

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
 Data File : BM040947.D
 Acq On : 18 Jul 2023 09:42
 Operator : MA/JU
 Sample : 03458-16DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46M9DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 22:25:59 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	7.849	152	4542	0.400	ng/ul	0.00
4) Naphthalene-d8	10.653	136	20561	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.495	164	6487	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	15474	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	8971	0.400	ng/ul	0.00
23) Perylene-d12	23.816	264	9792	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	5999	0.841	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.247	152	958	0.033	ng/ul	0.00
18) Fluoranthene-d10	19.278	212	1315	0.046	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.702	128	5002	0.088	ng/ul#	94
7) 2-Methylnaphthalene	12.324	142	1016	0.031	ng/ul	98
8) 1-Methylnaphthalene	12.539	142	2023	0.061	ng/ul	95
10) Acenaphthylene	14.217	152	1413	0.049	ng/ul#	75
11) Acenaphthene	14.560	153	8272	0.338	ng/ul	99
12) Fluorene	15.550	166	8024	0.307	ng/ul	99
15) Phenanthrene	17.291	178	63053	1.312	ng/ul	99
16) Anthracene	17.379	178	9856	0.244	ng/ul	98
19) Fluoranthene	19.311	202	57600	1.512	ng/ul	97
20) Pyrene	19.673	202	29714	0.727	ng/ul	99
21) Benzo(a)anthracene	21.428	228	17999	0.593	ng/ul	98
22) Chrysene	21.478	228	17939	0.518	ng/ul	97
24) Benzo(b)fluoranthene	23.094	252	22142	0.584	ng/ul	98
25) Benzo(k)fluoranthene	23.138	252	7554m	0.202	ng/ul	
26) Benzo(a)pyrene	23.711	252	4649	0.136	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	26.263	276	5214	0.110	ng/ul	91
28) Dibenzo(a,h)anthracene	26.277	278	2324	0.062	ng/ul#	62

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

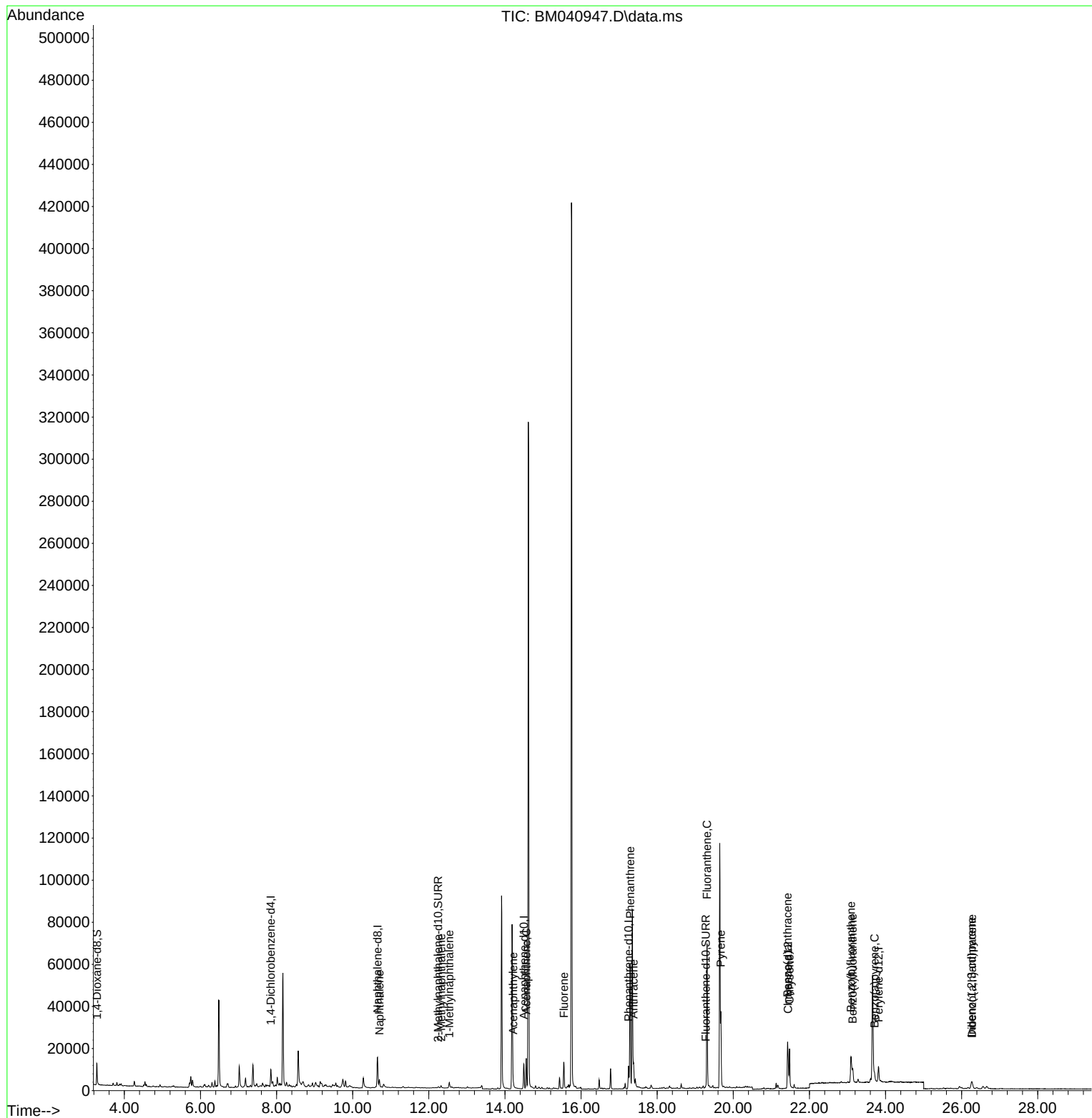
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
Data File : BM040947.D
Acq On : 18 Jul 2023 09:42
Operator : MA/JU
Sample : 03458-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

