

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
 Data File : BM040442.D
 Acq On : 29 Jun 2023 17:57
 Operator : MA/JU
 Sample : 03143-12DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFU9DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 30 03:06:35 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	7.944	152	7888	0.400	ng/ul	0.00
4) Naphthalene-d8	10.750	136	28993	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.586	164	13377	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	25490	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	13599	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	13721	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	8028	0.648	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	1879	0.046	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	2559	0.059	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.800	128	5050	0.063	ng/ul#	90
7) 2-Methylnaphthalene	12.417	142	3401	0.072	ng/ul	100
8) 1-Methylnaphthalene	12.631	142	2437	0.052	ng/ul	98
10) Acenaphthylene	14.309	152	7884	0.132	ng/ul#	95
11) Acenaphthene	14.646	153	4240	0.084	ng/ul	98
12) Fluorene	15.632	166	3819	0.071	ng/ul#	95
15) Phenanthrene	17.374	178	123752	1.563	ng/ul	98
16) Anthracene	17.463	178	14663	0.220	ng/ul	98
19) Fluoranthene	19.384	202	380185	6.581	ng/ul	97
20) Pyrene	19.751	202	279033	4.506	ng/ul	96
21) Benzo(a)anthracene	21.494	228	119015	2.587	ng/ul	99
22) Chrysene	21.547	228	140998	2.687	ng/ul	98
24) Benzo(b)fluoranthene	23.189	252	213434	4.019	ng/ul	89
25) Benzo(k)fluoranthene	23.230	252	71190m	1.360	ng/ul	
26) Benzo(a)pyrene	23.818	252	125574	2.625	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.430	276	115516	1.734	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.437	278	27034	0.518	ng/ul	95
29) Benzo(g,h,i)perylene	27.202	276	105873	1.813	ng/ul	96

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

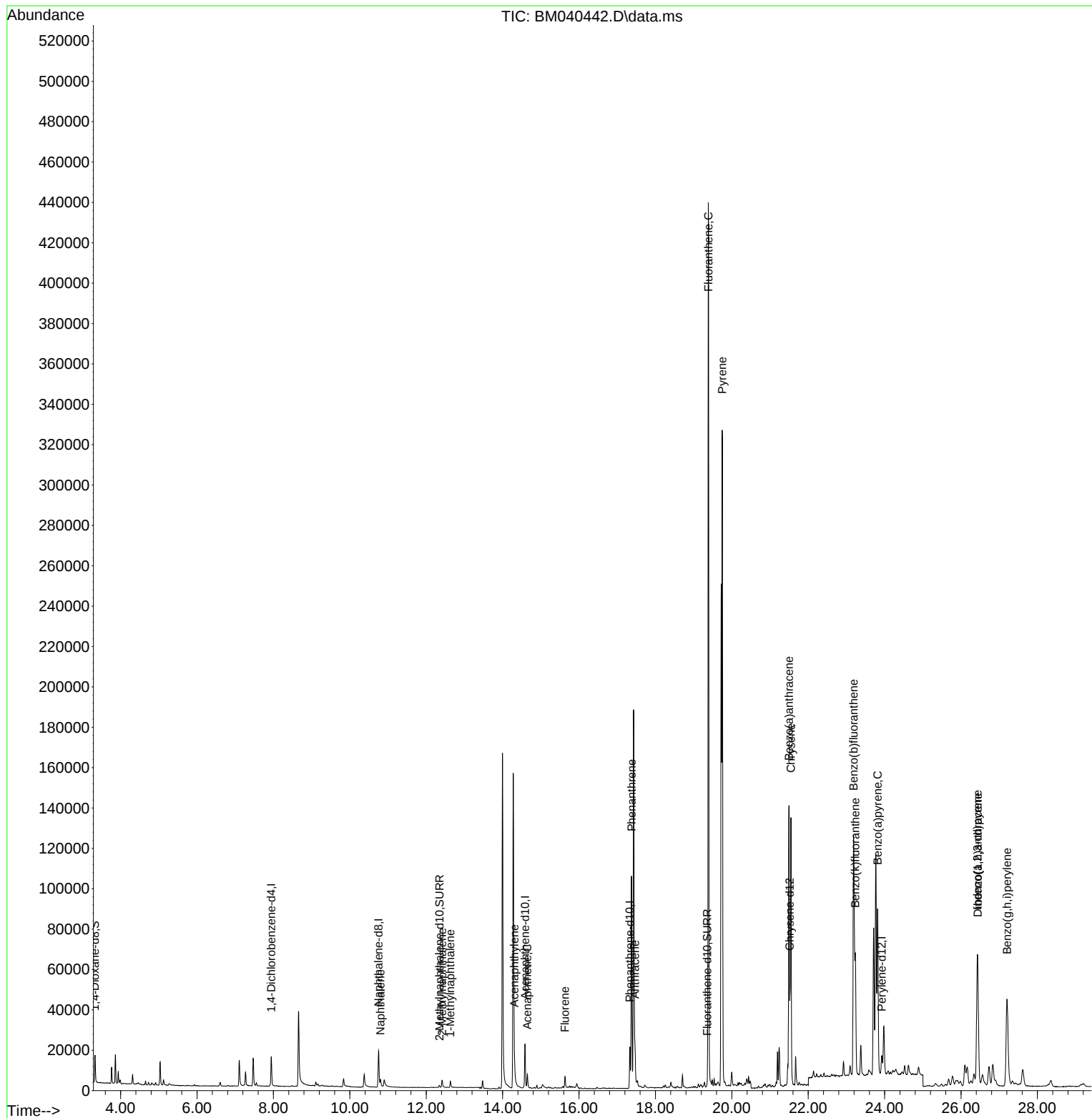
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
Data File : BM040442.D
Acq On : 29 Jun 2023 17:57
Operator : MA/JU
Sample : 03143-12DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

