

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041033.D
 Acq On : 22 Jul 2023 01:02
 Operator : MA/JU
 Sample : 03444-19DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46Y0DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

Quant Time: Jul 22 02:37:02 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 : Fri Jul 21 18:20:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	4437	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	15296	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	8030	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.269	188	21201	0.400	ng/ul	0.00
17) Chrysene-d12	21.466	240	11337	0.400	ng/ul	0.00
23) Perylene-d12	23.854	264	10562	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	1732	0.237	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.269	152	1200	0.059	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	1947	0.041	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.317	88	326	0.042	ng/ul#	43
5) Naphthalene	10.719	128	5799	0.139	ng/ul	96
7) 2-Methylnaphthalene	12.341	142	692	0.030	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	1196	0.049	ng/ul	89
10) Acenaphthylene	14.236	152	709	0.021	ng/ul#	38
11) Acenaphthene	14.578	153	1109	0.037	ng/ul	97
12) Fluorene	15.568	166	1432	0.047	ng/ul#	93
15) Phenanthrene	17.312	178	15629	0.247	ng/ul	99
16) Anthracene	17.405	178	999	0.020	ng/ul#	77
19) Fluoranthene	19.334	202	19356	0.331	ng/ul	94
20) Pyrene	19.696	202	18760	0.314	ng/ul	96
21) Benzo(a)anthracene	21.448	228	7682	0.222	ng/ul	96
22) Chrysene	21.501	228	8198	0.208	ng/ul	94
24) Benzo(b)fluoranthene	23.129	252	9975	0.246	ng/ul	89
25) Benzo(k)fluoranthene	23.173	252	4808m	0.125	ng/ul	
26) Benzo(a)pyrene	23.746	252	2304	0.066	ng/ul#	50
27) Indeno(1,2,3-cd)pyrene	26.327	276	5242	0.113	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.340	278	1241	0.035	ng/ul#	22
29) Benzo(g,h,i)perylene	27.088	276	5228	0.122	ng/ul	96

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

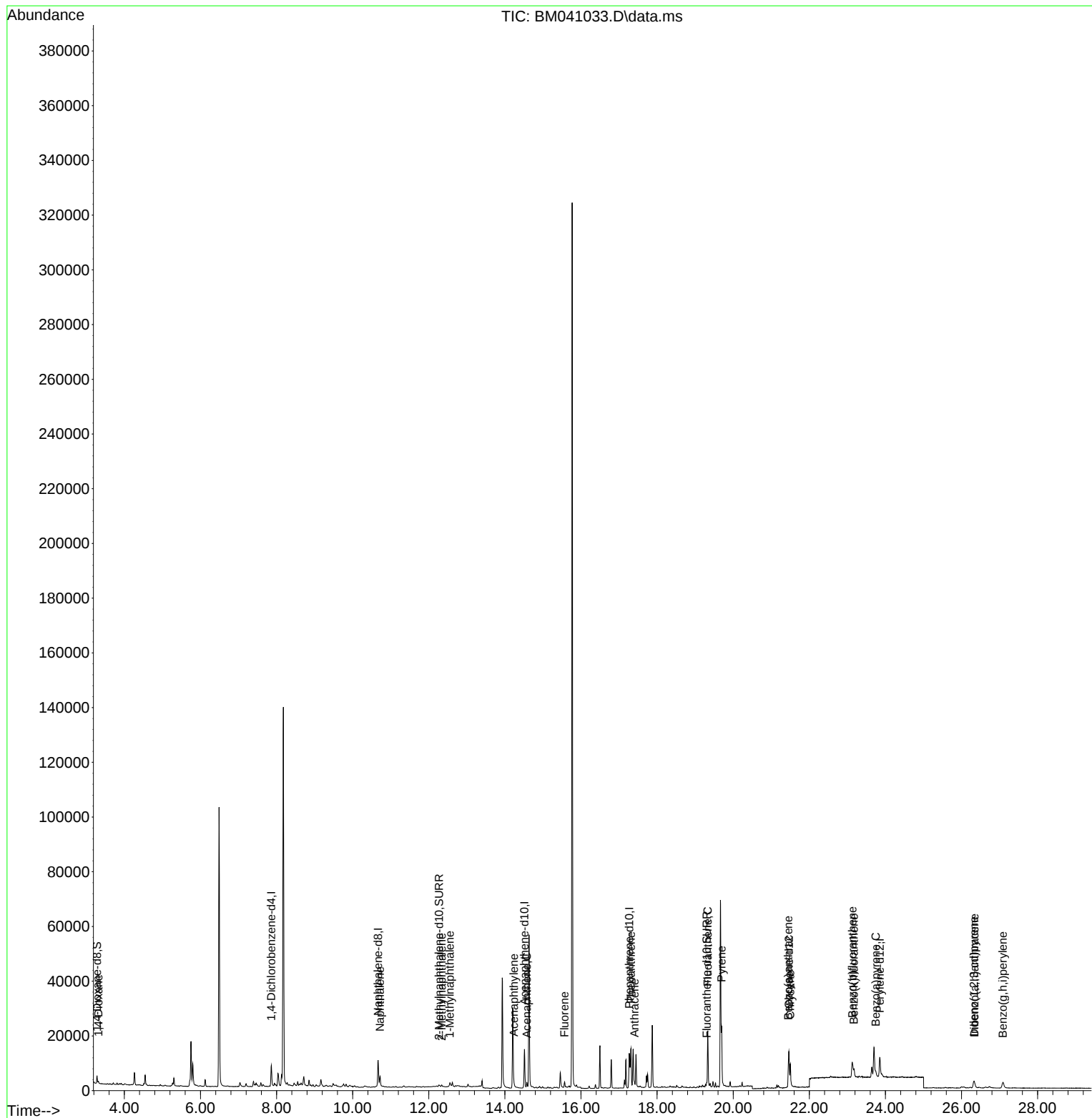
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041033.D
Acq On : 22 Jul 2023 01:02
Operator : MA/JU
Sample : 03444-19DL 5X
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ALS Vial : 22 Sample Multiplier: 1

