

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046004.D
 Acq On : 12 Jun 2024 19:59
 Operator : MA/JU
 Sample : P2659-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC24

Quant Time: Jun 13 04:10:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024

Supervised By :mohammad
 ahmed
 06/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	118084	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	515496	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	340331	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	773922	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	704650	20.000	ng/u1	0.00
88) Perylene-d12	23.744	264	689618	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	9784	3.212	ng/uL	0.00
4) Pyridine-d5	3.469	84	40466	5.160	ng/u1	0.02
7) Phenol-d5	6.693	99	241841	24.108	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.804	67	171943	23.870	ng/u1	0.00
11) 2-Chlorophenol-d4	6.999	132	185007	24.690	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	187716	24.768	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	94005m	23.323	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	93923	23.025	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	181281	23.699	ng/u1	0.00
31) 4-Chloroaniline-d4	10.398	131	73806m	6.972	ng/u1	0.01
46) Dimethylphthalate-d6	13.528	166	581347	24.674	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	682330	24.939	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	68553	13.482	ng/u1	0.00
60) Fluorene-d10	15.080	176	526722	26.205	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.222	200	60275	15.252	ng/u1	0.00
73) Anthracene-d10	16.921	188	874282	25.986	ng/u1	0.00
81) Pyrene-d10	19.221	212	1011832	23.090	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.562	264	599815	18.610	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.281	105	32133	2.544	ng/u1	92
30) Naphthalene	10.251	128	50537	1.838	ng/u1	97
36) 2-Methylnaphthalene	11.881	142	26263	1.443	ng/u1	97
37) 1-Methylnaphthalene	12.098	142	29152	1.602	ng/u1#	95
50) Acenaphthylene	13.798	152	373916	11.808	ng/u1	99
52) Acenaphthene	14.145	153	49001	2.319	ng/u1	97
56) Dibenzofuran	14.486	168	45799	1.607	ng/u1	90
61) Fluorene	15.133	166	108151	4.710	ng/u1#	94
72) Phenanthrene	16.868	178	3129628	76.746	ng/u1	99
74) Anthracene	16.957	178	530198	13.017	ng/u1	99
77) Carbazole	17.245	167	228739	6.581	ng/u1	99
78) Di-n-butylphthalate	17.815	149	161506	3.534	ng/u1	97
80) Fluoranthene	18.898	202	7556159	142.235	ng/u1	99
82) Pyrene	19.257	202	5808114	106.411	ng/u1	99
83) Butylbenzylphthalate	20.180	149	95032	4.272	ng/u1	90
85) Benzo(a)anthracene	21.027	228	2905508	59.717	ng/u1	93
86) Bis(2-ethylhexyl)phtha...	20.968	149	376087	11.379	ng/u1	99
87) Chrysene	21.080	228	3083426	68.506	ng/u1	97
90) Benzo(b)fluoranthene	22.909	252	3532906	83.362	ng/u1	100
91) Benzo(k)fluoranthene	22.956	252	1266250m	30.590	ng/u1	
93) Benzo(a)pyrene	23.621	252	1515745	40.701	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.733	276	1339140	32.928	ng/u1	99
95) Dibenzo(a,h)anthracene	26.756	278	421018	13.089	ng/u1	93
96) Benzo(g,h,i)perylene	27.644	276	191833m	5.356	ng/u1	

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 16:01:34 2024
Response via : Initial Calibration

Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : MA/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

