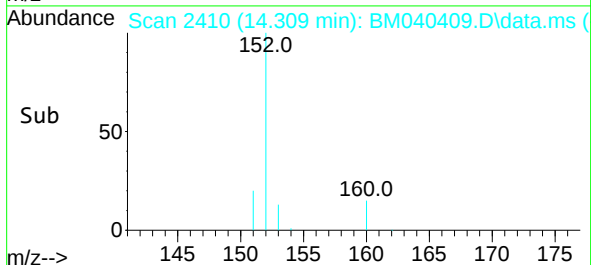
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

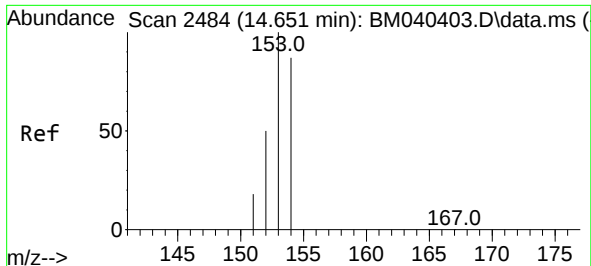


#10
Acenaphthylene
Concen: 6.382 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48



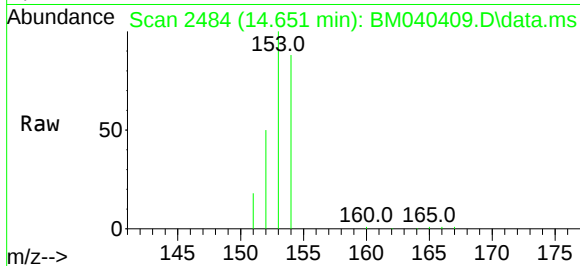
Tgt Ion:152 Resp: 263159
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.4 10.9 16.3





#11
Acenaphthene
Concen: 1.536 ng/ul
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

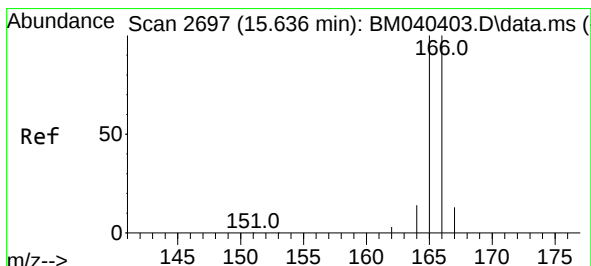
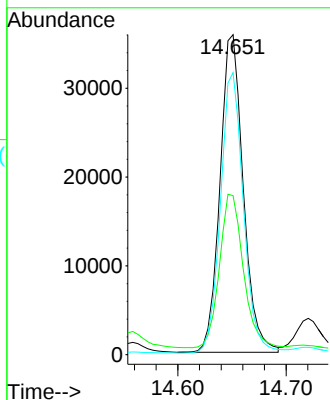
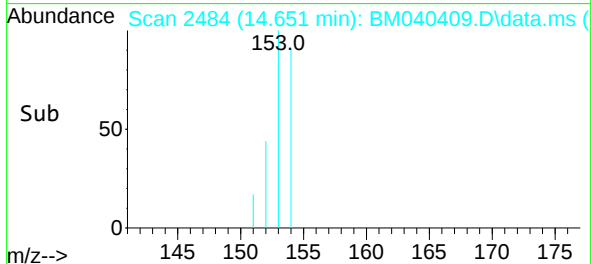
Instrument :
BNA_M
ClientSampleId :
DCFM7



Tgt Ion:153 Resp: 53494
Ion Ratio Lower Upper
153 100
152 49.7 41.0 61.4
154 88.1 70.8 106.2

