

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043095.D
 Acq On : 30 Nov 2023 21:17
 Operator : MA/JU
 Sample : 05459-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023

Quant Time: Dec 01 00:44:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	938	0.400	ng/ul	#-0.06
4) Naphthalene-d8	10.616	136	2620	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.455	164	1394	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.212	188	2820	0.400	ng/ul	-0.02
17) Chrysene-d12	21.403	240	2030	0.400	ng/ul	0.00
23) Perylene-d12	23.753	264	2581m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	644	0.447	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.217	152	488	0.139	ng/ul	-0.02
18) Fluoranthene-d10	19.238	212	1040	0.141	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.666	128	1374	0.193	ng/ul	98
7) 2-Methylnaphthalene	12.288	142	1022	0.243	ng/ul	97
8) 1-Methylnaphthalene	12.497	142	720	0.154	ng/ul	94
10) Acenaphthylene	14.182	152	284	0.040	ng/ul#	62
11) Acenaphthene	14.519	153	153	0.028	ng/ul#	86
12) Fluorene	15.509	166	203	0.037	ng/ul#	75
15) Phenanthrene	17.254	178	3128	0.389	ng/ul	98
16) Anthracene	17.347	178	548m	0.072	ng/ul	
19) Fluoranthene	19.270	202	5612	0.488	ng/ul#	94
20) Pyrene	19.633	202	4871	0.398	ng/ul	98
21) Benzo(a)anthracene	21.389	228	2504	0.380	ng/ul	98
22) Chrysene	21.441	228	2392	0.195	ng/ul	95
24) Benzo(b)fluoranthene	23.031	252	3624	0.416	ng/ul	98
25) Benzo(k)fluoranthene	23.069	252	1575m	0.131	ng/ul	
26) Benzo(a)pyrene	23.642	252	2028	0.213	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.209	276	1835	0.143	ng/ul#	100
29) Benzo(g,h,i)perylene	26.973	276	1336	0.107	ng/ul#	81

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

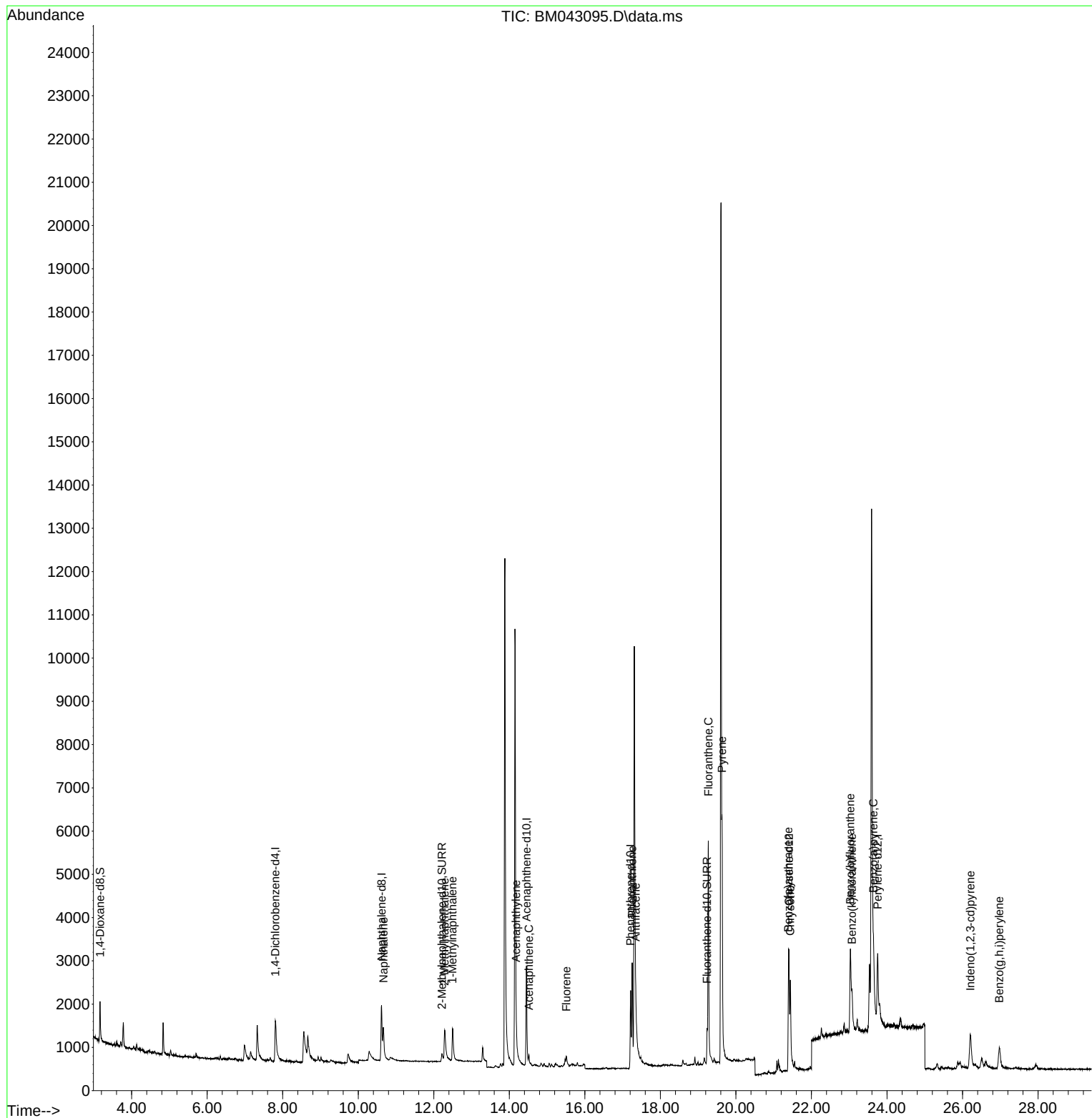
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043095.D
Acq On : 30 Nov 2023 21:17
Operator : MA/JU
Sample : 05459-04
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ALS Vial : 12 Sample Multiplier: 1

