

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041120.D
 Acq On : 25 Jul 2023 23:54
 Operator : MA/JU
 Sample : 03540-03DL 5X
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4734DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 04:42:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	3911	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.631	136	13288	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.486	164	7305	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	17786	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.440	240	12906	0.400	ng/ul	0.00
23) Perylene-d12	23.819	264	18663	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	2872	0.476	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.225	152	1514	0.080	ng/ul	-0.01
18) Fluoranthene-d10	19.278	212	2890	0.082	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.680	128	145149	3.357	ng/ul	97
7) 2-Methylnaphthalene	12.302	142	53009	2.502	ng/ul	97
8) 1-Methylnaphthalene	12.522	142	39382	1.810	ng/ul	100
10) Acenaphthylene	14.208	152	29664	0.961	ng/ul	97
11) Acenaphthene	14.546	153	174716	6.710	ng/ul	99
12) Fluorene	15.541	166	201838	7.103	ng/ul	98
15) Phenanthrene	17.287	178	2056510	37.510	ng/ul	98
16) Anthracene	17.375	178	448046	10.094	ng/ul	98
19) Fluoranthene	19.311	202	2325856	50.283	ng/ul	97
20) Pyrene	19.673	202	638404	12.517	ng/ul	96
21) Benzo(a)anthracene	21.422	228	937774	21.734	ng/ul	100
22) Chrysene	21.475	228	777157	15.596	ng/ul	97
24) Benzo(b)fluoranthene	23.094	252	919523	12.365	ng/ul	87
25) Benzo(k)fluoranthene	23.138	252	384464m	5.416	ng/ul	
26) Benzo(a)pyrene	23.711	252	108902	1.808	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.270	276	134312	1.506	ng/ul	97
28) Dibenzo(a,h)anthracene	26.277	278	120457	1.722	ng/ul	97
29) Benzo(g,h,i)perylene	27.025	276	5479	0.069	ng/ul#	49

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

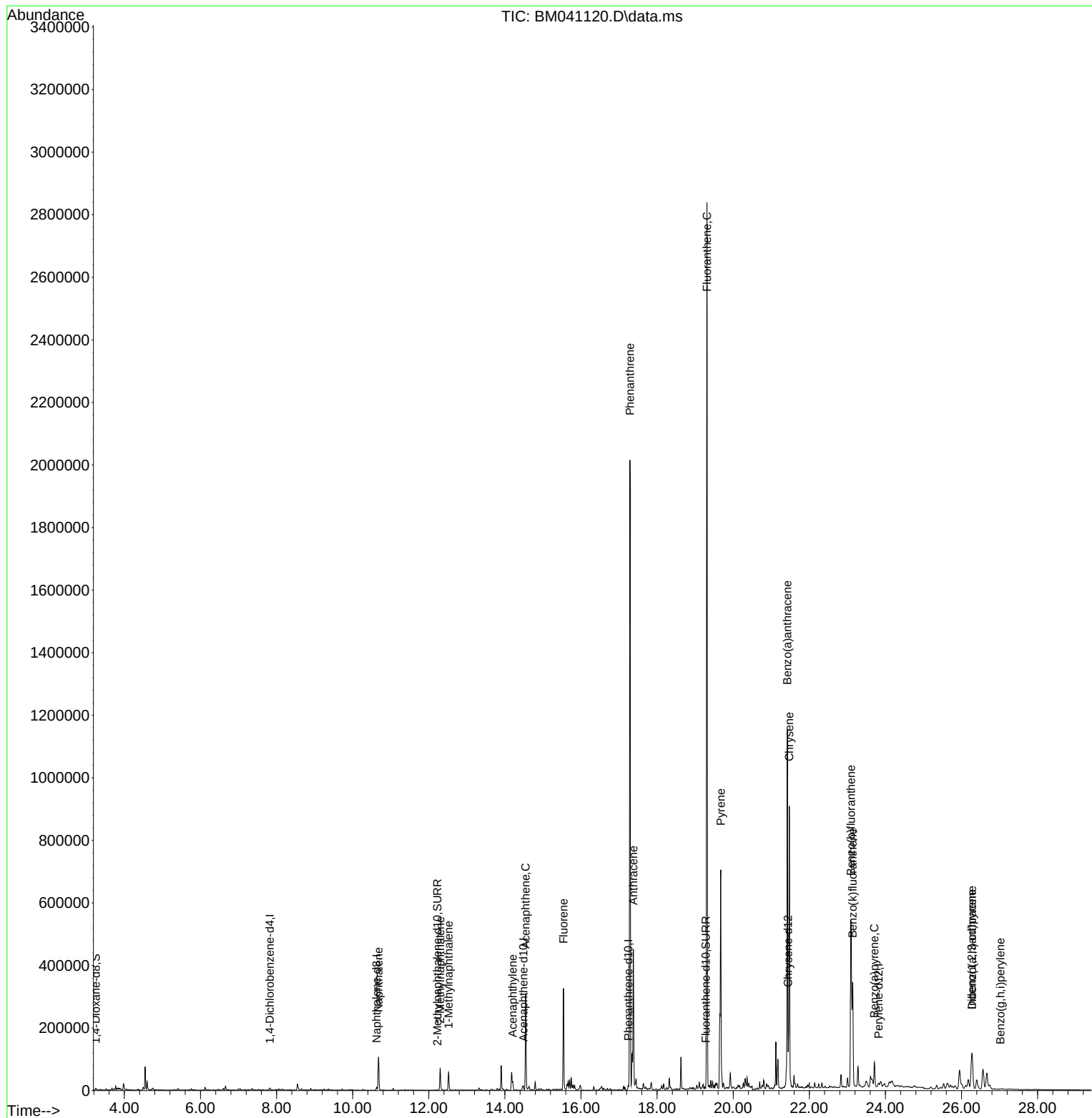
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
Data File : BM041120.D
Acq On : 25 Jul 2023 23:54
Operator : MA/JU
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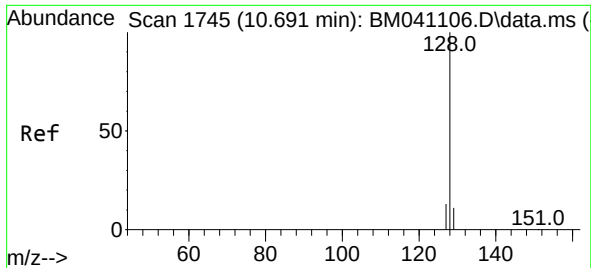
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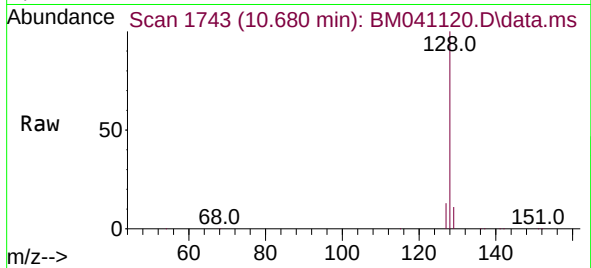
Quant Time: Jul 26 04:42:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 04:20:13 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 3.357 ng/ul
RT: 10.680 min Scan# 1745
Delta R.T. -0.011 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

