

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041848.D
 Acq On : 14 Sep 2023 02:10
 Operator : MA/JU
 Sample : 04235-11DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYW8DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 14 03:39:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 13 16:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	11057	0.400	ng/ul	0.00
4) Naphthalene-d8	10.785	136	29172	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.615	164	16394	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	32691	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.542	240	16460	0.400	ng/ul	# 0.00
23) Perylene-d12	23.962	264	15224	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	3628	0.258	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.368	152	1231	0.031	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	1544	0.027	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.834	128	15040	0.153	ng/ul	97
7) 2-Methylnaphthalene	12.440	142	85310	1.444	ng/ul	100
8) 1-Methylnaphthalene	12.660	142	85646	1.421	ng/ul	100
10) Acenaphthylene	14.328	152	4834	0.047	ng/ul#	1
11) Acenaphthene	14.685	153	5299	0.067	ng/ul#	49
15) Phenanthrene	17.409	178	194741	1.365	ng/ul	99
16) Anthracene	17.502	178	6310	0.051	ng/ul#	49
19) Fluoranthene	19.417	202	225845	1.771	ng/ul	99
20) Pyrene	19.785	202	161108	1.207	ng/ul	99
21) Benzo(a)anthracene	21.524	228	34449	0.317	ng/ul#	87
22) Chrysene	21.577	228	92672	0.834	ng/ul#	95
24) Benzo(b)fluoranthene	23.216	252	92219	0.851	ng/ul#	7
25) Benzo(k)fluoranthene	23.263	252	30066m	0.301	ng/ul	
26) Benzo(a)pyrene	23.857	252	19950	0.242	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.468	276	37470	0.295	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.485	278	10075	0.108	ng/ul#	1
29) Benzo(g,h,i)perylene	27.253	276	41547	0.387	ng/ul#	68

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

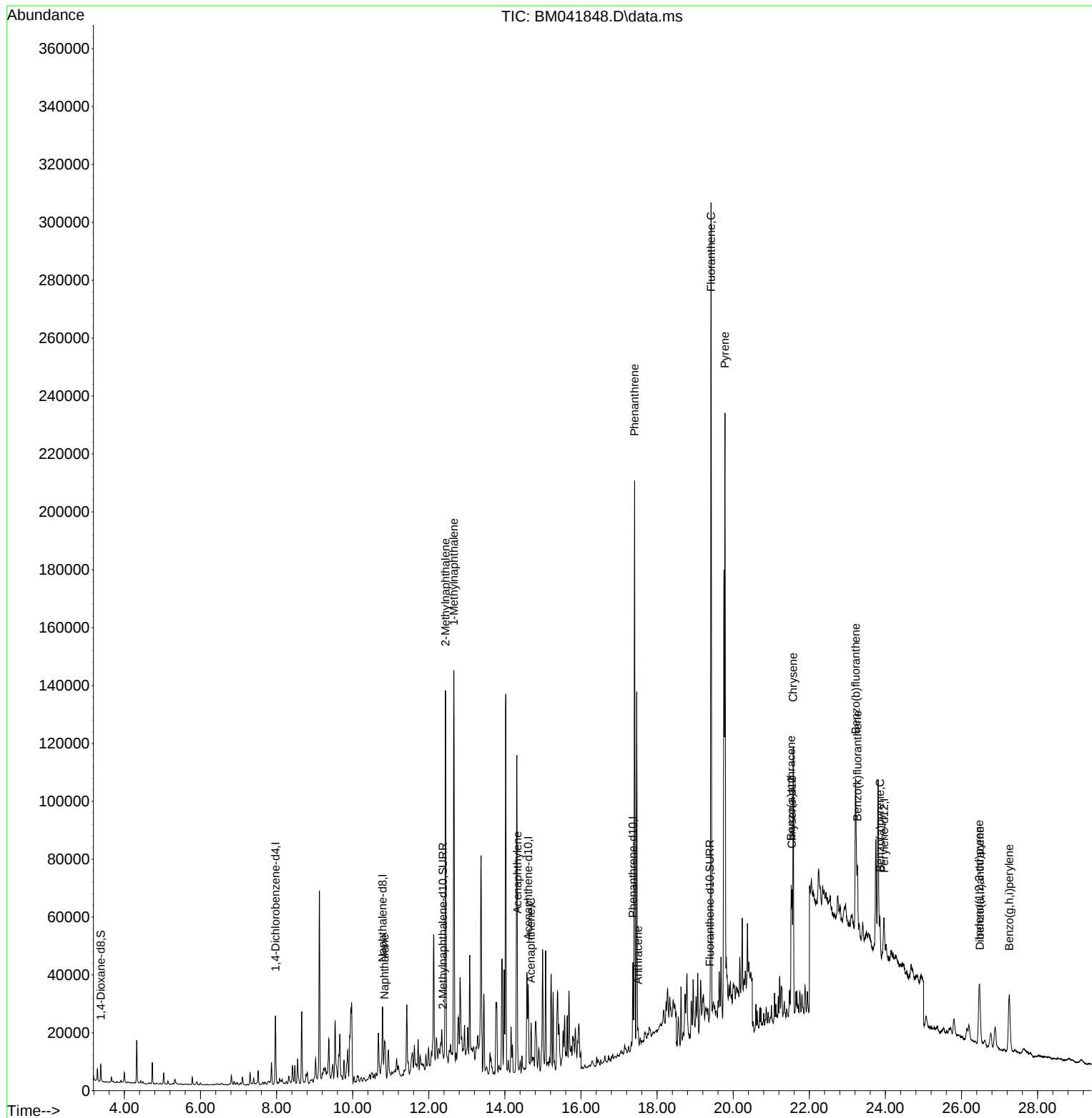
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
Data File : BM041848.D
Acq On : 14 Sep 2023 02:10
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ALS Vial : 24 Sample Multiplier: 1

