

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
 Data File : BM040417.D
 Acq On : 27 Jun 2023 00:44
 Operator : MA/JU
 Sample : 03084-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFN6DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 27 04:28:35 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 : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	8700	0.400	ng/ul	0.00
4) Naphthalene-d8	10.755	136	30302	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.585	164	13701	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.331	188	23258	0.400	ng/ul	0.00
17) Chrysene-d12	21.510	240	12713	0.400	ng/ul	0.00
23) Perylene-d12	23.925	264	13493	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	4879	0.357	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.344	152	1179	0.028	ng/ul	0.00
18) Fluoranthene-d10	19.360	212	1286	0.032	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.804	128	3978	0.048	ng/ul#	89
7) 2-Methylnaphthalene	12.415	142	1824	0.037	ng/ul	98
8) 1-Methylnaphthalene	12.635	142	1239	0.025	ng/ul	99
10) Acenaphthylene	14.307	152	8454	0.138	ng/ul	96
11) Acenaphthene	14.650	153	1141	0.022	ng/ul#	93
12) Fluorene	15.635	166	1106	0.020	ng/ul#	88
15) Phenanthrene	17.373	178	30361	0.420	ng/ul	100
16) Anthracene	17.466	178	7679	0.126	ng/ul#	93
19) Fluoranthene	19.387	202	101814	1.885	ng/ul	95
20) Pyrene	19.750	202	81172	1.402	ng/ul	98
21) Benzo(a)anthracene	21.493	228	33362	0.776	ng/ul	97
22) Chrysene	21.548	228	44143	0.900	ng/ul	98
24) Benzo(b)fluoranthene	23.188	252	63653	1.219	ng/ul	95
25) Benzo(k)fluoranthene	23.232	252	21095m	0.410	ng/ul	
26) Benzo(a)pyrene	23.817	252	35613	0.757	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.429	276	32405	0.495	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.439	278	7966	0.155	ng/ul#	80
29) Benzo(g,h,i)perylene	27.204	276	32998	0.575	ng/ul	98

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

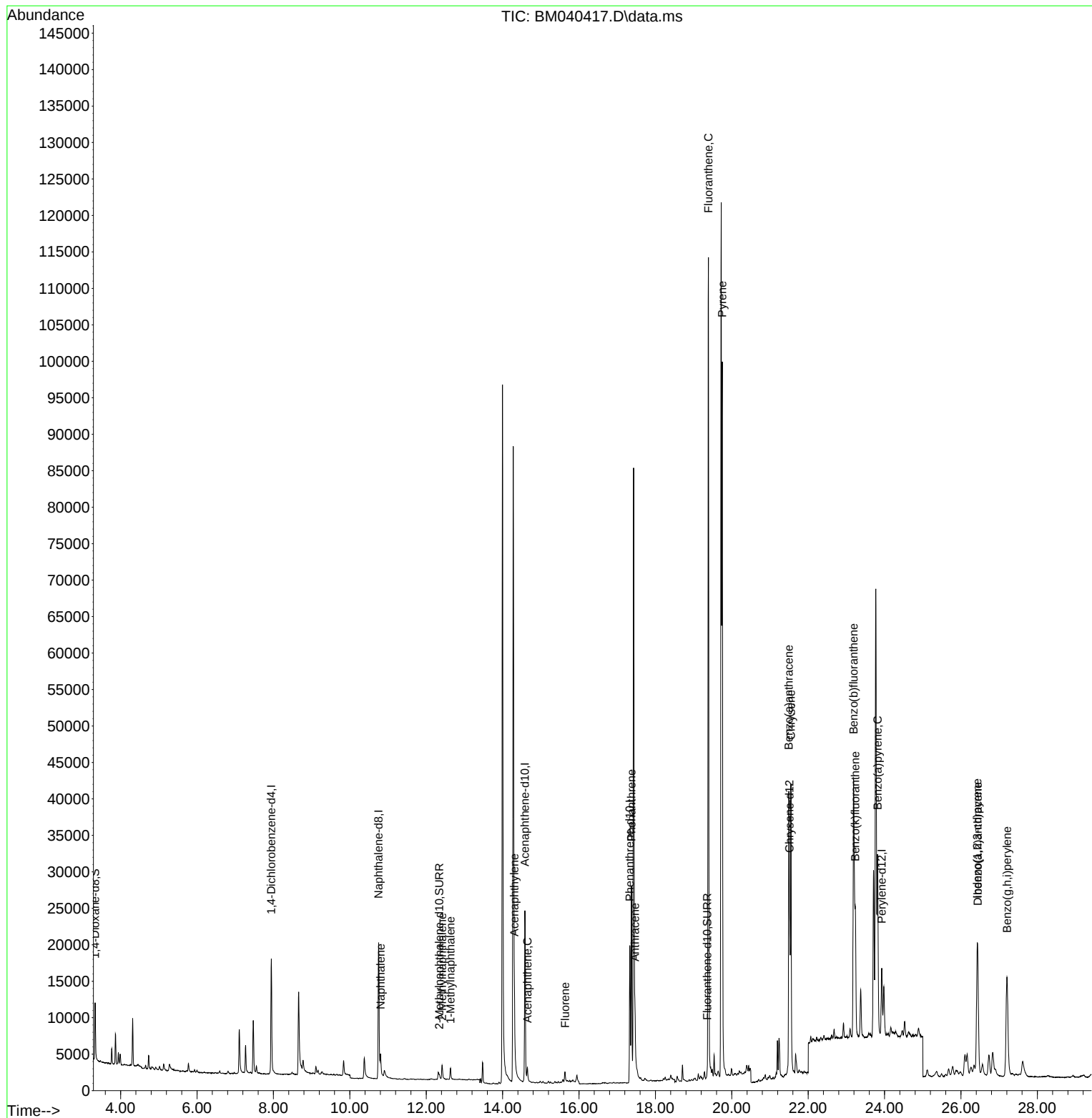
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062623\
Data File : BM040417.D
Acq On : 27 Jun 2023 00:44
Operator : MA/JU
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ALS Vial : 21 Sample Multiplier: 1

