

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
 Data File : BM040608.D
 Acq On : 04 Jul 2023 12:12
 Operator : MA/JU
 Sample : 03243-16DL 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGD6DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :mohammad ahmed 07/05/2023

Quant Time: Jul 05 01:18:12 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 : Mon Jul 03 13:40:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.915	152	6877	0.400	ng/ul	0.00
4) Naphthalene-d8	10.723	136	25481	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.558	164	11797	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.307	188	23472	0.400	ng/ul	-0.01
17) Chrysene-d12	21.494	240	14001	0.400	ng/ul	0.00
23) Perylene-d12	23.903	264	13638	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.312	96	10844	1.004	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.312	152	2729	0.076	ng/ul	-0.01
18) Fluoranthene-d10	19.338	212	4450	0.099	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.772	128	7454	0.106	ng/ul#	94
7) 2-Methylnaphthalene	12.389	142	2963	0.072	ng/ul	98
8) 1-Methylnaphthalene	12.604	142	2210	0.054	ng/ul	99
10) Acenaphthylene	14.281	152	18138	0.344	ng/ul	99
11) Acenaphthene	14.623	153	5725	0.129	ng/ul	99
12) Fluorene	15.609	166	5570	0.117	ng/ul#	97
15) Phenanthrene	17.349	178	151966	2.084	ng/ul	98
16) Anthracene	17.442	178	31710	0.518	ng/ul	99
19) Fluoranthene	19.365	202	436571	7.341	ng/ul	96
20) Pyrene	19.728	202	344496	5.403	ng/ul	98
21) Benzo(a)anthracene	21.477	228	182667	3.857	ng/ul	98
22) Chrysene	21.532	228	169139	3.131	ng/ul	97
24) Benzo(b)fluoranthene	23.169	252	317965	6.024	ng/ul	88
25) Benzo(k)fluoranthene	23.210	252	87785m	1.688	ng/ul	
26) Benzo(a)pyrene	23.795	252	193419	4.068	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.397	276	172985	2.613	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.400	278	40182	0.775	ng/ul	96
29) Benzo(g,h,i)perylene	27.165	276	155448	2.679	ng/ul	95

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

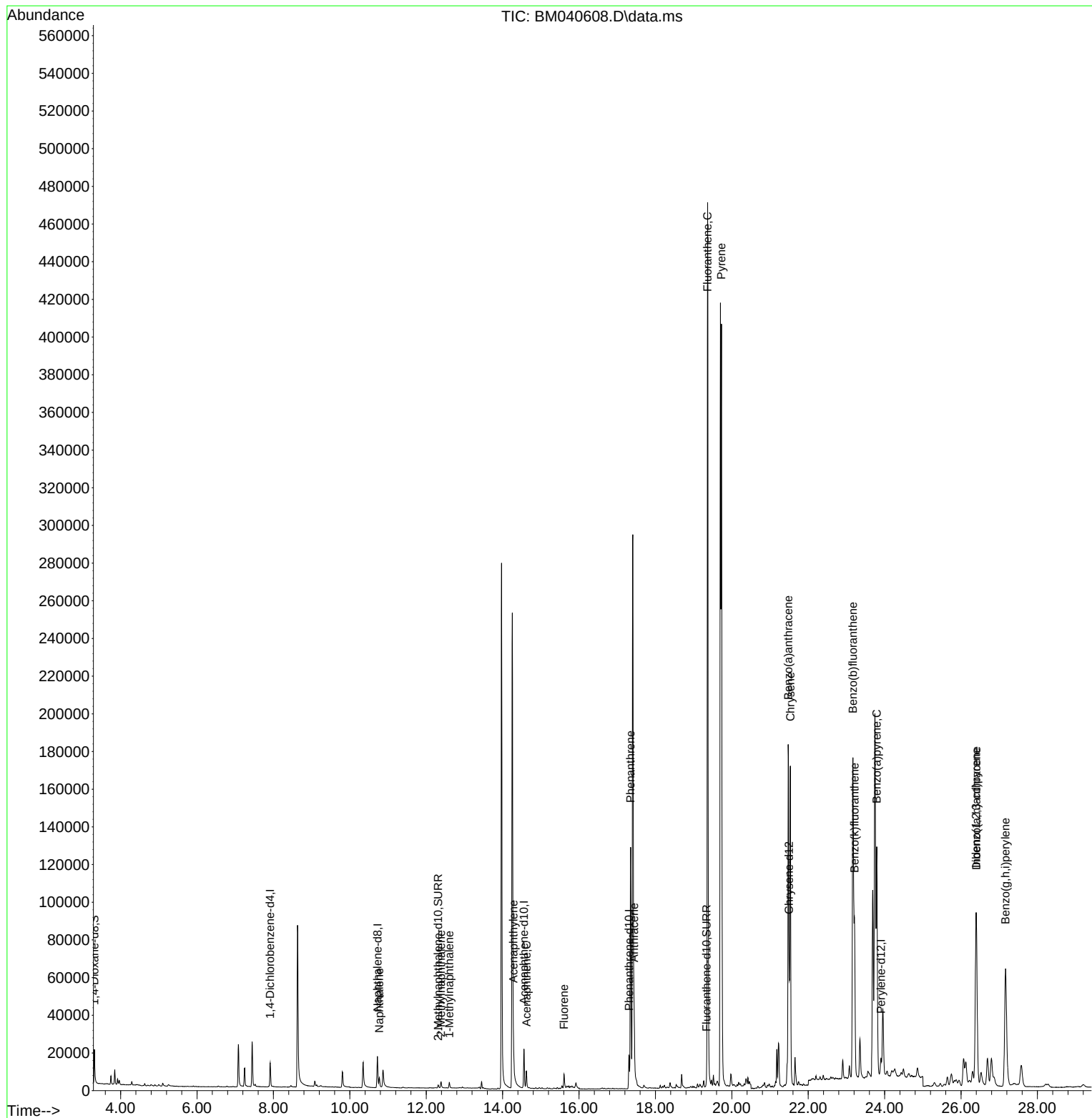
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
Data File : BM040608.D
Acq On : 04 Jul 2023 12:12
Operator : MA/JU
Sample : 03243-16DL 5X
Misc :
ALS Vial : 44 Sample Multiplier: 1