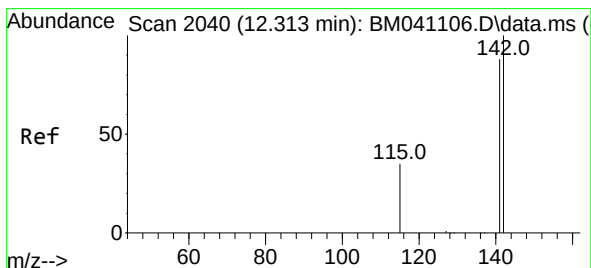
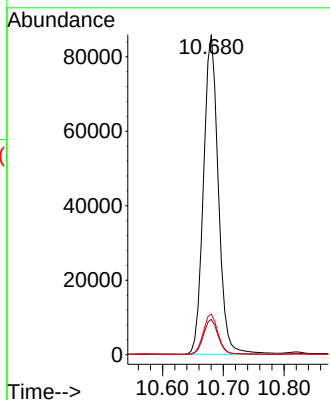
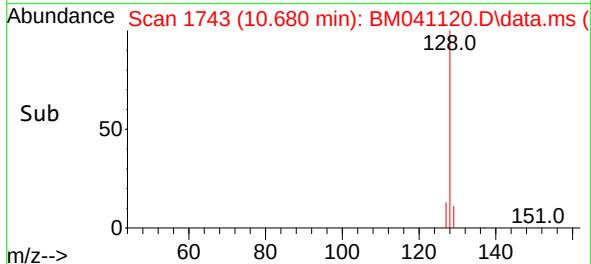
Instrument :
BNA_M
ClientSampleId :
A4734DL



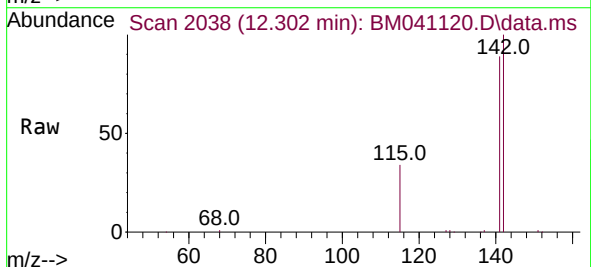
Tgt Ion:128 Resp: 145149
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.8
127 12.7 11.1 16.7

Manual Integrations
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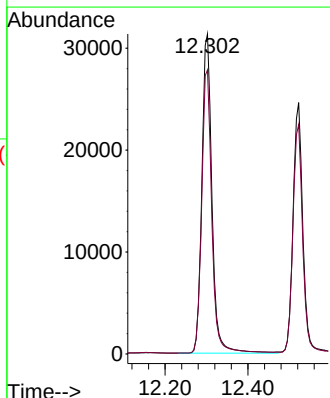
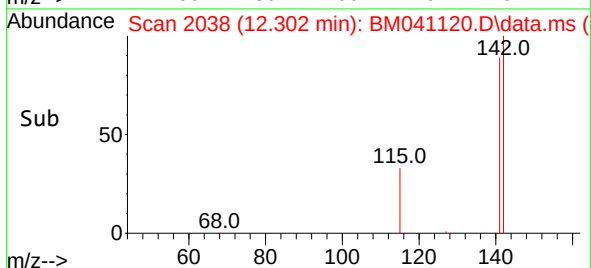
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

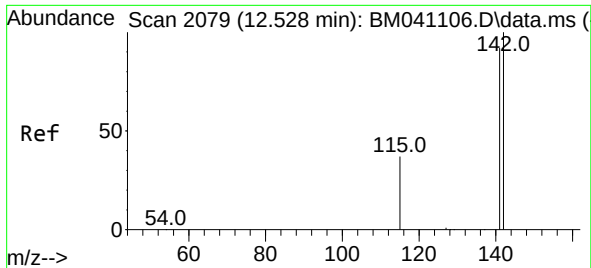


#7
2-Methylnaphthalene
Concen: 2.502 ng/ul
RT: 12.302 min Scan# 2038
Delta R.T. -0.011 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54



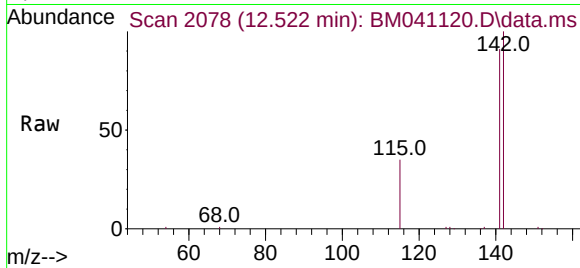
Tgt Ion:142 Resp: 53009
Ion Ratio Lower Upper
142 100
141 89.0 73.3 109.9





#8
1-Methylnaphthalene
Concen: 1.810 ng/ul
RT: 12.522 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

