

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
 Data File : BM040444.D
 Acq On : 29 Jun 2023 19:12
 Operator : MA/JU
 Sample : 03143-01DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFU0DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 30 03:06:56 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	6846	0.400	ng/ul	0.00
4) Naphthalene-d8	10.751	136	25174	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.586	164	11761	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	22441	0.400	ng/ul	0.00
17) Chrysene-d12	21.512	240	12420	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	11939	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	6295	0.585	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	1526	0.043	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	2167	0.054	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.800	128	2836	0.041	ng/ul#	83
7) 2-Methylnaphthalene	12.417	142	1098	0.027	ng/ul	95
8) 1-Methylnaphthalene	12.631	142	864	0.021	ng/ul	98
10) Acenaphthylene	14.304	152	4894	0.093	ng/ul#	93
11) Acenaphthene	14.647	153	2186	0.049	ng/ul	98
12) Fluorene	15.632	166	2164	0.046	ng/ul#	94
15) Phenanthrene	17.374	178	63673	0.913	ng/ul	99
16) Anthracene	17.463	178	11059	0.189	ng/ul	96
19) Fluoranthene	19.389	202	207704	3.937	ng/ul	94
20) Pyrene	19.751	202	159082	2.813	ng/ul	95
21) Benzo(a)anthracene	21.494	228	72468	1.725	ng/ul	99
22) Chrysene	21.547	228	81627	1.703	ng/ul	99
24) Benzo(b)fluoranthene	23.190	252	124416	2.693	ng/ul	92
25) Benzo(k)fluoranthene	23.233	252	44316m	0.973	ng/ul	
26) Benzo(a)pyrene	23.818	252	72267	1.736	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.430	276	65995	1.139	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.444	278	15230	0.336	ng/ul	94
29) Benzo(g,h,i)perylene	27.202	276	60163	1.184	ng/ul	96

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

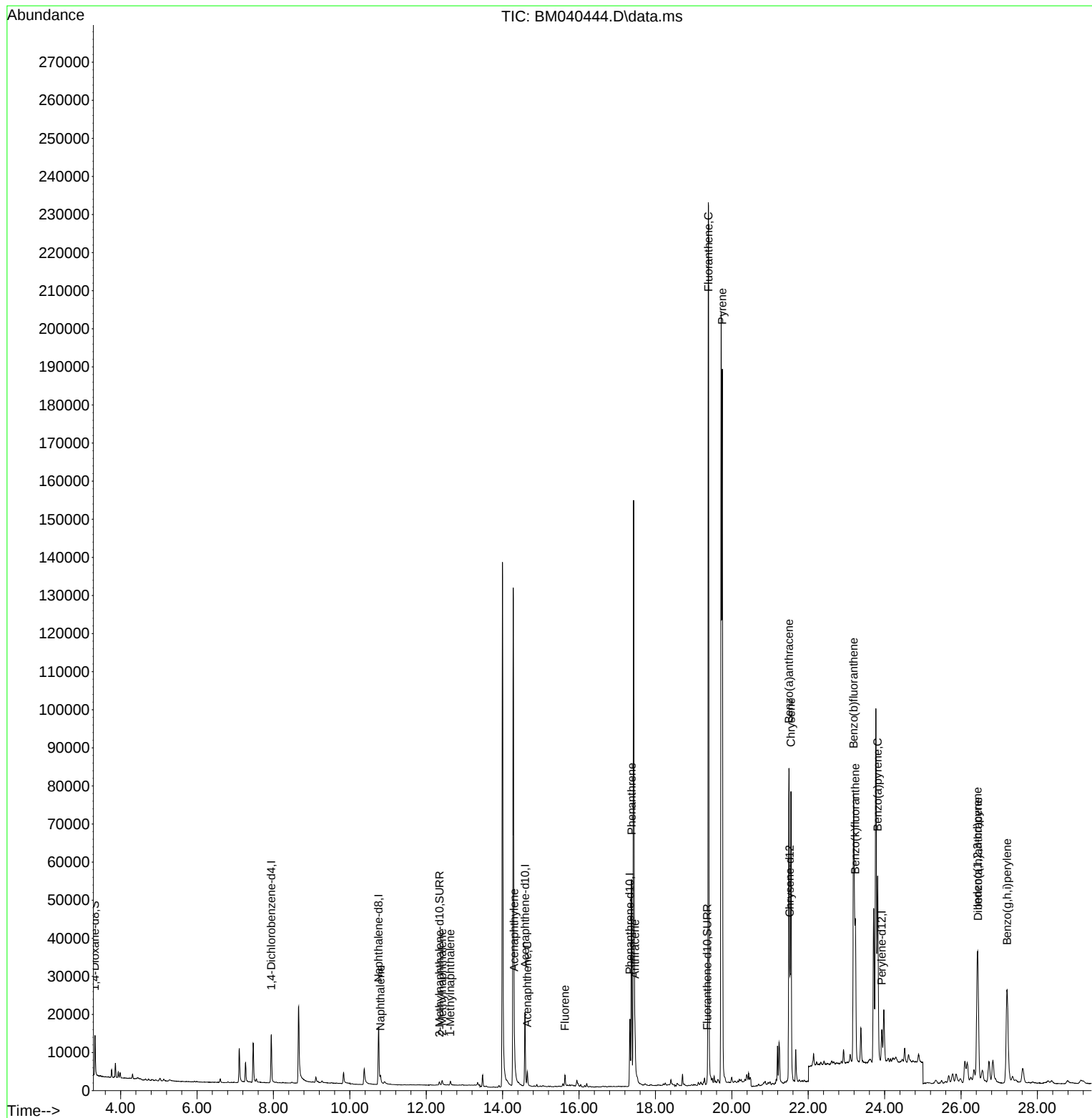
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
Data File : BM040444.D
Acq On : 29 Jun 2023 19:12
Operator : MA/JU
Sample : 03143-01DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

