

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041045.D
 Acq On : 22 Jul 2023 09:02
 Operator : MA/JU
 Sample : 03540-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4732

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 22 22:35:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 22 22:33:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	4352	0.400	ng/ul	0.00
4) Naphthalene-d8	10.658	136	14469	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.509	164	8245	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	23307	0.400	ng/ul	0.00
17) Chrysene-d12	21.460	240	11627	0.400	ng/ul	0.00
23) Perylene-d12	23.851	264	14719	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	9344	1.306	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	5571	0.289	ng/ul	-0.01
18) Fluoranthene-d10	19.296	212	11215	0.229	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.707	128	7926	0.200	ng/ul	96
7) 2-Methylnaphthalene	12.330	142	4381	0.202	ng/ul	100
8) 1-Methylnaphthalene	12.550	142	5170	0.224	ng/ul	97
10) Acenaphthylene	14.231	152	31240	0.905	ng/ul	99
11) Acenaphthene	14.573	153	36689	1.205	ng/ul	97
12) Fluorene	15.563	166	51739	1.642	ng/ul	98
14) Pentachlorophenol	16.923	266	180	0.038	ng/ul	92
15) Phenanthrene	17.307	178	785280	11.272	ng/ul	98
16) Anthracene	17.396	178	150237	2.768	ng/ul	97
19) Fluoranthene	19.329	202	1108890	18.472	ng/ul#	92
20) Pyrene	19.691	202	401032	6.539	ng/ul#	92
21) Benzo(a)anthracene	21.442	228	481371	13.591	ng/ul	99
22) Chrysene	21.498	228	424910	10.494	ng/ul	99
24) Benzo(b)fluoranthene	23.120	252	422542	7.479	ng/ul	84
25) Benzo(k)fluoranthene	23.167	252	166223m	3.097	ng/ul	
26) Benzo(a)pyrene	23.740	252	48443	0.993	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.310	276	60388	0.933	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.327	278	57882m	1.182	ng/ul	
29) Benzo(g,h,i)perylene	27.075	276	3150	0.053	ng/ul#	30

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

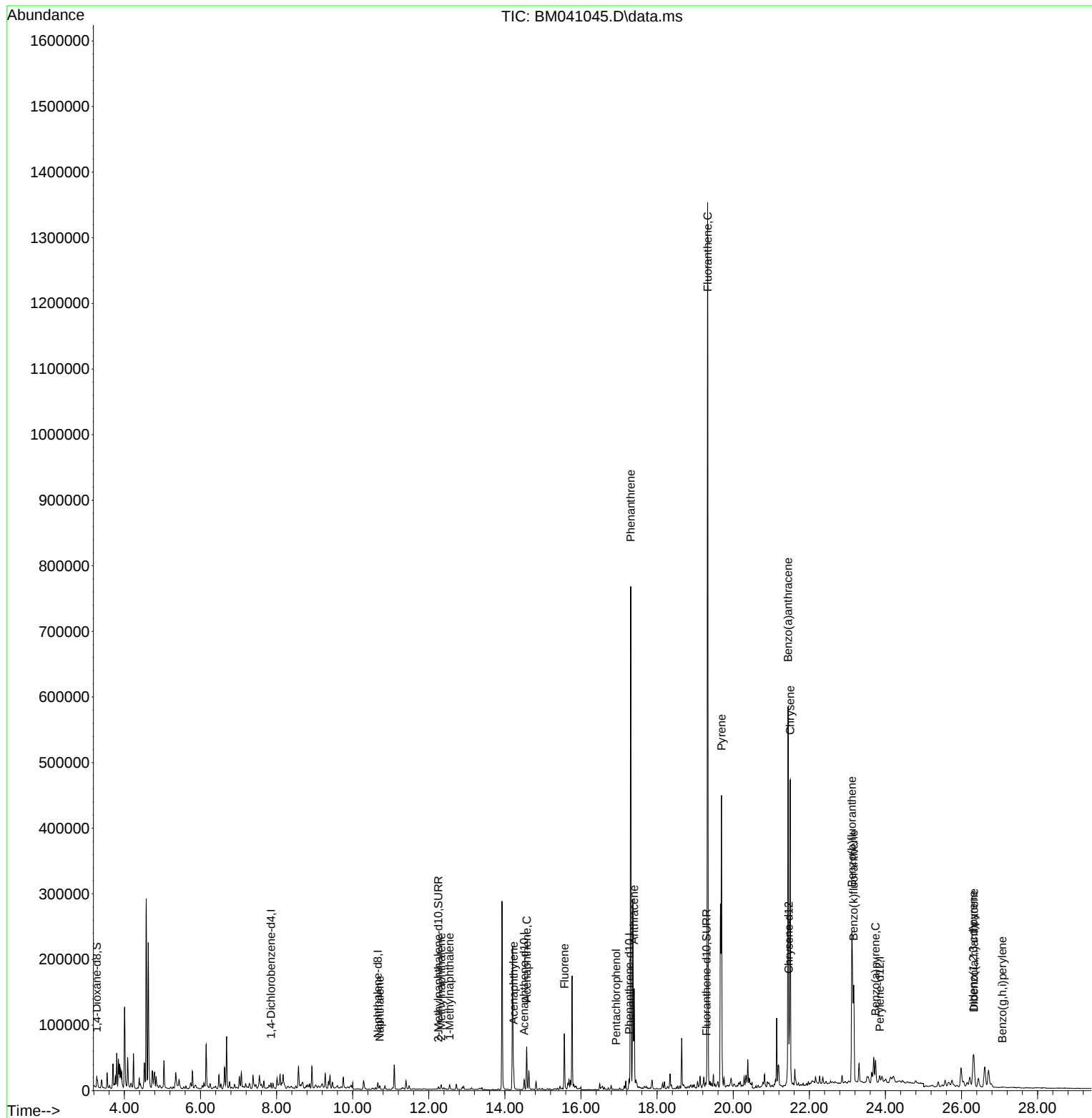
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041045.D
Acq On : 22 Jul 2023 09:02
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ALS Vial : 35 Sample Multiplier: 1