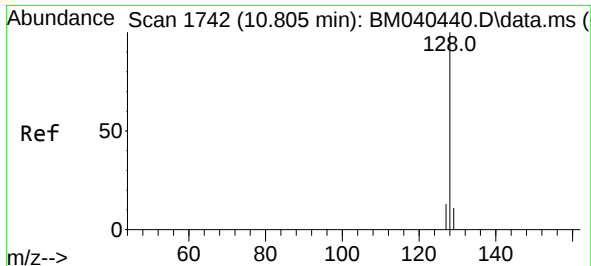
Instrument :
BNA_M
ClientSampleId :
DCFU9DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

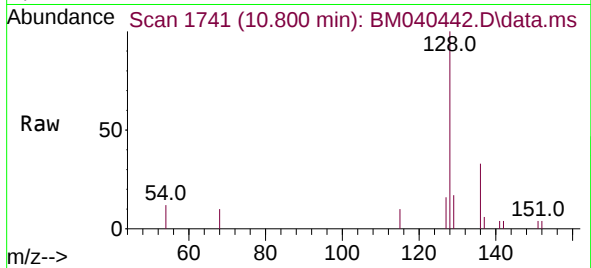
Quant Time: Jun 30 03:06:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.063 ng/u1
RT: 10.800 min Scan# 1742
Delta R.T. -0.011 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

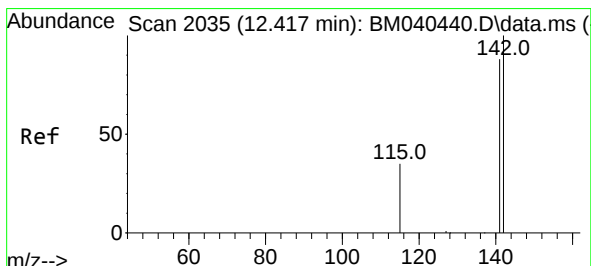
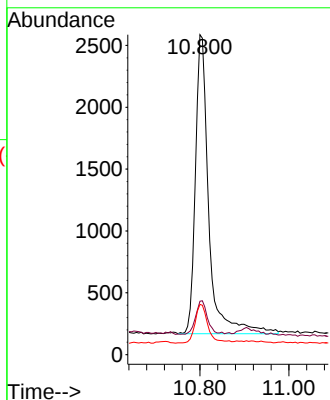
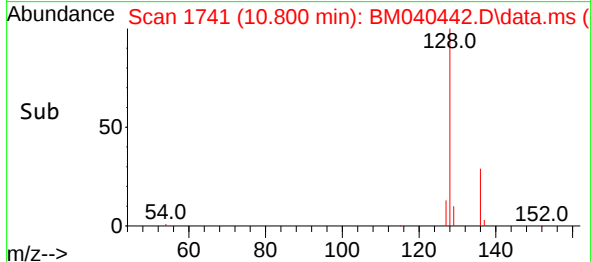
Instrument :
BNA_M
ClientSampleId :
DCFU9DL



Tgt Ion:128 Resp: 5050
Ion Ratio Lower Upper
128 100
129 16.7 9.2 13.8
127 15.7 10.6 15.8

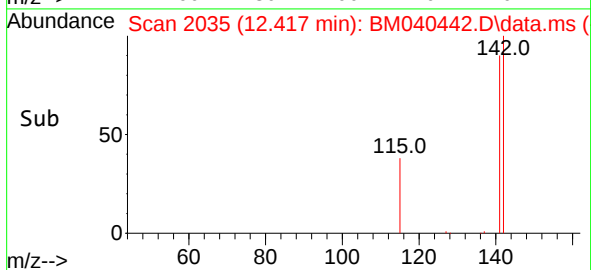
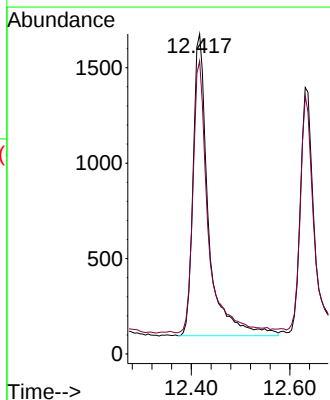
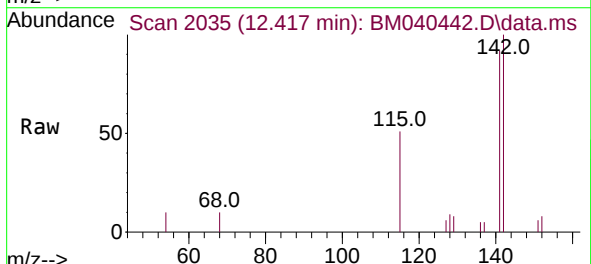
Manual Integrations
APPROVED

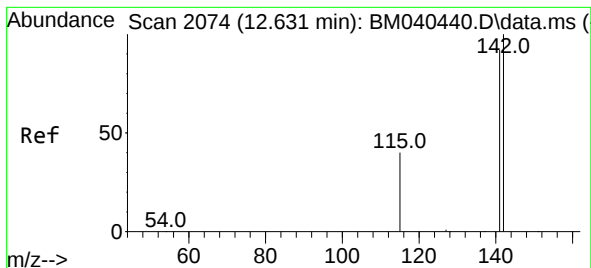
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#7
2-Methylnaphthalene
Concen: 0.072 ng/u1
RT: 12.417 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

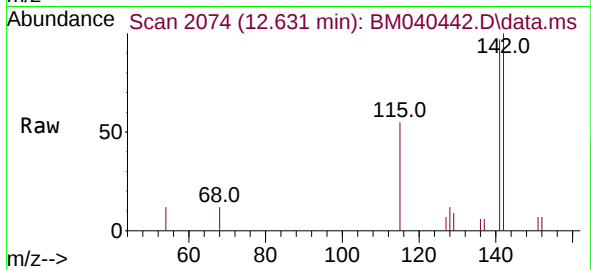
Tgt Ion:142 Resp: 3401
Ion Ratio Lower Upper
142 100
141 90.1 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.631 min Scan# 2074
Delta R.T. -0.011 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

