

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
 Data File : BM040611.D
 Acq On : 04 Jul 2023 14:04
 Operator : MA/JU
 Sample : 03243-11DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCGD1DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 05 01:18:52 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	6825	0.400	ng/ul	0.00
4) Naphthalene-d8	10.723	136	26395	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.559	164	12746	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.307	188	25068	0.400	ng/ul	-0.01
17) Chrysene-d12	21.491	240	14555	0.400	ng/ul	-0.01
23) Perylene-d12	23.897	264	14053	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.312	96	7418	0.692	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.312	152	1932	0.052	ng/ul	-0.01
18) Fluoranthene-d10	19.338	212	2991	0.064	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.772	128	27347	0.376	ng/ul	99
7) 2-Methylnaphthalene	12.384	142	31173	0.729	ng/ul	100
8) 1-Methylnaphthalene	12.604	142	21785	0.510	ng/ul	99
10) Acenaphthylene	14.281	152	35243	0.619	ng/ul	98
11) Acenaphthene	14.623	153	1538	0.032	ng/ul#	87
12) Fluorene	15.609	166	2194	0.043	ng/ul#	77
15) Phenanthrene	17.349	178	81449	1.046	ng/ul	99
16) Anthracene	17.442	178	36419	0.557	ng/ul	100
19) Fluoranthene	19.366	202	219316	3.547	ng/ul	96
20) Pyrene	19.728	202	209538	3.161	ng/ul	99
21) Benzo(a)anthracene	21.474	228	138653	2.816	ng/ul	98
22) Chrysene	21.526	228	145141	2.584	ng/ul	98
24) Benzo(b)fluoranthene	23.166	252	266917	4.908	ng/ul	88
25) Benzo(k)fluoranthene	23.201	252	79437m	1.482	ng/ul	
26) Benzo(a)pyrene	23.789	252	129158	2.636	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.390	276	117656	1.725	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.393	278	29600	0.554	ng/ul	96
29) Benzo(g,h,i)perylene	27.162	276	97550	1.631	ng/ul	95

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

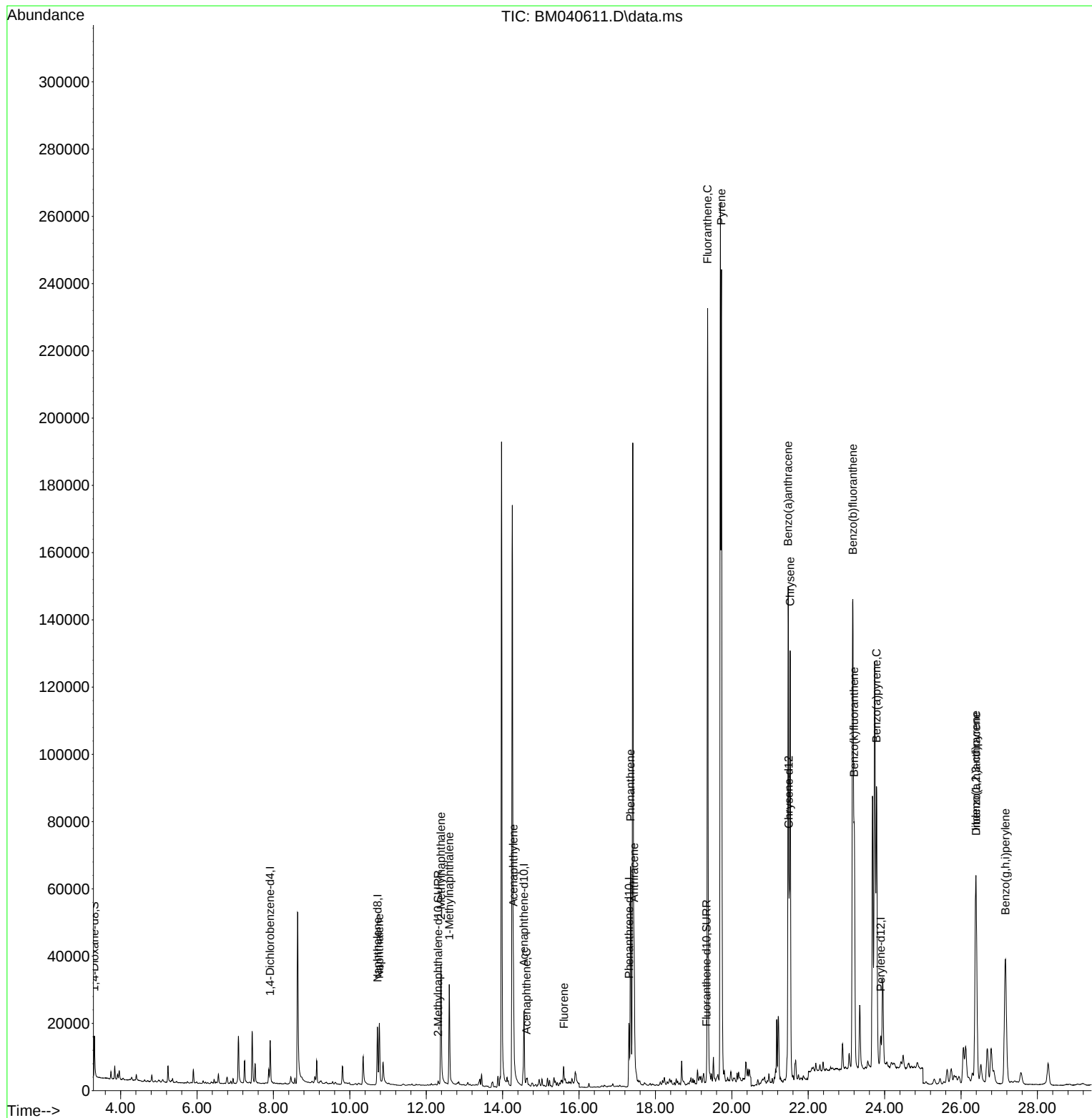
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
Data File : BM040611.D
Acq On : 04 Jul 2023 14:04
Operator : MA/JU
Sample : 03243-11DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