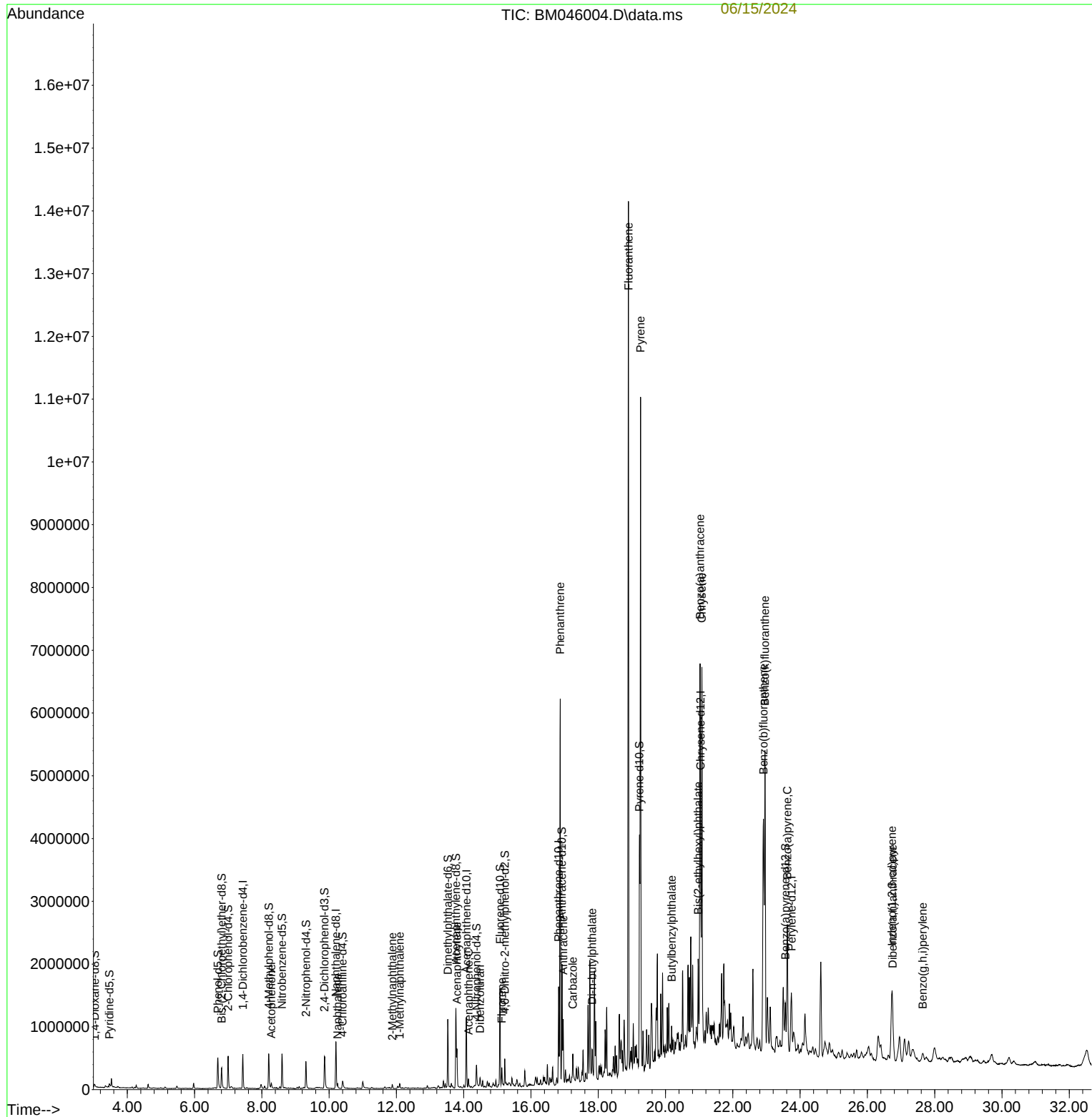
Instrument :
BNA_M
ClientSampleId :
BHC24

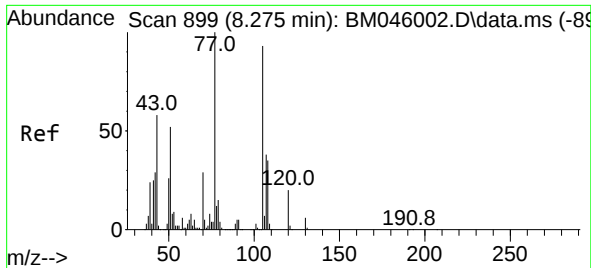
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
Quant Title : SVOA CALIBRATION
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#16
Acetophenone
Concen: 2.544 ng/ul
RT: 8.281 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

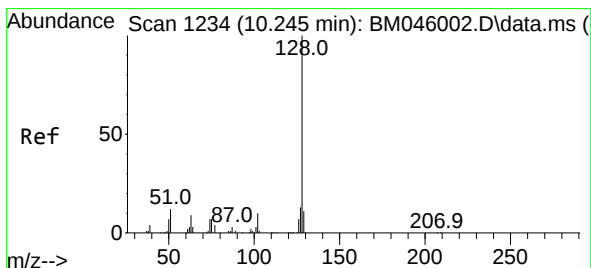
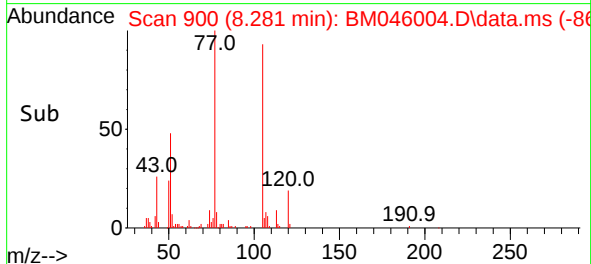
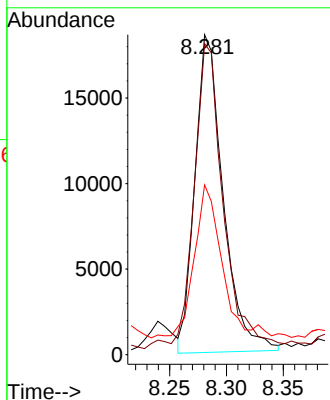
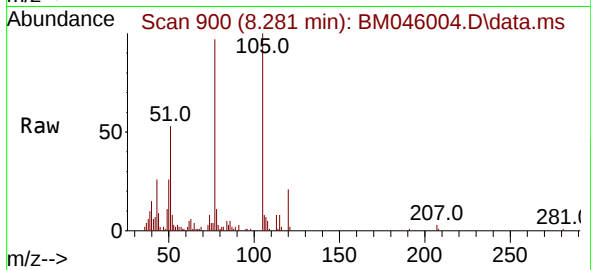
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:105 Resp: 3213
Ion Ratio Lower Upper
105 100
77 97.2 84.7 127.1
51 53.1 39.4 59.0

