

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072023\
 Data File : BM041005.D
 Acq On : 21 Jul 2023 06:20
 Operator : MA/JU
 Sample : 03444-19
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46Y0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :mohammad ahmed 07/21/2023

Quant Time: Jul 21 07:12:28 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 : Thu Jul 20 05:08:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	3437	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.664	136	12573	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.514	164	6643	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.295	188	43721m	0.400	ng/ul	0.01
17) Chrysene-d12	21.463	240	9444	0.400	ng/ul	0.00
23) Perylene-d12	23.854	264	7030	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.276	96	6418	1.136	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	4752	0.284	ng/ul	-0.02
18) Fluoranthene-d10	19.301	212	8824	0.222	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.313	88	1274	0.214	ng/ul#	1
5) Naphthalene	10.719	128	22951	0.667	ng/ul	100
7) 2-Methylnaphthalene	12.335	142	2800	0.148	ng/ul	99
8) 1-Methylnaphthalene	12.555	142	4851	0.242	ng/ul	94
10) Acenaphthylene	14.236	152	2752	0.099	ng/ul#	67
11) Acenaphthene	14.578	153	4519	0.184	ng/ul	99
12) Fluorene	15.568	166	6058	0.239	ng/ul#	98
15) Phenanthrene	17.312	178	72171	0.552	ng/ul	99
16) Anthracene	17.405	178	6562	0.064	ng/ul#	94
19) Fluoranthene	19.334	202	87977	1.804	ng/ul	96
20) Pyrene	19.696	202	77702	1.560	ng/ul	97
21) Benzo(a)anthracene	21.445	228	29466	1.024	ng/ul	97
22) Chrysene	21.498	228	35740	1.087	ng/ul	97
24) Benzo(b)fluoranthene	23.126	252	36460	1.351	ng/ul	96
25) Benzo(k)fluoranthene	23.170	252	15174m	0.592	ng/ul	
26) Benzo(a)pyrene	23.743	252	9108	0.391	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.321	276	23921	0.773	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.324	278	6068	0.259	ng/ul#	74
29) Benzo(g,h,i)perylene	27.078	276	15411	0.539	ng/ul	99

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

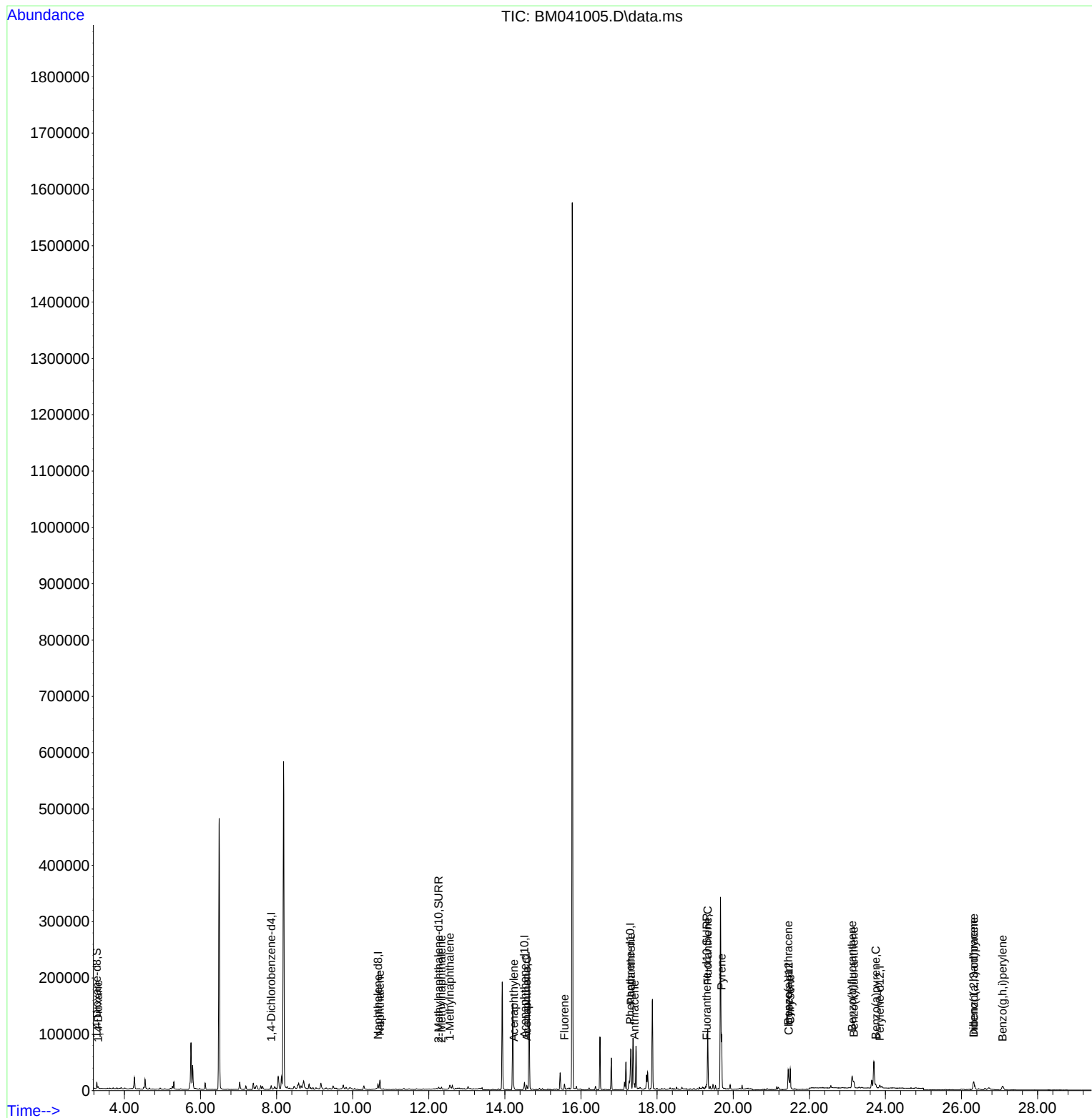
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072023\
Data File : BM041005.D
Acq On : 21 Jul 2023 06:20
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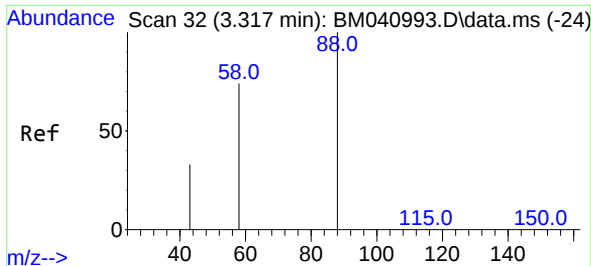
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Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