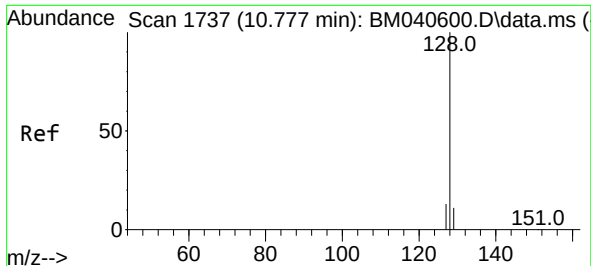
Instrument :
BNA_M
ClientSampleId :
DCGD6DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

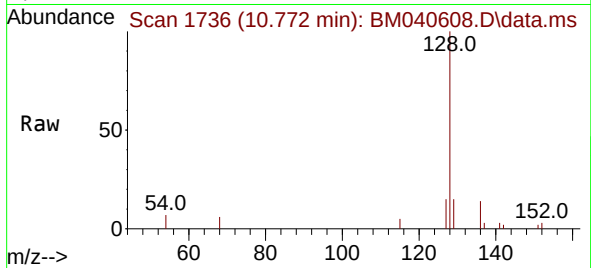
Quant Time: Jul 05 01:18:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 13:40:38 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.106 ng/ul
RT: 10.772 min Scan# 1736
Delta R.T. -0.011 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

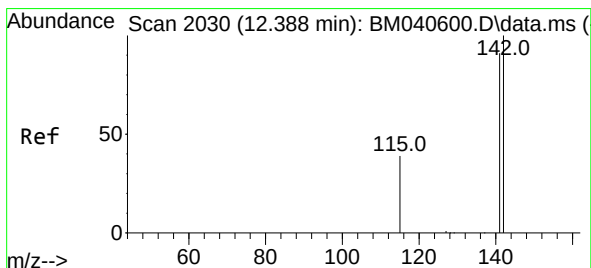
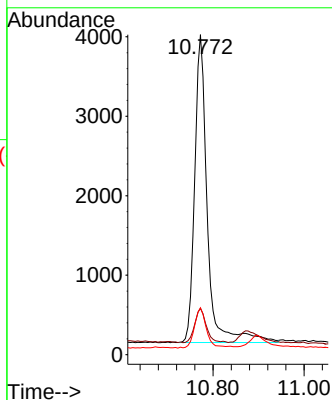
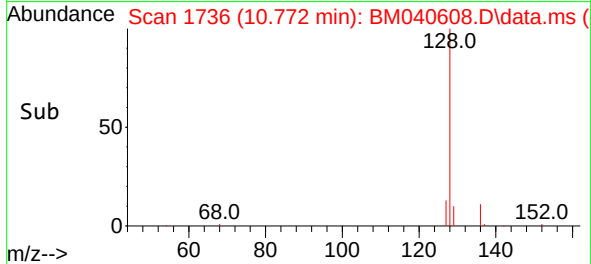
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



Tgt Ion:128 Resp: 7454
Ion Ratio Lower Upper
128 100
129 14.5 9.2 13.8
127 14.7 10.6 15.8

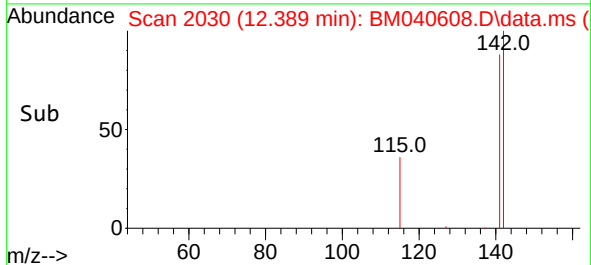
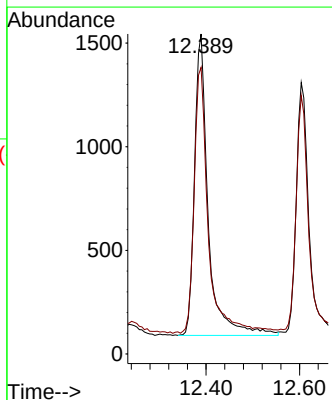
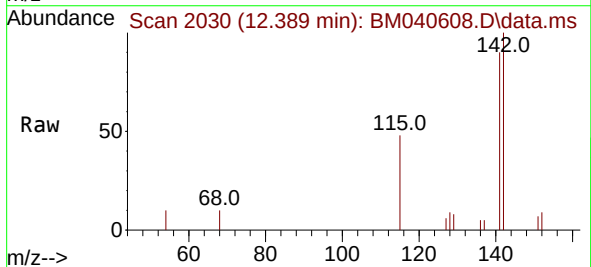
Manual Integrations
APPROVED

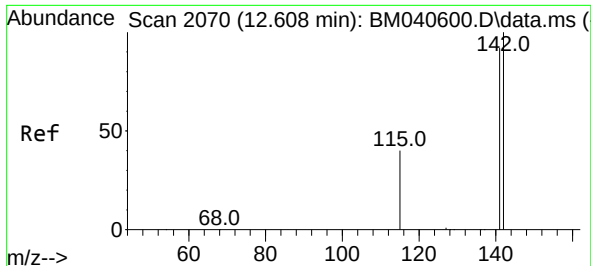
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#7
2-Methylnaphthalene
Concen: 0.072 ng/ul
RT: 12.389 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

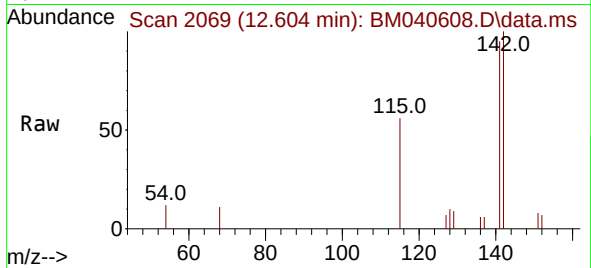
Tgt Ion:142 Resp: 2963
Ion Ratio Lower Upper
142 100
141 91.7 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.054 ng/ul
RT: 12.604 min Scan# 2070
Delta R.T. -0.011 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