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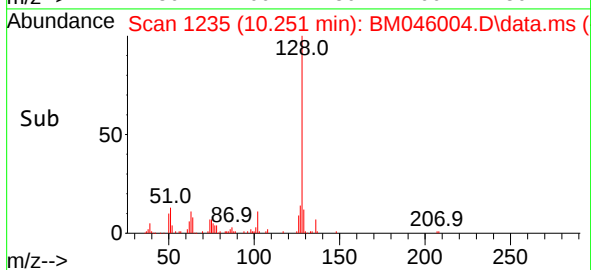
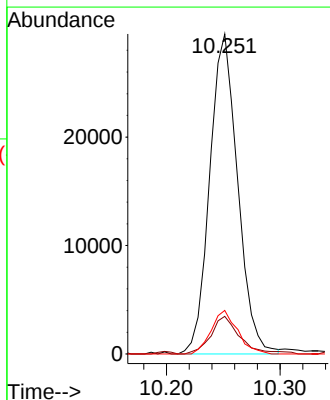
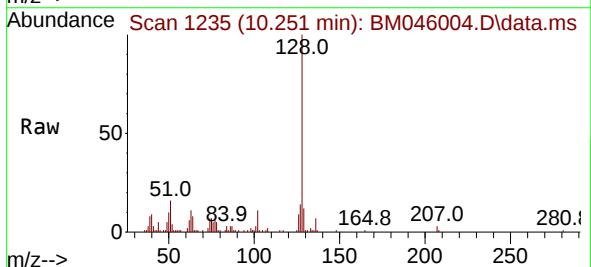
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

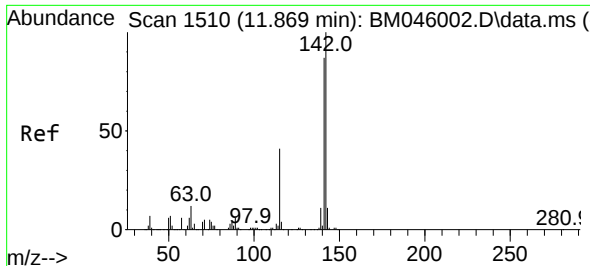
Supervised By :mohammad
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#30
Naphthalene
Concen: 1.838 ng/ul
RT: 10.251 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

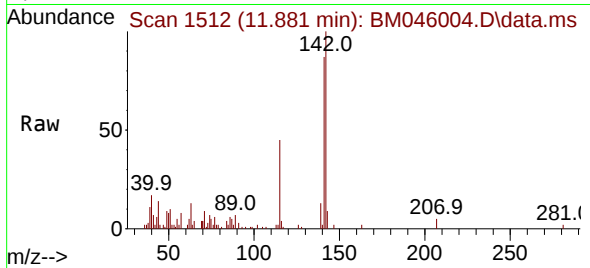
Tgt Ion:128 Resp: 50537
Ion Ratio Lower Upper
128 100
129 11.8 8.3 12.5
127 13.6 10.3 15.5





#36
2-Methylnaphthalene
Concen: 1.443 ng/ul
RT: 11.881 min Scan# 1512
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Instrument :
BNA_M
ClientSampleId :
BHC24

