

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
 Data File : BM040474.D
 Acq On : 30 Jun 2023 16:29
 Operator : MA/JU
 Sample : 03161-09DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFW5DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/01/2023
 Supervised By :mohammad ahmed 07/01/2023

Quant Time: Jul 01 03:03:54 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 : Sat Jul 01 03:00:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	1901	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.751	136	7263	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.582	164	3562	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.328	188	6847	0.400	ng/ul	0.00
17) Chrysene-d12	21.509	240	4173	0.400	ng/ul	# 0.00
23) Perylene-d12	23.923	264	3825	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	5044	1.689	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.340	152	1184	0.116	ng/ul	0.00
18) Fluoranthene-d10	19.352	212	1836	0.137	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.795	128	2991	0.149	ng/ul#	84
7) 2-Methylnaphthalene	12.411	142	1282	0.109	ng/ul	100
8) 1-Methylnaphthalene	12.626	142	766	0.065	ng/ul	99
10) Acenaphthylene	14.300	152	3938	0.247	ng/ul#	89
11) Acenaphthene	14.642	153	632	0.047	ng/ul#	91
12) Fluorene	15.632	166	638	0.044	ng/ul#	85
15) Phenanthrene	17.370	178	12049	0.567	ng/ul	98
16) Anthracene	17.459	178	4575	0.256	ng/ul#	89
19) Fluoranthene	19.384	202	31866	1.798	ng/ul	97
20) Pyrene	19.747	202	27930	1.470	ng/ul	99
21) Benzo(a)anthracene	21.492	228	17503	1.240	ng/ul	96
22) Chrysene	21.544	228	25247	1.568	ng/ul	98
24) Benzo(b)fluoranthene	23.187	252	38440	2.597	ng/ul	99
25) Benzo(k)fluoranthene	23.228	252	10972m	0.752	ng/ul	
26) Benzo(a)pyrene	23.812	252	21236	1.593	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.421	276	18783	1.011	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.431	278	4653	0.320	ng/ul#	62
29) Benzo(g,h,i)perylene	27.199	276	16623	1.021	ng/ul	97

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

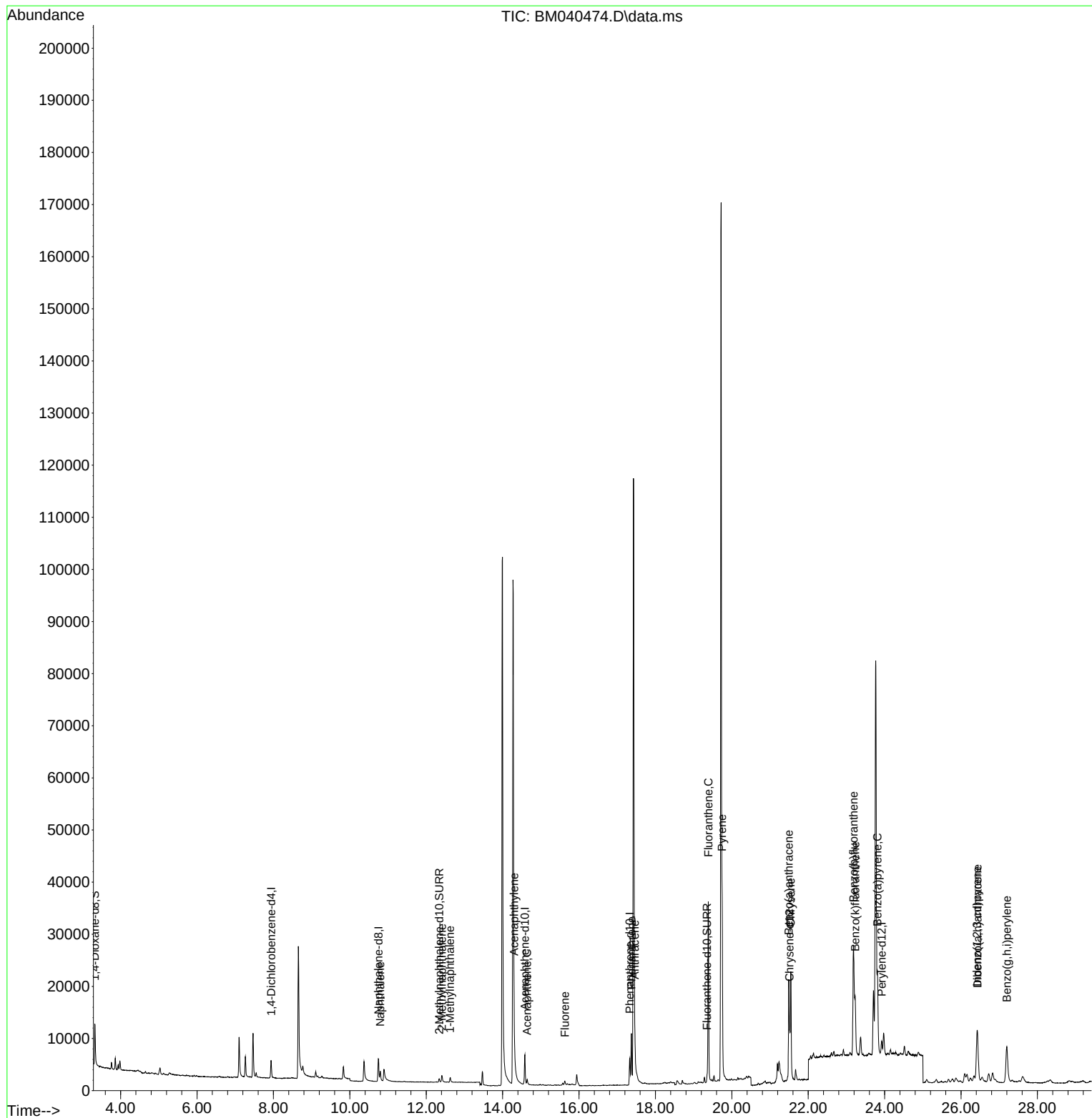
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM063023\
Data File : BM040474.D
Acq On : 30 Jun 2023 16:29
Operator : MA/JU
Sample : 03161-09DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