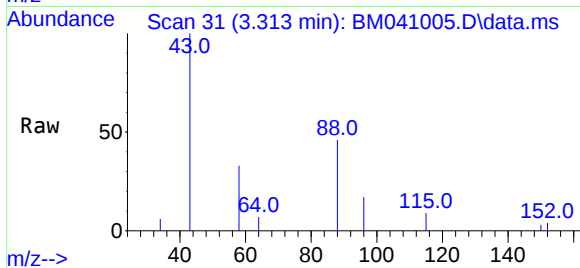
Quant Time: Jul 21 07:12:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 20 05:08:42 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.214 ng/ul
RT: 3.313 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

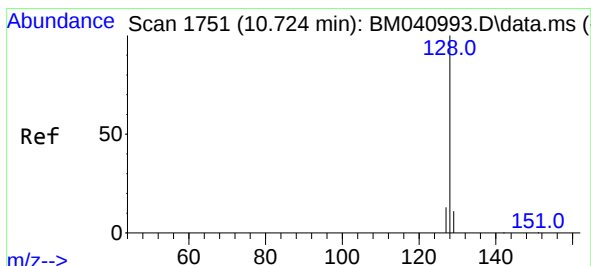
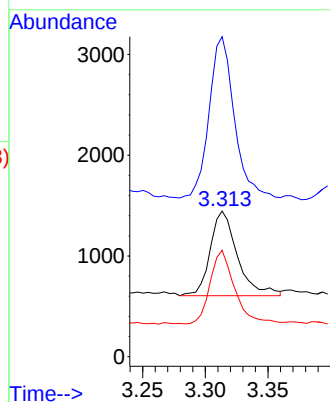
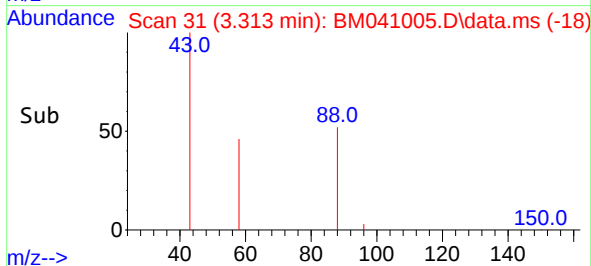
Instrument :
BNA_M
ClientSampleId :
A46Y0



Tgt Ion: 88 Resp: 1274
Ion Ratio Lower Upper
88 100
43 219.7 46.7 70.1
58 73.0 40.3 60.5

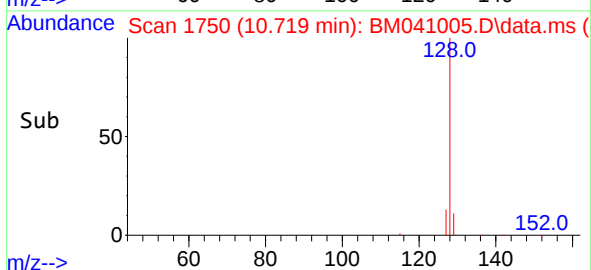
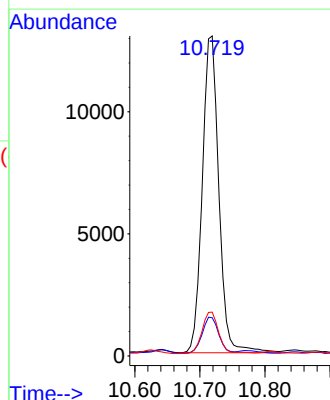
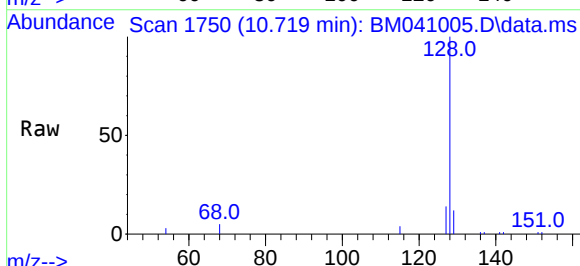
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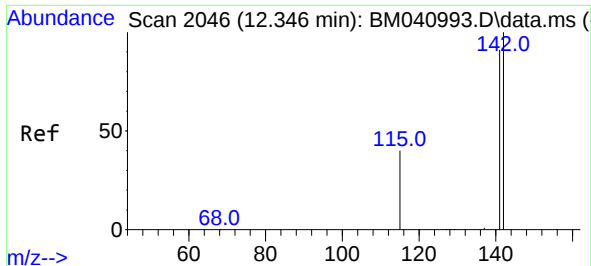
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#5
Naphthalene
Concen: 0.667 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. -0.011 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

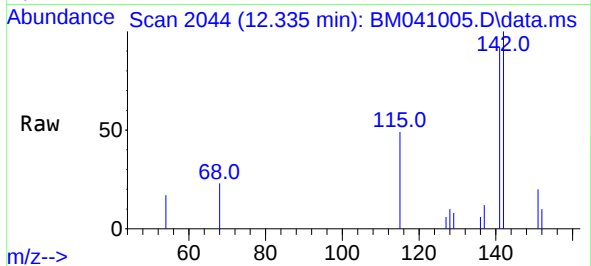
Tgt Ion:128 Resp: 22951
Ion Ratio Lower Upper
128 100
129 12.0 9.8 14.8
127 13.7 11.0 16.4





#7
2-Methylnaphthalene
Concen: 0.148 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.016 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

