

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062323\
 Data File : BM040381.D
 Acq On : 23 Jun 2023 18:34
 Operator : MA/JU
 Sample : 03084-11DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM8DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 24 01:38:06 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	7.949	152	8209	0.400	ng/ul	0.00
4) Naphthalene-d8	10.761	136	29557	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.591	164	14616	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	28695	0.400	ng/ul	0.00
17) Chrysene-d12	21.515	240	20323	0.400	ng/ul	0.00
23) Perylene-d12	23.929	264	16342	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.333	96	6828	0.530	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	1623	0.039	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	3317	0.051	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.811	128	3012	0.037	ng/ul#	86
7) 2-Methylnaphthalene	12.422	142	1619	0.034	ng/ul	99
8) 1-Methylnaphthalene	12.637	142	1512	0.032	ng/ul	100
10) Acenaphthylene	14.309	152	6594	0.101	ng/ul	95
11) Acenaphthene	14.651	153	2096	0.038	ng/ul	97
12) Fluorene	15.636	166	2239	0.038	ng/ul#	96
15) Phenanthrene	17.374	178	47151	0.529	ng/ul	99
16) Anthracene	17.467	178	10643	0.142	ng/ul	96
19) Fluoranthene	19.389	202	127181	1.473	ng/ul	96
20) Pyrene	19.751	202	107381	1.160	ng/ul	98
21) Benzo(a)anthracene	21.497	228	62135	0.904	ng/ul	98
22) Chrysene	21.550	228	68110	0.869	ng/ul	98
24) Benzo(b)fluoranthene	23.192	252	91877	1.453	ng/ul	93
25) Benzo(k)fluoranthene	23.233	252	32532m	0.522	ng/ul	
26) Benzo(a)pyrene	23.821	252	51924	0.911	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.427	276	36718	0.463	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.440	278	9335	0.150	ng/ul#	88
29) Benzo(g,h,i)perylene	27.202	276	33716	0.485	ng/ul	98

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

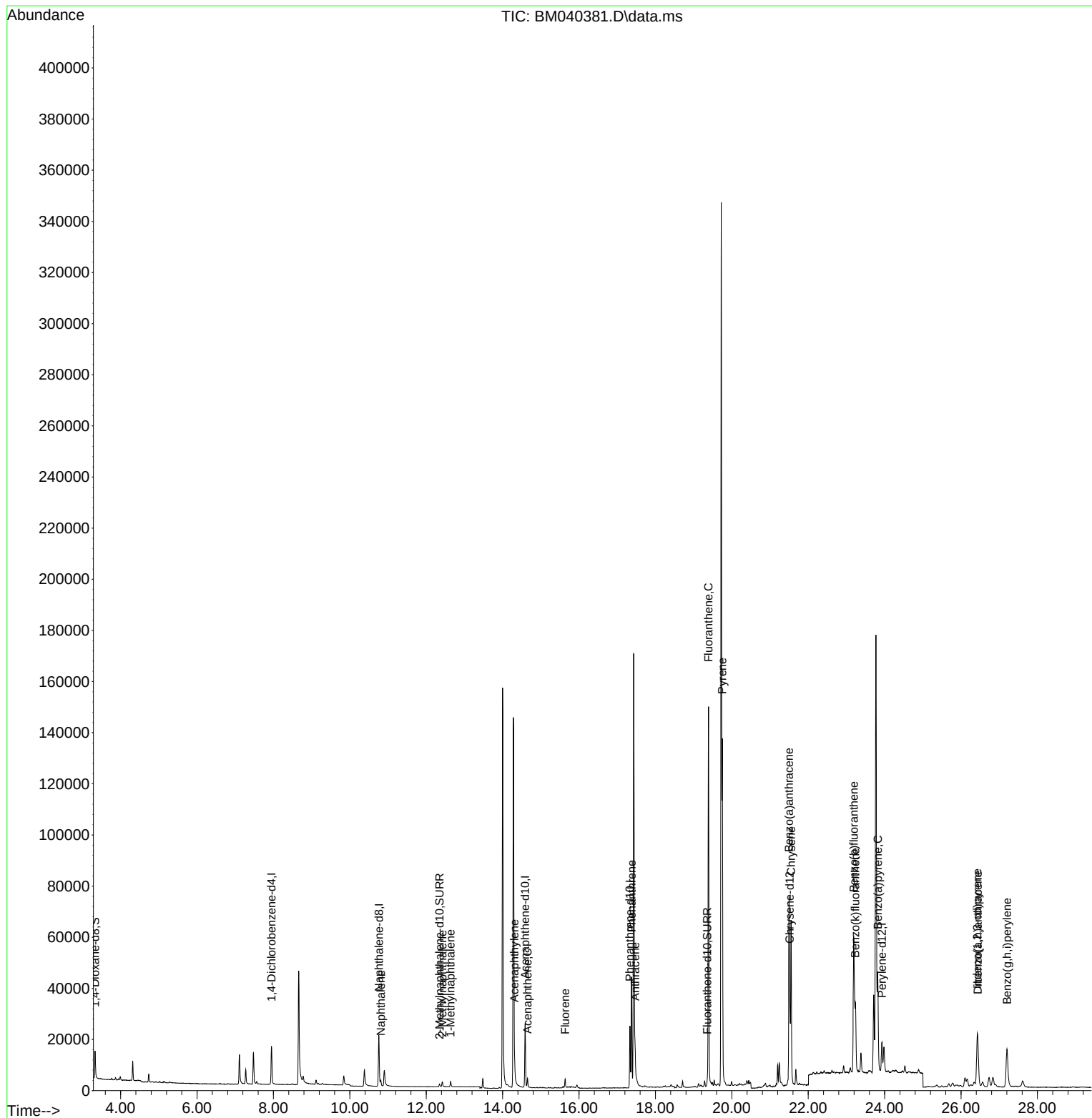
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062323\
Data File : BM040381.D
Acq On : 23 Jun 2023 18:34
Operator : MA/JU
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ALS Vial : 9 Sample Multiplier: 1