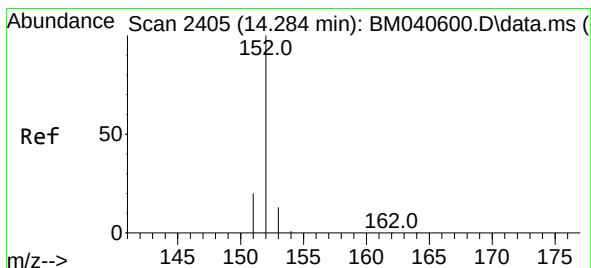
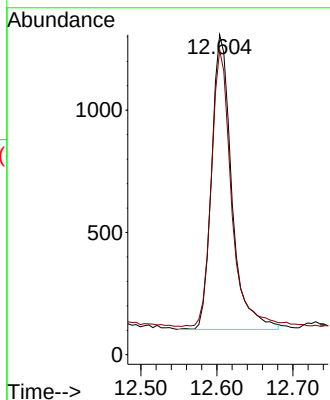
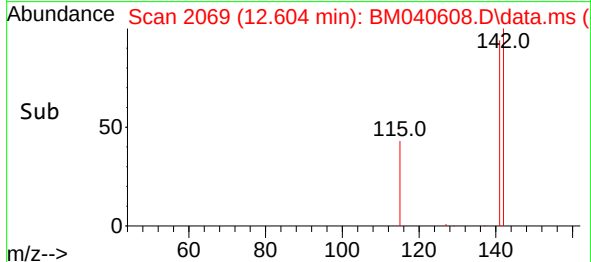
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



Tgt Ion:142 Resp: 2210
Ion Ratio Lower Upper
142 100
141 92.6 73.7 110.5

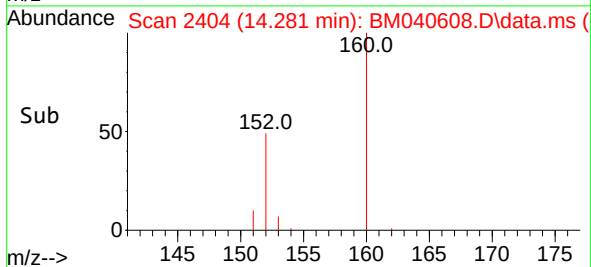
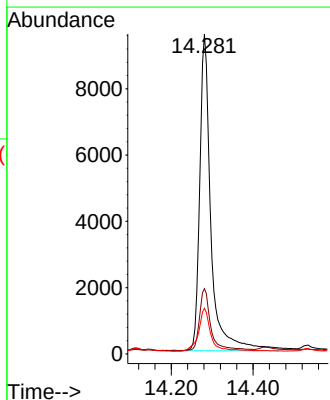
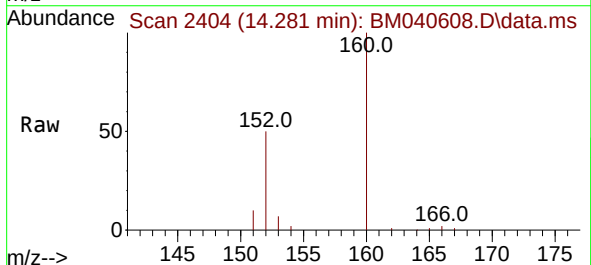
Manual Integrations
APPROVED

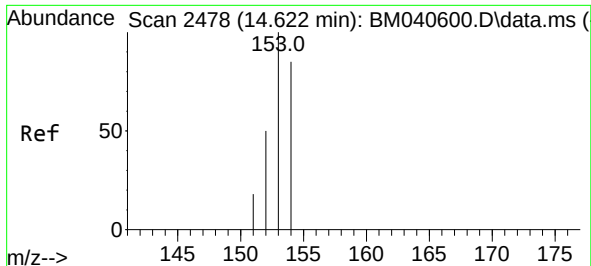
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#10
Acenaphthylene
Concen: 0.344 ng/ul
RT: 14.281 min Scan# 2404
Delta R.T. -0.009 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

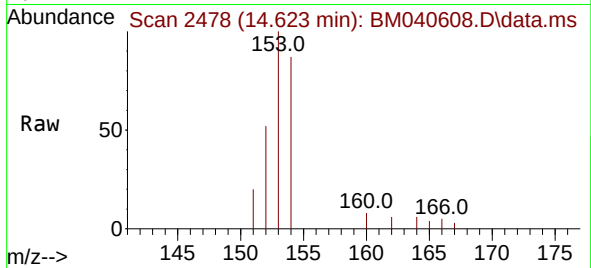
Tgt Ion:152 Resp: 18138
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 14.3 10.9 16.3





#11
Acenaphthene
Concen: 0.129 ng/ul
RT: 14.623 min Scan# 2478
Delta R.T. -0.009 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

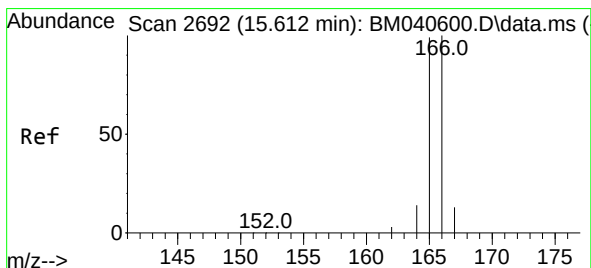
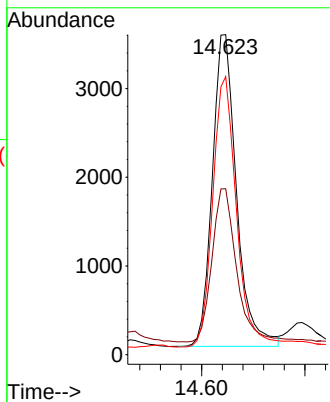
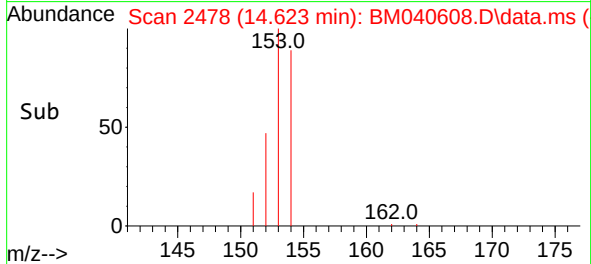
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