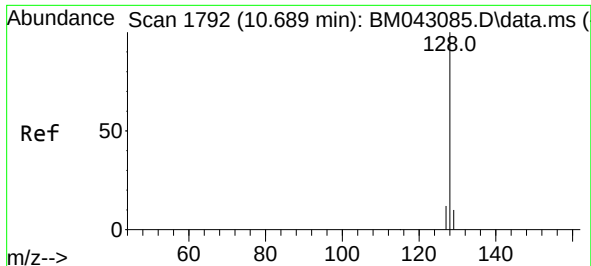
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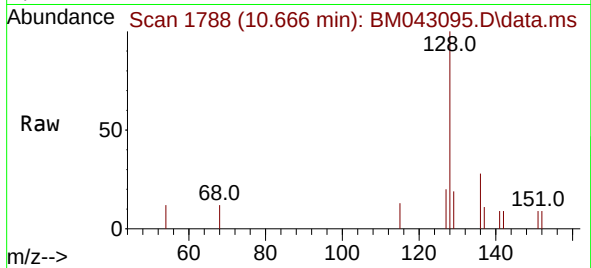
Quant Time: Dec 01 00:44:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.193 ng/ul
RT: 10.666 min Scan# 1792
Delta R.T. -0.023 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

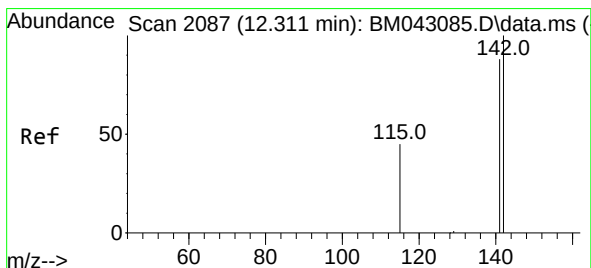
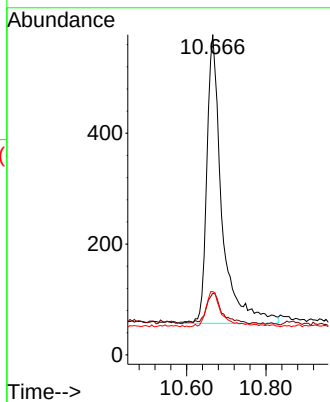
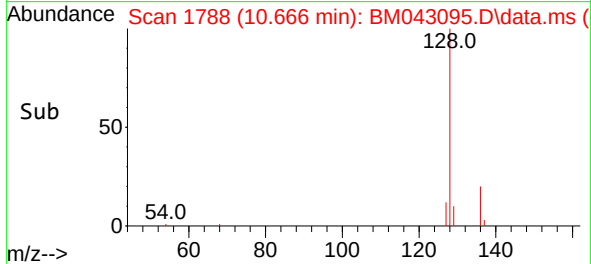
Instrument :
BNA_M
ClientSampleId :
C0AA2



Tgt Ion:128 Resp: 1374
Ion Ratio Lower Upper
128 100
129 19.2 16.0 24.0
127 19.7 16.5 24.7

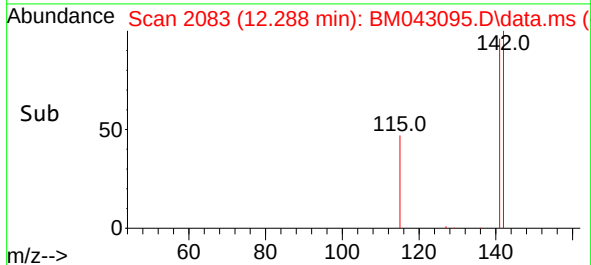
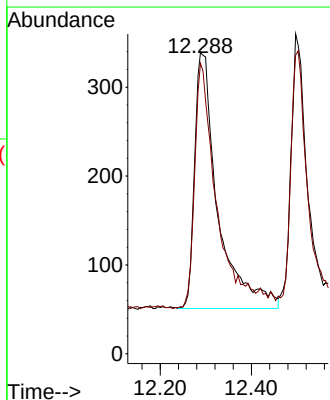
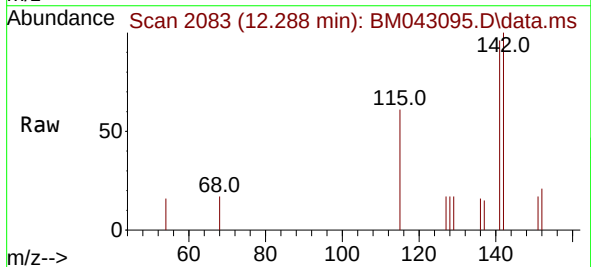
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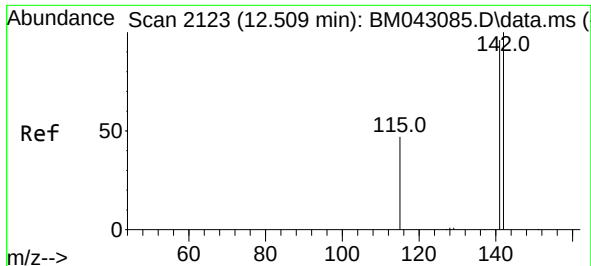
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#7
2-Methylnaphthalene
Concen: 0.243 ng/ul
RT: 12.288 min Scan# 2083
Delta R.T. -0.023 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