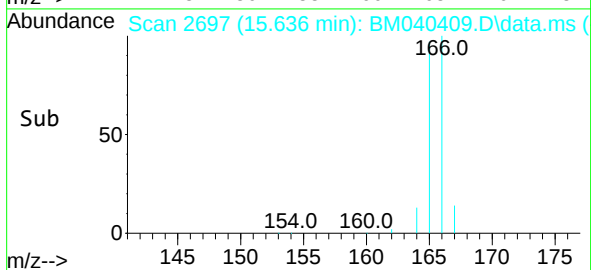
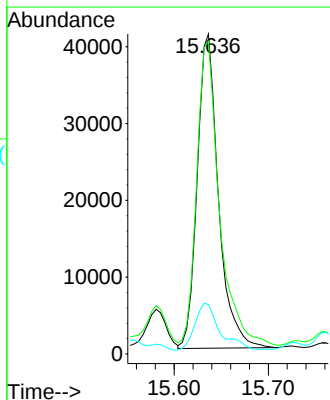
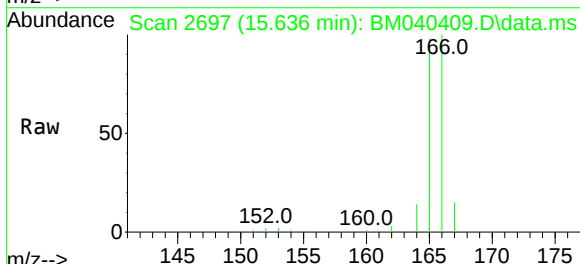
Manual Integrations
APPROVED

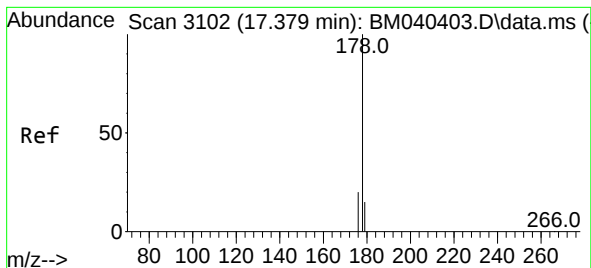
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#12
Fluorene
Concen: 1.716 ng/ul
RT: 15.636 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

Tgt Ion:166 Resp: 63812
Ion Ratio Lower Upper
166 100
165 97.7 79.6 119.4
167 15.4 11.4 17.0





#15

Phenanthrene

Concen: 30.910 ng/u1

RT: 17.374 min Scan# 3102

Delta R.T. -0.004 min

Lab File: BM040409.D

Acq: 26 Jun 2023 19:48

Instrument :

BNA_M

ClientSampleId :

DCFM7

Tgt Ion:178 Resp: 168397

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

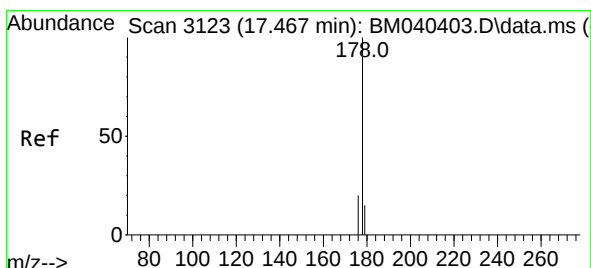
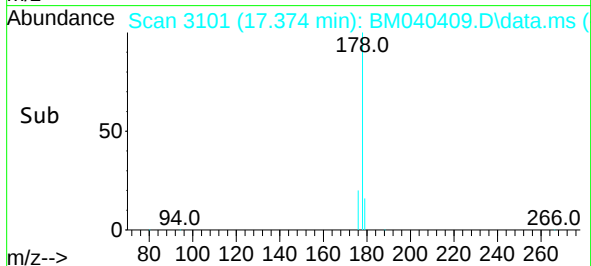
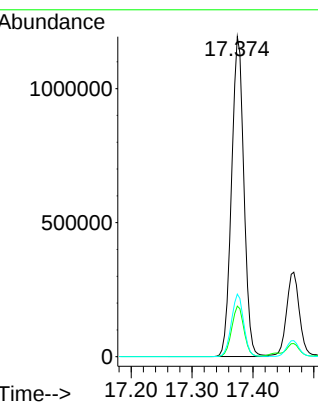
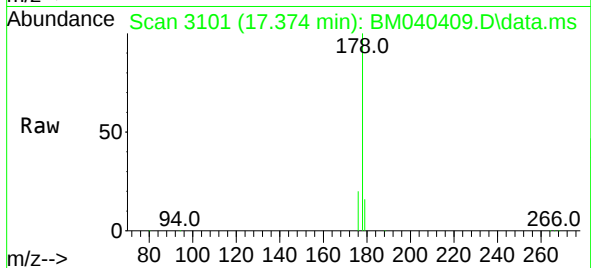
176 19.6 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2023