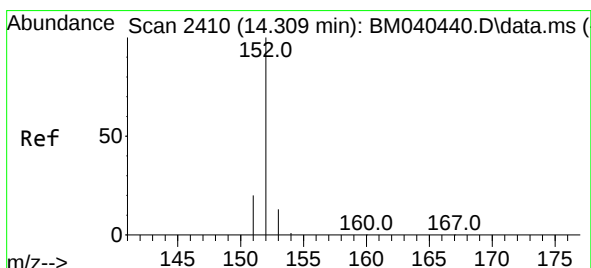
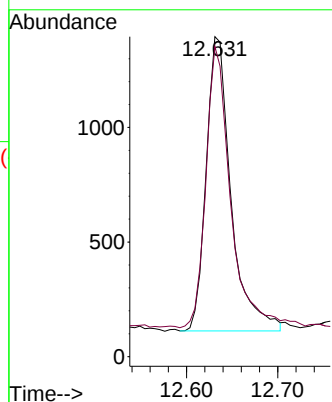
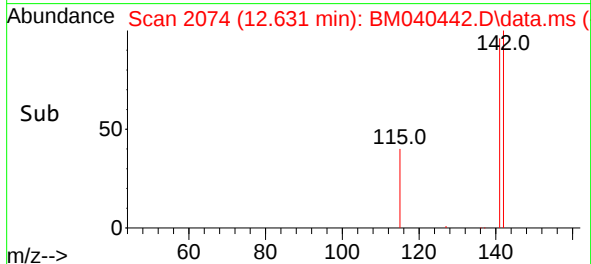
Instrument :
BNA_M
ClientSampleId :
DCFU9DL



Tgt Ion:142 Resp: 243
Ion Ratio Lower Upper
142 100
141 93.7 73.7 110.5

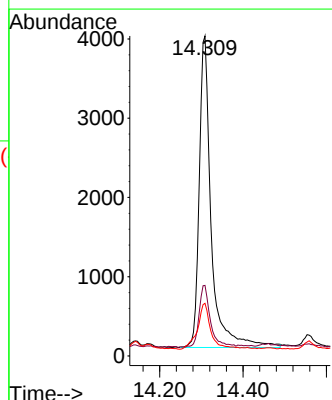
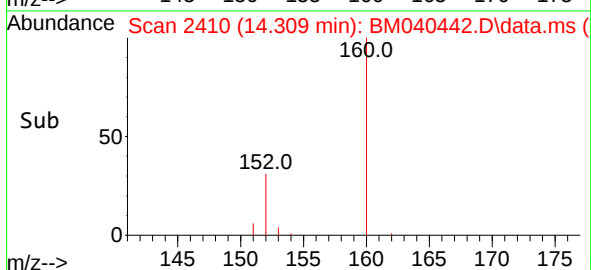
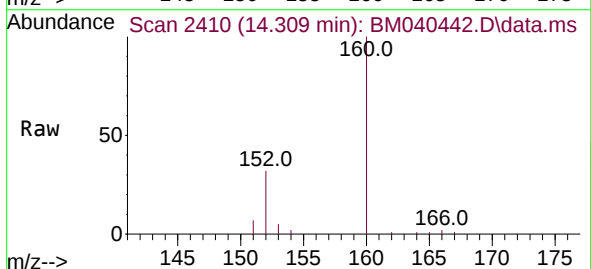
Manual Integrations
APPROVED

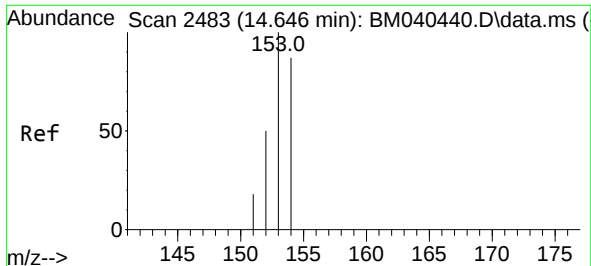
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#10
Acenaphthylene
Concen: 0.132 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

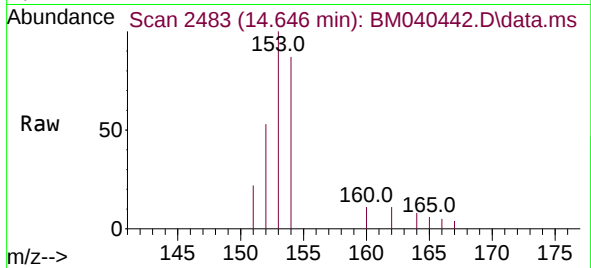
Tgt Ion:152 Resp: 7884
Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.2
153 16.5 10.9 16.3#





#11
Acenaphthene
Concen: 0.084 ng/ul
RT: 14.646 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

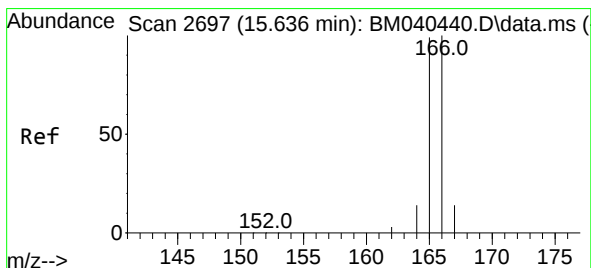
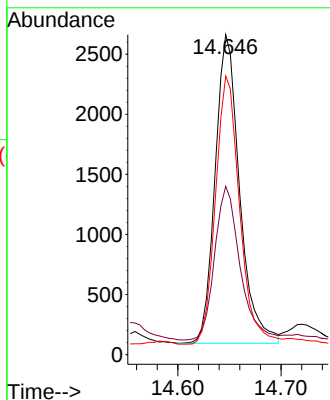
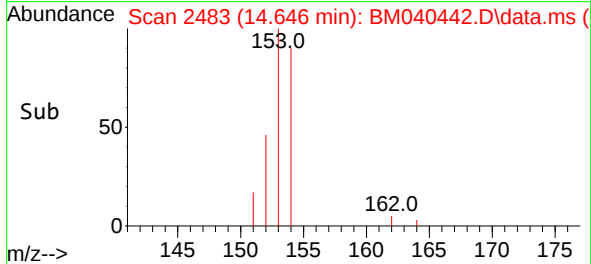
Instrument :
BNA_M
ClientSampleId :
DCFU9DL