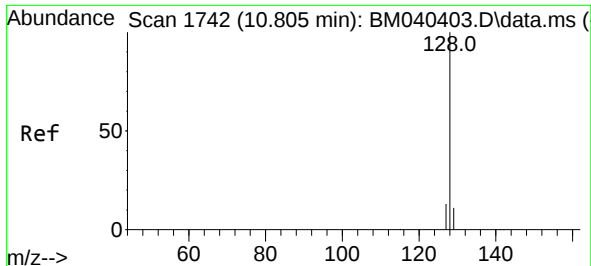
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Supervised By :mohammad ahmed 06/27/2023

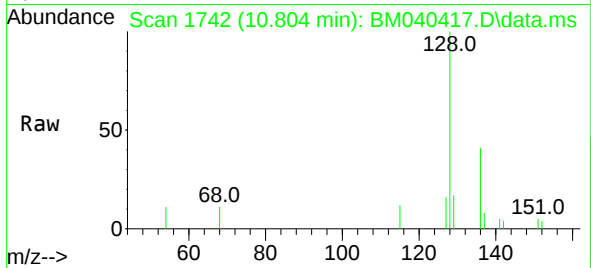
Quant Time: Jun 27 04:28:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
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#5
Naphthalene
Concen: 0.048 ng/ul
RT: 10.804 min Scan# 1742
Delta R.T. -0.007 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

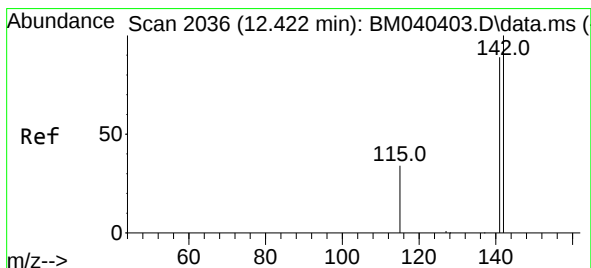
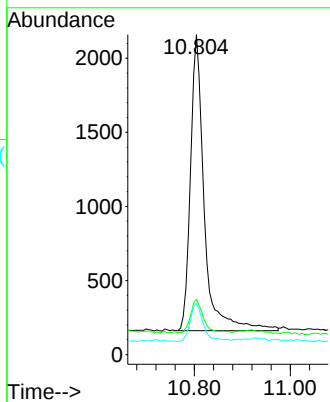
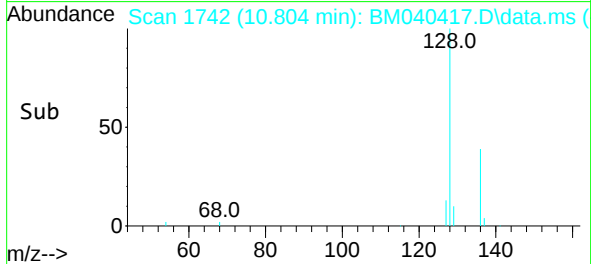
Instrument :
BNA_M
ClientSampleId :
DCFN6DL



Tgt Ion:128 Resp: 3978
Ion Ratio Lower Upper
128 100
129 17.2 9.2 13.8
127 16.0 10.6 15.8

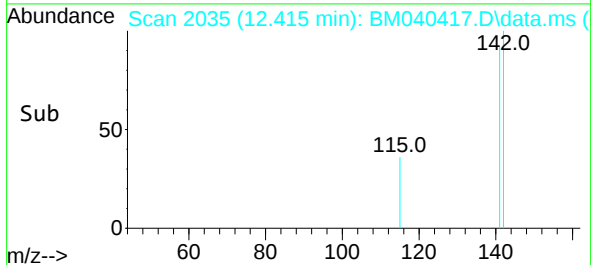
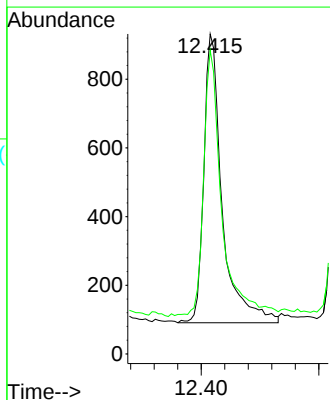
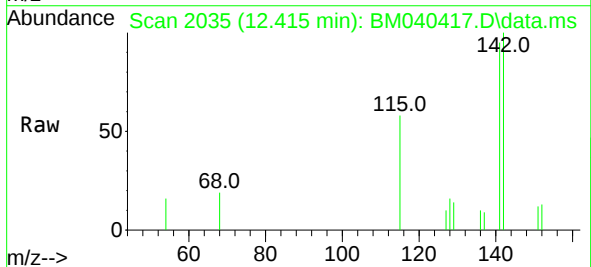
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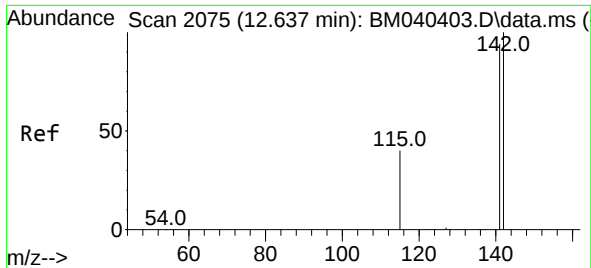
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#7
2-Methylnaphthalene
Concen: 0.037 ng/ul
RT: 12.415 min Scan# 2035
Delta R.T. -0.007 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

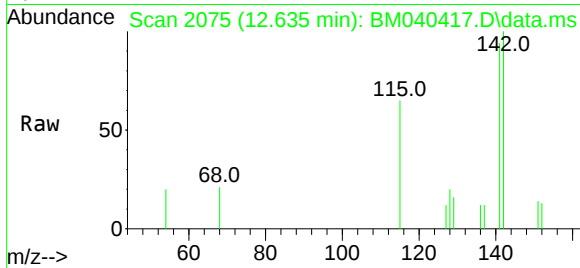
Tgt Ion:142 Resp: 1824
Ion Ratio Lower Upper
142 100
141 91.4 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.025 ng/ul
RT: 12.635 min Scan# 2075
Delta R.T. -0.007 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