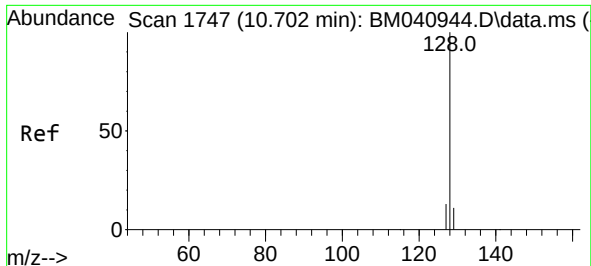
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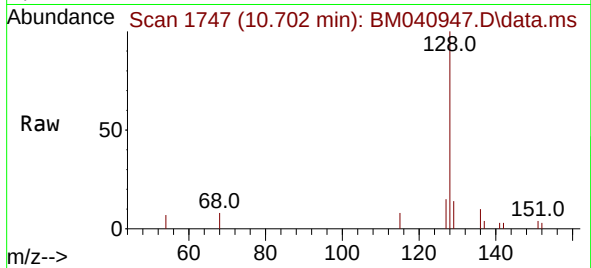
Quant Time: Jul 18 22:25:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 22:24:09 2023
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#5
Naphthalene
Concen: 0.088 ng/ul
RT: 10.702 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

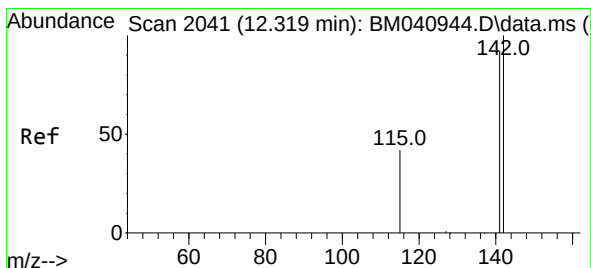
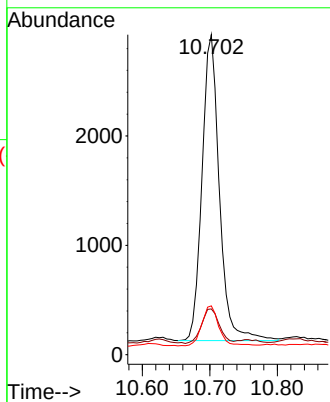
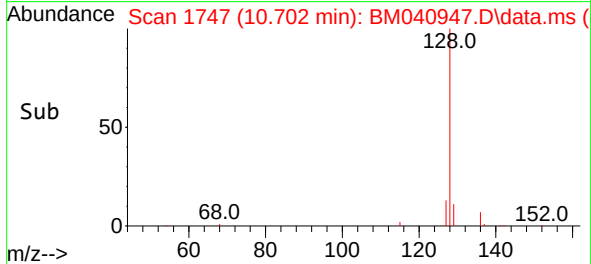
Instrument :
BNA_M
ClientSampleId :
A46M9DL



Tgt Ion:128 Resp: 500
Ion Ratio Lower Upper
128 100
129 14.3 9.2 13.8
127 15.2 10.6 15.8

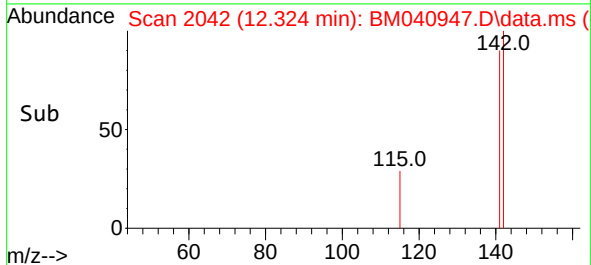
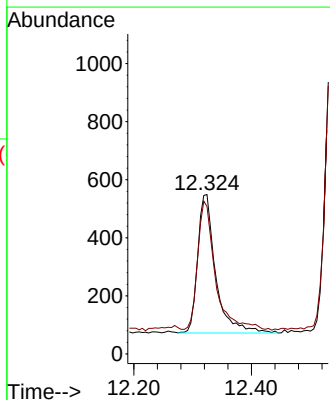
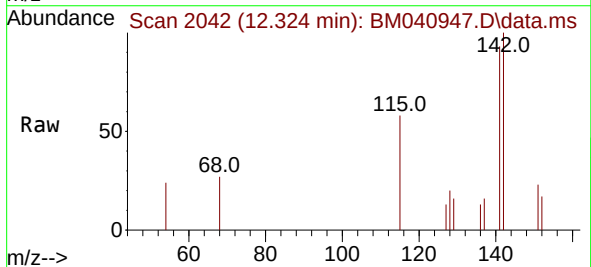
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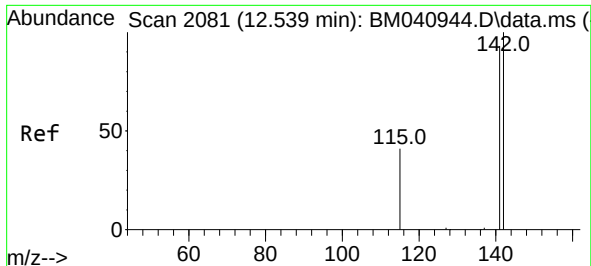
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#7
2-Methylnaphthalene
Concen: 0.031 ng/ul
RT: 12.324 min Scan# 2042
Delta R.T. 0.006 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

