

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
 Data File : BM040535.D
 Acq On : 02 Jul 2023 11:56
 Operator : MA/JU
 Sample : 03243-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGC4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/03/2023

Quant Time: Jul 03 02:09:04 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 : Sat Jul 01 03:00:05 2023

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	7604	0.400	ng/ul	0.00
4) Naphthalene-d8	10.734	136	28028	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.572	164	14384	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.320	188	28535	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	17693	0.400	ng/ul	0.00
23) Perylene-d12	23.920	264	20744	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.321	96	32685	2.736	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.323	152	7455	0.190	ng/ul	-0.01
18) Fluoranthene-d10	19.347	212	12568	0.222	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.784	128	48758	0.631	ng/ul	100
7) 2-Methylnaphthalene	12.400	142	16369	0.361	ng/ul	98
8) 1-Methylnaphthalene	12.620	142	13578	0.299	ng/ul	100
10) Acenaphthylene	14.295	152	81603	1.270	ng/ul	100
11) Acenaphthene	14.633	153	45553	0.839	ng/ul	99
12) Fluorene	15.623	166	44588	0.770	ng/ul	98
15) Phenanthrene	17.362	178	1061852	11.980	ng/ul	98
16) Anthracene	17.455	178	216162	2.902	ng/ul	99
19) Fluoranthene	19.380	202	3072228	40.878	ng/ul#	93
20) Pyrene	19.742	202	2318810	28.778	ng/ul	95
21) Benzo(a)anthracene	21.488	228	1159028	19.367	ng/ul	99
22) Chrysene	21.541	228	1174371	17.202	ng/ul	97
24) Benzo(b)fluoranthene	23.187	252	2093245	26.075	ng/ul	87
25) Benzo(k)fluoranthene	23.225	252	654198m	8.269	ng/ul	
26) Benzo(a)pyrene	23.812	252	1311216	18.132	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.427	276	1156736	11.486	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.434	278	285091	3.615	ng/ul	95
29) Benzo(g,h,i)perylene	27.202	276	900092	10.197	ng/ul#	93

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

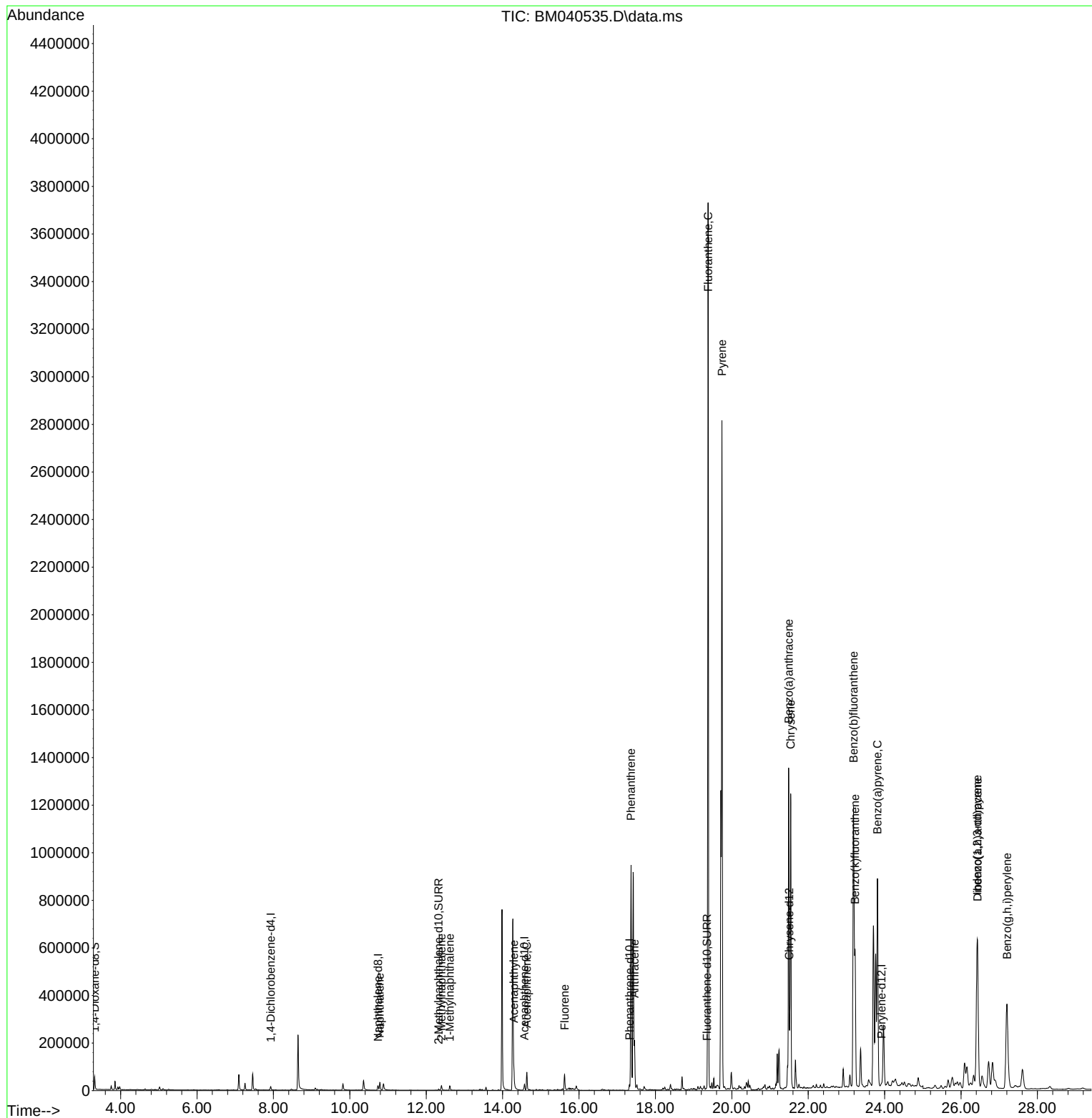
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Data File : BM040535.D
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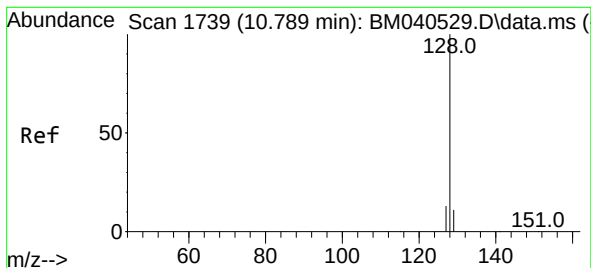
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Quant Time: Jul 03 02:09:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
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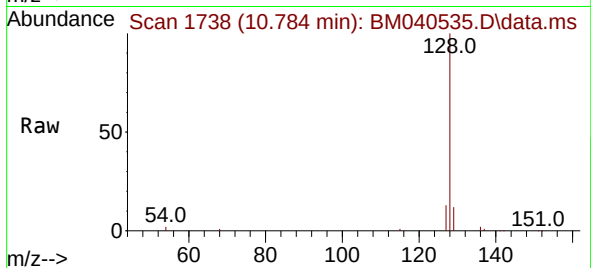
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023