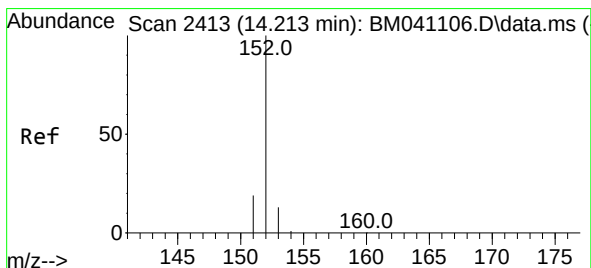
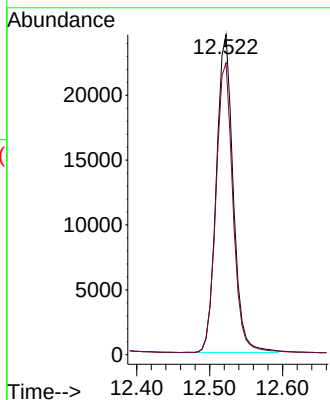
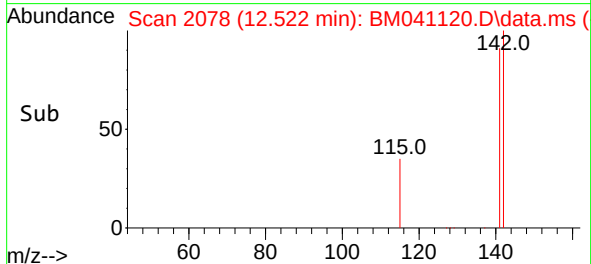
Instrument :
BNA_M
ClientSampleId :
A4734DL



Tgt Ion:142 Resp: 3938
Ion Ratio Lower Upper
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141 91.7 73.6 110.4

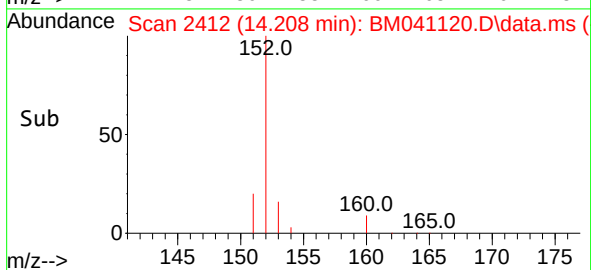
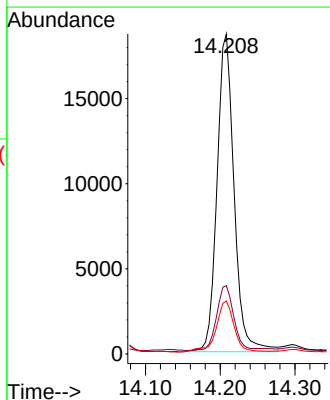
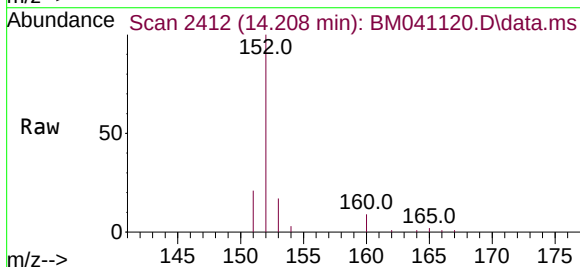
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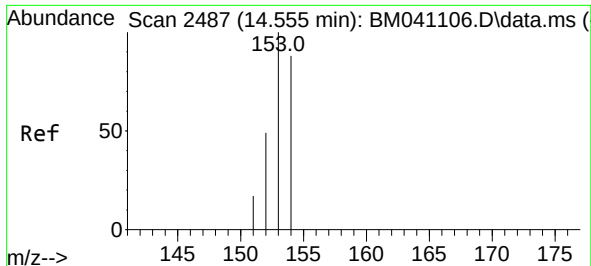
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#10
Acenaphthylene
Concen: 0.961 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

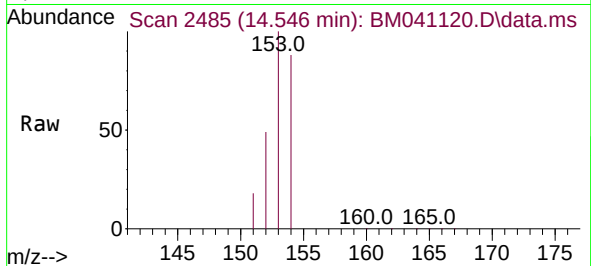
Tgt Ion:152 Resp: 29664
Ion Ratio Lower Upper
152 100
151 21.3 16.8 25.2
153 16.6 11.4 17.2





#11
Acenaphthene
Concen: 6.710 ng/ul
RT: 14.546 min Scan# 2485
Delta R.T. -0.009 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

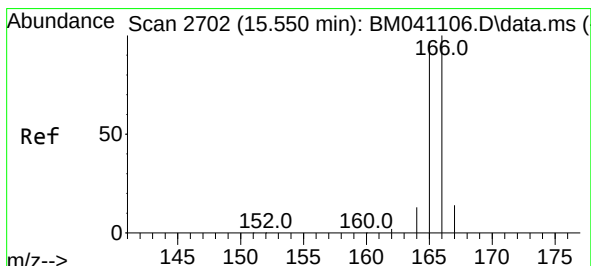
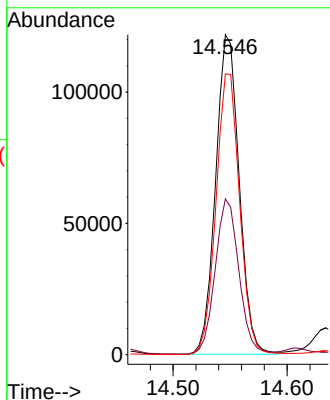
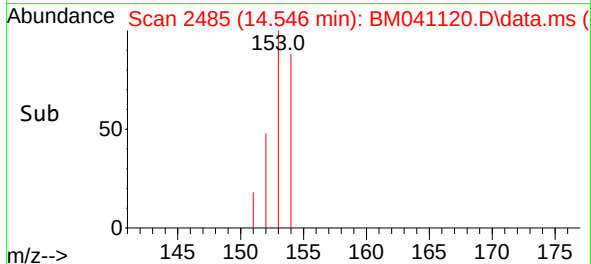
Instrument :
BNA_M
ClientSampleId :
A4734DL