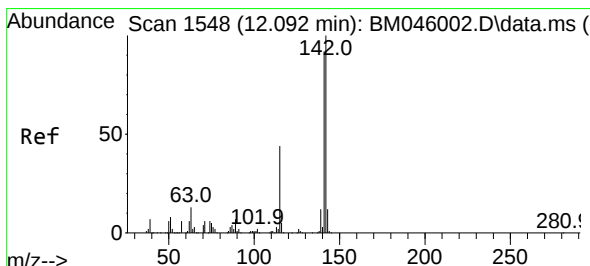
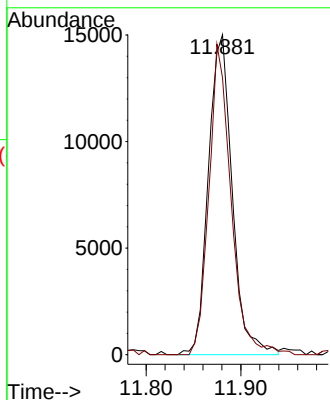
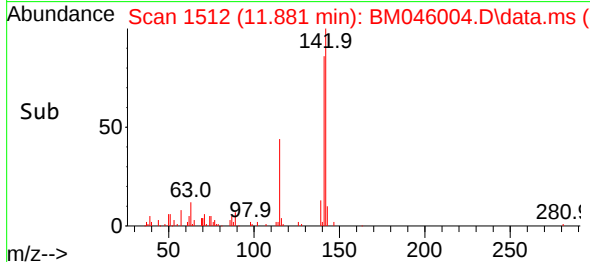


Tgt Ion:142 Resp: 2626
Ion Ratio Lower Upper
142 100
141 86.5 71.1 106.7

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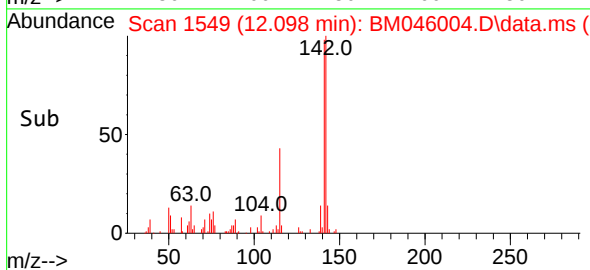
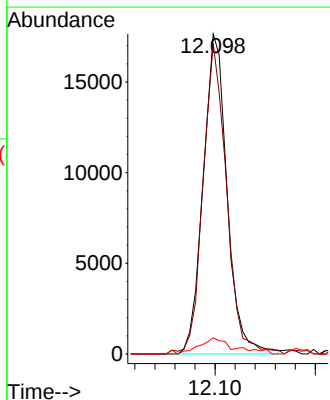
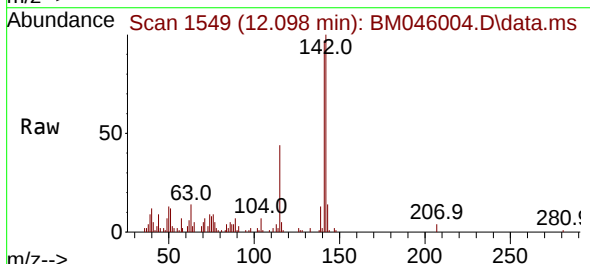
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

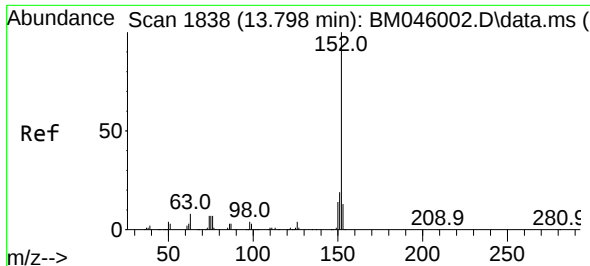
Supervised By :mohammad
ahmed
06/15/2024



#37
1-Methylnaphthalene
Concen: 1.602 ng/ul
RT: 12.098 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

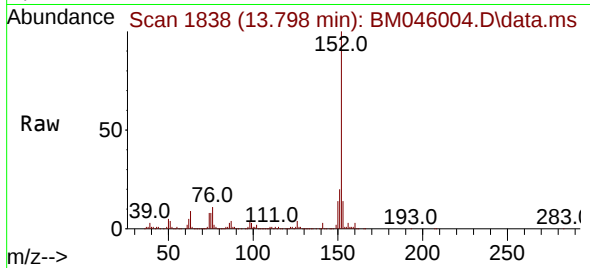
Tgt Ion:142 Resp: 29152
Ion Ratio Lower Upper
142 100
141 97.0 73.5 110.3
116 5.1 3.3 4.9#





#50
Acenaphthylene
Concen: 11.808 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