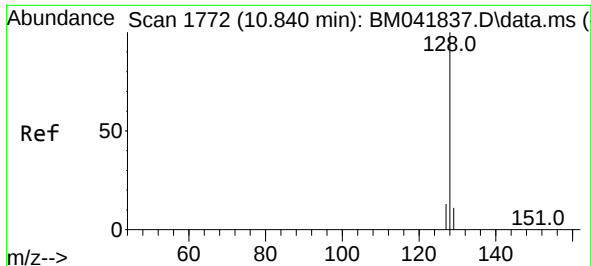
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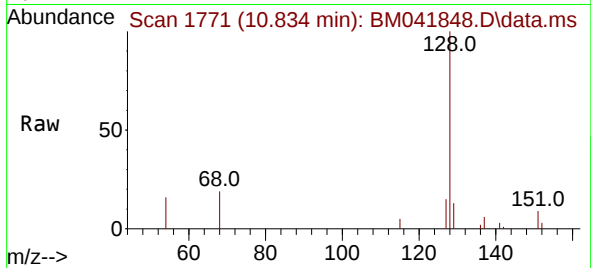
Quant Time: Sep 14 03:39:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 13 16:15:23 2023
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#5
Naphthalene
Concen: 0.153 ng/ul
RT: 10.834 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

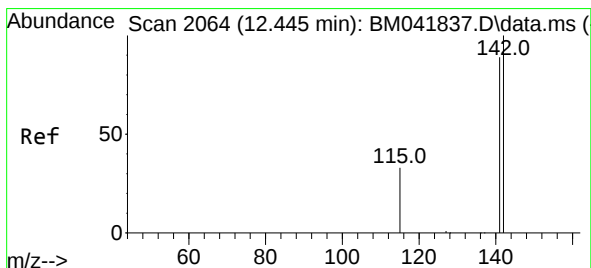
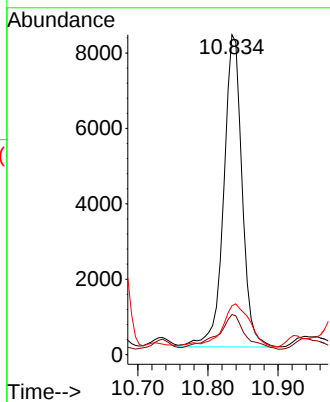
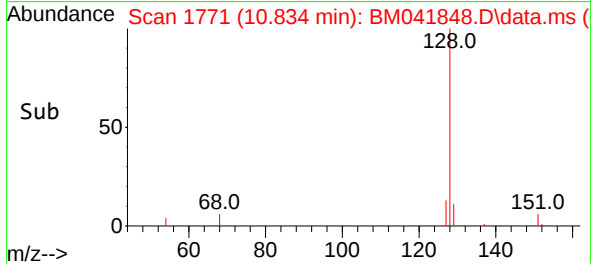
Instrument :
BNA_M
ClientSampleId :
EZYW8DL



Tgt Ion:128 Resp: 15040
Ion Ratio Lower Upper
128 100
129 12.6 9.5 14.3
127 15.3 10.7 16.1

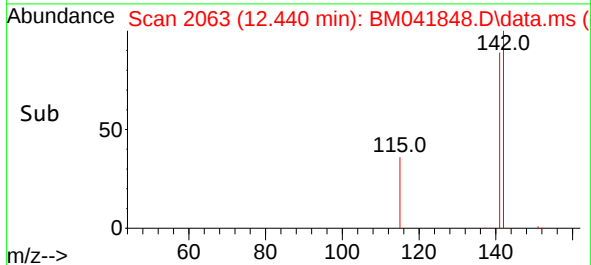
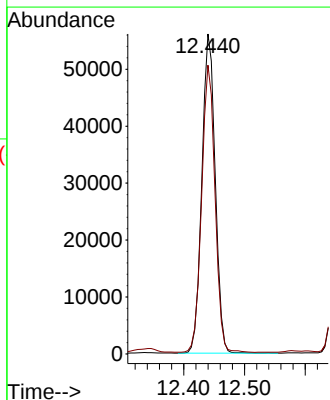
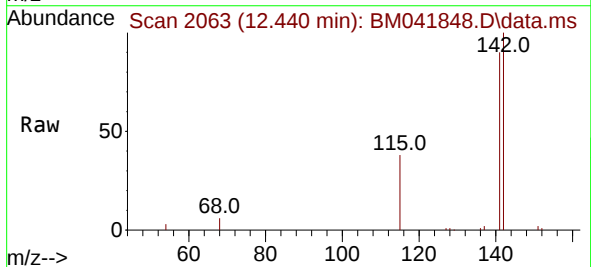
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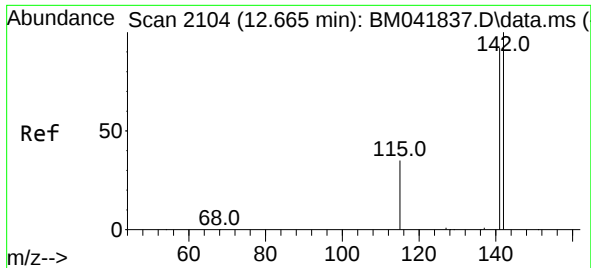
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#7
2-Methylnaphthalene
Concen: 1.444 ng/ul
RT: 12.440 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

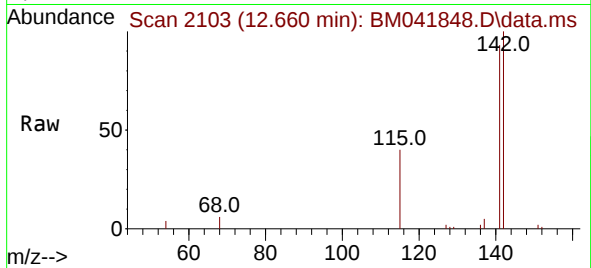
Tgt Ion:142 Resp: 85310
Ion Ratio Lower Upper
142 100
141 90.1 72.1 108.1