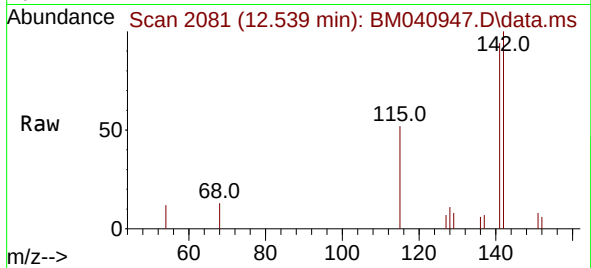
Tgt Ion:142 Resp: 1016
Ion Ratio Lower Upper
142 100
141 91.6 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.539 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

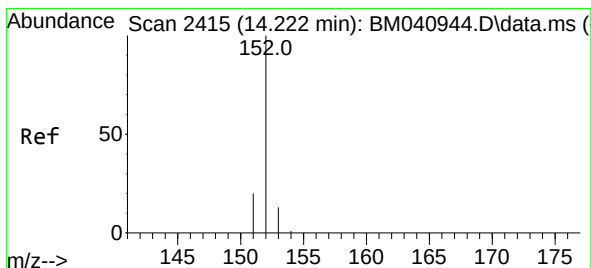
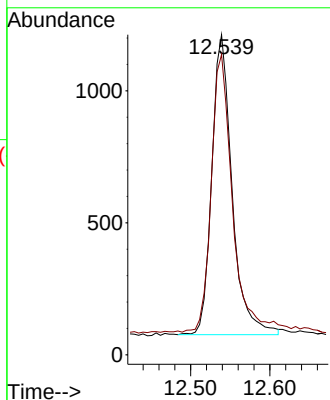
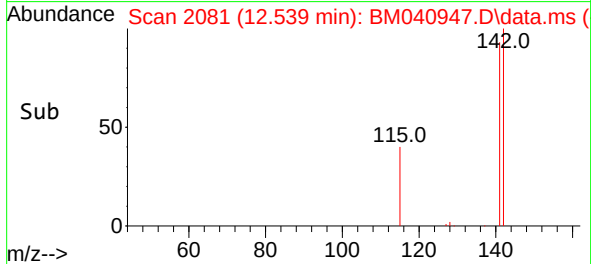
Instrument :
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A46M9DL



Tgt Ion:142 Resp: 2023
Ion Ratio Lower Upper
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141 96.7 73.7 110.5

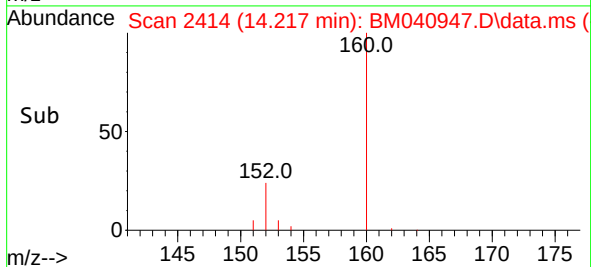
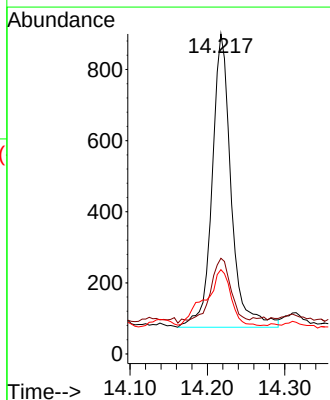
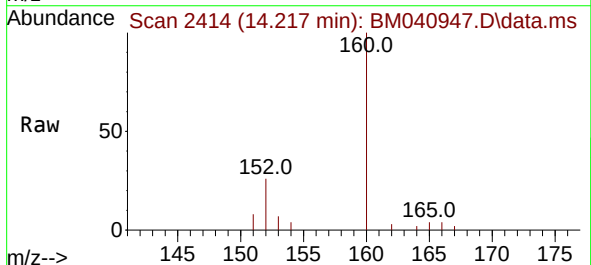
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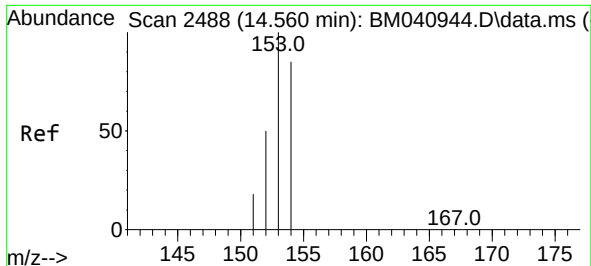
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#10
Acenaphthylene
Concen: 0.049 ng/ul
RT: 14.217 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

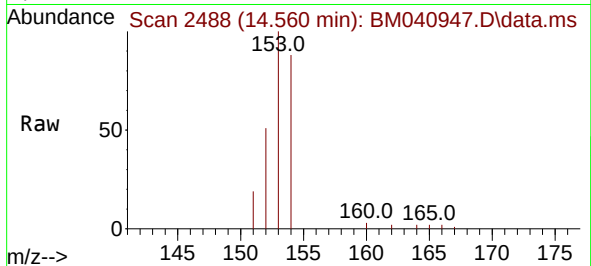
Tgt Ion:152 Resp: 1413
Ion Ratio Lower Upper
152 100
151 29.9 16.2 24.2#
153 26.3 10.9 16.3#





#11
Acenaphthene
Concen: 0.338 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