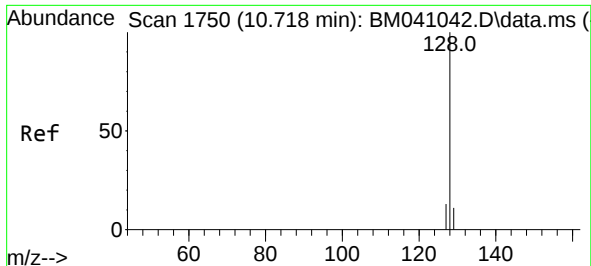
Instrument :
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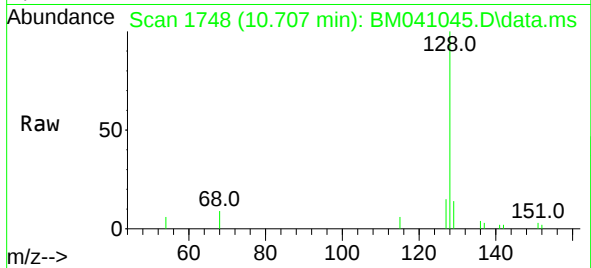
Quant Time: Jul 22 22:35:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 22 22:33:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.200 ng/ul
RT: 10.707 min Scan# 1748
Delta R.T. -0.011 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

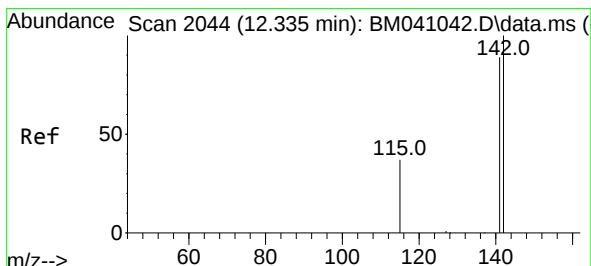
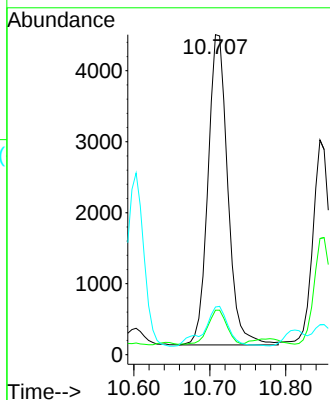
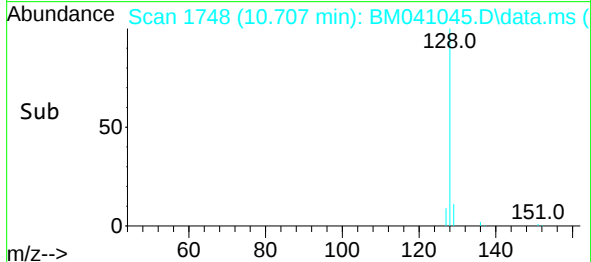
Instrument :
BNA_M
ClientSampleId :
A4732



Tgt Ion:128 Resp: 7920
Ion Ratio Lower Upper
128 100
129 13.9 9.8 14.8
127 14.9 11.0 16.4

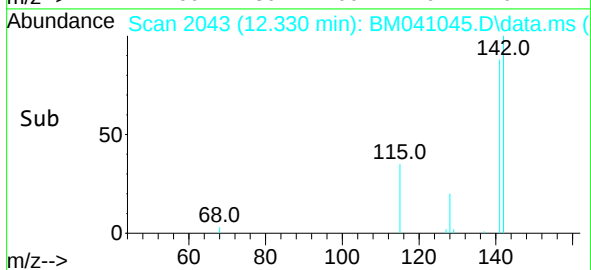
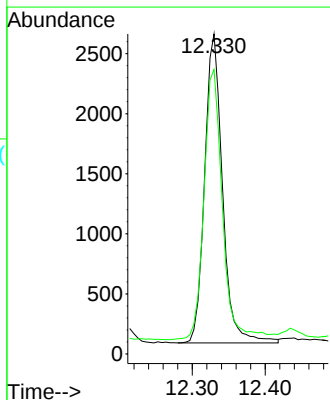
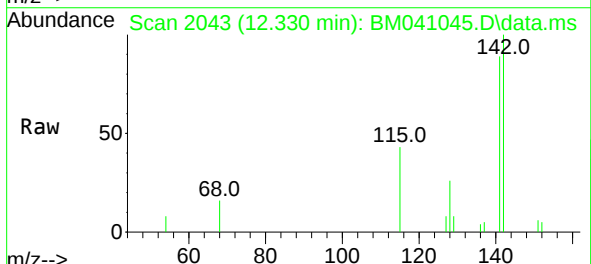
Manual Integrations
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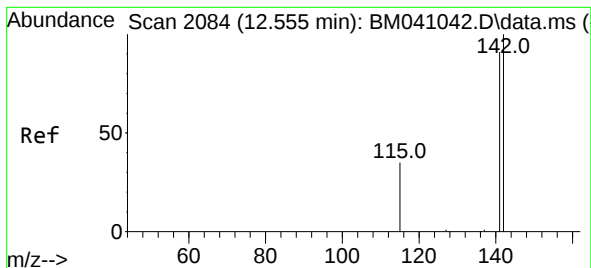
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#7
2-Methylnaphthalene
Concen: 0.202 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

Tgt Ion:142 Resp: 4381
Ion Ratio Lower Upper
142 100
141 91.3 73.2 109.8





#8

1-Methylnaphthalene

Concen: 0.224 ng/ul

RT: 12.550 min Scan# 2084

Delta R.T. -0.006 min

Lab File: BM041045.D

Acq: 22 Jul 2023 09:02

Instrument :

BNA_M

ClientSampleId :

A4732

Tgt Ion:142 Resp: 5170

Ion Ratio Lower Upper

142 100

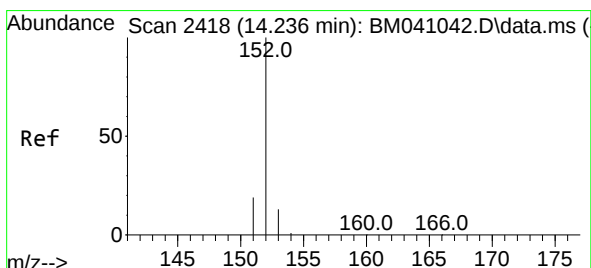
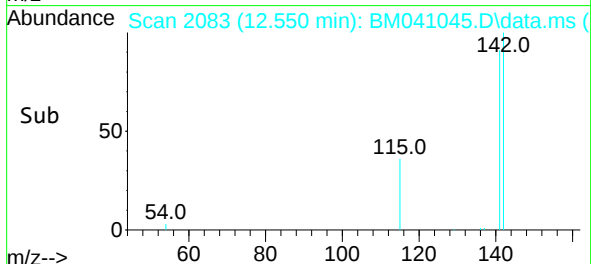
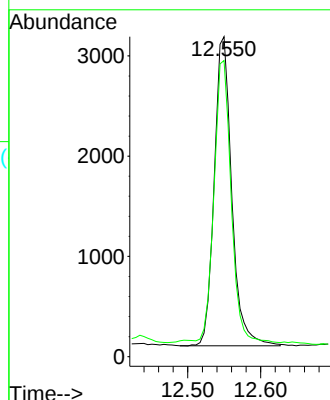
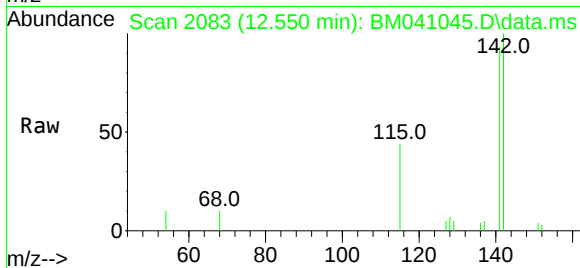
141 88.7 73.4 110.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#10

