

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
 Data File : BM040949.D
 Acq On : 18 Jul 2023 10:56
 Operator : MA/JU
 Sample : 03458-25DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46L5DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 18 22:26:19 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 : Tue Jul 18 22:24:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	6034	0.400	ng/ul	0.00
4) Naphthalene-d8	10.653	136	14504	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.500	164	5878	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	10422	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	8167	0.400	ng/ul	0.00
23) Perylene-d12	23.819	264	9197	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	3969	0.419	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.247	152	705	0.035	ng/ul	0.00
18) Fluoranthene-d10	19.278	212	896	0.034	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.702	128	27633	0.691	ng/ul	99
7) 2-Methylnaphthalene	12.319	142	5511	0.235	ng/ul	100
8) 1-Methylnaphthalene	12.539	142	3412	0.145	ng/ul	99
10) Acenaphthylene	14.222	152	3233	0.123	ng/ul#	91
11) Acenaphthene	14.560	153	41653	1.878	ng/ul	98
12) Fluorene	15.550	166	36802	1.555	ng/ul	100
15) Phenanthrene	17.291	178	463123	14.306	ng/ul	98
16) Anthracene	17.384	178	85356	3.138	ng/ul	99
19) Fluoranthene	19.311	202	620291	17.880	ng/ul	97
20) Pyrene	19.673	202	208221	5.598	ng/ul	99
21) Benzo(a)anthracene	21.428	228	209866	7.597	ng/ul	100
22) Chrysene	21.480	228	189767	6.022	ng/ul	98
24) Benzo(b)fluoranthene	23.097	252	240747	6.764	ng/ul	88
25) Benzo(k)fluoranthene	23.141	252	83693m	2.386	ng/ul	
26) Benzo(a)pyrene	23.711	252	31983	0.998	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.270	276	39091	0.875	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.277	278	26003	0.744	ng/ul	97
29) Benzo(g,h,i)perylene	27.025	276	1718	0.044	ng/ul#	48

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

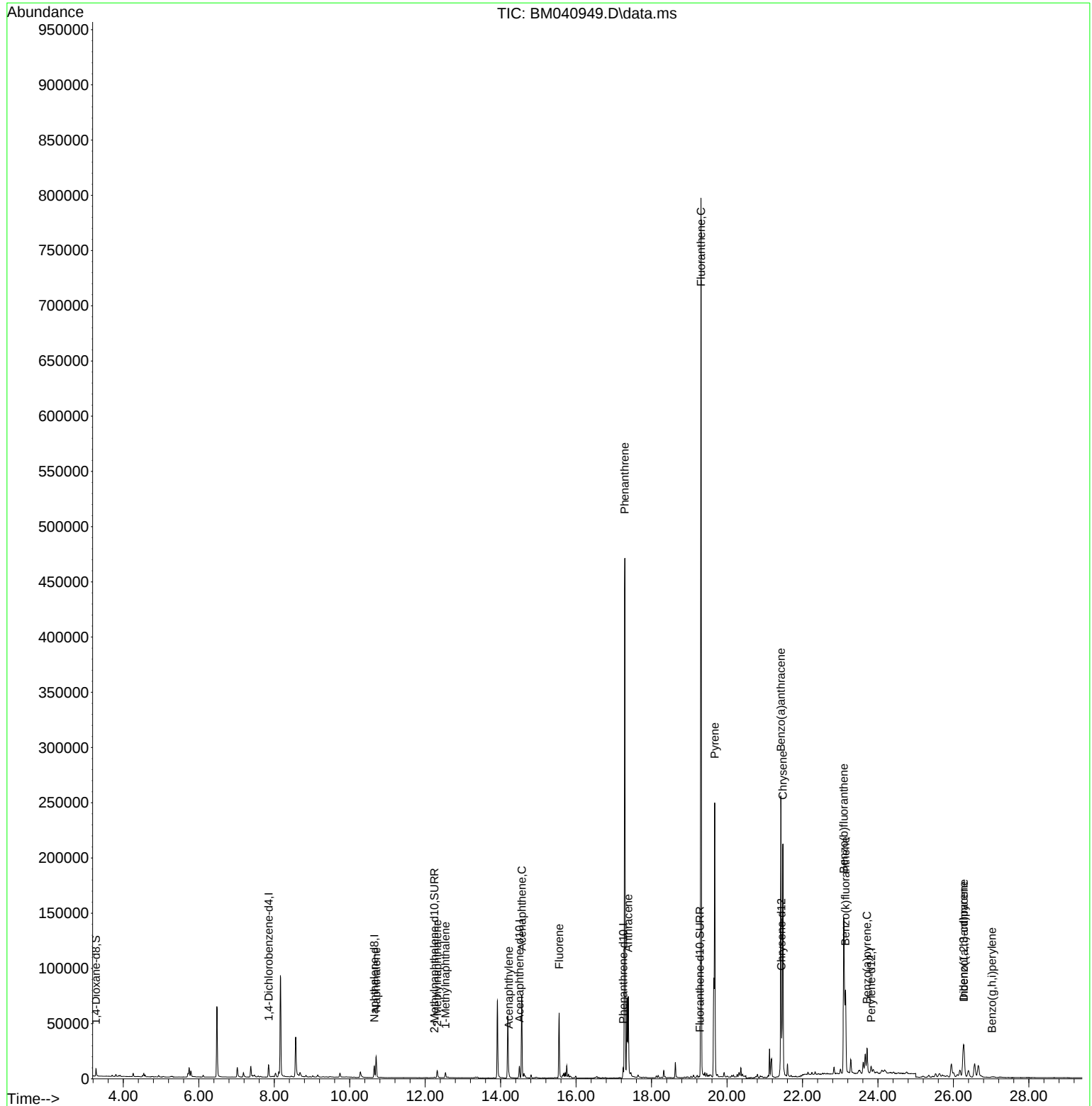
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
Data File : BM040949.D
Acq On : 18 Jul 2023 10:56
Operator : MA/JU
Sample : 03458-25DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