Tgt Ion:153 Resp: 5729
Ion Ratio Lower Upper
153 100
152 51.8 41.0 61.4
154 86.9 70.8 106.2

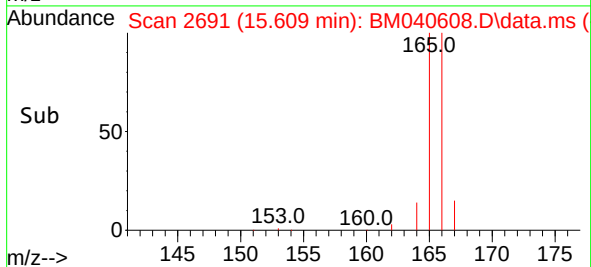
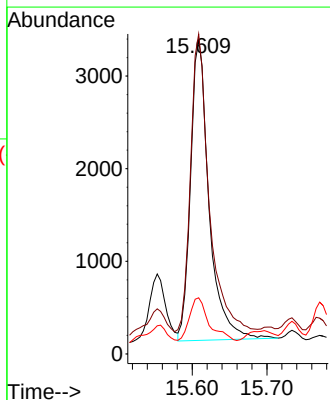
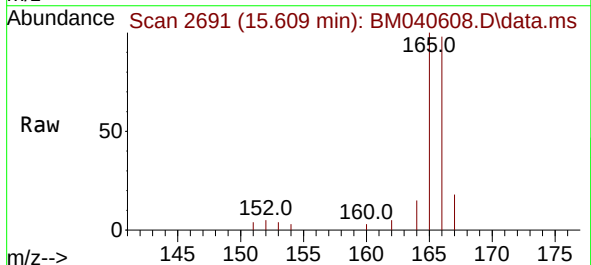
Manual Integrations
APPROVED

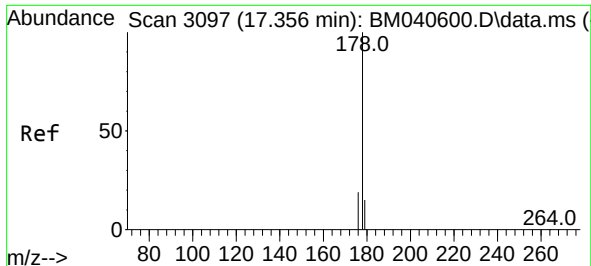
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#12
Fluorene
Concen: 0.117 ng/ul
RT: 15.609 min Scan# 2691
Delta R.T. -0.009 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

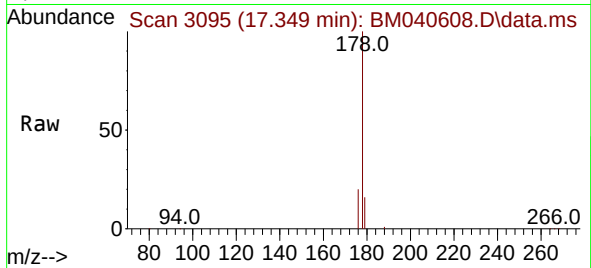
Tgt Ion:166 Resp: 5570
Ion Ratio Lower Upper
166 100
165 101.9 79.6 119.4
167 17.9 11.4 17.0#





#15
Phenanthrene
Concen: 2.084 ng/ul
RT: 17.349 min Scan# 3095
Delta R.T. -0.013 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

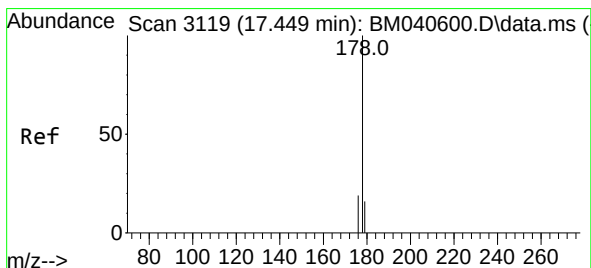
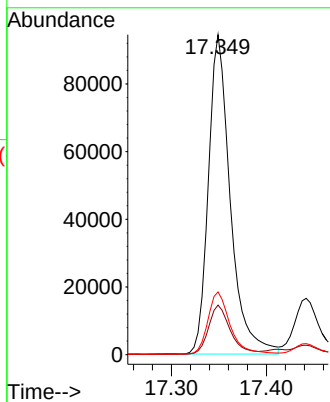
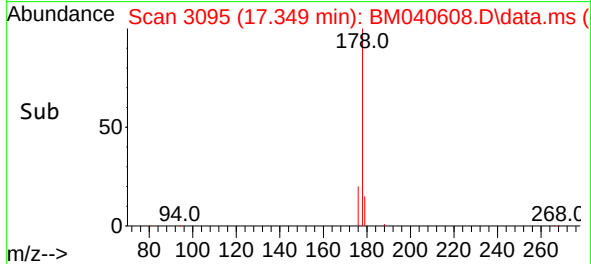
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



Tgt Ion:178 Resp: 151960
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 19.6 16.4 24.6