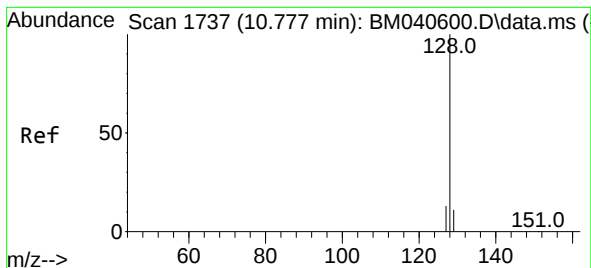
Instrument :
BNA_M
ClientSampleId :
DCGD1DL

Quant Time: Jul 05 01:18:52 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

Manual Integrations
APPROVED

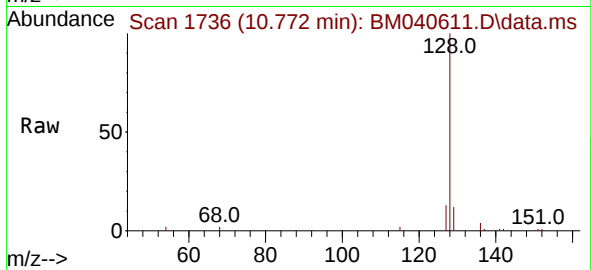
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023





#5
Naphthalene
Concen: 0.376 ng/ul
RT: 10.772 min Scan# 1736
Delta R.T. -0.011 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

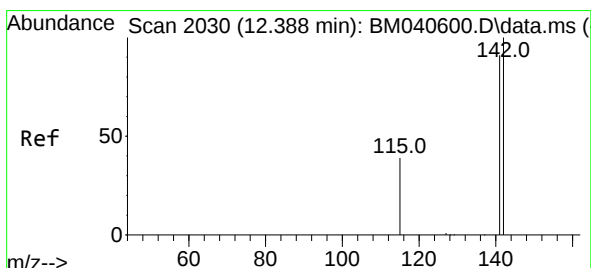
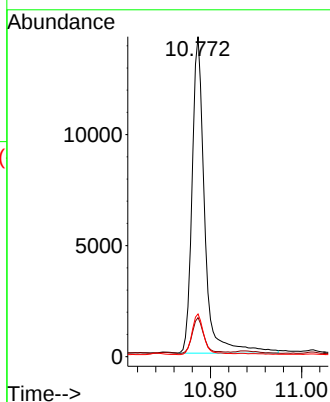
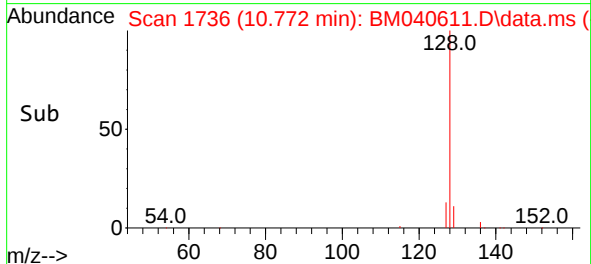
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



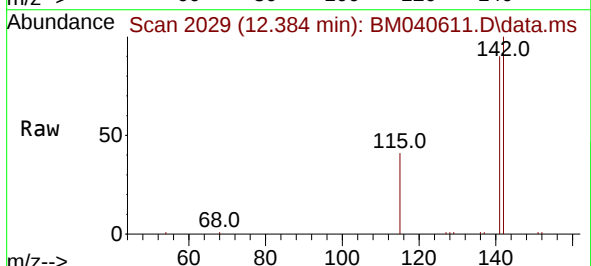
Tgt Ion:128 Resp: 2734
Ion Ratio Lower Upper
128 100
129 12.2 9.2 13.8
127 13.3 10.6 15.8

Manual Integrations
APPROVED

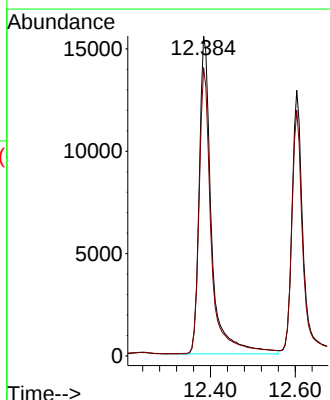
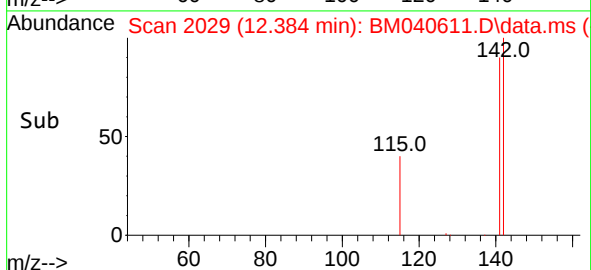
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

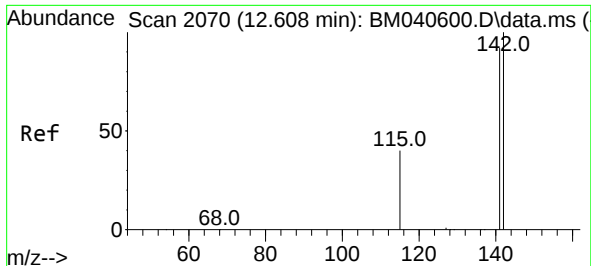


#7
2-Methylnaphthalene
Concen: 0.729 ng/ul
RT: 12.384 min Scan# 2029
Delta R.T. -0.011 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04



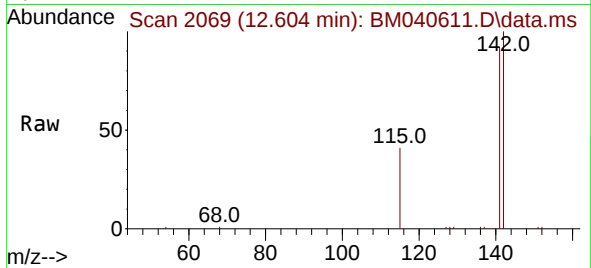
Tgt Ion:142 Resp: 31173
Ion Ratio Lower Upper
142 100
141 89.6 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.510 ng/ul
RT: 12.604 min Scan# 2070
Delta R.T. -0.011 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