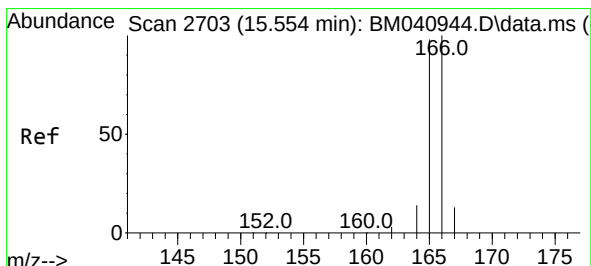
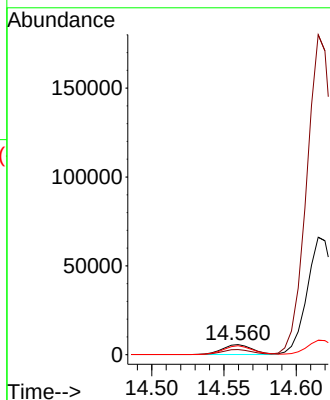
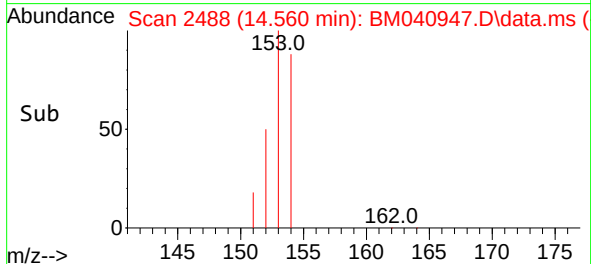
Instrument :
BNA_M
ClientSampleId :
A46M9DL



Tgt Ion:153 Resp: 8272
Ion Ratio Lower Upper
153 100
152 50.6 41.0 61.4
154 87.6 70.8 106.2

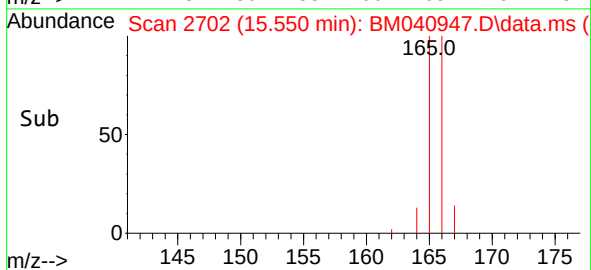
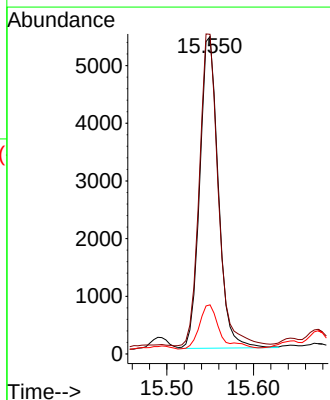
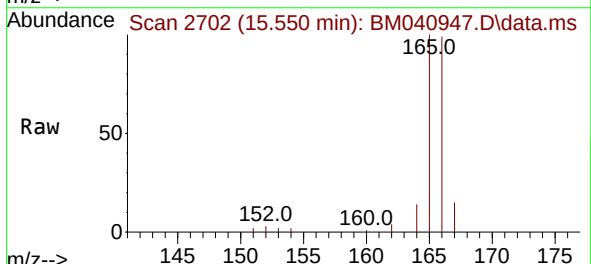
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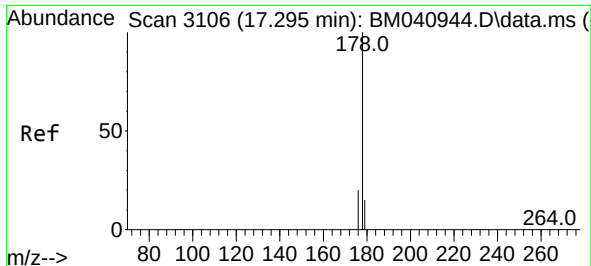
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#12
Fluorene
Concen: 0.307 ng/ul
RT: 15.550 min Scan# 2702
Delta R.T. -0.005 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

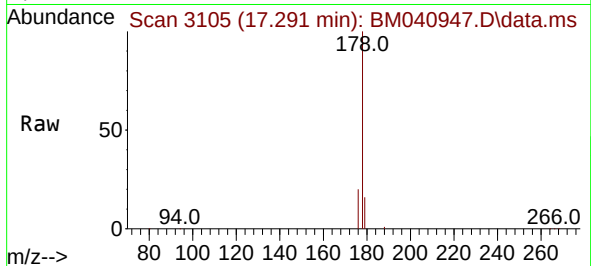
Tgt Ion:166 Resp: 8024
Ion Ratio Lower Upper
166 100
165 100.7 79.6 119.4
167 15.5 11.4 17.0





#15
Phenanthrene
Concen: 1.312 ng/ul
RT: 17.291 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

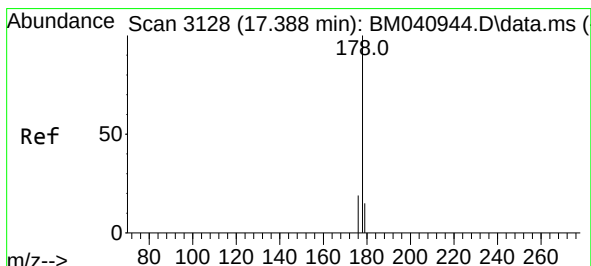
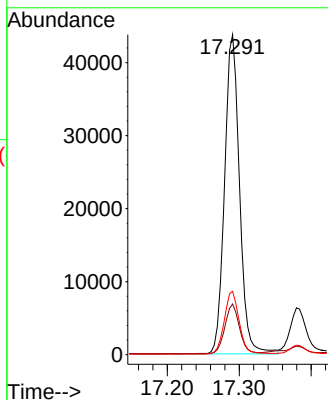
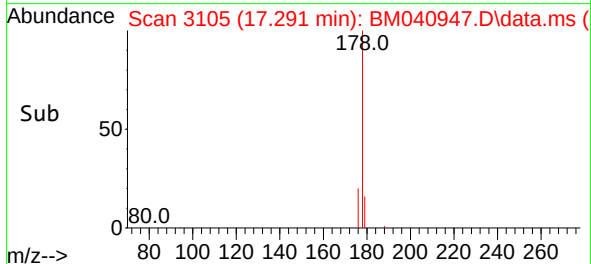
Instrument :
BNA_M
ClientSampleId :
A46M9DL