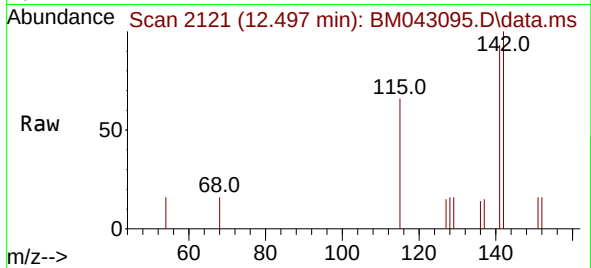
Tgt Ion:142 Resp: 1022
Ion Ratio Lower Upper
142 100
141 92.6 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.154 ng/ul
RT: 12.497 min Scan# 2123
Delta R.T. -0.012 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

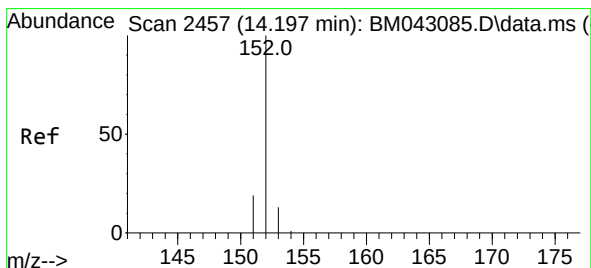
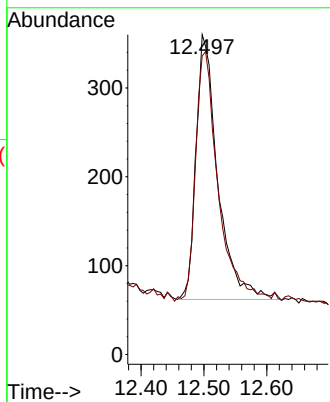
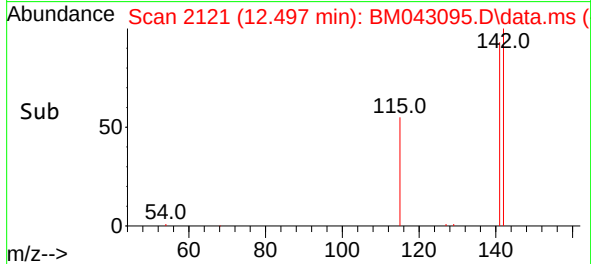
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:142 Resp: 720
Ion Ratio Lower Upper
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141 98.2 73.8 110.8

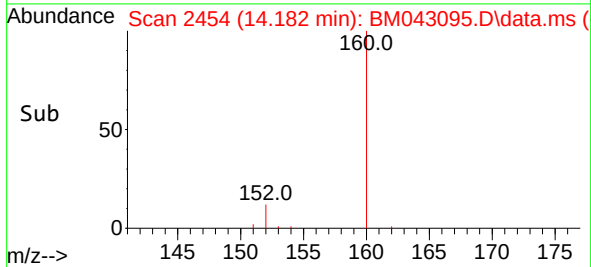
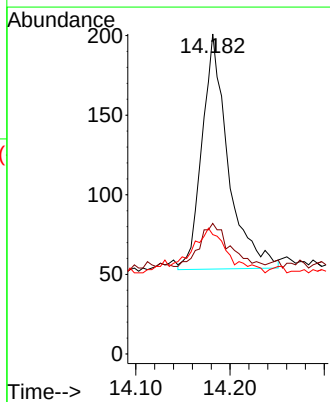
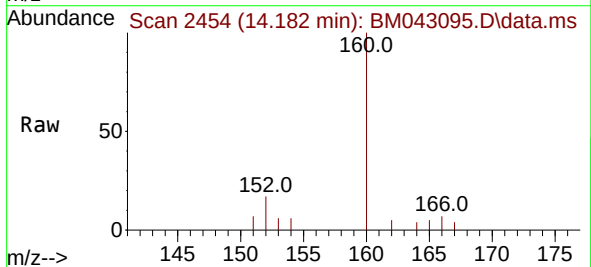
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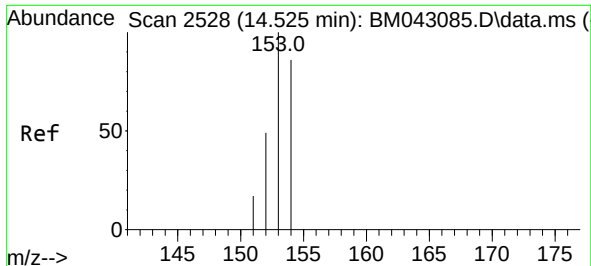
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#10
Acenaphthylene
Concen: 0.040 ng/ul
RT: 14.182 min Scan# 2454
Delta R.T. -0.015 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

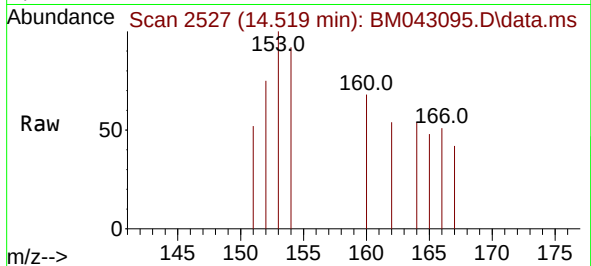
Tgt Ion:152 Resp: 284
Ion Ratio Lower Upper
152 100
151 40.8 19.4 29.0#
153 37.3 14.6 21.8#





#11
Acenaphthene
Concen: 0.028 ng/ul
RT: 14.519 min Scan# 2527
Delta R.T. -0.006 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