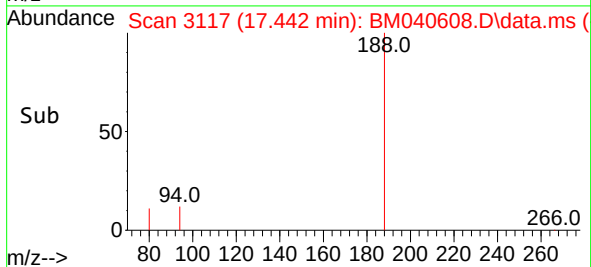
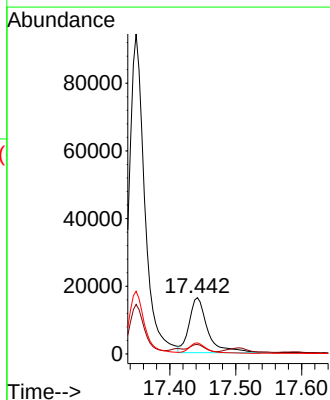
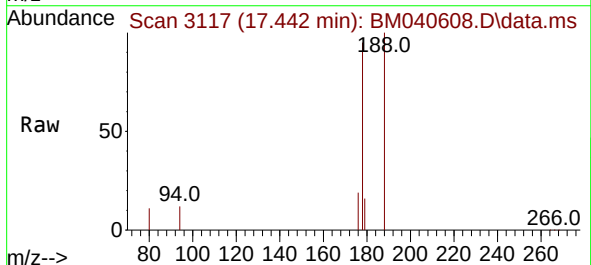
Manual Integrations
APPROVED

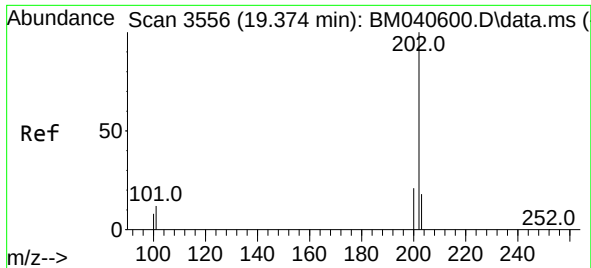
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#16
Anthracene
Concen: 0.518 ng/ul
RT: 17.442 min Scan# 3117
Delta R.T. -0.013 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

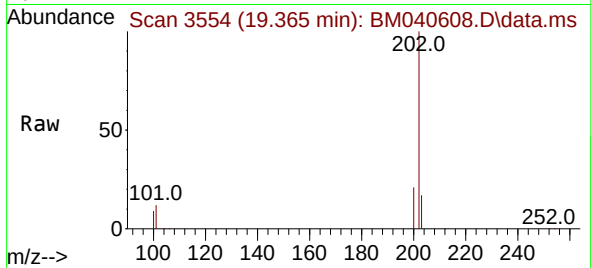
Tgt Ion:178 Resp: 31710
Ion Ratio Lower Upper
178 100
179 16.8 12.9 19.3
176 19.6 15.8 23.6





#19
Fluoranthene
Concen: 7.341 ng/u1
RT: 19.365 min Scan# 3556
Delta R.T. -0.014 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

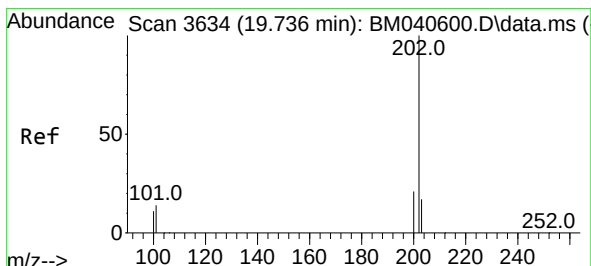
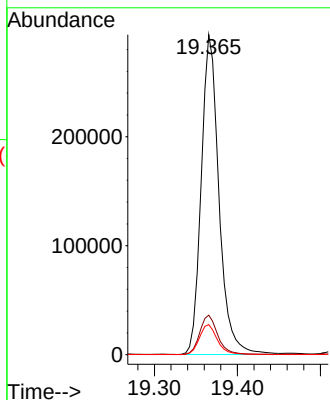
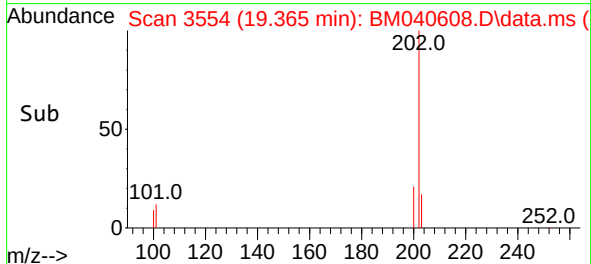
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



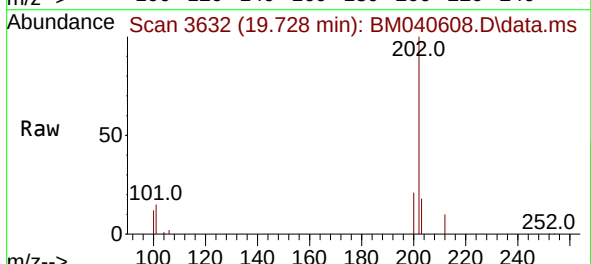
Tgt Ion:202 Resp: 43657
Ion Ratio Lower Upper
202 100
101 12.4 11.4 17.0
100 9.4 8.7 13.1

Manual Integrations
APPROVED

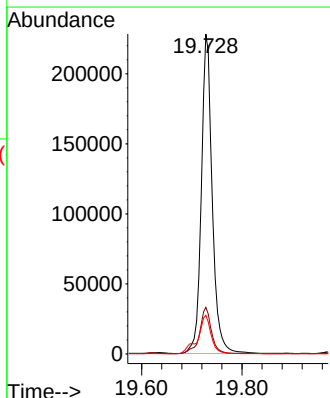
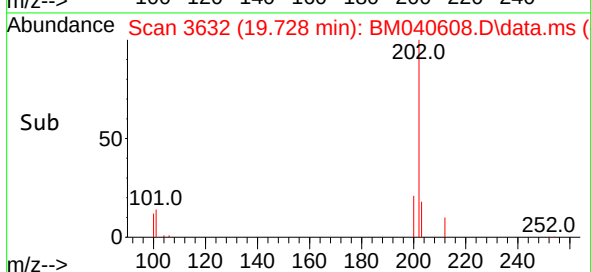
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