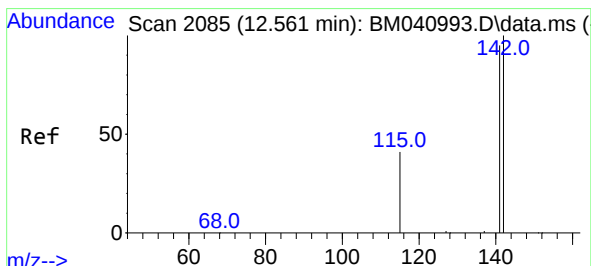
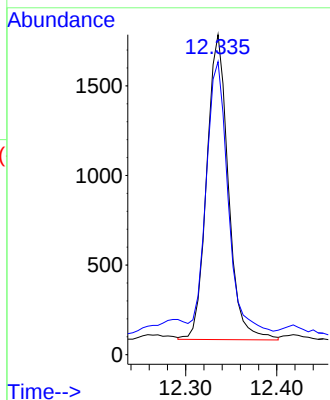
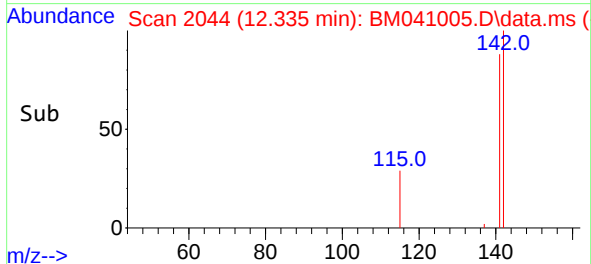
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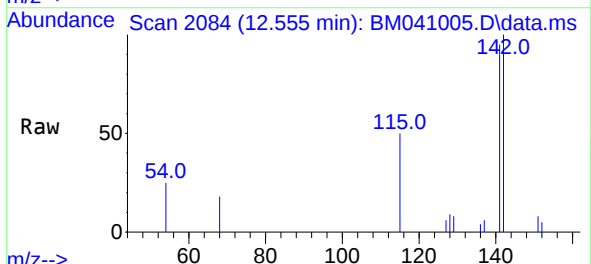
Tgt Ion:142 Resp: 2800
Ion Ratio Lower Upper
142 100
141 90.6 73.2 109.8

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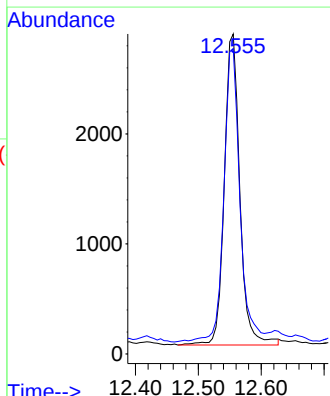
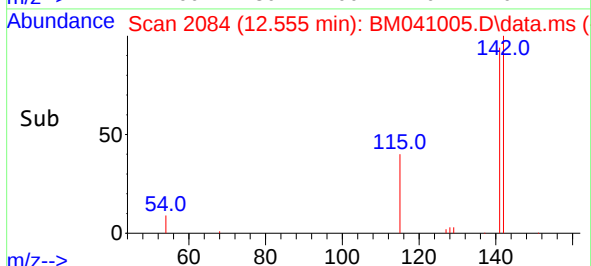
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

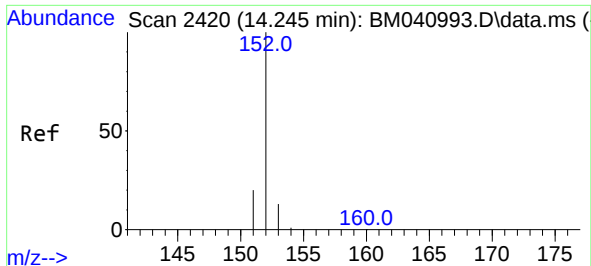


#8
1-Methylnaphthalene
Concen: 0.242 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. -0.011 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20



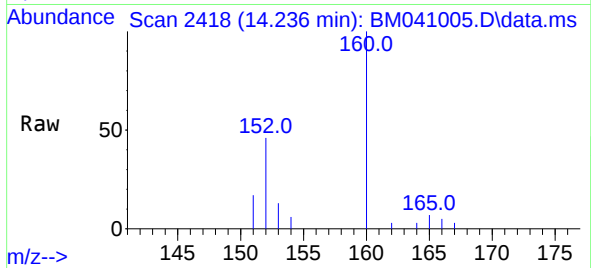
Tgt Ion:142 Resp: 4851
Ion Ratio Lower Upper
142 100
141 97.5 73.4 110.2





#10
Acenaphthylene
Concen: 0.099 ng/u1
RT: 14.236 min Scan# 2418
Delta R.T. -0.014 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

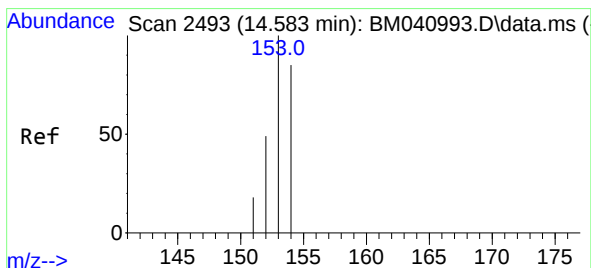
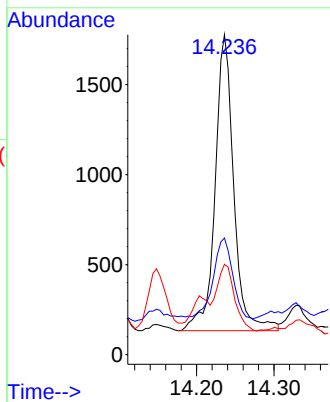
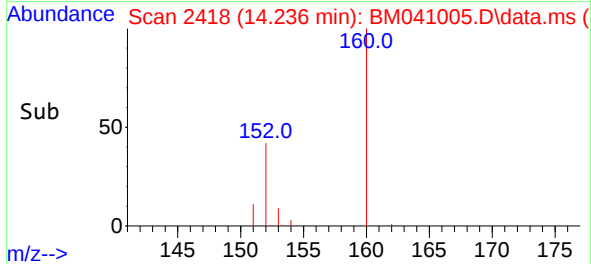
Instrument :
BNA_M
ClientSampleId :
A46Y0



Tgt Ion:152 Resp: 2752
Ion Ratio Lower Upper
152 100
151 36.5 16.8 25.2
153 28.2 11.6 17.4

