

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071223\
 Data File : BM040839.D
 Acq On : 12 Jul 2023 16:44
 Operator : MA/JU
 Sample : 03414-02DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4637DL

Manual Integrations
 APPROVED

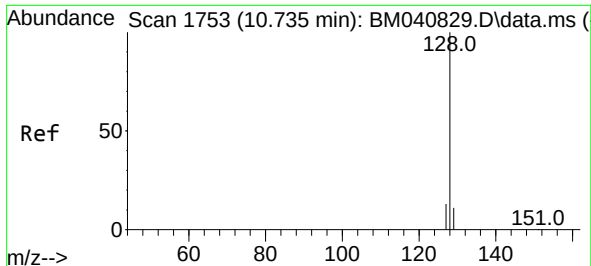
Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

Quant Time: Jul 13 00:13:03 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 : Wed Jul 12 05:37:29 2023
 Response via : Initial Calibration

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

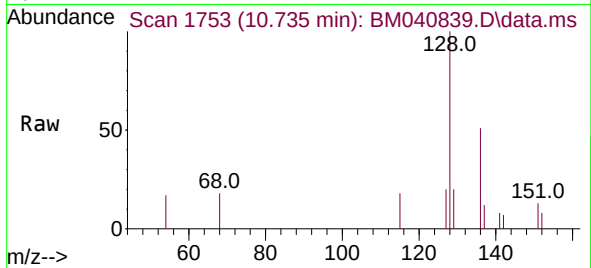
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.883	152	3470	0.400	ng/ul	0.00
4) Naphthalene-d8	10.686	136	12435	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.527	164	5534	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.282	188	8425	0.400	ng/ul	0.00
17) Chrysene-d12	21.477	240	5727	0.400	ng/ul	0.00
23) Perylene-d12	23.866	264	3600	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.296	96	1870	0.343	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.286	152	303	0.017	ng/ul	0.00
18) Fluoranthene-d10	19.310	212	437	0.024	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.735	128	1831	0.053	ng/ul#	81
10) Acenaphthylene	14.250	152	784	0.032	ng/ul#	53
12) Fluorene	15.577	166	485	0.022	ng/ul#	86
15) Phenanthrene	17.320	178	7162	0.274	ng/ul	95
16) Anthracene	17.413	178	2377	0.108	ng/ul#	78
19) Fluoranthene	19.338	202	14107	0.580	ng/ul	98
20) Pyrene	19.701	202	13828	0.530	ng/ul#	95
21) Benzo(a)anthracene	21.457	228	5144	0.266	ng/ul#	92
22) Chrysene	21.510	228	5269	0.238	ng/ul#	93
24) Benzo(b)fluoranthene	23.149	252	5931	0.426	ng/ul	77
25) Benzo(k)fluoranthene	23.176	252	3494m	0.254	ng/ul	
26) Benzo(a)pyrene	23.757	252	3536	0.282	ng/ul#	59
27) Indeno(1,2,3-cd)pyrene	26.344	276	2879	0.165	ng/ul#	44
28) Dibenzo(a,h)anthracene	26.364	278	571	0.042	ng/ul#	1
29) Benzo(g,h,i)perylene	27.102	276	614	0.040	ng/ul#	24

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



#5
Naphthalene
Concen: 0.053 ng/ul
RT: 10.735 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

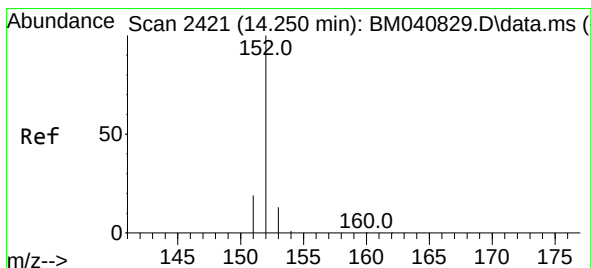
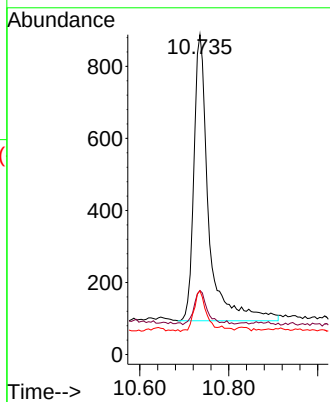
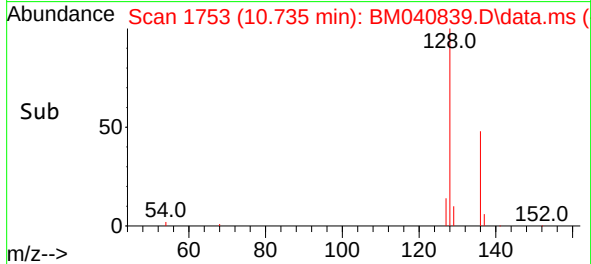
Instrument :
BNA_M
ClientSampleId :
A4637DL