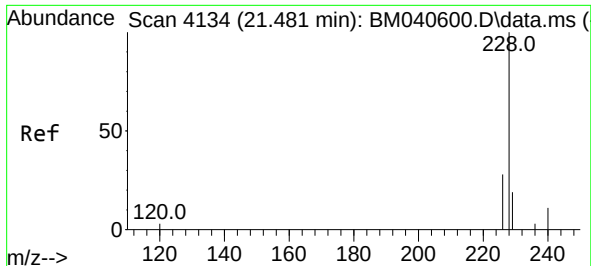


#20
Pyrene
Concen: 5.403 ng/u1
RT: 19.728 min Scan# 3632
Delta R.T. -0.014 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12



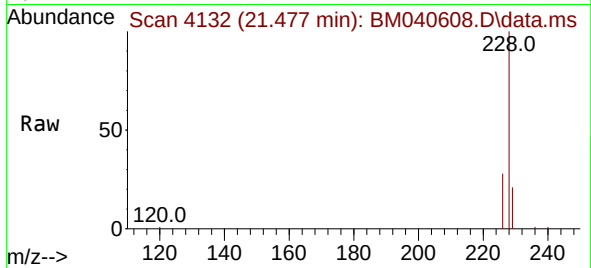
Tgt Ion:202 Resp: 344496
Ion Ratio Lower Upper
202 100
101 14.6 12.6 18.8
100 12.1 9.8 14.6





#21
Benzo(a)anthracene
Concen: 3.857 ng/ul
RT: 21.477 min Scan# 4132
Delta R.T. -0.012 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

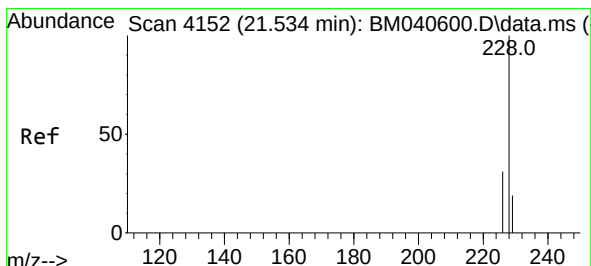
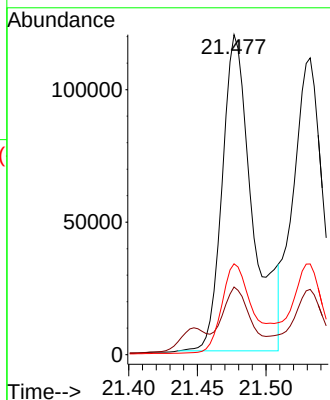
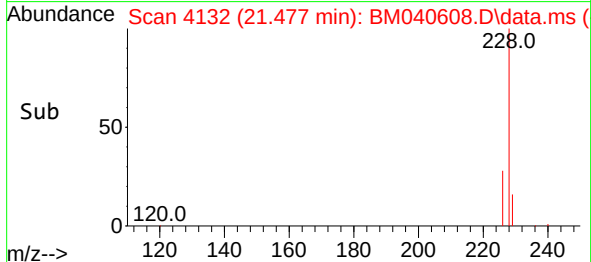
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



Tgt Ion:228 Resp: 18266
Ion Ratio Lower Upper
228 100
229 21.2 16.0 24.0
226 28.4 22.3 33.5

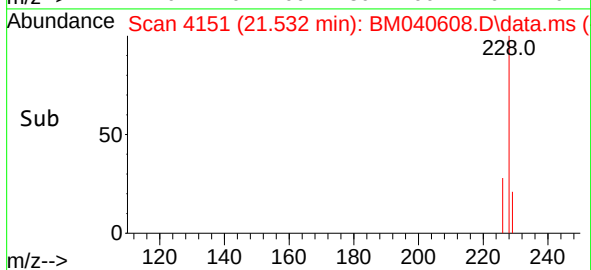
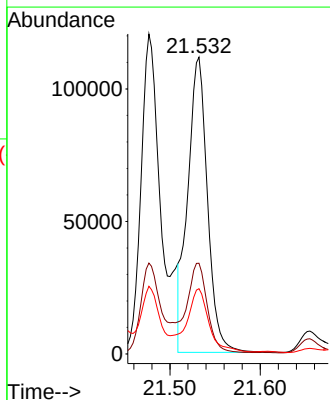
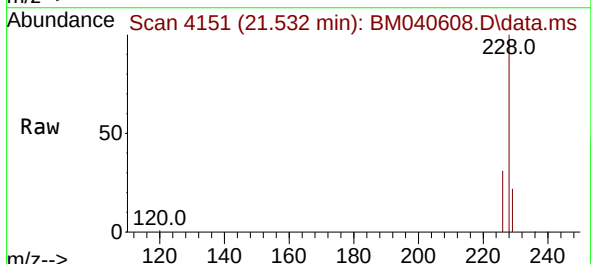
Manual Integrations
APPROVED

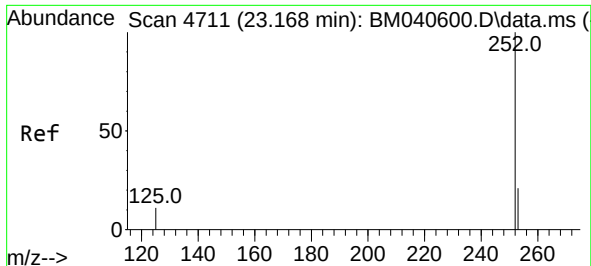
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#22
Chrysene
Concen: 3.131 ng/ul
RT: 21.532 min Scan# 4151
Delta R.T. -0.009 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

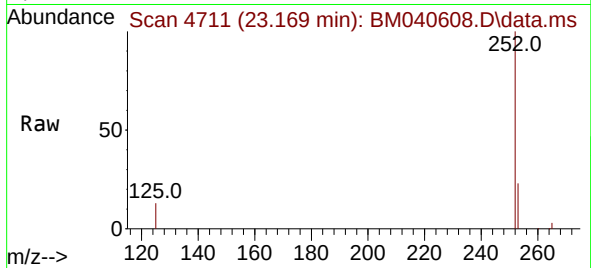
Tgt Ion:228 Resp: 169139
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 22.0 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 6.024 ng/ul
RT: 23.169 min Scan# 4711
Delta R.T. -0.012 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