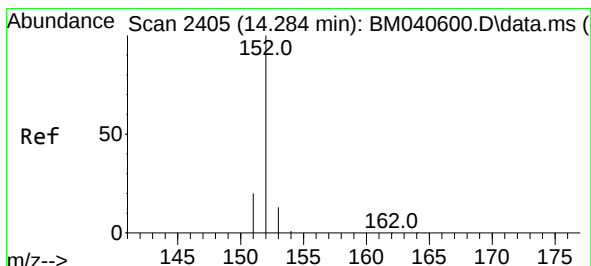
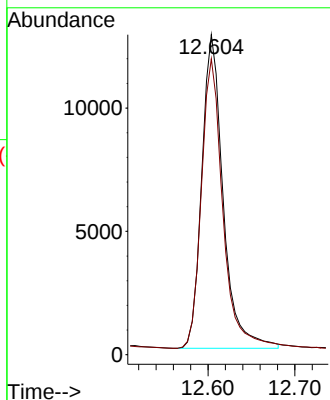
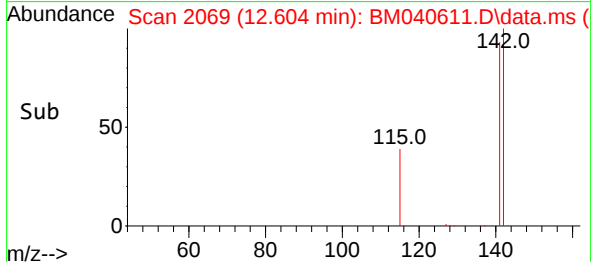
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



Tgt Ion:142 Resp: 2178
Ion Ratio Lower Upper
142 100
141 92.6 73.7 110.5

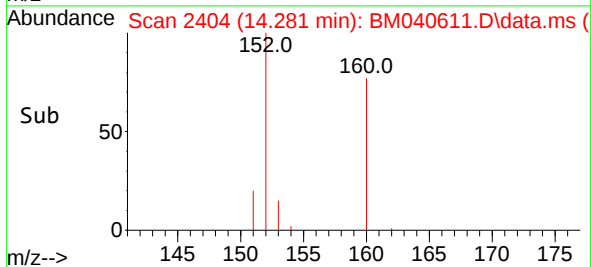
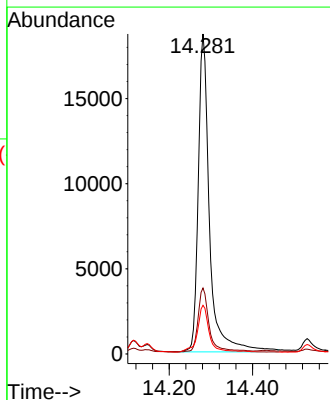
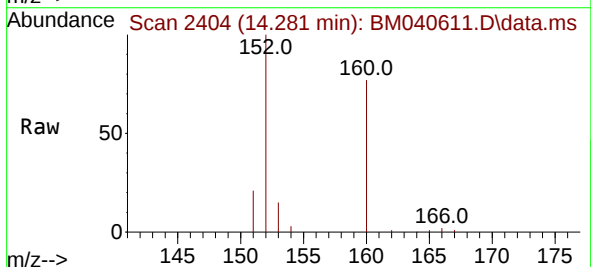
Manual Integrations
APPROVED

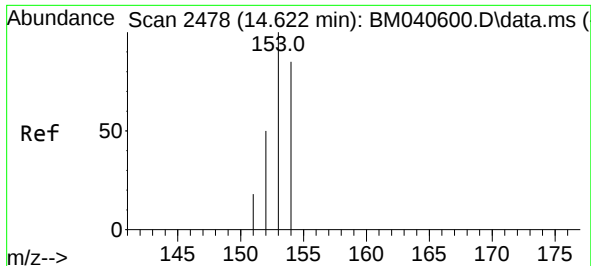
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#10
Acenaphthylene
Concen: 0.619 ng/ul
RT: 14.281 min Scan# 2404
Delta R.T. -0.009 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

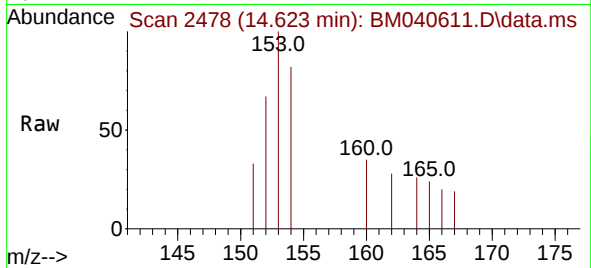
Tgt Ion:152 Resp: 35243
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.2
153 15.2 10.9 16.3





#11
Acenaphthene
Concen: 0.032 ng/ul
RT: 14.623 min Scan# 2478
Delta R.T. -0.009 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

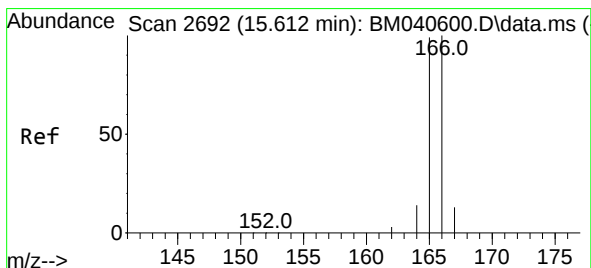
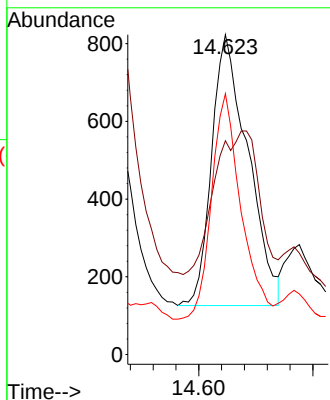
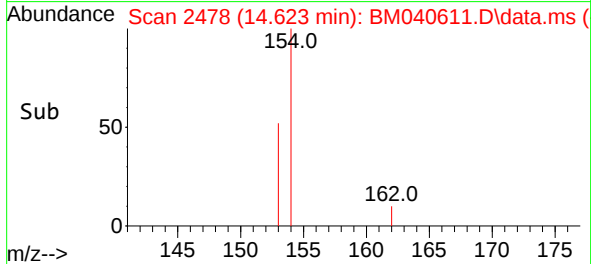
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