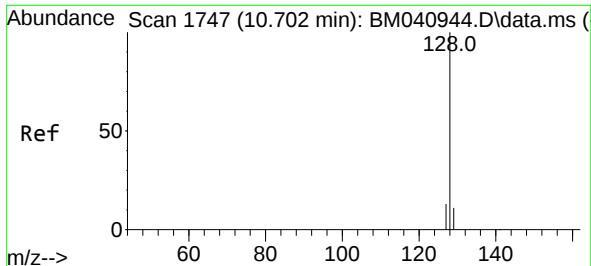
Instrument :
BNA_M
ClientSampleId :
A46L5DL

Quant Time: Jul 18 22:26:19 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 : Tue Jul 18 22:24:09 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

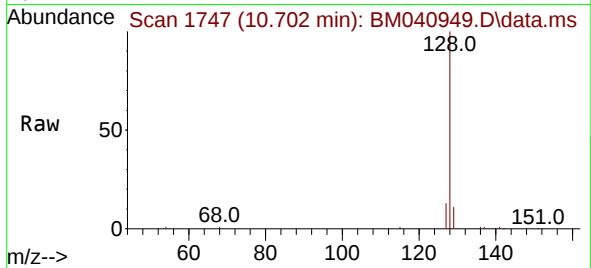
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#5
Naphthalene
Concen: 0.691 ng/ul
RT: 10.702 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

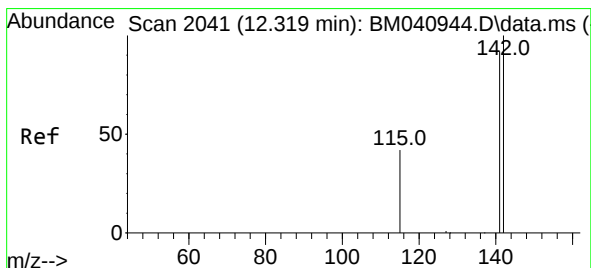
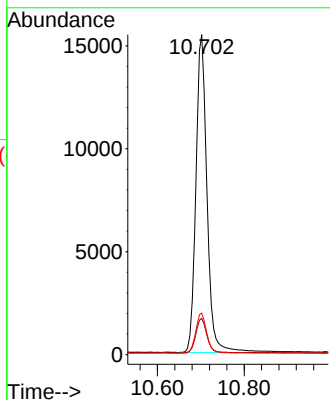
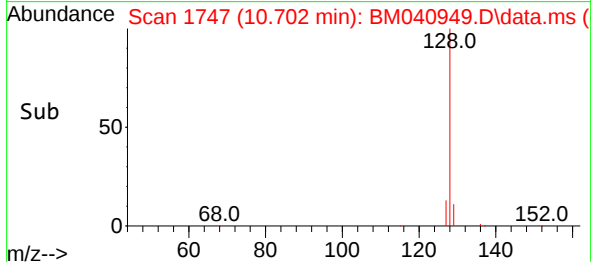
Instrument :
BNA_M
ClientSampleId :
A46L5DL



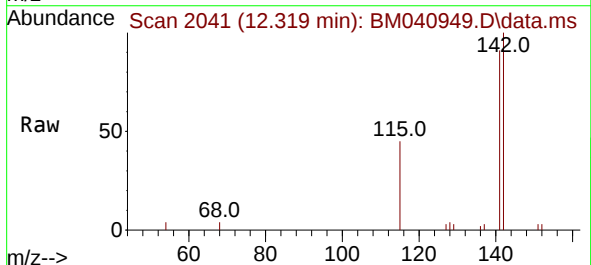
Tgt Ion:128 Resp: 2763
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.0 10.6 15.8

Manual Integrations
APPROVED

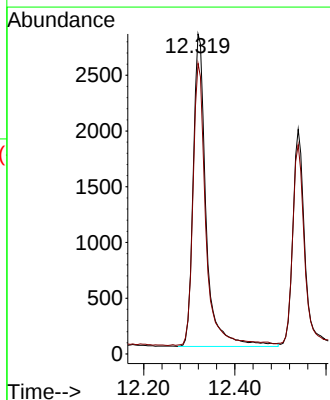
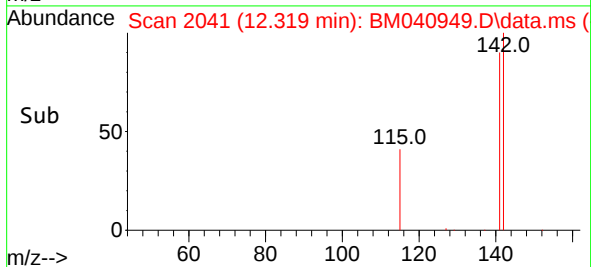
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

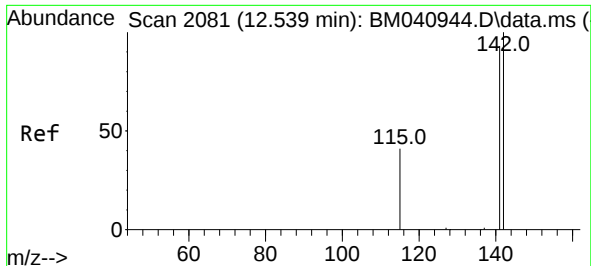


#7
2-Methylnaphthalene
Concen: 0.235 ng/ul
RT: 12.319 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56



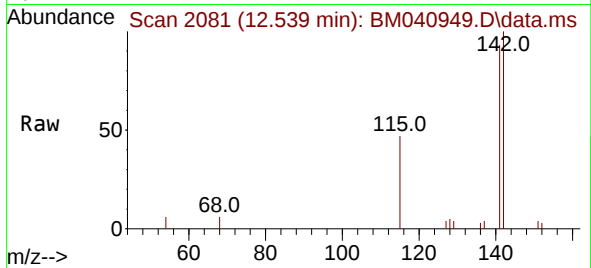
Tgt Ion:142 Resp: 5511
Ion Ratio Lower Upper
142 100
141 90.0 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.145 ng/ul
RT: 12.539 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