Tgt Ion:153 Resp: 4240
Ion Ratio Lower Upper
153 100
152 52.6 41.0 61.4
154 87.1 70.8 106.2

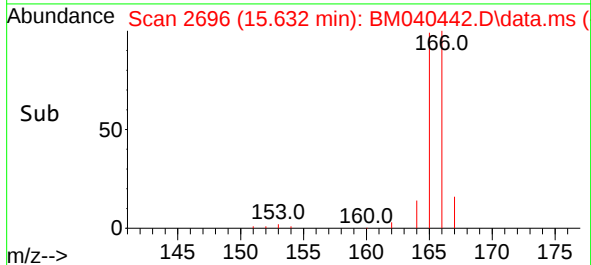
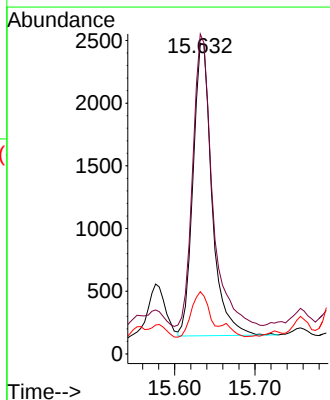
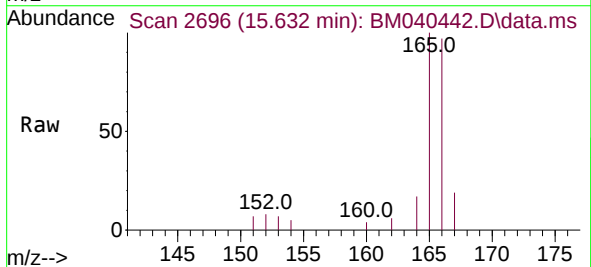
Manual Integrations
APPROVED

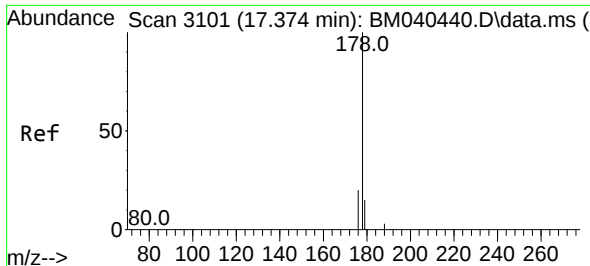
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#12
Fluorene
Concen: 0.071 ng/ul
RT: 15.632 min Scan# 2696
Delta R.T. -0.009 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

Tgt Ion:166 Resp: 3819
Ion Ratio Lower Upper
166 100
165 103.0 79.6 119.4
167 20.0 11.4 17.0#





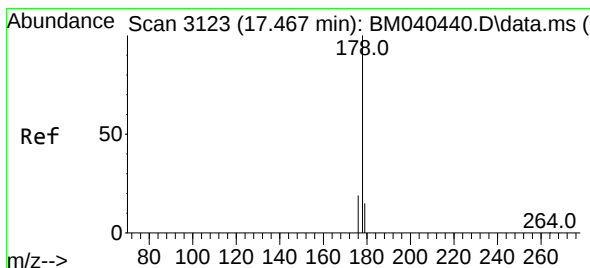
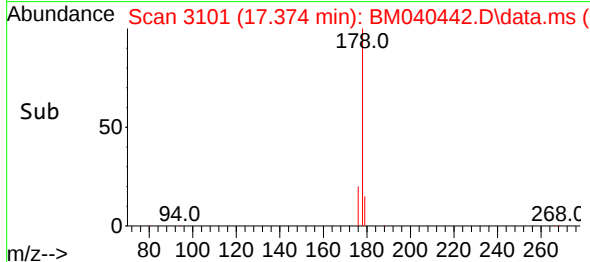
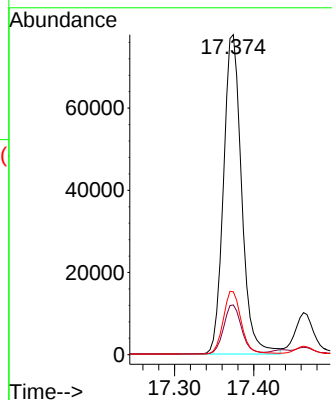
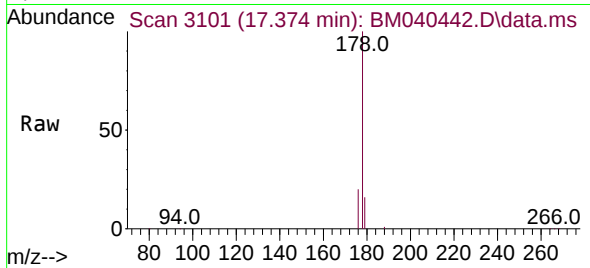
#15
Phenanthrene
Concen: 1.563 ng/u1
RT: 17.374 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

Instrument :
BNA_M
ClientSampleId :
DCFU9DL

Tgt Ion:178 Resp: 123752
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 19.6 16.4 24.6