#8
1-Methylnaphthalene
Concen: 1.421 ng/ul
RT: 12.660 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

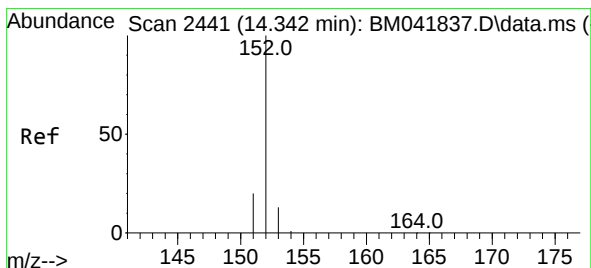
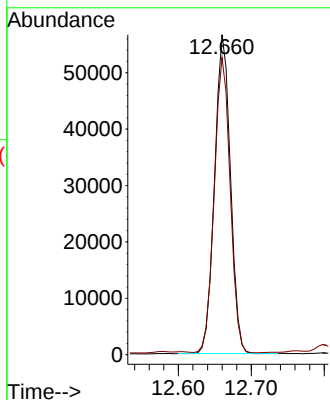
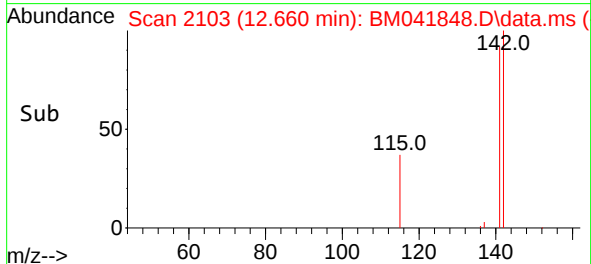
Instrument :
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Tgt Ion:142 Resp: 85640
Ion Ratio Lower Upper
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141 92.8 74.3 111.5

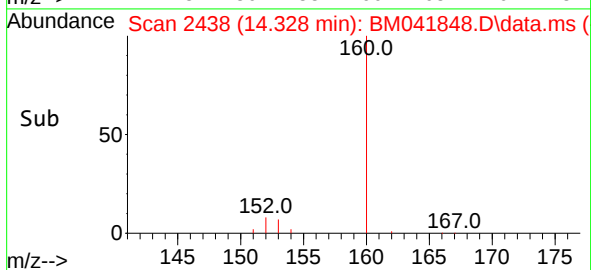
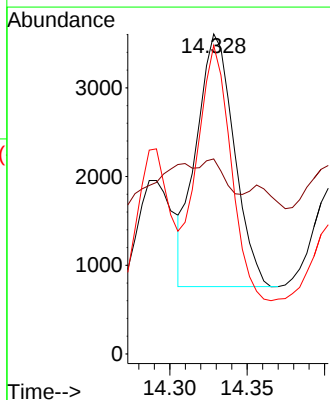
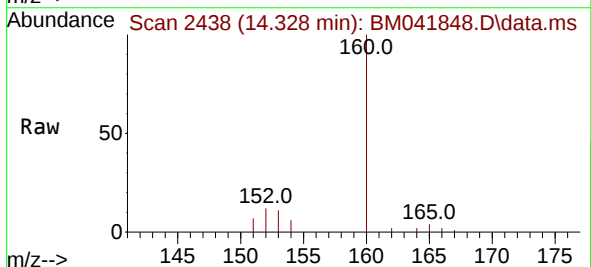
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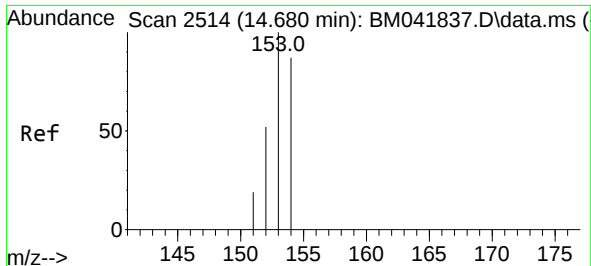
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#10
Acenaphthylene
Concen: 0.047 ng/ul
RT: 14.328 min Scan# 2438
Delta R.T. -0.014 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

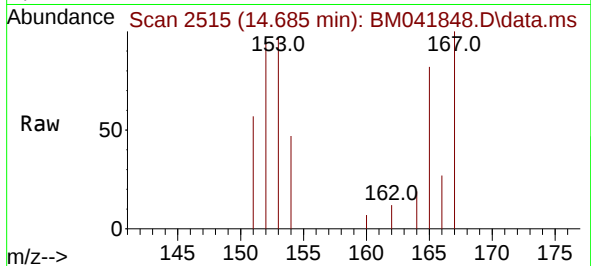
Tgt Ion:152 Resp: 4834
Ion Ratio Lower Upper
152 100
151 60.9 16.3 24.5#
153 96.4 10.9 16.3#





#11
Acenaphthene
Concen: 0.067 ng/ul
RT: 14.685 min Scan# 2515
Delta R.T. 0.005 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

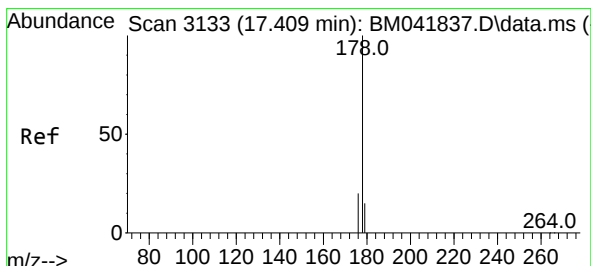
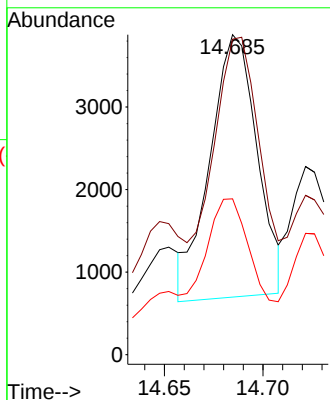
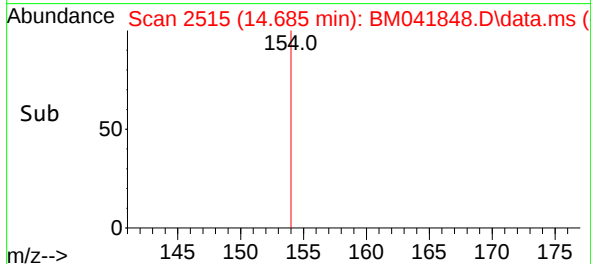
Instrument :
BNA_M
ClientSampleId :
EZYW8DL