Tgt Ion:128 Resp: 183
Ion Ratio Lower Upper
128 100
129 20.0 9.2 13.8
127 19.9 10.6 15.8

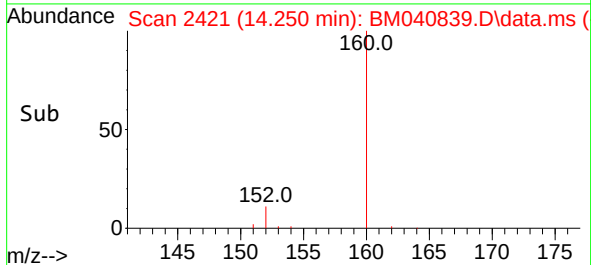
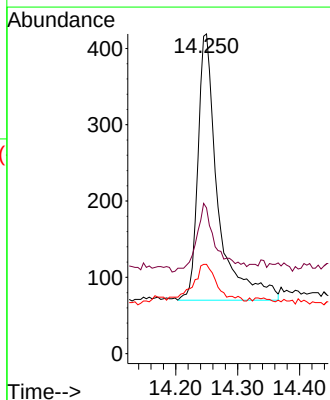
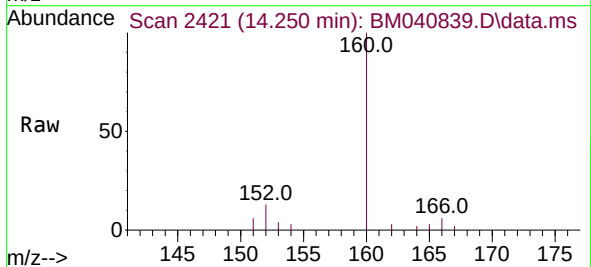
Manual Integrations
APPROVED

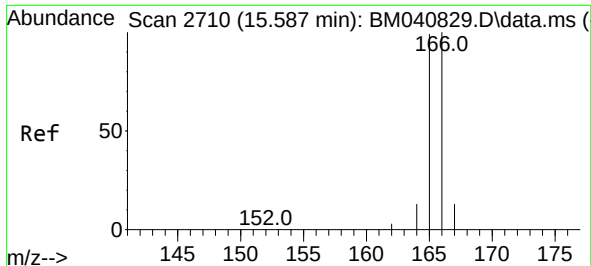
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#10
Acenaphthylene
Concen: 0.032 ng/ul
RT: 14.250 min Scan# 2421
Delta R.T. -0.005 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

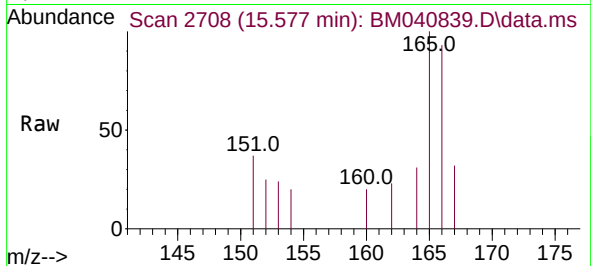
Tgt Ion:152 Resp: 784
Ion Ratio Lower Upper
152 100
151 45.6 16.2 24.2#
153 27.9 10.9 16.3#





#12
Fluorene
Concen: 0.022 ng/ul
RT: 15.577 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

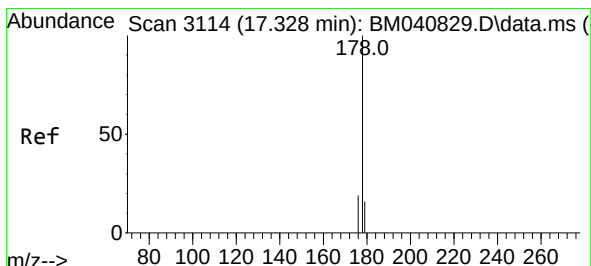
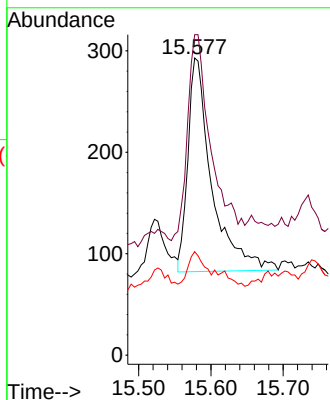
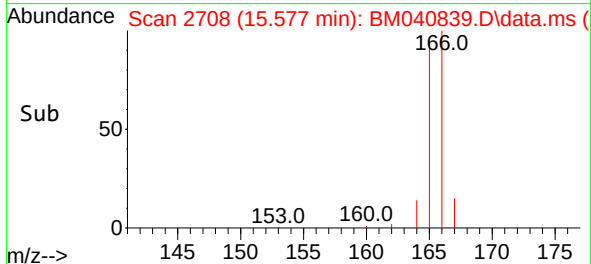
Instrument :
BNA_M
ClientSampleId :
A4637DL