Tgt Ion:153 Resp: 174710
Ion Ratio Lower Upper
153 100
152 48.7 40.2 60.4
154 87.8 70.3 105.5

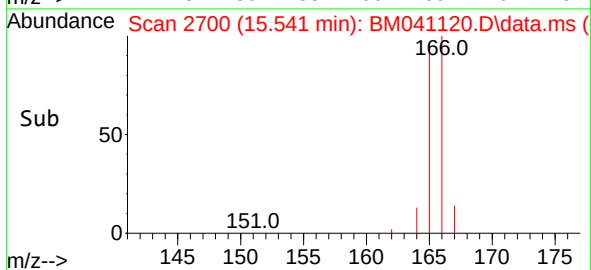
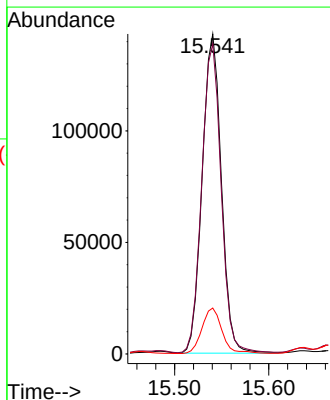
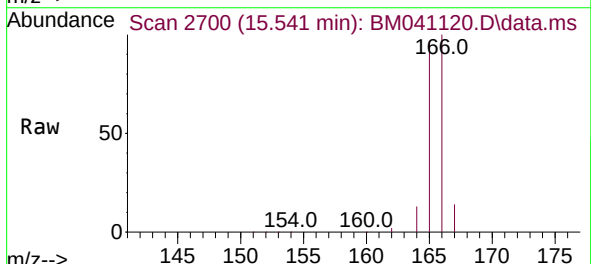
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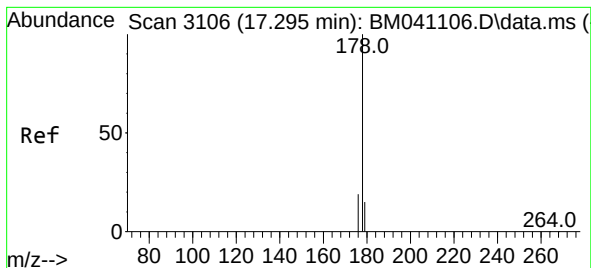
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#12
Fluorene
Concen: 7.103 ng/ul
RT: 15.541 min Scan# 2700
Delta R.T. -0.009 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

Tgt Ion:166 Resp: 201838
Ion Ratio Lower Upper
166 100
165 96.9 79.4 119.0
167 14.4 11.4 17.2





#15

Phenanthrene

Concen: 37.510 ng/u1

RT: 17.287 min Scan# 3104

Delta R.T. -0.008 min

Lab File: BM041120.D

Acq: 25 Jul 2023 23:54

Instrument :

BNA_M

ClientSampleId :

A4734DL

Tgt Ion:178 Resp: 2056510

Ion Ratio Lower Upper

178 100

179 15.7 13.4 20.2

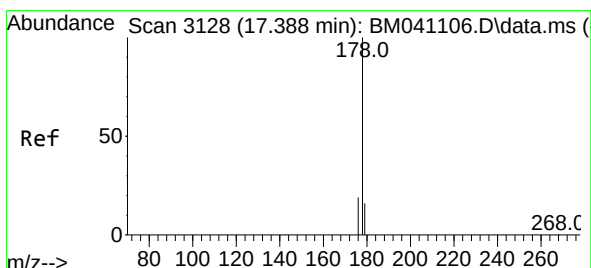
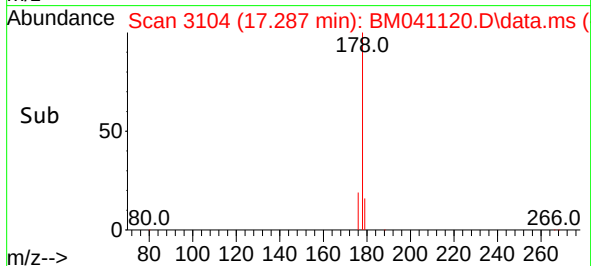
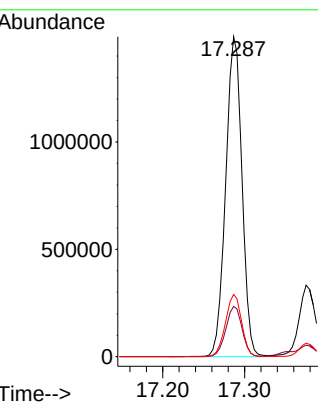
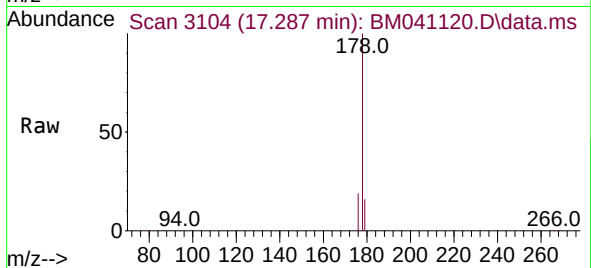
176 19.4 16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/27/2023