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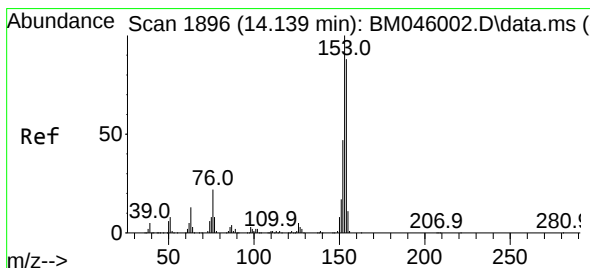
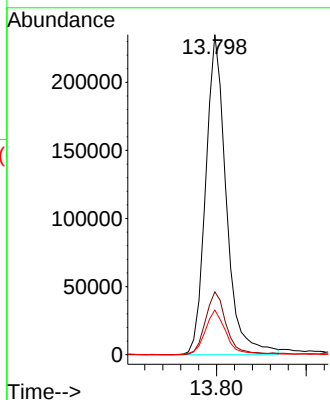
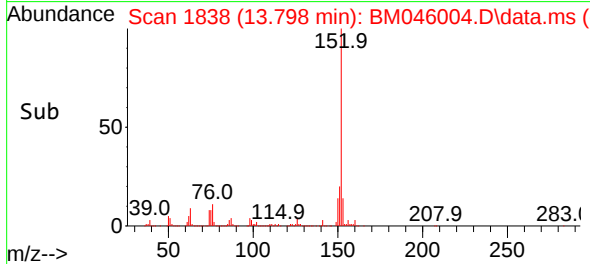


Tgt Ion:152 Resp: 373910
Ion Ratio Lower Upper
152 100
151 19.6 15.6 23.4
153 14.0 10.4 15.6

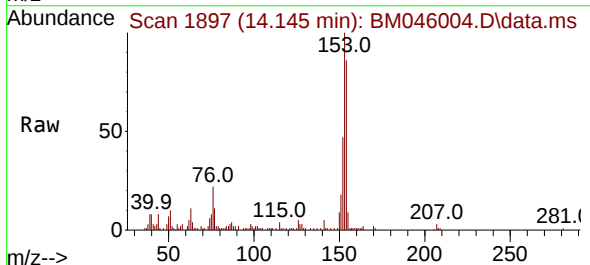
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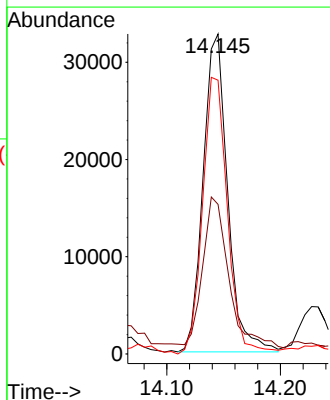
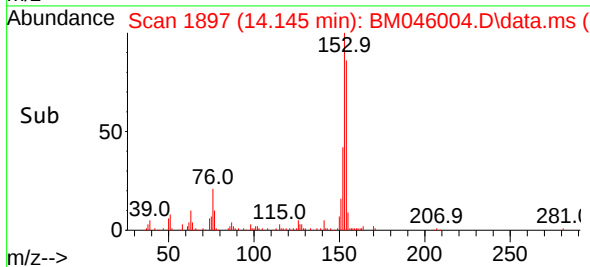
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06/15/2024

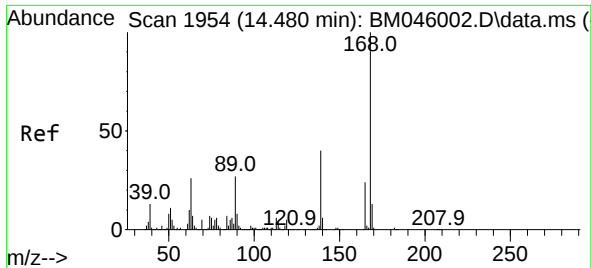


#52
Acenaphthene
Concen: 2.319 ng/ul
RT: 14.145 min Scan# 1897
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59



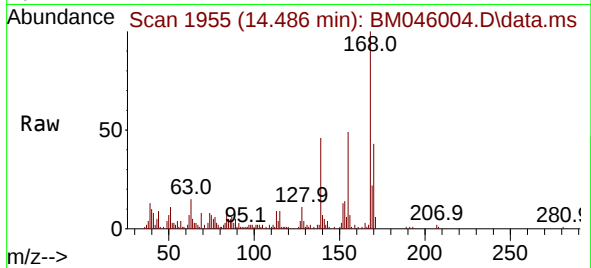
Tgt Ion:153 Resp: 49001
Ion Ratio Lower Upper
153 100
152 46.7 38.6 58.0
154 85.5 70.7 106.1





#56
Dibenzenofuran
Concen: 1.607 ng/ul
RT: 14.486 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