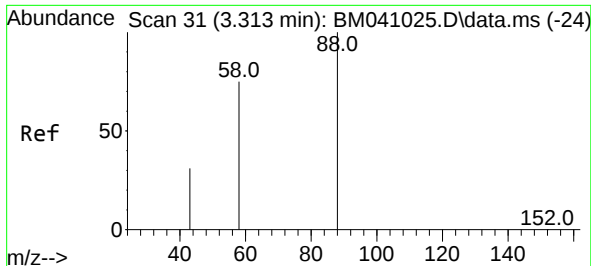
Instrument :
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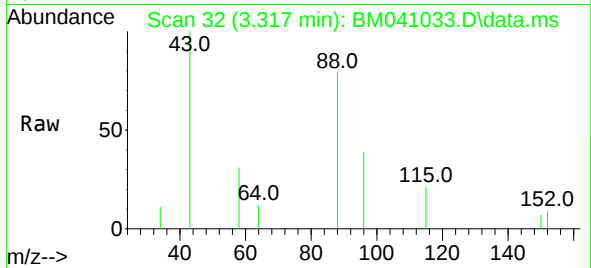
Quant Time: Jul 22 02:37:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 21 18:20:46 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.042 ng/ul
RT: 3.317 min Scan# 31
Delta R.T. 0.004 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

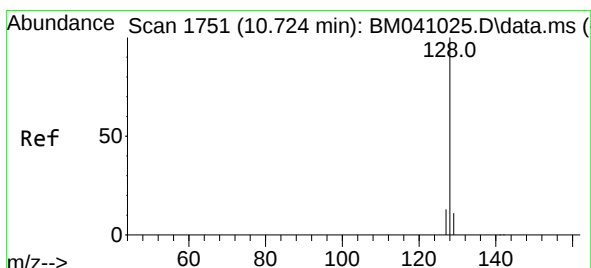
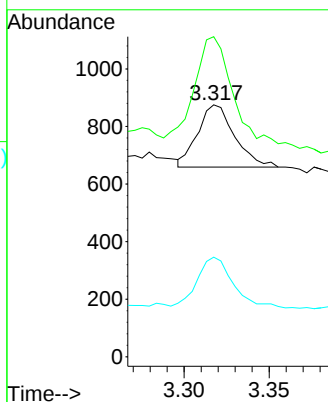
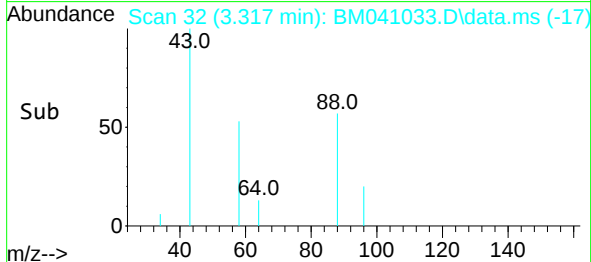
Instrument :
BNA_M
ClientSampleId :
A46Y0DL



Tgt Ion: 88 Resp: 320
Ion Ratio Lower Upper
88 100
43 127.1 46.7 70.1
58 39.5 40.3 60.5

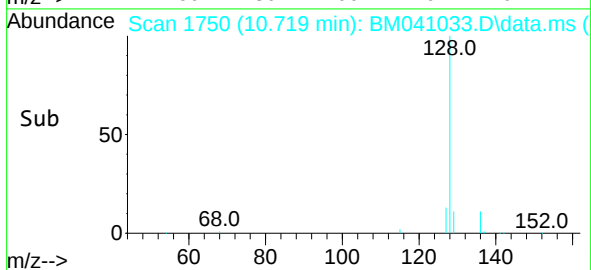
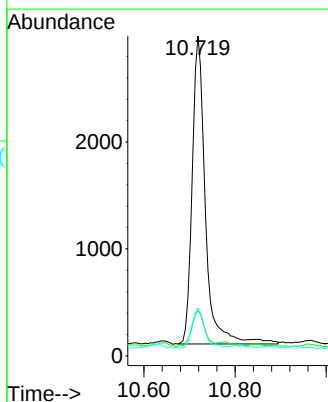
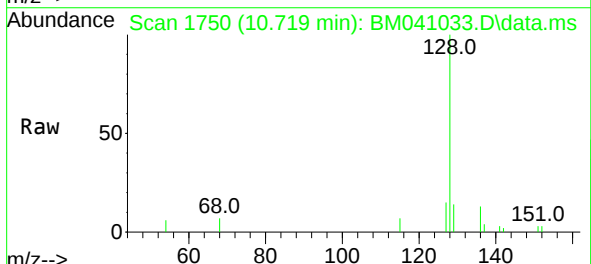
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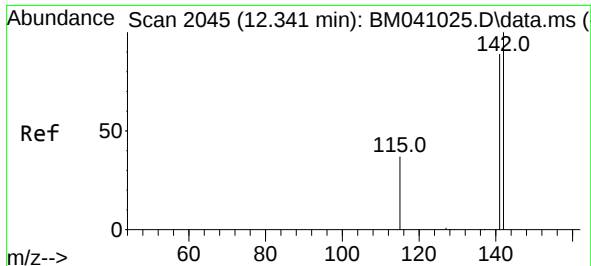
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#5
Naphthalene
Concen: 0.139 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

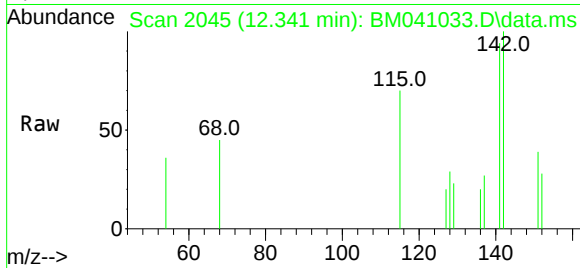
Tgt Ion:128 Resp: 5799
Ion Ratio Lower Upper
128 100
129 14.0 9.8 14.8
127 14.8 11.0 16.4





#7
2-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.341 min Scan# 2045
Delta R.T. -0.000 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