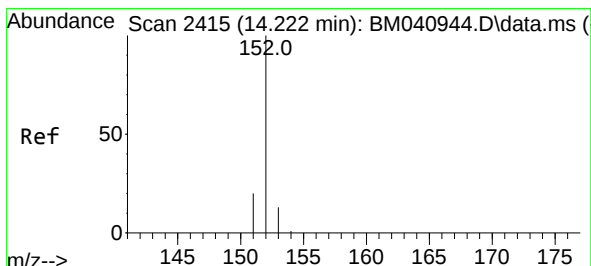
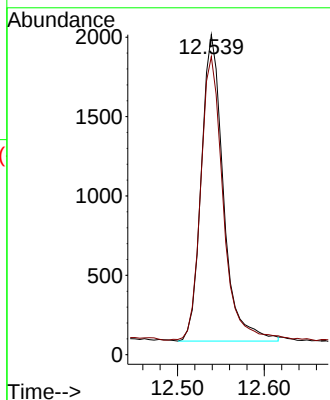
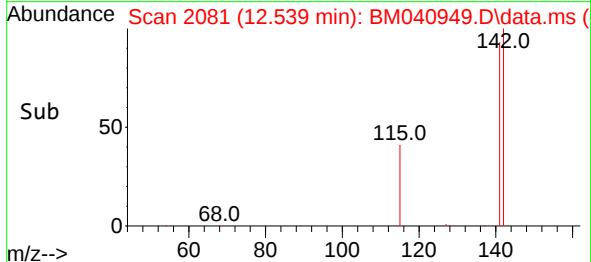
Instrument :
BNA_M
ClientSampleId :
A46L5DL



Tgt Ion:142 Resp: 3412
Ion Ratio Lower Upper
142 100
141 93.5 73.7 110.5

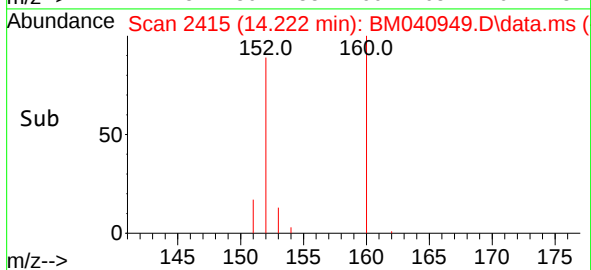
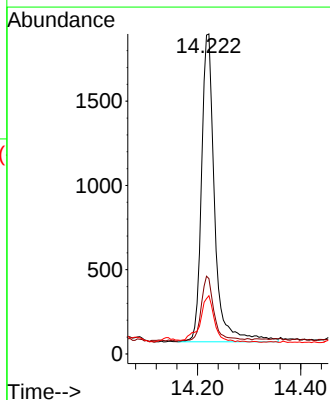
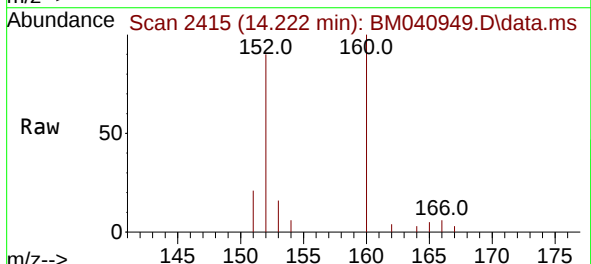
Manual Integrations
APPROVED

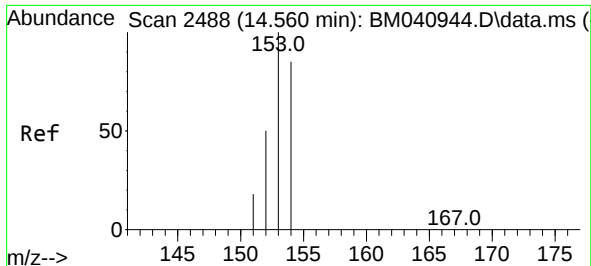
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#10
Acenaphthylene
Concen: 0.123 ng/ul
RT: 14.222 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

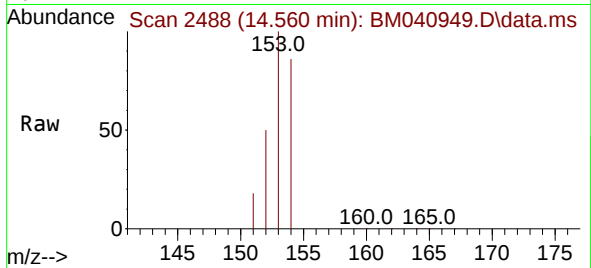
Tgt Ion:152 Resp: 3233
Ion Ratio Lower Upper
152 100
151 23.5 16.2 24.2
153 18.2 10.9 16.3#





#11
Acenaphthene
Concen: 1.878 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

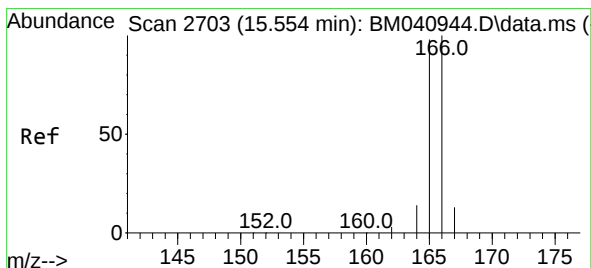
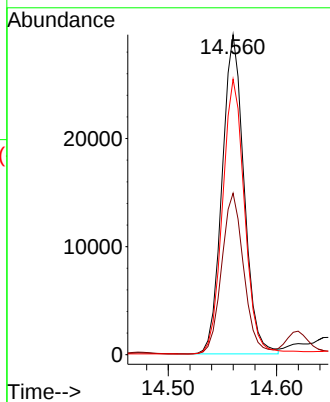
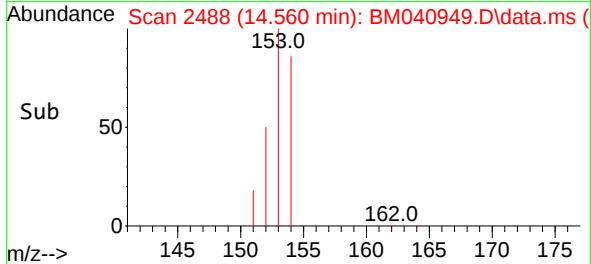
Instrument :
BNA_M
ClientSampleId :
A46L5DL