Supervised By :mohammad ahmed 06/27/2023



#16

Anthracene

Concen: 9.600 ng/u1

RT: 17.467 min Scan# 3123

Delta R.T. -0.004 min

Lab File: BM040409.D

Acq: 26 Jun 2023 19:48

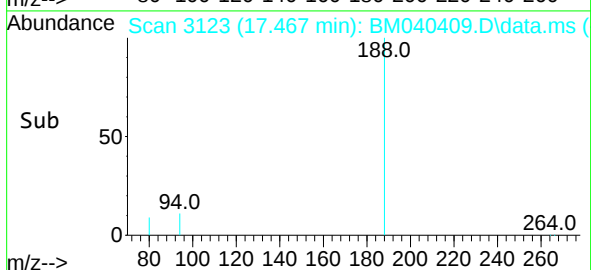
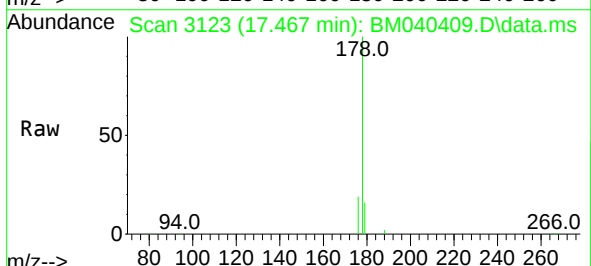
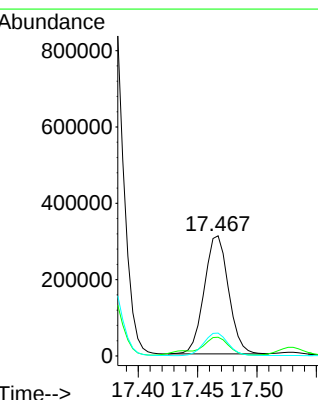
Tgt Ion:178 Resp: 439526

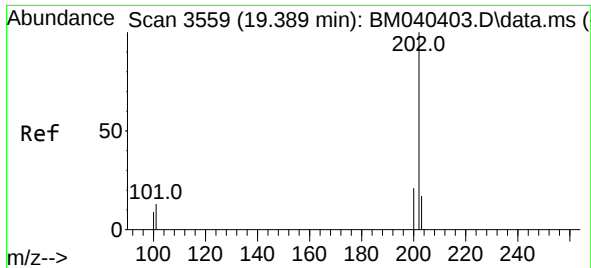
Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

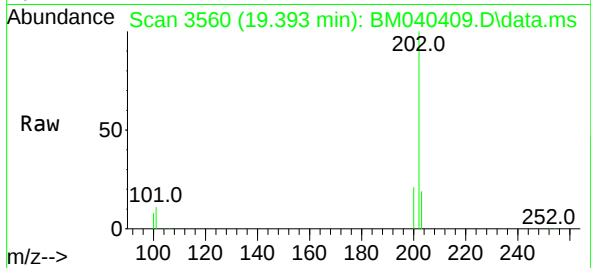
176 19.0 15.8 23.6





#19
Fluoranthene
Concen: 85.745 ng/u1
RT: 19.393 min Scan# 3560
Delta R.T. 0.004 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