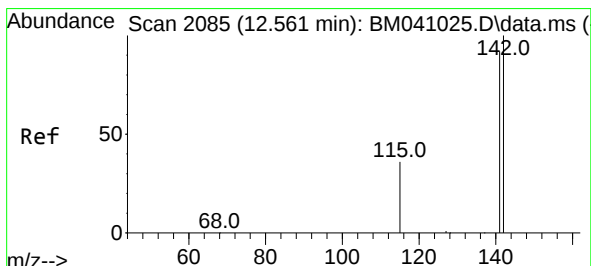
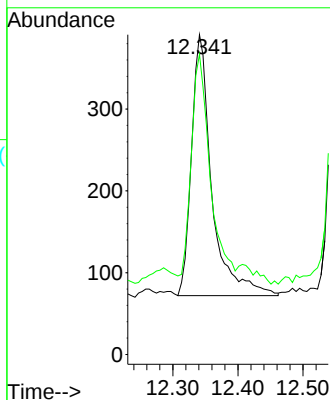
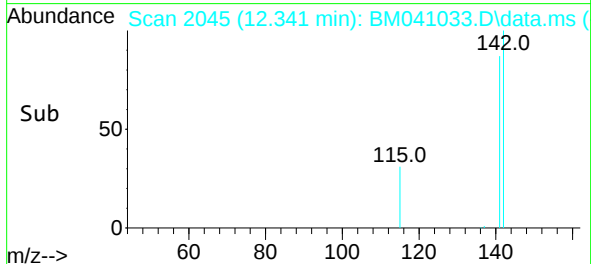
Instrument :
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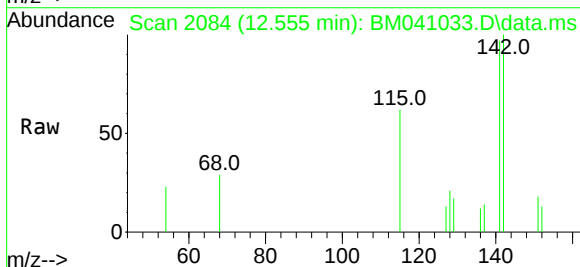
Tgt Ion:142 Resp: 692
Ion Ratio Lower Upper
142 100
141 89.6 73.2 109.8

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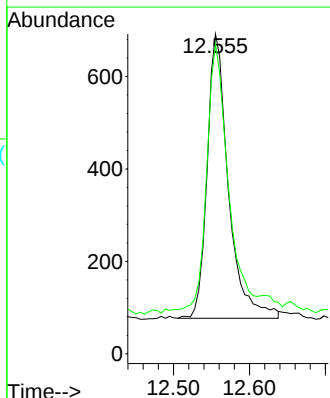
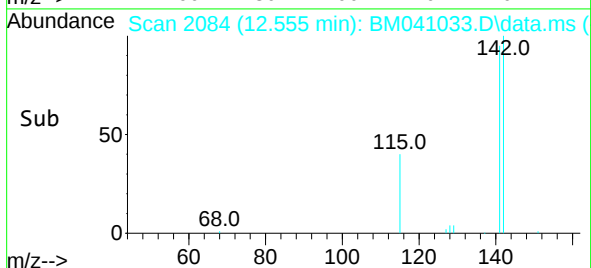
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

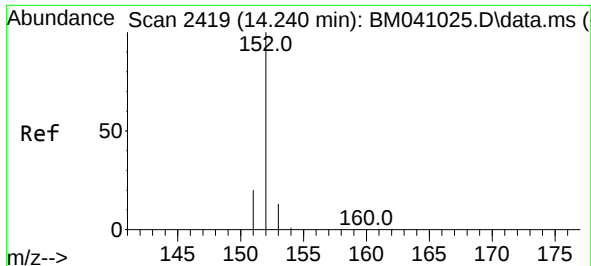


#8
1-Methylnaphthalene
Concen: 0.049 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. -0.006 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02



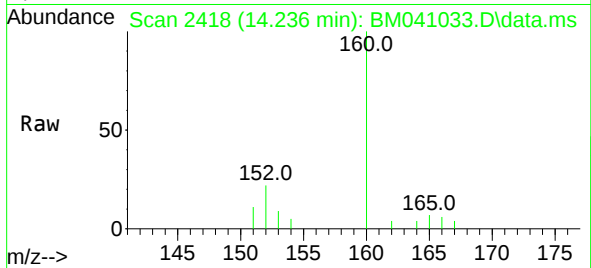
Tgt Ion:142 Resp: 1196
Ion Ratio Lower Upper
142 100
141 101.8 73.4 110.2





#10
Acenaphthylene
Concen: 0.021 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.005 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

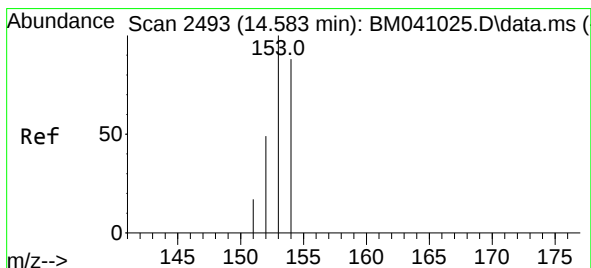
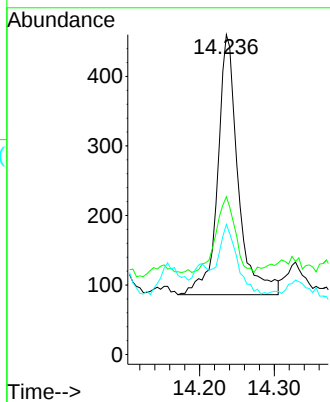
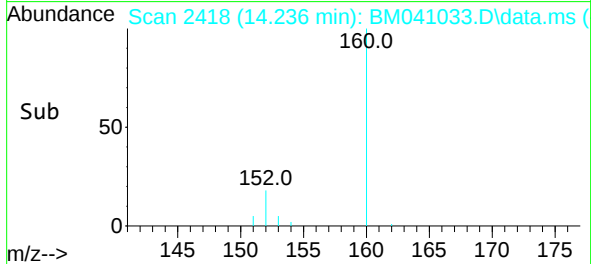
Instrument :
BNA_M
ClientSampleId :
A46Y0DL



Tgt Ion:152 Resp: 709
Ion Ratio Lower Upper
152 100
151 49.3 16.8 25.2
153 40.7 11.6 17.4