Tgt Ion:153 Resp: 4165
Ion Ratio Lower Upper
153 100
152 50.4 41.0 61.4
154 86.1 70.8 106.2

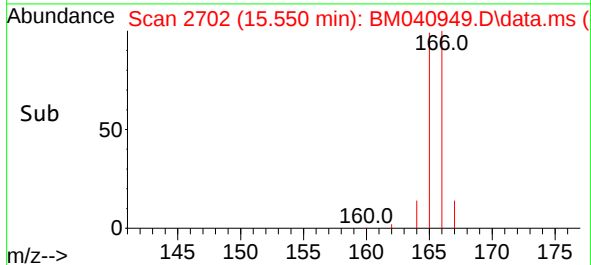
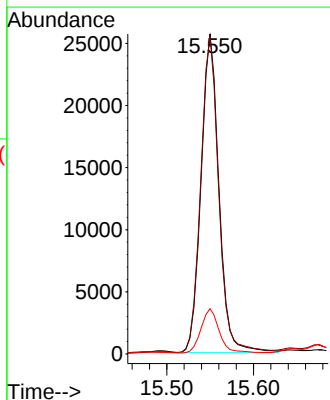
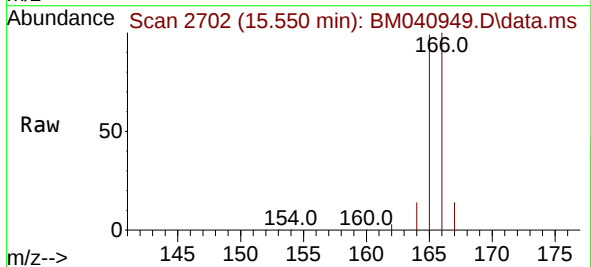
Manual Integrations
APPROVED

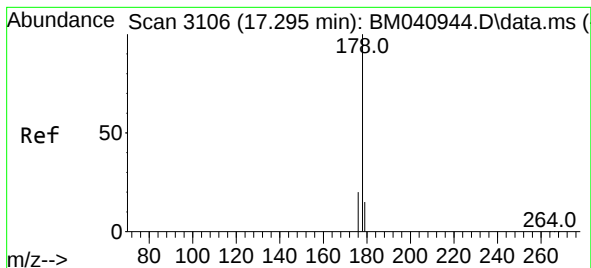
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#12
Fluorene
Concen: 1.555 ng/ul
RT: 15.550 min Scan# 2702
Delta R.T. -0.005 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

Tgt Ion:166 Resp: 36802
Ion Ratio Lower Upper
166 100
165 99.3 79.6 119.4
167 14.1 11.4 17.0





#15

Phenanthrene

Concen: 14.306 ng/uI

RT: 17.291 min Scan# 3106

Delta R.T. -0.004 min

Lab File: BM040949.D

Acq: 18 Jul 2023 10:56

Instrument :

BNA_M

ClientSampleId :

A46L5DL

Tgt Ion:178 Resp: 46312

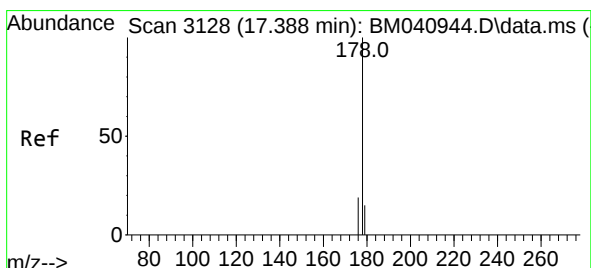
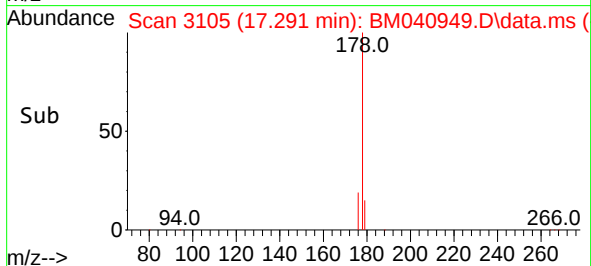
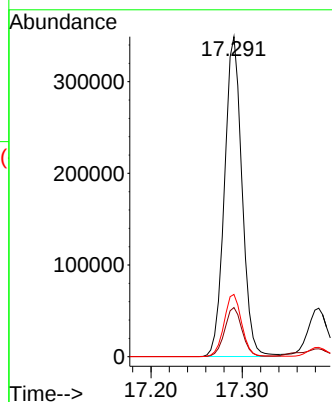
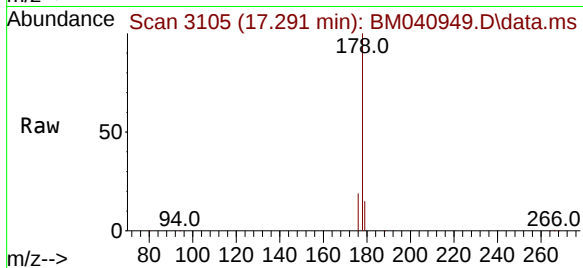
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.8	19.2
176	19.5	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#16