Tgt Ion:166 Resp: 48
Ion Ratio Lower Upper
166 100
165 107.8 79.6 119.4
167 34.8 11.4 17.0

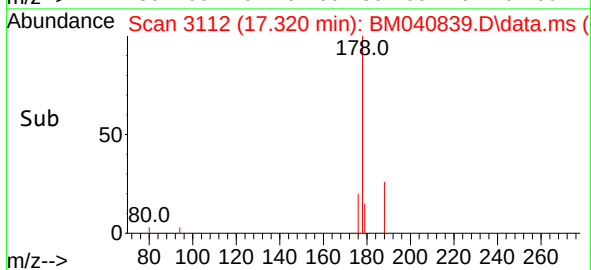
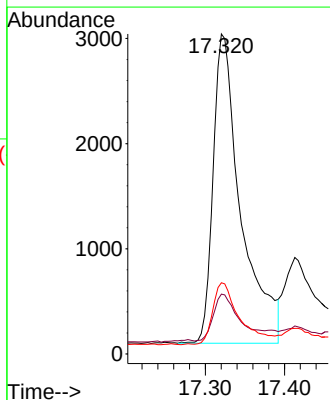
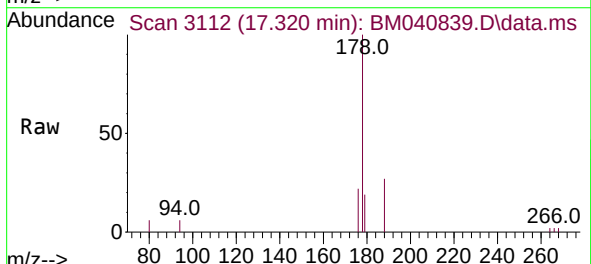
Manual Integrations
APPROVED

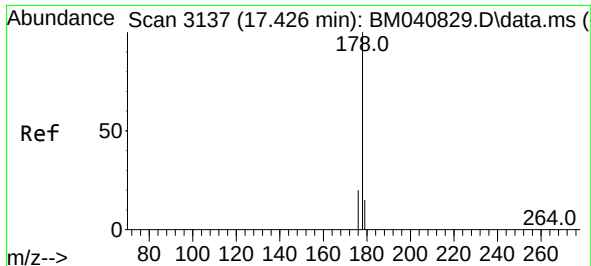
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#15
Phenanthrene
Concen: 0.274 ng/ul
RT: 17.320 min Scan# 3112
Delta R.T. -0.013 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

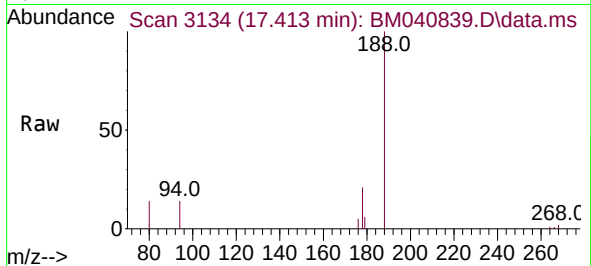
Tgt Ion:178 Resp: 7162
Ion Ratio Lower Upper
178 100
179 18.7 12.8 19.2
176 22.3 16.4 24.6





#16
 Anthracene
 Concen: 0.108 ng/ul
 RT: 17.413 min Scan# 3137
 Delta R.T. -0.017 min
 Lab File: BM040839.D
 Acq: 12 Jul 2023 16:44

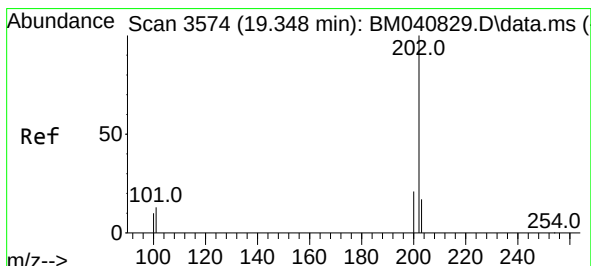
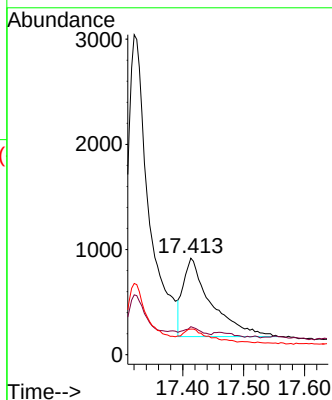
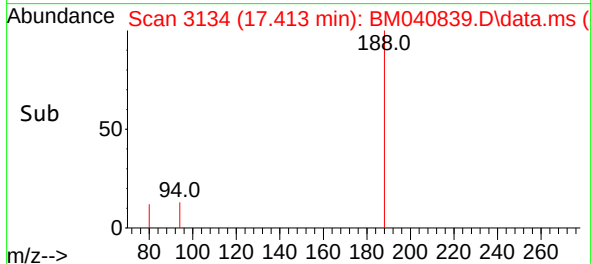
Instrument :
 BNA_M
 ClientSampleId :
 A4637DL