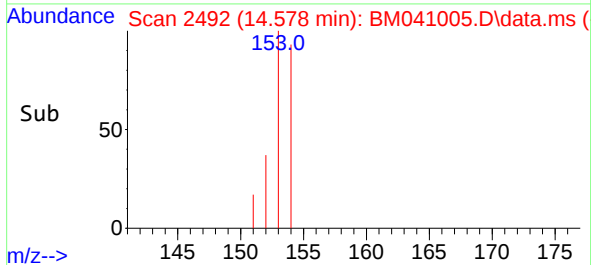
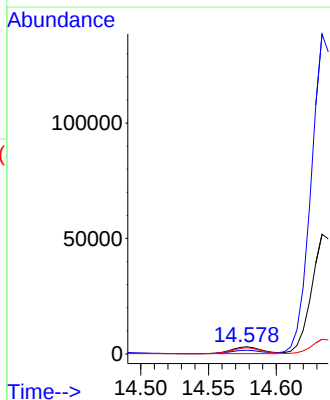
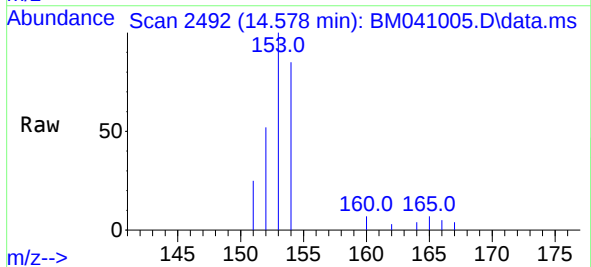
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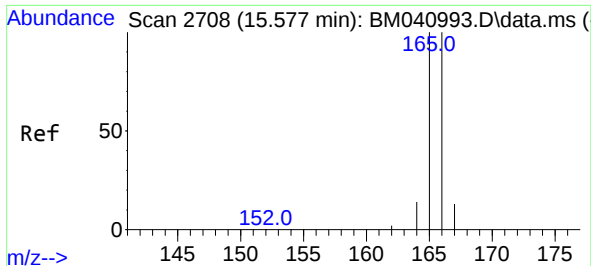
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#11
Acenaphthene
Concen: 0.184 ng/u1
RT: 14.578 min Scan# 2492
Delta R.T. -0.009 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

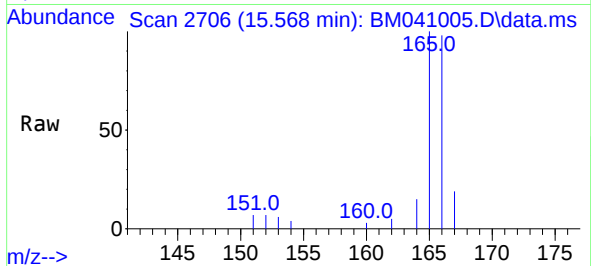
Tgt Ion:153 Resp: 4519
Ion Ratio Lower Upper
153 100
152 51.9 41.0 61.6
154 85.5 68.2 102.2





#12
Fluorene
Concen: 0.239 ng/u1
RT: 15.568 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

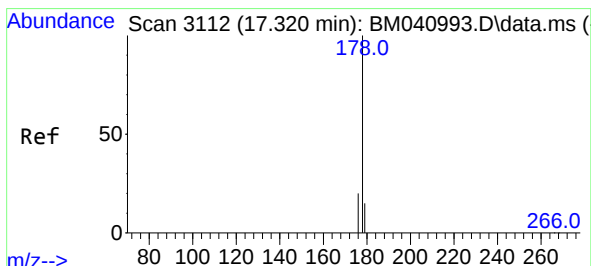
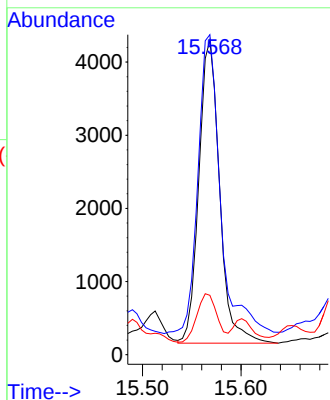
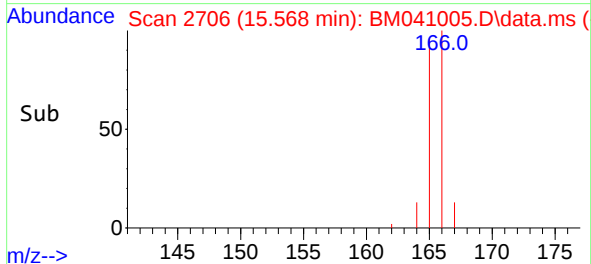
Instrument :
BNA_M
ClientSampleId :
A46Y0



Tgt Ion:166 Resp: 605
Ion Ratio Lower Upper
166 100
165 101.7 80.3 120.5
167 18.9 11.7 17.5

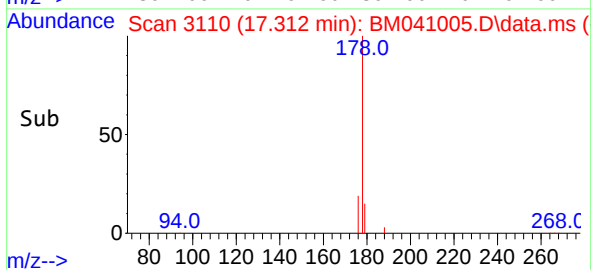
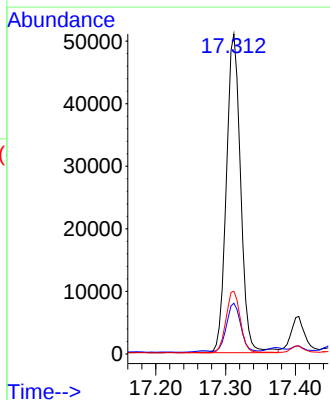
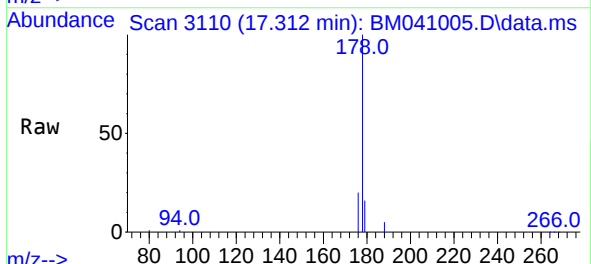
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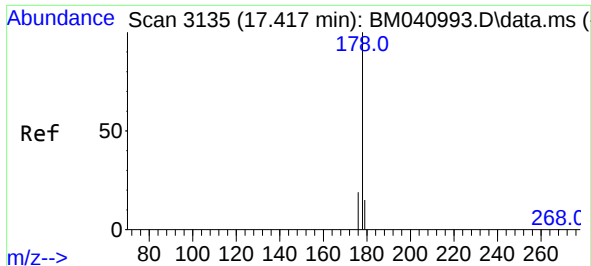
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#15
Phenanthrene
Concen: 0.552 ng/u1
RT: 17.312 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