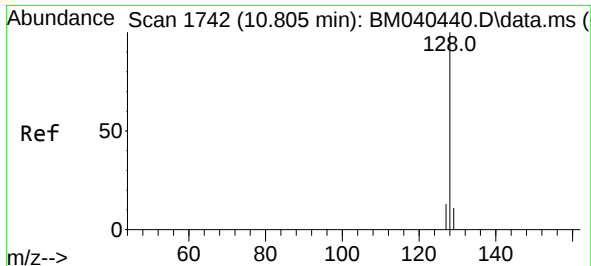
Instrument :
BNA_M
ClientSampleId :
DCFU0DL

Quant Time: Jun 30 03:06:56 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

Manual Integrations
APPROVED

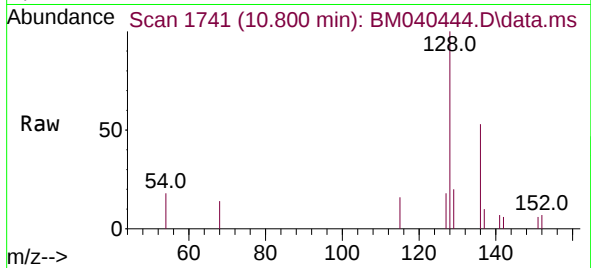
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023





#5
Naphthalene
Concen: 0.041 ng/ul
RT: 10.800 min Scan# 1742
Delta R.T. -0.011 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

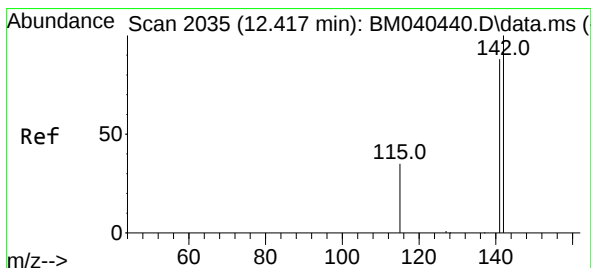
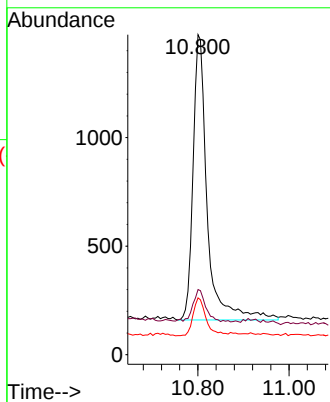
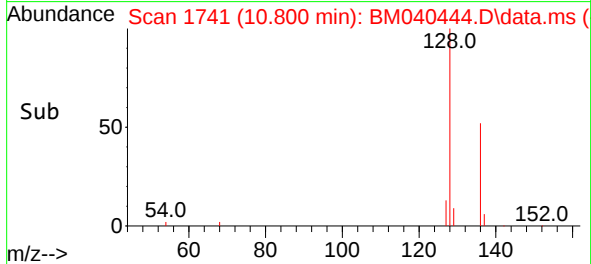
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



Tgt Ion:128 Resp: 2830
Ion Ratio Lower Upper
128 100
129 20.4 9.2 13.8
127 17.8 10.6 15.8

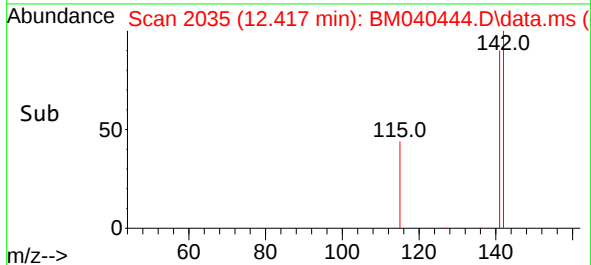
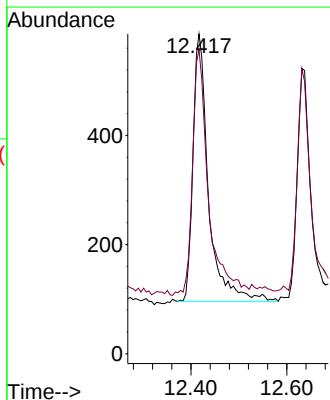
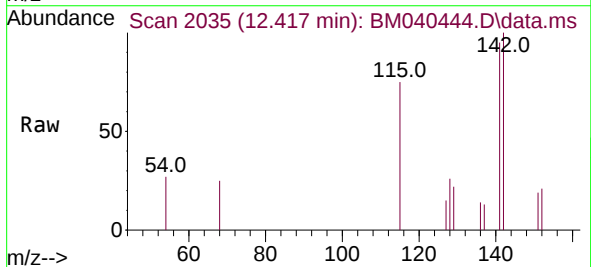
Manual Integrations
APPROVED

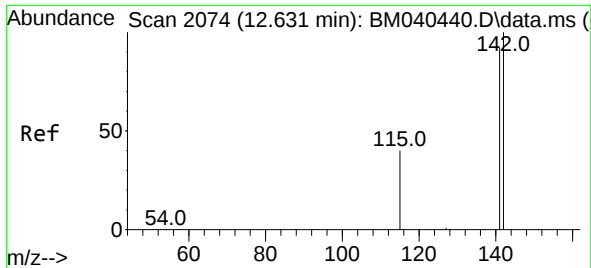
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#7
2-Methylnaphthalene
Concen: 0.027 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

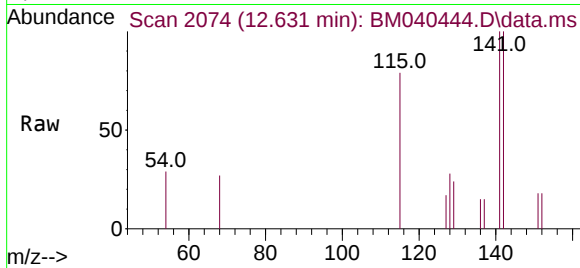
Tgt Ion:142 Resp: 1098
Ion Ratio Lower Upper
142 100
141 94.5 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.631 min Scan# 2074
Delta R.T. -0.011 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