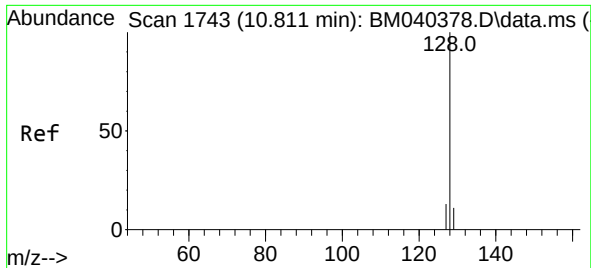
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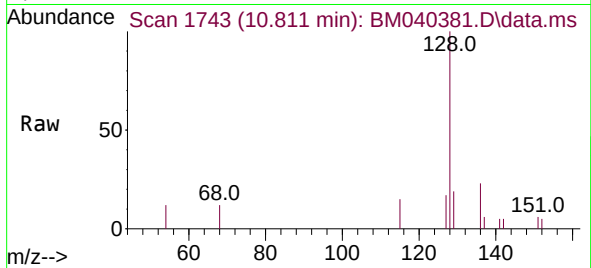
Quant Time: Jun 24 01:38:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.037 ng/ul
RT: 10.811 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

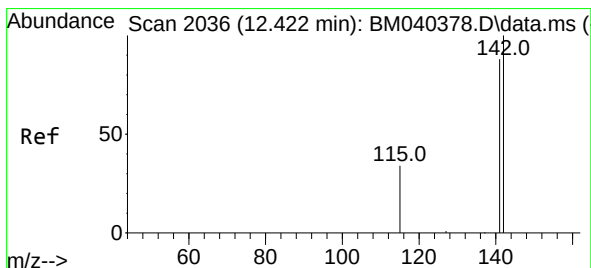
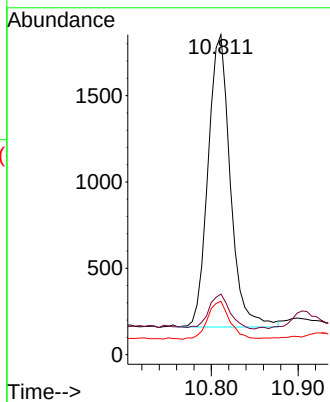
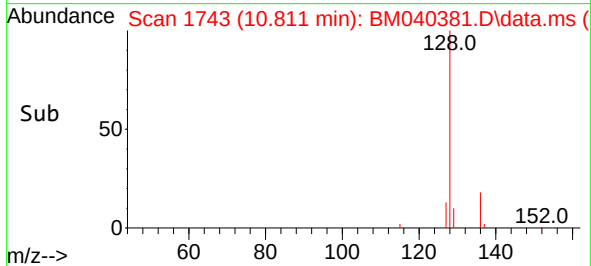
Instrument :
BNA_M
ClientSampleId :
DCFM8DL



Tgt Ion:128 Resp: 3012
Ion Ratio Lower Upper
128 100
129 18.9 9.2 13.8
127 16.7 10.6 15.8

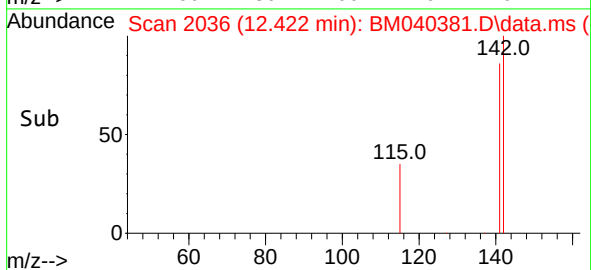
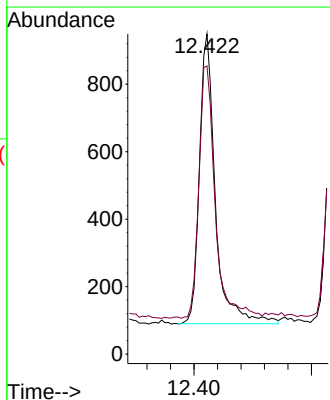
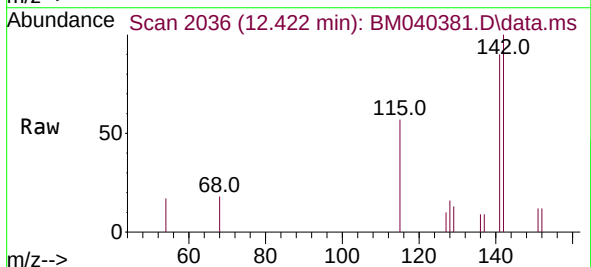
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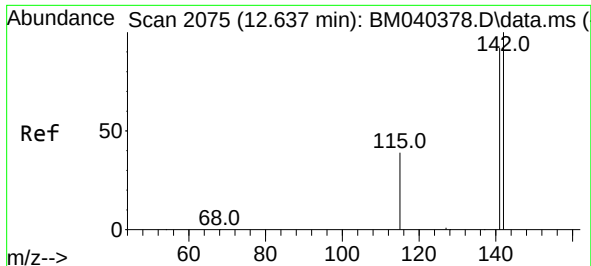
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#7
2-Methylnaphthalene
Concen: 0.034 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

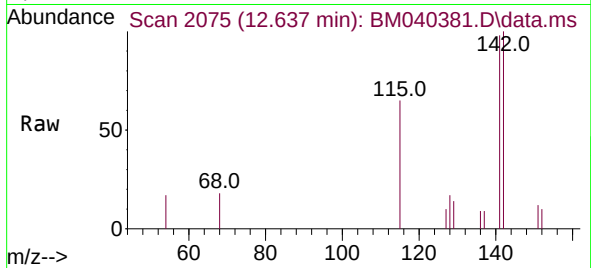
Tgt Ion:142 Resp: 1619
Ion Ratio Lower Upper
142 100
141 88.8 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.032 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