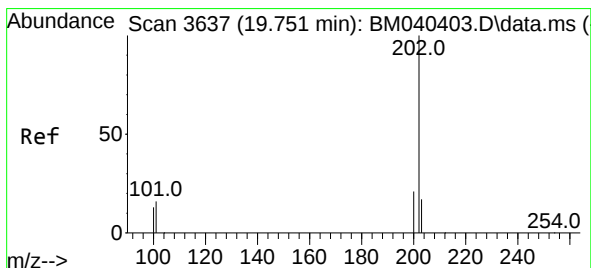
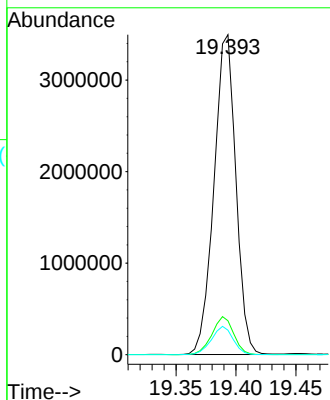
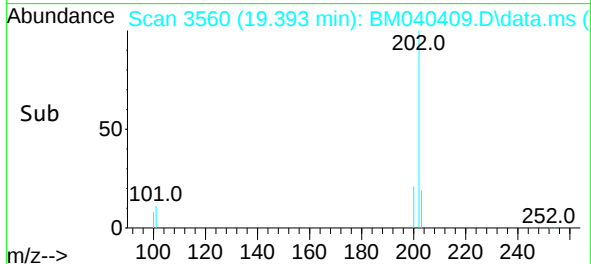
Instrument :
BNA_M
ClientSampleId :
DCFM7



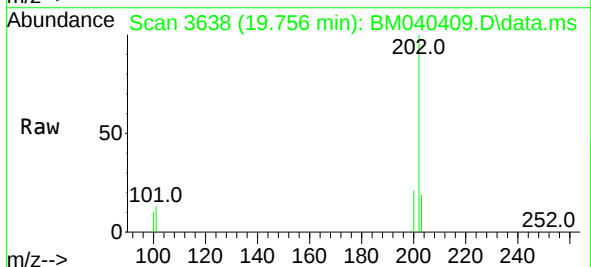
Tgt Ion:202 Resp: 444902
Ion Ratio Lower Upper
202 100
101 10.6 11.4 17.0
100 7.6 8.7 13.1

Manual Integrations
APPROVED

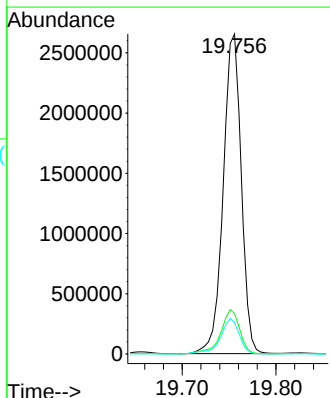
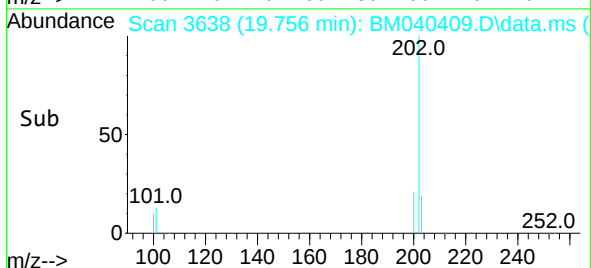
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

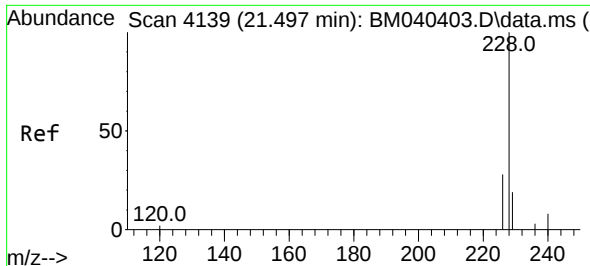


#20
Pyrene
Concen: 63.793 ng/u1
RT: 19.756 min Scan# 3638
Delta R.T. -0.000 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48



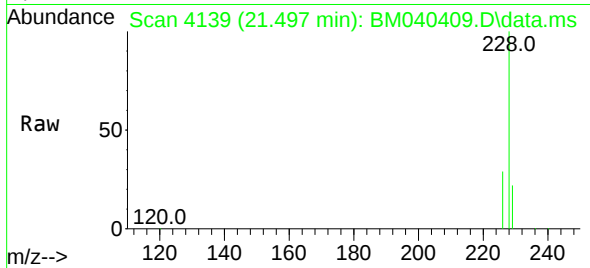
Tgt Ion:202 Resp: 3548687
Ion Ratio Lower Upper
202 100
101 12.6 12.6 18.8
100 9.8 9.8 14.6





#21
Benzo(a)anthracene
Concen: 52.697 ng/u1
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