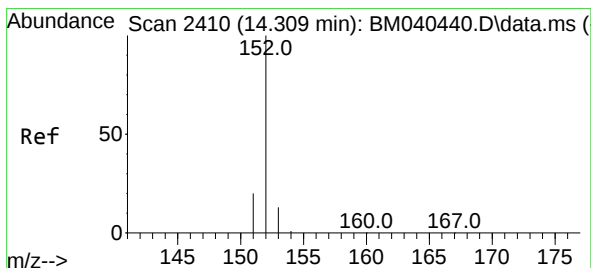
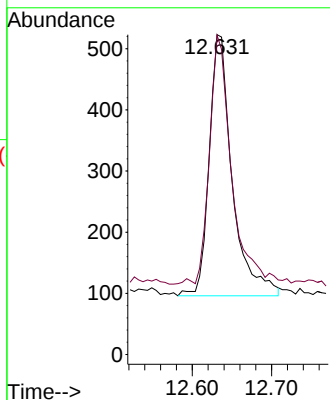
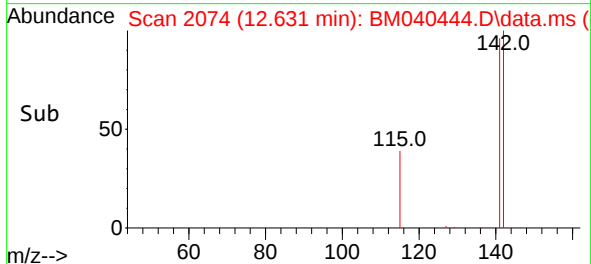
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



Tgt Ion:142 Resp: 864
Ion Ratio Lower Upper
142 100
141 90.6 73.7 110.5

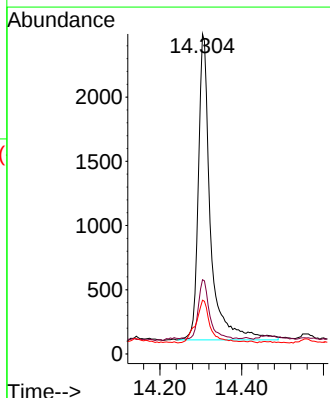
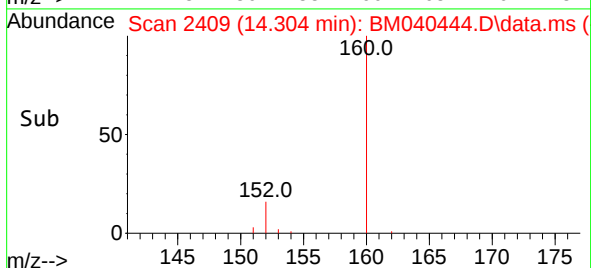
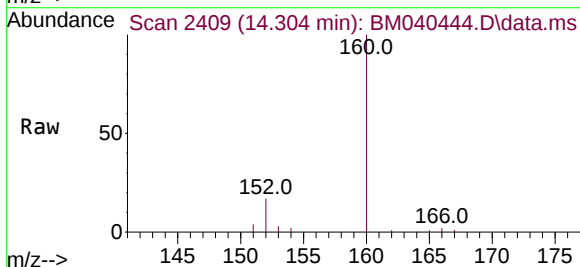
Manual Integrations
APPROVED

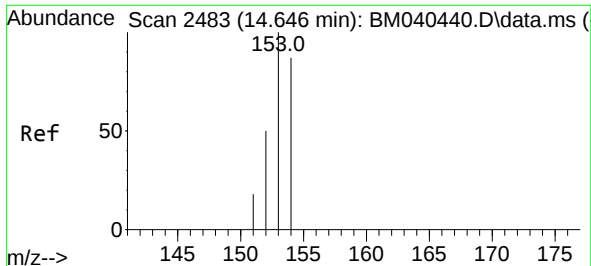
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#10
Acenaphthylene
Concen: 0.093 ng/ul
RT: 14.304 min Scan# 2409
Delta R.T. -0.009 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

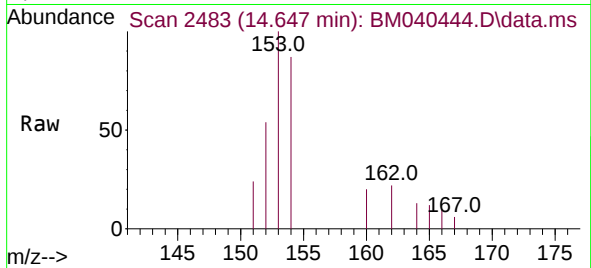
Tgt Ion:152 Resp: 4894
Ion Ratio Lower Upper
152 100
151 23.2 16.2 24.2
153 16.8 10.9 16.3#





#11
Acenaphthene
Concen: 0.049 ng/u1
RT: 14.647 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

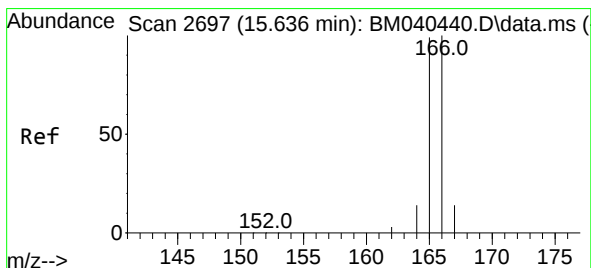
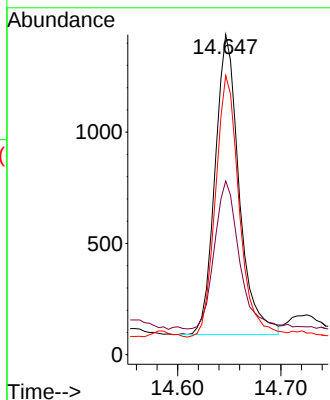
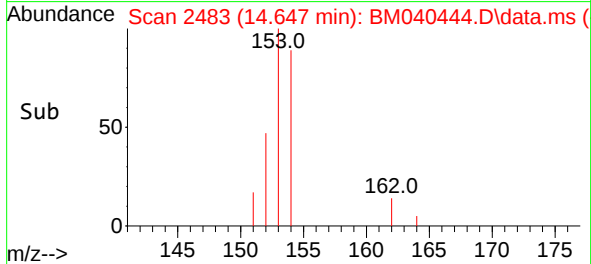
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