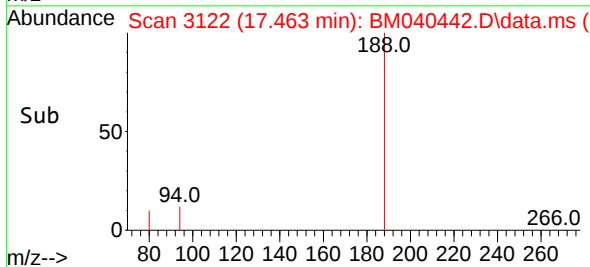
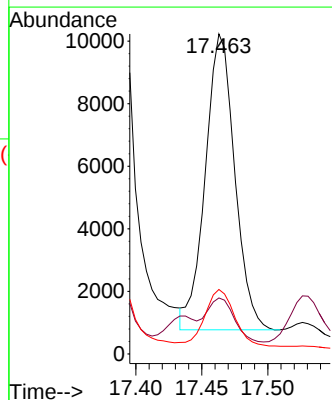
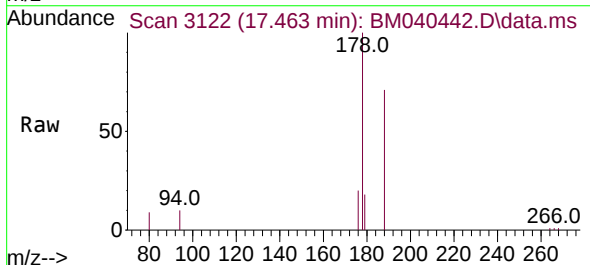
Manual Integrations
APPROVED

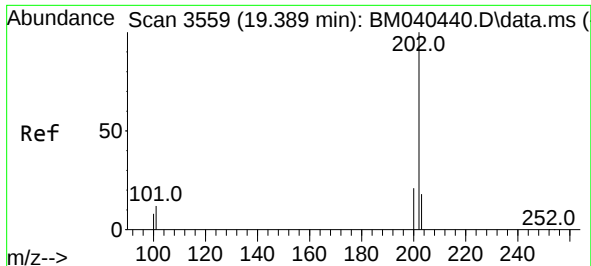
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#16
Anthracene
Concen: 0.220 ng/u1
RT: 17.463 min Scan# 3122
Delta R.T. -0.009 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

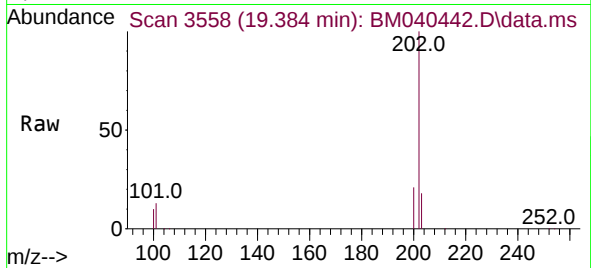
Tgt Ion:178 Resp: 14663
Ion Ratio Lower Upper
178 100
179 17.5 12.9 19.3
176 20.1 15.8 23.6





#19
Fluoranthene
Concen: 6.581 ng/u1
RT: 19.384 min Scan# 3558
Delta R.T. -0.005 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

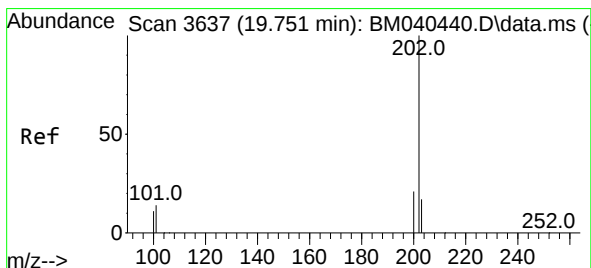
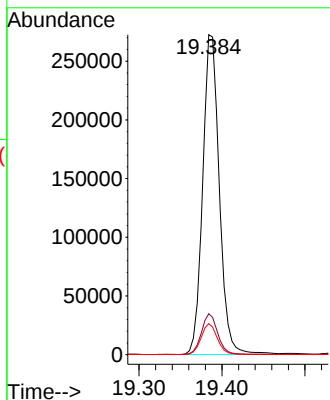
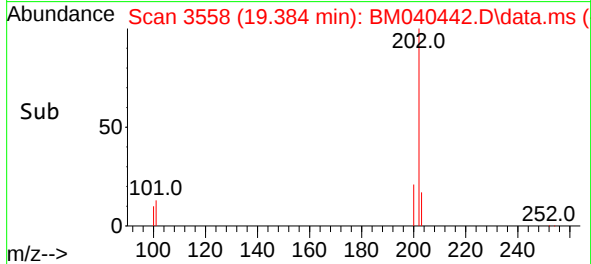
Instrument :
BNA_M
ClientSampleId :
DCFU9DL



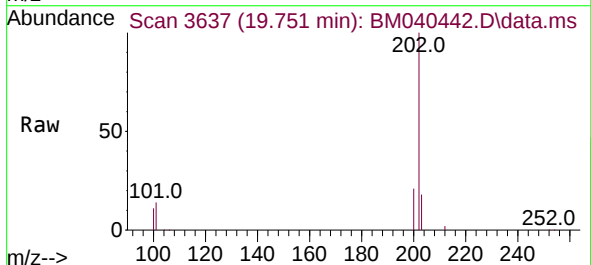
Tgt Ion:202 Resp: 38018
Ion Ratio Lower Upper
202 100
101 12.8 11.4 17.0
100 9.7 8.7 13.1

Manual Integrations
APPROVED

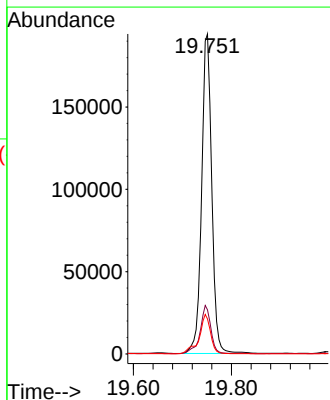
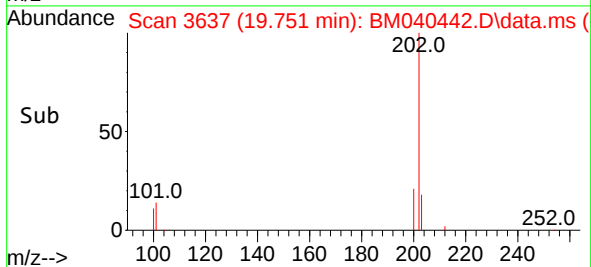
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