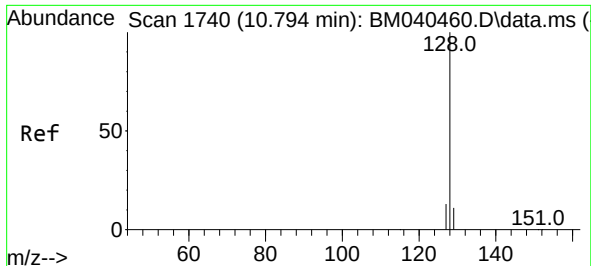
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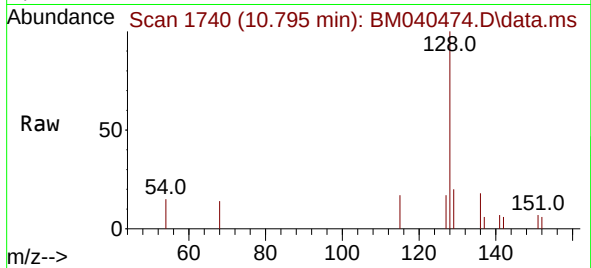
Quant Time: Jul 01 03:03:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 01 03:00:05 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.149 ng/ul
RT: 10.795 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

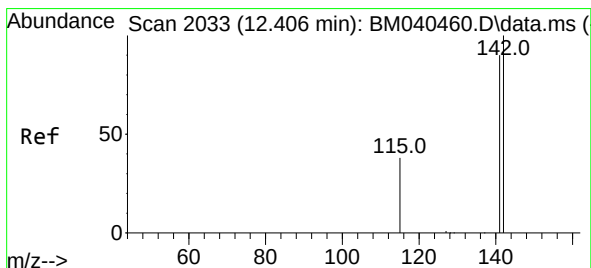
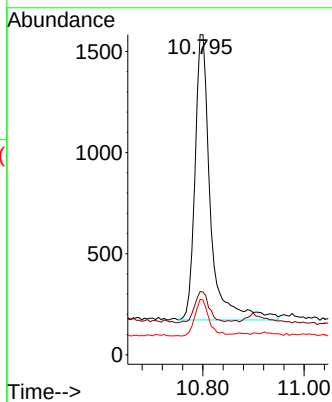
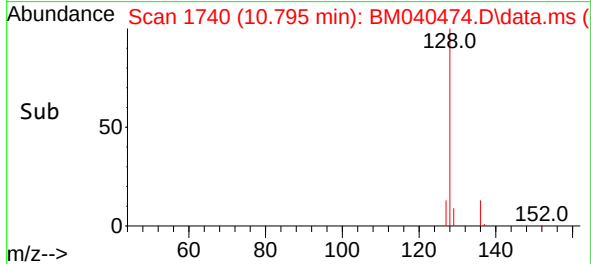
Instrument :
BNA_M
ClientSampleId :
DCF5DL



Tgt Ion:128 Resp: 299
Ion Ratio Lower Upper
128 100
129 19.8 9.2 13.8
127 17.3 10.6 15.8

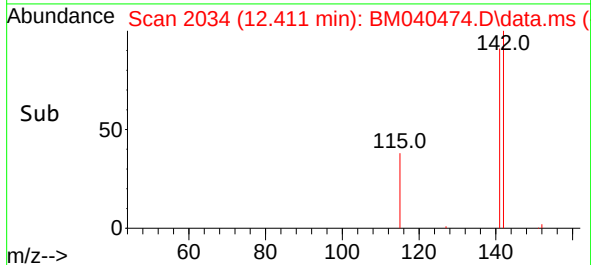
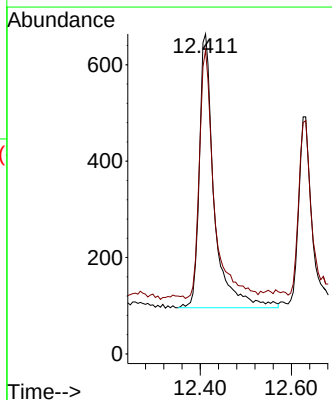
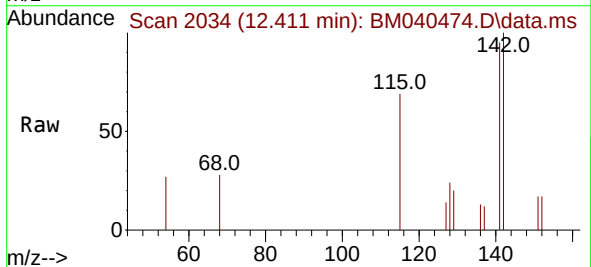
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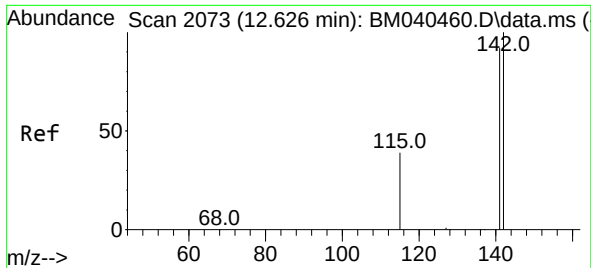
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#7
2-Methylnaphthalene
Concen: 0.109 ng/ul
RT: 12.411 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

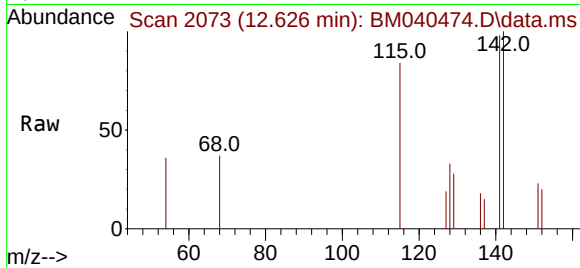
Tgt Ion:142 Resp: 1282
Ion Ratio Lower Upper
142 100
141 89.8 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.626 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