Tgt Ion:153 Resp: 1538
Ion Ratio Lower Upper
153 100
152 66.8 41.0 61.4
154 81.5 70.8 106.2

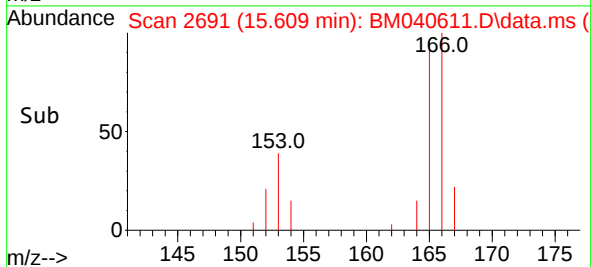
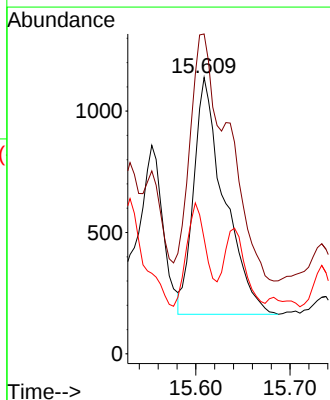
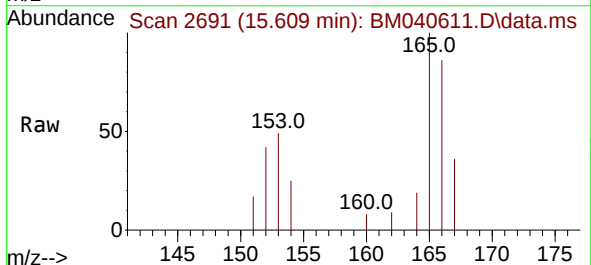
Manual Integrations
APPROVED

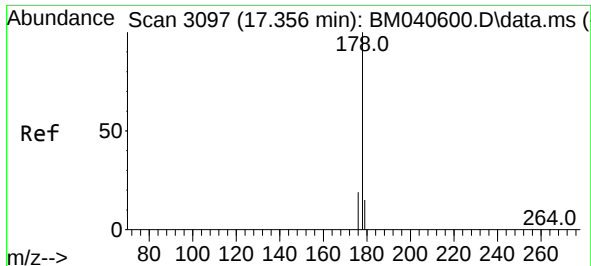
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#12
Fluorene
Concen: 0.043 ng/ul
RT: 15.609 min Scan# 2691
Delta R.T. -0.009 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

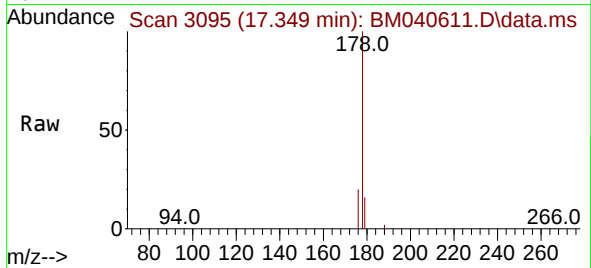
Tgt Ion:166 Resp: 2194
Ion Ratio Lower Upper
166 100
165 115.7 79.6 119.4
167 41.6 11.4 17.0#





#15
Phenanthrene
Concen: 1.046 ng/ul
RT: 17.349 min Scan# 3095
Delta R.T. -0.013 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

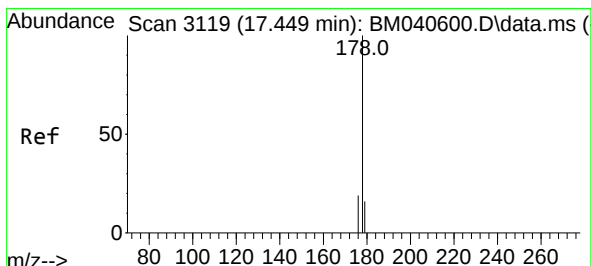
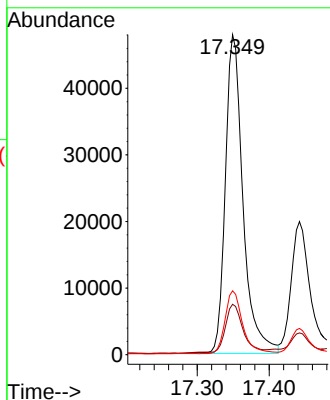
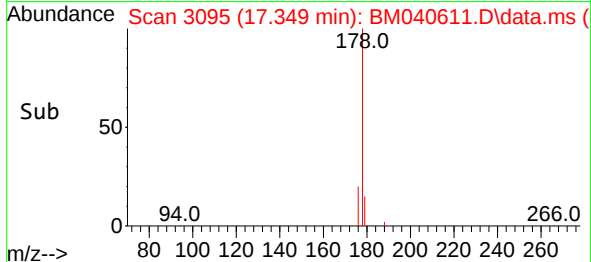
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



Tgt Ion:178 Resp: 81449
Ion Ratio Lower Upper
178 100
179 15.7 12.8 19.2
176 20.0 16.4 24.6