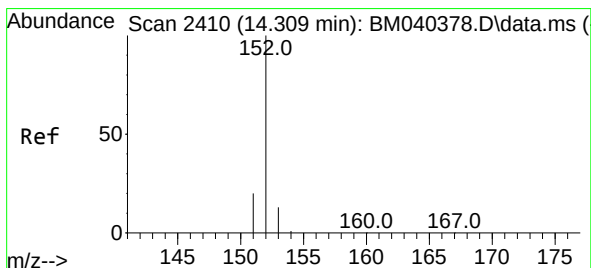
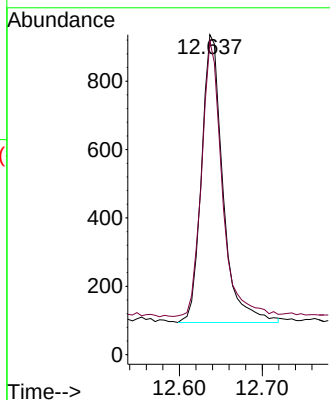
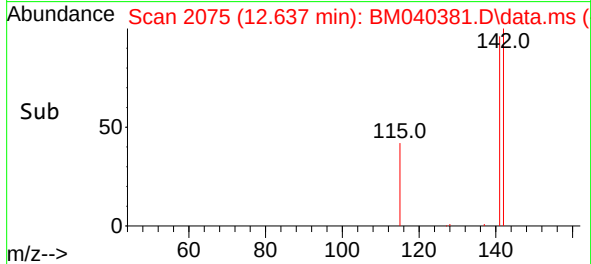
Instrument :
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Tgt Ion:142 Resp: 1512
Ion Ratio Lower Upper
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141 91.9 73.7 110.5

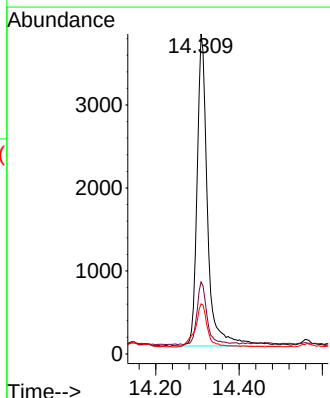
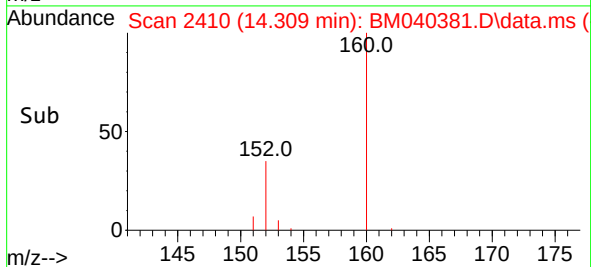
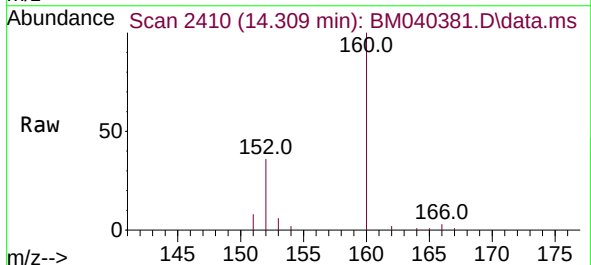
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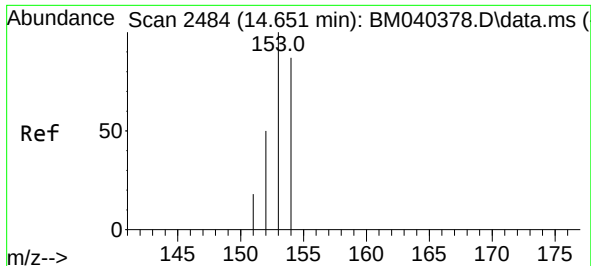
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#10
Acenaphthylene
Concen: 0.101 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

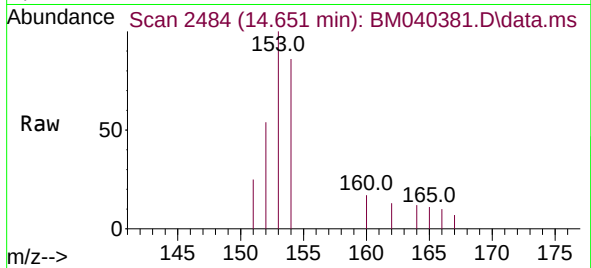
Tgt Ion:152 Resp: 6594
Ion Ratio Lower Upper
152 100
151 22.5 16.2 24.2
153 15.6 10.9 16.3





#11
Acenaphthene
Concen: 0.038 ng/u1
RT: 14.651 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

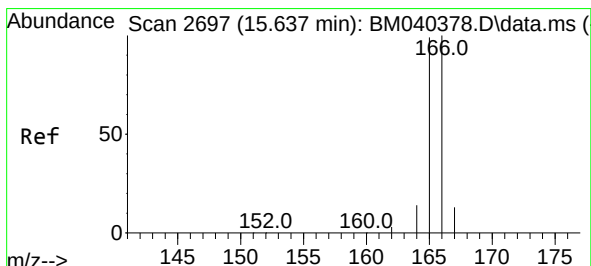
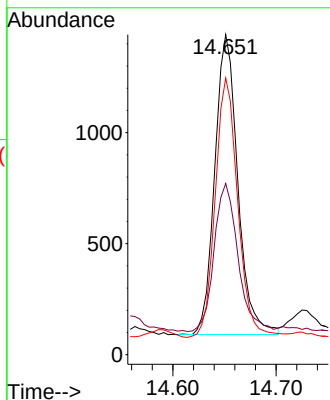
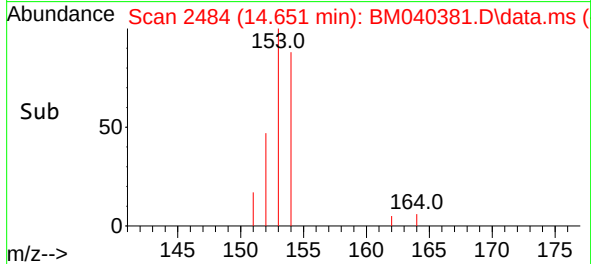
Instrument :
BNA_M
ClientSampleId :
DCFM8DL