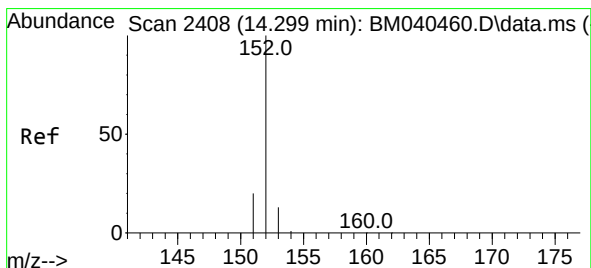
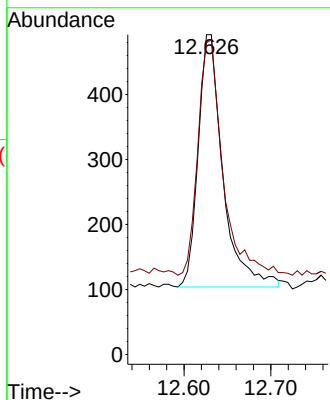
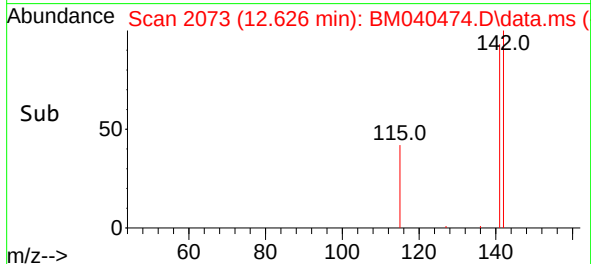
Instrument :
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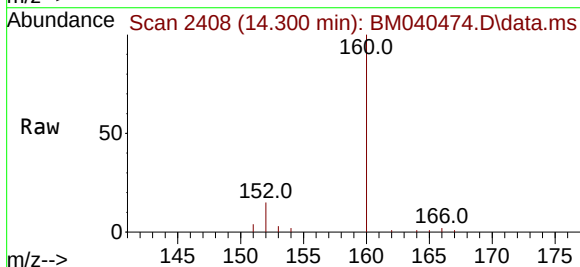
Tgt Ion:142 Resp: 760
Ion Ratio Lower Upper
142 100
141 93.5 73.7 110.5

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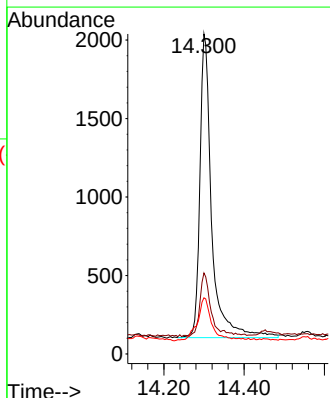
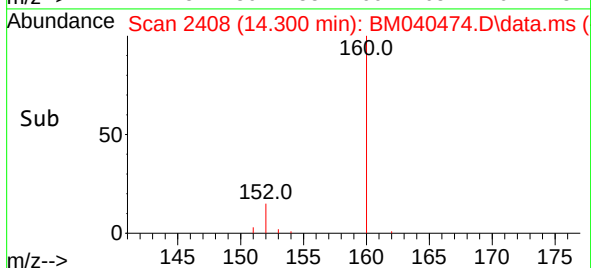
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

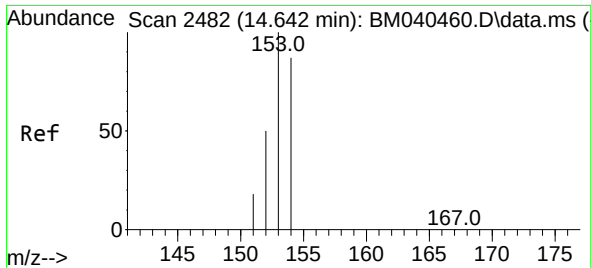


#10
Acenaphthylene
Concen: 0.247 ng/ul
RT: 14.300 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29



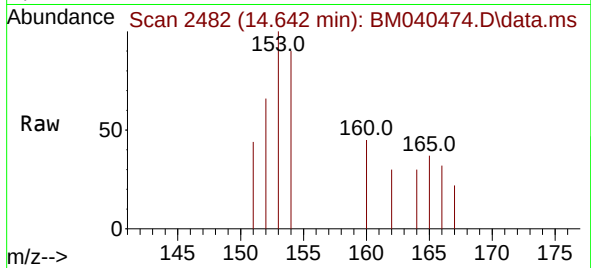
Tgt Ion:152 Resp: 3938
Ion Ratio Lower Upper
152 100
151 25.3 16.2 24.2#
153 17.6 10.9 16.3#





#11
Acenaphthene
Concen: 0.047 ng/ul
RT: 14.642 min Scan# 2482
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

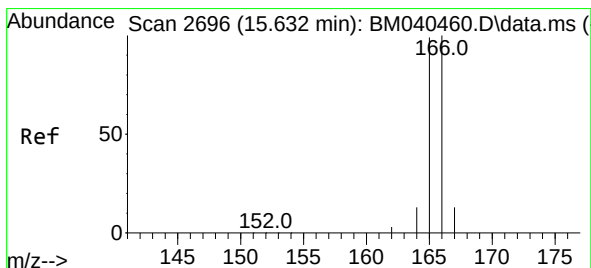
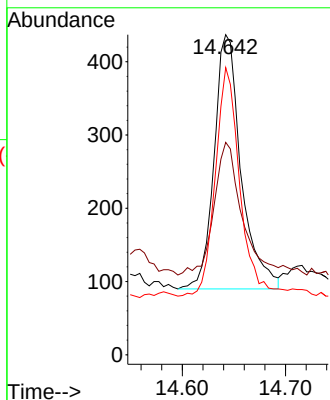
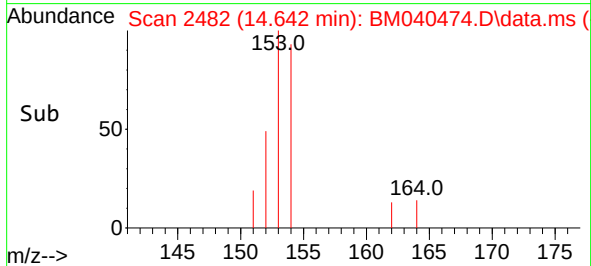
Instrument :
BNA_M
ClientSampleId :
DCF5DL