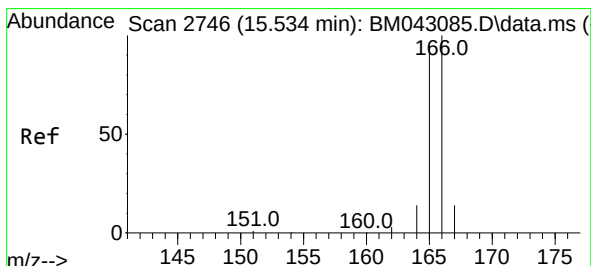
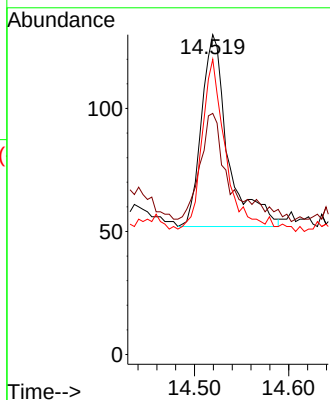
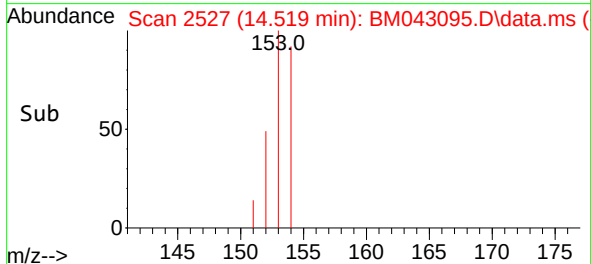
Instrument :
BNA_M
ClientSampleId :
C0AA2



Tgt Ion:153 Resp: 153
Ion Ratio Lower Upper
153 100
152 75.4 43.9 65.9
154 92.3 70.6 105.8

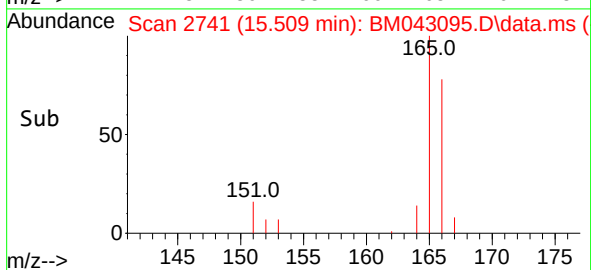
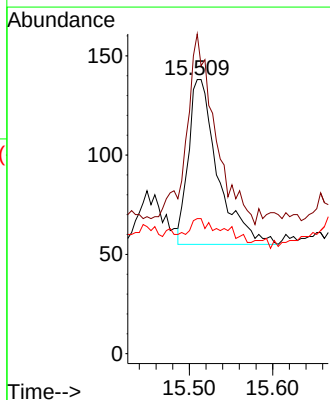
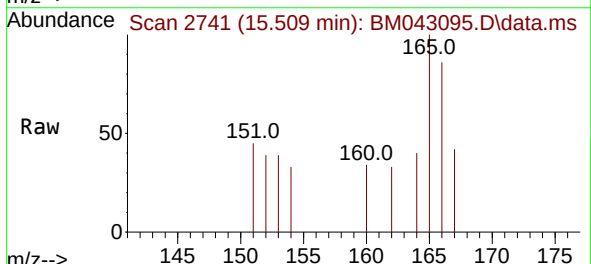
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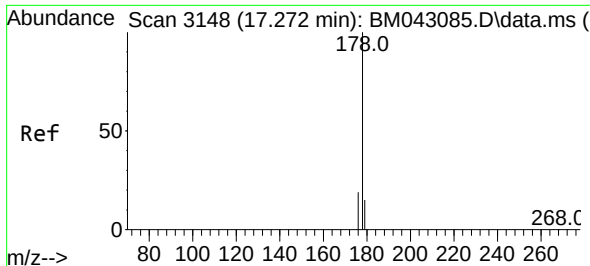
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#12
Fluorene
Concen: 0.037 ng/ul
RT: 15.509 min Scan# 2741
Delta R.T. -0.024 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

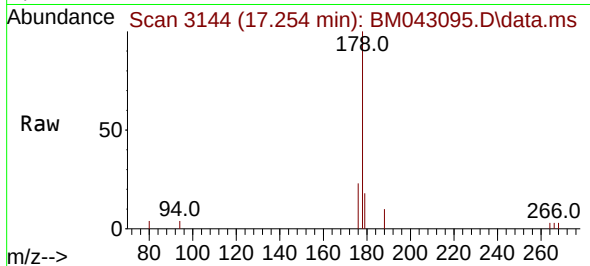
Tgt Ion:166 Resp: 203
Ion Ratio Lower Upper
166 100
165 116.7 79.9 119.9
167 49.3 14.2 21.4#





#15
Phenanthrene
Concen: 0.389 ng/ul
RT: 17.254 min Scan# 3144
Delta R.T. -0.018 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

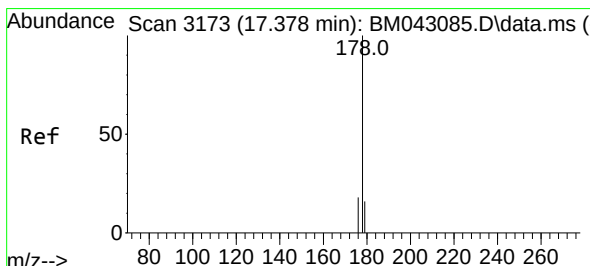
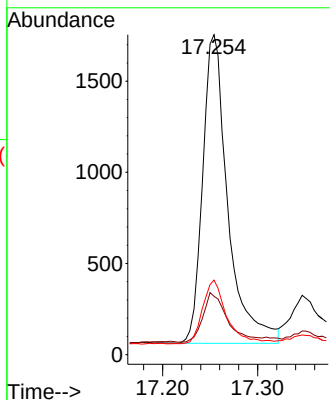
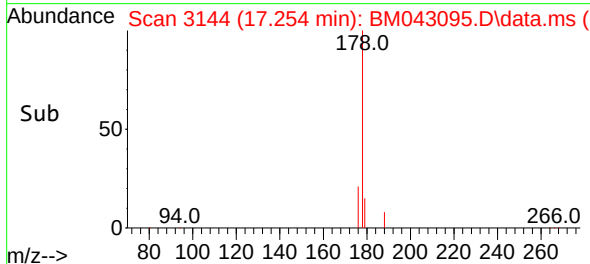
Instrument :
BNA_M
ClientSampleId :
C0AA2