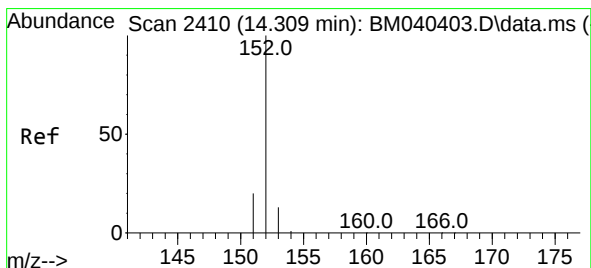
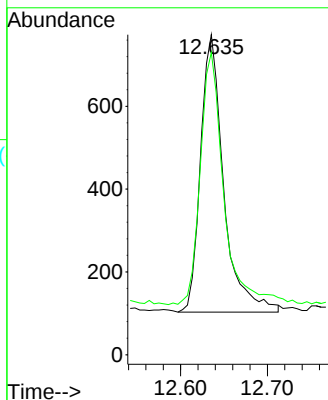
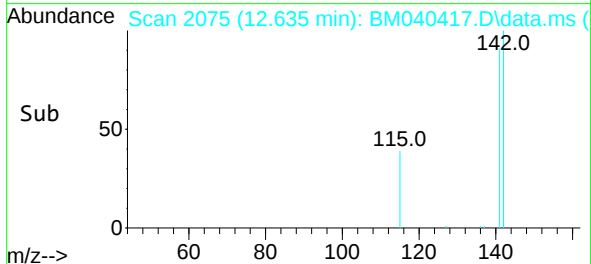
Instrument :
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Tgt Ion:142 Resp: 1239
Ion Ratio Lower Upper
142 100
141 91.4 73.7 110.5

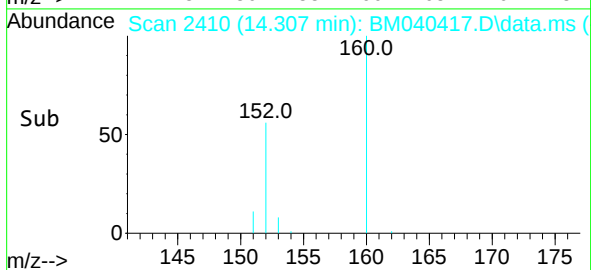
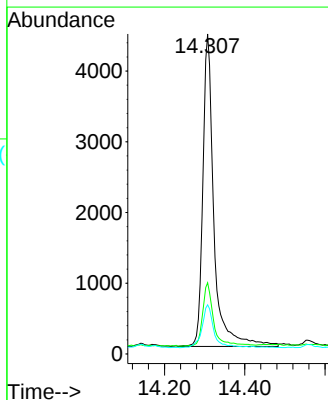
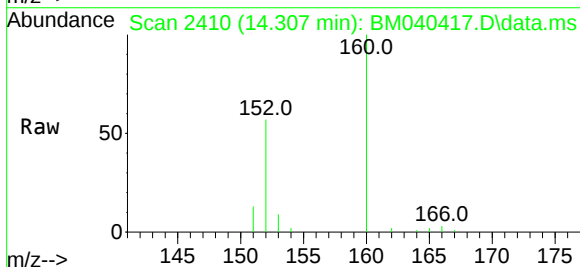
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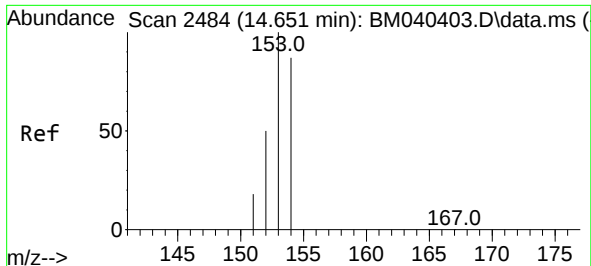
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#10
Acenaphthylene
Concen: 0.138 ng/ul
RT: 14.307 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

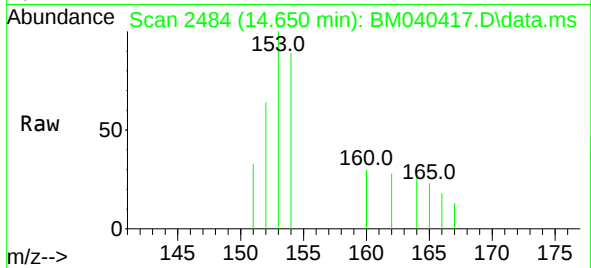
Tgt Ion:152 Resp: 8454
Ion Ratio Lower Upper
152 100
151 22.2 16.2 24.2
153 15.3 10.9 16.3





#11
Acenaphthene
Concen: 0.022 ng/u1
RT: 14.650 min Scan# 2484
Delta R.T. -0.006 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

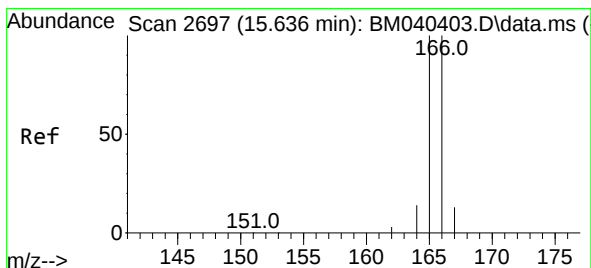
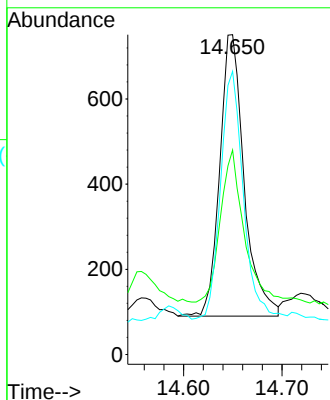
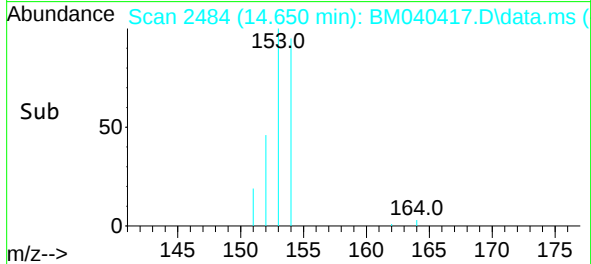
Instrument :
BNA_M
ClientSampleId :
DCFN6DL