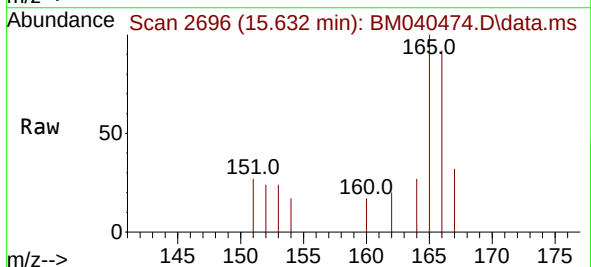
Tgt Ion:153 Resp: 632
Ion Ratio Lower Upper
153 100
152 66.4 41.0 61.4
154 89.7 70.8 106.2

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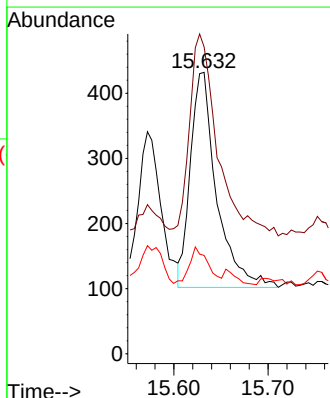
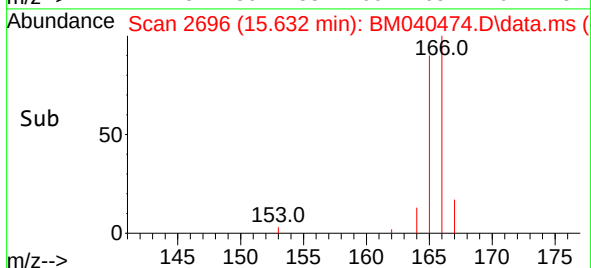
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

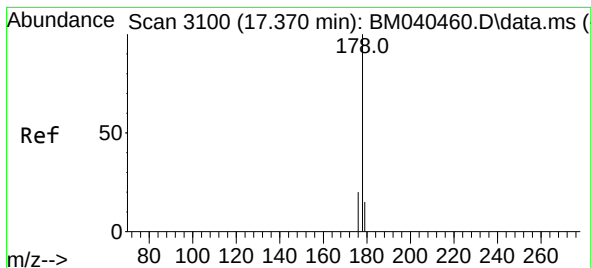


#12
Fluorene
Concen: 0.044 ng/ul
RT: 15.632 min Scan# 2696
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29



Tgt Ion:166 Resp: 638
Ion Ratio Lower Upper
166 100
165 109.0 79.6 119.4
167 35.0 11.4 17.0#





#15

Phenanthrene

Concen: 0.567 ng/u1

RT: 17.370 min Scan# 3100

Delta R.T. 0.000 min

Lab File: BM040474.D

Acq: 30 Jun 2023 16:29

Instrument :

BNA_M

ClientSampleId :

DCFV5DL

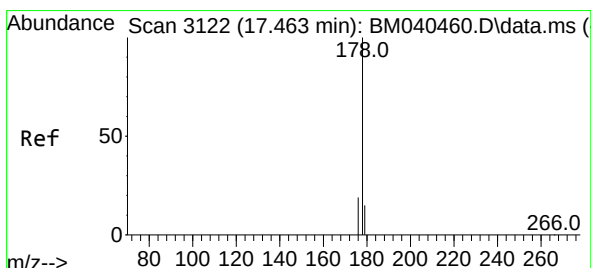
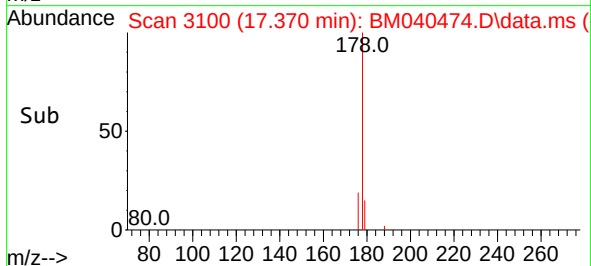
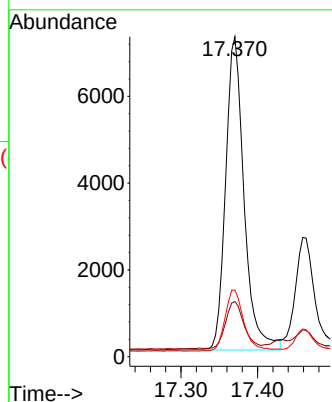
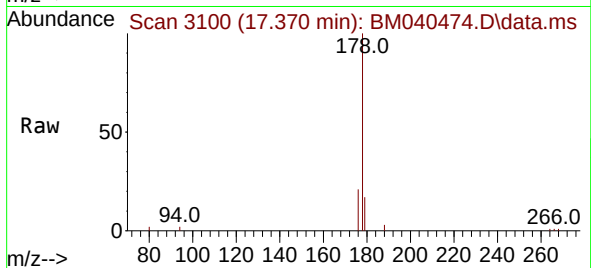
Tgt Ion:	178	Resp:	12049
Ion Ratio	Lower	Upper	
178	100		
179	17.3	12.8	19.2
176	20.8	16.4	24.6