Tgt Ion:153 Resp: 2180
Ion Ratio Lower Upper
153 100
152 54.3 41.0 61.4
154 87.3 70.8 106.2

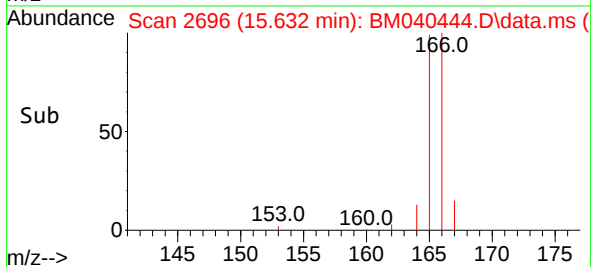
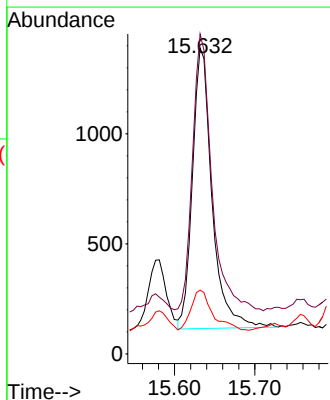
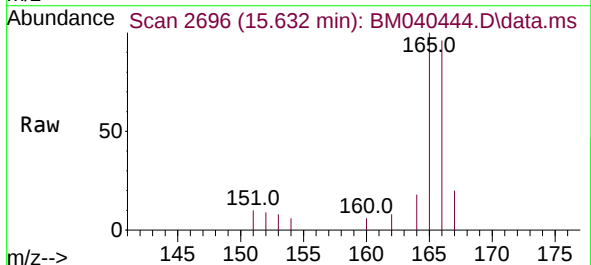
Manual Integrations
APPROVED

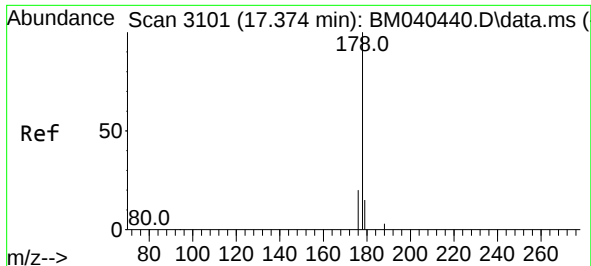
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#12
Fluorene
Concen: 0.046 ng/u1
RT: 15.632 min Scan# 2696
Delta R.T. -0.009 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

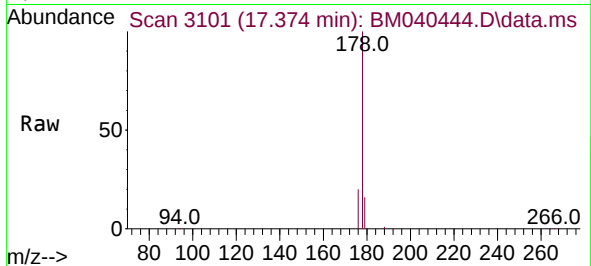
Tgt Ion:166 Resp: 2164
Ion Ratio Lower Upper
166 100
165 104.5 79.6 119.4
167 20.8 11.4 17.0#





#15
Phenanthrene
Concen: 0.913 ng/ul
RT: 17.374 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

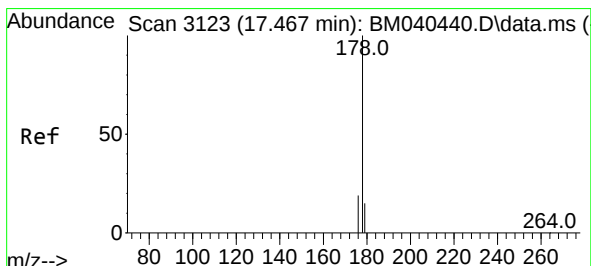
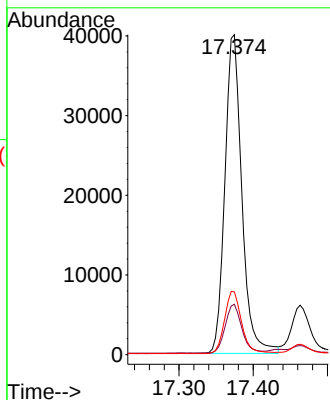
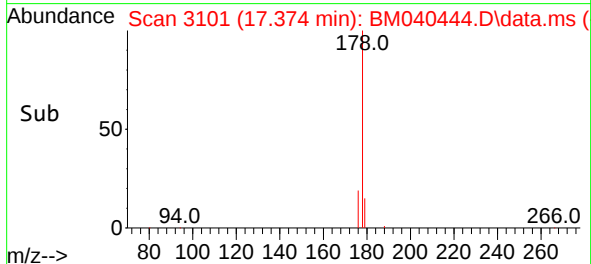
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



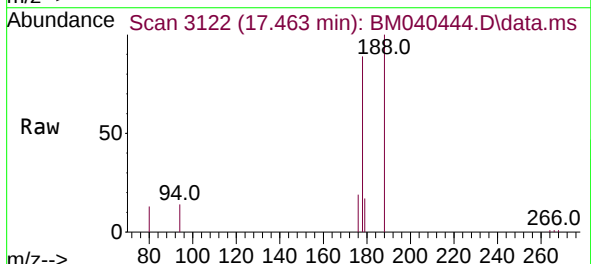
Tgt Ion:178 Resp: 6367
Ion Ratio Lower Upper
178 100
179 15.8 12.8 19.2
176 19.6 16.4 24.6