Tgt Ion:178 Resp: 237
 Ion Ratio Lower Upper
 178 100
 179 29.0 12.9 19.3
 176 26.5 15.8 23.6

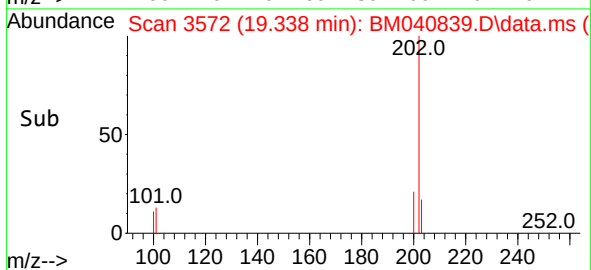
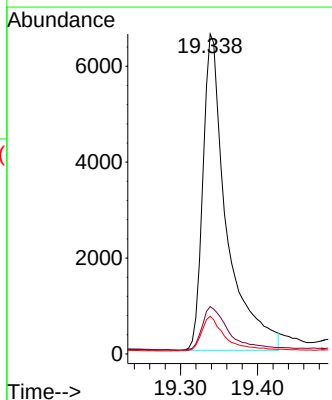
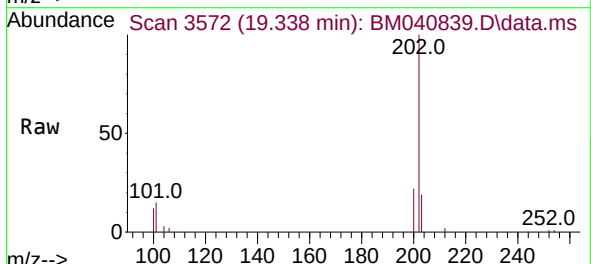
Manual Integrations
 APPROVED

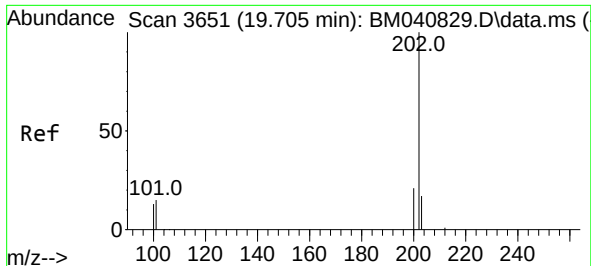
Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023



#19
 Fluoranthene
 Concen: 0.580 ng/ul
 RT: 19.338 min Scan# 3572
 Delta R.T. -0.014 min
 Lab File: BM040839.D
 Acq: 12 Jul 2023 16:44

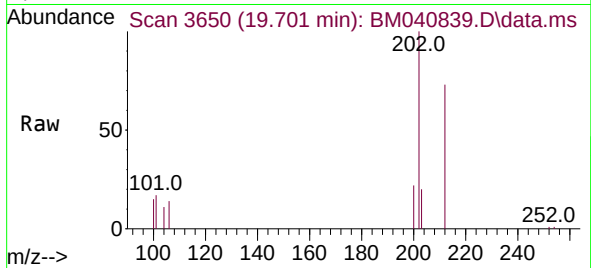
Tgt Ion:202 Resp: 14107
 Ion Ratio Lower Upper
 202 100
 101 14.8 11.4 17.0
 100 11.7 8.7 13.1





#20
Pyrene
Concen: 0.530 ng/u1
RT: 19.701 min Scan# 30
Delta R.T. -0.009 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

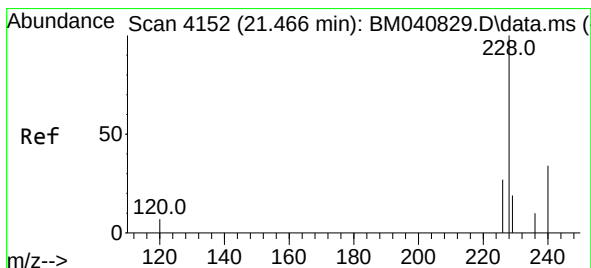
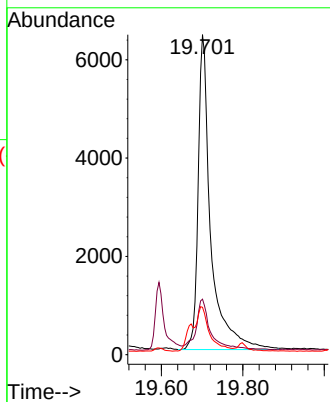
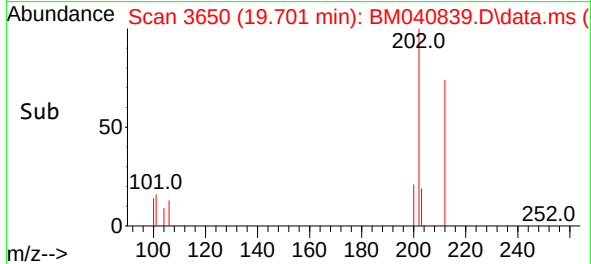
Instrument :
BNA_M
ClientSampleId :
A4637DL