Tgt Ion:153 Resp: 114
Ion Ratio Lower Upper
153 100
152 63.9 41.0 61.4
154 88.5 70.8 106.2

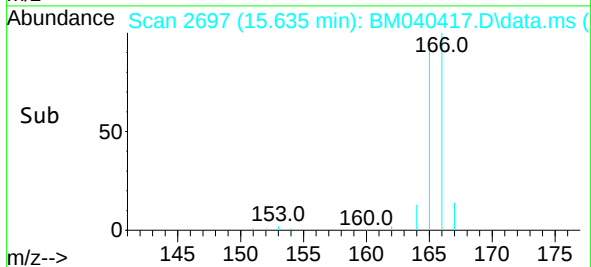
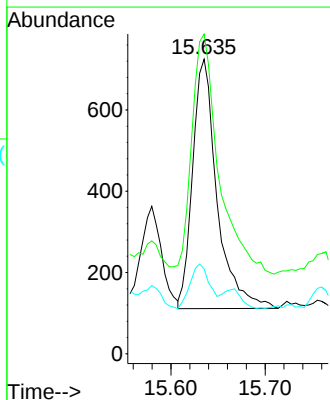
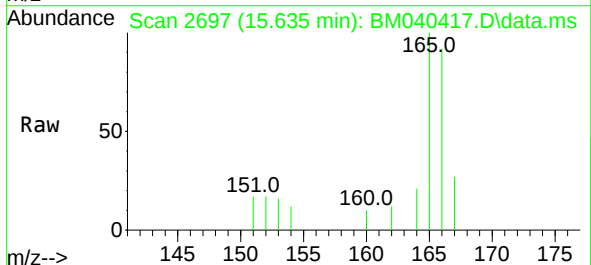
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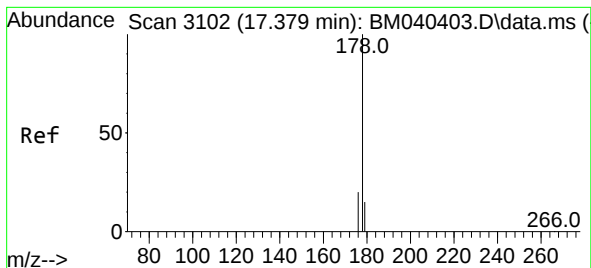
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#12
Fluorene
Concen: 0.020 ng/u1
RT: 15.635 min Scan# 2697
Delta R.T. -0.006 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

Tgt Ion:166 Resp: 1106
Ion Ratio Lower Upper
166 100
165 108.6 79.6 119.4
167 28.8 11.4 17.0#





#15

Phenanthrene

Concen: 0.420 ng/u1

RT: 17.373 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BM040417.D

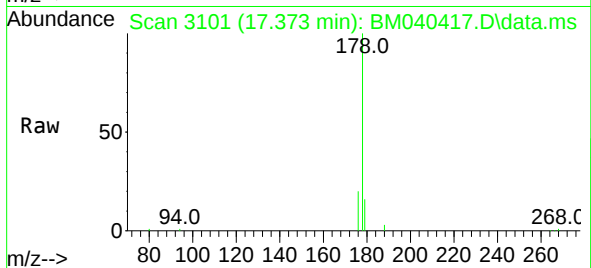
Acq: 27 Jun 2023 00:44

Instrument :

BNA_M

ClientSampleId :

DCFN6DL



Tgt Ion:178 Resp: 3036

Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

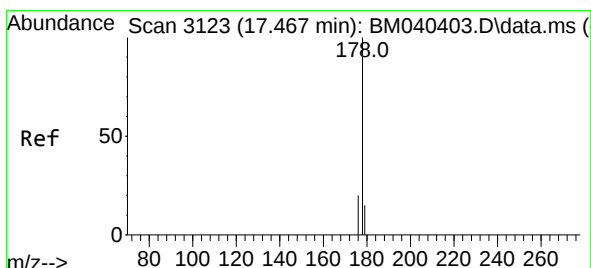
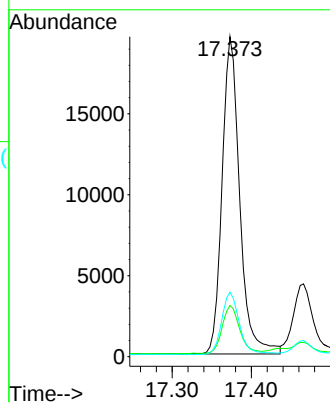
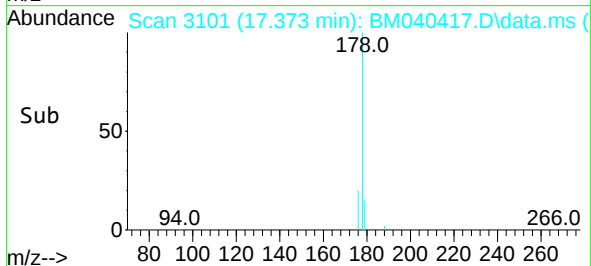
176 20.2 16.4 24.6

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#16

Anthracene

Concen: 0.126 ng/u1

RT: 17.466 min Scan# 3123

Delta R.T. -0.006 min

Lab File: BM040417.D

Acq: 27 Jun 2023 00:44

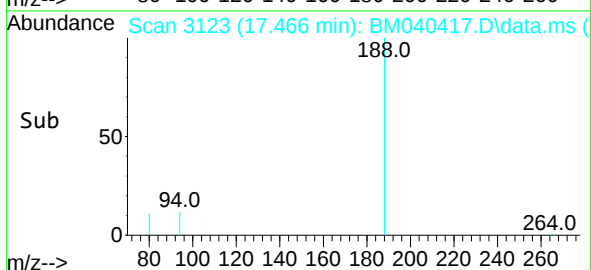
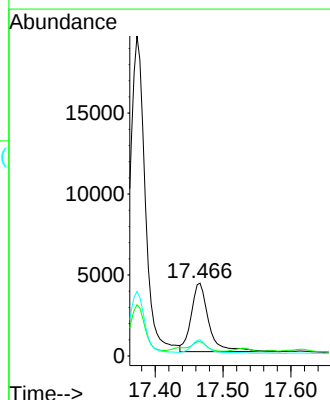
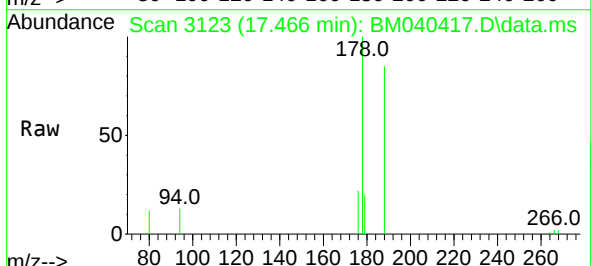
Tgt Ion:178 Resp: 7679