Acenaphthylene

Concen: 0.905 ng/ul

RT: 14.231 min Scan# 2417

Delta R.T. -0.005 min

Lab File: BM041045.D

Acq: 22 Jul 2023 09:02

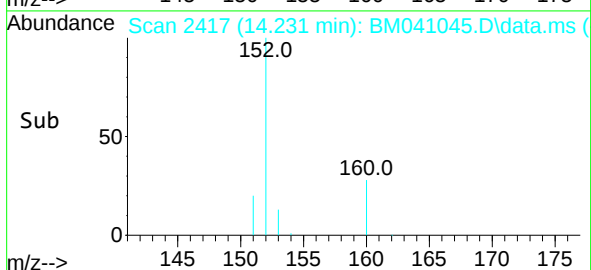
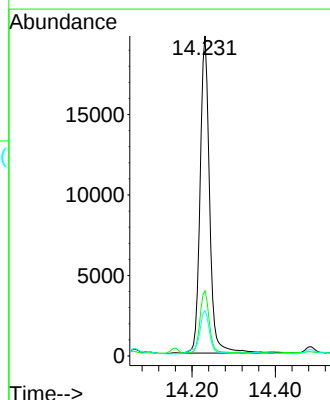
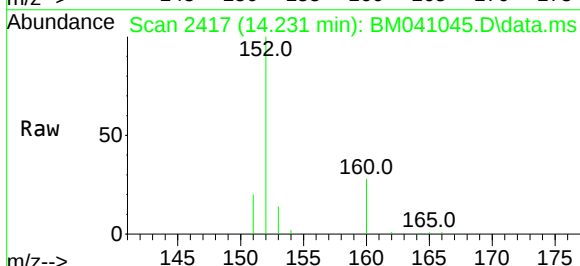
Tgt Ion:152 Resp: 31240

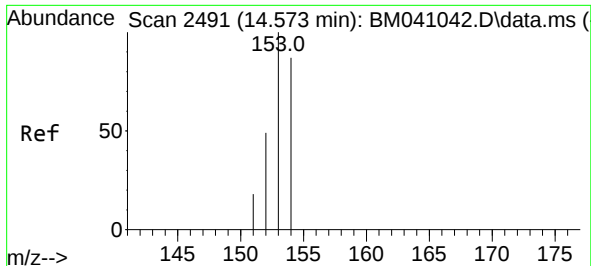
Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

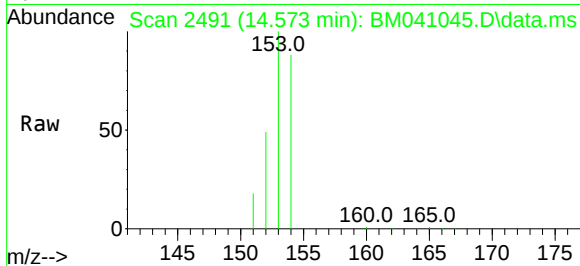
153 14.2 11.6 17.4





#11
Acenaphthene
Concen: 1.205 ng/uI
RT: 14.573 min Scan# 2491
Delta R.T. -0.000 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

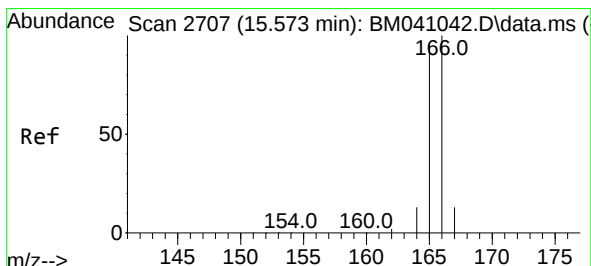
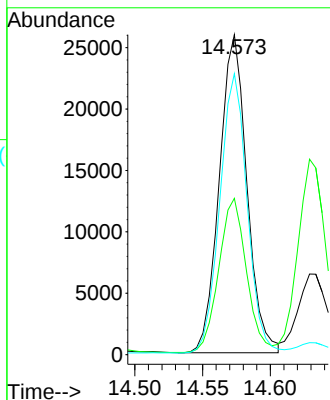
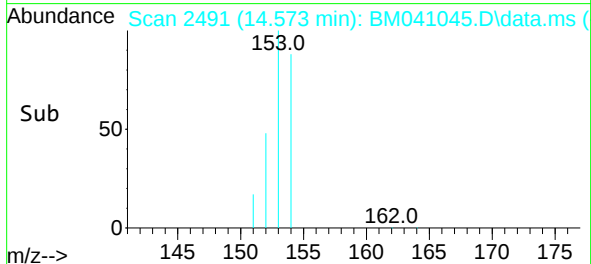
Instrument :
BNA_M
ClientSampleId :
A4732



Tgt Ion:153 Resp: 36689
Ion Ratio Lower Upper
153 100
152 48.8 41.0 61.6
154 87.8 68.2 102.2