Tgt Ion:202 Resp: 1382
Ion Ratio Lower Upper
202 100
101 17.3 12.6 18.8
100 14.8 9.8 14.6

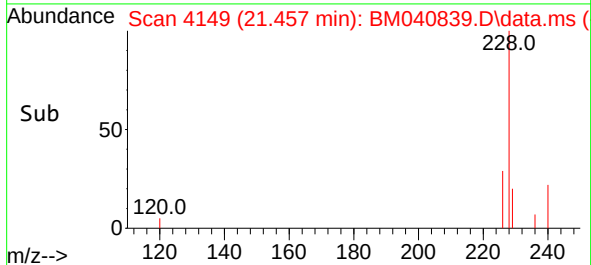
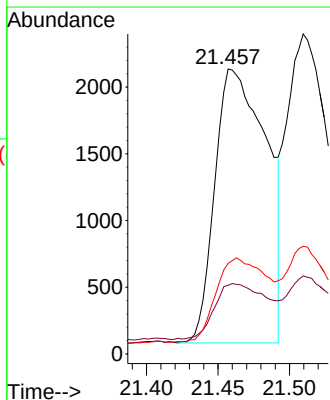
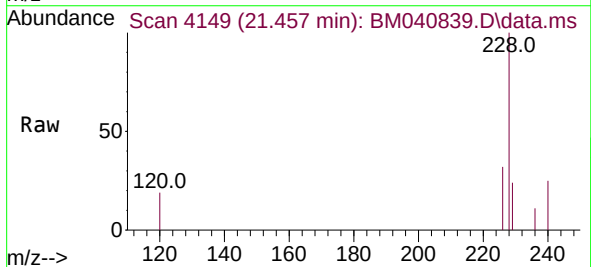
Manual Integrations
APPROVED

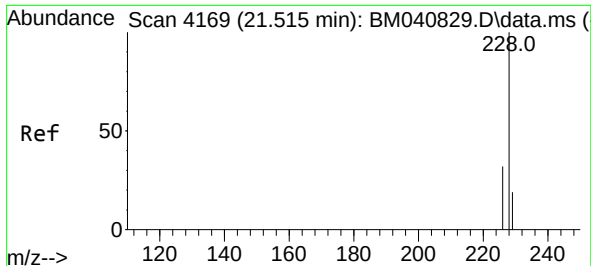
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#21
Benzo(a)anthracene
Concen: 0.266 ng/u1
RT: 21.457 min Scan# 4149
Delta R.T. -0.012 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

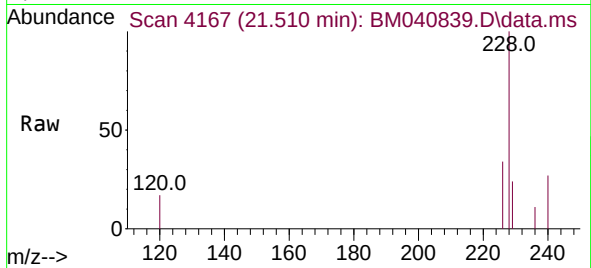
Tgt Ion:228 Resp: 5144
Ion Ratio Lower Upper
228 100
229 24.1 16.0 24.0#
226 31.8 22.3 33.5





#22
Chrysene
Concen: 0.238 ng/ul
RT: 21.510 min Scan# 4169
Delta R.T. -0.006 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

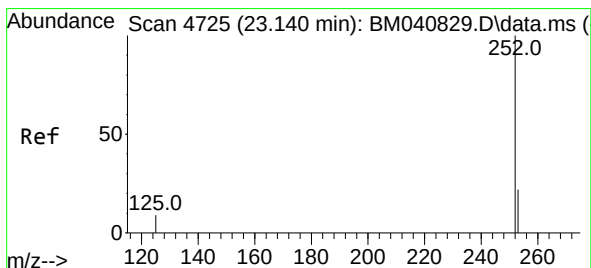
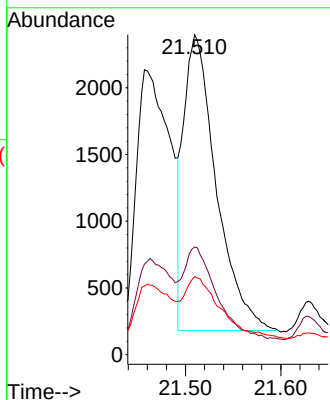
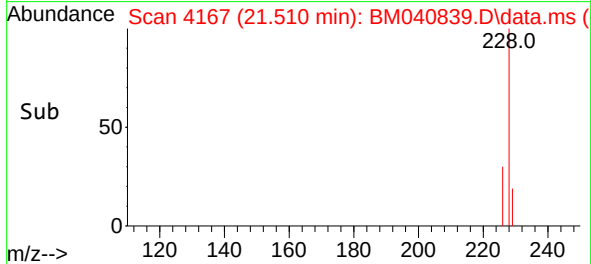
Instrument :
BNA_M
ClientSampleId :
A4637DL