Tgt Ion:178 Resp: 3128
Ion Ratio Lower Upper
178 100
179 18.2 15.7 23.5
176 23.3 18.9 28.3

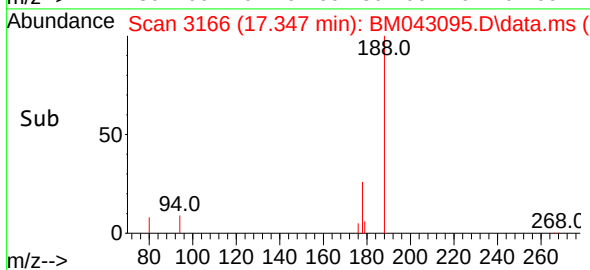
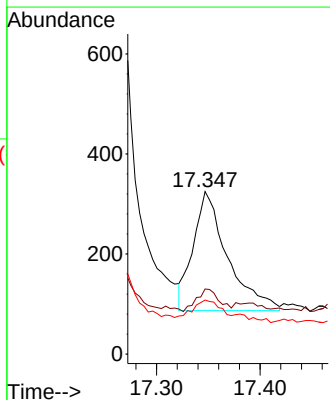
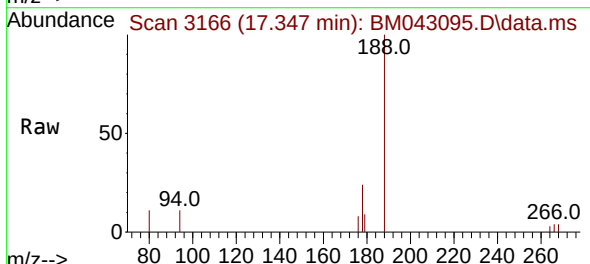
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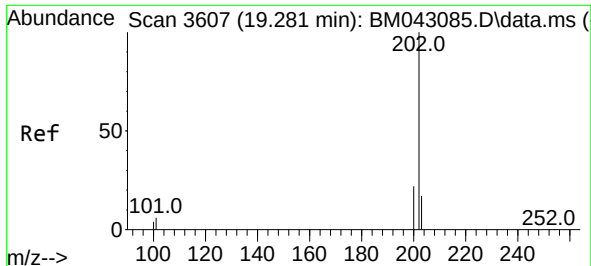
Reviewed By :Yogesh Patel 12/01/2023
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#16
Anthracene
Concen: 0.072 ng/ul m
RT: 17.347 min Scan# 3166
Delta R.T. -0.031 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

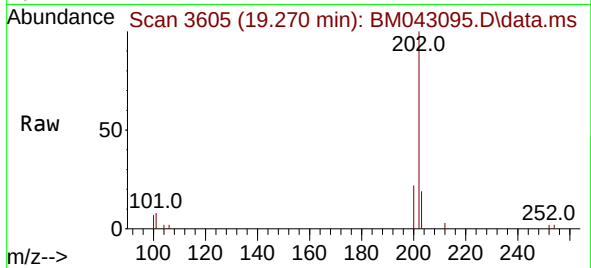
Tgt Ion:178 Resp: 548
Ion Ratio Lower Upper
178 100
179 40.0 17.3 25.9#
176 33.2 20.5 30.7#





#19
Fluoranthene
Concen: 0.488 ng/ul
RT: 19.270 min Scan# 3605
Delta R.T. -0.010 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

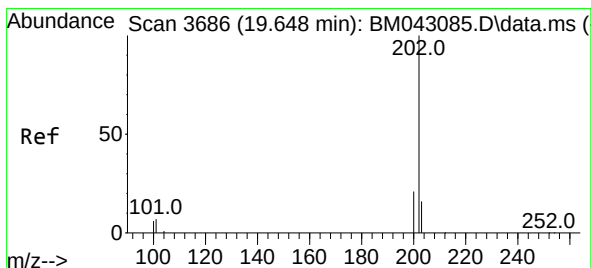
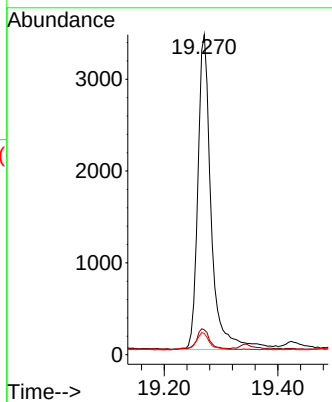
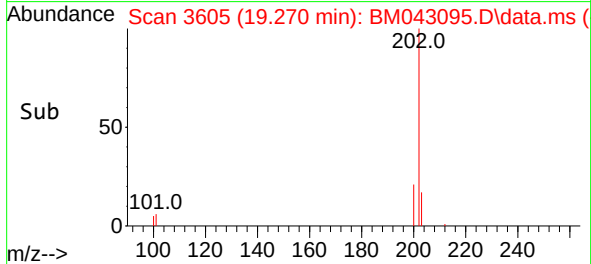
Instrument :
BNA_M
ClientSampleId :
C0AA2



Tgt Ion:202 Resp: 5612
Ion Ratio Lower Upper
202 100
101 7.7 7.8 11.8
100 6.7 7.1 10.7