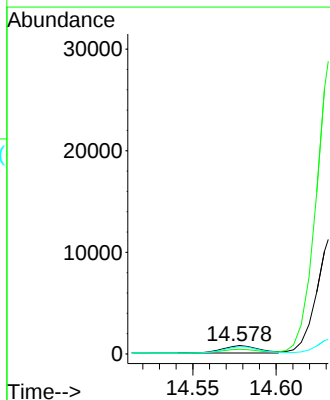
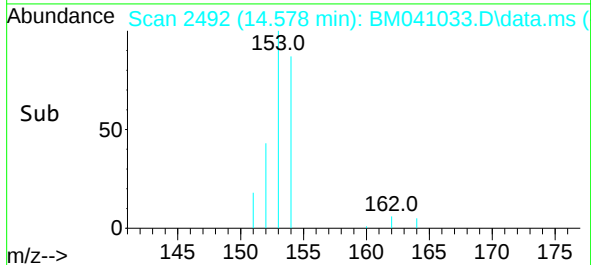
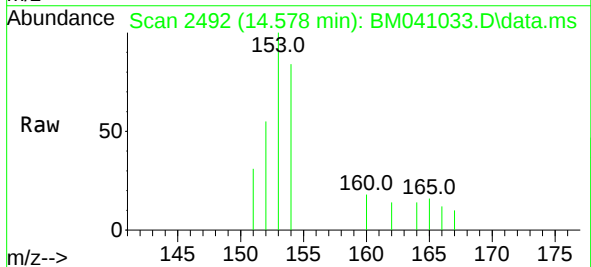
Manual Integrations
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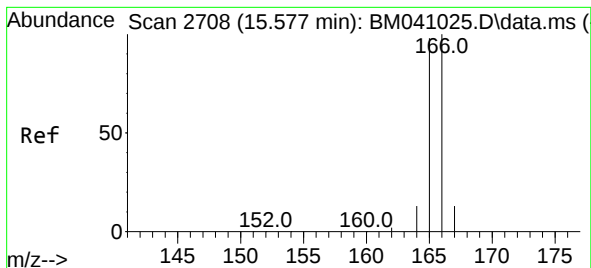
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#11
Acenaphthene
Concen: 0.037 ng/ul
RT: 14.578 min Scan# 2492
Delta R.T. -0.005 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

Tgt Ion:153 Resp: 1109
Ion Ratio Lower Upper
153 100
152 55.2 41.0 61.6
154 84.1 68.2 102.2





#12

Fluorene

Concen: 0.047 ng/ul

RT: 15.568 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041033.D

Acq: 22 Jul 2023 01:02

Instrument :

BNA_M

ClientSampleId :

A46Y0DL

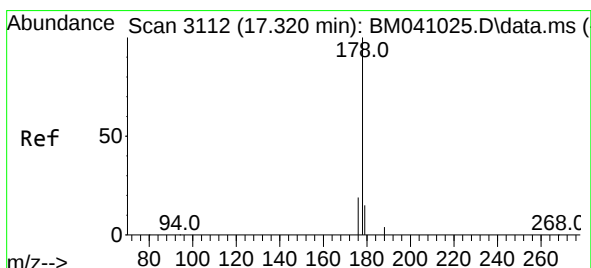
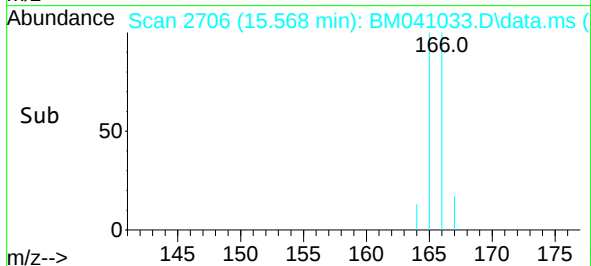
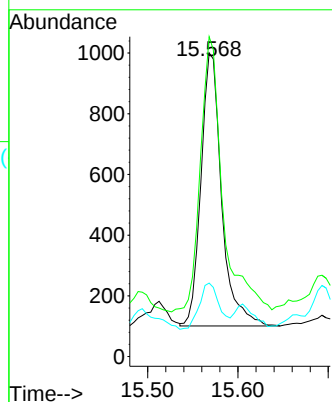
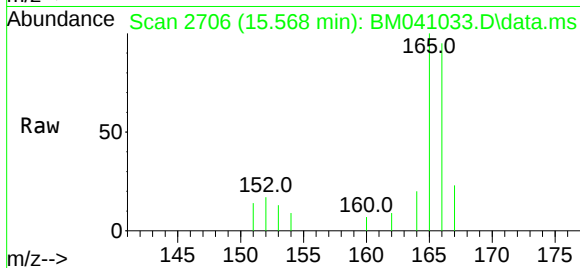
Tgt Ion:166	Resp:	143
Ion Ratio	Lower	Upper
166	100	
165	105.3	80.3 120.5
167	24.2	11.7 17.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/22/2023

Supervised By :mohammad ahmed 07/22/2023



#15

Phenanthrene

Concen: 0.247 ng/ul

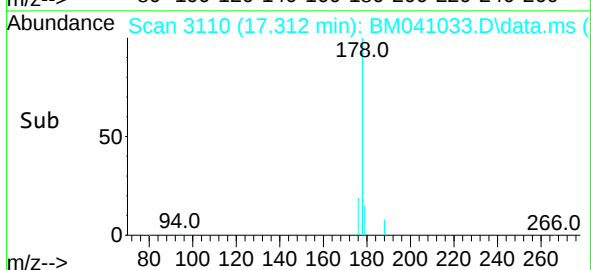
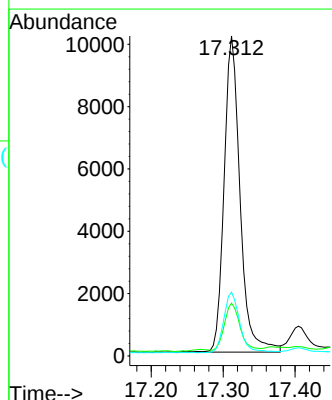
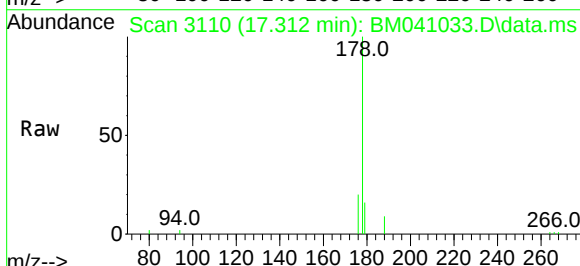
RT: 17.312 min Scan# 3110

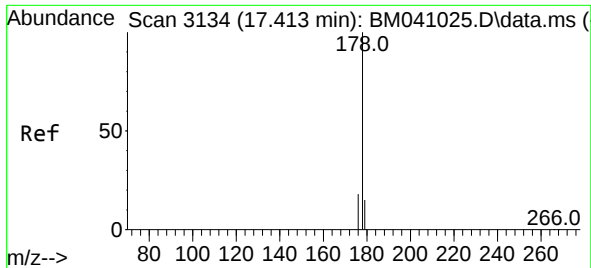
Delta R.T. -0.004 min

Lab File: BM041033.D

Acq: 22 Jul 2023 01:02

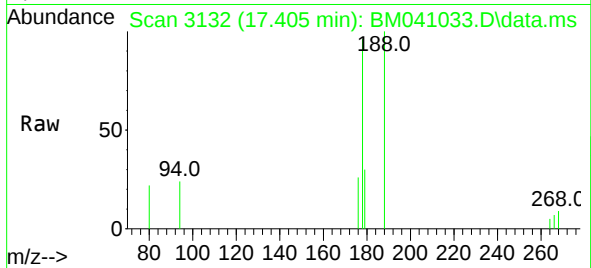
Tgt Ion:178	Resp:	15629
Ion Ratio	Lower	Upper
178	100	
179	16.5	13.0 19.6
176	20.0	16.2 24.4