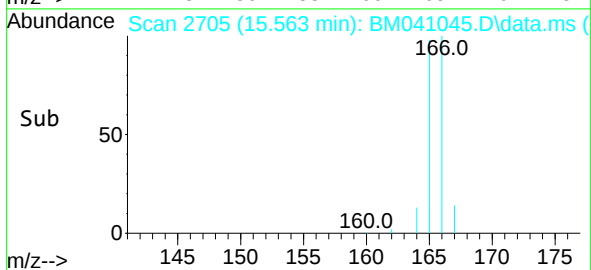
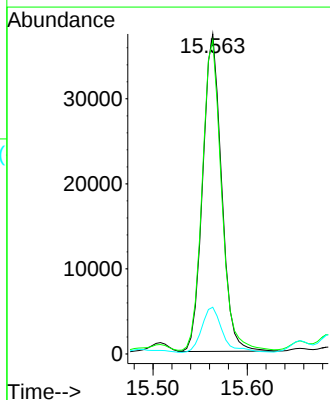
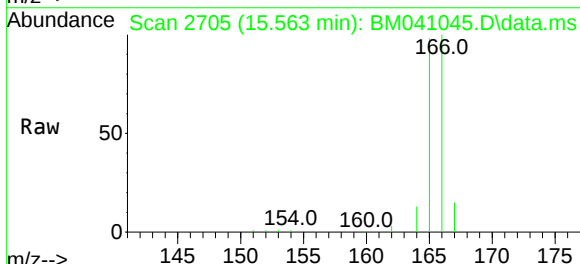
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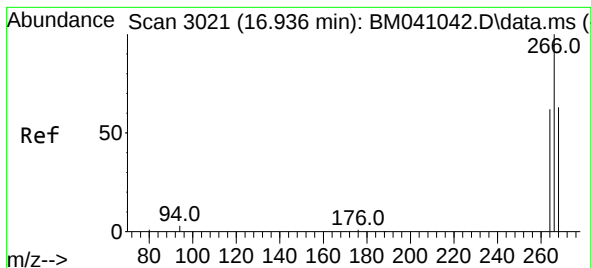
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#12
Fluorene
Concen: 1.642 ng/uI
RT: 15.563 min Scan# 2705
Delta R.T. -0.009 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

Tgt Ion:166 Resp: 51739
Ion Ratio Lower Upper
166 100
165 98.0 80.3 120.5
167 14.6 11.7 17.5





#14

Pentachlorophenol

Concen: 0.038 ng/ul

RT: 16.923 min Scan# 3021

Delta R.T. -0.013 min

Lab File: BM041045.D

Acq: 22 Jul 2023 09:02

Instrument :

BNA_M

ClientSampleId :

A4732

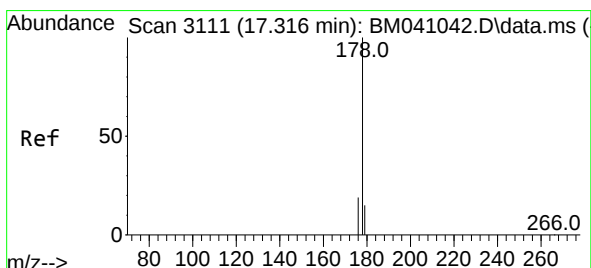
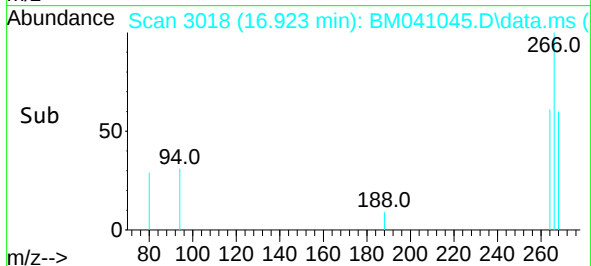
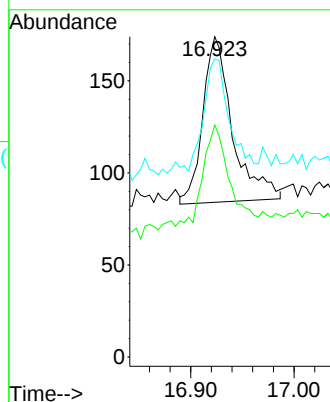
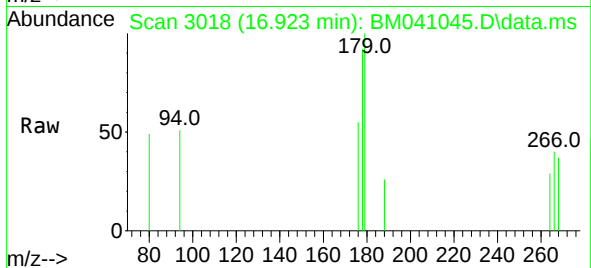
Tgt Ion:	266	Resp:	180
Ion Ratio	Lower	Upper	
266	100		
264	71.1	50.7	76.1
268	61.7	52.8	79.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#15

Phenanthrene

Concen: 11.272 ng/ul

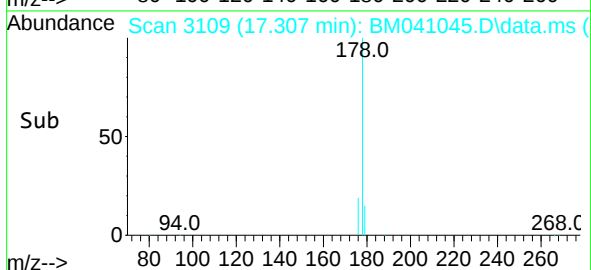
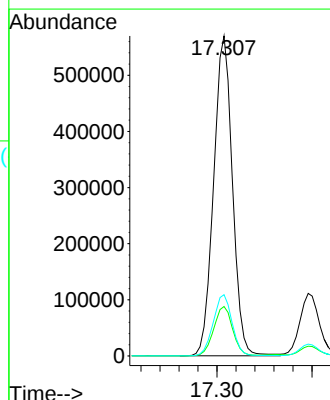
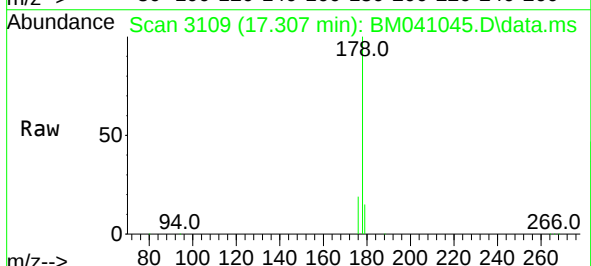
RT: 17.307 min Scan# 3109