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#16

Anthracene

Concen: 0.256 ng/u1

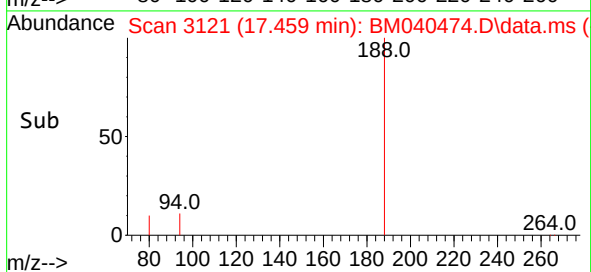
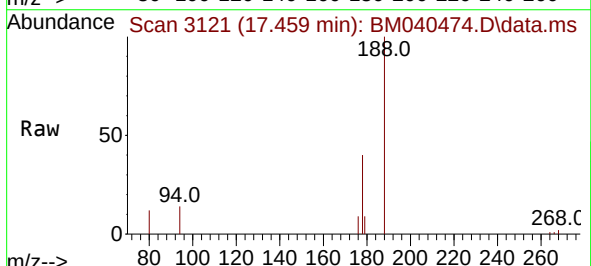
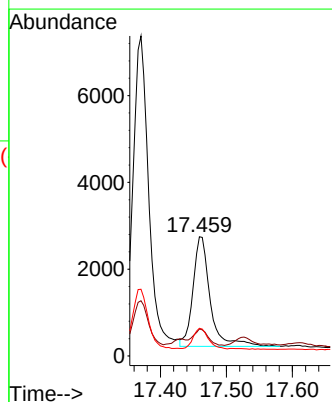
RT: 17.459 min Scan# 3121

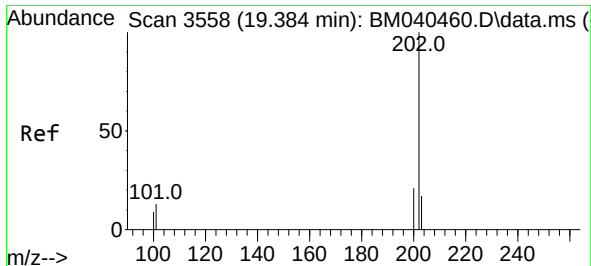
Delta R.T. -0.004 min

Lab File: BM040474.D

Acq: 30 Jun 2023 16:29

Tgt Ion:	178	Resp:	4575
Ion Ratio	Lower	Upper	
178	100		
179	22.7	12.9	19.3
176	23.2	15.8	23.6





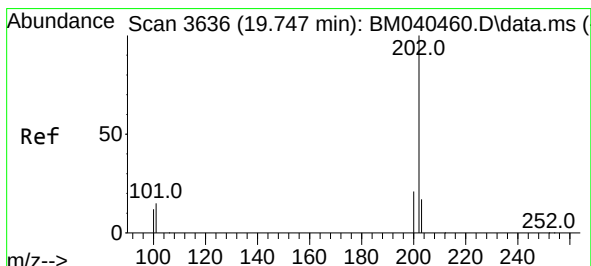
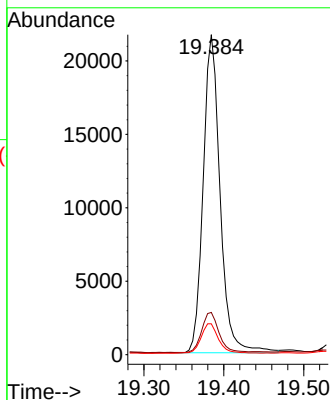
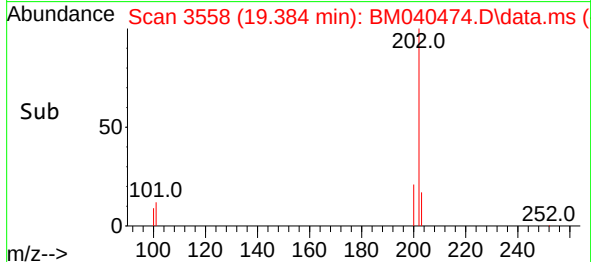
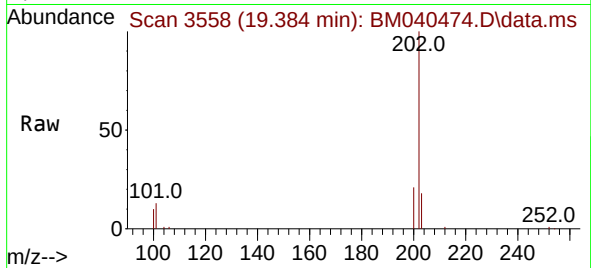
#19
Fluoranthene
Concen: 1.798 ng/ul
RT: 19.384 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

Instrument :
BNA_M
ClientSampleId :
DCFW5DL

Tgt Ion:202 Resp: 31860
Ion Ratio Lower Upper
202 100
101 13.2 11.4 17.0
100 9.7 8.7 13.1

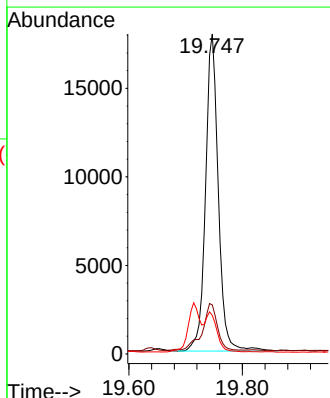
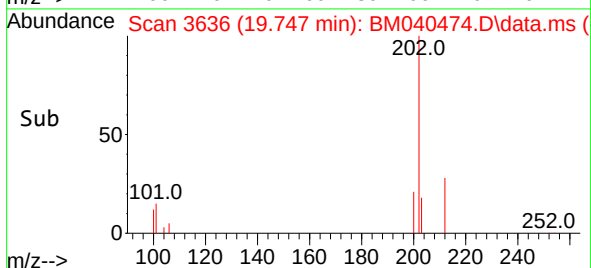
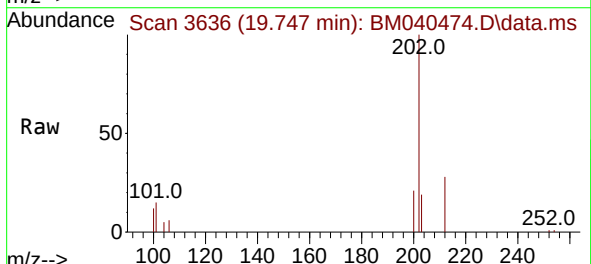
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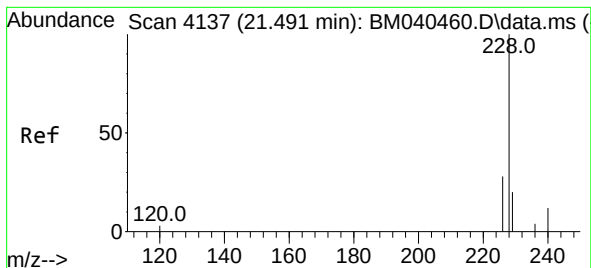
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#20
Pyrene
Concen: 1.470 ng/ul
RT: 19.747 min Scan# 3636
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