Tgt Ion:153 Resp: 2090
Ion Ratio Lower Upper
153 100
152 53.5 41.0 61.4
154 86.5 70.8 106.2

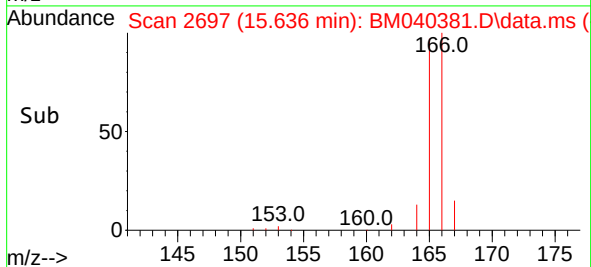
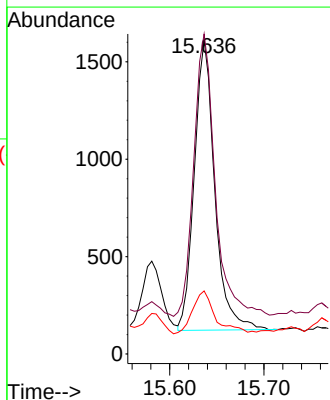
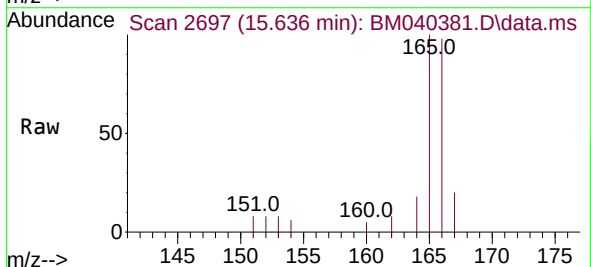
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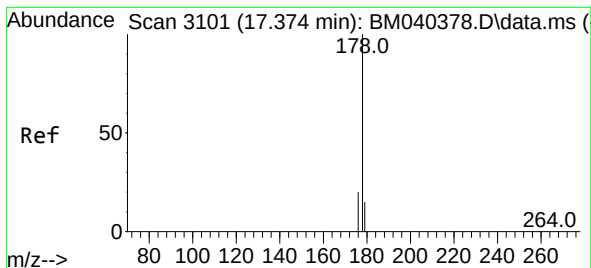
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#12
Fluorene
Concen: 0.038 ng/u1
RT: 15.636 min Scan# 2697
Delta R.T. -0.005 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

Tgt Ion:166 Resp: 2239
Ion Ratio Lower Upper
166 100
165 102.0 79.6 119.4
167 20.1 11.4 17.0#





#15

Phenanthrene

Concen: 0.529 ng/u1

RT: 17.374 min Scan# 3101

Delta R.T. -0.004 min

Lab File: BM040381.D

Acq: 23 Jun 2023 18:34

Instrument :

BNA_M

ClientSampleId :

DCFM8DL

Tgt Ion:178 Resp: 4715

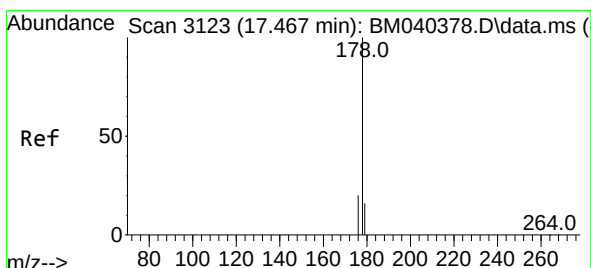
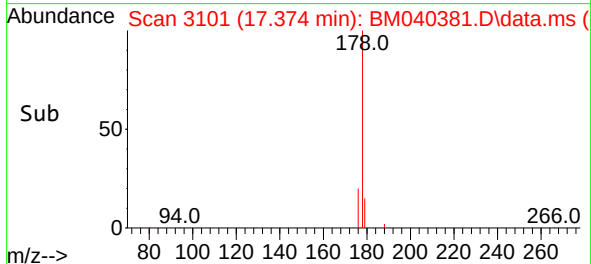
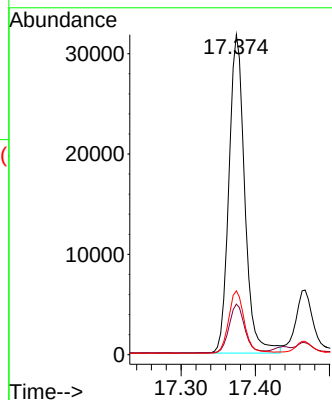
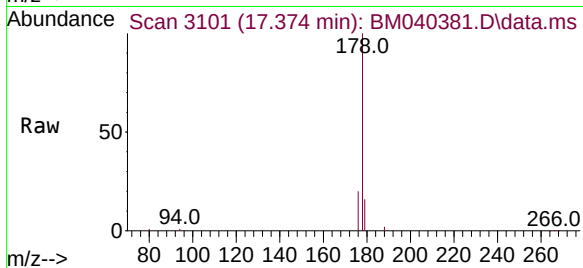
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.8	19.2
176	20.0	16.4	24.6

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#16

Anthracene

Concen: 0.142 ng/u1

RT: 17.467 min Scan# 3123

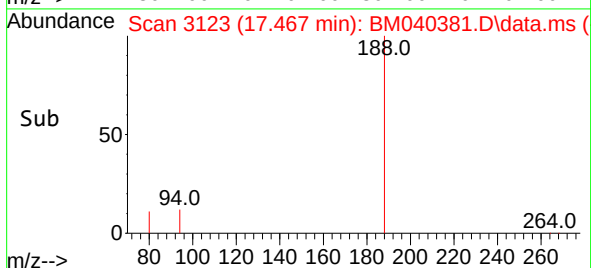
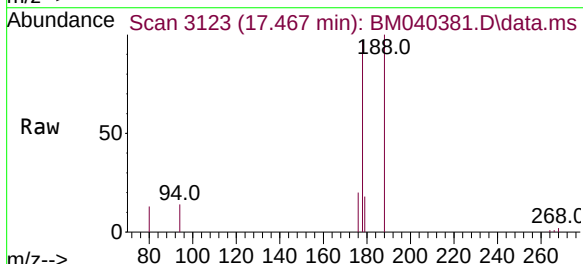
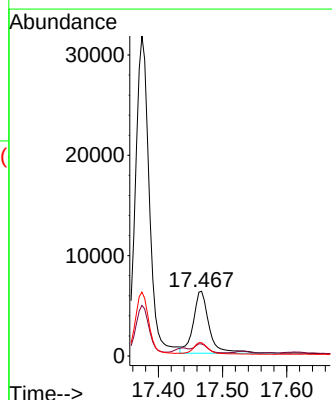
Delta R.T. -0.004 min