Manual Integrations
APPROVED

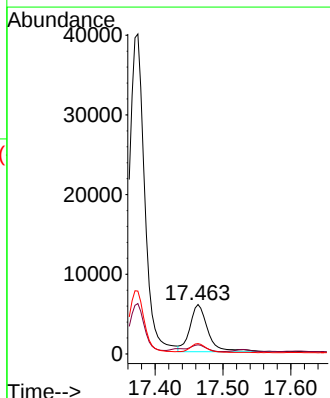
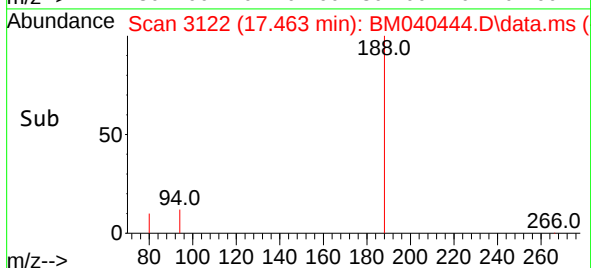
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

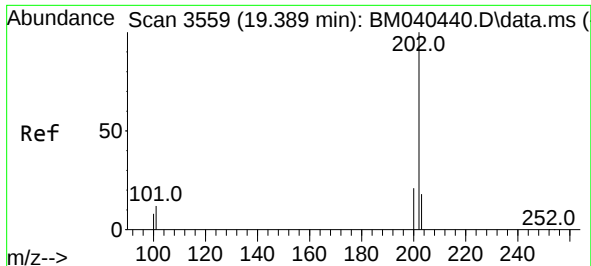


#16
Anthracene
Concen: 0.189 ng/ul
RT: 17.463 min Scan# 3122
Delta R.T. -0.008 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12



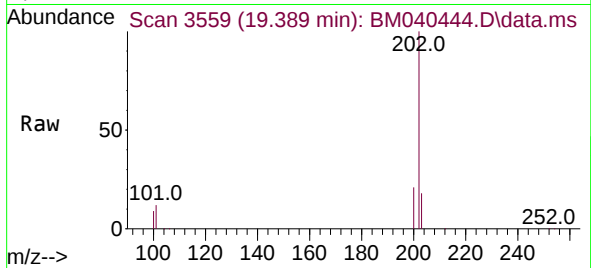
Tgt Ion:178 Resp: 11059
Ion Ratio Lower Upper
178 100
179 18.5 12.9 19.3
176 21.1 15.8 23.6





#19
Fluoranthene
Concen: 3.937 ng/ul
RT: 19.389 min Scan# 3559
Delta R.T. -0.000 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

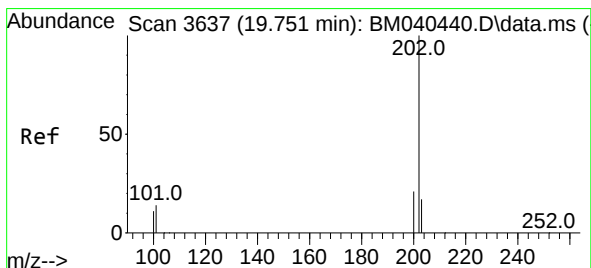
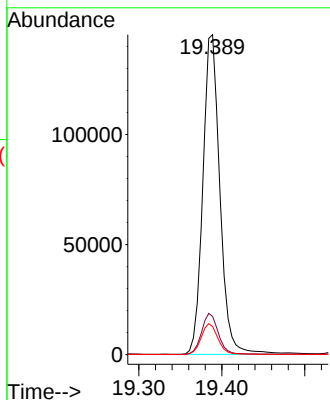
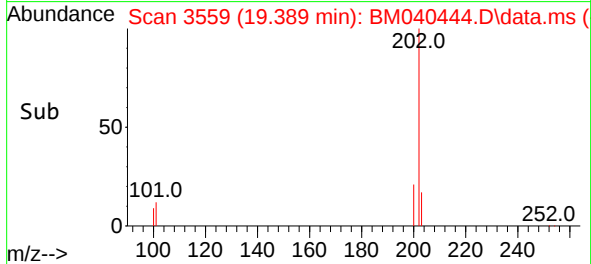
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



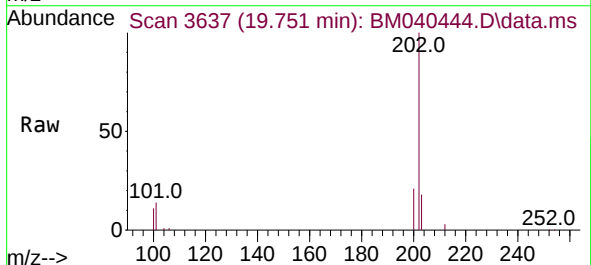
Tgt Ion:202 Resp: 207704
Ion Ratio Lower Upper
202 100
101 11.9 11.4 17.0
100 8.8 8.7 13.1

Manual Integrations
APPROVED

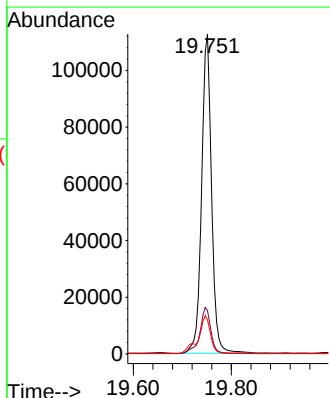
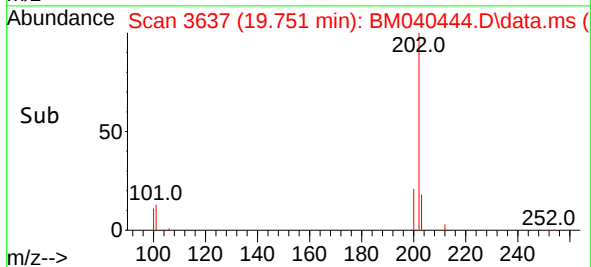
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