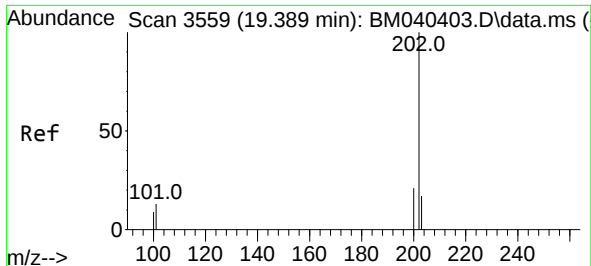
Ion Ratio Lower Upper

178 100

179 19.6 12.9 19.3#

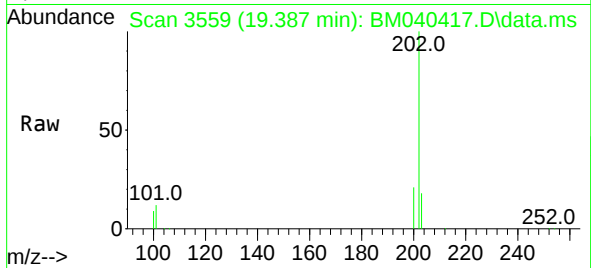
176 22.2 15.8 23.6





#19
Fluoranthene
Concen: 1.885 ng/ul
RT: 19.387 min Scan# 3559
Delta R.T. -0.001 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

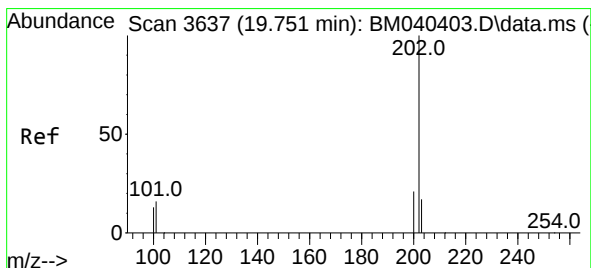
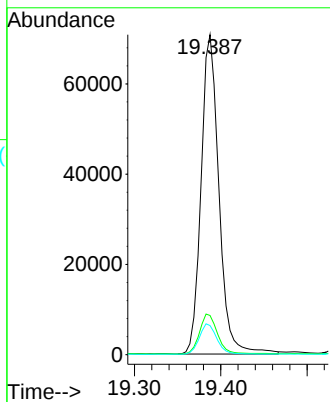
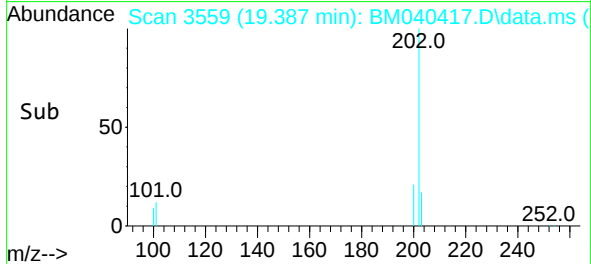
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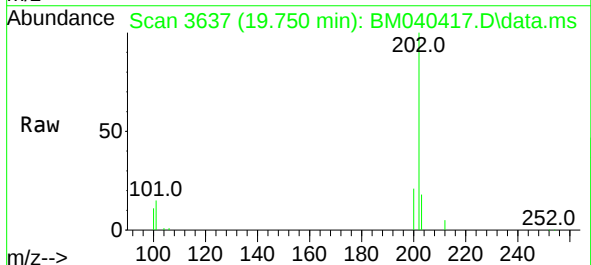
Tgt Ion:202 Resp: 101814
Ion Ratio Lower Upper
202 100
101 12.3 11.4 17.0
100 9.1 8.7 13.1

Manual Integrations
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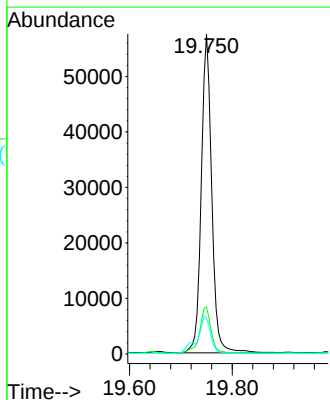
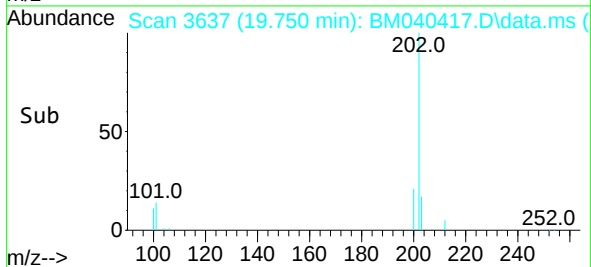
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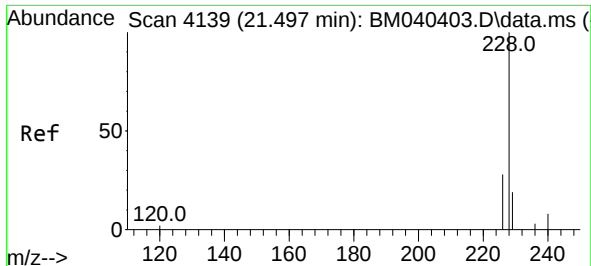