#16

Anthracene

Concen: 10.094 ng/u1

RT: 17.375 min Scan# 3125

Delta R.T. -0.017 min

Lab File: BM041120.D

Acq: 25 Jul 2023 23:54

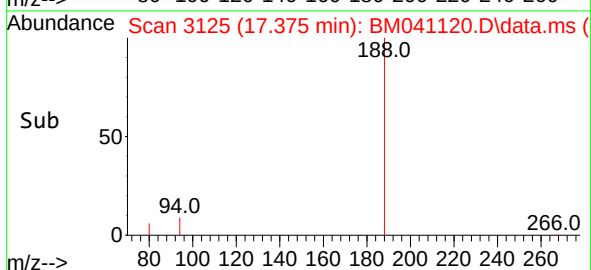
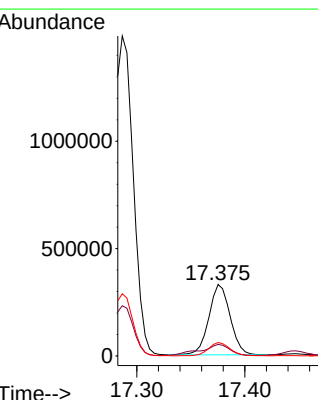
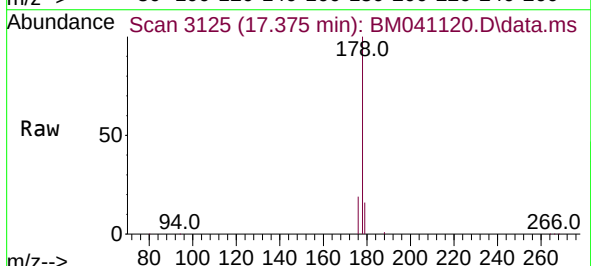
Tgt Ion:178 Resp: 448046

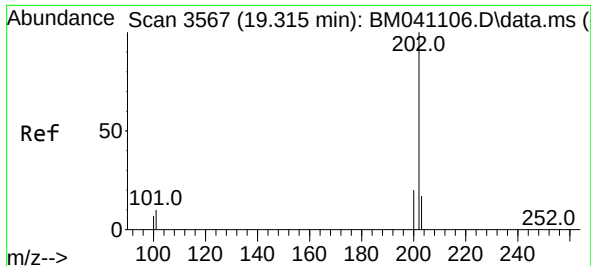
Ion Ratio Lower Upper

178 100

179 16.1 13.6 20.4

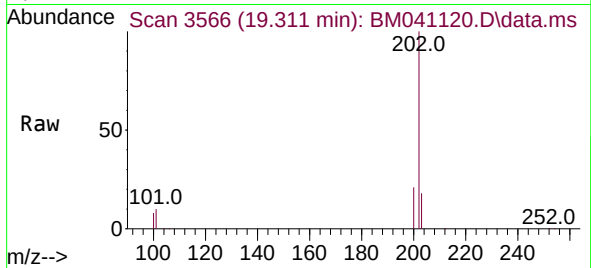
176 18.8 16.0 24.0





#19
Fluoranthene
Concen: 50.283 ng/ul
RT: 19.311 min Scan# 3567
Delta R.T. -0.005 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

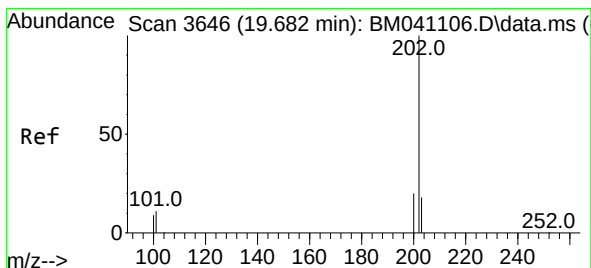
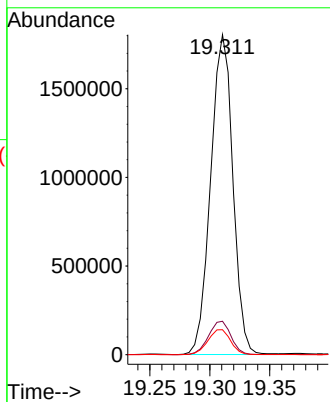
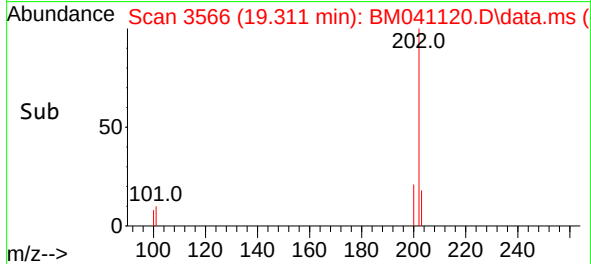
Instrument :
BNA_M
ClientSampleId :
A4734DL



Tgt Ion:202 Resp: 232585
Ion Ratio Lower Upper
202 100
101 10.5 9.4 14.0
100 7.8 7.1 10.7

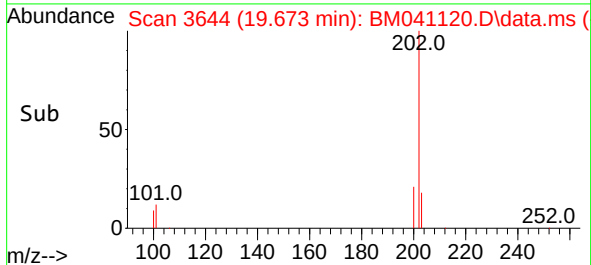
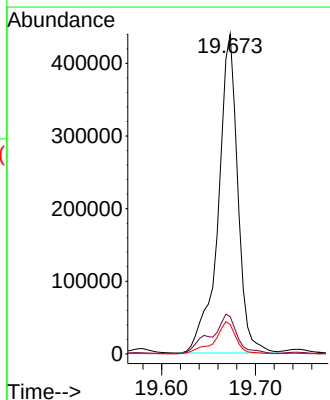
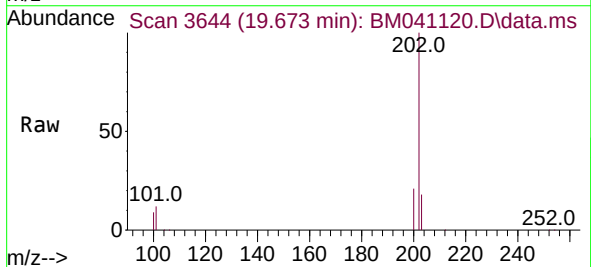
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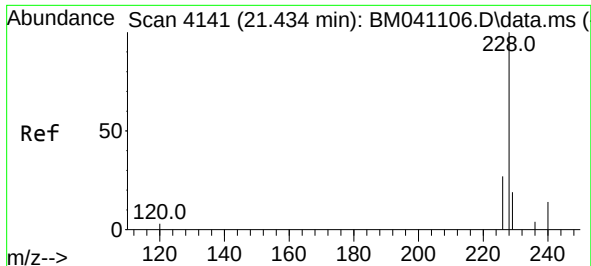
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#20
Pyrene
Concen: 12.517 ng/ul
RT: 19.673 min Scan# 3644
Delta R.T. -0.009 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