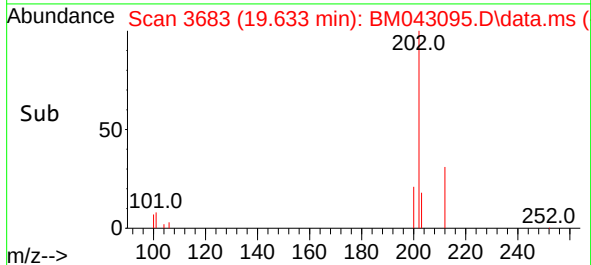
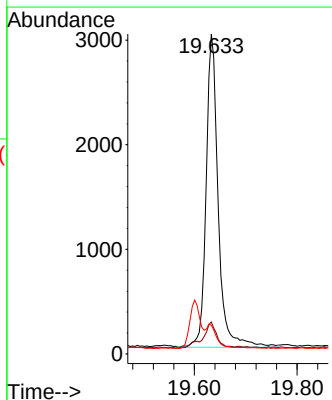
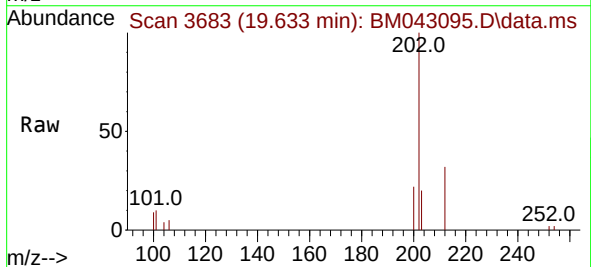
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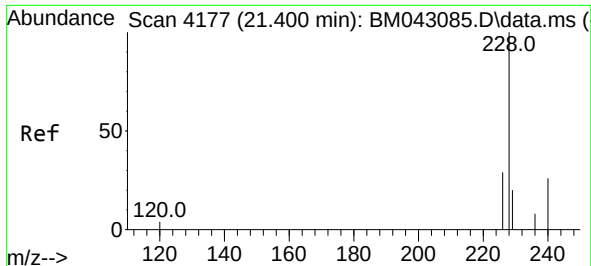
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#20
Pyrene
Concen: 0.398 ng/ul
RT: 19.633 min Scan# 3683
Delta R.T. -0.015 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

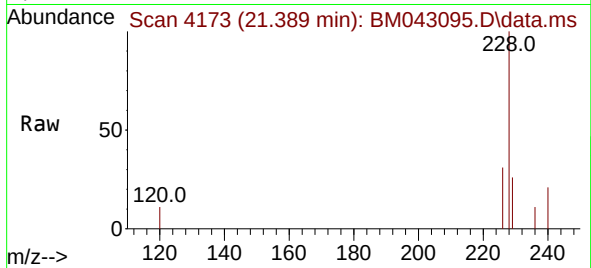
Tgt Ion:202 Resp: 4871
Ion Ratio Lower Upper
202 100
101 10.0 8.7 13.1
100 9.0 7.8 11.8





#21
Benzo(a)anthracene
Concen: 0.380 ng/u1
RT: 21.389 min Scan# 4177
Delta R.T. -0.011 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

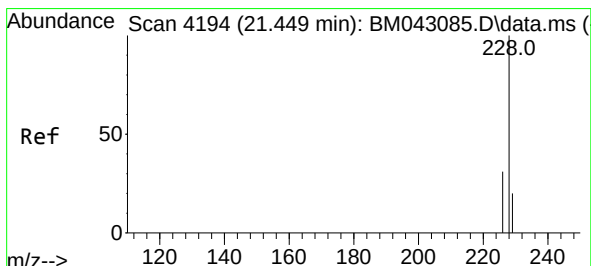
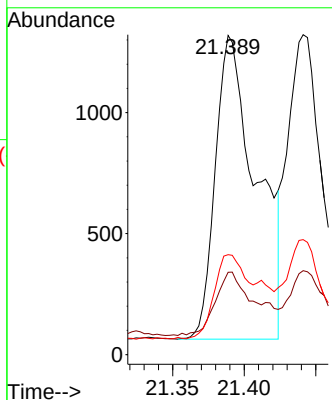
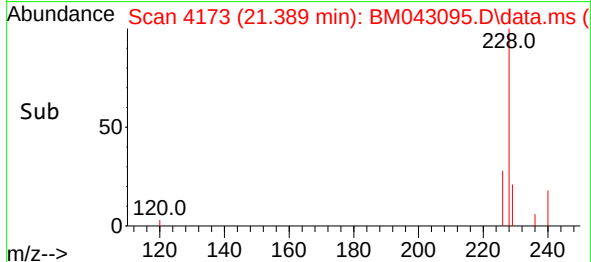
Instrument :
BNA_M
ClientSampleId :
C0AA2



Tgt Ion:228 Resp: 2504
Ion Ratio Lower Upper
228 100
229 25.8 19.4 29.0
226 31.3 24.9 37.3

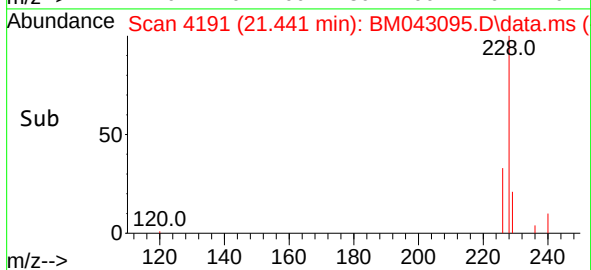
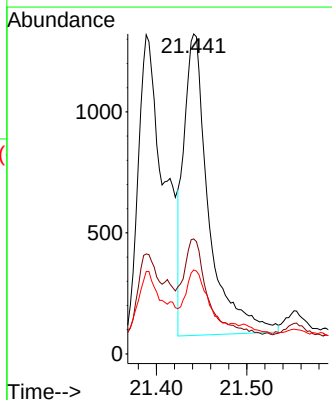
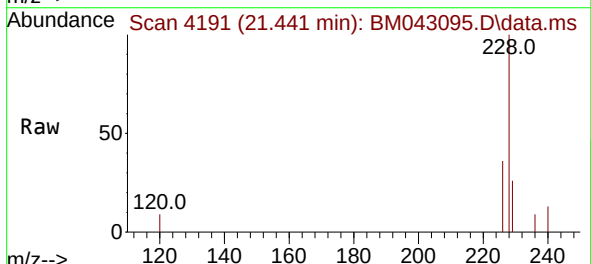
Manual Integrations
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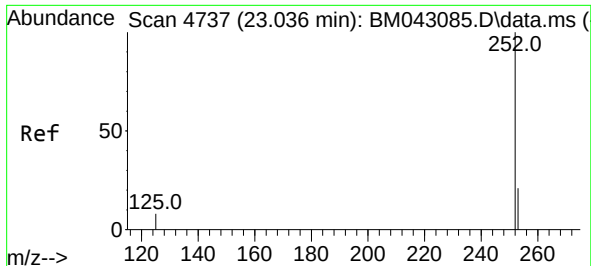
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#22
Chrysene
Concen: 0.195 ng/u1
RT: 21.441 min Scan# 4191
Delta R.T. -0.008 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