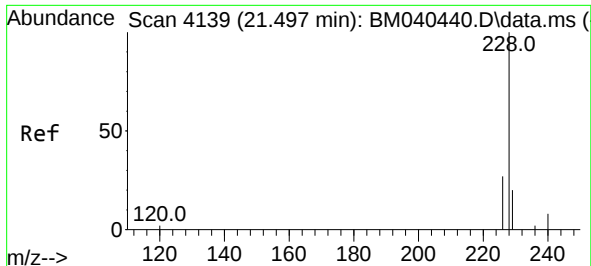


#20
Pyrene
Concen: 4.506 ng/u1
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57



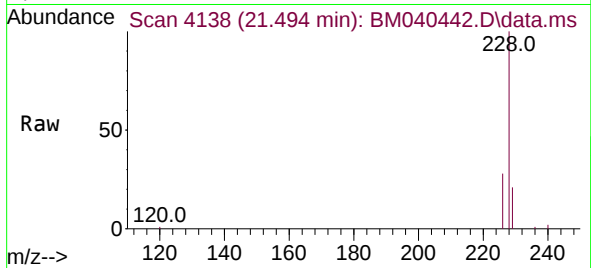
Tgt Ion:202 Resp: 279033
Ion Ratio Lower Upper
202 100
101 13.8 12.6 18.8
100 11.0 9.8 14.6





#21
Benzo(a)anthracene
Concen: 2.587 ng/ul
RT: 21.494 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

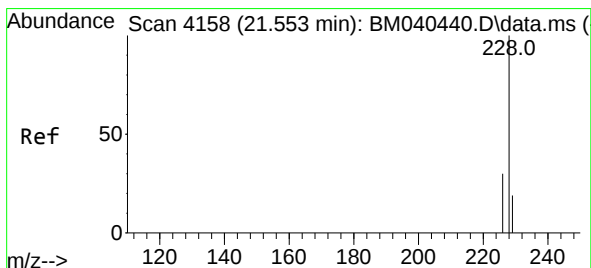
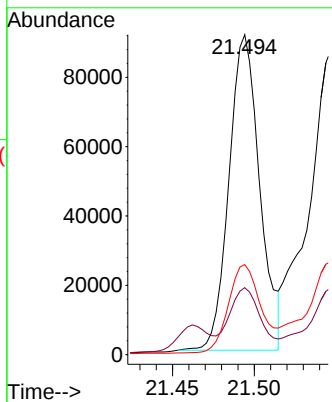
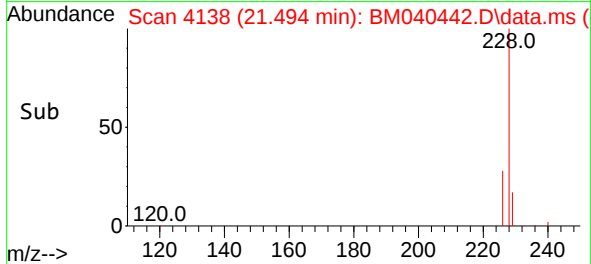
Instrument :
BNA_M
ClientSampleId :
DCFU9DL



Tgt Ion:228 Resp: 119015
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.2 22.3 33.5

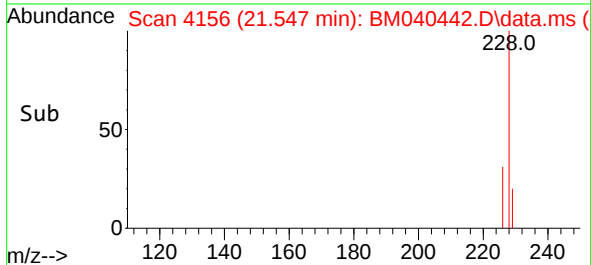
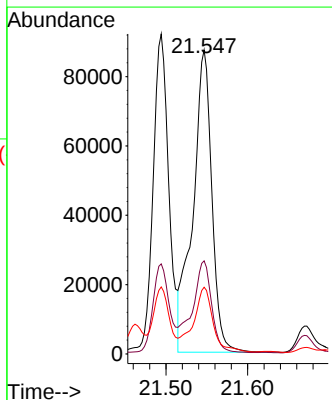
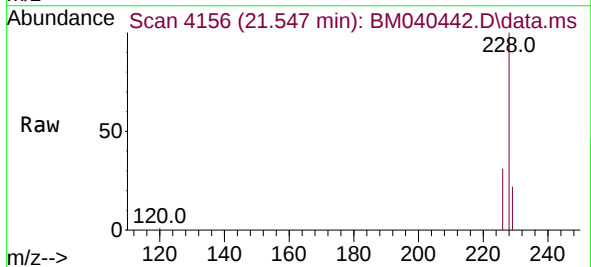
Manual Integrations
APPROVED

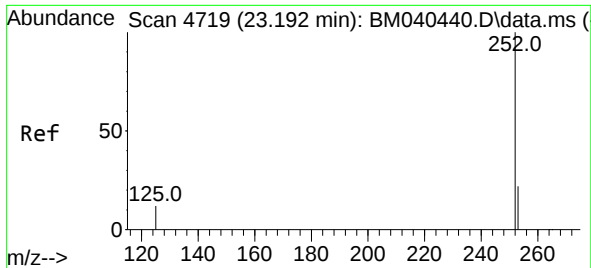
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#22
Chrysene
Concen: 2.687 ng/ul
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

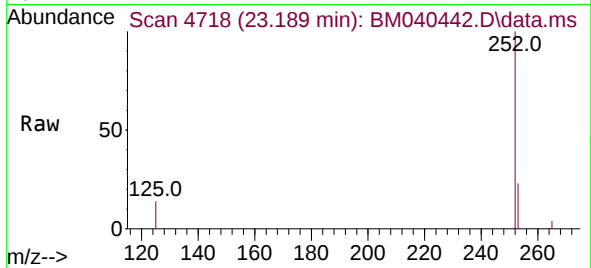
Tgt Ion:228 Resp: 140998
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 21.9 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 4.019 ng/ul
RT: 23.189 min Scan# 4718
Delta R.T. -0.003 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