#16
 Anthracene
 Concen: 0.020 ng/u1
 RT: 17.405 min Scan# 3132
 Delta R.T. -0.009 min
 Lab File: BM041033.D
 Acq: 22 Jul 2023 01:02

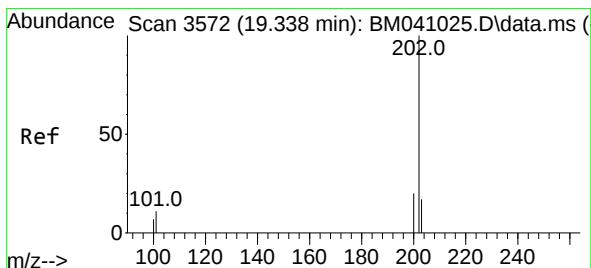
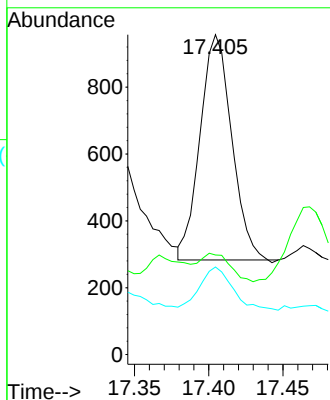
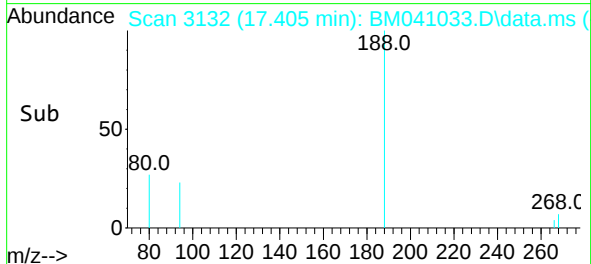
Instrument :
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 A46Y0DL



Tgt Ion:178 Resp: 999
 Ion Ratio Lower Upper
 178 100
 179 31.1 13.7 20.5
 176 27.4 16.4 24.6

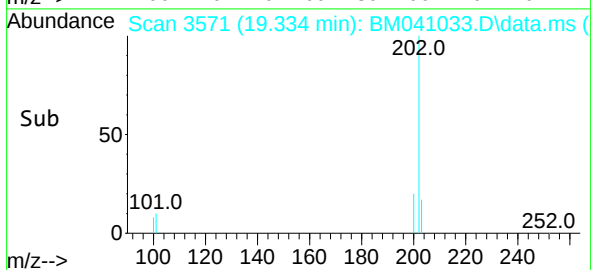
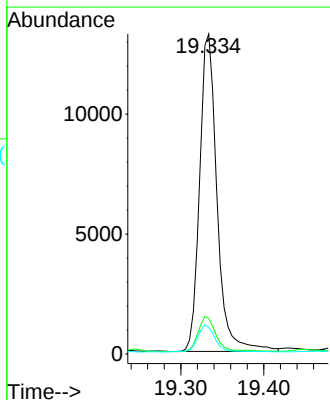
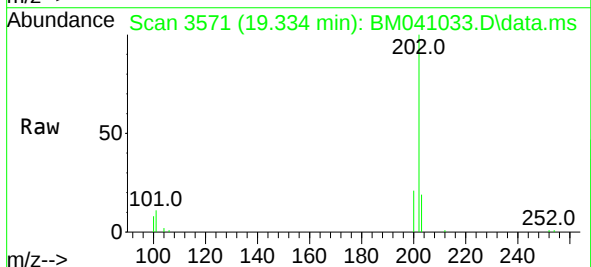
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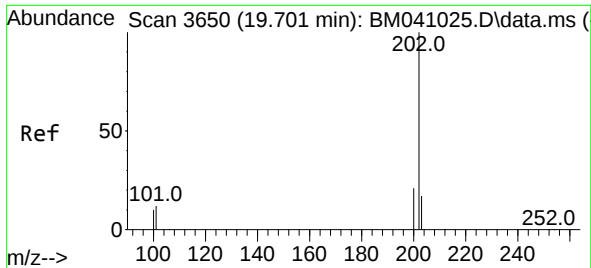
Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023



#19
 Fluoranthene
 Concen: 0.331 ng/u1
 RT: 19.334 min Scan# 3571
 Delta R.T. -0.005 min
 Lab File: BM041033.D
 Acq: 22 Jul 2023 01:02

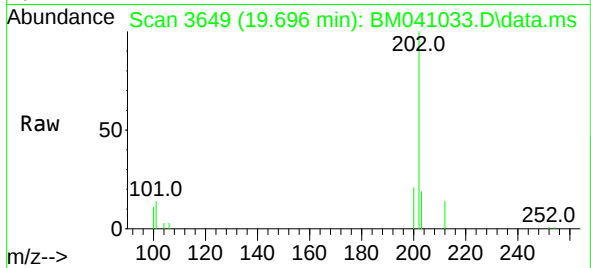
Tgt Ion:202 Resp: 19356
 Ion Ratio Lower Upper
 202 100
 101 11.1 11.0 16.4
 100 8.3 8.3 12.5