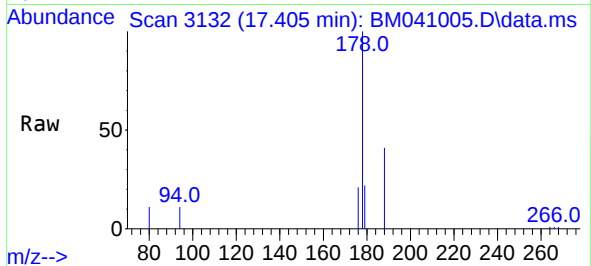
Tgt Ion:178 Resp: 72171
Ion Ratio Lower Upper
178 100
179 15.9 13.0 19.6
176 19.6 16.2 24.4





#16
 Anthracene
 Concen: 0.064 ng/u1
 RT: 17.405 min Scan# 3135
 Delta R.T. -0.017 min
 Lab File: BM041005.D
 Acq: 21 Jul 2023 06:20

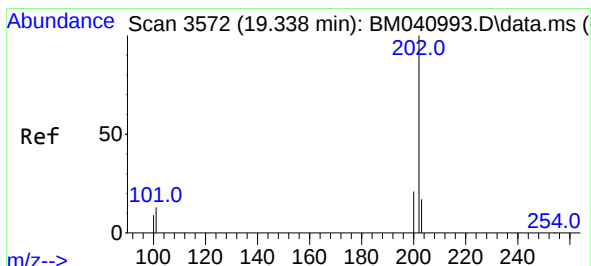
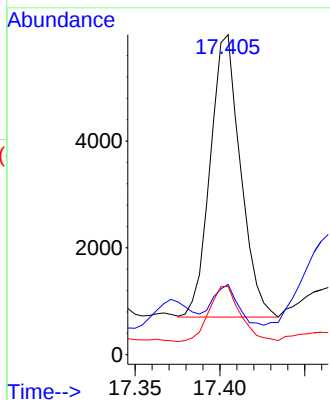
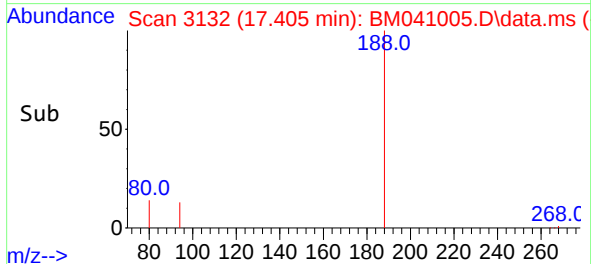
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Tgt Ion:178 Resp: 6562
 Ion Ratio Lower Upper
 178 100
 179 22.0 13.7 20.5
 176 21.3 16.4 24.6

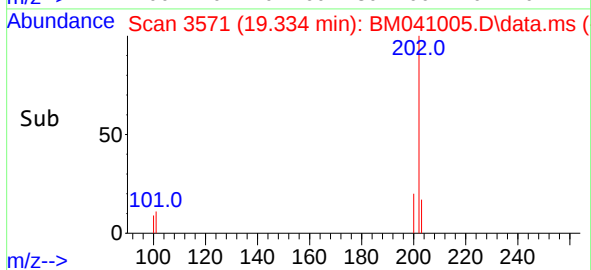
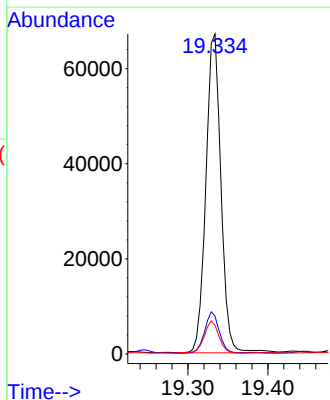
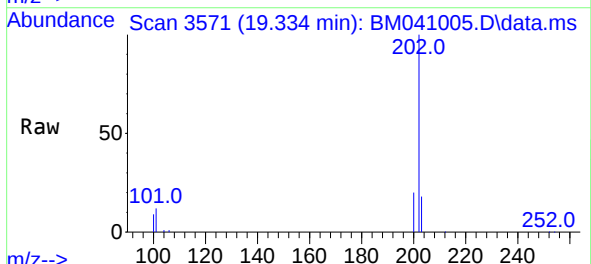
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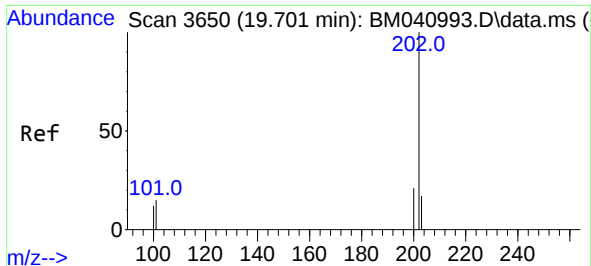
Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :mohammad ahmed 07/21/2023



#19
 Fluoranthene
 Concen: 1.804 ng/u1
 RT: 19.334 min Scan# 3571
 Delta R.T. -0.009 min
 Lab File: BM041005.D
 Acq: 21 Jul 2023 06:20

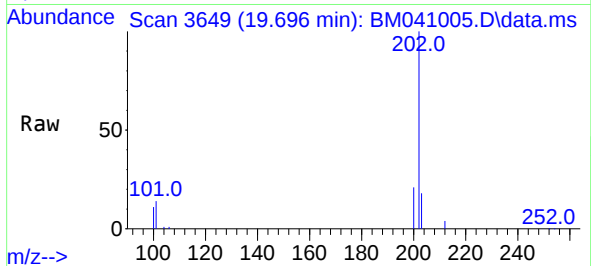
Tgt Ion:202 Resp: 87977
 Ion Ratio Lower Upper
 202 100
 101 11.8 11.0 16.4
 100 8.9 8.3 12.5





#20
Pyrene
Concen: 1.560 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.009 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