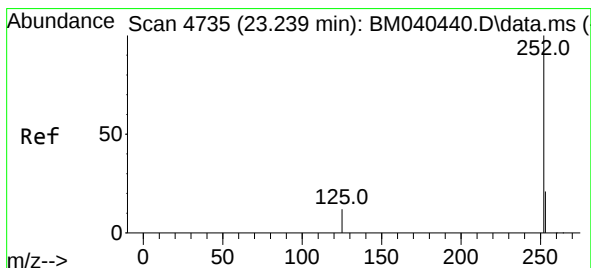
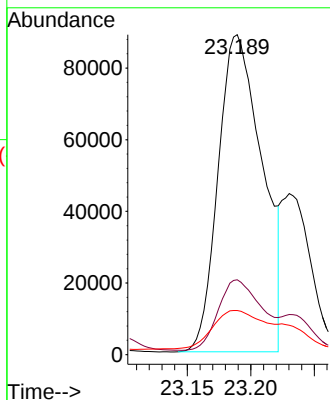
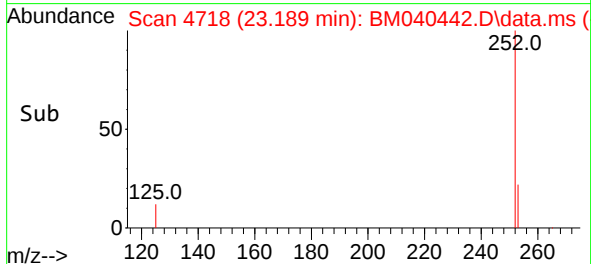
Instrument :
BNA_M
ClientSampleId :
DCFU9DL



Tgt Ion:252 Resp: 213434
Ion Ratio Lower Upper
252 100
253 23.4 0.0 52.8
125 13.8 0.0 43.0

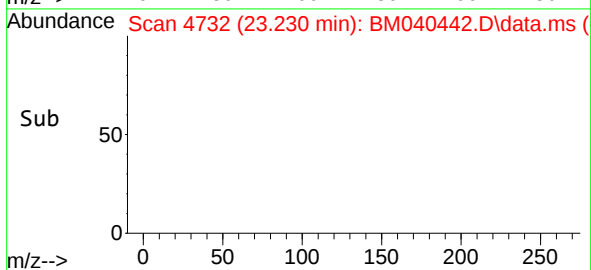
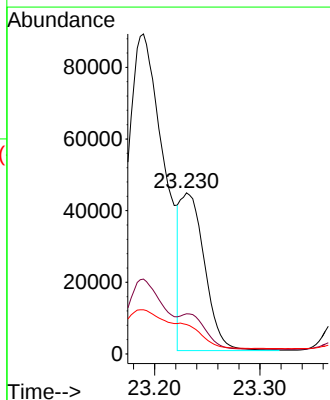
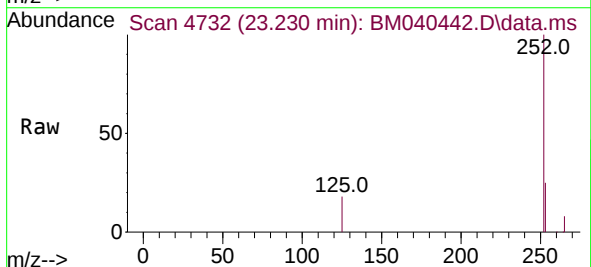
Manual Integrations
APPROVED

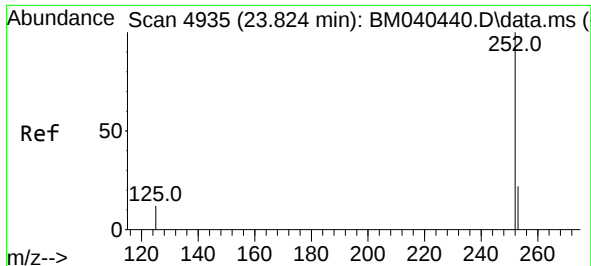
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#25
Benzo(k)fluoranthene
Concen: 1.360 ng/ul m
RT: 23.230 min Scan# 4732
Delta R.T. -0.012 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

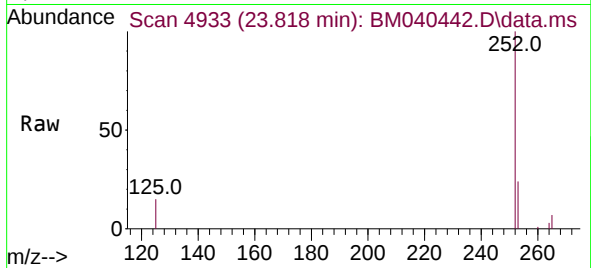
Tgt Ion:252 Resp: 71190
Ion Ratio Lower Upper
252 100
253 24.9 21.2 31.8
125 18.3 16.4 24.6





#26
Benzo(a)pyrene
Concen: 2.625 ng/ul
RT: 23.818 min Scan# 4933
Delta R.T. -0.006 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

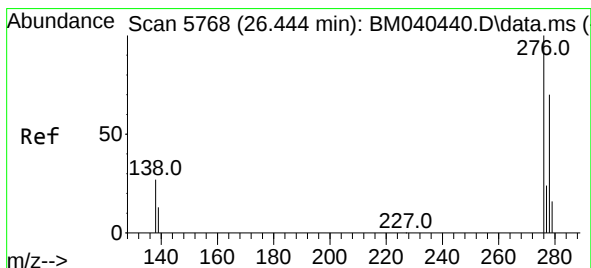
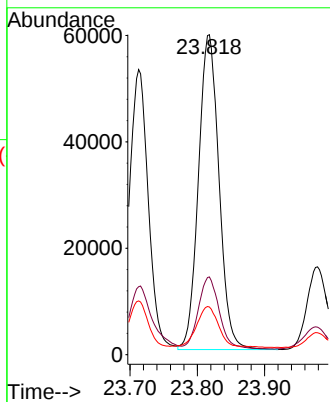
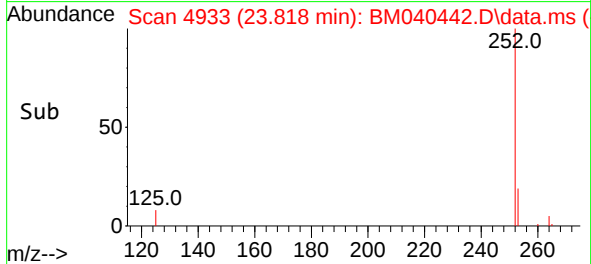
Instrument :
BNA_M
ClientSampleId :
DCFU9DL