#5
Naphthalene
Concen: 0.631 ng/ul
RT: 10.784 min Scan# 1738
Delta R.T. -0.011 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

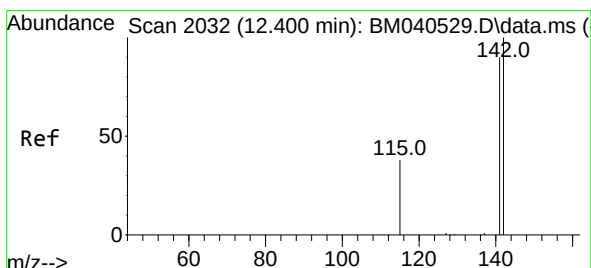
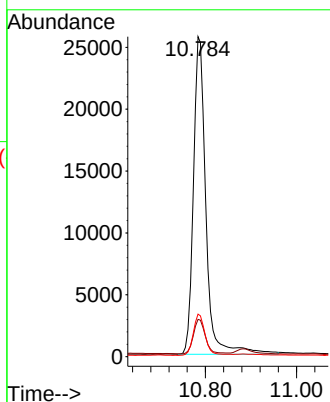
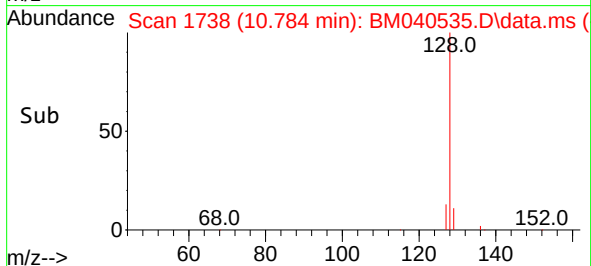
Instrument :
BNA_M
ClientSampleId :
DCGC4



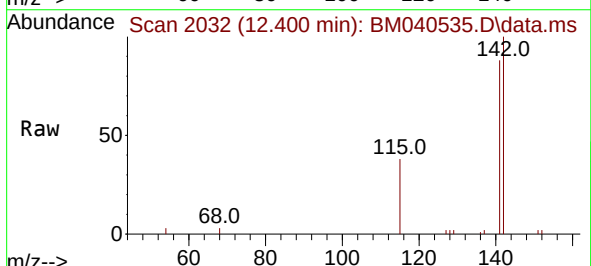
Tgt Ion:128 Resp: 4875
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.3 10.6 15.8

Manual Integrations
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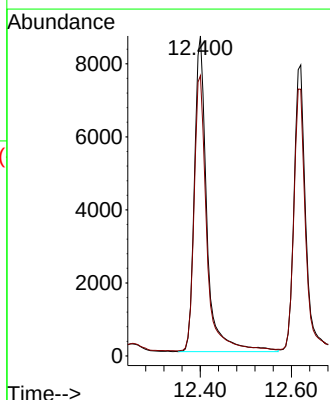
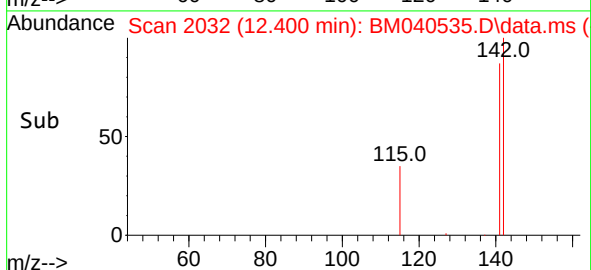
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

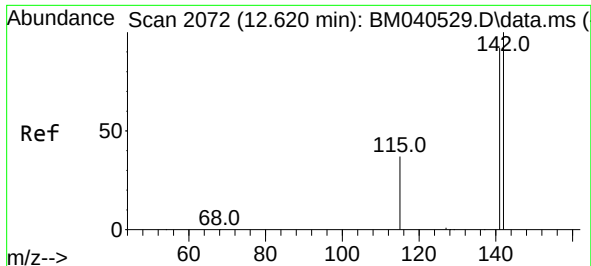


#7
2-Methylnaphthalene
Concen: 0.361 ng/ul
RT: 12.400 min Scan# 2032
Delta R.T. -0.005 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56



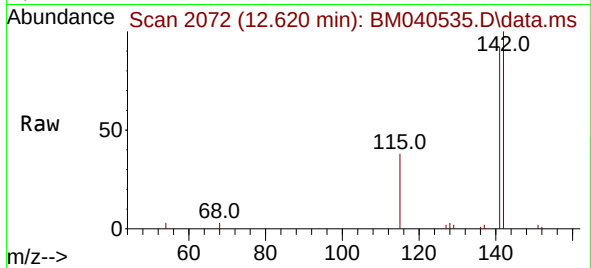
Tgt Ion:142 Resp: 16369
Ion Ratio Lower Upper
142 100
141 88.3 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.299 ng/ul
RT: 12.620 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