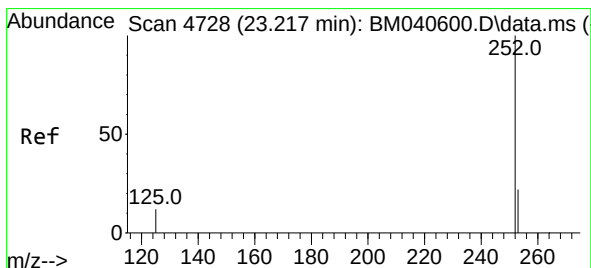
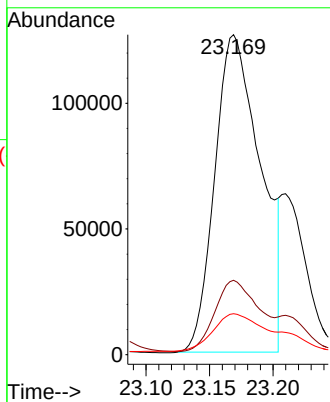
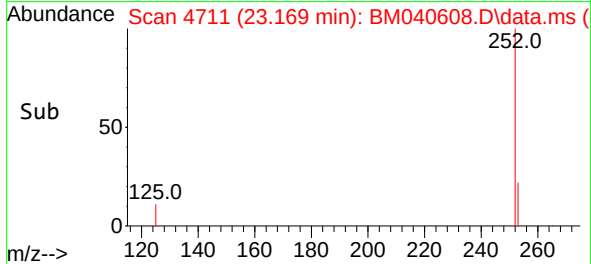
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



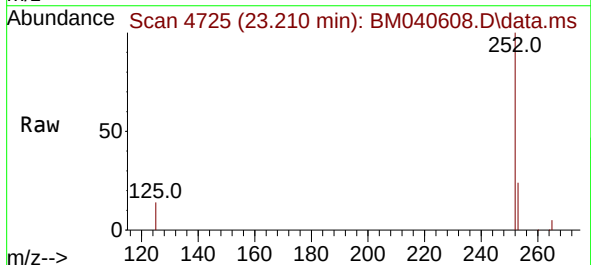
Tgt Ion:252 Resp: 31796
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 12.8 0.0 43.0

Manual Integrations
APPROVED

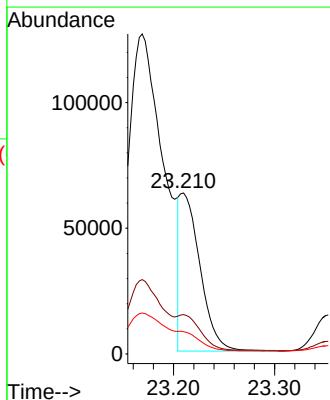
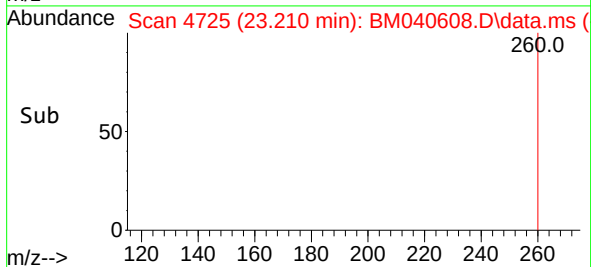
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

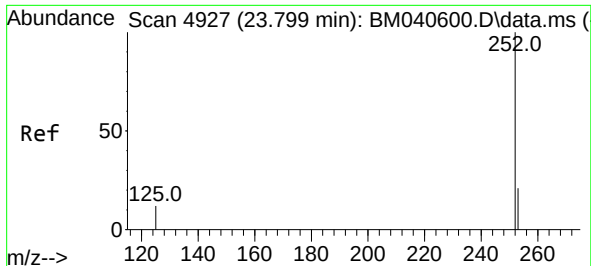


#25
Benzo(k)fluoranthene
Concen: 1.688 ng/ul m
RT: 23.210 min Scan# 4725
Delta R.T. -0.015 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12



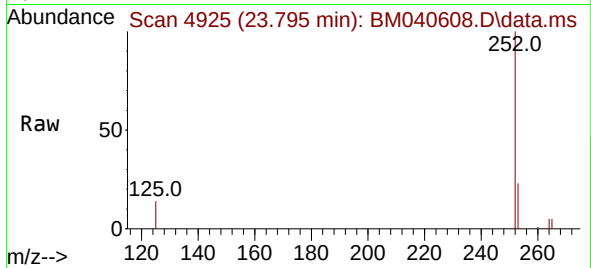
Tgt Ion:252 Resp: 87785
Ion Ratio Lower Upper
252 100
253 24.5 21.2 31.8
125 13.9 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 4.068 ng/ul
RT: 23.795 min Scan# 4925
Delta R.T. -0.009 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

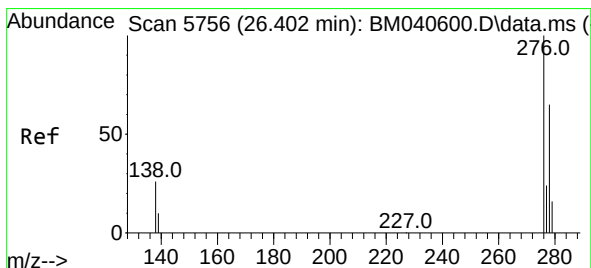
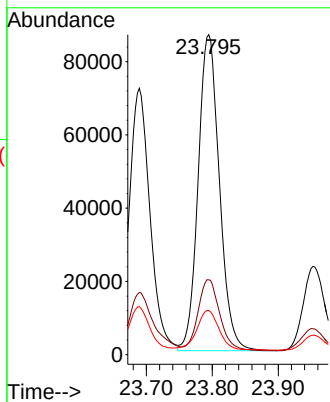
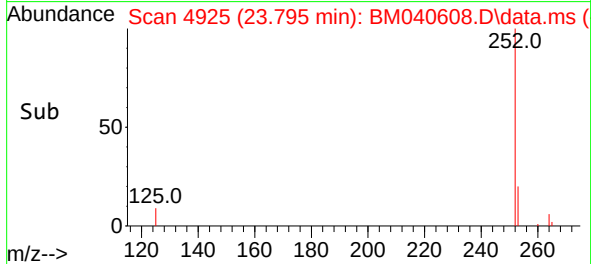
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