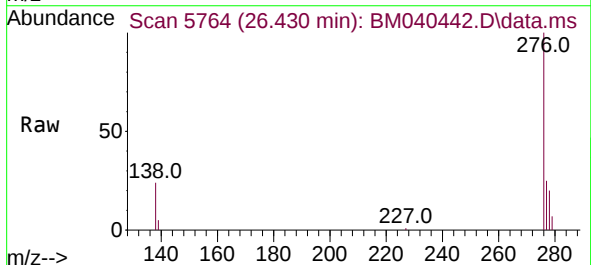
Tgt Ion:252 Resp: 125574
Ion Ratio Lower Upper
252 100
253 24.3 22.9 34.3
125 14.9 21.0 31.4

Manual Integrations
APPROVED

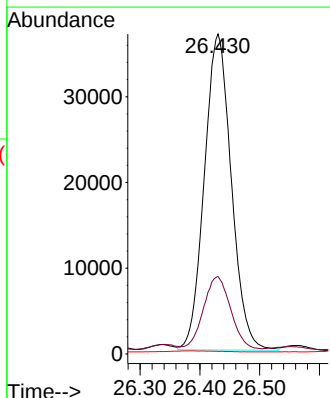
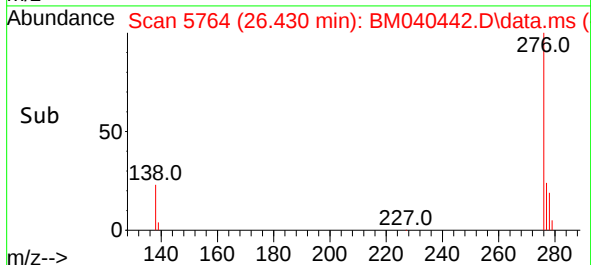
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

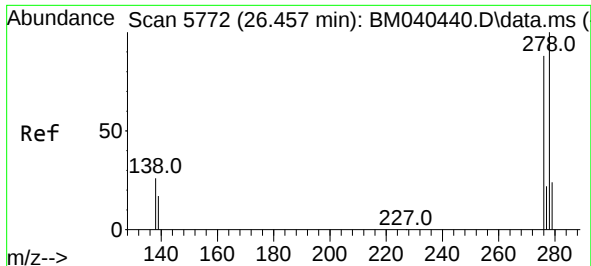


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.734 ng/ul
RT: 26.430 min Scan# 5764
Delta R.T. -0.004 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57



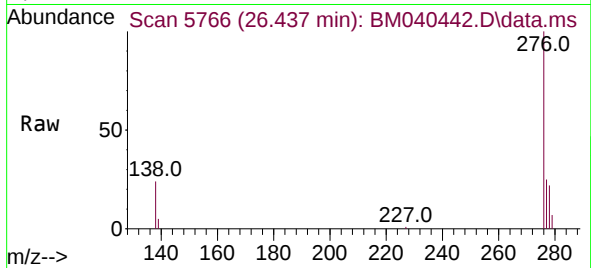
Tgt Ion:276 Resp: 115516
Ion Ratio Lower Upper
276 100
138 23.4 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.518 ng/ul
RT: 26.437 min Scan# 51
Delta R.T. -0.017 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

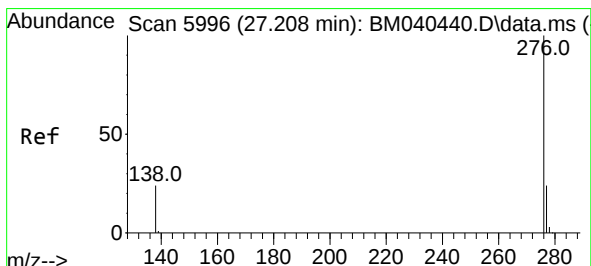
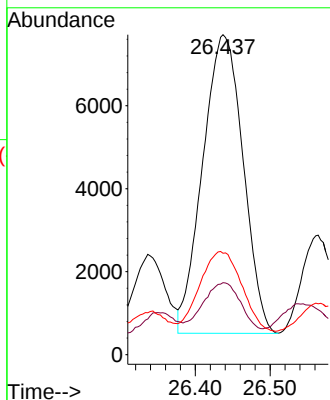
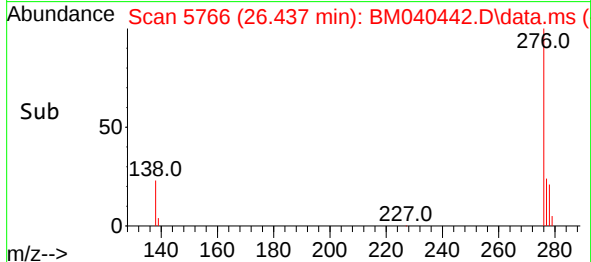
Instrument :
BNA_M
ClientSampleId :
DCFU9DL



Tgt Ion:278 Resp: 27034
Ion Ratio Lower Upper
278 100
139 22.5 17.9 26.9
279 31.7 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#29
Benzo(g,h,i)perylene
Concen: 1.813 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. -0.004 min
Lab File: BM040442.D
Acq: 29 Jun 2023 17:57

Tgt Ion:276 Resp: 105873
Ion Ratio Lower Upper
276 100
138 25.1 23.0 34.6
277 24.6 20.3 30.5