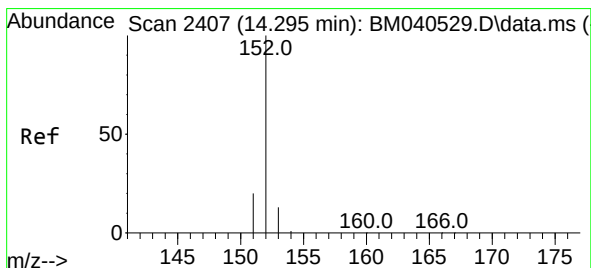
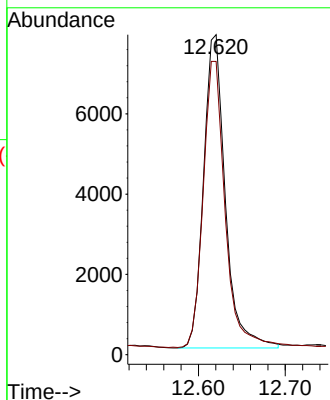
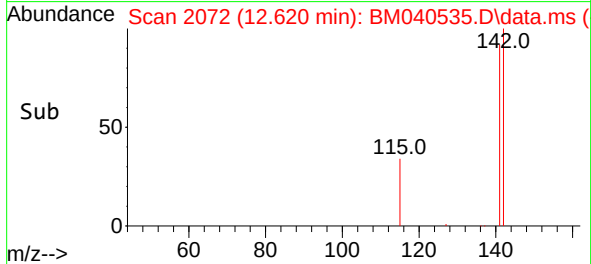
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:142 Resp: 13578
Ion Ratio Lower Upper
142 100
141 92.1 73.7 110.5

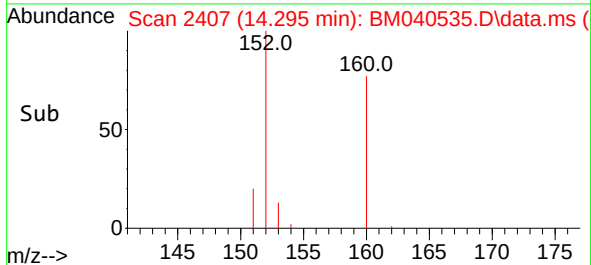
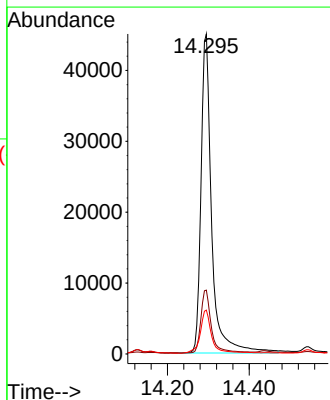
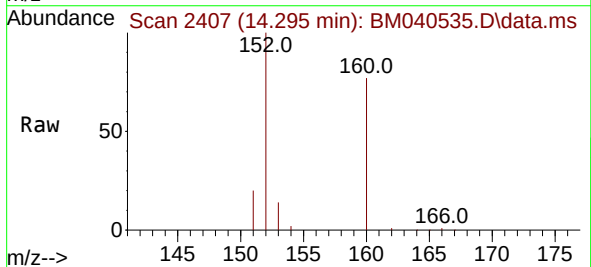
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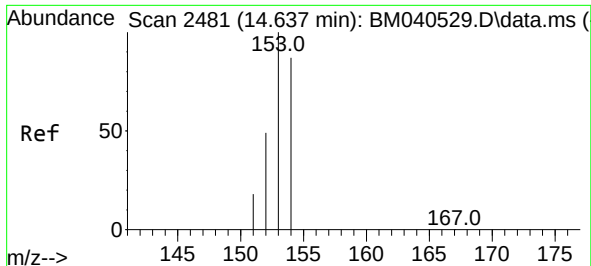
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#10
Acenaphthylene
Concen: 1.270 ng/ul
RT: 14.295 min Scan# 2407
Delta R.T. -0.004 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

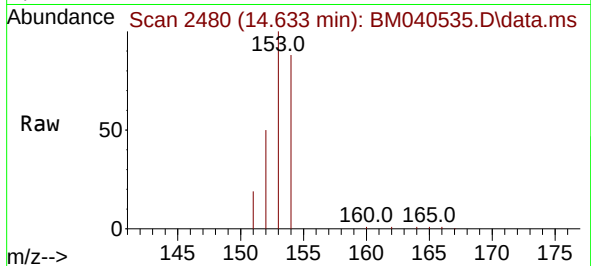
Tgt Ion:152 Resp: 81603
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.7 10.9 16.3





#11
Acenaphthene
Concen: 0.839 ng/ul
RT: 14.633 min Scan# 2481
Delta R.T. -0.009 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

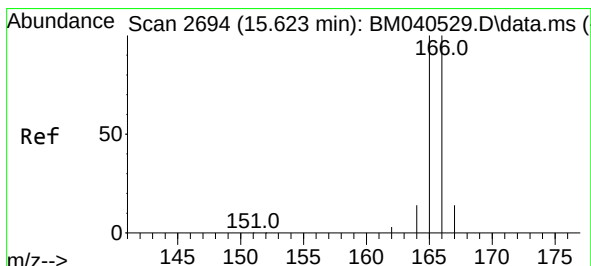
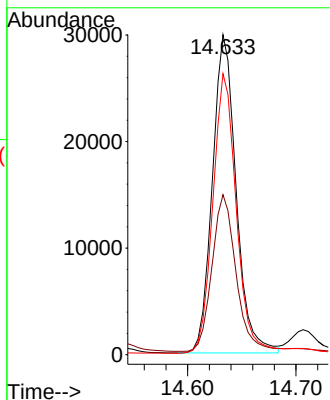
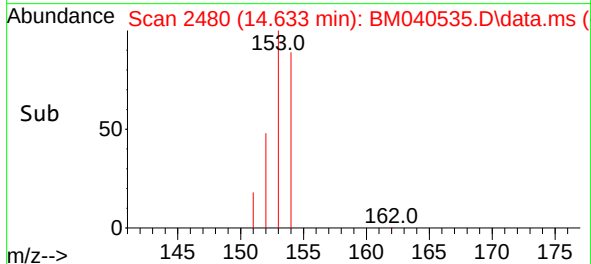
Instrument :
BNA_M
ClientSampleId :
DCGC4