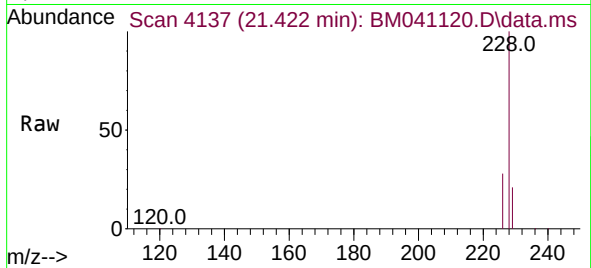
Tgt Ion:202 Resp: 638404
Ion Ratio Lower Upper
202 100
101 11.6 10.7 16.1
100 9.2 8.5 12.7





#21
Benzo(a)anthracene
Concen: 21.734 ng/u1
RT: 21.422 min Scan# 41137
Delta R.T. -0.012 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

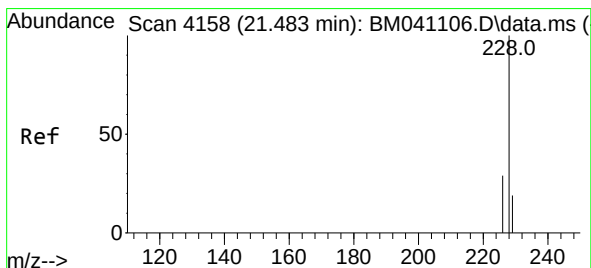
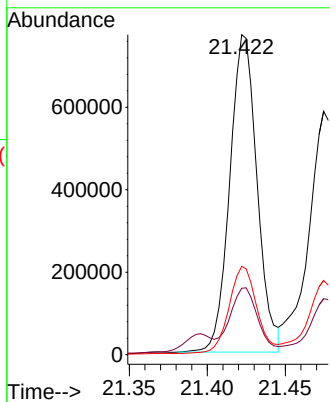
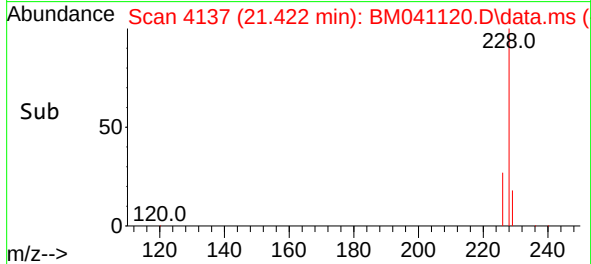
Instrument :
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Tgt Ion:228 Resp: 937774
Ion Ratio Lower Upper
228 100
229 20.7 16.5 24.7
226 27.6 22.2 33.2

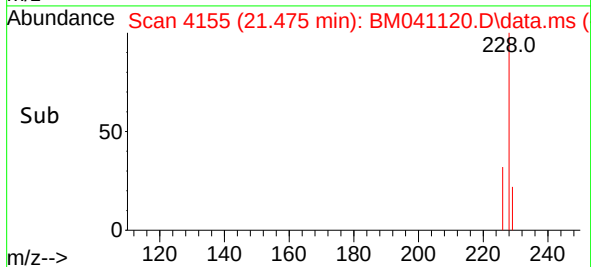
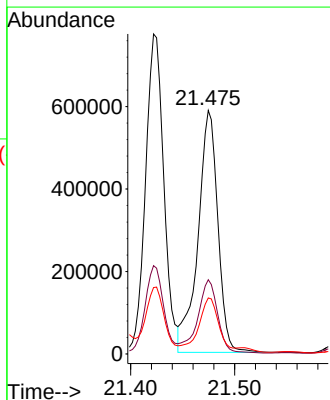
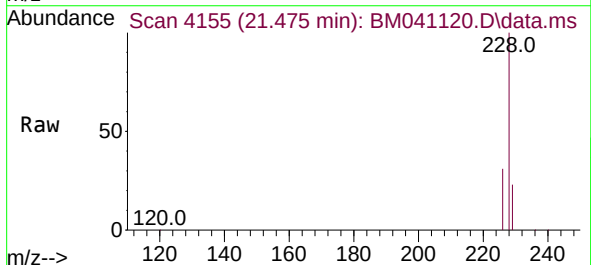
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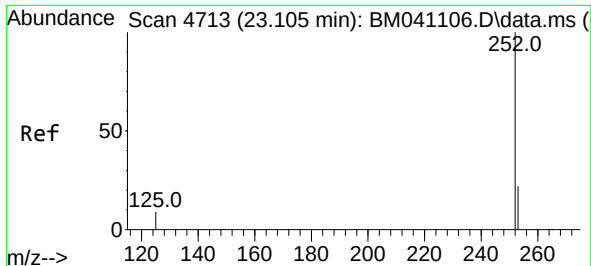
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#22
Chrysene
Concen: 15.596 ng/u1
RT: 21.475 min Scan# 4155
Delta R.T. -0.012 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

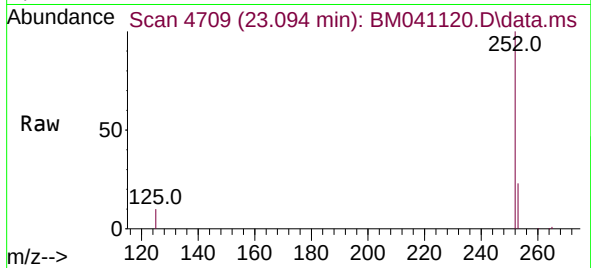
Tgt Ion:228 Resp: 777157
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 23.0 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 12.365 ng/ul
RT: 23.094 min Scan# 4713
Delta R.T. -0.012 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