Anthracene

Concen: 3.138 ng/uI

RT: 17.384 min Scan# 3127

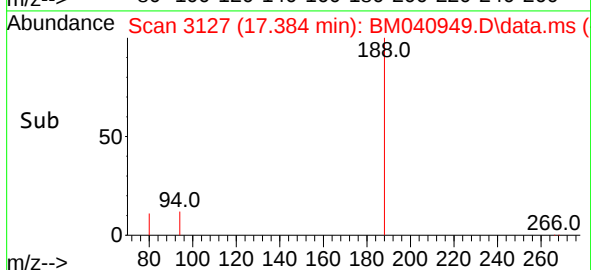
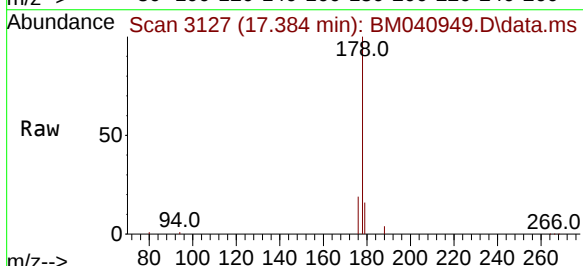
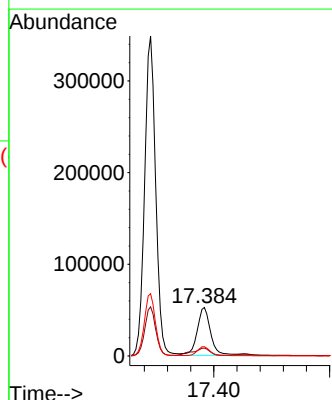
Delta R.T. -0.004 min

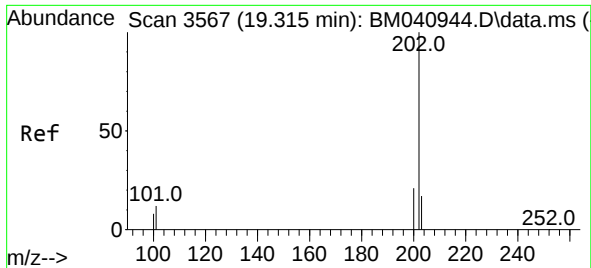
Lab File: BM040949.D

Acq: 18 Jul 2023 10:56

Tgt Ion:178 Resp: 85356

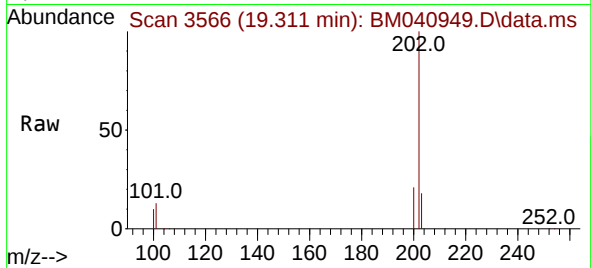
Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.9	19.3
176	19.2	15.8	23.6





#19
Fluoranthene
Concen: 17.880 ng/u1
RT: 19.311 min Scan# 3566
Delta R.T. -0.005 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

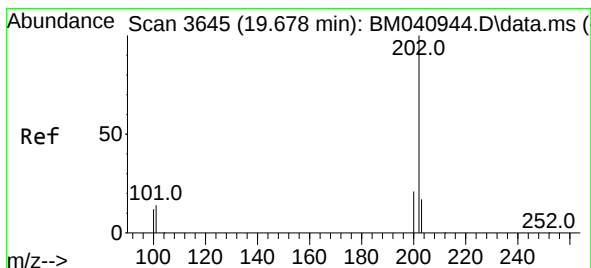
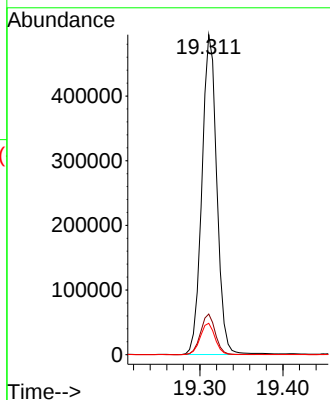
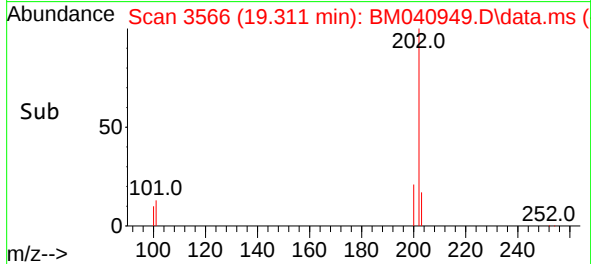
Instrument :
BNA_M
ClientSampleId :
A46L5DL



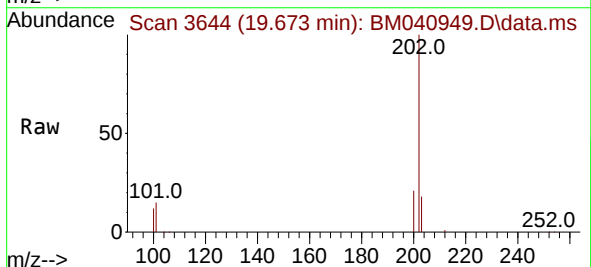
Tgt Ion:202 Resp: 62029
Ion Ratio Lower Upper
202 100
101 12.7 11.4 17.0
100 9.8 8.7 13.1

Manual Integrations
APPROVED

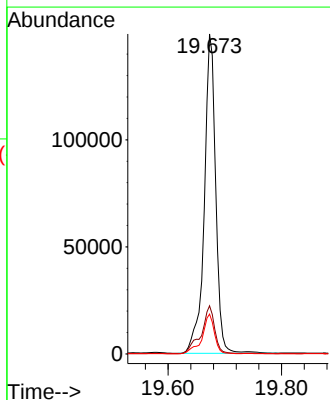
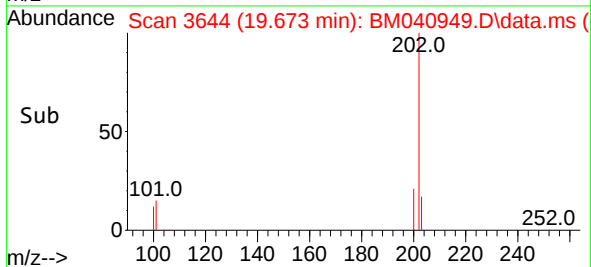
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