Tgt Ion:153 Resp: 4555
Ion Ratio Lower Upper
153 100
152 50.0 41.0 61.4
154 87.8 70.8 106.2

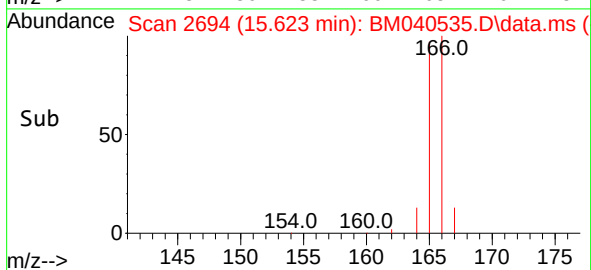
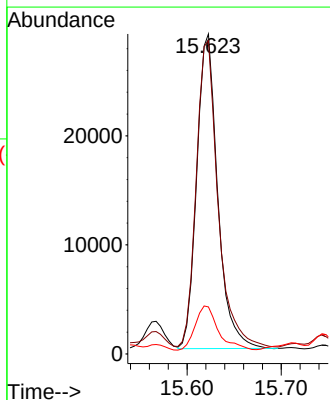
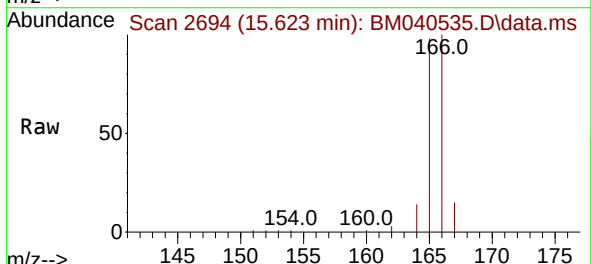
Manual Integrations
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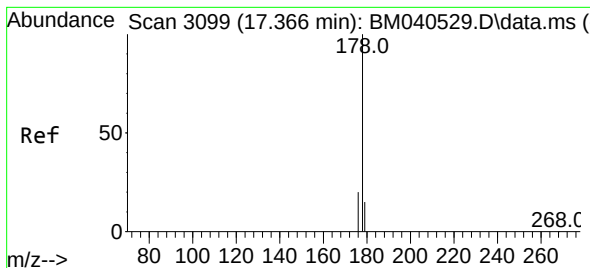
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#12
Fluorene
Concen: 0.770 ng/ul
RT: 15.623 min Scan# 2694
Delta R.T. -0.009 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

Tgt Ion:166 Resp: 44588
Ion Ratio Lower Upper
166 100
165 98.0 79.6 119.4
167 14.7 11.4 17.0





#15

Phenanthrene

Concen: 11.980 ng/u1

RT: 17.362 min Scan# 3099

Delta R.T. -0.008 min

Lab File: BM040535.D

Acq: 02 Jul 2023 11:56

Instrument :

BNA_M

ClientSampleId :

DCGC4

Tgt Ion:178 Resp: 106185

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

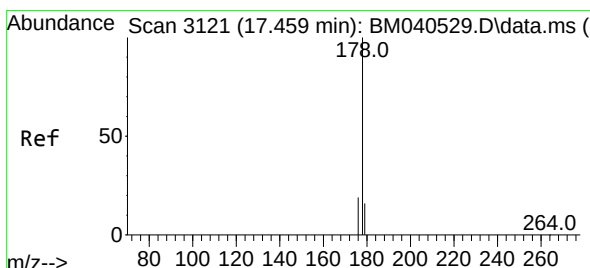
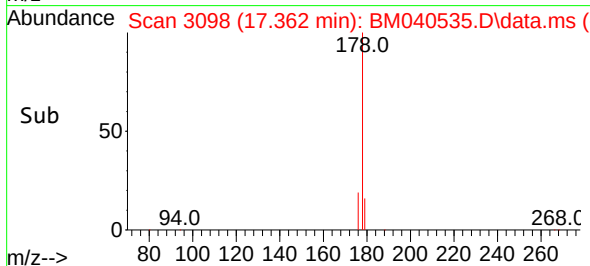
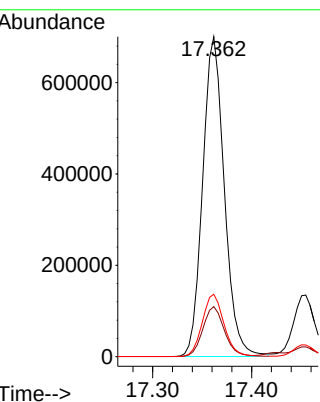
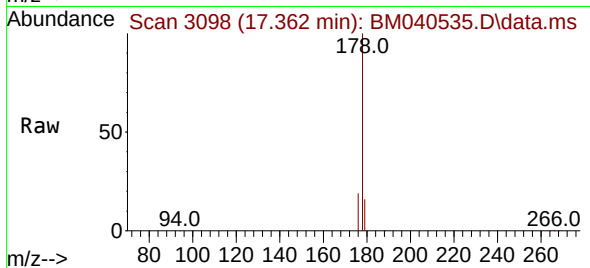
176 19.5 16.4 24.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/03/2023