Tgt Ion:228 Resp: 5269
Ion Ratio Lower Upper
228 100
226 33.7 24.9 37.3
229 24.4 15.8 23.6

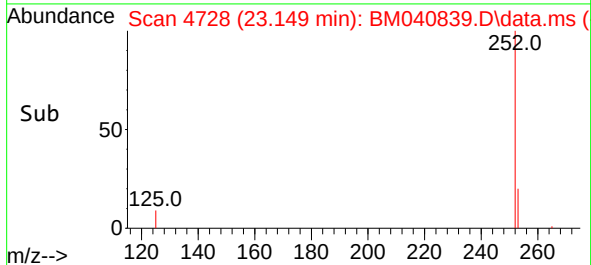
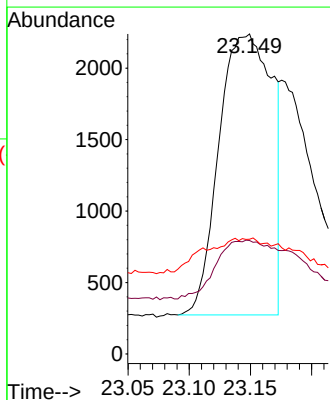
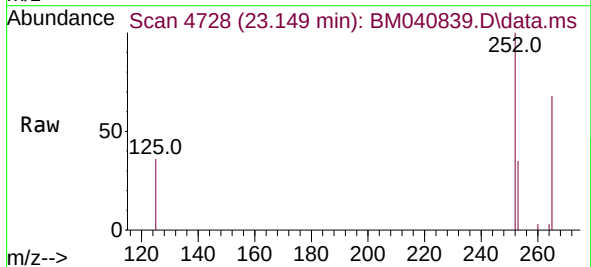
Manual Integrations
APPROVED

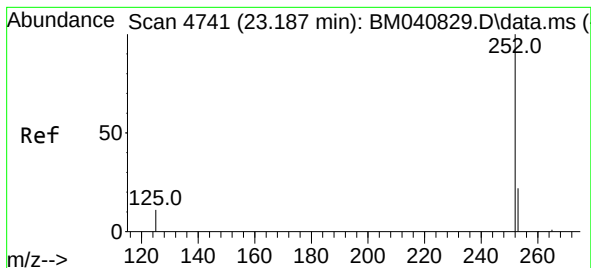
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#24
Benzo(b)fluoranthene
Concen: 0.426 ng/ul
RT: 23.149 min Scan# 4728
Delta R.T. 0.006 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

Tgt Ion:252 Resp: 5931
Ion Ratio Lower Upper
252 100
253 35.5 0.0 52.8
125 35.9 0.0 43.0





#25

Benzo(k)fluoranthene

Concen: 0.254 ng/ul m

RT: 23.176 min Scan# 4

Delta R.T. -0.015 min

Lab File: BM040839.D

Acq: 12 Jul 2023 16:44

Instrument :

BNM_M

ClientSampleId :

A4637DL

Tgt Ion:252 Resp: 3494

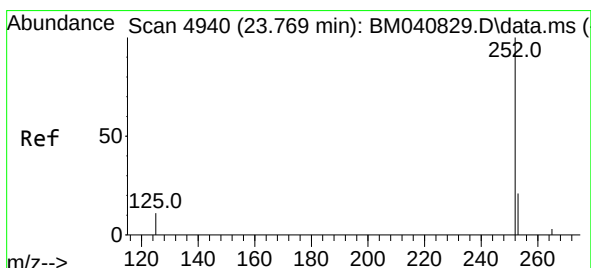
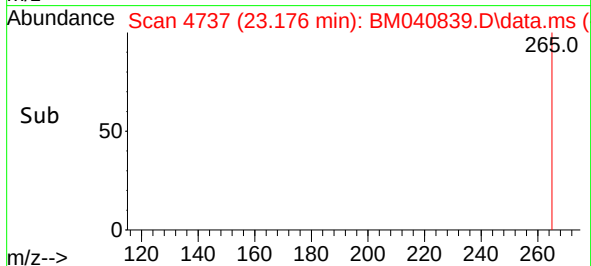
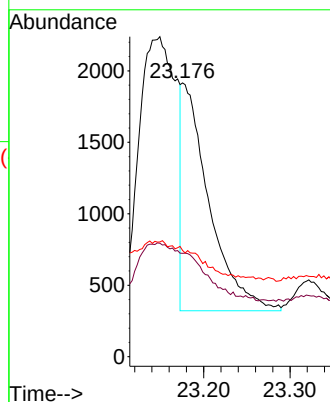
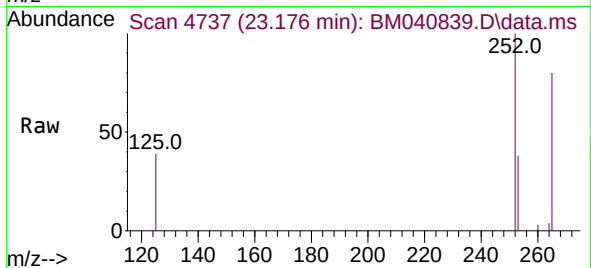
Ion	Ratio	Lower	Upper
252	100		
253	37.8	21.2	31.8
125	38.9	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#26