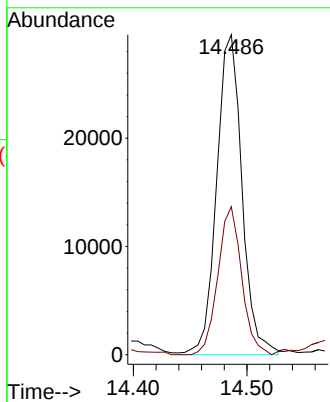
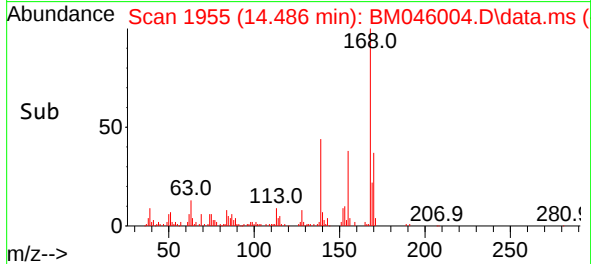
Instrument :
BNA_M
ClientSampleId :
BHC24



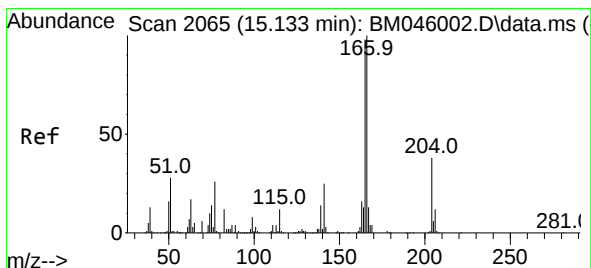
Tgt Ion:168 Resp: 45799
Ion Ratio Lower Upper
168 100
139 46.3 32.2 48.2

Manual Integrations
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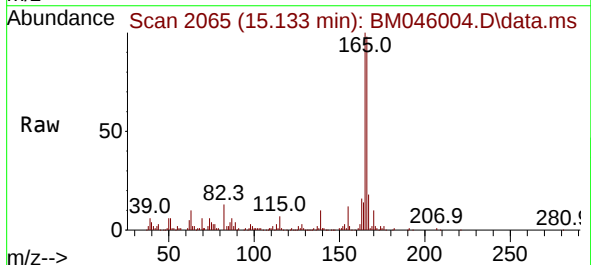
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



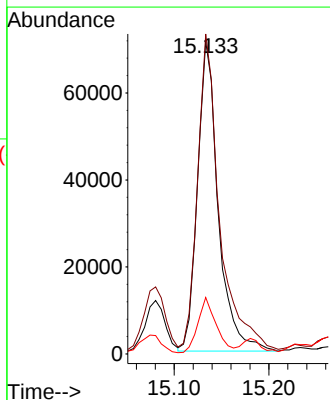
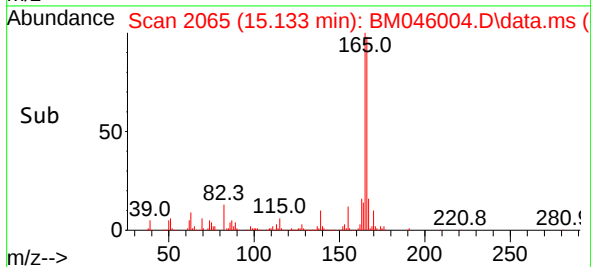
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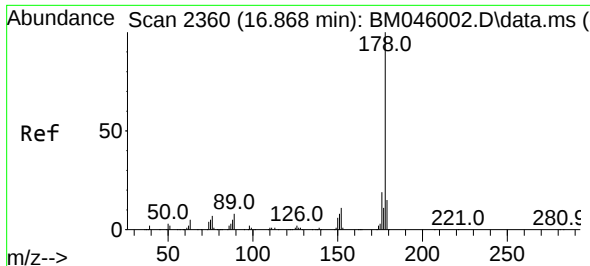


#61
Fluorene
Concen: 4.710 ng/ul
RT: 15.133 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59



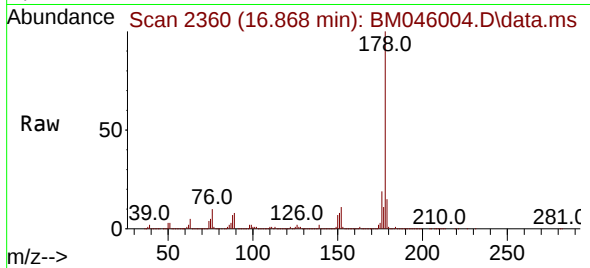
Tgt Ion:166 Resp: 108151
Ion Ratio Lower Upper
166 100
165 102.5 78.1 117.1
167 18.1 10.6 16.0#





#72
Phenanthrene
Concen: 76.746 ng/ul
RT: 16.868 min Scan# 2360
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