Tgt Ion:178 Resp: 6305
Ion Ratio Lower Upper
178 100
179 15.9 12.8 19.2
176 19.8 16.4 24.6

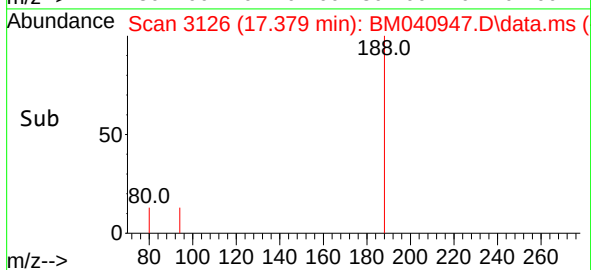
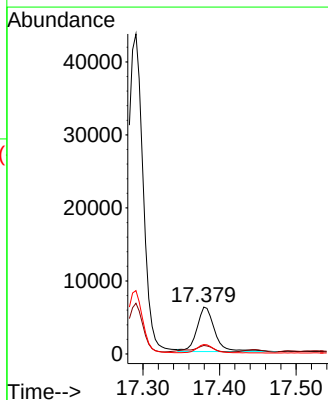
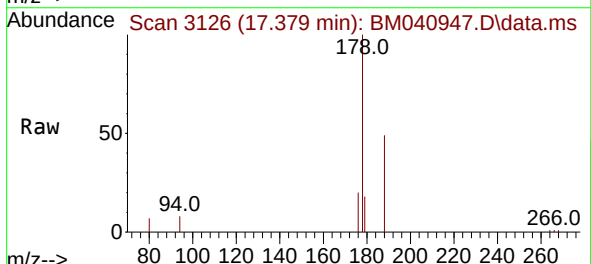
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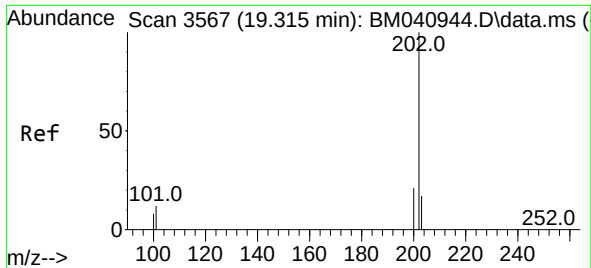
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#16
Anthracene
Concen: 0.244 ng/ul
RT: 17.379 min Scan# 3126
Delta R.T. -0.008 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

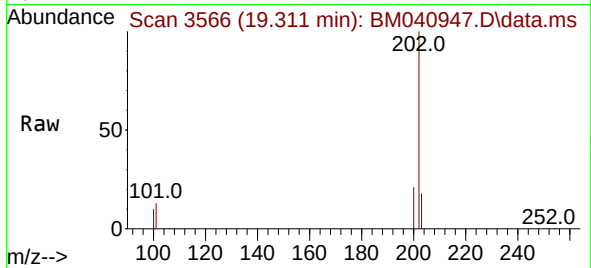
Tgt Ion:178 Resp: 9856
Ion Ratio Lower Upper
178 100
179 17.9 12.9 19.3
176 20.1 15.8 23.6





#19
Fluoranthene
Concen: 1.512 ng/u1
RT: 19.311 min Scan# 3566
Delta R.T. -0.005 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

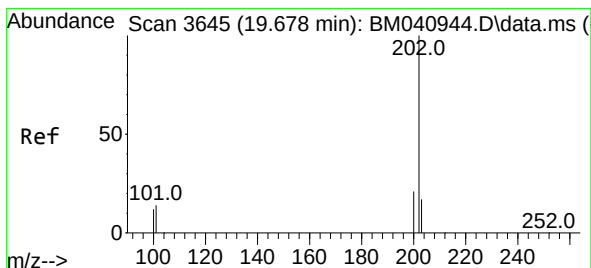
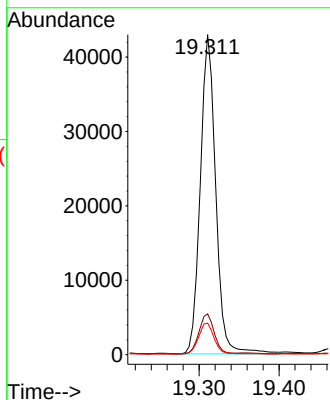
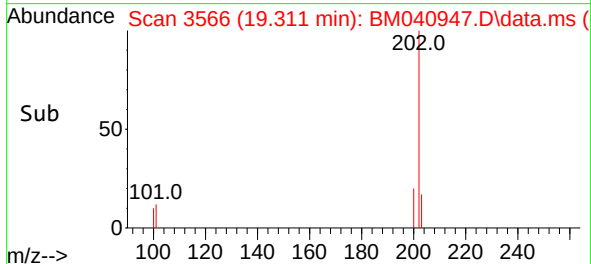
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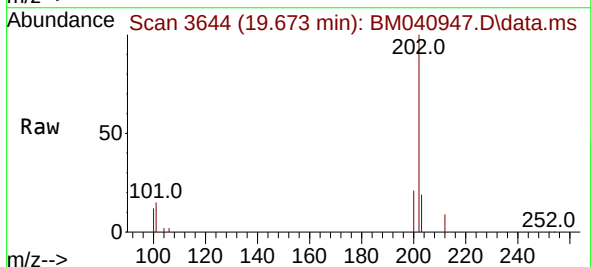
Tgt Ion:202 Resp: 57600
Ion Ratio Lower Upper
202 100
101 12.7 11.4 17.0
100 9.8 8.7 13.1