Benzo(a)pyrene

Concen: 0.282 ng/ul

RT: 23.757 min Scan# 4936

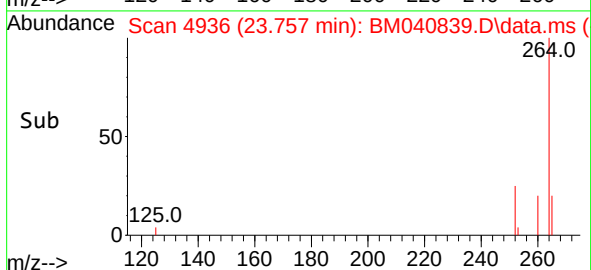
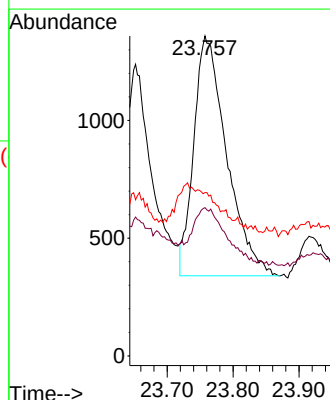
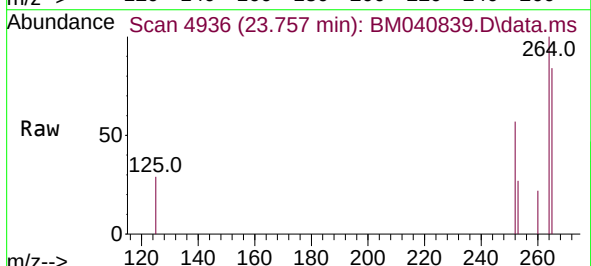
Delta R.T. -0.015 min

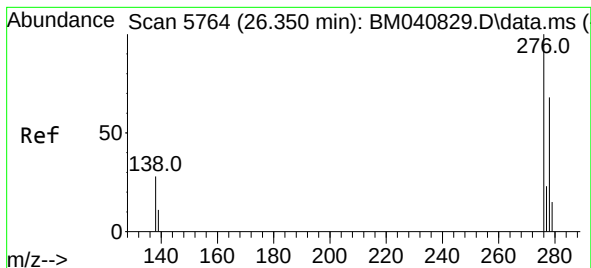
Lab File: BM040839.D

Acq: 12 Jul 2023 16:44

Tgt Ion:252 Resp: 3536

Ion	Ratio	Lower	Upper
252	100		
253	46.4	22.9	34.3
125	51.1	21.0	31.4





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.165 ng/ul

RT: 26.344 min Scan# 5762

Delta R.T. -0.020 min

Lab File: BM040839.D

Acq: 12 Jul 2023 16:44

Instrument :

BNA_M

ClientSampleId :