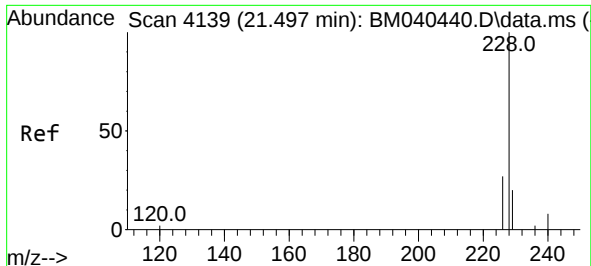


#20
Pyrene
Concen: 2.813 ng/ul
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12



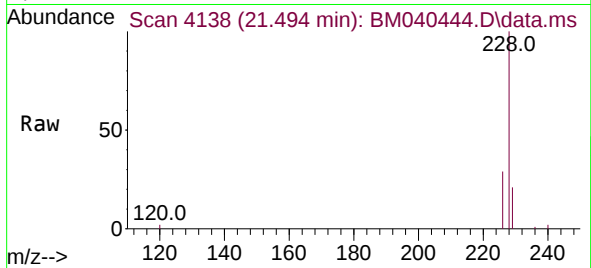
Tgt Ion:202 Resp: 159082
Ion Ratio Lower Upper
202 100
101 13.6 12.6 18.8
100 10.7 9.8 14.6





#21
Benzo(a)anthracene
Concen: 1.725 ng/ul
RT: 21.494 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

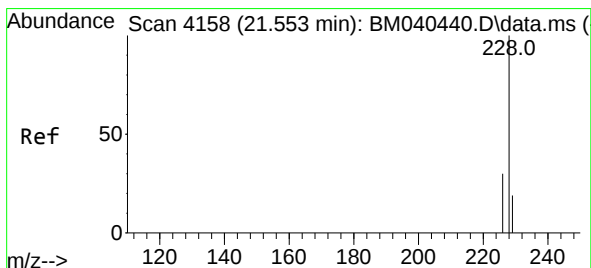
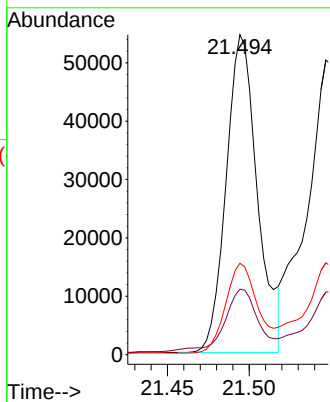
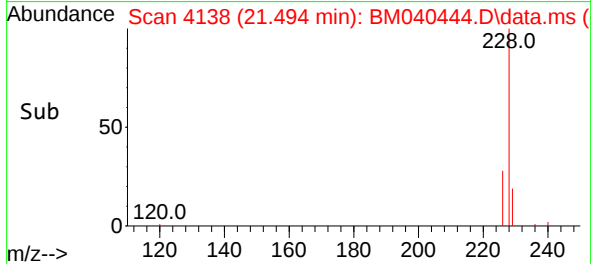
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



Tgt Ion:228 Resp: 72468
Ion Ratio Lower Upper
228 100
229 20.5 16.0 24.0
226 28.6 22.3 33.5

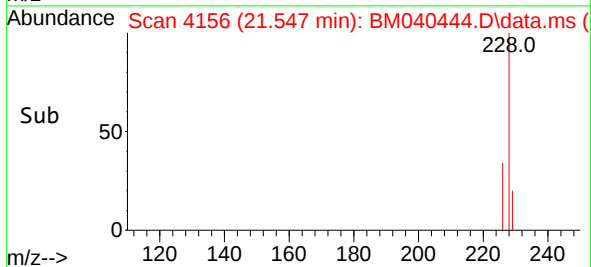
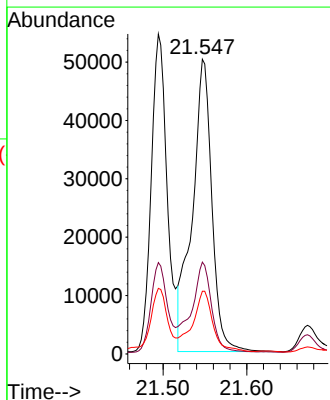
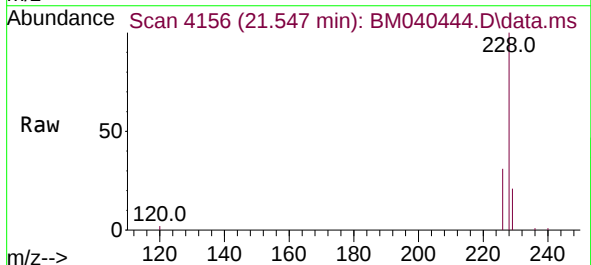
Manual Integrations
APPROVED

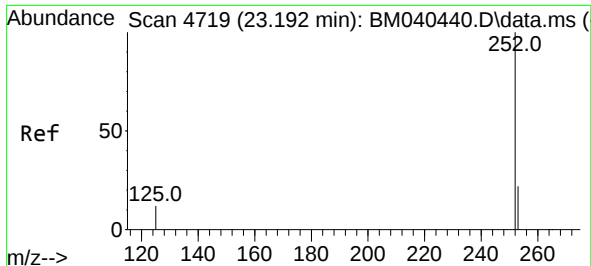
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#22
Chrysene
Concen: 1.703 ng/ul
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

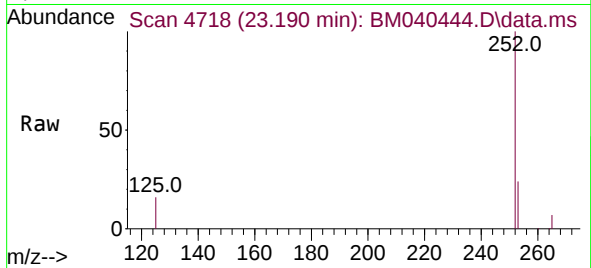
Tgt Ion:228 Resp: 81627
Ion Ratio Lower Upper
228 100
226 31.2 24.9 37.3
229 21.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.693 ng/ul
RT: 23.190 min Scan# 4719
Delta R.T. -0.003 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