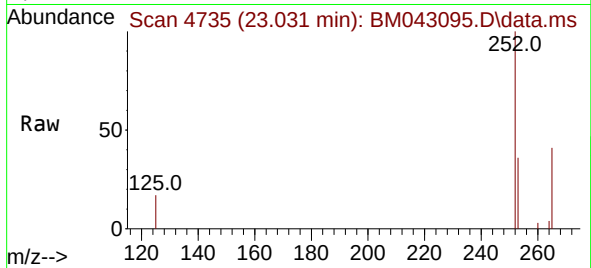
Tgt Ion:228 Resp: 2392
Ion Ratio Lower Upper
228 100
226 35.9 27.2 40.8
229 26.2 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 0.416 ng/ul
RT: 23.031 min Scan# 4735
Delta R.T. -0.005 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

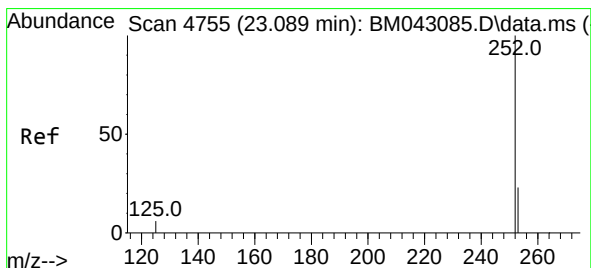
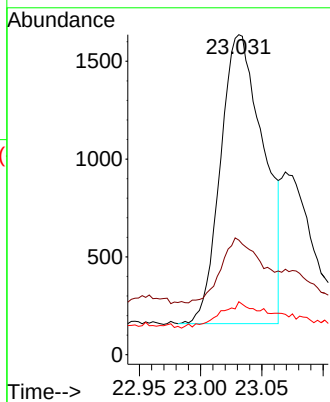
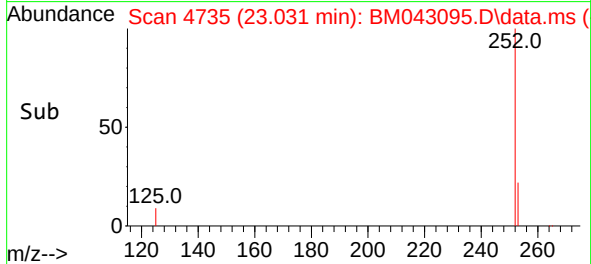
Instrument :
BNA_M
ClientSampleId :
C0AA2



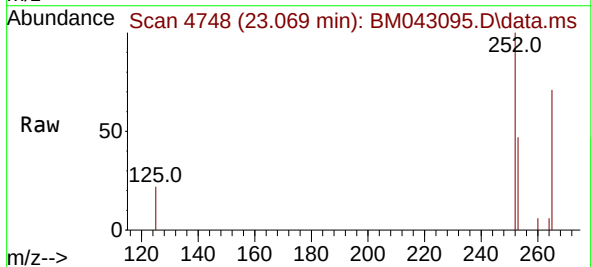
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Ion Ratio Lower Upper
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253 35.8 0.0 71.8
125 16.6 0.0 29.0

Manual Integrations
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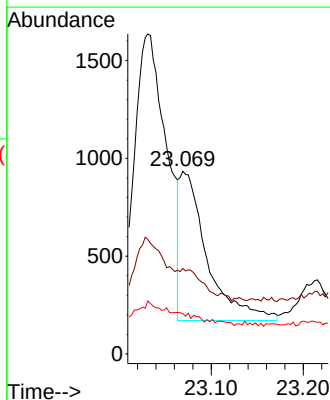
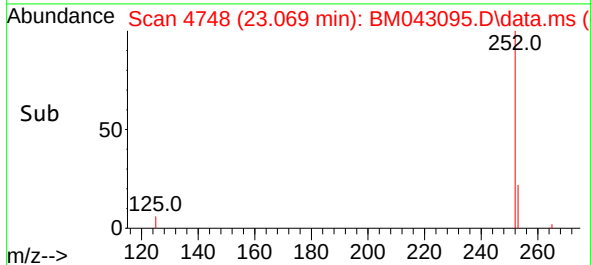
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

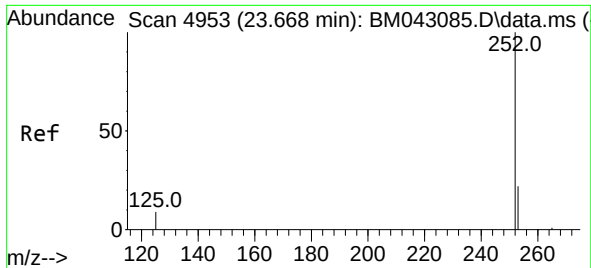


#25
Benzo(k)fluoranthene
Concen: 0.131 ng/ul m
RT: 23.069 min Scan# 4748
Delta R.T. -0.020 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17