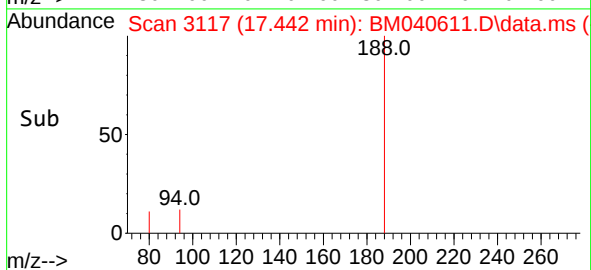
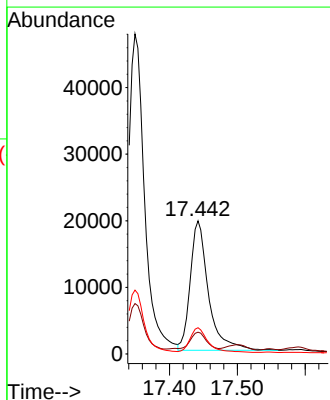
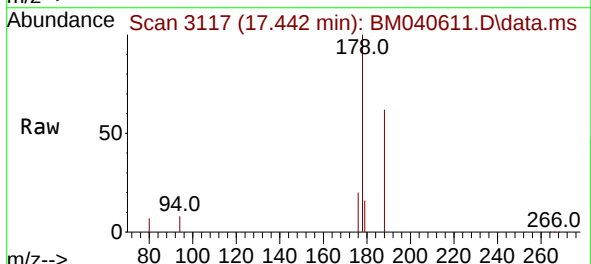
Manual Integrations
APPROVED

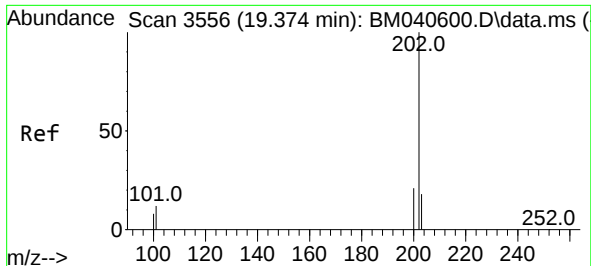
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#16
Anthracene
Concen: 0.557 ng/ul
RT: 17.442 min Scan# 3117
Delta R.T. -0.013 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

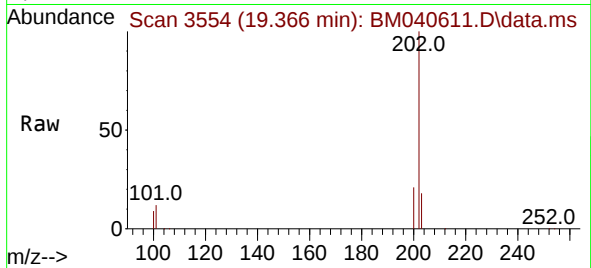
Tgt Ion:178 Resp: 36419
Ion Ratio Lower Upper
178 100
179 16.4 12.9 19.3
176 19.7 15.8 23.6





#19
Fluoranthene
Concen: 3.547 ng/ul
RT: 19.366 min Scan# 3554
Delta R.T. -0.014 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

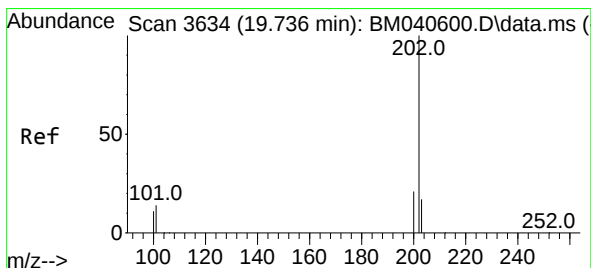
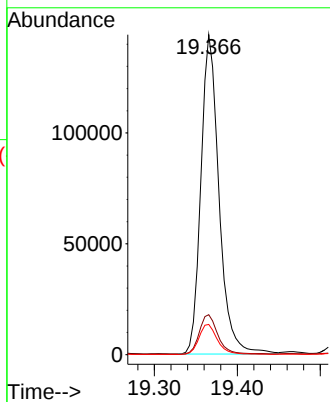
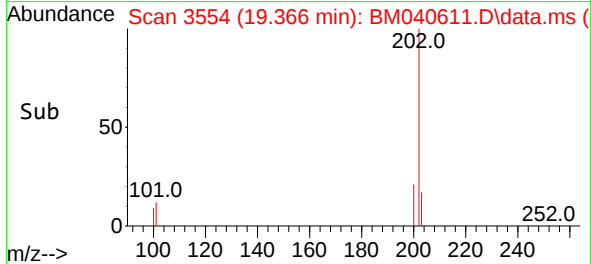
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



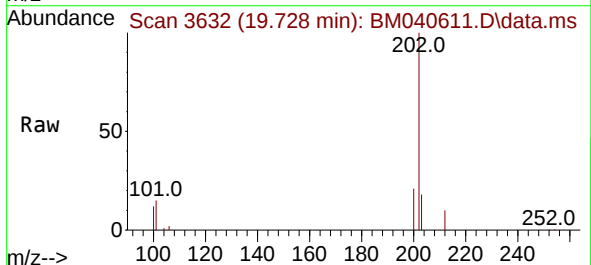
Tgt Ion:202 Resp: 219310
Ion Ratio Lower Upper
202 100
101 12.5 11.4 17.0
100 9.4 8.7 13.1

Manual Integrations
APPROVED

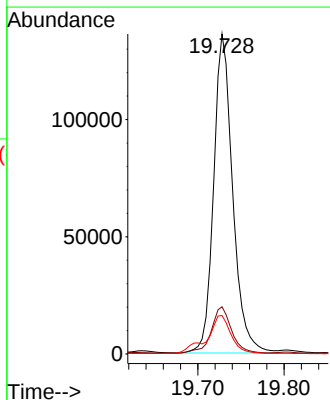
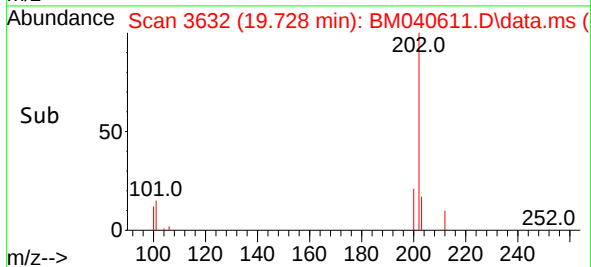
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