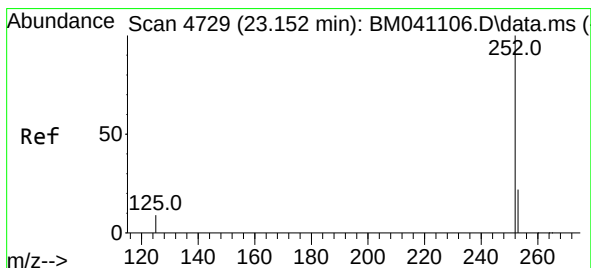
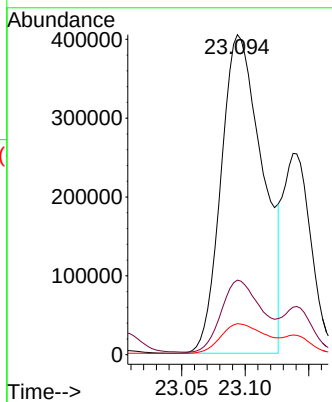
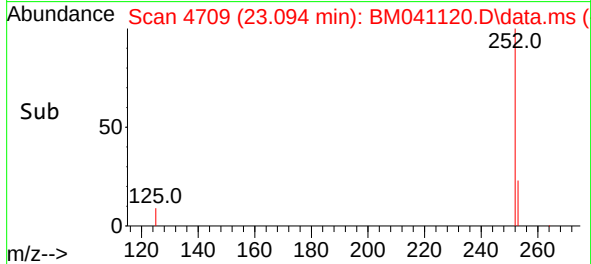
Instrument :
BNA_M
ClientSampleId :
A4734DL



Tgt Ion:252 Resp: 91952
Ion Ratio Lower Upper
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253 23.3 0.0 57.6
125 9.7 0.0 33.6

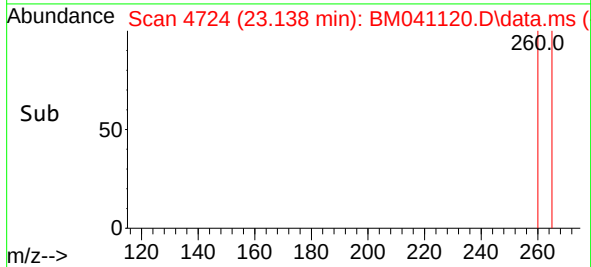
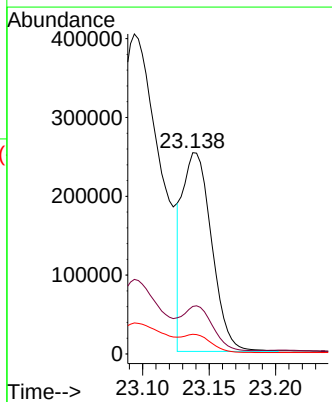
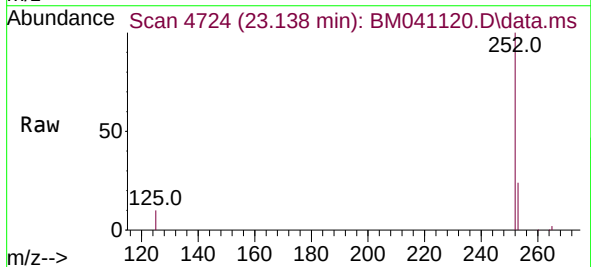
Manual Integrations
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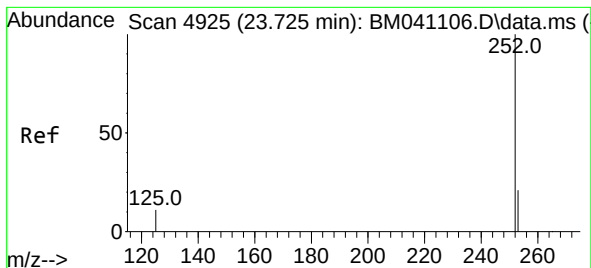
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#25
Benzo(k)fluoranthene
Concen: 5.416 ng/ul m
RT: 23.138 min Scan# 4724
Delta R.T. -0.018 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

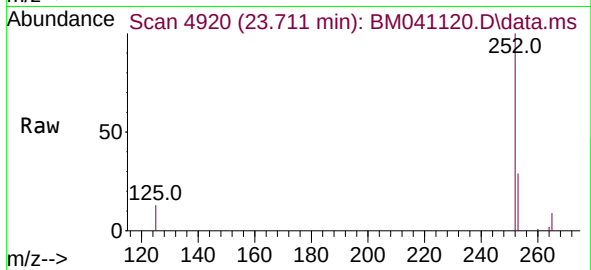
Tgt Ion:252 Resp: 384464
Ion Ratio Lower Upper
252 100
253 23.6 22.8 34.2
125 9.8 13.5 20.3#





#26
Benzo(a)pyrene
Concen: 1.808 ng/ul
RT: 23.711 min Scan# 4925
Delta R.T. -0.018 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

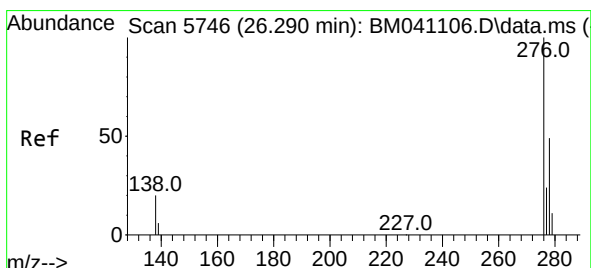
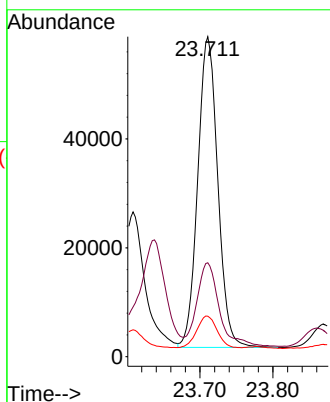
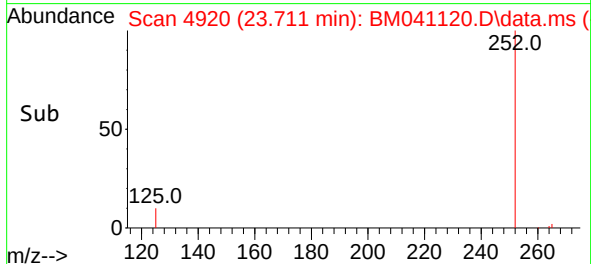
Instrument :
BNA_M
ClientSampleId :
A4734DL