Tgt Ion:202 Resp: 27930
Ion Ratio Lower Upper
202 100
101 15.4 12.6 18.8
100 12.0 9.8 14.6





#21

Benzo(a)anthracene

Concen: 1.240 ng/ul

RT: 21.492 min Scan# 4137

Delta R.T. 0.000 min

Lab File: BM040474.D

Acq: 30 Jun 2023 16:29

Instrument :

BNA_M

ClientSampleId :

DCF5DL

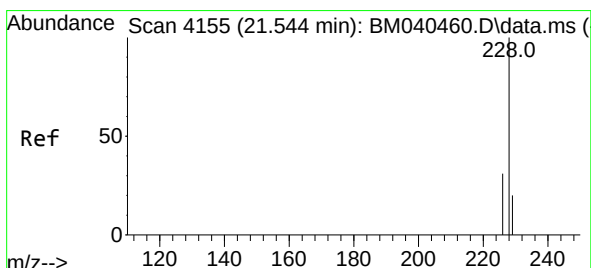
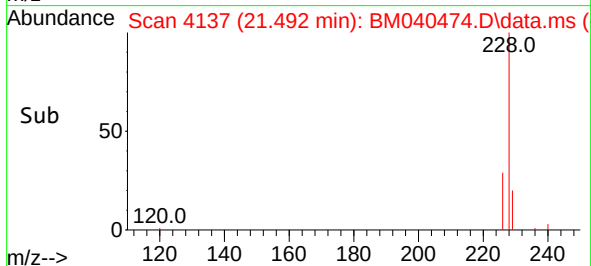
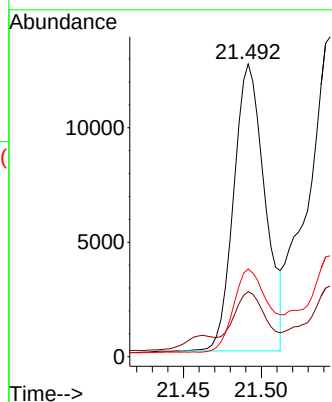
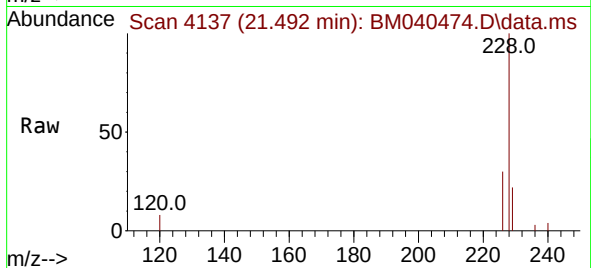
Tgt Ion:228	Resp:	17500
Ion Ratio	Lower	Upper
228	100	
229	22.2	16.0 24.0
226	29.9	22.3 33.5

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#22

Chrysene

Concen: 1.568 ng/ul

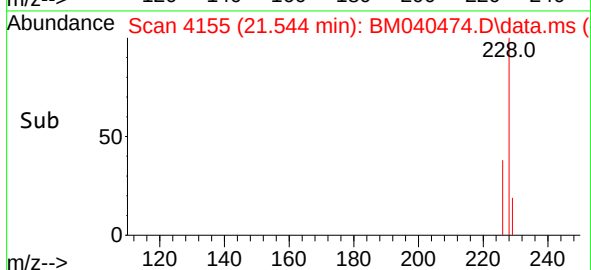
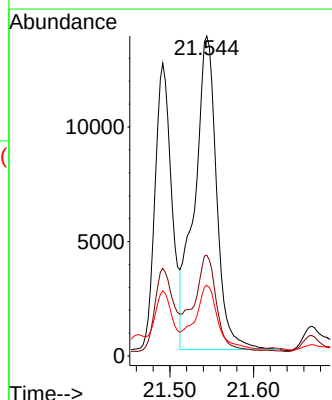
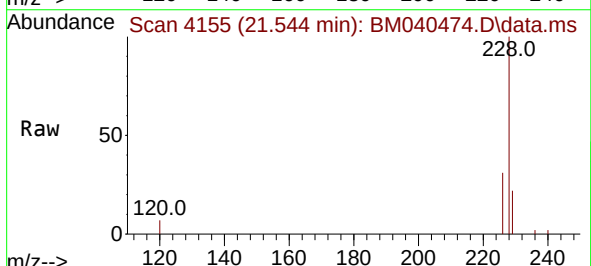
RT: 21.544 min Scan# 4155

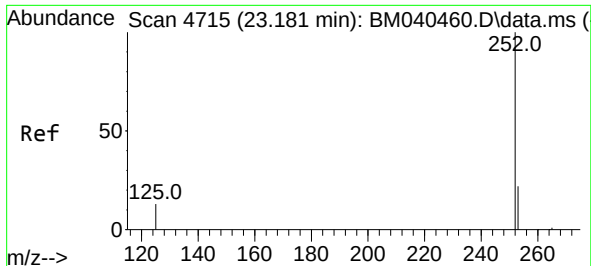
Delta R.T. 0.000 min

Lab File: BM040474.D

Acq: 30 Jun 2023 16:29

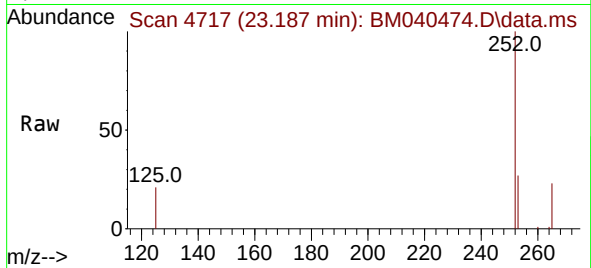
Tgt Ion:228	Resp:	25247
Ion Ratio	Lower	Upper
228	100	
226	31.5	24.9 37.3
229	22.1	15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.597 ng/ul
RT: 23.187 min Scan# 4715
Delta R.T. 0.006 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