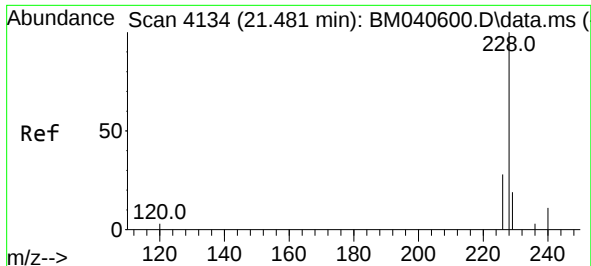


#20
Pyrene
Concen: 3.161 ng/ul
RT: 19.728 min Scan# 3632
Delta R.T. -0.014 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04



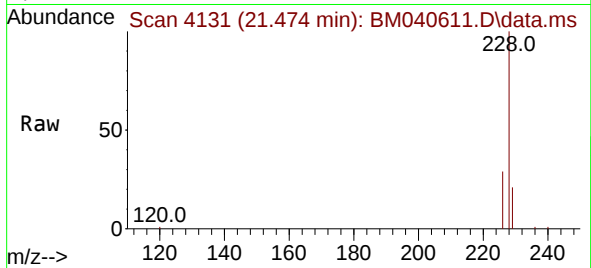
Tgt Ion:202 Resp: 209538
Ion Ratio Lower Upper
202 100
101 14.7 12.6 18.8
100 12.0 9.8 14.6





#21
Benzo(a)anthracene
Concen: 2.816 ng/ul
RT: 21.474 min Scan# 4134
Delta R.T. -0.015 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

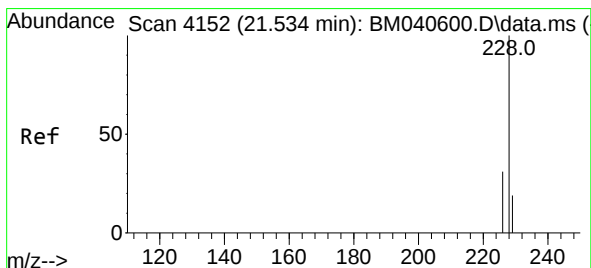
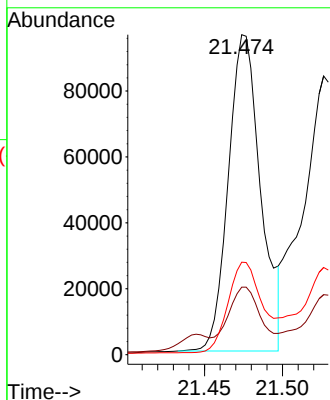
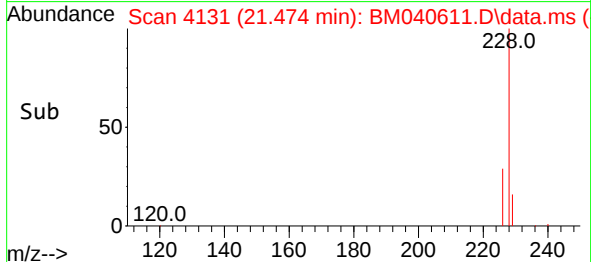
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



Tgt Ion:228 Resp: 13865
Ion Ratio Lower Upper
228 100
229 21.1 16.0 24.0
226 28.9 22.3 33.5

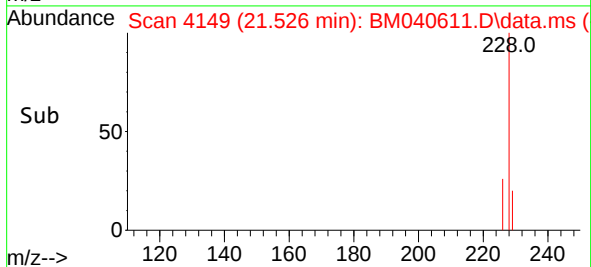
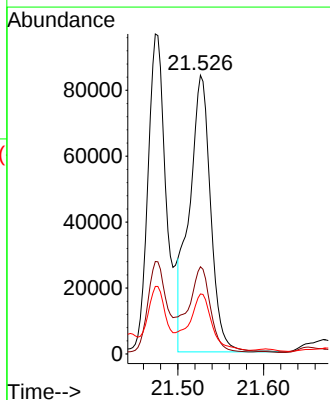
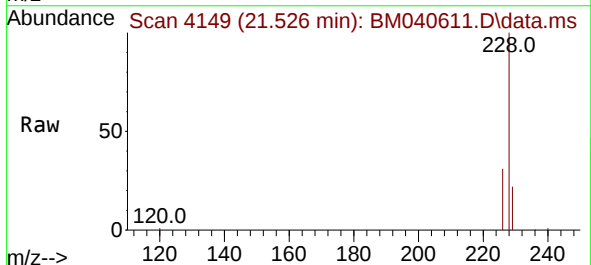
Manual Integrations
APPROVED

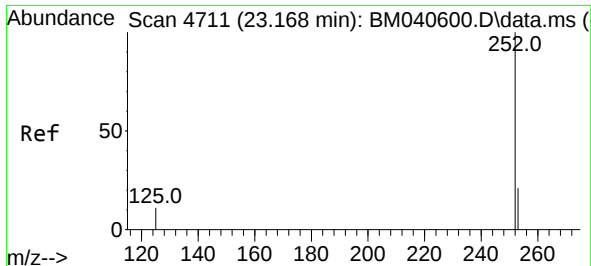
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#22
Chrysene
Concen: 2.584 ng/ul
RT: 21.526 min Scan# 4149
Delta R.T. -0.015 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

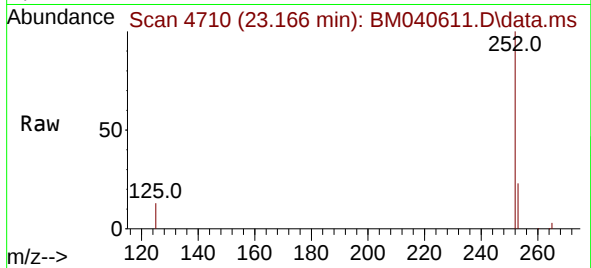
Tgt Ion:228 Resp: 145141
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 21.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 4.908 ng/ul
RT: 23.166 min Scan# 4711
Delta R.T. -0.015 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