#20
Pyrene
Concen: 0.314 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

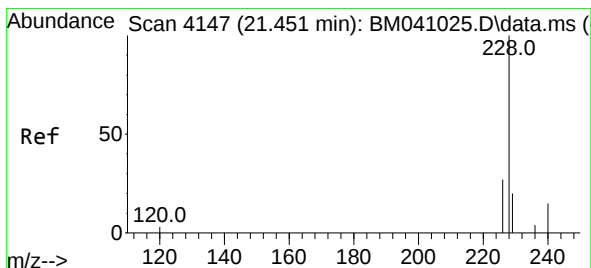
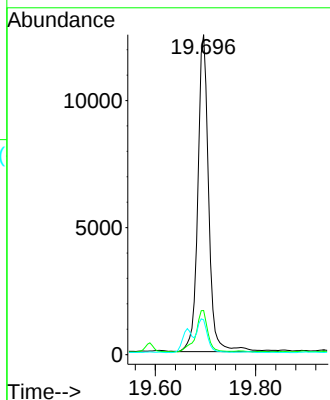
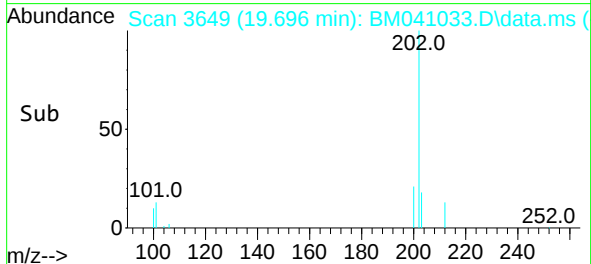
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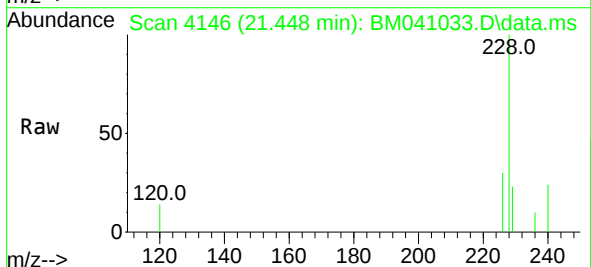
Tgt Ion:202 Resp: 18760
Ion Ratio Lower Upper
202 100
101 13.8 12.5 18.7
100 10.9 10.0 15.0

Manual Integrations
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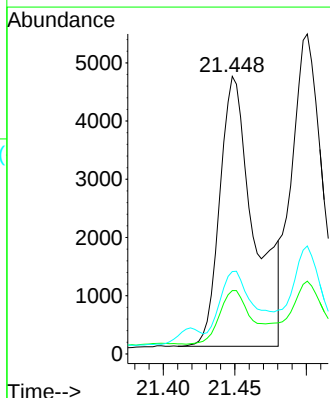
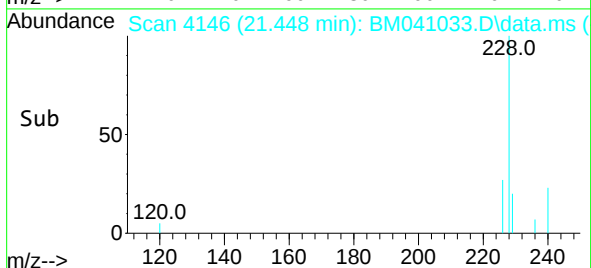
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

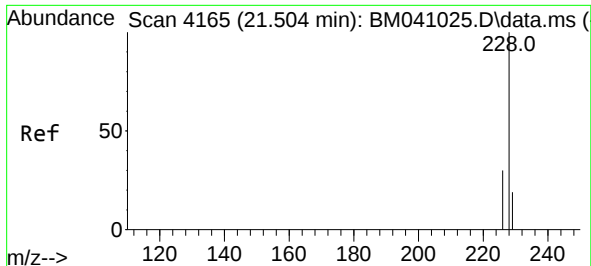


#21
Benzo(a)anthracene
Concen: 0.222 ng/ul
RT: 21.448 min Scan# 4146
Delta R.T. -0.003 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02



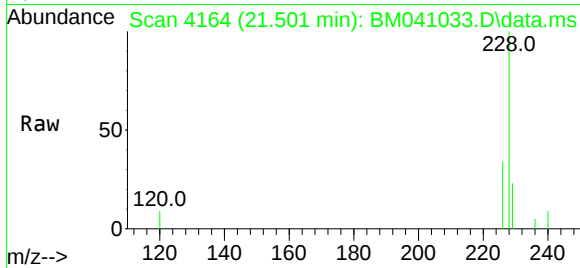
Tgt Ion:228 Resp: 7682
Ion Ratio Lower Upper
228 100
229 22.8 16.2 24.4
226 29.7 22.3 33.5





#22
Chrysene
Concen: 0.208 ng/u1
RT: 21.501 min Scan# 4165
Delta R.T. -0.003 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

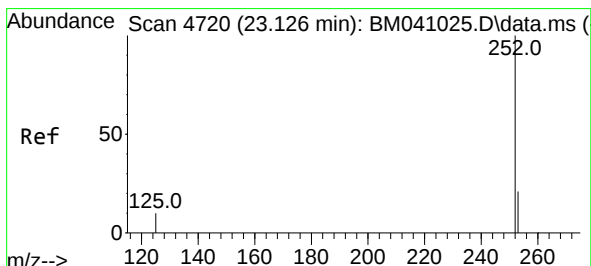
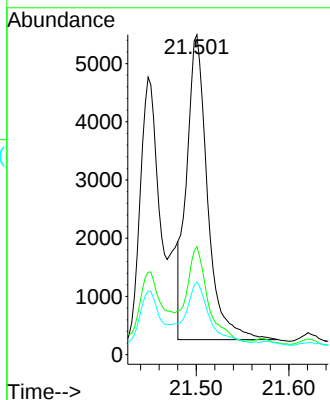
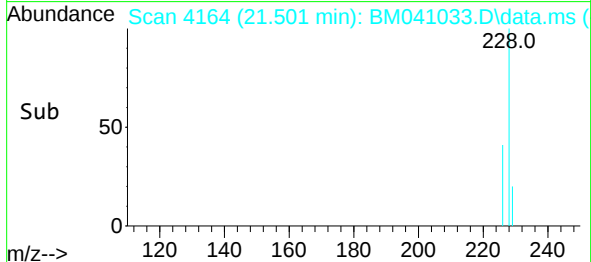
Instrument :
BNA_M
ClientSampleId :
A46Y0DL



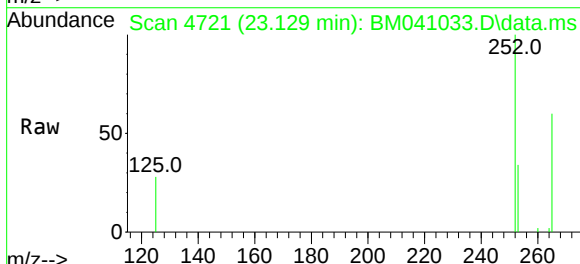
Tgt Ion:228 Resp: 8198
Ion Ratio Lower Upper
228 100
226 33.8 24.6 37.0
229 22.7 16.1 24.1