Tgt Ion:153 Resp: 5299
Ion Ratio Lower Upper
153 100
152 98.6 41.5 62.3
154 48.7 70.7 106.1

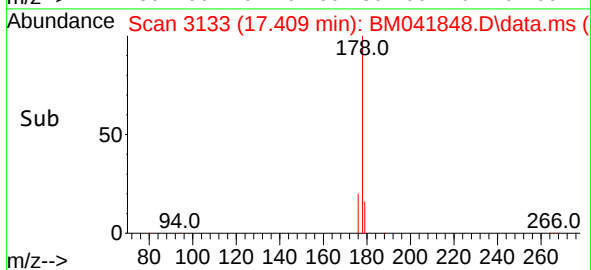
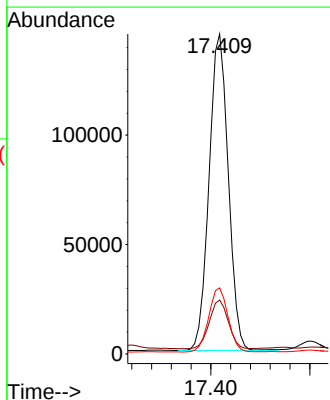
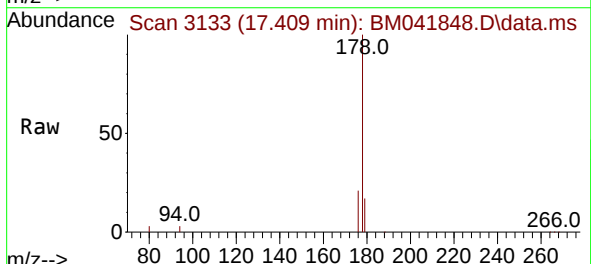
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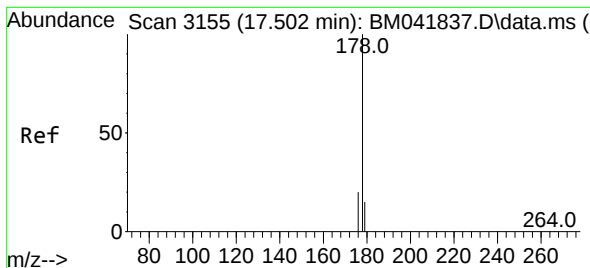
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#15
Phenanthrene
Concen: 1.365 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. -0.000 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

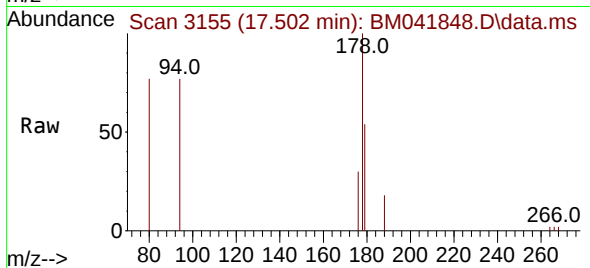
Tgt Ion:178 Resp: 194741
Ion Ratio Lower Upper
178 100
179 16.8 12.6 19.0
176 20.7 16.6 25.0





#16
 Anthracene
 Concen: 0.051 ng/u1
 RT: 17.502 min Scan# 3155
 Delta R.T. -0.000 min
 Lab File: BM041848.D
 Acq: 14 Sep 2023 02:10

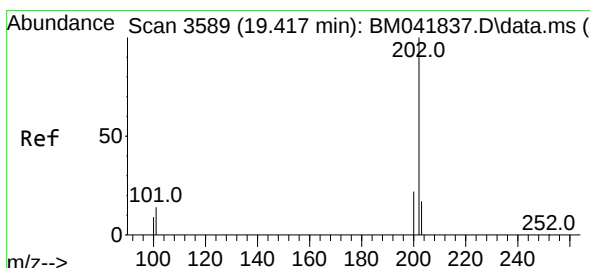
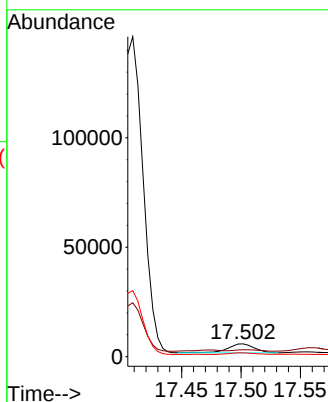
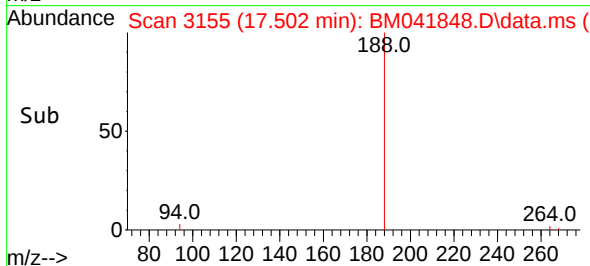
Instrument :
 BNA_M
 ClientSampleId :
 EZYW8DL