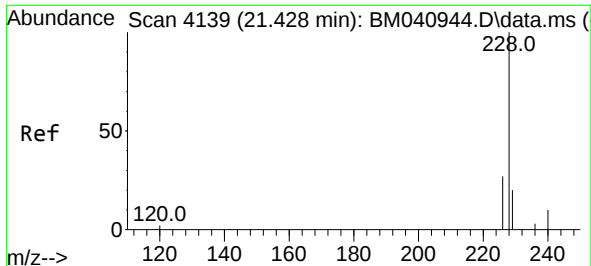


#20
Pyrene
Concen: 5.598 ng/u1
RT: 19.673 min Scan# 3644
Delta R.T. -0.005 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56



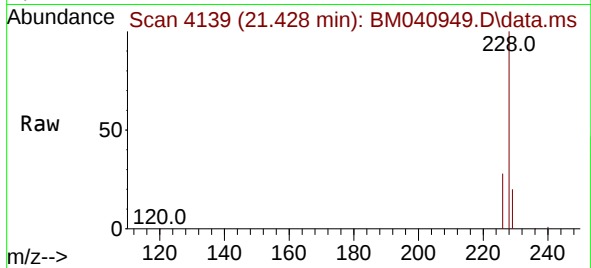
Tgt Ion:202 Resp: 208221
Ion Ratio Lower Upper
202 100
101 15.1 12.6 18.8
100 12.4 9.8 14.6





#21
Benzo(a)anthracene
Concen: 7.597 ng/ul
RT: 21.428 min Scan# 4139
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

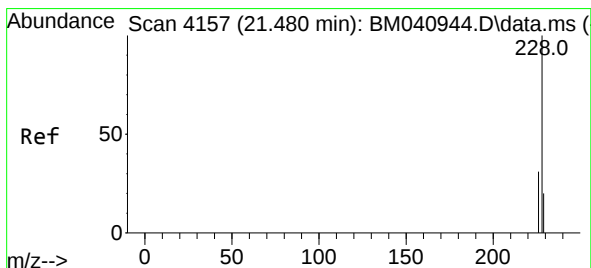
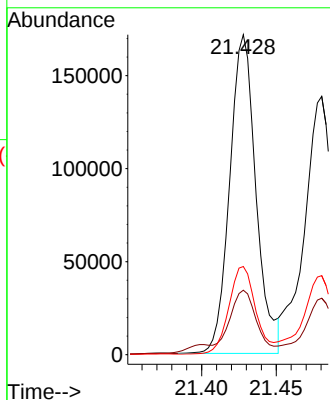
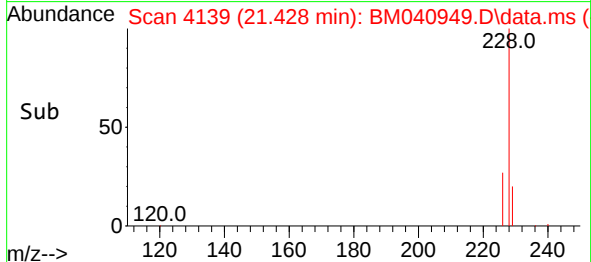
Instrument :
BNA_M
ClientSampleId :
A46L5DL



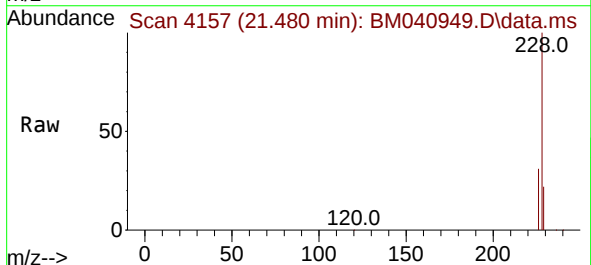
Tgt Ion:228 Resp: 209860
Ion Ratio Lower Upper
228 100
229 20.1 16.0 24.0
226 27.6 22.3 33.5

Manual Integrations
APPROVED

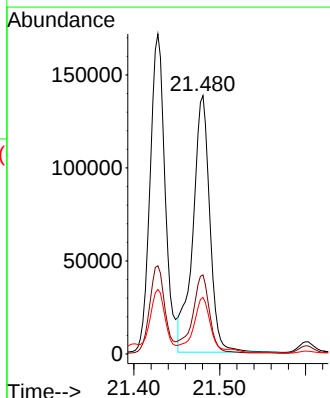
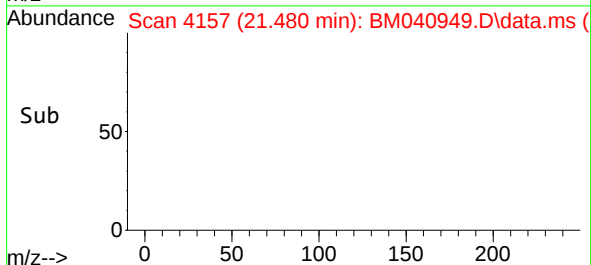
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

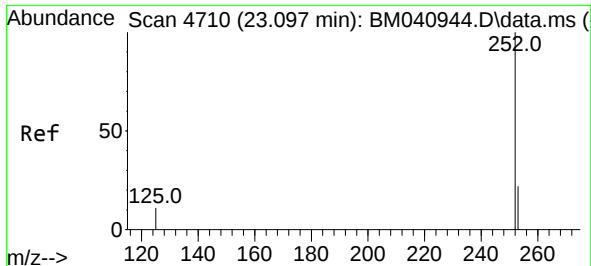


#22
Chrysene
Concen: 6.022 ng/ul
RT: 21.480 min Scan# 4157
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56



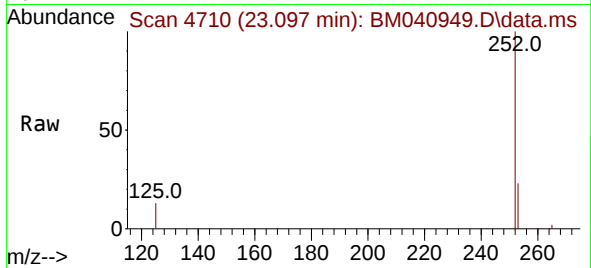
Tgt Ion:228 Resp: 189767
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 21.9 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 6.764 ng/ul
RT: 23.097 min Scan# 4710
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