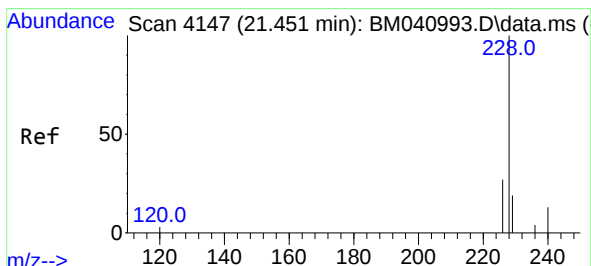
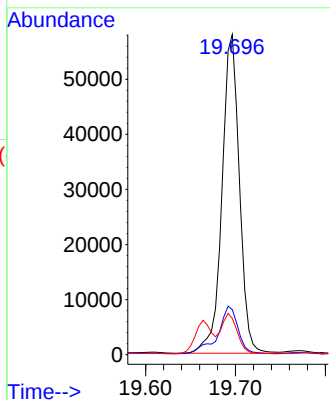
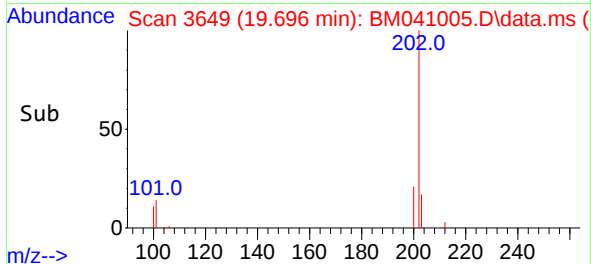
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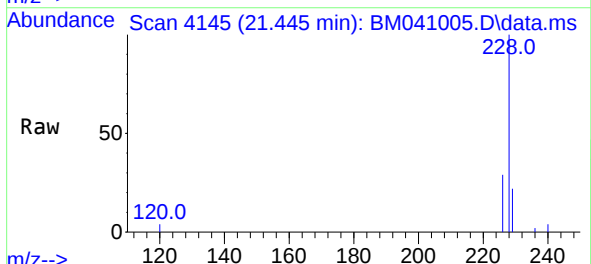
Tgt Ion:202 Resp: 7770
Ion Ratio Lower Upper
202 100
101 14.1 12.5 18.7
100 11.3 10.0 15.0

Manual Integrations
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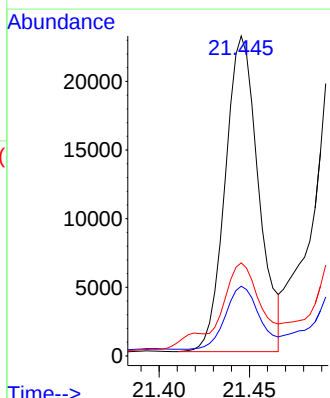
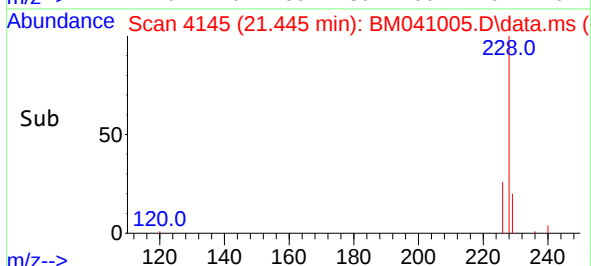
Reviewed By :Yogesh Patel 07/21/2023
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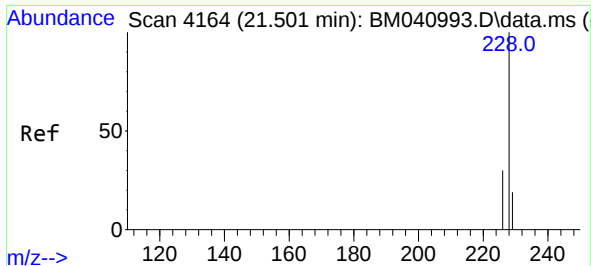


#21
Benzo(a)anthracene
Concen: 1.024 ng/ul
RT: 21.445 min Scan# 4145
Delta R.T. -0.011 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20



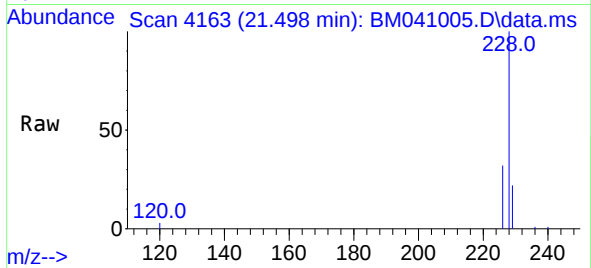
Tgt Ion:228 Resp: 29466
Ion Ratio Lower Upper
228 100
229 21.8 16.2 24.4
226 29.1 22.3 33.5





#22
Chrysene
Concen: 1.087 ng/u1
RT: 21.498 min Scan# 4164
Delta R.T. -0.009 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

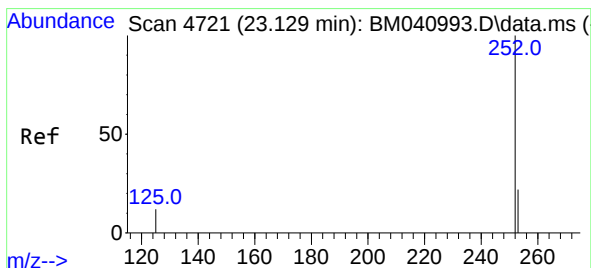
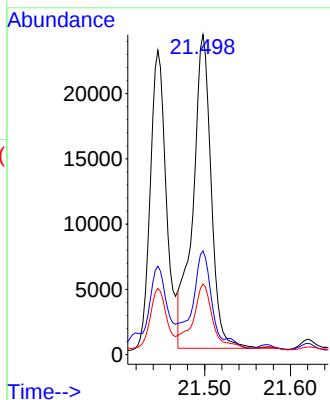
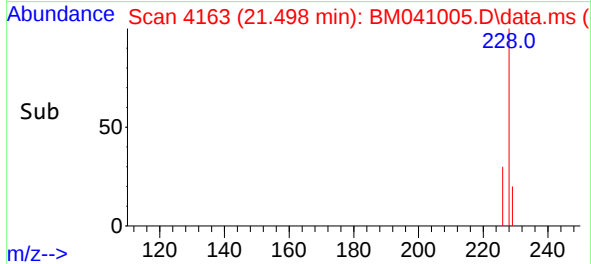
Instrument :
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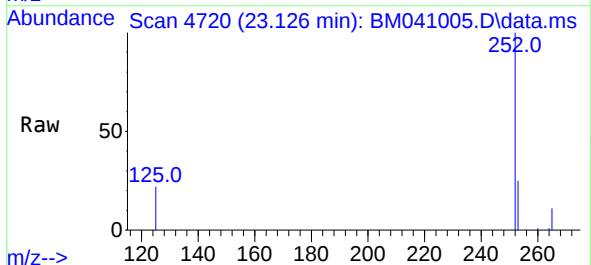
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Ion Ratio Lower Upper
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226 32.4 24.6 37.0
229 22.1 16.1 24.1