Manual Integrations
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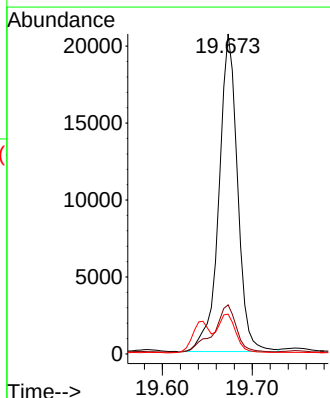
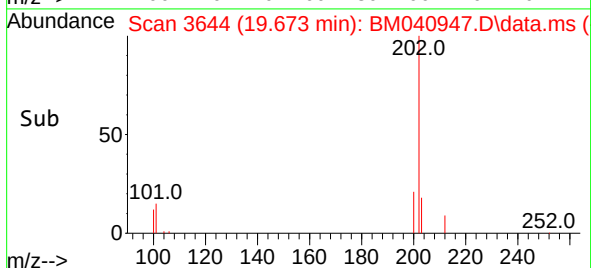
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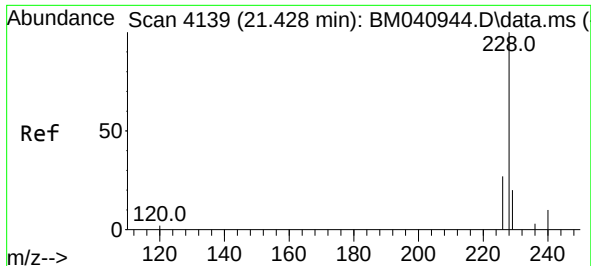


#20
Pyrene
Concen: 0.727 ng/u1
RT: 19.673 min Scan# 3644
Delta R.T. -0.005 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42



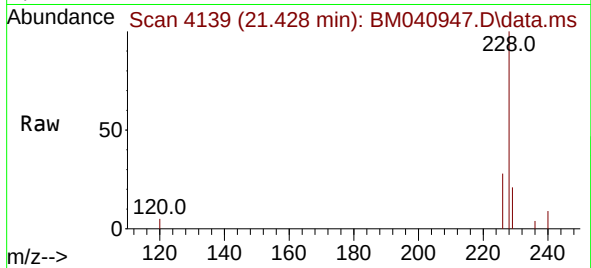
Tgt Ion:202 Resp: 29714
Ion Ratio Lower Upper
202 100
101 15.3 12.6 18.8
100 12.4 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.593 ng/ul
RT: 21.428 min Scan# 4139
Delta R.T. 0.000 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

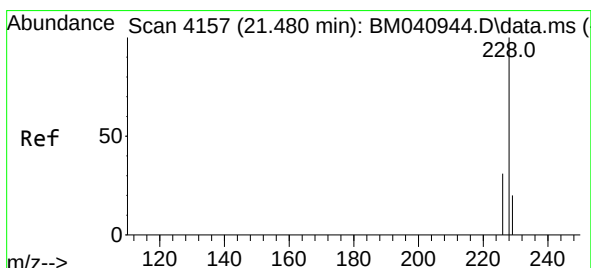
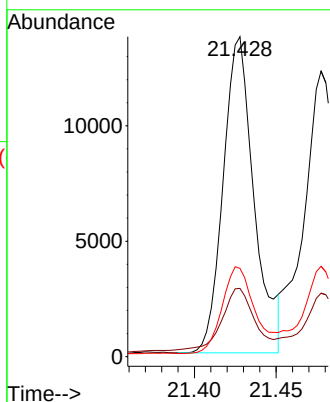
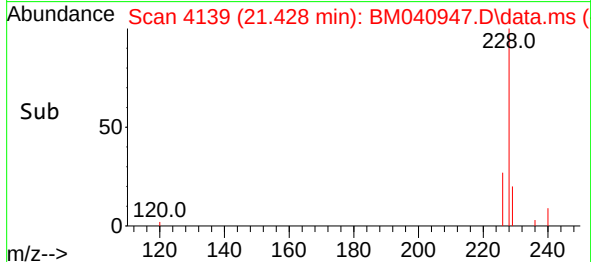
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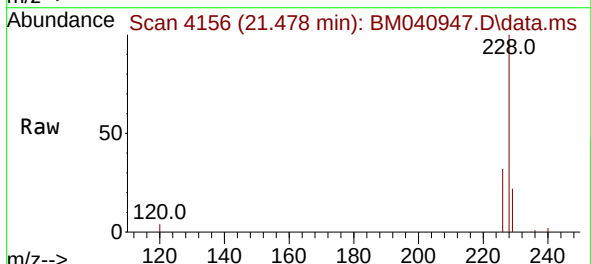
Tgt Ion:228 Resp: 17999
Ion Ratio Lower Upper
228 100
229 21.4 16.0 24.0
226 27.6 22.3 33.5

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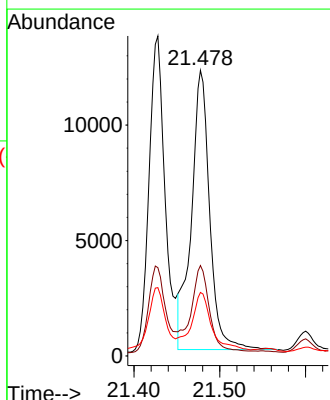
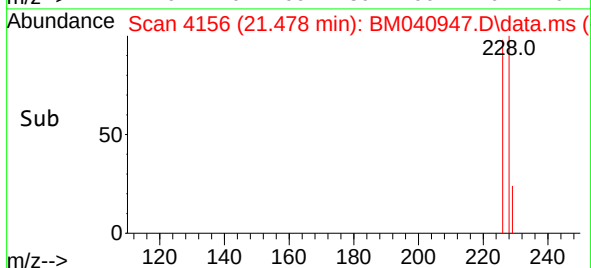
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