#16

Anthracene

Concen: 2.902 ng/u1

RT: 17.455 min Scan# 3120

Delta R.T. -0.008 min

Lab File: BM040535.D

Acq: 02 Jul 2023 11:56

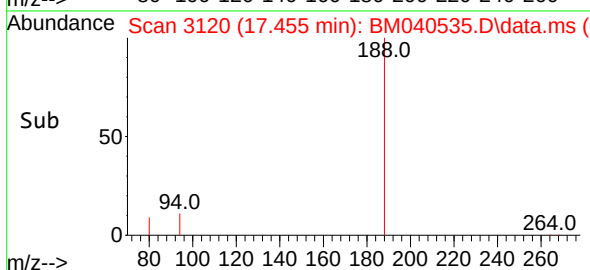
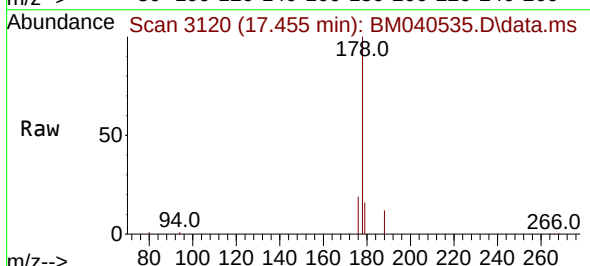
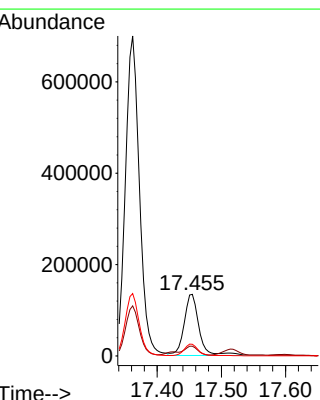
Tgt Ion:178 Resp: 216162

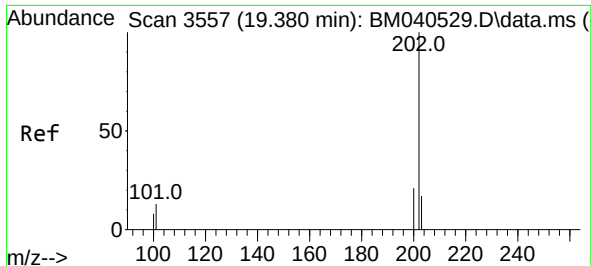
Ion Ratio Lower Upper

178 100

179 15.8 12.9 19.3

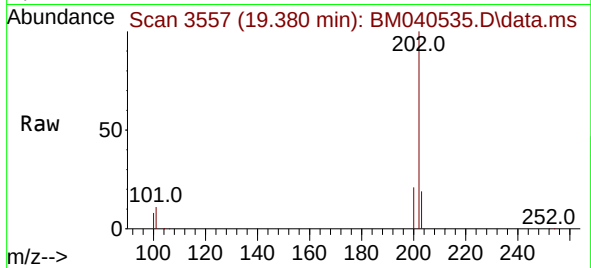
176 18.9 15.8 23.6





#19
Fluoranthene
Concen: 40.878 ng/u1
RT: 19.380 min Scan# 3557
Delta R.T. -0.005 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

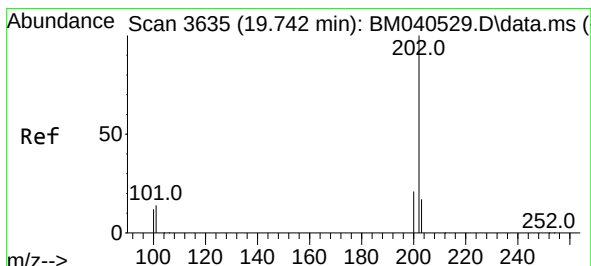
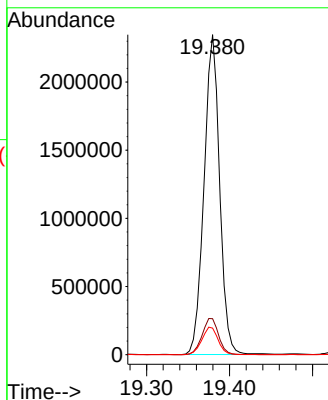
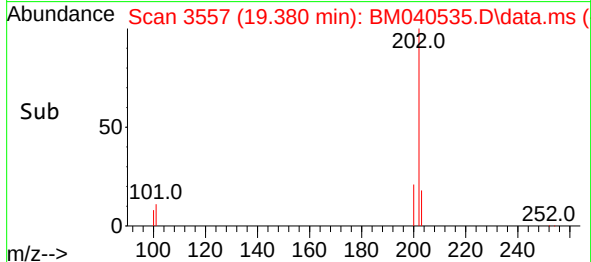
Instrument :
BNA_M
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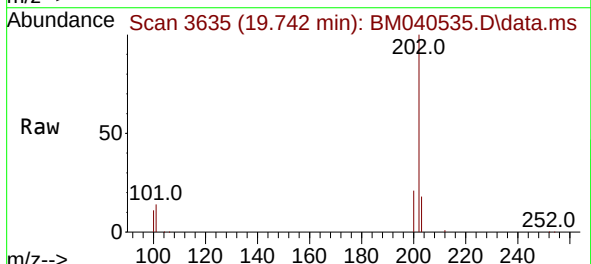
Tgt Ion:202 Resp: 3072228
Ion Ratio Lower Upper
202 100
101 11.2 11.4 17.0
100 8.3 8.7 13.1

Manual Integrations
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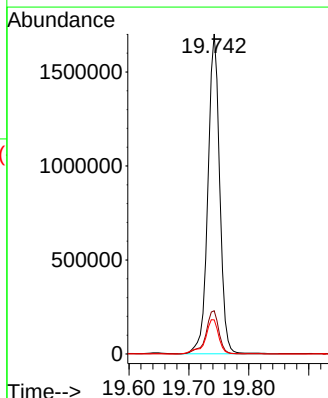
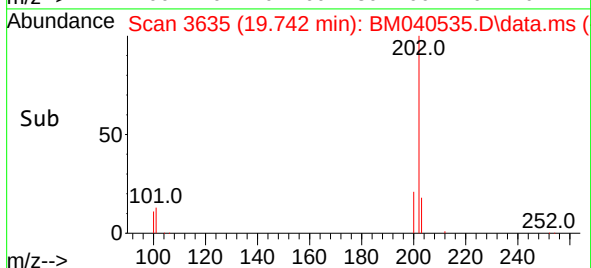
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023

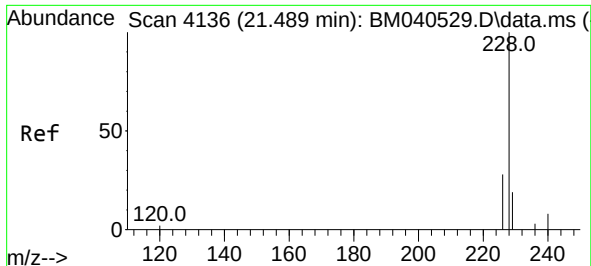


#20
Pyrene
Concen: 28.778 ng/u1
RT: 19.742 min Scan# 3635
Delta R.T. -0.005 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56