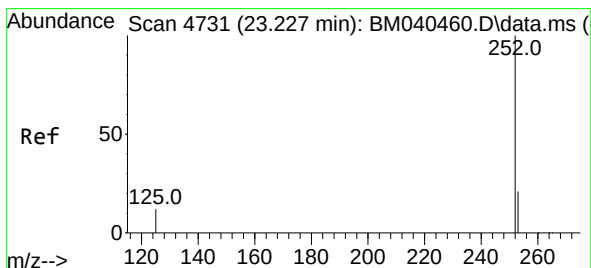
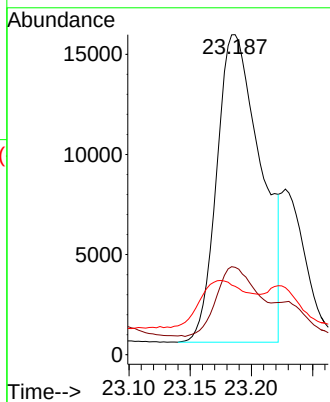
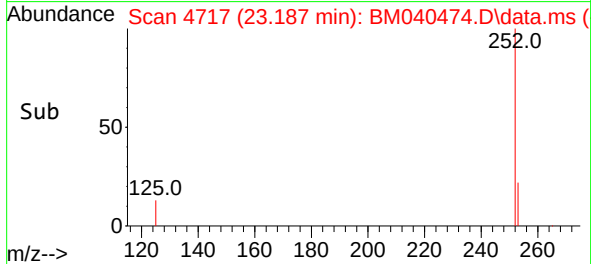
Instrument :
BNA_M
ClientSampleId :
DCFW5DL



Tgt Ion:252 Resp: 38440
Ion Ratio Lower Upper
252 100
253 27.3 0.0 52.8
125 21.3 0.0 43.0

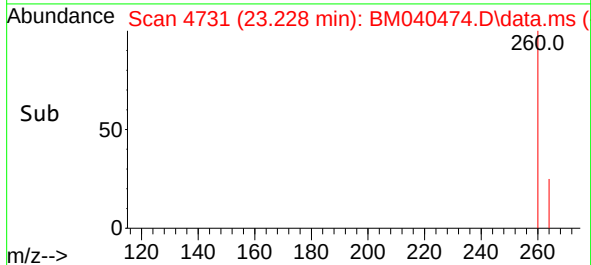
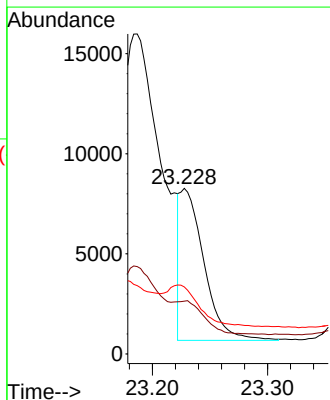
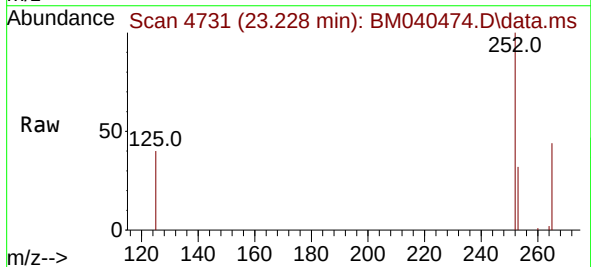
Manual Integrations
APPROVED

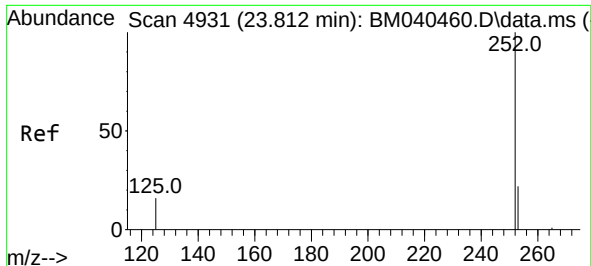
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#25
Benzo(k)fluoranthene
Concen: 0.752 ng/ul m
RT: 23.228 min Scan# 4731
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

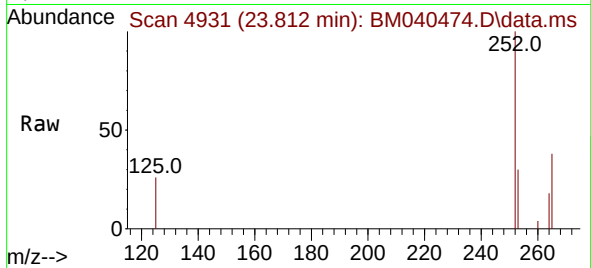
Tgt Ion:252 Resp: 10972
Ion Ratio Lower Upper
252 100
253 31.9 21.2 31.8#
125 40.5 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 1.593 ng/u1
RT: 23.812 min Scan# 4931
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

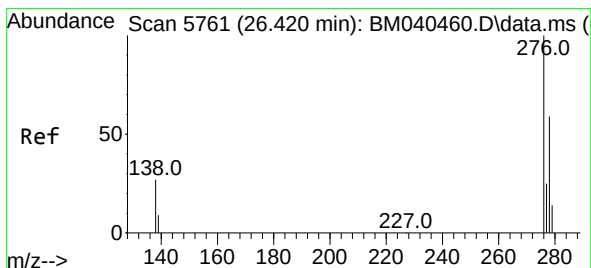
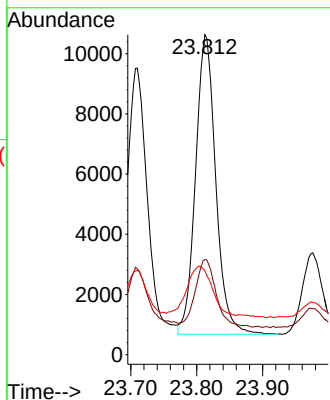
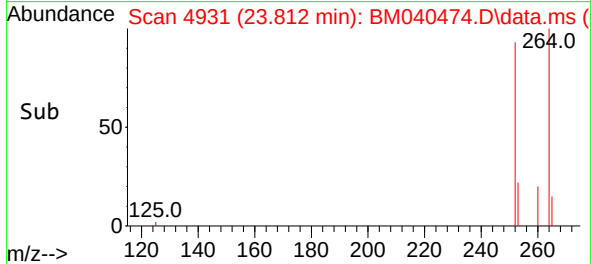
Instrument :
BNA_M
ClientSampleId :
DCF5DL