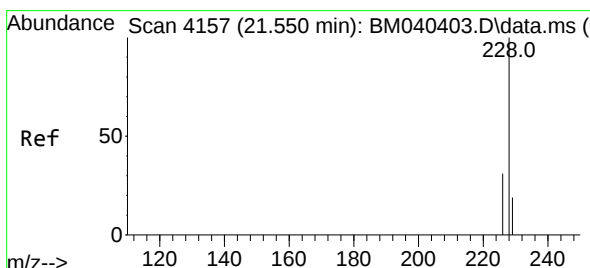
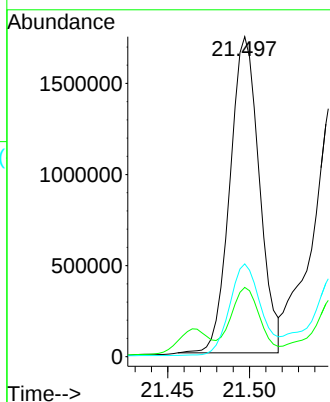
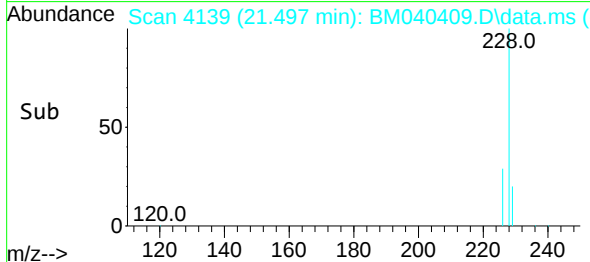
Instrument :
BNA_M
ClientSampleId :
DCFM7



Tgt Ion:228 Resp: 2177307
Ion Ratio Lower Upper
228 100
229 21.7 16.0 24.0
226 29.0 22.3 33.5

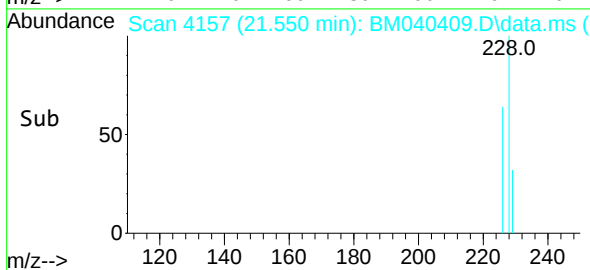
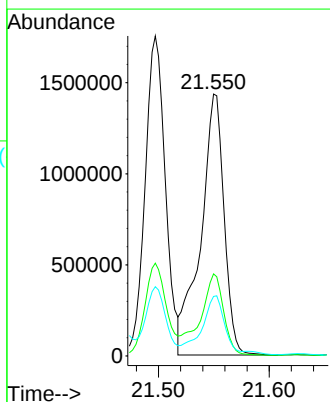
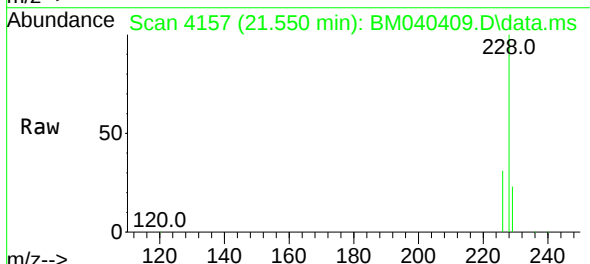
Manual Integrations
APPROVED

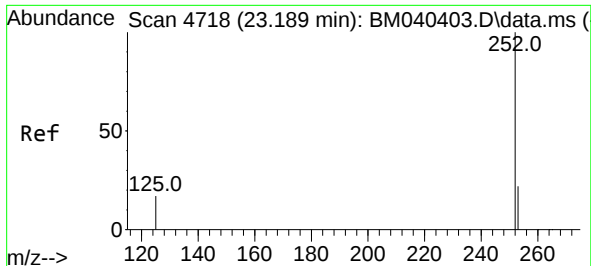
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#22
Chrysene
Concen: 44.532 ng/u1
RT: 21.550 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