Tgt Ion:252 Resp: 193419
Ion Ratio Lower Upper
252 100
253 23.4 22.9 34.3
125 13.8 21.0 31.4

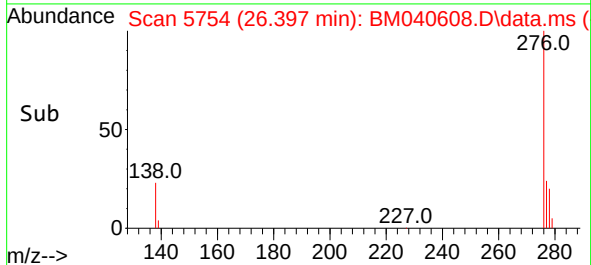
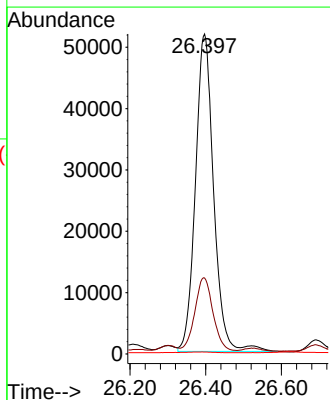
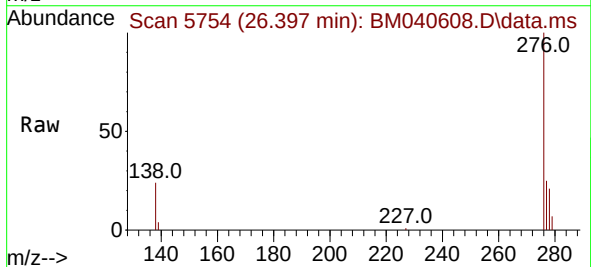
Manual Integrations
APPROVED

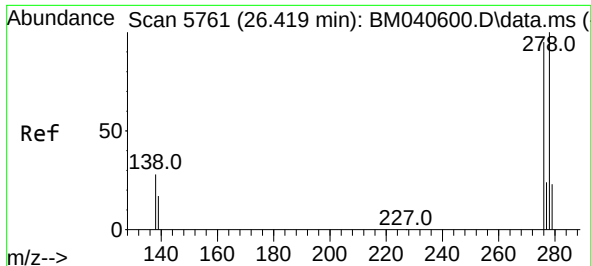
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.613 ng/ul
RT: 26.397 min Scan# 5754
Delta R.T. -0.020 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

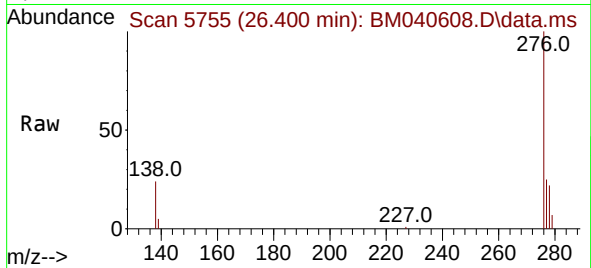
Tgt Ion:276 Resp: 172985
Ion Ratio Lower Upper
276 100
138 22.7 24.5 36.7#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.775 ng/ul
RT: 26.400 min Scan# 5761
Delta R.T. -0.030 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

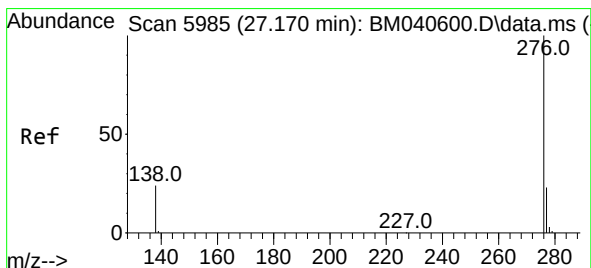
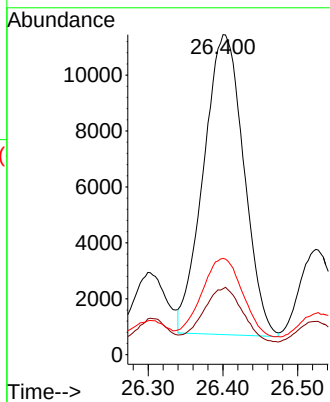
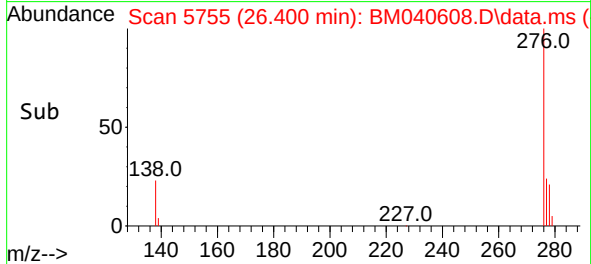
Instrument :
BNA_M
ClientSampleId :
DCGD6DL



Tgt Ion:278 Resp: 4018
Ion Ratio Lower Upper
278 100
139 20.6 17.9 26.9
279 30.1 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#29
Benzo(g,h,i)perylene
Concen: 2.679 ng/ul
RT: 27.165 min Scan# 5983
Delta R.T. -0.017 min
Lab File: BM040608.D
Acq: 04 Jul 2023 12:12

Tgt Ion:276 Resp: 155448
Ion Ratio Lower Upper
276 100
138 24.6 23.0 34.6
277 24.1 20.3 30.5