#20
Pyrene
Concen: 1.402 ng/ul
RT: 19.750 min Scan# 3637
Delta R.T. -0.006 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44



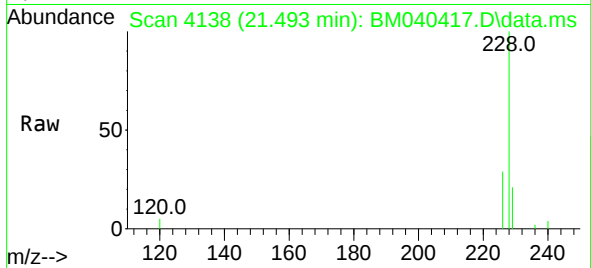
Tgt Ion:202 Resp: 81172
Ion Ratio Lower Upper
202 100
101 14.7 12.6 18.8
100 11.4 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.776 ng/ul
RT: 21.493 min Scan# 4138
Delta R.T. -0.007 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

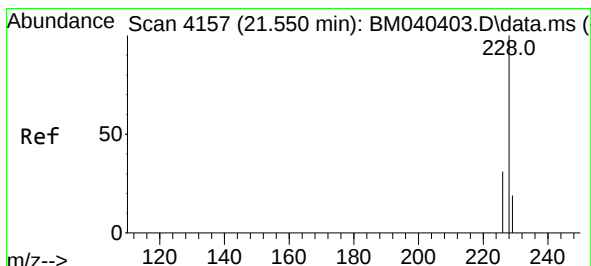
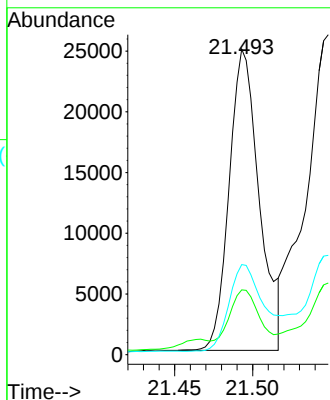
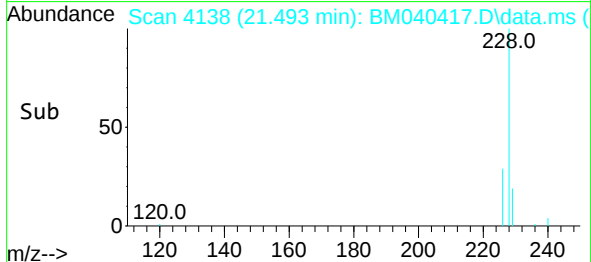
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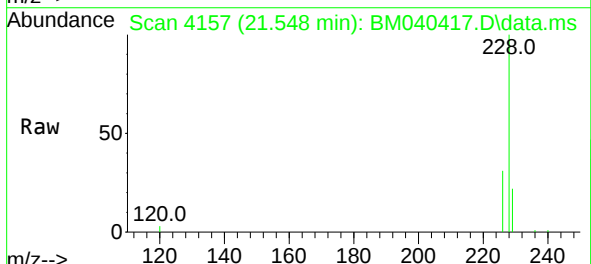
Tgt Ion:228 Resp: 3336
Ion Ratio Lower Upper
228 100
229 21.2 16.0 24.0
226 29.5 22.3 33.5

Manual Integrations
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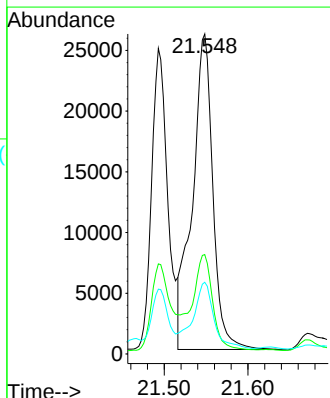
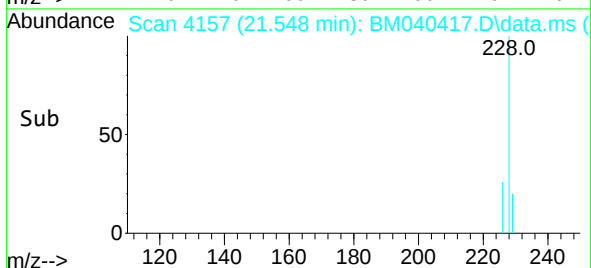
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

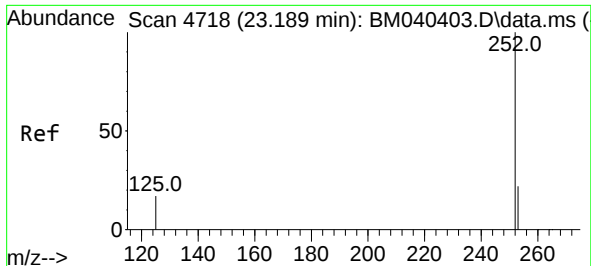


#22
Chrysene
Concen: 0.900 ng/ul
RT: 21.548 min Scan# 4157
Delta R.T. -0.004 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44



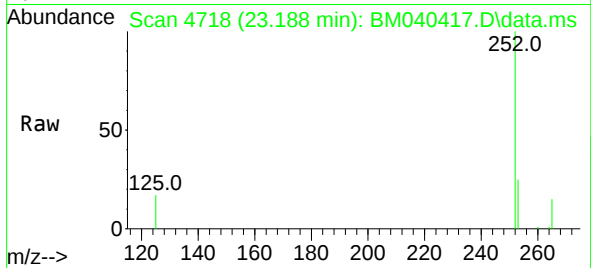
Tgt Ion:228 Resp: 44143
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 22.4 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.219 ng/ul
RT: 23.188 min Scan# 4718
Delta R.T. -0.004 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