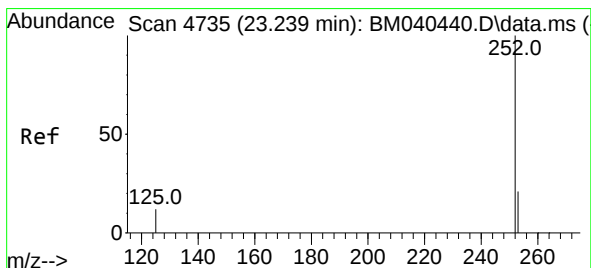
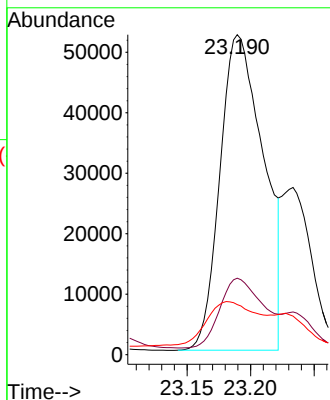
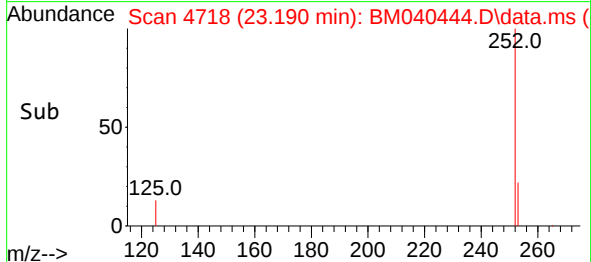
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



Tgt Ion:252 Resp: 124410
Ion Ratio Lower Upper
252 100
253 23.9 0.0 52.8
125 15.6 0.0 43.0

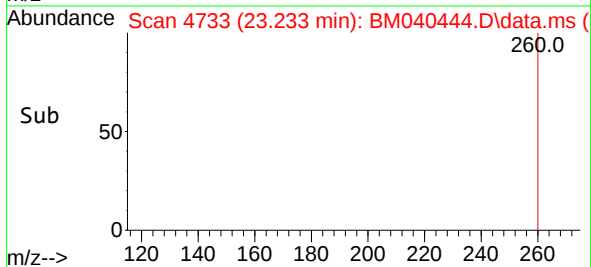
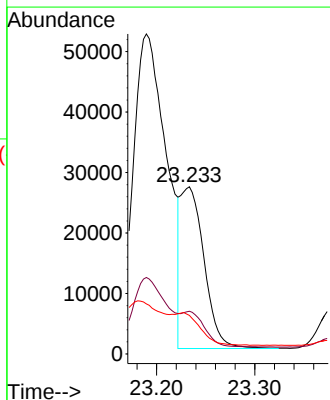
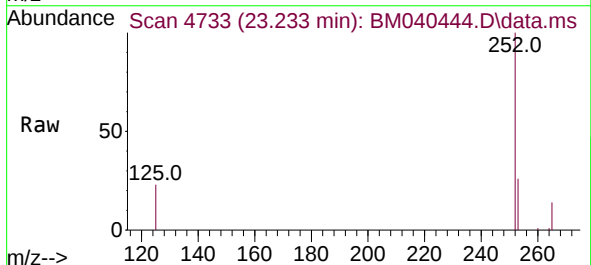
Manual Integrations
APPROVED

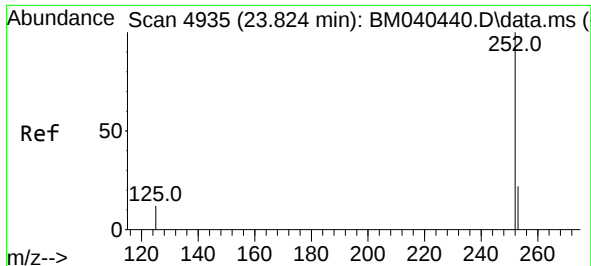
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#25
Benzo(k)fluoranthene
Concen: 0.973 ng/ul m
RT: 23.233 min Scan# 4733
Delta R.T. -0.009 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

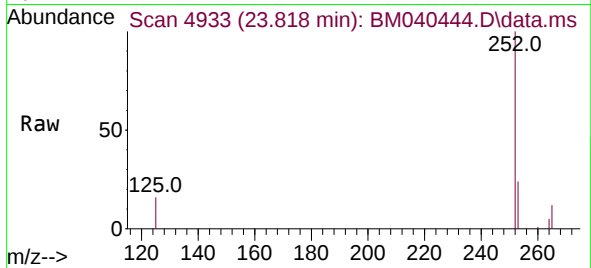
Tgt Ion:252 Resp: 44316
Ion Ratio Lower Upper
252 100
253 25.6 21.2 31.8
125 23.1 16.4 24.6





#26
Benzo(a)pyrene
Concen: 1.736 ng/ul
RT: 23.818 min Scan# 4933
Delta R.T. -0.006 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

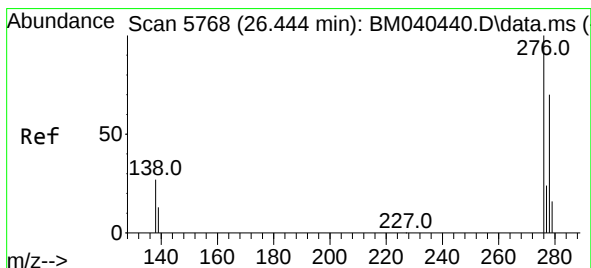
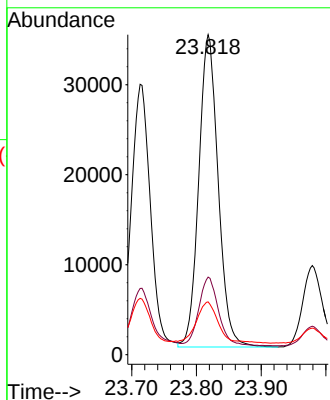
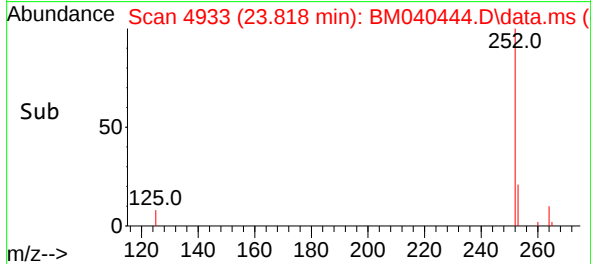
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