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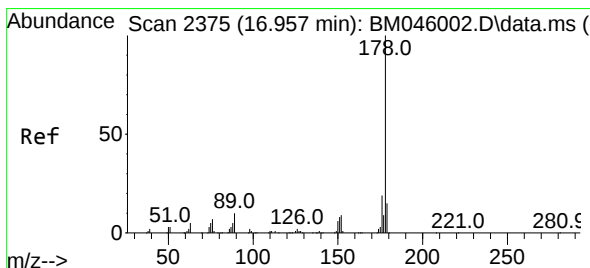
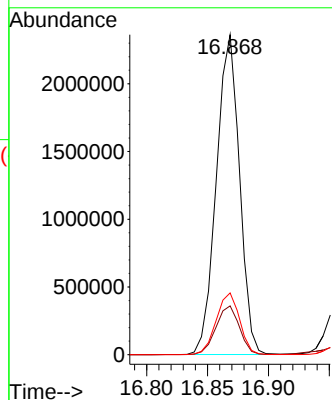


Tgt Ion:178 Resp: 3129628
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 19.3 15.3 22.9

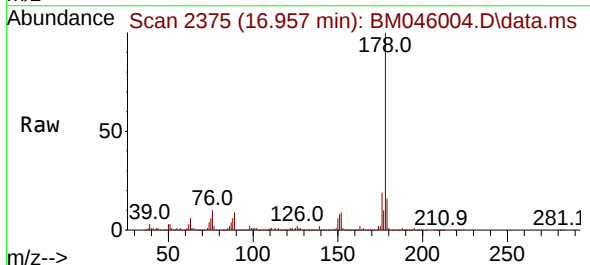
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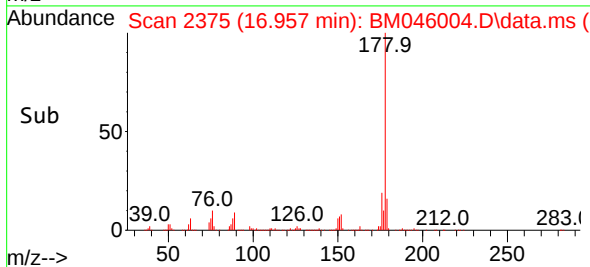
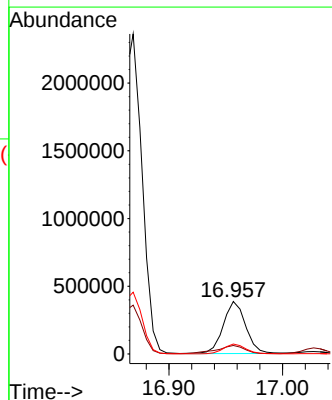
Supervised By :mohammad
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06/15/2024

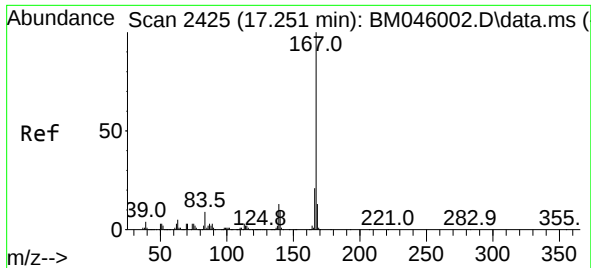


#74
Anthracene
Concen: 13.017 ng/ul
RT: 16.957 min Scan# 2375
Delta R.T. -0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59



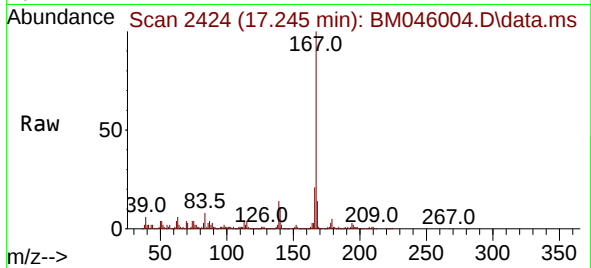
Tgt Ion:178 Resp: 530198
Ion Ratio Lower Upper
178 100
179 16.2 12.0 18.0
176 18.8 15.0 22.6





#77
 Carbazole
 Concen: 6.581 ng/ul
 RT: 17.245 min Scan# 2425
 Delta R.T. -0.012 min
 Lab File: BM046004.D
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Instrument :
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 BHC24