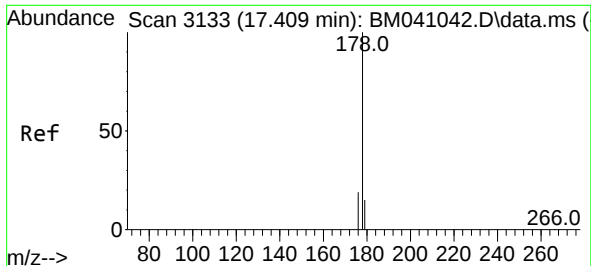
Delta R.T. -0.008 min

Lab File: BM041045.D

Acq: 22 Jul 2023 09:02

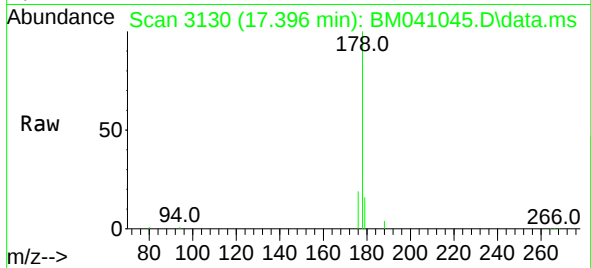
Tgt Ion:	178	Resp:	785280
Ion Ratio	Lower	Upper	
178	100		
179	15.5	13.0	19.6
176	19.1	16.2	24.4





#16
 Anthracene
 Concen: 2.768 ng/ul
 RT: 17.396 min Scan# 3133
 Delta R.T. -0.013 min
 Lab File: BM041045.D
 Acq: 22 Jul 2023 09:02

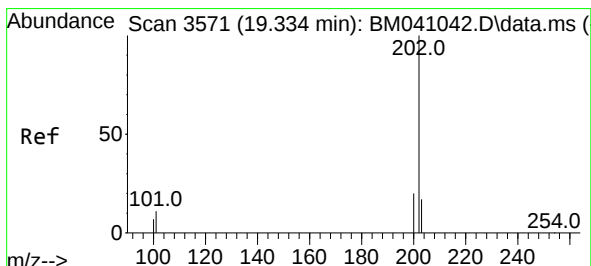
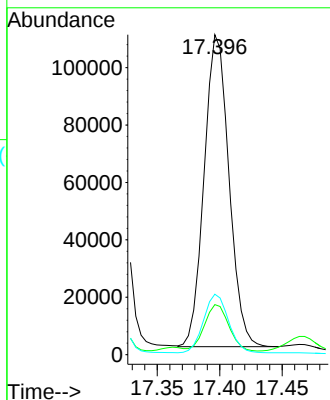
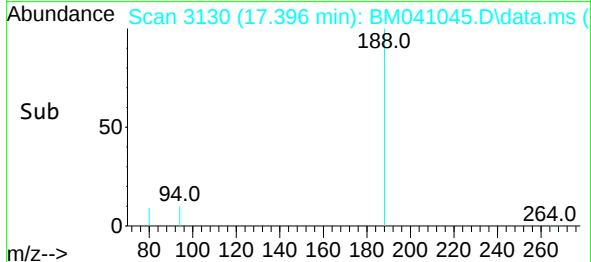
Instrument :
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Tgt Ion:178 Resp: 150237
 Ion Ratio Lower Upper
 178 100
 179 15.6 13.7 20.5
 176 18.9 16.4 24.6

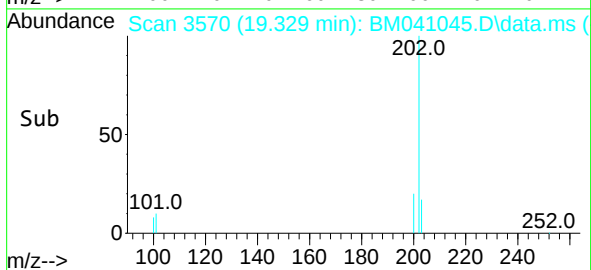
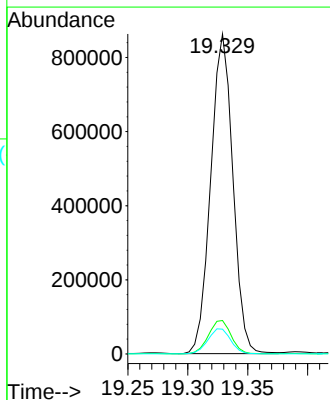
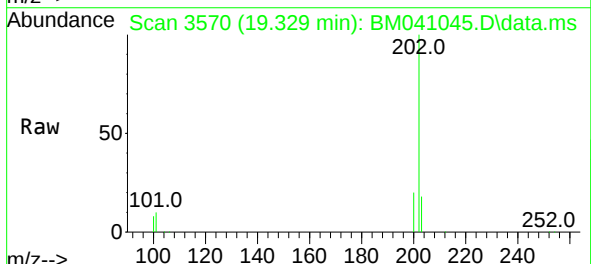
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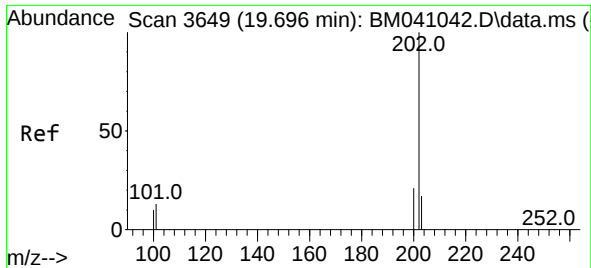
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023



#19
 Fluoranthene
 Concen: 18.472 ng/ul
 RT: 19.329 min Scan# 3570
 Delta R.T. -0.005 min
 Lab File: BM041045.D
 Acq: 22 Jul 2023 09:02

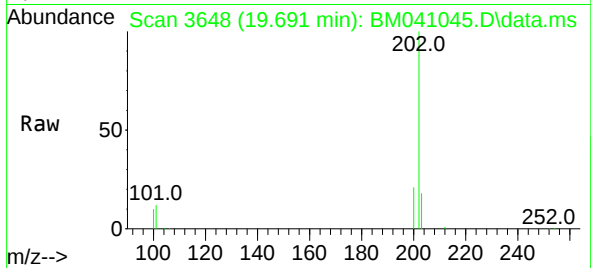
Tgt Ion:202 Resp: 1108890
 Ion Ratio Lower Upper
 202 100
 101 10.5 11.0 16.4#
 100 7.8 8.3 12.5#





#20
Pyrene
Concen: 6.539 ng/ul
RT: 19.691 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