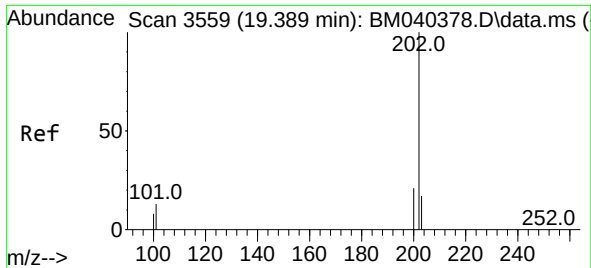
Lab File: BM040381.D

Acq: 23 Jun 2023 18:34

Tgt Ion:178 Resp: 10643

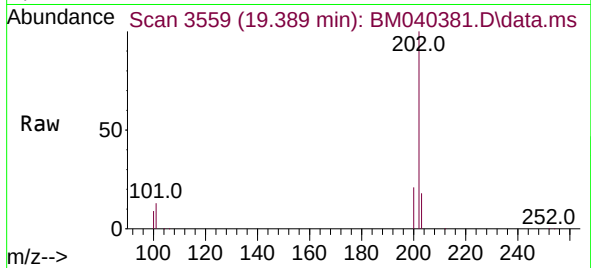
Ion	Ratio	Lower	Upper
178	100		
179	18.7	12.9	19.3
176	20.5	15.8	23.6





#19
Fluoranthene
Concen: 1.473 ng/u1
RT: 19.389 min Scan# 3559
Delta R.T. -0.000 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

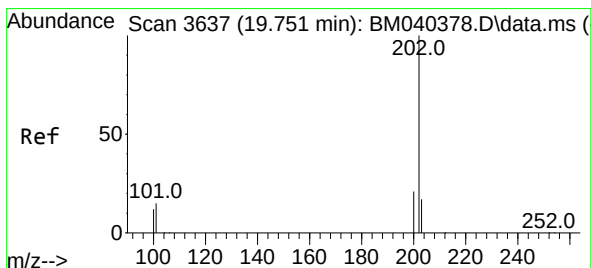
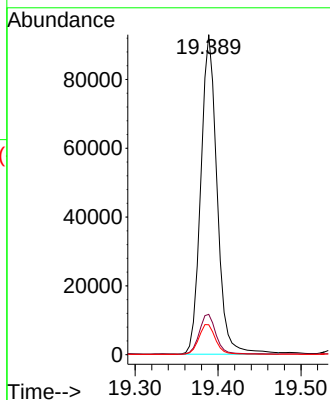
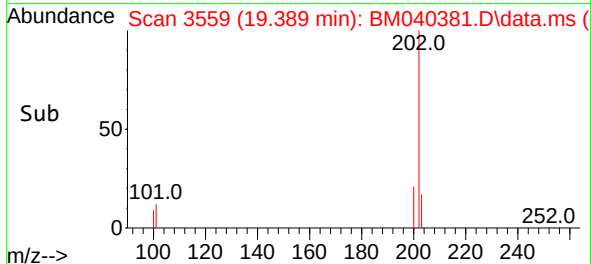
Instrument :
BNA_M
ClientSampleId :
DCFM8DL



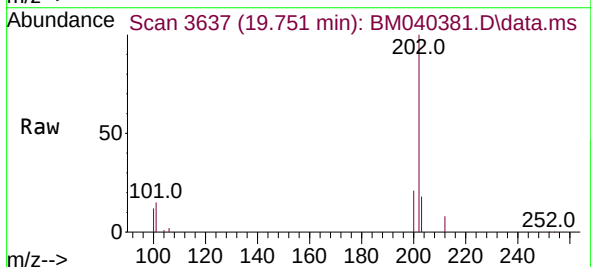
Tgt Ion:202 Resp: 12718
Ion Ratio Lower Upper
202 100
101 12.6 11.4 17.0
100 9.4 8.7 13.1

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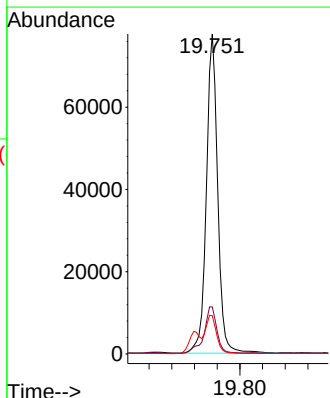
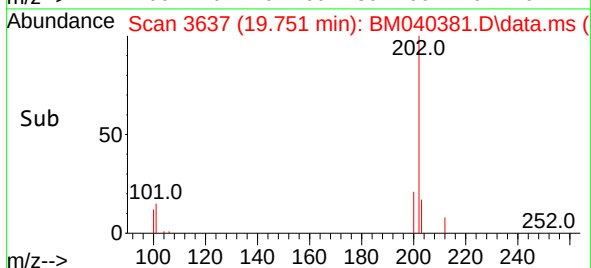
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023

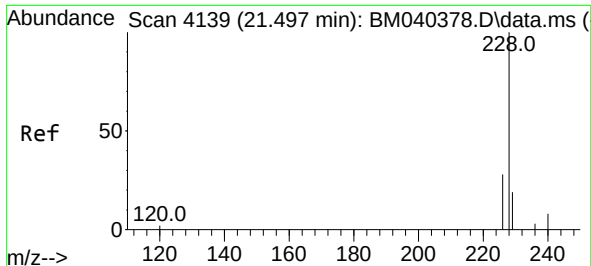


#20
Pyrene
Concen: 1.160 ng/u1
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34