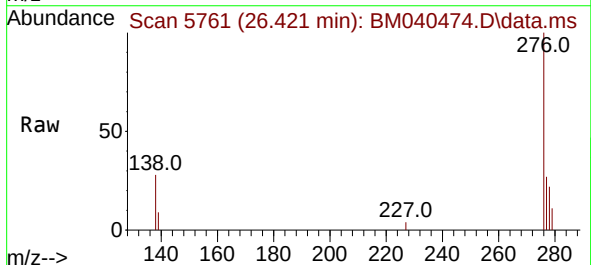
Tgt Ion:252 Resp: 21230
Ion Ratio Lower Upper
252 100
253 29.7 22.9 34.3
125 26.2 21.0 31.4

Manual Integrations
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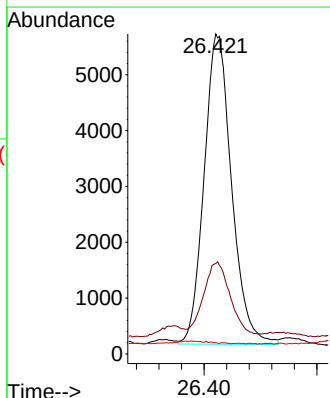
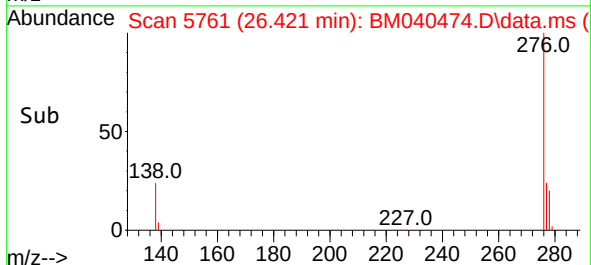
Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023

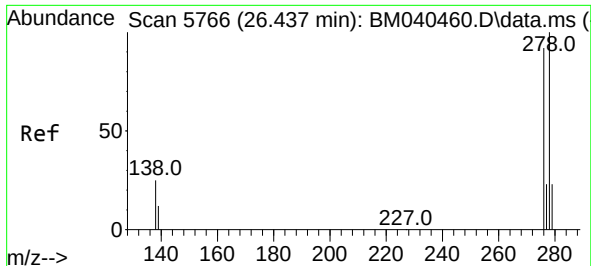


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.011 ng/u1
RT: 26.421 min Scan# 5761
Delta R.T. 0.000 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29



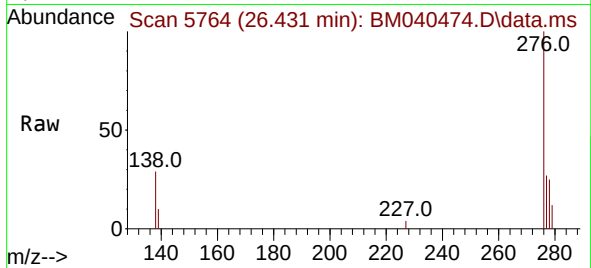
Tgt Ion:276 Resp: 18783
Ion Ratio Lower Upper
276 100
138 24.1 24.5 36.7#
227 0.1 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.320 ng/ul
RT: 26.431 min Scan# 5764
Delta R.T. -0.006 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

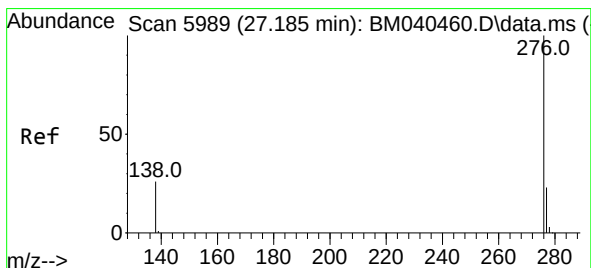
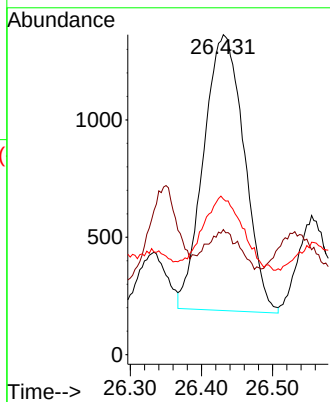
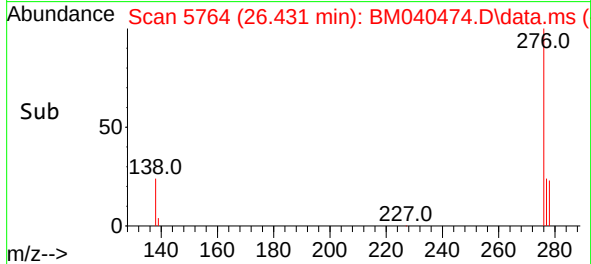
Instrument :
BNA_M
ClientSampleId :
DCF5DL



Tgt Ion:278 Resp: 465
Ion Ratio Lower Upper
278 100
139 39.1 17.9 26.9
279 48.6 22.0 33.0

Manual Integrations
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Reviewed By :Yogesh Patel 07/01/2023
Supervised By :mohammad ahmed 07/01/2023



#29
Benzo(g,h,i)perylene
Concen: 1.021 ng/ul
RT: 27.199 min Scan# 5993
Delta R.T. 0.014 min
Lab File: BM040474.D
Acq: 30 Jun 2023 16:29

Tgt Ion:276 Resp: 16623
Ion Ratio Lower Upper
276 100
138 30.5 23.0 34.6
277 26.8 20.3 30.5