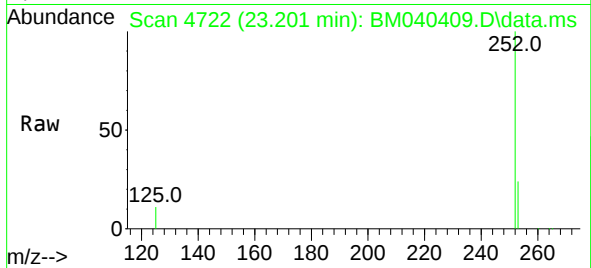
Tgt Ion:228 Resp: 2098836
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 22.7 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 40.380 ng/ul
RT: 23.201 min Scan# 4722
Delta R.T. 0.009 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

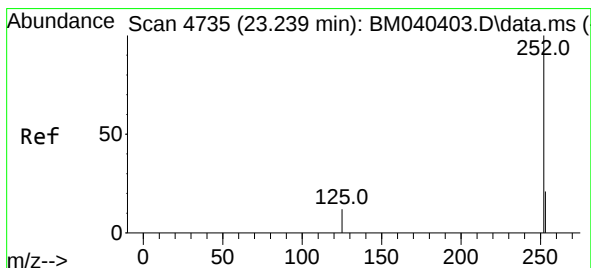
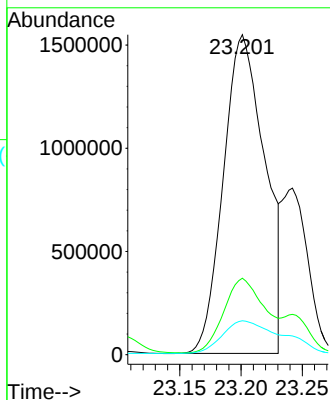
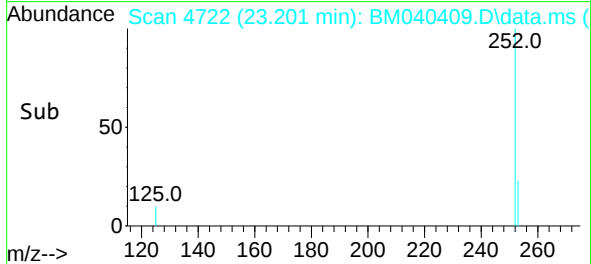
Instrument :
BNA_M
ClientSampleId :
DCFM7



Tgt Ion:252 Resp: 3641900
Ion Ratio Lower Upper
252 100
253 23.9 0.0 52.8
125 10.6 0.0 43.0

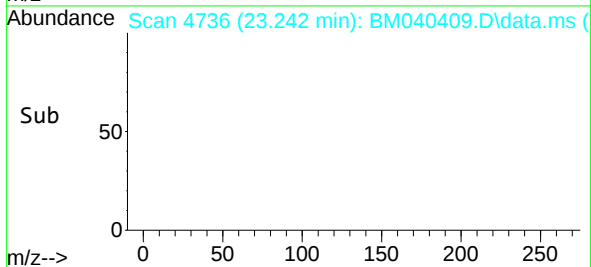
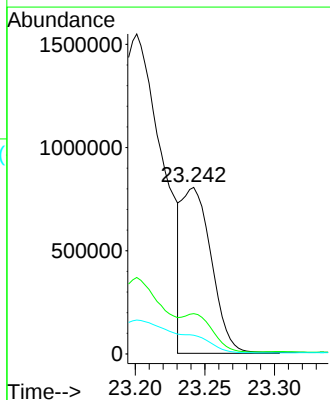
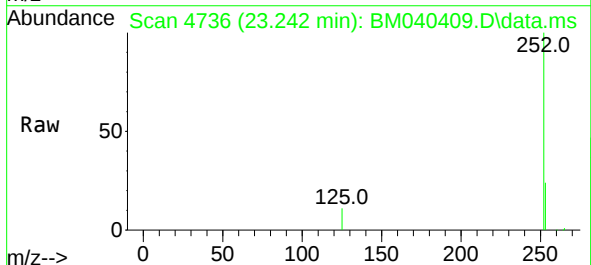
Manual Integrations
APPROVED