A4637DL

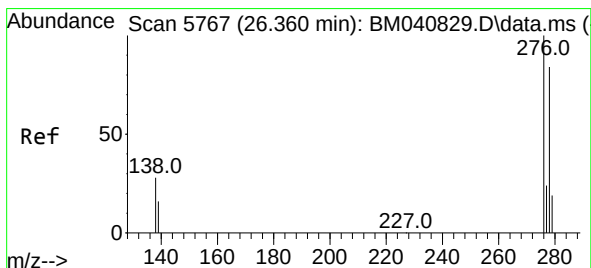
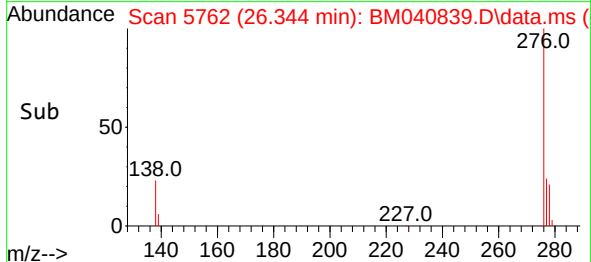
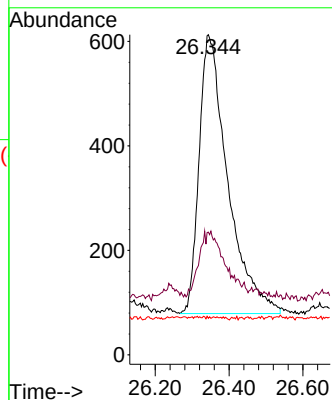
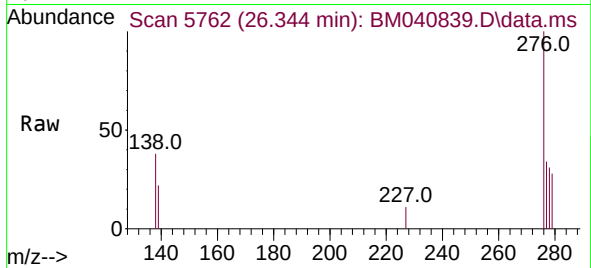
Tgt Ion:	276	Resp:	2879
Ion Ratio	Lower	Upper	
276	100		
138	0.0	24.5	36.7
227	0.1	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#28

Dibenzo(a,h)anthracene

Concen: 0.042 ng/ul

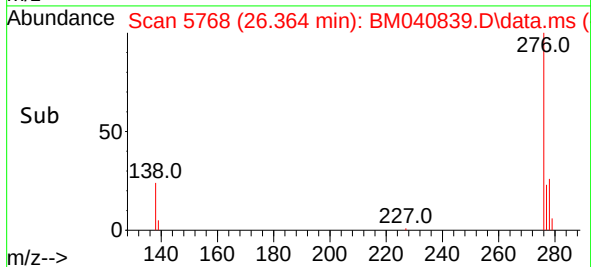
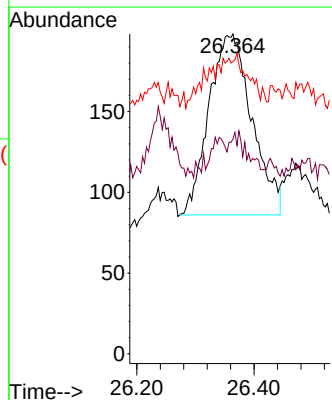
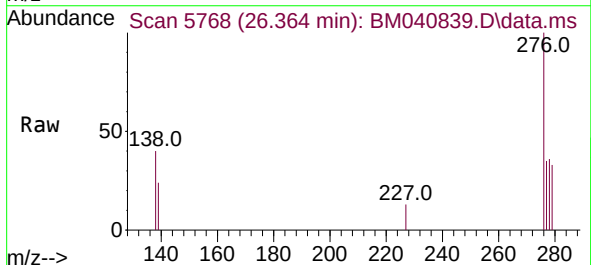
RT: 26.364 min Scan# 5768

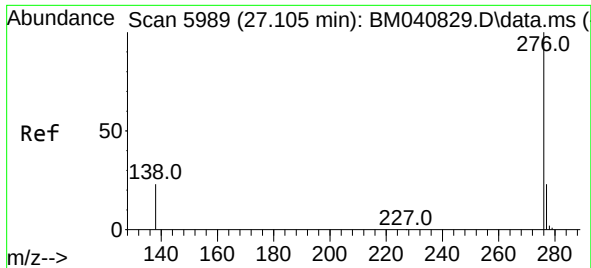
Delta R.T. -0.010 min

Lab File: BM040839.D

Acq: 12 Jul 2023 16:44

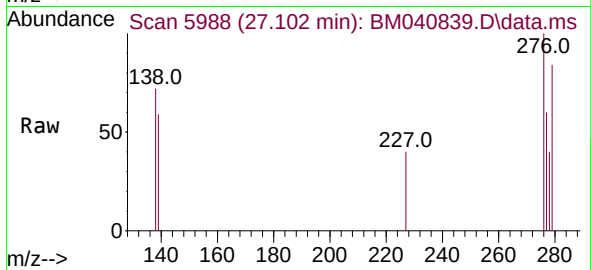
Tgt Ion:	278	Resp:	571
Ion Ratio	Lower	Upper	
278	100		
139	67.2	17.9	26.9
279	91.4	22.0	33.0





#29
Benzo(g,h,i)perylene
Concen: 0.040 ng/ul
RT: 27.102 min Scan# 5988
Delta R.T. -0.010 min
Lab File: BM040839.D
Acq: 12 Jul 2023 16:44

Instrument :
BNA_M
ClientSampleId :
A4637DL



Tgt Ion:276 Resp: 614
Ion Ratio Lower Upper
276 100
138 72.3 23.0 34.6
277 60.5 20.3 30.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