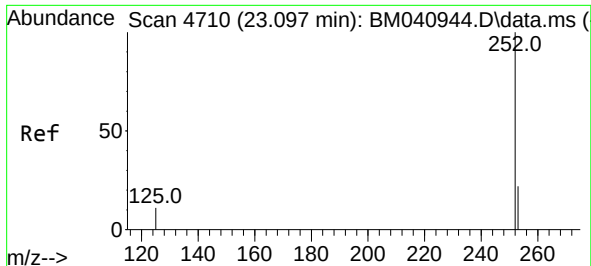


#22
Chrysene
Concen: 0.518 ng/ul
RT: 21.478 min Scan# 4156
Delta R.T. -0.003 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42



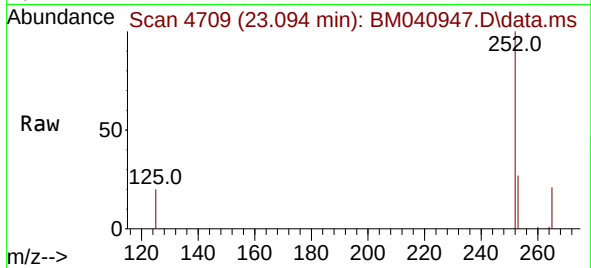
Tgt Ion:228 Resp: 17939
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 22.2 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.584 ng/ul
RT: 23.094 min Scan# 4710
Delta R.T. -0.003 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

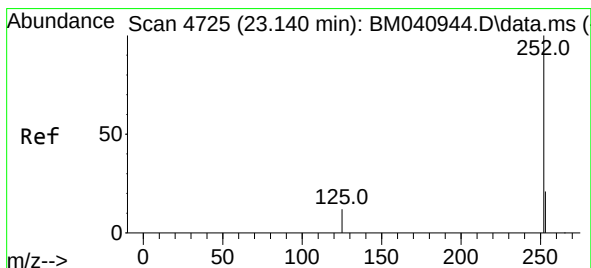
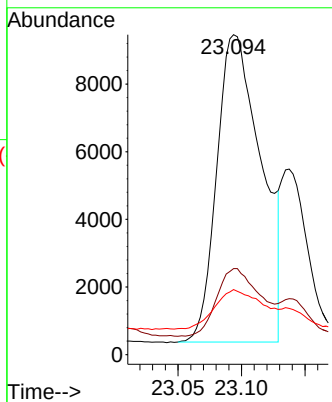
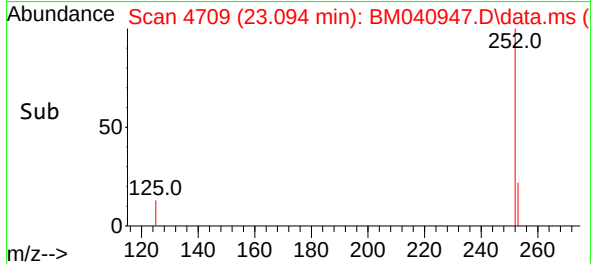
Instrument :
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A46M9DL



Tgt Ion:252 Resp: 2214
Ion Ratio Lower Upper
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253 26.9 0.0 52.8
125 20.3 0.0 43.0

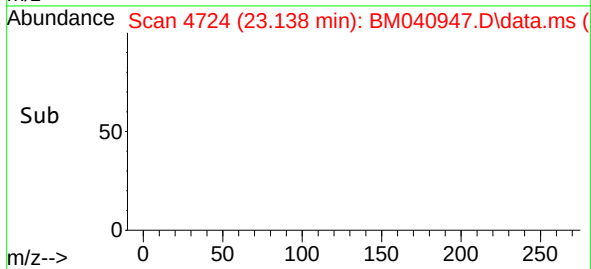
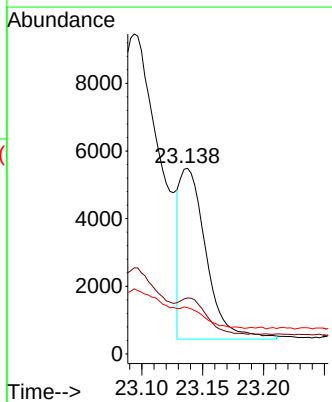
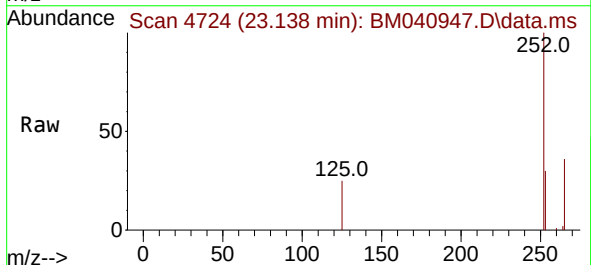
Manual Integrations
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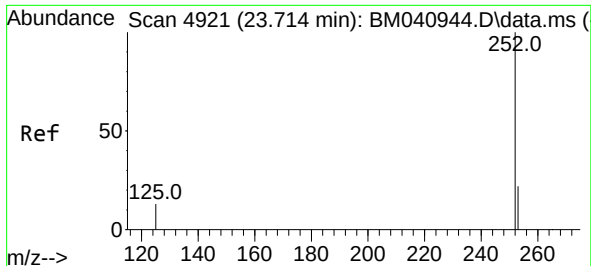
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#25
Benzo(k)fluoranthene
Concen: 0.202 ng/ul m
RT: 23.138 min Scan# 4724
Delta R.T. -0.003 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

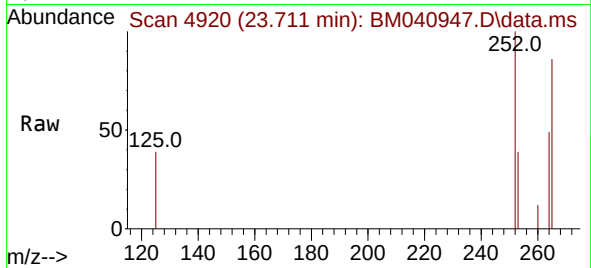
Tgt Ion:252 Resp: 7554
Ion Ratio Lower Upper
252 100
253 30.2 21.2 31.8
125 24.9 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 0.136 ng/ul
RT: 23.711 min Scan# 4921
Delta R.T. -0.003 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