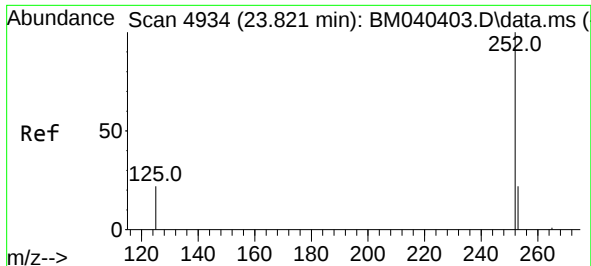
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#25
Benzo(k)fluoranthene
Concen: 13.508 ng/ul m
RT: 23.242 min Scan# 4736
Delta R.T. -0.000 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

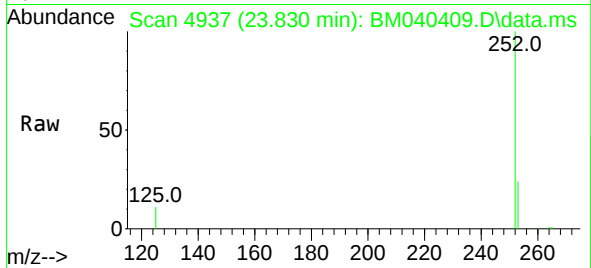
Tgt Ion:252 Resp: 1200664
Ion Ratio Lower Upper
252 100
253 24.3 21.2 31.8
125 11.3 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 28.433 ng/ul
RT: 23.830 min Scan# 4934
Delta R.T. 0.006 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

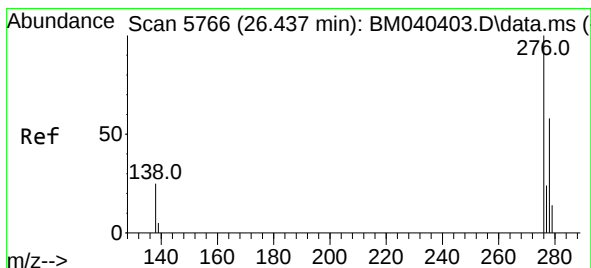
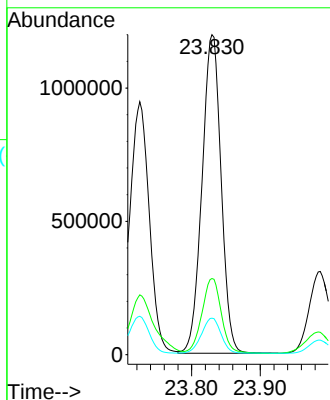
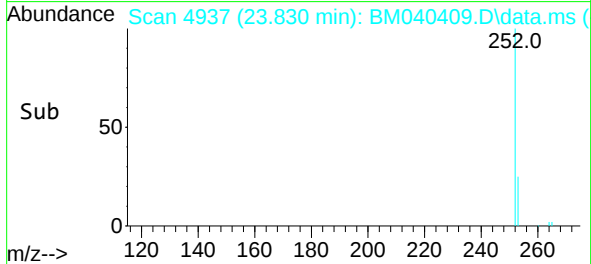
Instrument :
BNA_M
ClientSampleId :
DCFM7



Tgt Ion:252 Resp: 2309964
Ion Ratio Lower Upper
252 100
253 23.8 22.9 34.3
125 11.4 21.0 31.4

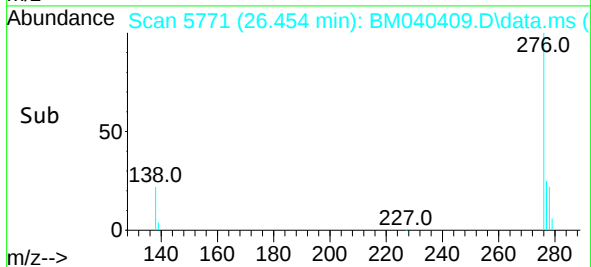
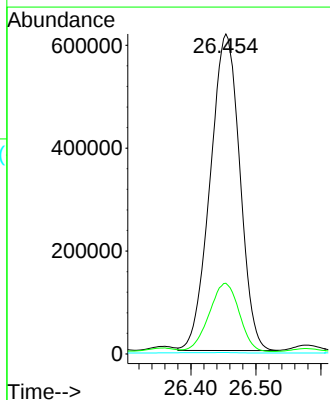
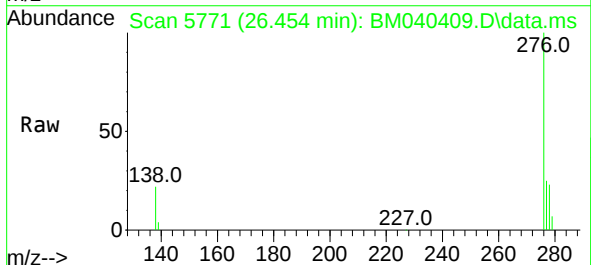
Manual Integrations
APPROVED