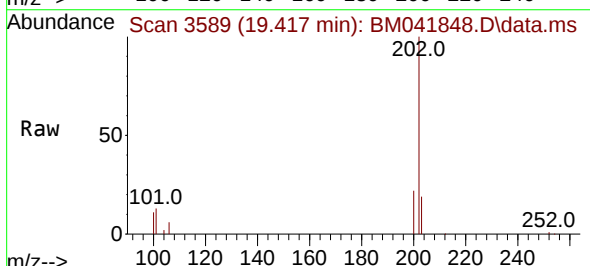
Tgt Ion:178 Resp: 6310
 Ion Ratio Lower Upper
 178 100
 179 53.7 12.7 19.1
 176 29.9 16.1 24.1

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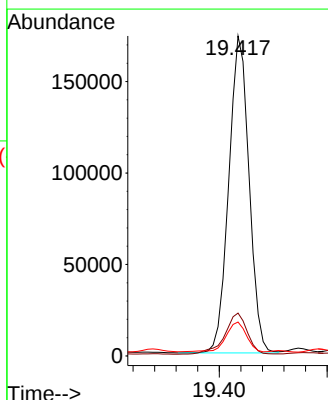
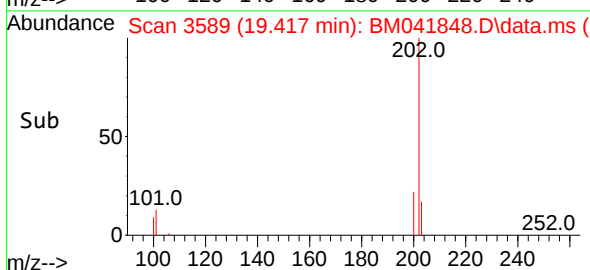
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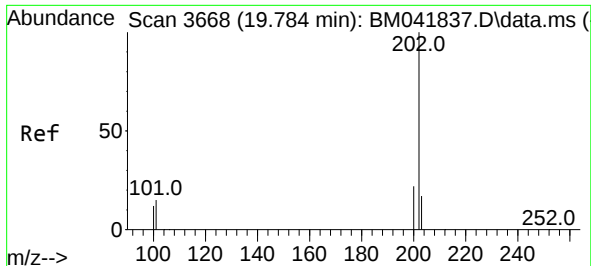


#19
 Fluoranthene
 Concen: 1.771 ng/u1
 RT: 19.417 min Scan# 3589
 Delta R.T. -0.000 min
 Lab File: BM041848.D
 Acq: 14 Sep 2023 02:10



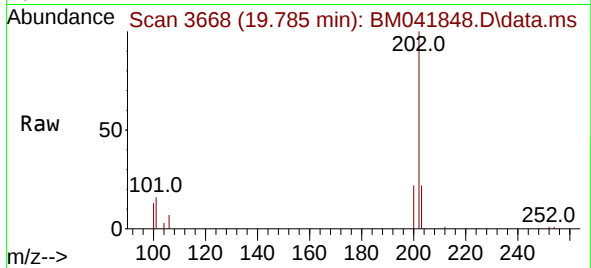
Tgt Ion:202 Resp: 225845
 Ion Ratio Lower Upper
 202 100
 101 13.4 11.0 16.6
 100 10.6 8.2 12.4





#20
Pyrene
Concen: 1.207 ng/ul
RT: 19.785 min Scan# 3668
Delta R.T. -0.000 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

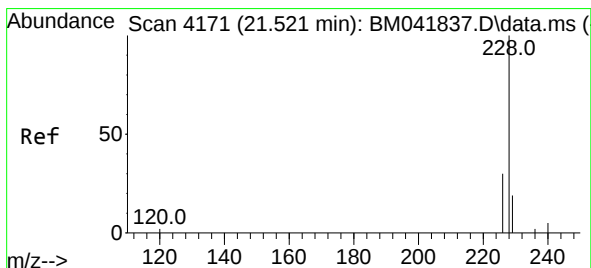
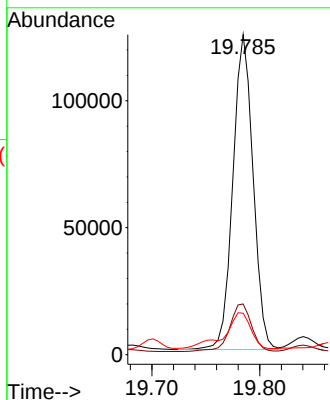
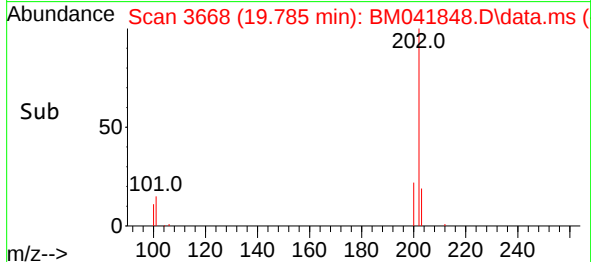
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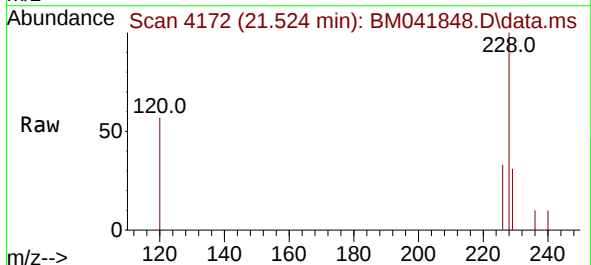
Tgt Ion:202 Resp: 161108
Ion Ratio Lower Upper
202 100
101 15.9 12.6 19.0
100 13.0 9.9 14.9