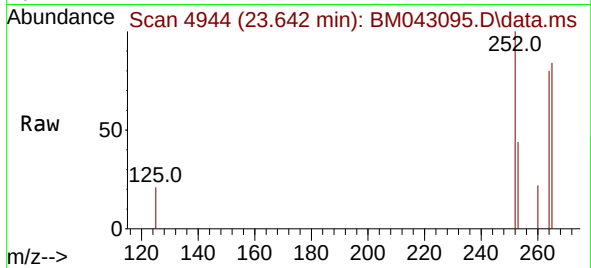
Tgt Ion:252 Resp: 1575
Ion Ratio Lower Upper
252 100
253 46.8 28.2 42.2#
125 22.1 11.0 16.6#





#26
Benzo(a)pyrene
Concen: 0.213 ng/ul
RT: 23.642 min Scan# 4953
Delta R.T. -0.026 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

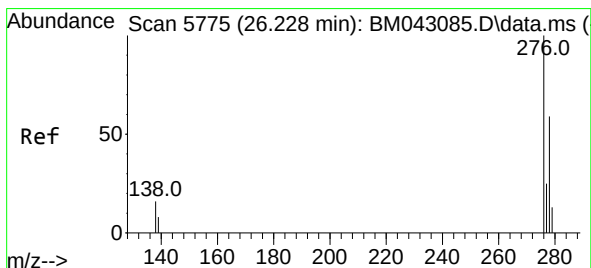
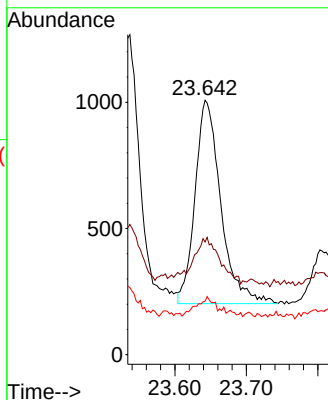
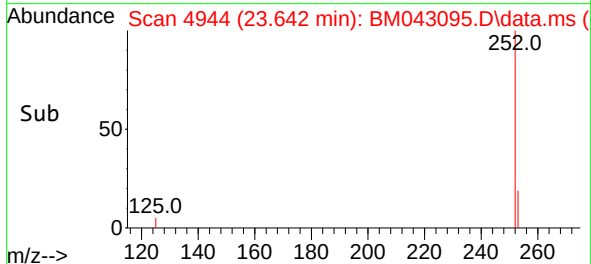
Instrument :
BNA_M
ClientSampleId :
C0AA2



Tgt Ion:252 Resp: 2028
Ion Ratio Lower Upper
252 100
253 44.3 36.6 55.0
125 21.0 16.2 24.4

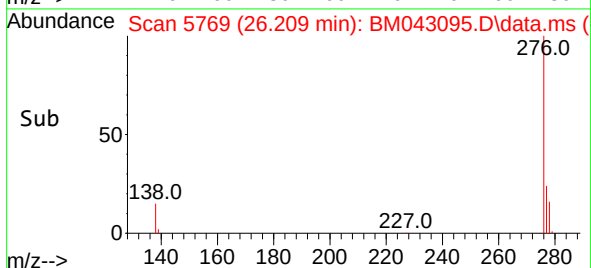
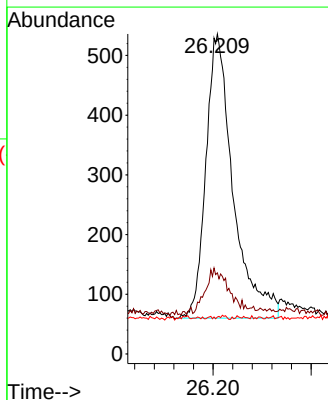
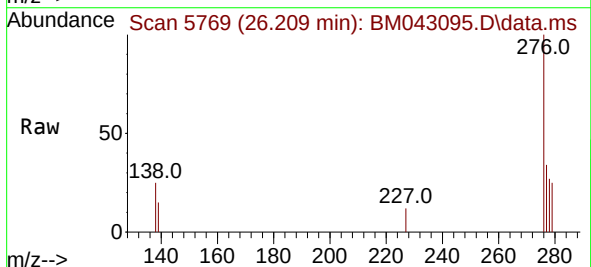
Manual Integrations
APPROVED

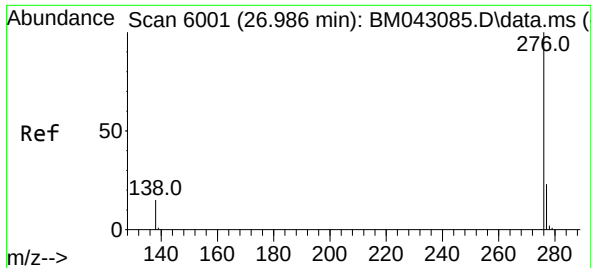
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.143 ng/ul
RT: 26.209 min Scan# 5769
Delta R.T. -0.019 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

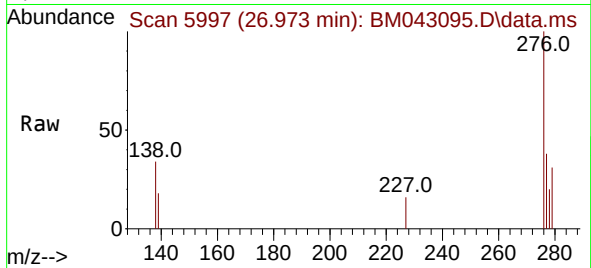
Tgt Ion:276 Resp: 1835
Ion Ratio Lower Upper
276 100
138 12.7 0.0 0.0#
227 0.1 0.2 0.2#





#29
Benzo(g,h,i)perylene
Concen: 0.107 ng/ul
RT: 26.973 min Scan# 5997
Delta R.T. -0.013 min
Lab File: BM043095.D
Acq: 30 Nov 2023 21:17

Instrument :
BNA_M
ClientSampleId :
C0AA2



Tgt Ion: 276 Resp: 1330

Ion	Ratio	Lower	Upper
276	100		
138	34.0	17.8	26.8
277	37.9	23.8	35.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