Manual Integrations
APPROVED

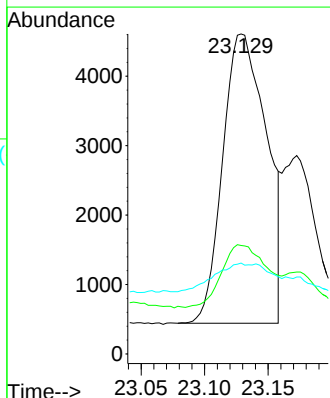
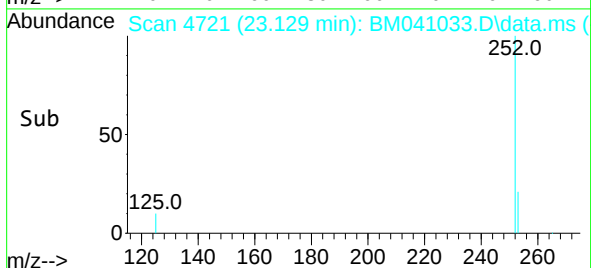
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

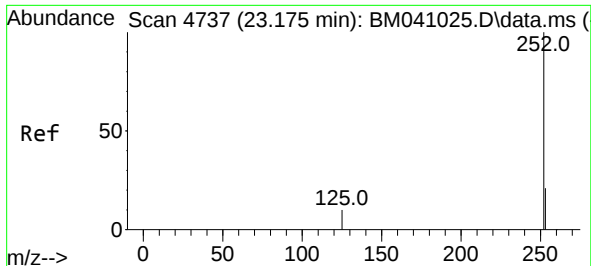


#24
Benzo(b)fluoranthene
Concen: 0.246 ng/u1
RT: 23.129 min Scan# 4721
Delta R.T. -0.000 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02



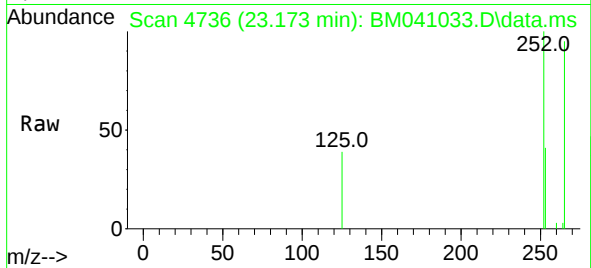
Tgt Ion:252 Resp: 9975
Ion Ratio Lower Upper
252 100
253 33.9 0.0 57.4
125 28.4 0.0 45.2





#25
Benzo(k)fluoranthene
Concen: 0.125 ng/ul m
RT: 23.173 min Scan# 4737
Delta R.T. -0.006 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

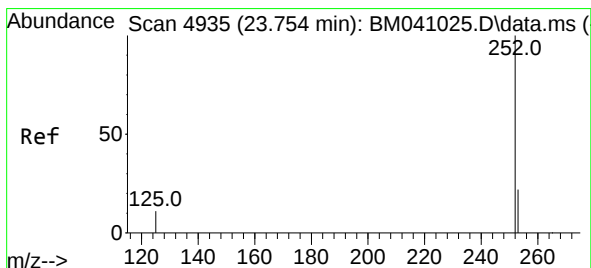
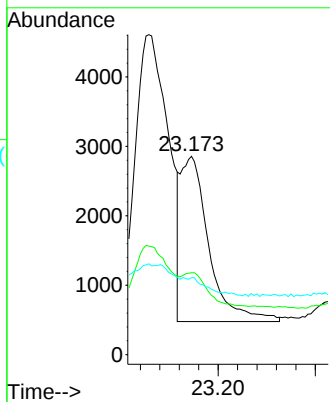
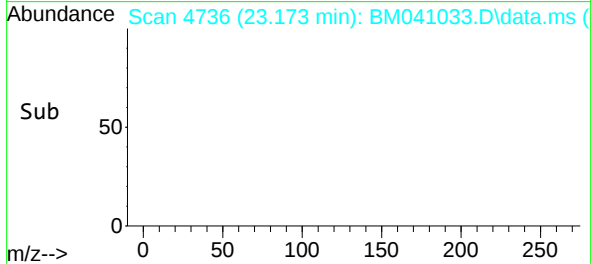
Instrument :
BNA_M
ClientSampleId :
A46Y0DL



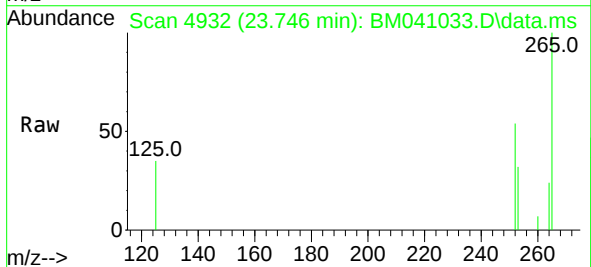
Tgt Ion:252 Resp: 4808
Ion Ratio Lower Upper
252 100
253 41.3 23.3 34.9#
125 38.8 18.2 27.2#

Manual Integrations
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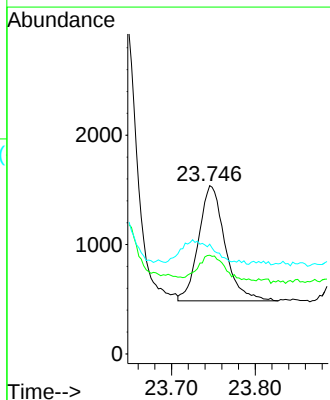
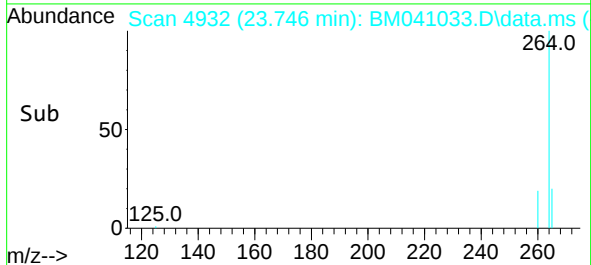
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

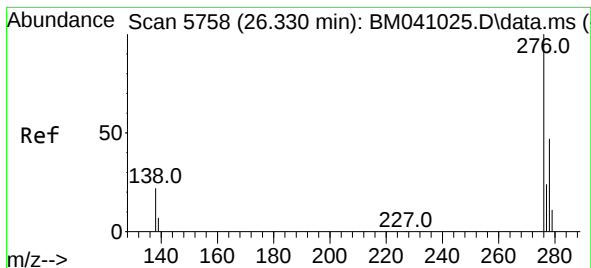


#26
Benzo(a)pyrene
Concen: 0.066 ng/ul
RT: 23.746 min Scan# 4932
Delta R.T. -0.012 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02