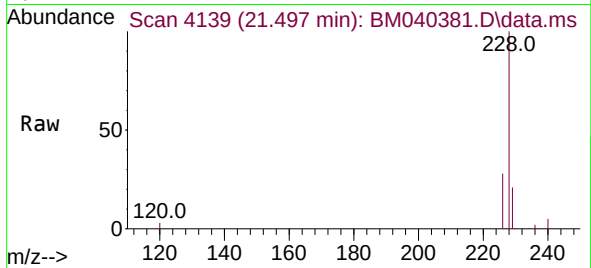
Tgt Ion:202 Resp: 107381
Ion Ratio Lower Upper
202 100
101 14.7 12.6 18.8
100 12.0 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.904 ng/u1
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

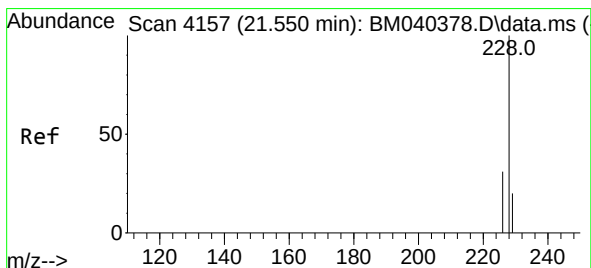
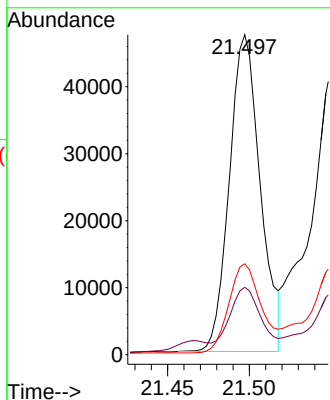
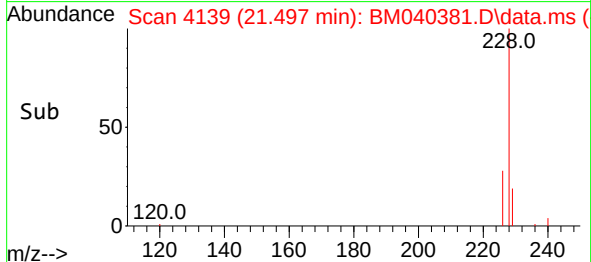
Instrument :
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DCFM8DL



Tgt Ion:228 Resp: 62135
Ion Ratio Lower Upper
228 100
229 21.1 16.0 24.0
226 28.4 22.3 33.5

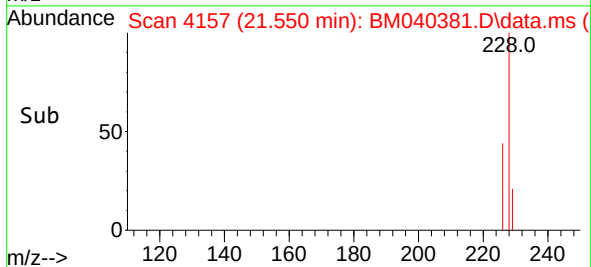
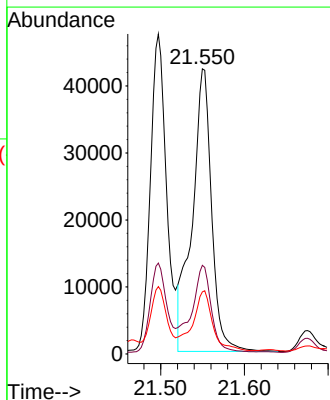
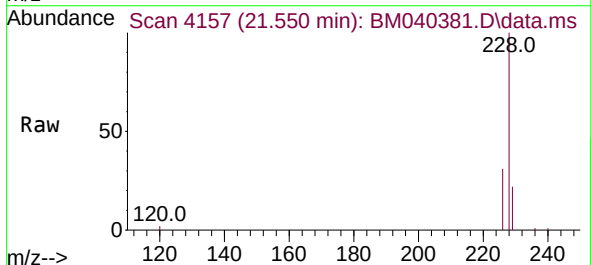
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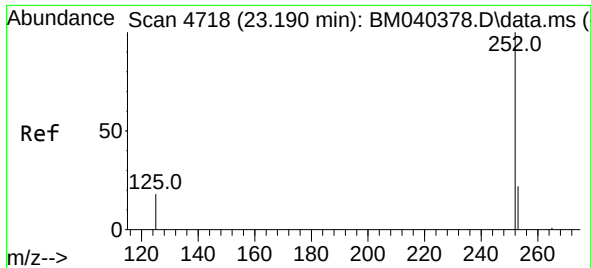
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#22
Chrysene
Concen: 0.869 ng/u1
RT: 21.550 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

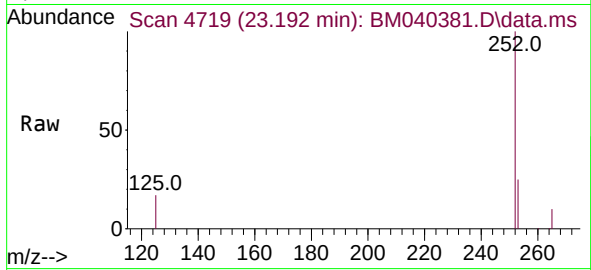
Tgt Ion:228 Resp: 68110
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 21.8 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.453 ng/ul
RT: 23.192 min Scan# 4718
Delta R.T. -0.000 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