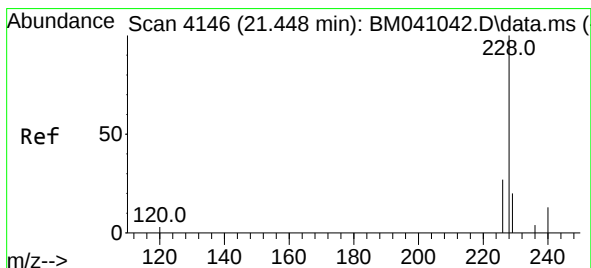
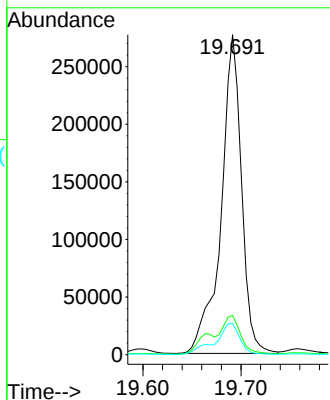
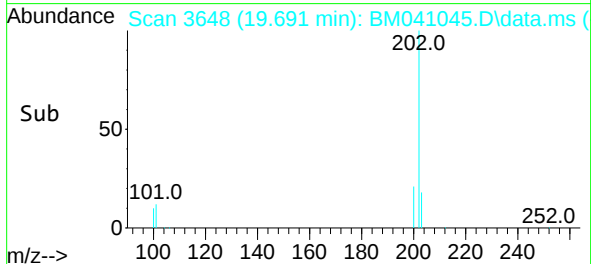
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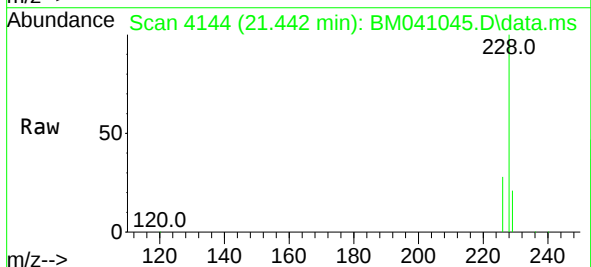
Tgt Ion:202 Resp: 401032
Ion Ratio Lower Upper
202 100
101 12.3 12.5 18.7
100 9.7 10.0 15.0

Manual Integrations
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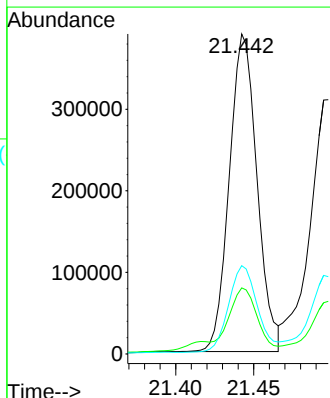
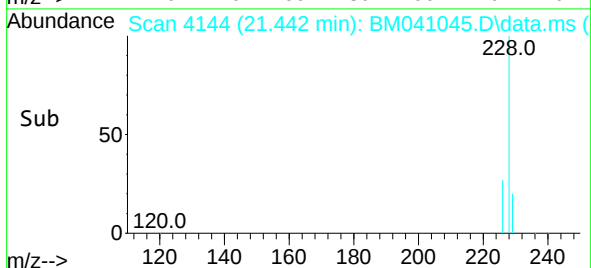
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

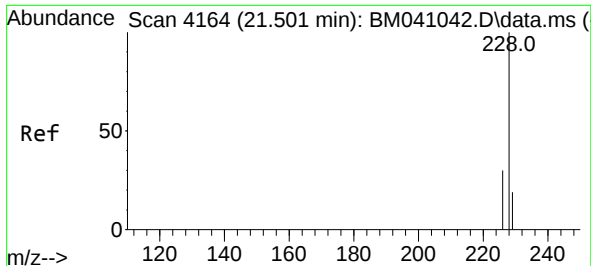


#21
Benzo(a)anthracene
Concen: 13.591 ng/ul
RT: 21.442 min Scan# 4144
Delta R.T. -0.006 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02



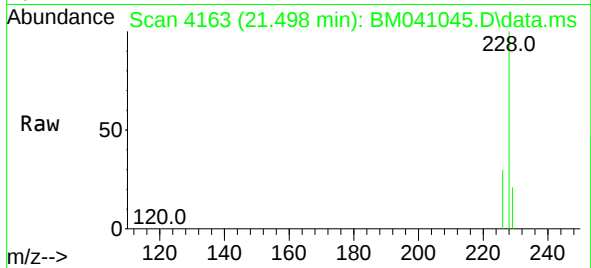
Tgt Ion:228 Resp: 481371
Ion Ratio Lower Upper
228 100
229 20.7 16.2 24.4
226 27.6 22.3 33.5





#22
Chrysene
Concen: 10.494 ng/u1
RT: 21.498 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

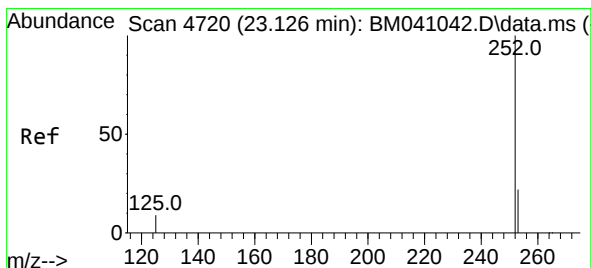
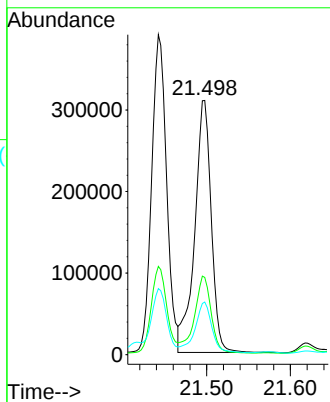
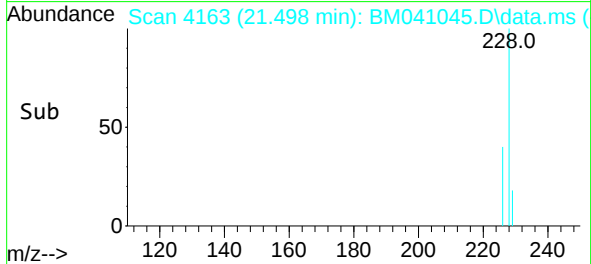
Instrument :
BNA_M
ClientSampleId :
A4732



Tgt Ion:228 Resp: 424910
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 20.7 16.1 24.1