Tgt Ion:252 Resp: 7226
Ion Ratio Lower Upper
252 100
253 24.3 22.9 34.3
125 16.5 21.0 31.4

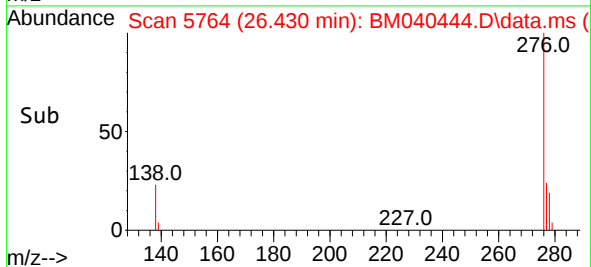
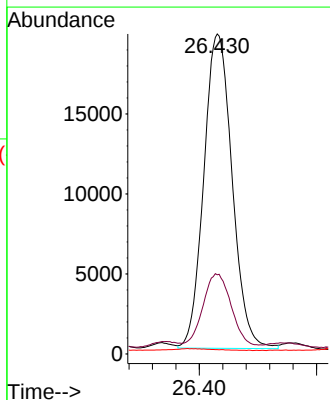
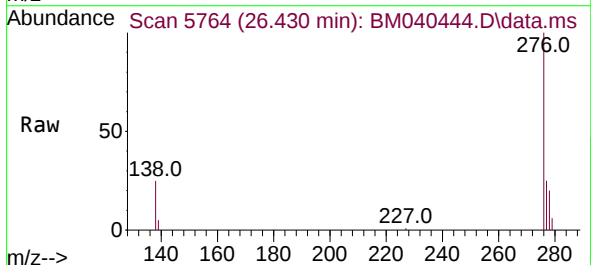
Manual Integrations
APPROVED

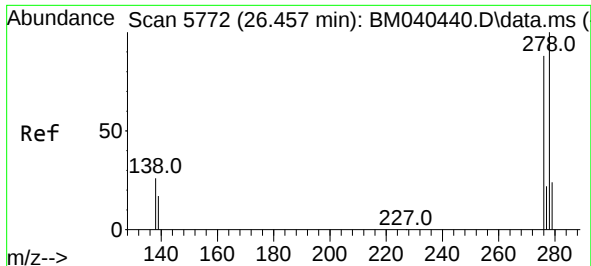
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.139 ng/ul
RT: 26.430 min Scan# 5764
Delta R.T. -0.003 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

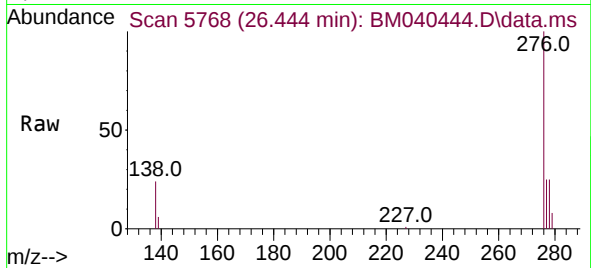
Tgt Ion:276 Resp: 65995
Ion Ratio Lower Upper
276 100
138 23.8 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.336 ng/ul
RT: 26.444 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

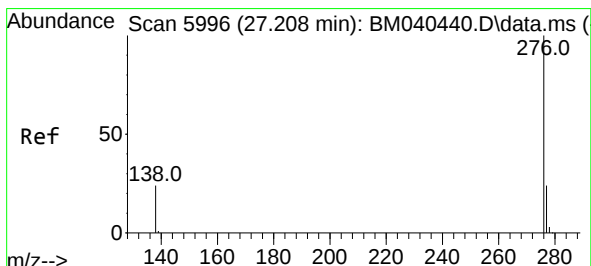
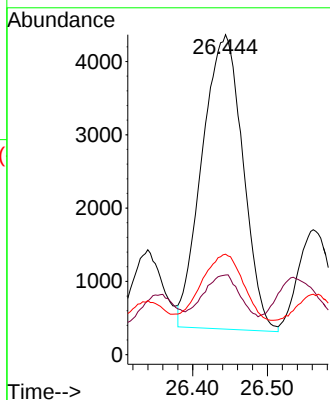
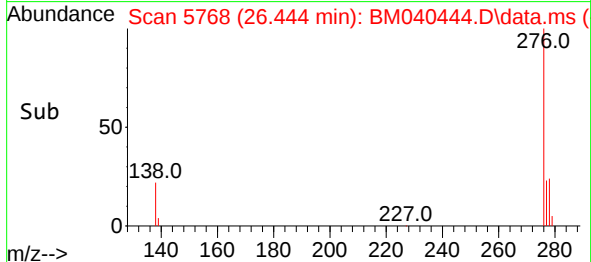
Instrument :
BNA_M
ClientSampleId :
DCFU0DL



Tgt Ion:278 Resp: 15230
Ion Ratio Lower Upper
278 100
139 24.9 17.9 26.9
279 31.4 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: 1.184 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. -0.003 min
Lab File: BM040444.D
Acq: 29 Jun 2023 19:12

Tgt Ion:276 Resp: 60163
Ion Ratio Lower Upper
276 100
138 26.0 23.0 34.6
277 24.6 20.3 30.5