Manual Integrations
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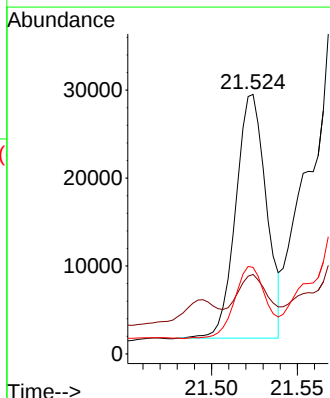
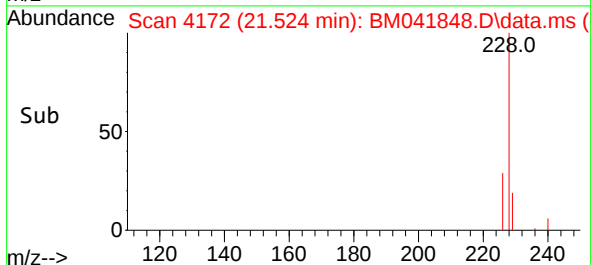
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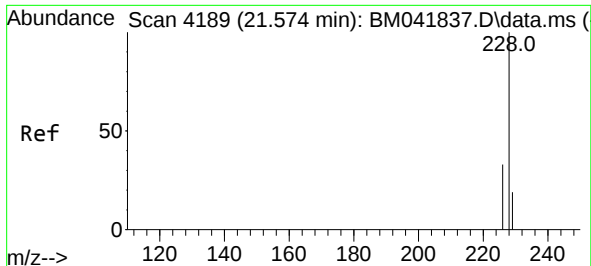


#21
Benzo(a)anthracene
Concen: 0.317 ng/ul
RT: 21.524 min Scan# 4172
Delta R.T. 0.003 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10



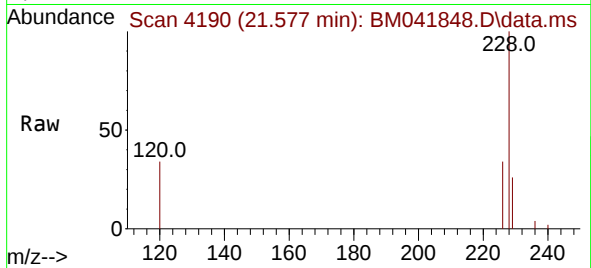
Tgt Ion:228 Resp: 34449
Ion Ratio Lower Upper
228 100
229 30.6 15.8 23.8#
226 33.4 24.3 36.5





#22
Chrysene
Concen: 0.834 ng/ul
RT: 21.577 min Scan# 4189
Delta R.T. -0.000 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

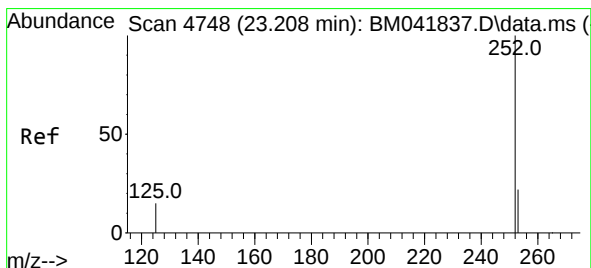
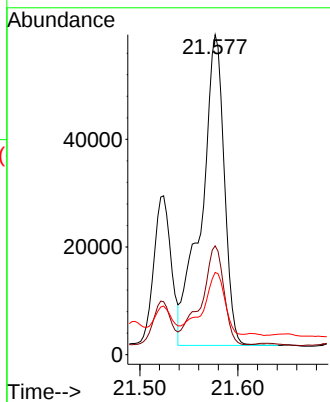
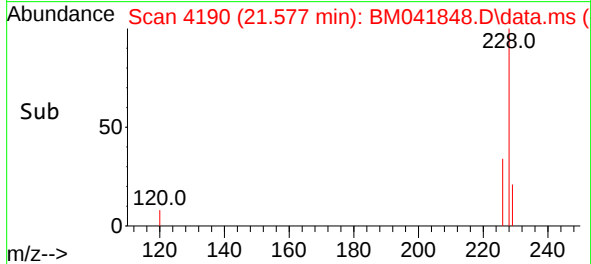
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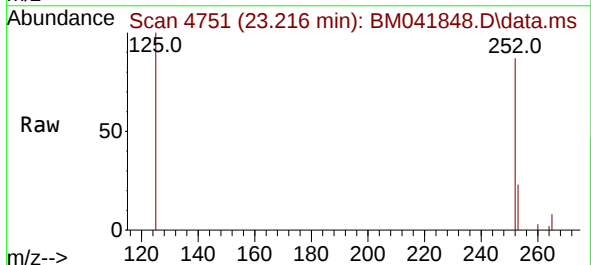
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Ion Ratio Lower Upper
228 100
226 34.0 27.0 40.4
229 25.7 15.7 23.5

Manual Integrations
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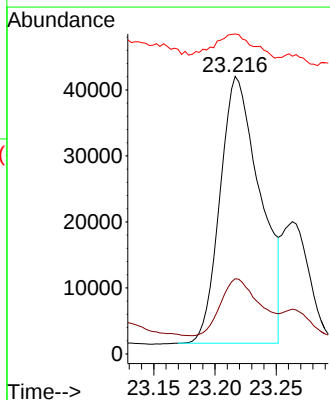
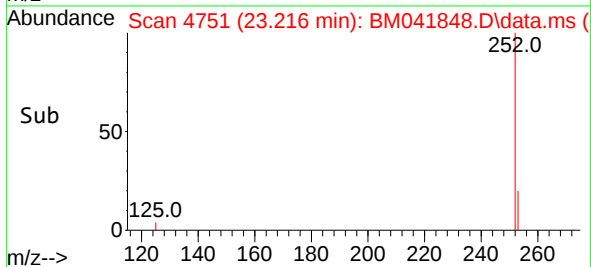
Reviewed By :Yogesh Patel 09/14/2023
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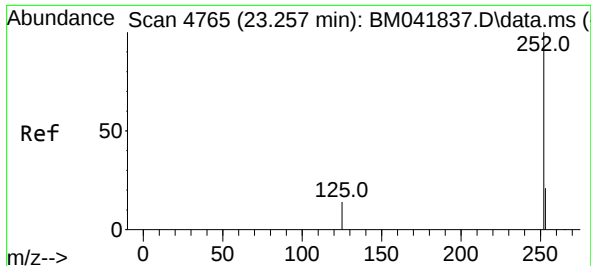