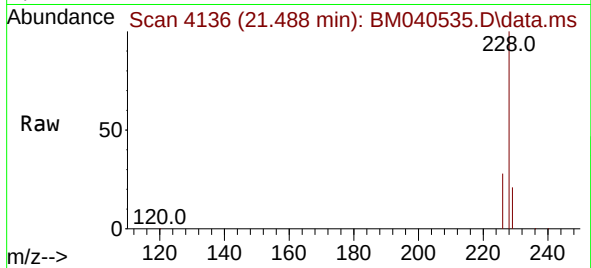
Tgt Ion:202 Resp: 2318810
Ion Ratio Lower Upper
202 100
101 13.5 12.6 18.8
100 10.7 9.8 14.6





#21
Benzo(a)anthracene
Concen: 19.367 ng/ul
RT: 21.488 min Scan# 4136
Delta R.T. -0.003 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

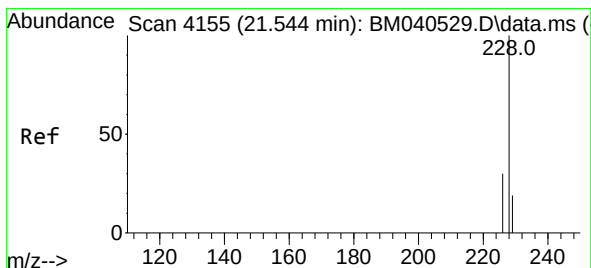
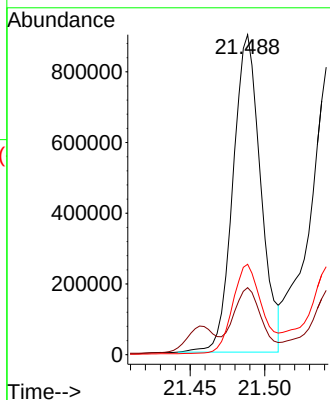
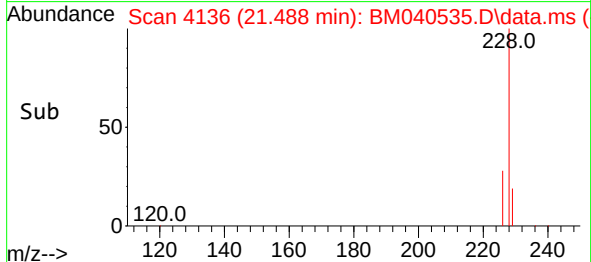
Instrument :
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ClientSampleId :
DCGC4



Tgt Ion:228 Resp: 1159028
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.2 22.3 33.5

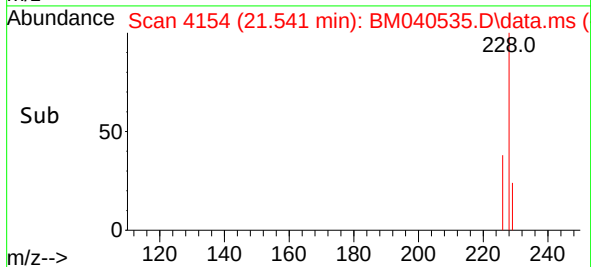
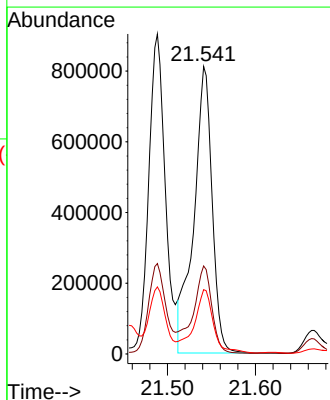
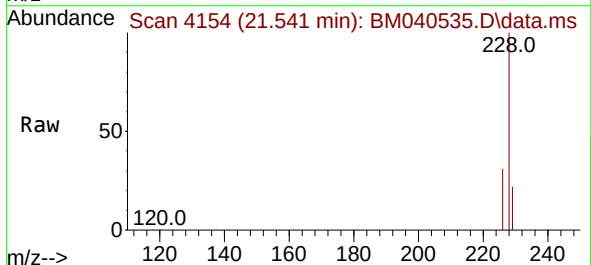
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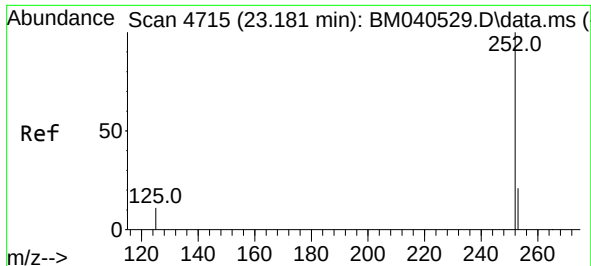
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#22
Chrysene
Concen: 17.202 ng/ul
RT: 21.541 min Scan# 4154
Delta R.T. -0.003 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

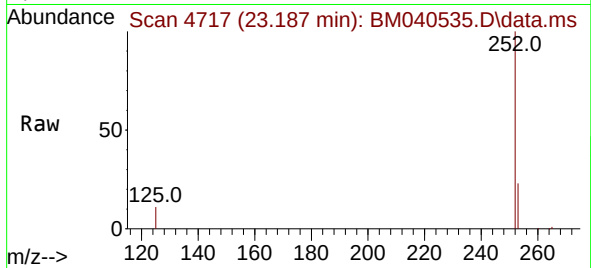
Tgt Ion:228 Resp: 1174371
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 26.075 ng/ul
RT: 23.187 min Scan# 4715
Delta R.T. 0.006 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