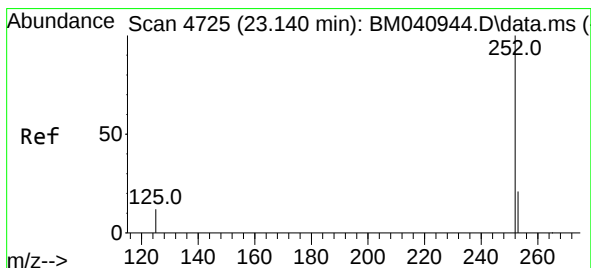
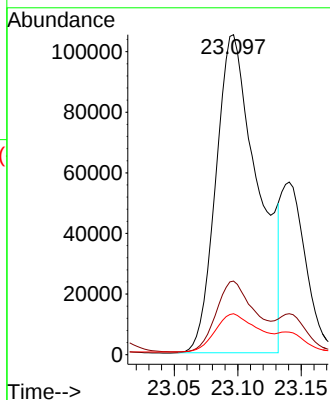
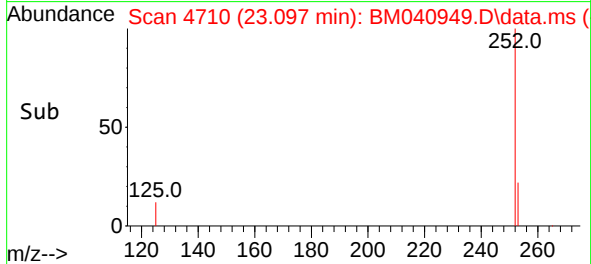
Instrument :
BNA_M
ClientSampleId :
A46L5DL



Tgt Ion:252 Resp: 24074
Ion Ratio Lower Upper
252 100
253 23.0 0.0 52.8
125 12.8 0.0 43.0

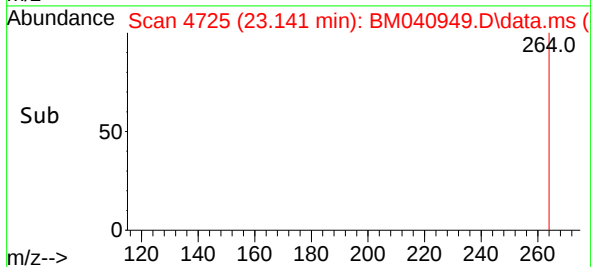
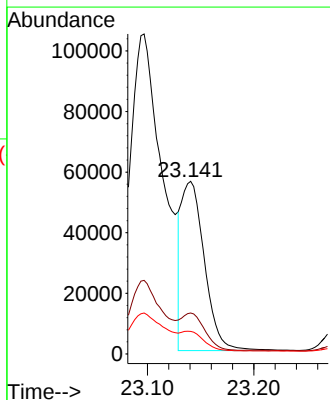
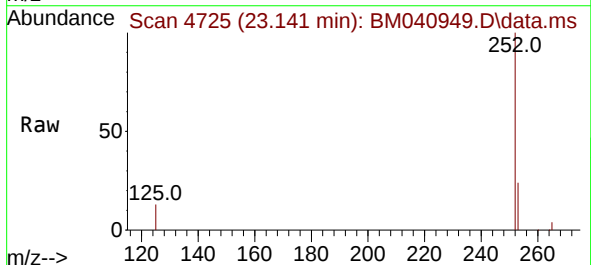
Manual Integrations
APPROVED

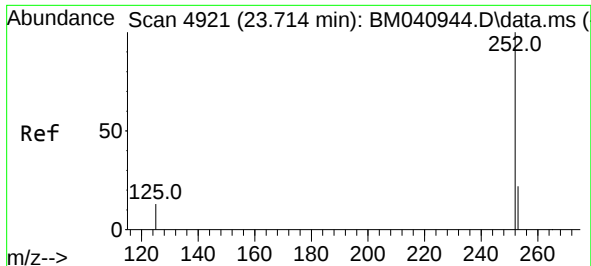
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#25
Benzo(k)fluoranthene
Concen: 2.386 ng/ul m
RT: 23.141 min Scan# 4725
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

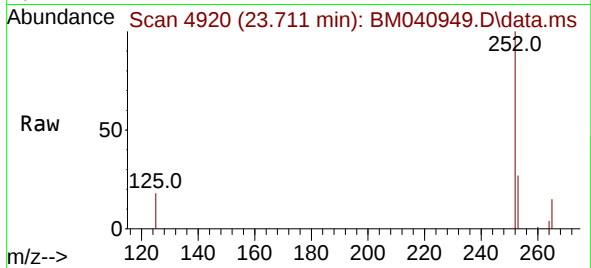
Tgt Ion:252 Resp: 83693
Ion Ratio Lower Upper
252 100
253 23.7 21.2 31.8
125 13.0 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 0.998 ng/ul
RT: 23.711 min Scan# 4921
Delta R.T. -0.003 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

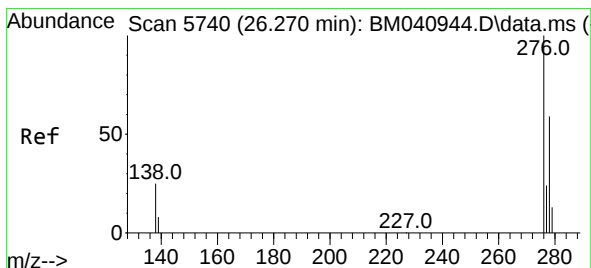
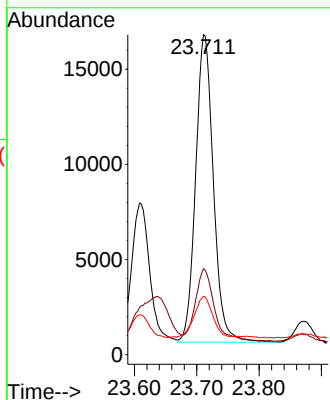
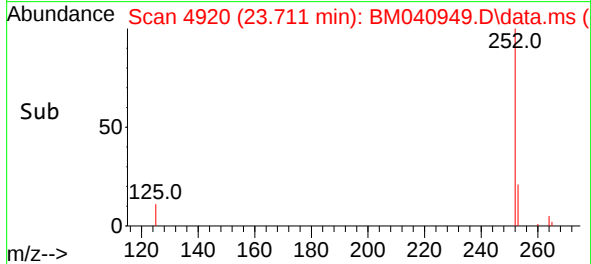
Instrument :
BNA_M
ClientSampleId :
A46L5DL