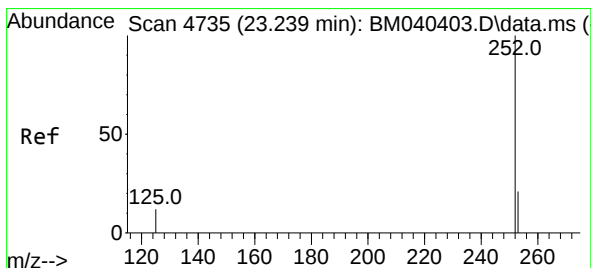
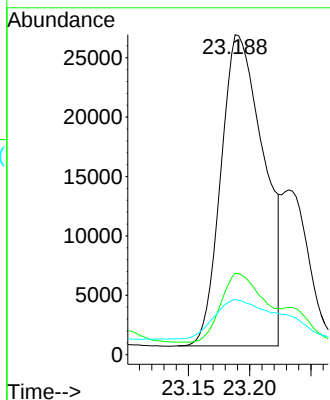
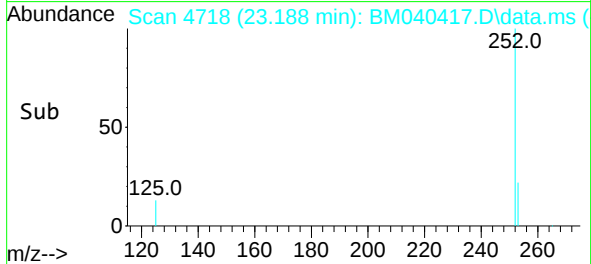
Instrument :
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DCFN6DL



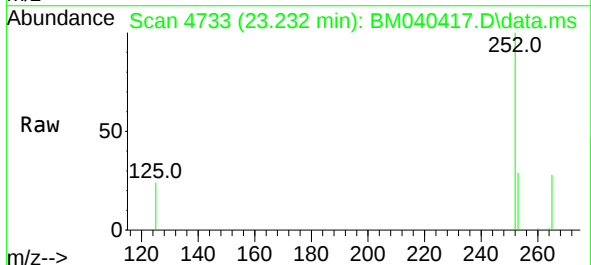
Tgt Ion:252 Resp: 6365
Ion Ratio Lower Upper
252 100
253 25.5 0.0 52.8
125 17.3 0.0 43.0

Manual Integrations
APPROVED

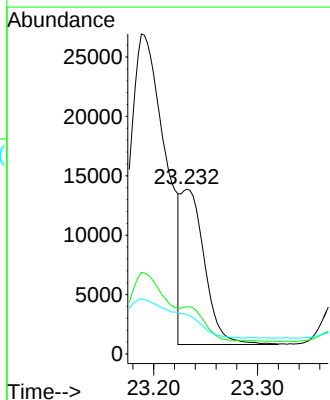
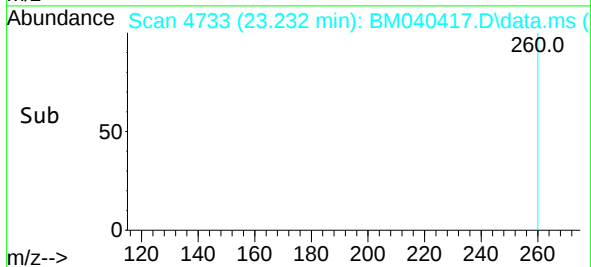
Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023

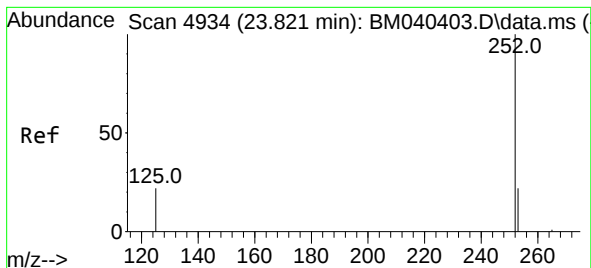


#25
Benzo(k)fluoranthene
Concen: 0.410 ng/ul m
RT: 23.232 min Scan# 4733
Delta R.T. -0.010 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44



Tgt Ion:252 Resp: 21095
Ion Ratio Lower Upper
252 100
253 28.6 21.2 31.8
125 23.8 16.4 24.6





#26

Benzo(a)pyrene

Concen: 0.757 ng/ul

RT: 23.817 min Scan# 4934

Delta R.T. -0.007 min

Lab File: BM040417.D

Acq: 27 Jun 2023 00:44

Instrument :

BNA_M

ClientSampleId :

DCFN6DL

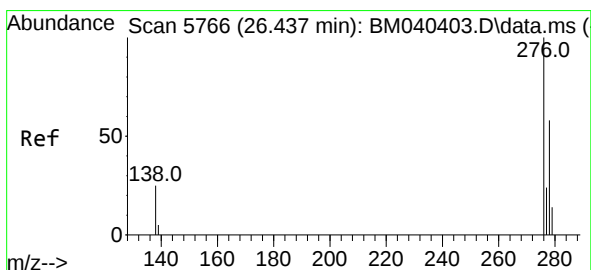
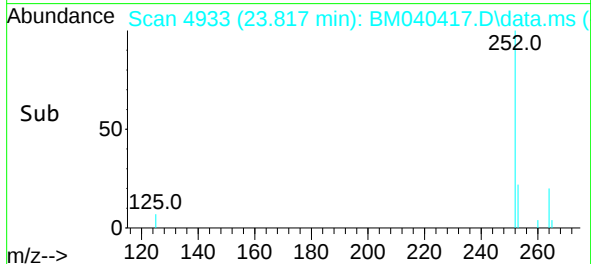
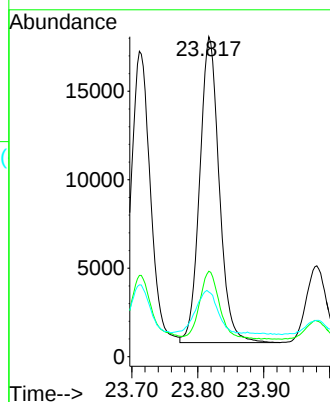
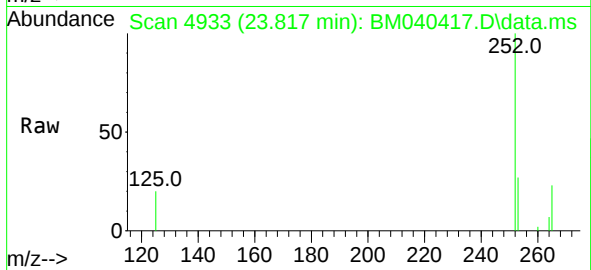
Tgt Ion:	252	Resp:	3561
Ion Ratio	Lower	Upper	
252	100		
253	26.7	22.9	34.3
125	20.2	21.0	31.4