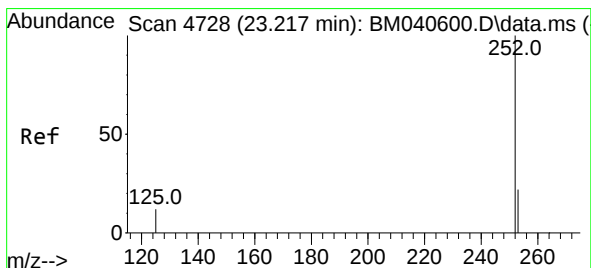
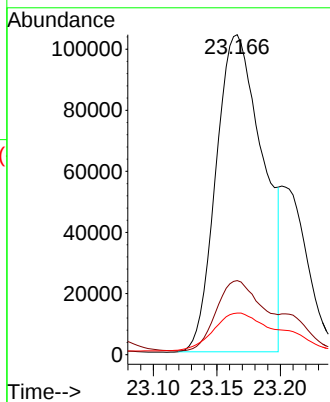
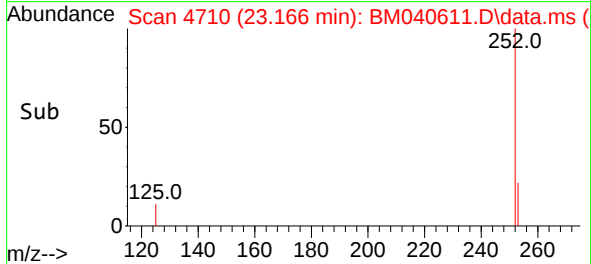
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



Tgt Ion:252 Resp: 26691
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 13.0 0.0 43.0

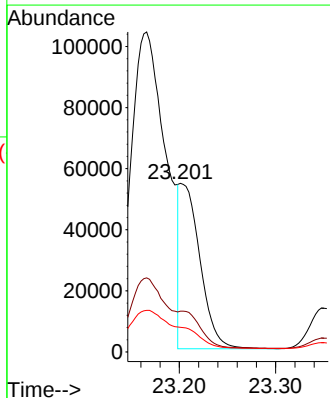
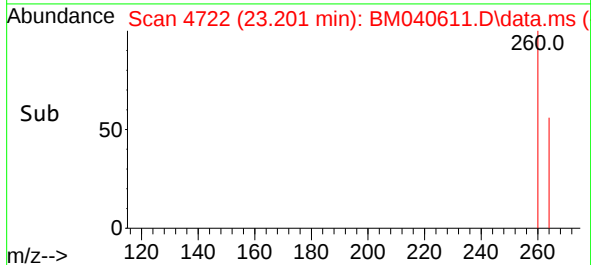
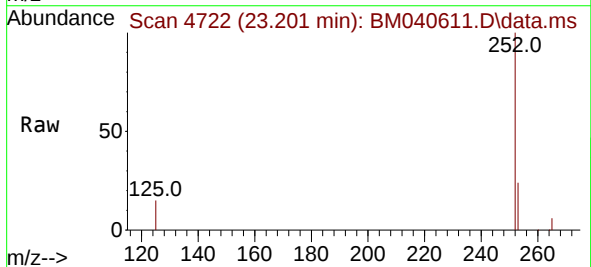
Manual Integrations
APPROVED

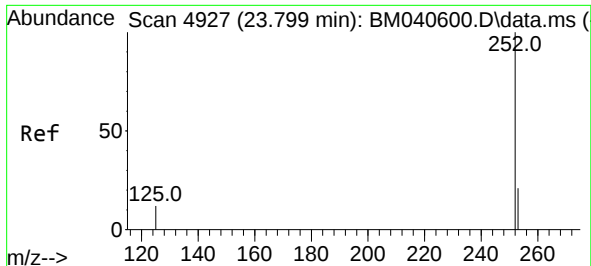
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#25
Benzo(k)fluoranthene
Concen: 1.482 ng/ul m
RT: 23.201 min Scan# 4722
Delta R.T. -0.023 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

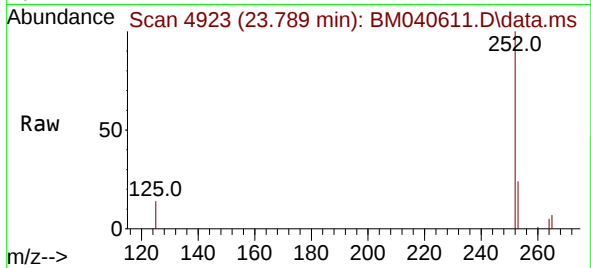
Tgt Ion:252 Resp: 79437
Ion Ratio Lower Upper
252 100
253 24.2 21.2 31.8
125 14.6 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 2.636 ng/ul
RT: 23.789 min Scan# 4923
Delta R.T. -0.015 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

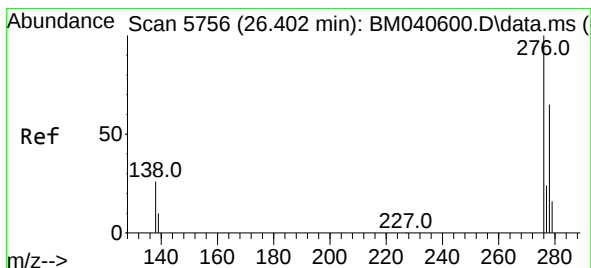
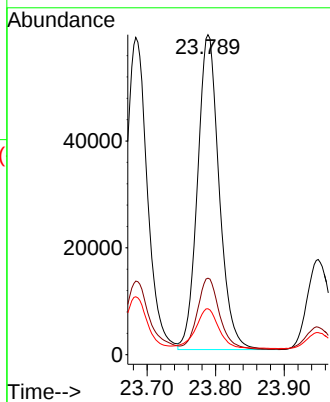
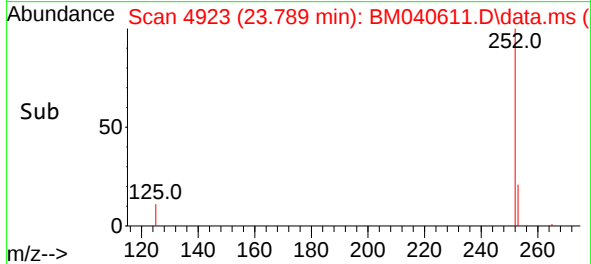
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