#24
Benzo(b)fluoranthene
Concen: 0.851 ng/ul
RT: 23.216 min Scan# 4751
Delta R.T. 0.009 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10



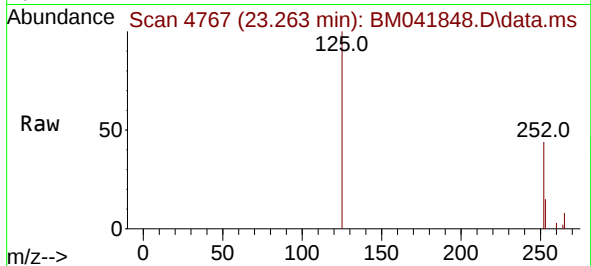
Tgt Ion:252 Resp: 92219
Ion Ratio Lower Upper
252 100
253 27.1 0.0 51.0
125 115.3 0.0 39.8





#25
Benzo(k)fluoranthene
Concen: 0.301 ng/ul m
RT: 23.263 min Scan# 41
Delta R.T. 0.003 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

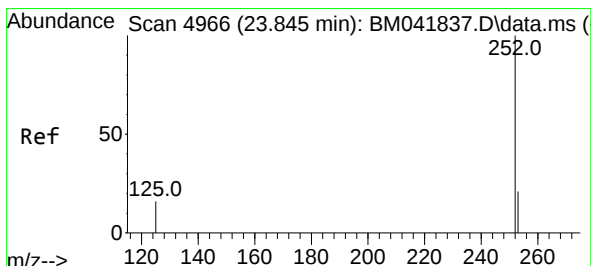
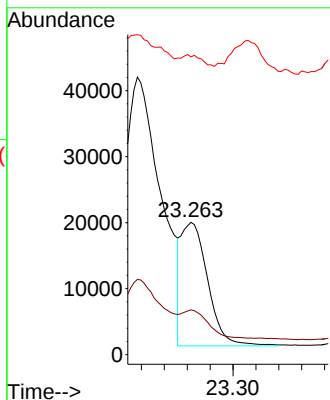
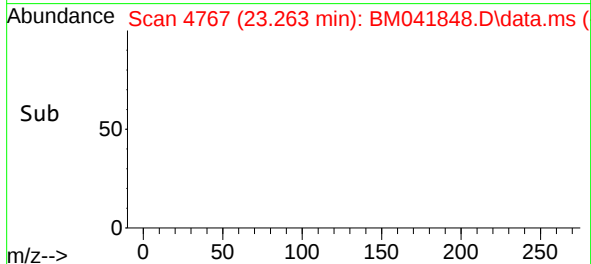
Instrument :
BNA_M
ClientSampleId :
EZYW8DL



Tgt Ion:252 Resp: 30060
Ion Ratio Lower Upper
252 100
253 33.9 20.2 30.2#
125 225.0 15.8 23.8#

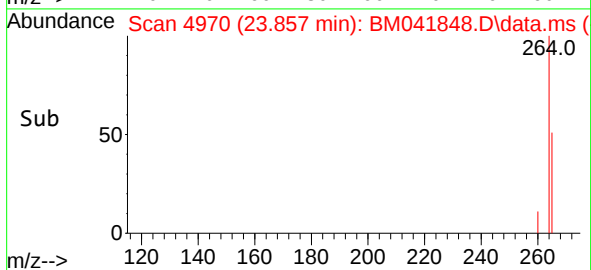
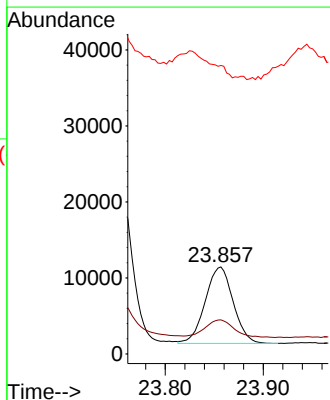
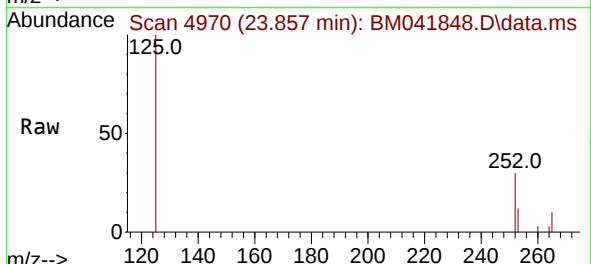
Manual Integrations
APPROVED

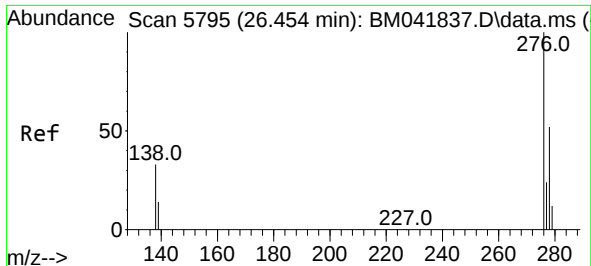
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#26
Benzo(a)pyrene
Concen: 0.242 ng/ul
RT: 23.857 min Scan# 4970
Delta R.T. 0.012 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

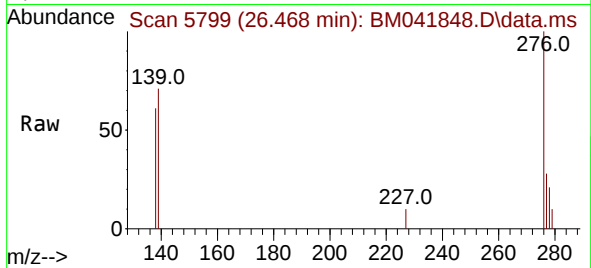
Tgt Ion:252 Resp: 19950
Ion Ratio Lower Upper
252 100
253 39.2 21.8 32.8#
125 331.6 18.8 28.2#