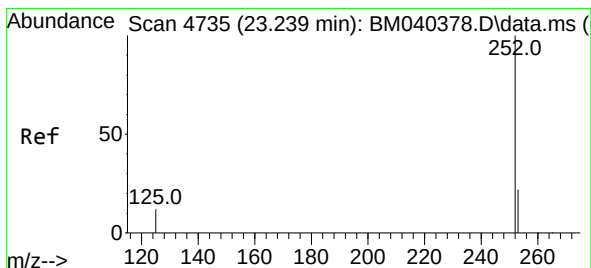
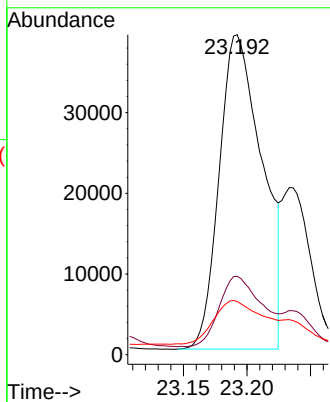
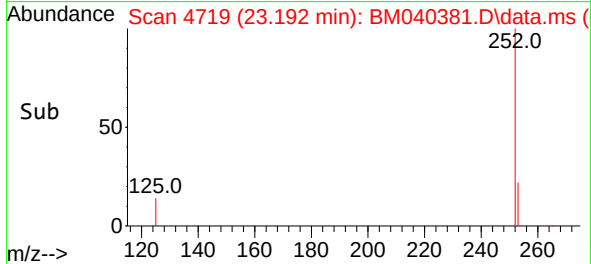
Instrument :
BNA_M
ClientSampleId :
DCFM8DL



Tgt Ion:252 Resp: 9187
Ion Ratio Lower Upper
252 100
253 24.5 0.0 52.8
125 16.6 0.0 43.0

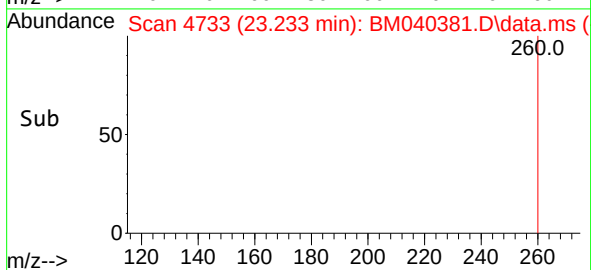
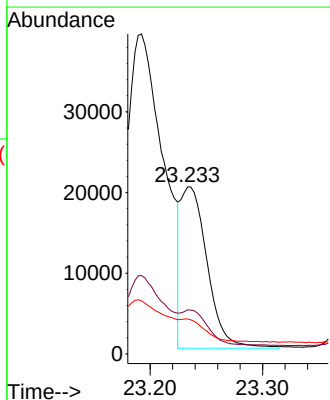
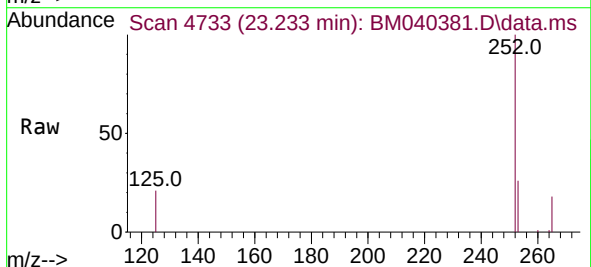
Manual Integrations
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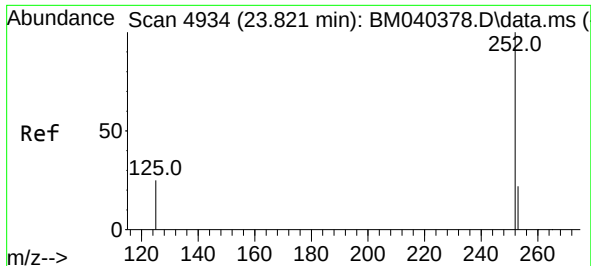
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#25
Benzo(k)fluoranthene
Concen: 0.522 ng/ul m
RT: 23.233 min Scan# 4733
Delta R.T. -0.009 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

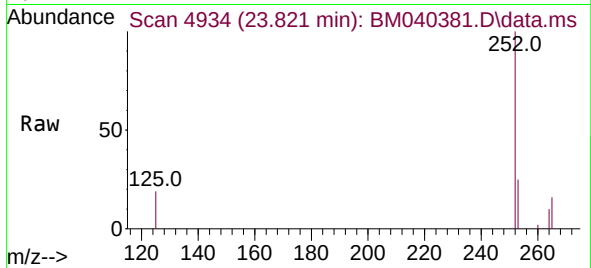
Tgt Ion:252 Resp: 32532
Ion Ratio Lower Upper
252 100
253 26.5 21.2 31.8
125 20.9 16.4 24.6





#26
Benzo(a)pyrene
Concen: 0.911 ng/ul
RT: 23.821 min Scan# 4934
Delta R.T. -0.003 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

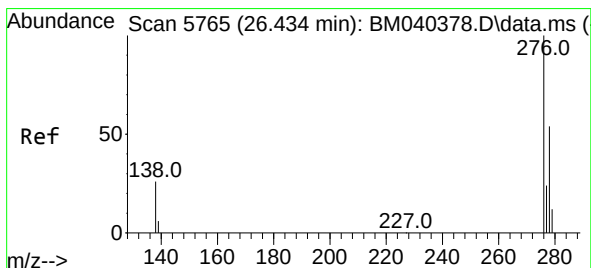
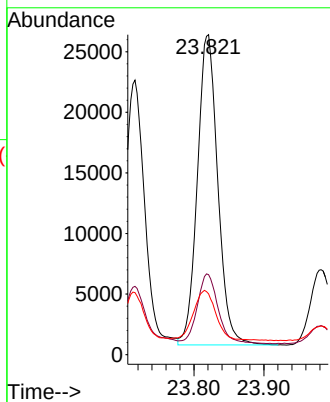
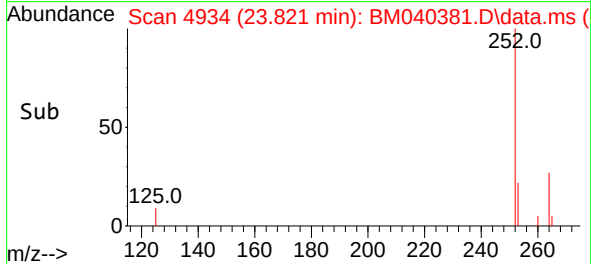
Instrument :
BNA_M
ClientSampleId :
DCFM8DL