Tgt Ion:252 Resp: 10890
Ion Ratio Lower Upper
252 100
253 29.4 26.7 40.1
125 12.6 18.1 27.1

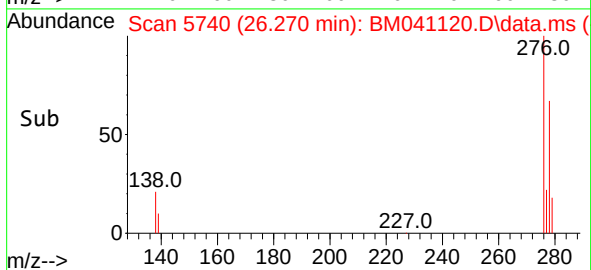
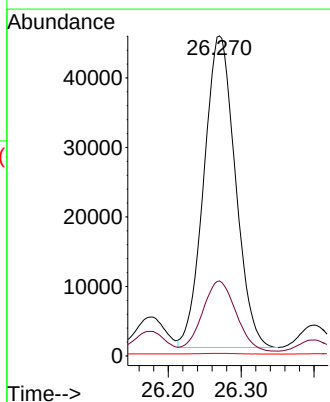
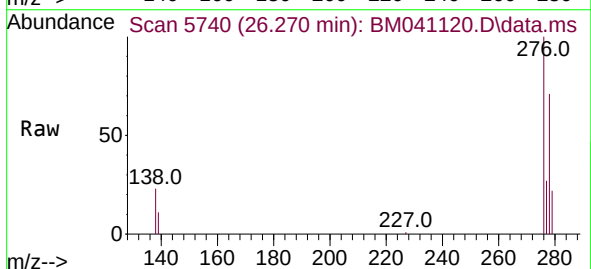
Manual Integrations
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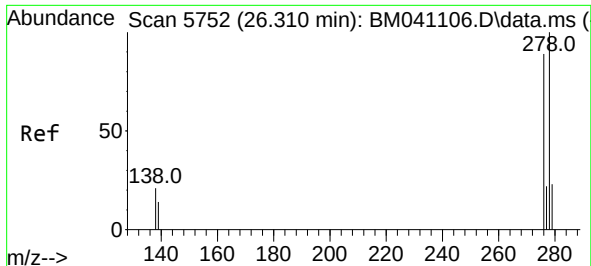
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.506 ng/ul
RT: 26.270 min Scan# 5740
Delta R.T. -0.027 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

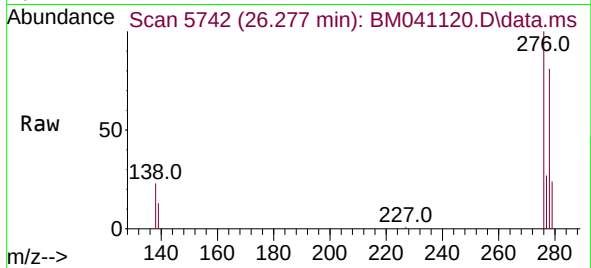
Tgt Ion:276 Resp: 134312
Ion Ratio Lower Upper
276 100
138 23.9 18.1 27.1
227 0.2 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 1.722 ng/ul
RT: 26.277 min Scan# 51
Delta R.T. -0.040 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

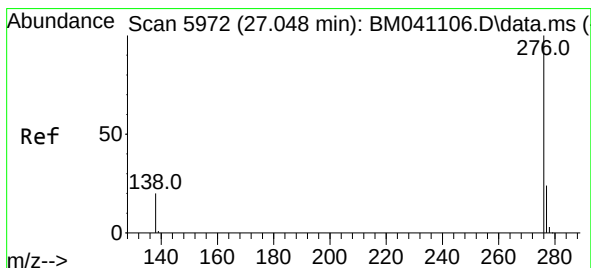
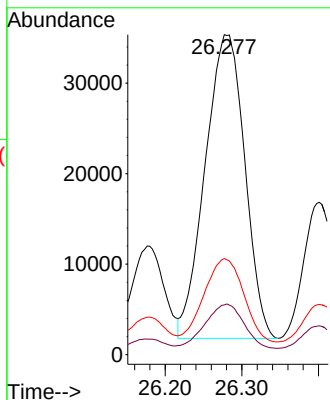
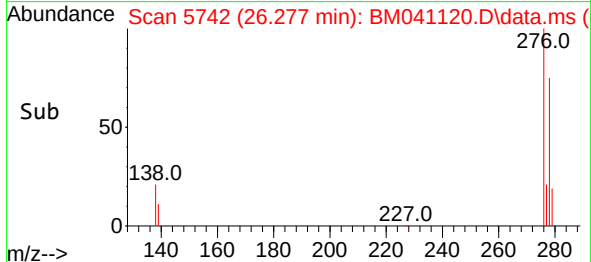
Instrument :
BNA_M
ClientSampleId :
A4734DL



Tgt Ion:278 Resp: 12045
Ion Ratio Lower Upper
278 100
139 15.6 14.1 21.1
279 30.0 25.0 37.4

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Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#29
Benzo(g,h,i)perylene
Concen: 0.069 ng/ul
RT: 27.025 min Scan# 5965
Delta R.T. -0.027 min
Lab File: BM041120.D
Acq: 25 Jul 2023 23:54

Tgt Ion:276 Resp: 5479
Ion Ratio Lower Upper
276 100
138 42.0 18.2 27.2#
277 56.7 20.6 30.8#