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.295 ng/ul
 RT: 26.468 min Scan# 5799
 Delta R.T. 0.013 min
 Lab File: BM041848.D
 Acq: 14 Sep 2023 02:10

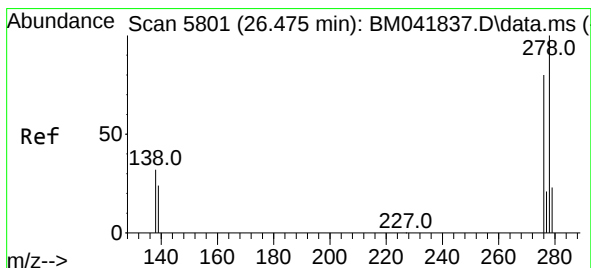
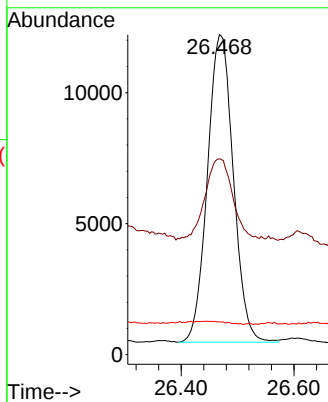
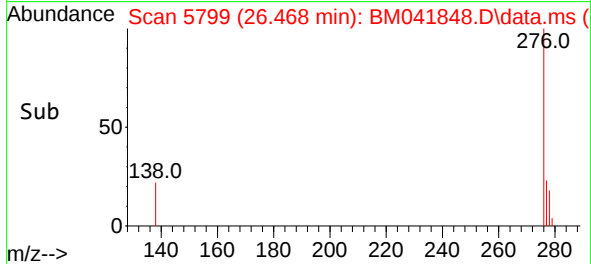
Instrument :
 BNA_M
 ClientSampleId :
 EZYW8DL



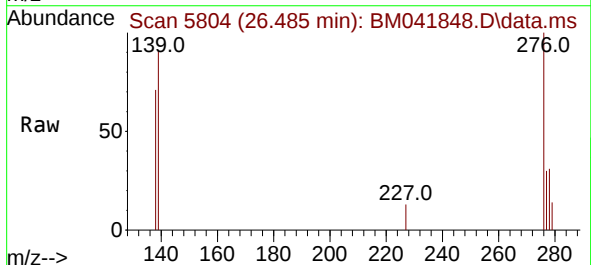
Tgt Ion: 276 Resp: 37470
 Ion Ratio Lower Upper
 276 100
 138 29.1 27.7 41.5
 227 0.0 0.1 0.1

Manual Integrations
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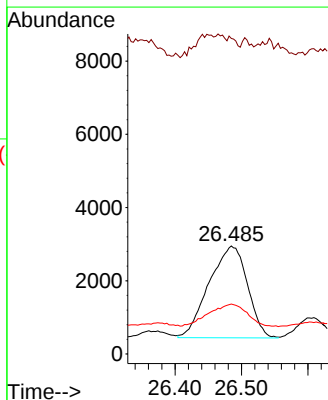
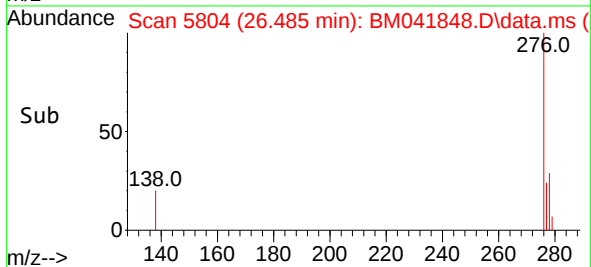
Reviewed By : Yogesh Patel 09/14/2023
 Supervised By : mohammad ahmed 09/15/2023

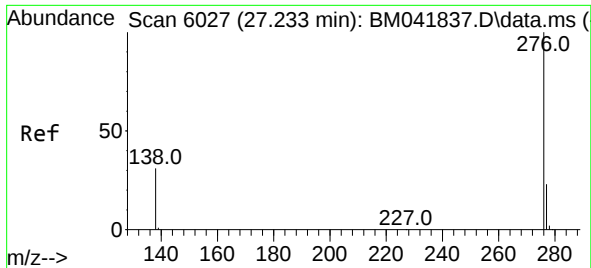


#28
 Dibenzo(a,h)anthracene
 Concen: 0.108 ng/ul
 RT: 26.485 min Scan# 5804
 Delta R.T. 0.010 min
 Lab File: BM041848.D
 Acq: 14 Sep 2023 02:10



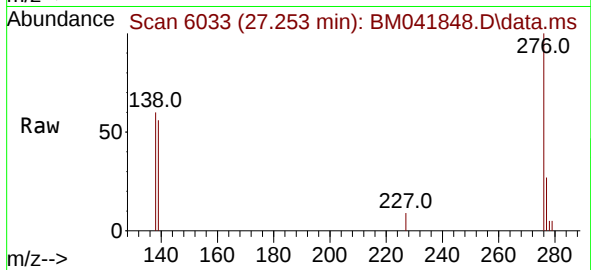
Tgt Ion: 278 Resp: 10075
 Ion Ratio Lower Upper
 278 100
 139 292.1 20.9 31.3#
 279 46.2 20.3 30.5#





#29
Benzo(g,h,i)perylene
Concen: 0.387 ng/ul
RT: 27.253 min Scan# 6027
Delta R.T. 0.017 min
Lab File: BM041848.D
Acq: 14 Sep 2023 02:10

Instrument :
BNA_M
ClientSampleId :
EZYW8DL



Tgt Ion:276 Resp: 4154
Ion Ratio Lower Upper
276 100
138 59.5 24.7 37.1
277 27.1 19.3 28.9

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Supervised By :mohammad ahmed 09/15/2023