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.495 ng/ul

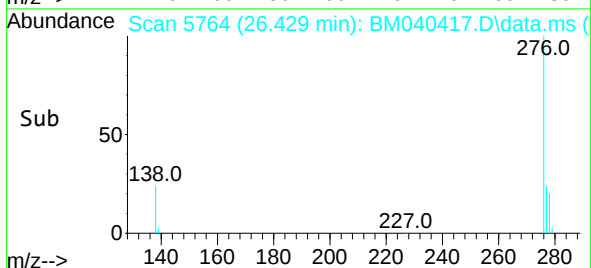
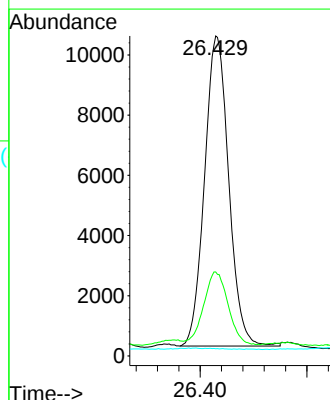
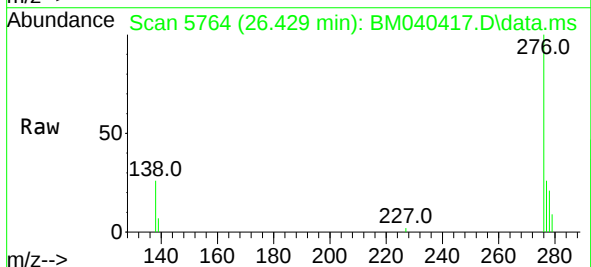
RT: 26.429 min Scan# 5764

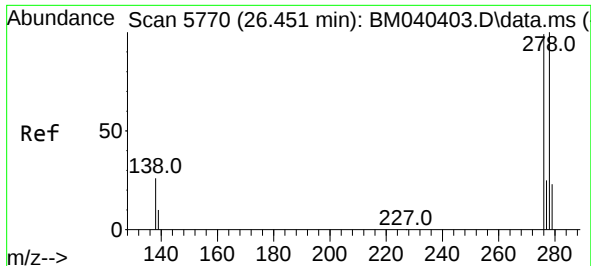
Delta R.T. -0.005 min

Lab File: BM040417.D

Acq: 27 Jun 2023 00:44

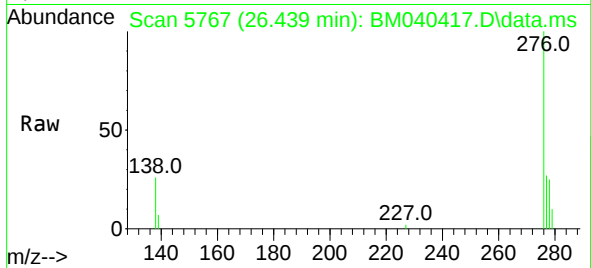
Tgt Ion:	276	Resp:	32405
Ion Ratio	Lower	Upper	
276	100		
138	24.2	24.5	36.7#
227	0.0	0.1	0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.155 ng/ul
RT: 26.439 min Scan# 51
Delta R.T. -0.015 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44

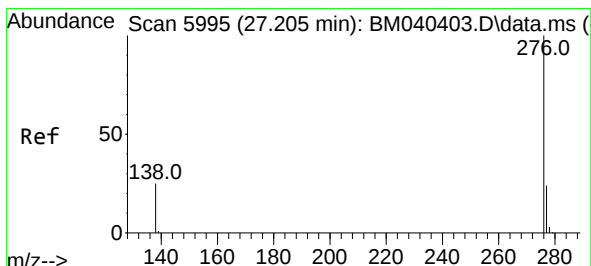
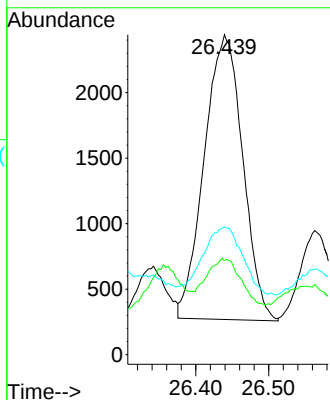
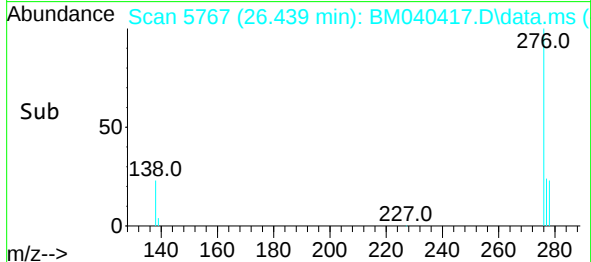
Instrument :
BNA_M
ClientSampleId :
DCFN6DL



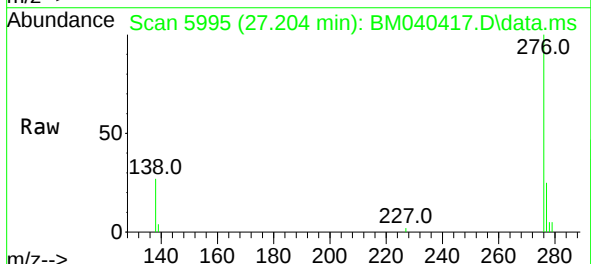
Tgt Ion:278 Resp: 7960
Ion Ratio Lower Upper
278 100
139 29.4 17.9 26.9
279 39.9 22.0 33.0

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Reviewed By :Yogesh Patel 06/27/2023
Supervised By :mohammad ahmed 06/27/2023



#29
Benzo(g,h,i)perylene
Concen: 0.575 ng/ul
RT: 27.204 min Scan# 5995
Delta R.T. -0.001 min
Lab File: BM040417.D
Acq: 27 Jun 2023 00:44



Tgt Ion:276 Resp: 32998
Ion Ratio Lower Upper
276 100
138 27.4 23.0 34.6
277 25.5 20.3 30.5