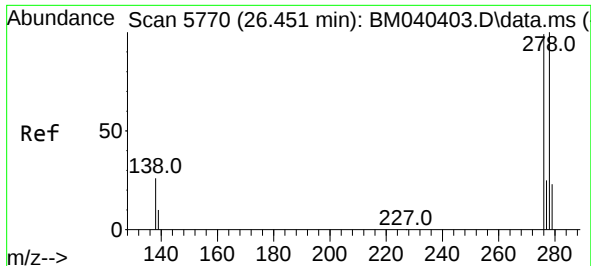
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 17.227 ng/ul
RT: 26.454 min Scan# 5771
Delta R.T. 0.020 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

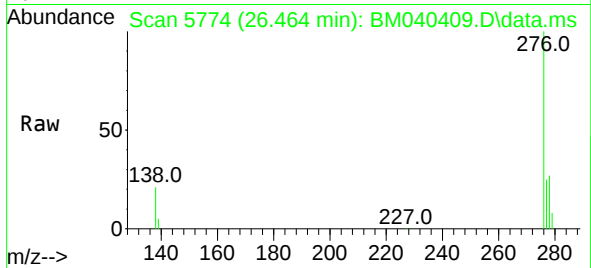
Tgt Ion:276 Resp: 1949171
Ion Ratio Lower Upper
276 100
138 21.9 24.5 36.7#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 5.738 ng/ul
RT: 26.464 min Scan# 51
Delta R.T. 0.010 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

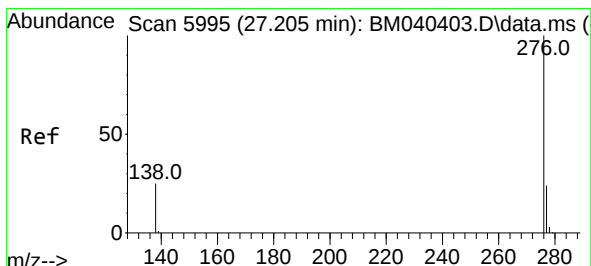
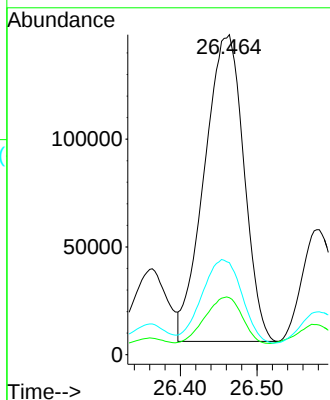
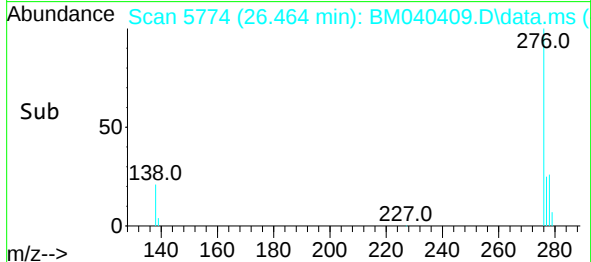
Instrument :
BNA_M
ClientSampleId :
DCFM7



Tgt Ion:278 Resp: 508358
Ion Ratio Lower Upper
278 100
139 17.8 17.9 26.9
279 28.7 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#29
Benzo(g,h,i)perylene
Concen: 19.064 ng/ul
RT: 27.235 min Scan# 6004
Delta R.T. 0.030 min
Lab File: BM040409.D
Acq: 26 Jun 2023 19:48

Tgt Ion:276 Resp: 1890572
Ion Ratio Lower Upper
276 100
138 22.5 23.0 34.6
277 24.4 20.3 30.5