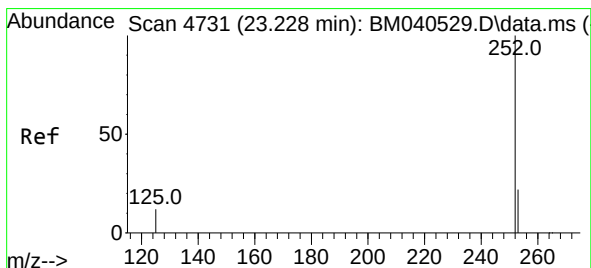
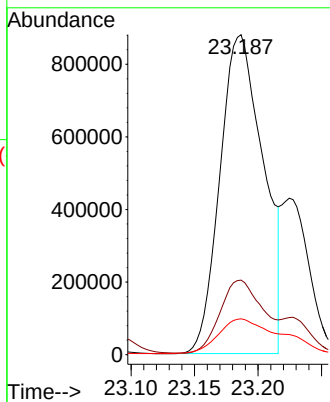
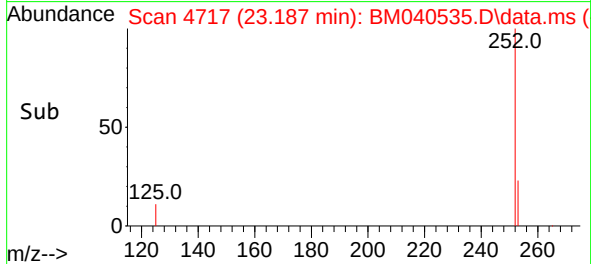
Instrument :
BNA_M
ClientSampleId :
DCGC4



Tgt Ion:252 Resp: 2093245
Ion Ratio Lower Upper
252 100
253 23.3 0.0 52.8
125 11.2 0.0 43.0

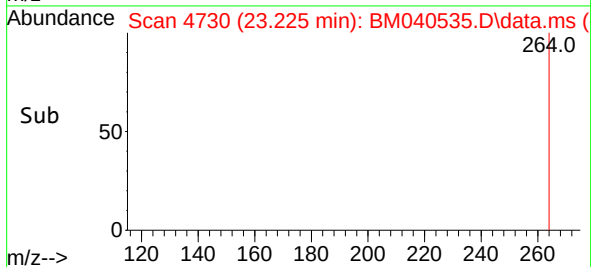
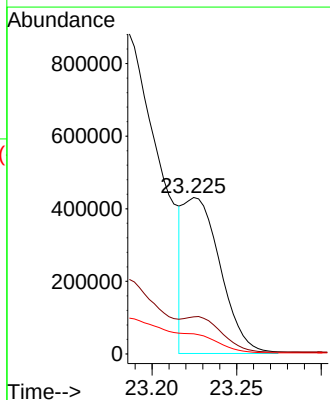
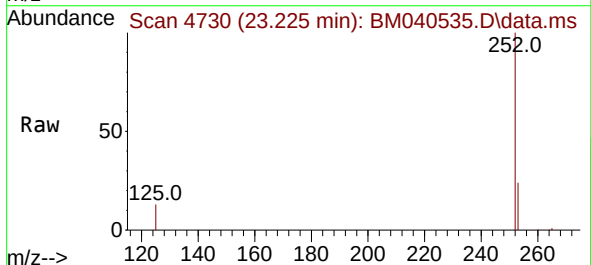
Manual Integrations
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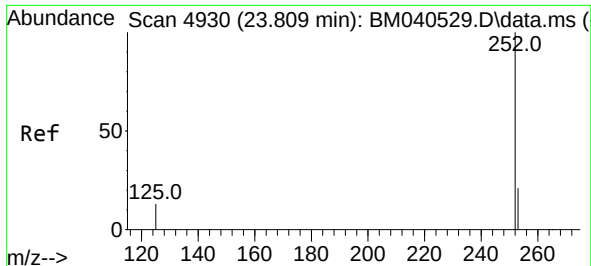
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#25
Benzo(k)fluoranthene
Concen: 8.269 ng/ul m
RT: 23.225 min Scan# 4730
Delta R.T. -0.003 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

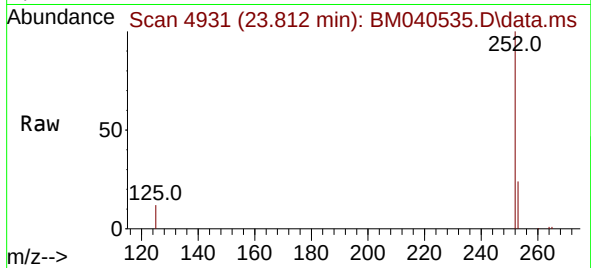
Tgt Ion:252 Resp: 654198
Ion Ratio Lower Upper
252 100
253 23.8 21.2 31.8
125 12.9 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 18.132 ng/ul
RT: 23.812 min Scan# 4930
Delta R.T. 0.000 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

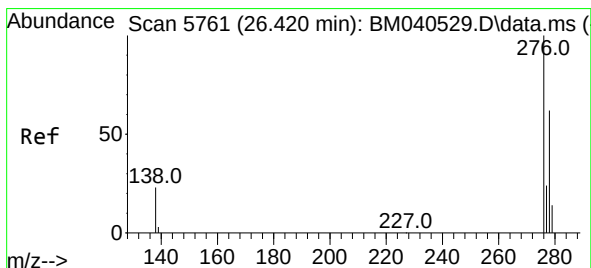
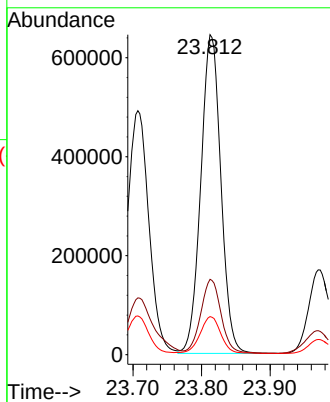
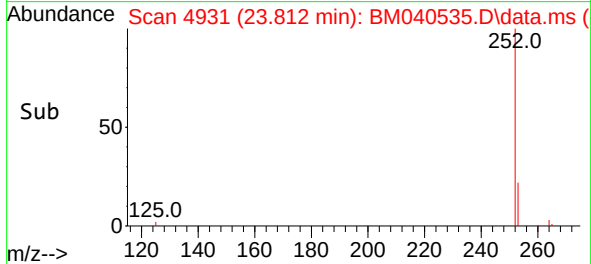
Instrument :
BNA_M
ClientSampleId :
DCGC4