Tgt Ion:252 Resp: 51924
Ion Ratio Lower Upper
252 100
253 25.0 22.9 34.3
125 19.0 21.0 31.4

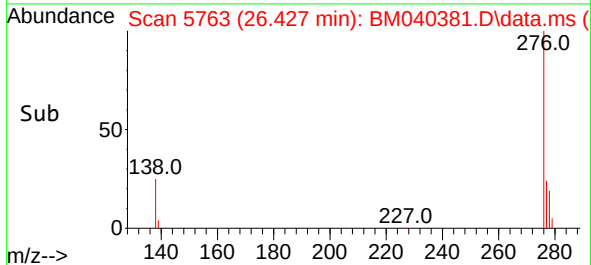
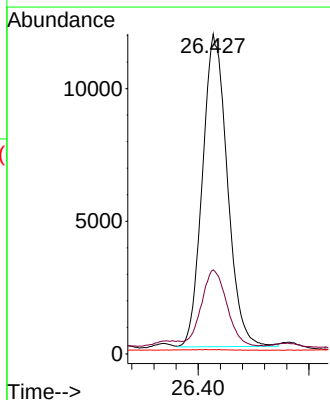
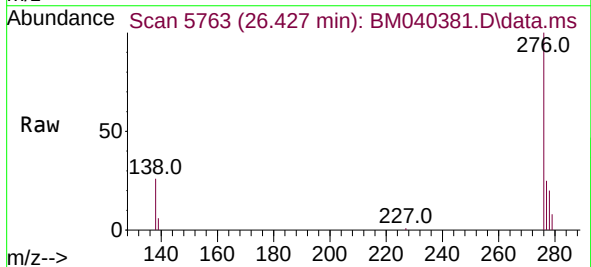
Manual Integrations
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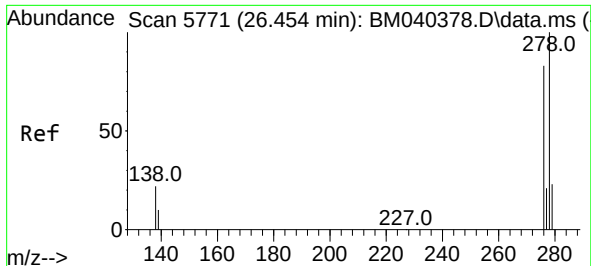
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.463 ng/ul
RT: 26.427 min Scan# 5763
Delta R.T. -0.007 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

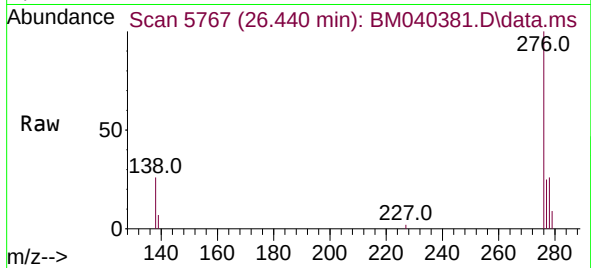
Tgt Ion:276 Resp: 36718
Ion Ratio Lower Upper
276 100
138 25.5 24.5 36.7
227 0.0 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.150 ng/ul
RT: 26.440 min Scan# 51
Delta R.T. -0.014 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34

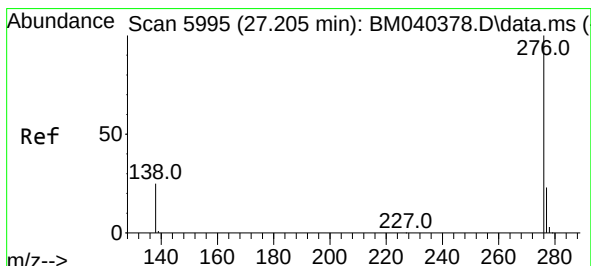
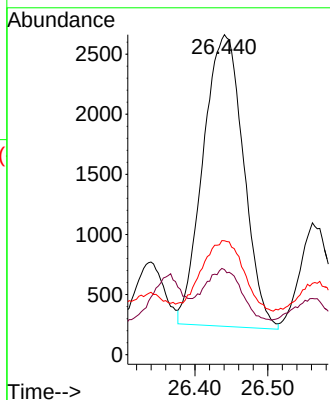
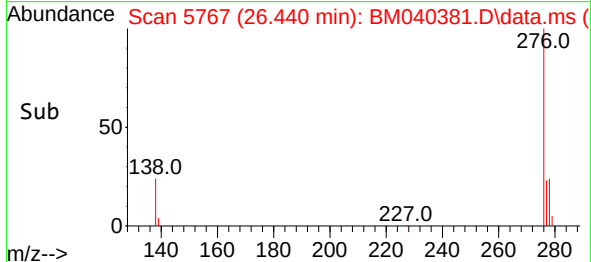
Instrument :
BNA_M
ClientSampleId :
DCFM8DL



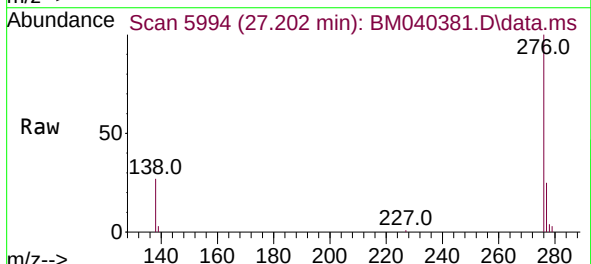
Tgt Ion: 278 Resp: 933
Ion Ratio Lower Upper
278 100
139 26.6 17.9 26.9
279 35.6 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#29
Benzo(g,h,i)perylene
Concen: 0.485 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. -0.003 min
Lab File: BM040381.D
Acq: 23 Jun 2023 18:34



Tgt Ion: 276 Resp: 33716
Ion Ratio Lower Upper
276 100
138 27.5 23.0 34.6
277 25.0 20.3 30.5