Manual Integrations
APPROVED

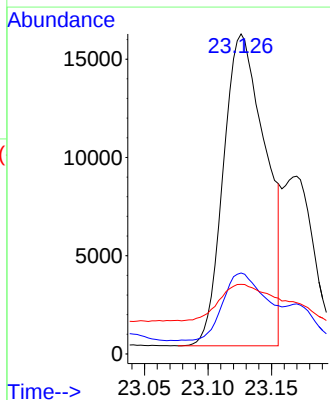
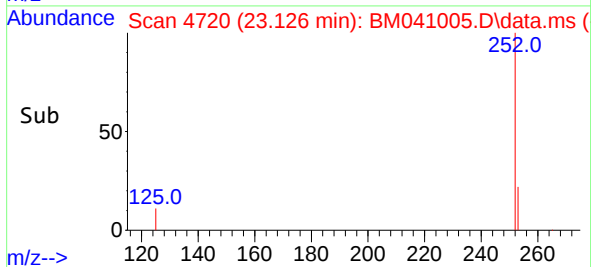
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

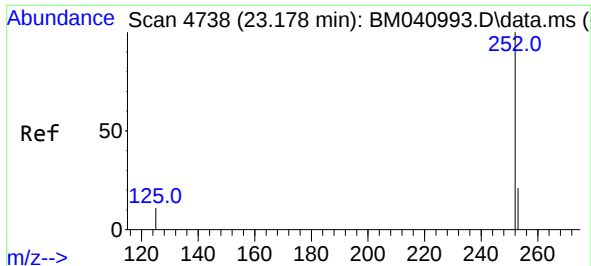


#24
Benzo(b)fluoranthene
Concen: 1.351 ng/u1
RT: 23.126 min Scan# 4720
Delta R.T. -0.009 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20



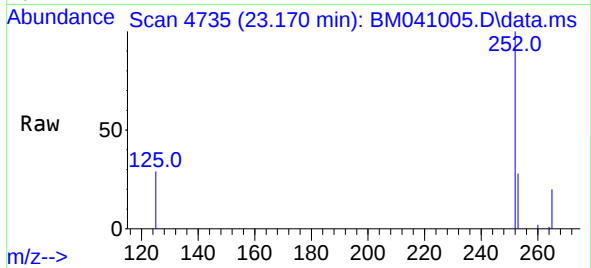
Tgt Ion:252 Resp: 36460
Ion Ratio Lower Upper
252 100
253 25.3 0.0 57.4
125 21.7 0.0 45.2





#25
Benzo(k)fluoranthene
Concen: 0.592 ng/ul m
RT: 23.170 min Scan# 4738
Delta R.T. -0.017 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

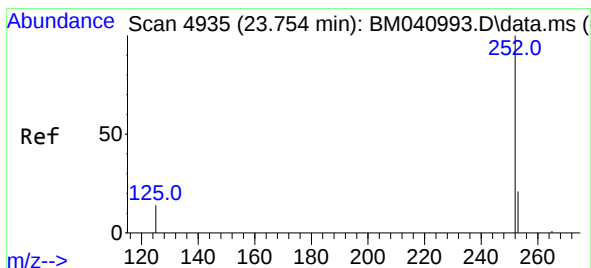
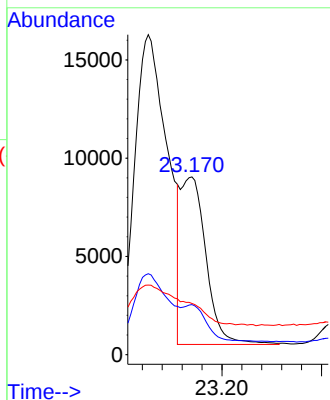
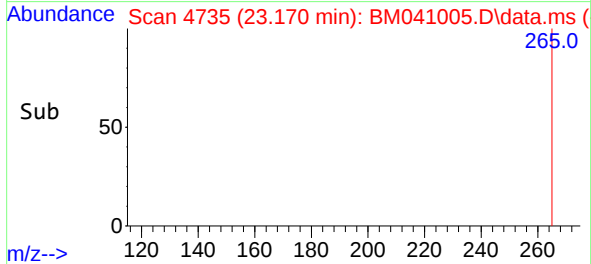
Instrument :
BNA_M
ClientSampleId :
A46Y0



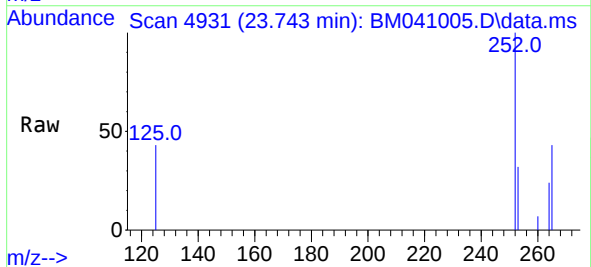
Tgt Ion:252 Resp: 15174
Ion Ratio Lower Upper
252 100
253 28.2 23.3 34.9
125 28.8 18.2 27.2

Manual Integrations
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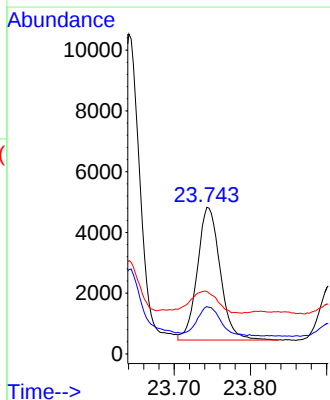
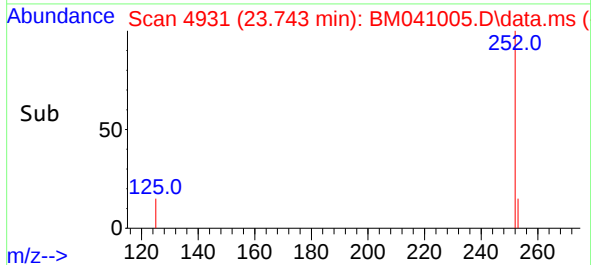
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

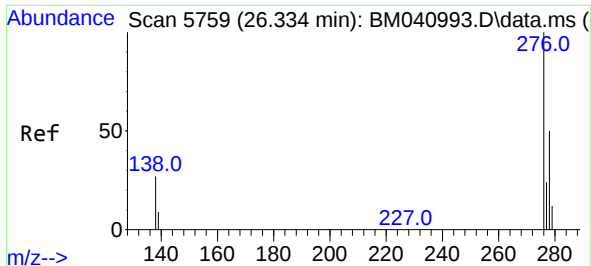


#26
Benzo(a)pyrene
Concen: 0.391 ng/ul
RT: 23.743 min Scan# 4931
Delta R.T. -0.020 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20