Tgt Ion:252 Resp: 129158
Ion Ratio Lower Upper
252 100
253 23.9 22.9 34.3
125 14.3 21.0 31.4

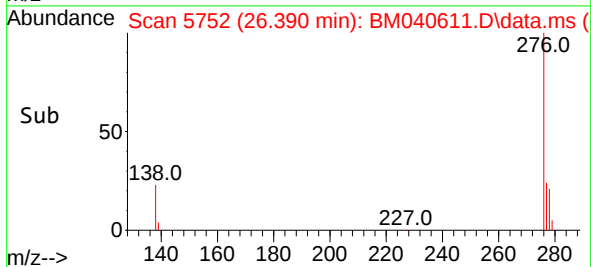
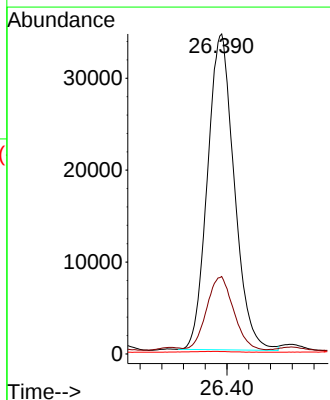
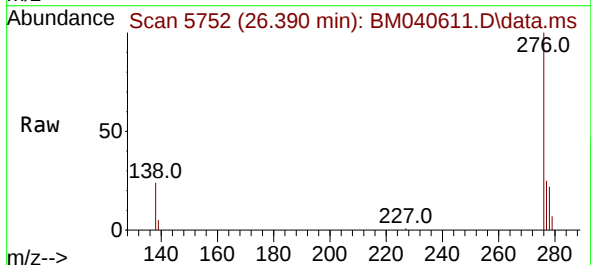
Manual Integrations
APPROVED

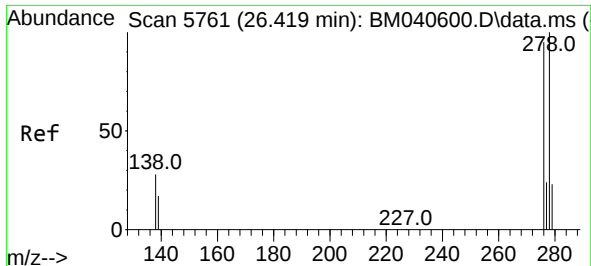
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.725 ng/ul
RT: 26.390 min Scan# 5752
Delta R.T. -0.027 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

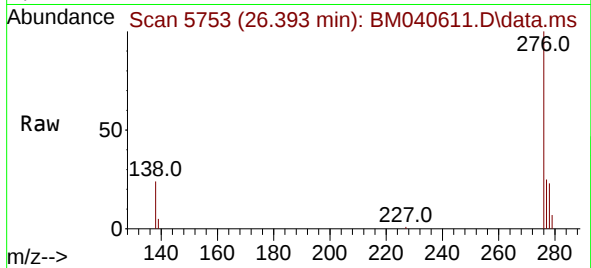
Tgt Ion:276 Resp: 117656
Ion Ratio Lower Upper
276 100
138 23.7 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.554 ng/ul
RT: 26.393 min Scan# 51
Delta R.T. -0.037 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04

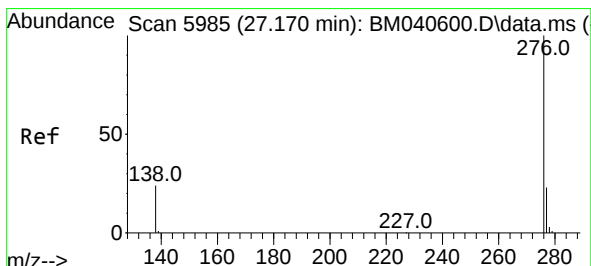
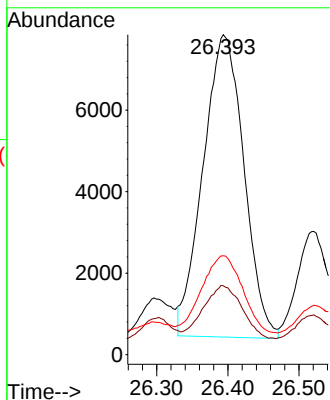
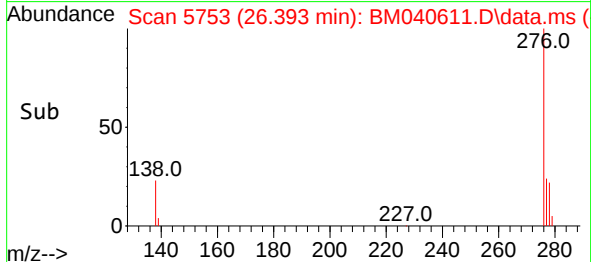
Instrument :
BNA_M
ClientSampleId :
DCGD1DL



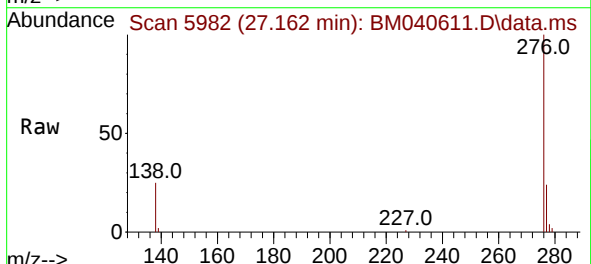
Tgt Ion:278 Resp: 29600
Ion Ratio Lower Upper
278 100
139 21.5 17.9 26.9
279 30.9 22.0 33.0

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 1.631 ng/ul
RT: 27.162 min Scan# 5982
Delta R.T. -0.020 min
Lab File: BM040611.D
Acq: 04 Jul 2023 14:04



Tgt Ion:276 Resp: 97550
Ion Ratio Lower Upper
276 100
138 25.1 23.0 34.6
277 24.3 20.3 30.5