Tgt Ion:252 Resp: 1311210
Ion Ratio Lower Upper
252 100
253 23.5 22.9 34.3
125 11.9 21.0 31.4

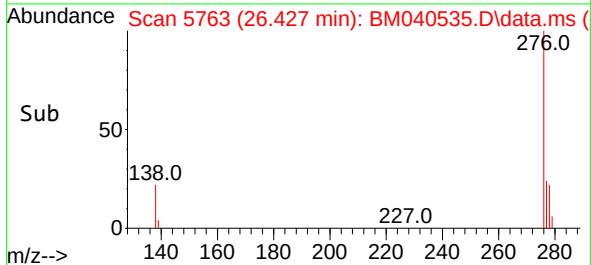
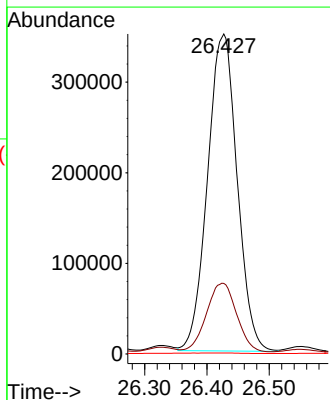
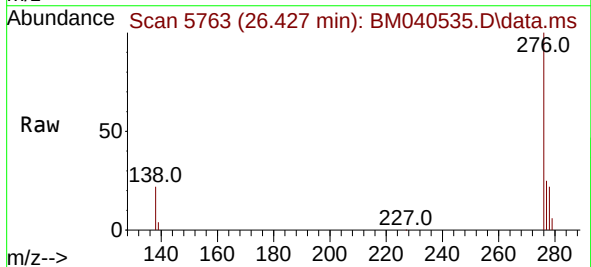
Manual Integrations
APPROVED

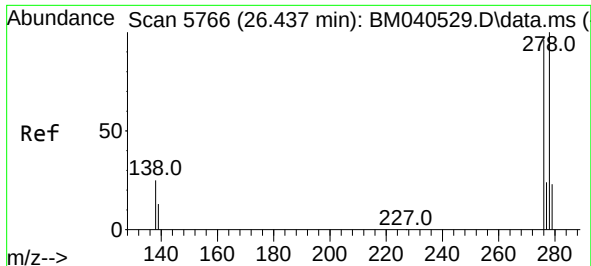
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 11.486 ng/ul
RT: 26.427 min Scan# 5763
Delta R.T. 0.007 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

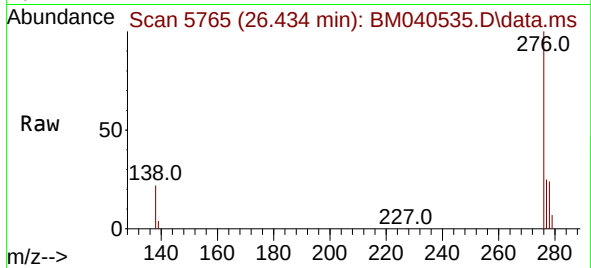
Tgt Ion:276 Resp: 1156736
Ion Ratio Lower Upper
276 100
138 22.0 24.5 36.7#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 3.615 ng/ul
RT: 26.434 min Scan# 51
Delta R.T. -0.003 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56

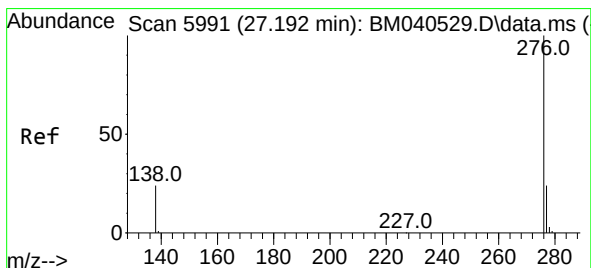
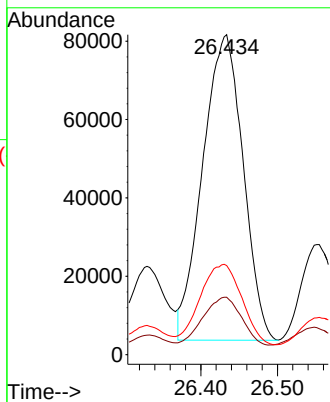
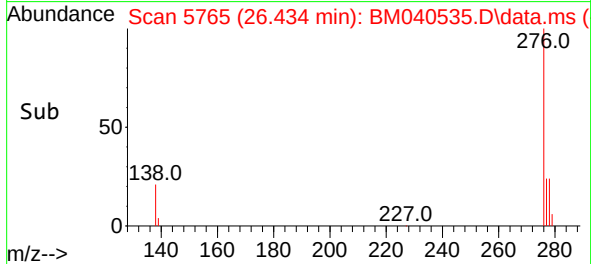
Instrument :
BNA_M
ClientSampleId :
DCGC4



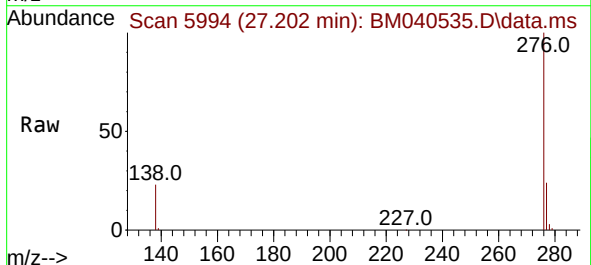
Tgt Ion:278 Resp: 28509
Ion Ratio Lower Upper
278 100
139 17.9 17.9 26.9
279 27.8 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#29
Benzo(g,h,i)perylene
Concen: 10.197 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. 0.017 min
Lab File: BM040535.D
Acq: 02 Jul 2023 11:56



Tgt Ion:276 Resp: 900092
Ion Ratio Lower Upper
276 100
138 22.9 23.0 34.6#
277 24.3 20.3 30.5