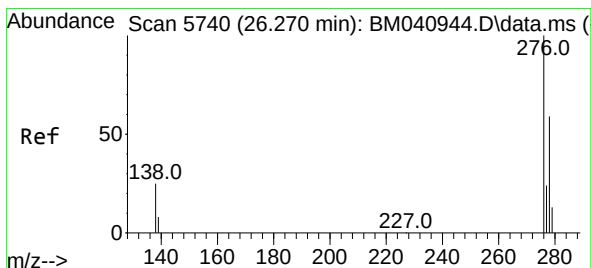
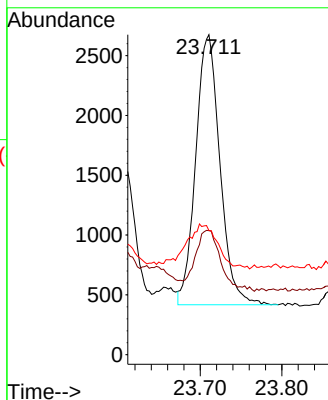
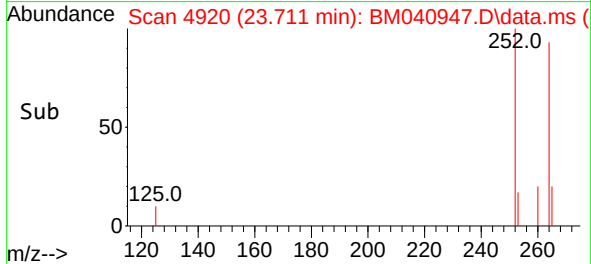
Instrument :
BNA_M
ClientSampleId :
A46M9DL



Tgt Ion:252 Resp: 4649
Ion Ratio Lower Upper
252 100
253 38.8 22.9 34.3
125 38.8 21.0 31.4

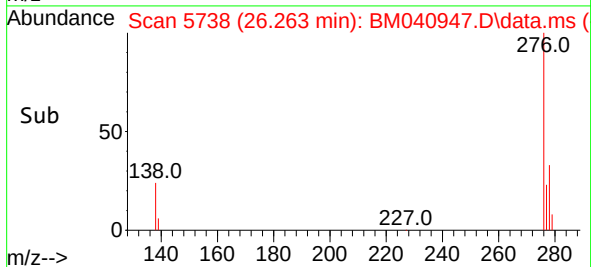
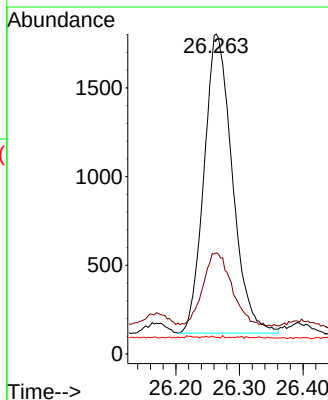
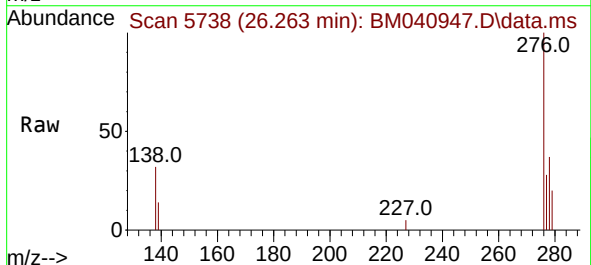
Manual Integrations
APPROVED

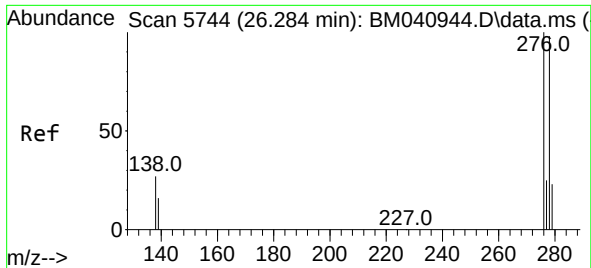
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.110 ng/ul
RT: 26.263 min Scan# 5738
Delta R.T. -0.007 min
Lab File: BM040947.D
Acq: 18 Jul 2023 09:42

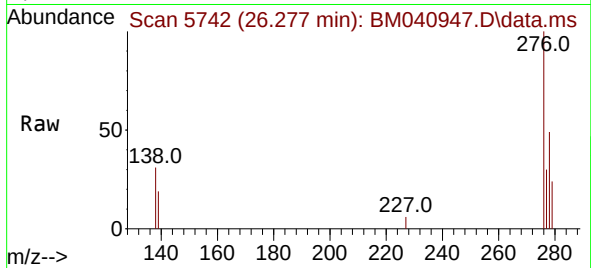
Tgt Ion:276 Resp: 5214
Ion Ratio Lower Upper
276 100
138 25.5 24.5 36.7
227 0.1 0.1 0.1





#28
 Dibenzo(a,h)anthracene
 Concen: 0.062 ng/ul
 RT: 26.277 min Scan# 51
 Delta R.T. -0.007 min
 Lab File: BM040947.D
 Acq: 18 Jul 2023 09:42

Instrument :
 BNA_M
 ClientSampleId :
 A46M9DL



Tgt Ion:278 Resp: 2324
 Ion Ratio Lower Upper
 278 100
 139 38.0 17.9 26.9
 279 49.5 22.0 33.0

Manual Integrations
 APPROVED

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