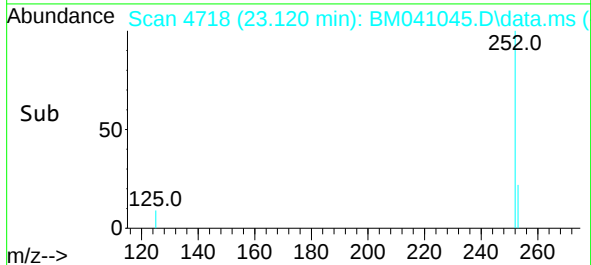
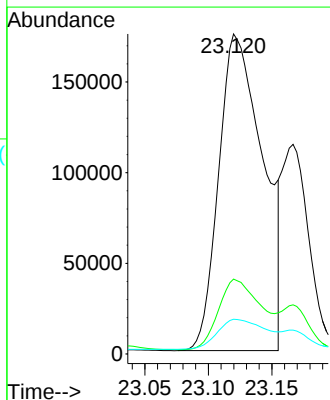
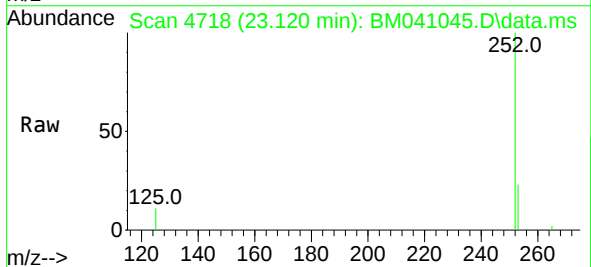
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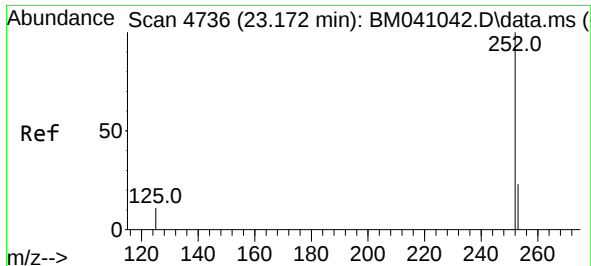
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#24
Benzo(b)fluoranthene
Concen: 7.479 ng/u1
RT: 23.120 min Scan# 4718
Delta R.T. -0.006 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

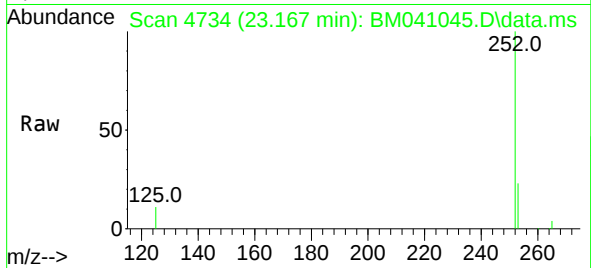
Tgt Ion:252 Resp: 422542
Ion Ratio Lower Upper
252 100
253 23.4 0.0 57.4
125 10.9 0.0 45.2





#25
Benzo(k)fluoranthene
Concen: 3.097 ng/ul m
RT: 23.167 min Scan# 4736
Delta R.T. -0.006 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

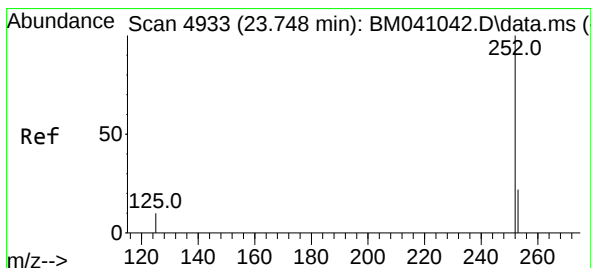
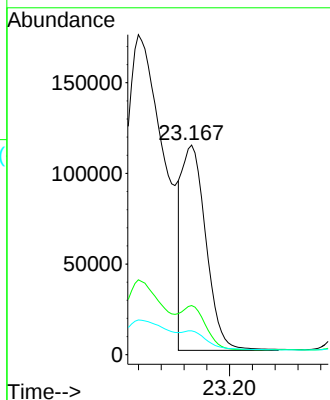
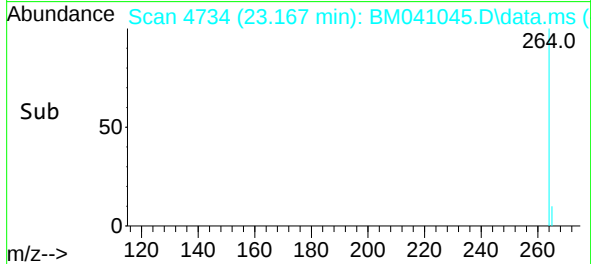
Instrument :
BNA_M
ClientSampleId :
A4732



Tgt Ion:252 Resp: 166223
Ion Ratio Lower Upper
252 100
253 23.5 23.3 34.9
125 11.4 18.2 27.2

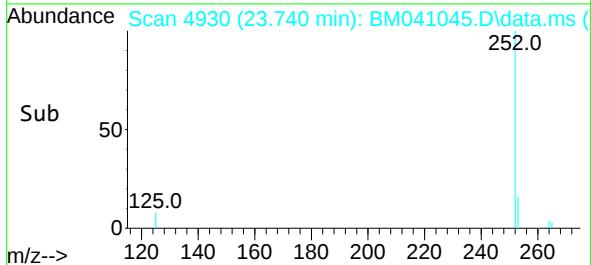
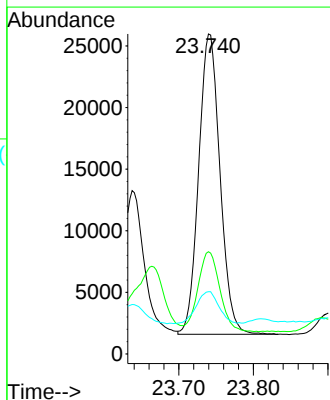
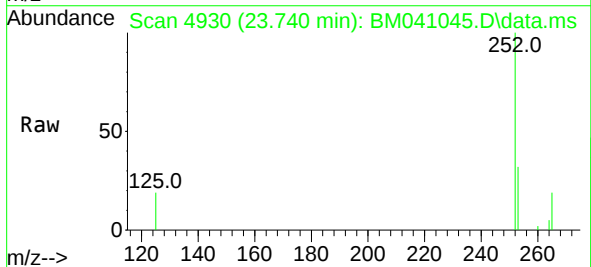
Manual Integrations
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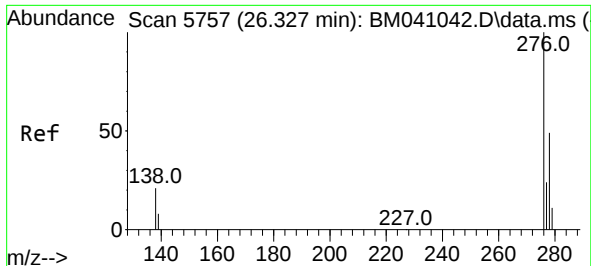
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#26
Benzo(a)pyrene
Concen: 0.993 ng/ul
RT: 23.740 min Scan# 4930
Delta R.T. -0.009 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