Tgt Ion:252 Resp: 3198
Ion Ratio Lower Upper
252 100
253 26.9 22.9 34.3
125 18.2 21.0 31.4

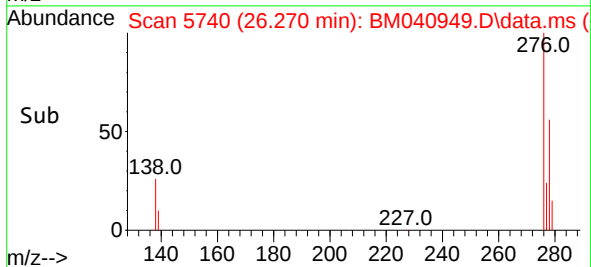
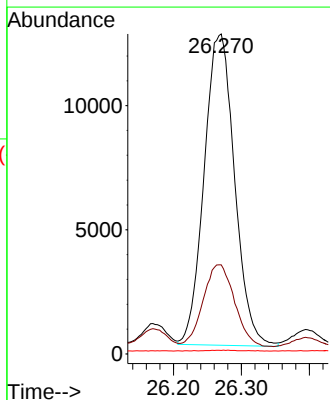
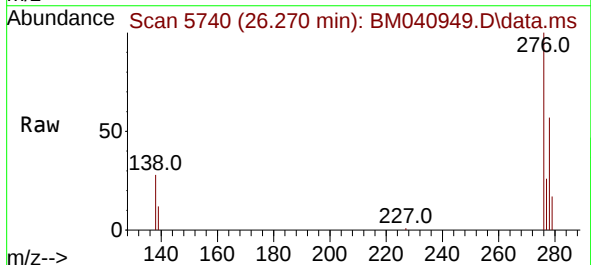
Manual Integrations
APPROVED

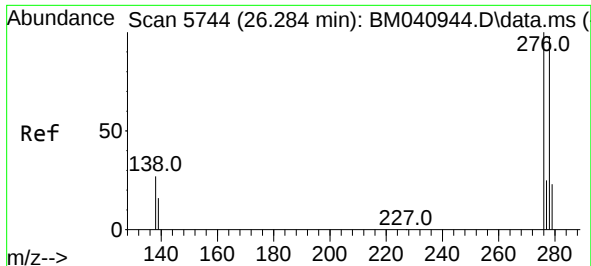
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.875 ng/ul
RT: 26.270 min Scan# 5740
Delta R.T. 0.000 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

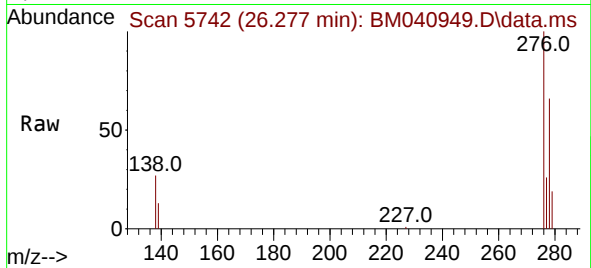
Tgt Ion:276 Resp: 39091
Ion Ratio Lower Upper
276 100
138 27.4 24.5 36.7
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.744 ng/ul
RT: 26.277 min Scan# 51
Delta R.T. -0.007 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

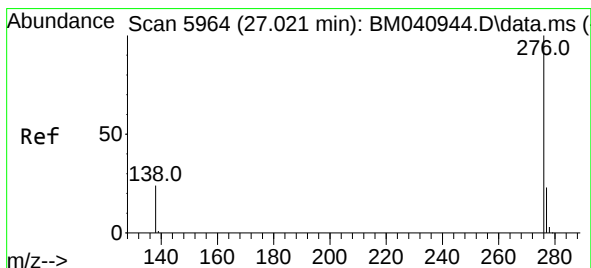
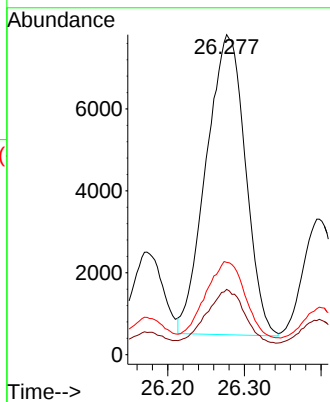
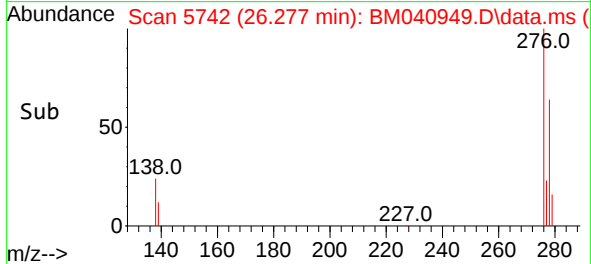
Instrument :
BNA_M
ClientSampleId :
A46L5DL



Tgt Ion:278 Resp: 2600
Ion Ratio Lower Upper
278 100
139 20.4 17.9 26.9
279 28.9 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#29
Benzo(g,h,i)perylene
Concen: 0.044 ng/ul
RT: 27.025 min Scan# 5965
Delta R.T. 0.003 min
Lab File: BM040949.D
Acq: 18 Jul 2023 10:56

Tgt Ion:276 Resp: 1718
Ion Ratio Lower Upper
276 100
138 55.4 23.0 34.6#
277 52.3 20.3 30.5#