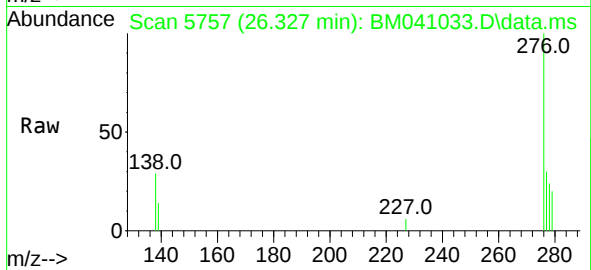
Tgt Ion:252 Resp: 2304
Ion Ratio Lower Upper
252 100
253 58.7 28.2 42.2#
125 65.2 25.2 37.8#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.113 ng/ul
RT: 26.327 min Scan# 5758
Delta R.T. -0.010 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02

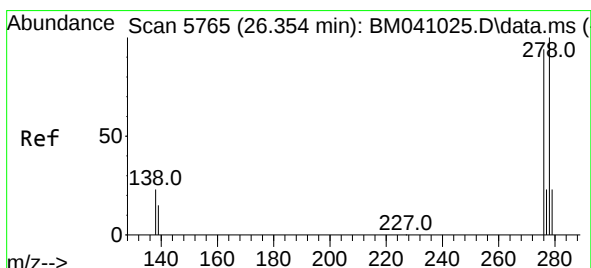
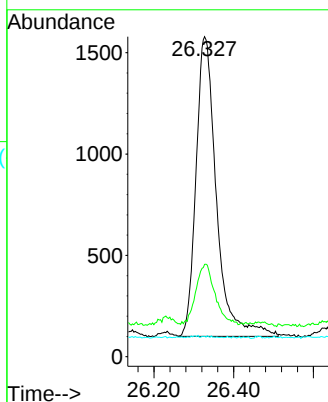
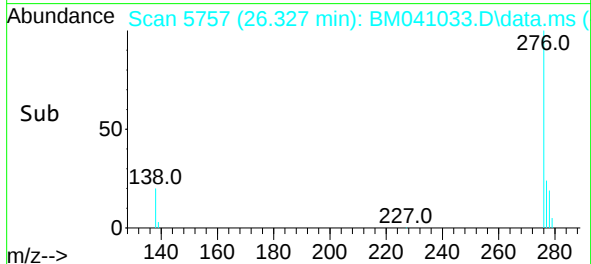
Instrument :
BNA_M
ClientSampleId :
A46Y0DL



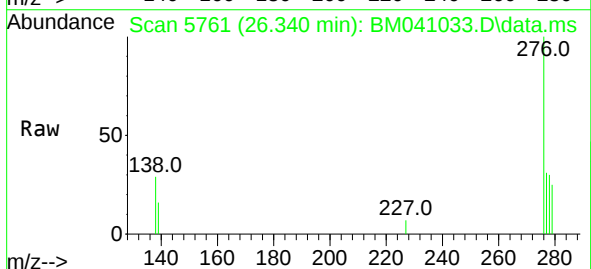
Tgt Ion:276 Resp: 524
Ion Ratio Lower Upper
276 100
138 18.7 22.3 33.5#
227 0.1 0.0 0.0#

Manual Integrations
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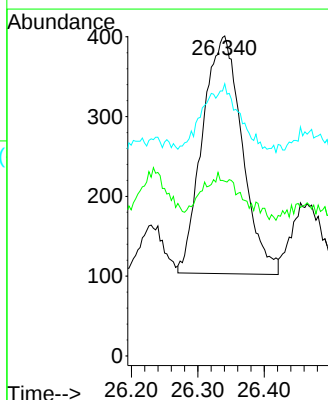
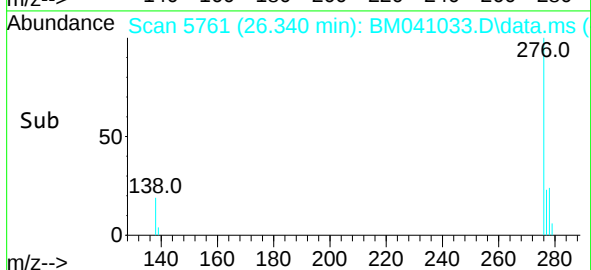
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

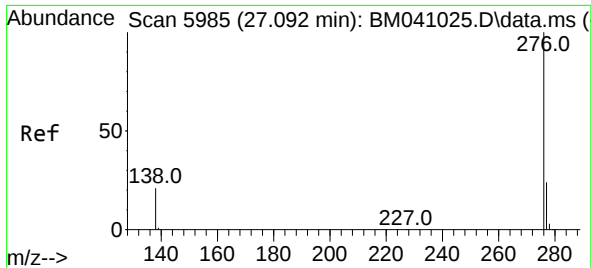


#28
Dibenzo(a,h)anthracene
Concen: 0.035 ng/ul
RT: 26.340 min Scan# 5761
Delta R.T. -0.014 min
Lab File: BM041033.D
Acq: 22 Jul 2023 01:02



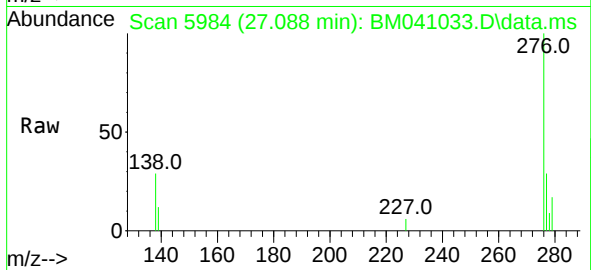
Tgt Ion:278 Resp: 1241
Ion Ratio Lower Upper
278 100
139 54.6 19.2 28.8#
279 85.0 27.0 40.6#





#29
 Benzo(g,h,i)perylene
 Concen: 0.122 ng/ul
 RT: 27.088 min Scan# 5984
 Delta R.T. -0.004 min
 Lab File: BM041033.D
 Acq: 22 Jul 2023 01:02

Instrument :
 BNA_M
 ClientSampleId :
 A46Y0DL



Tgt Ion:	276	Resp:	5228
Ion Ratio	Lower	Upper	
276	100		
138	29.0	22.6	34.0
277	29.5	21.2	31.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