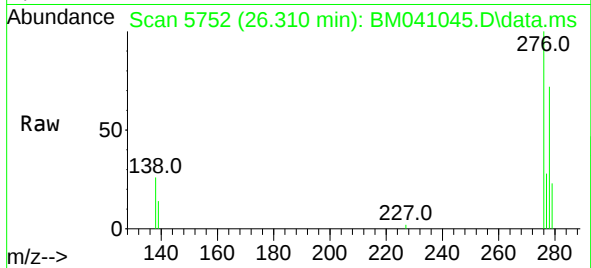
Tgt Ion:252 Resp: 48443
Ion Ratio Lower Upper
252 100
253 32.0 28.2 42.2
125 19.5 25.2 37.8





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.933 ng/ul
RT: 26.310 min Scan# 5752
Delta R.T. -0.017 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

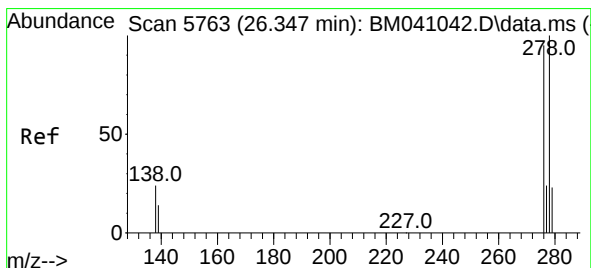
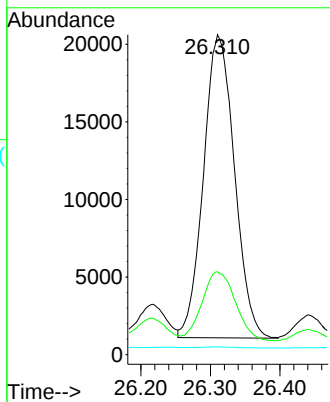
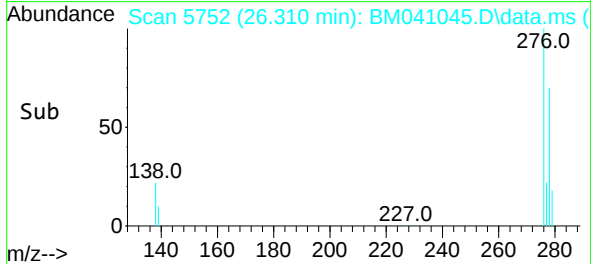
Instrument :
BNA_M
ClientSampleId :
A4732



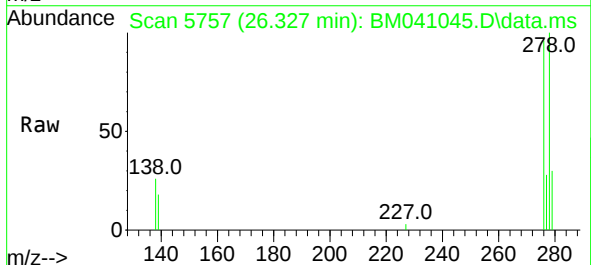
Tgt Ion: 276 Resp: 6038
Ion Ratio Lower Upper
276 100
138 24.6 22.3 33.5
227 0.3 0.0 0.0

Manual Integrations
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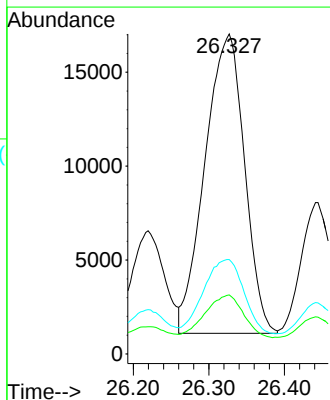
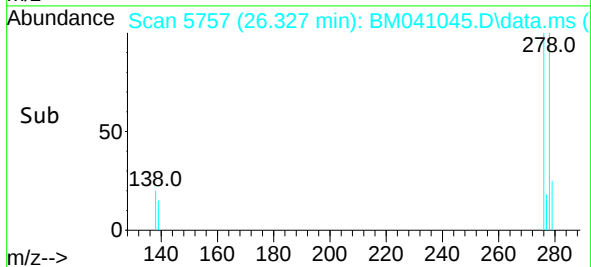
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

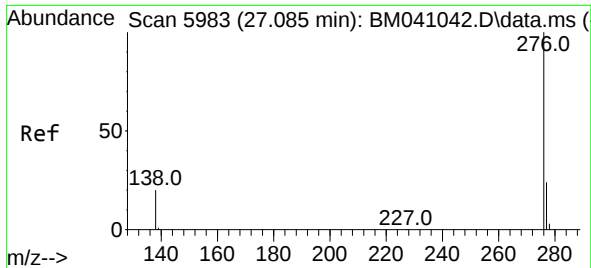


#28
Dibenzo(a,h)anthracene
Concen: 1.182 ng/ul m
RT: 26.327 min Scan# 5757
Delta R.T. -0.020 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02



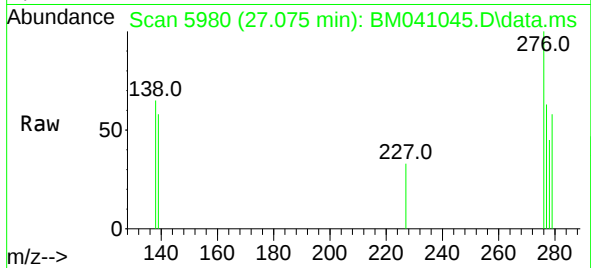
Tgt Ion: 278 Resp: 57882
Ion Ratio Lower Upper
278 100
139 18.5 19.2 28.8#
279 29.5 27.0 40.6





#29
Benzo(g,h,i)perylene
Concen: 0.053 ng/ul
RT: 27.075 min Scan# 5983
Delta R.T. -0.010 min
Lab File: BM041045.D
Acq: 22 Jul 2023 09:02

Instrument :
BNA_M
ClientSampleId :
A4732



Tgt Ion: 276 Resp: 3150
Ion Ratio Lower Upper
276 100
138 65.0 22.6 34.0
277 62.6 21.2 31.8

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 07/24/2023
Supervised By : mohammad ahmed 07/24/2023