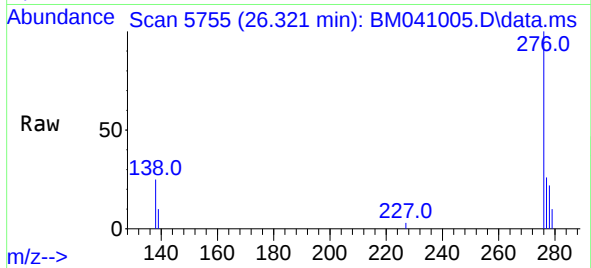
Tgt Ion:252 Resp: 9108
Ion Ratio Lower Upper
252 100
253 32.3 28.2 42.2
125 42.6 25.2 37.8





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.773 ng/ul
RT: 26.321 min Scan# 5755
Delta R.T. -0.030 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

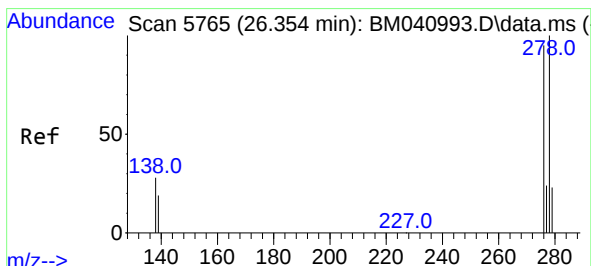
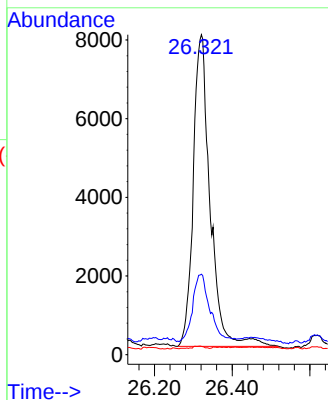
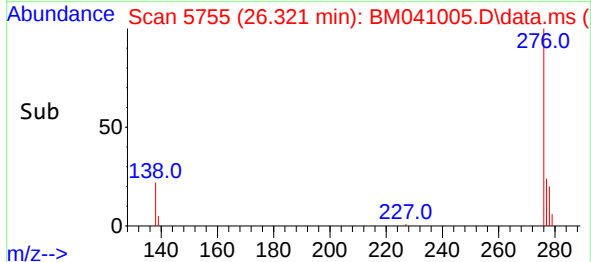
Instrument :
BNA_M
ClientSampleId :
A46Y0



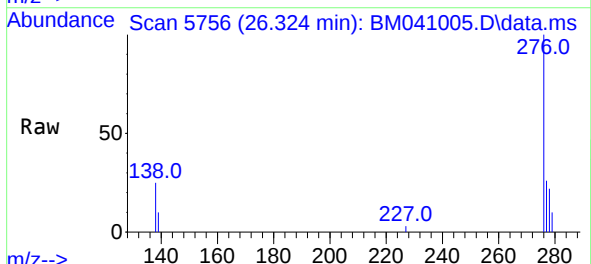
Tgt Ion:276 Resp: 2392
Ion Ratio Lower Upper
276 100
138 22.6 22.3 33.5
227 0.7 0.0 0.0

Manual Integrations
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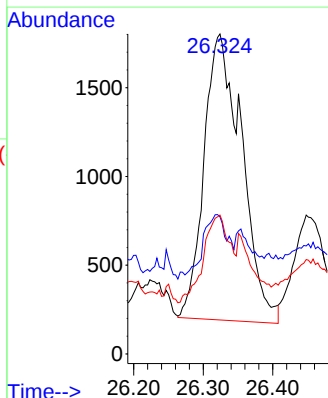
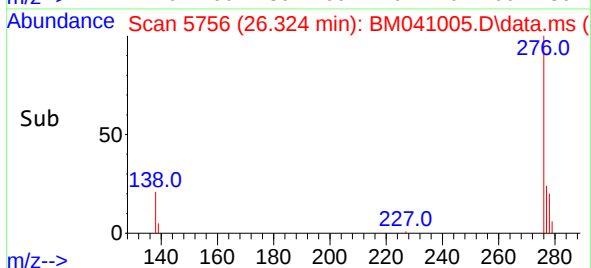
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

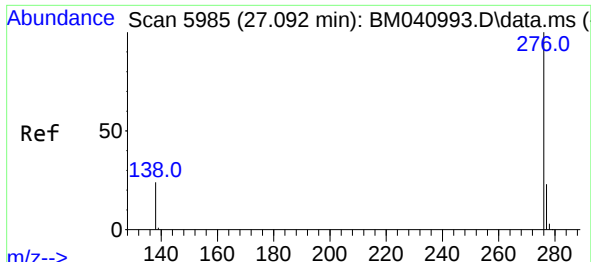


#28
Dibenzo(a,h)anthracene
Concen: 0.259 ng/ul
RT: 26.324 min Scan# 5756
Delta R.T. -0.043 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20



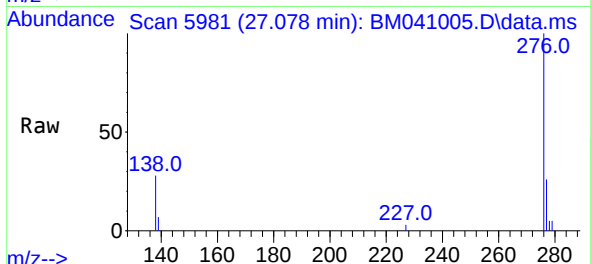
Tgt Ion:278 Resp: 6068
Ion Ratio Lower Upper
278 100
139 42.9 19.2 28.8#
279 43.4 27.0 40.6#





#29
Benzo(g,h,i)perylene
Concen: 0.539 ng/ul
RT: 27.078 min Scan# 5985
Delta R.T. -0.023 min
Lab File: BM041005.D
Acq: 21 Jul 2023 06:20

Instrument :
BNA_M
ClientSampleId :
A46Y0



Tgt Ion:276 Resp: 1541
Ion Ratio Lower Upper
276 100
138 27.8 22.6 34.0
277 26.0 21.2 31.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