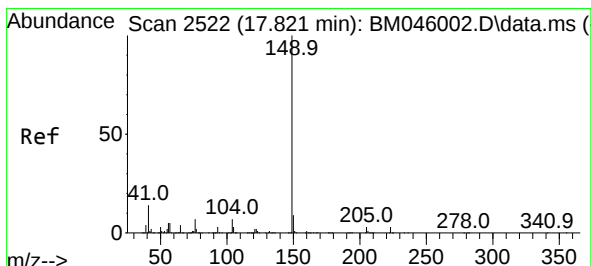
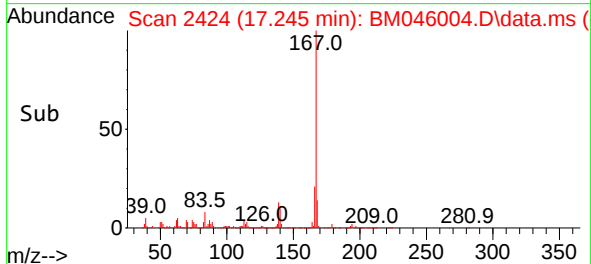
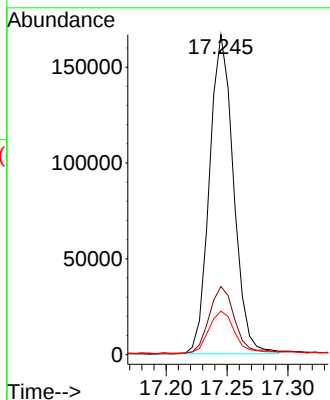


Tgt Ion:167 Resp: 228739
 Ion Ratio Lower Upper
 167 100
 166 21.3 16.6 24.8
 139 13.6 10.6 16.0

Manual Integrations
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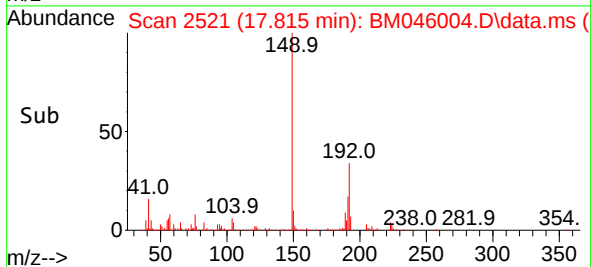
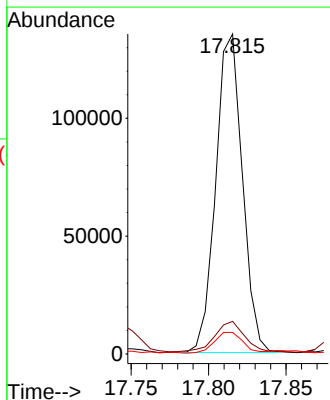
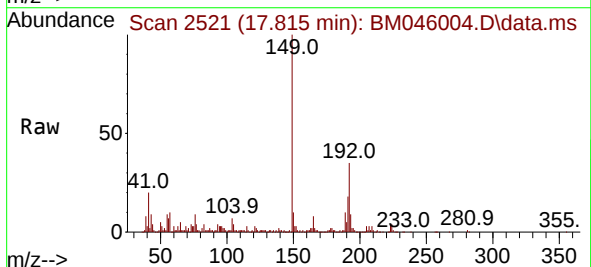
Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024

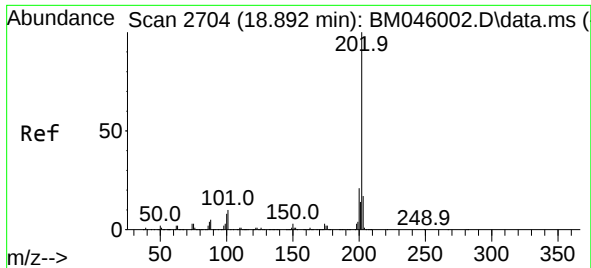
Supervised By :mohammad
 ahmed
 06/15/2024



#78
 Di-n-butylphthalate
 Concen: 3.534 ng/ul
 RT: 17.815 min Scan# 2521
 Delta R.T. -0.006 min
 Lab File: BM046004.D
 Acq: 12 Jun 2024 19:59

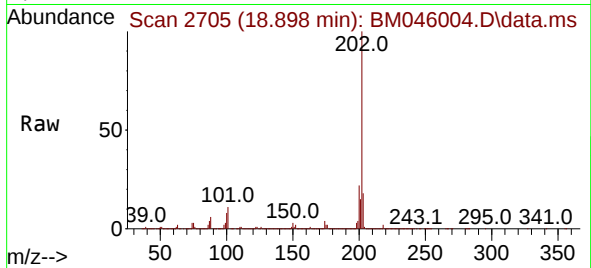
Tgt Ion:149 Resp: 161506
 Ion Ratio Lower Upper
 149 100
 150 10.2 7.1 10.7
 104 6.8 4.9 7.3





#80
Fluoranthene
Concen: 142.235 ng/u1
RT: 18.898 min Scan# 2704
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Instrument :
BNA_M
ClientSampleId :
BHC24

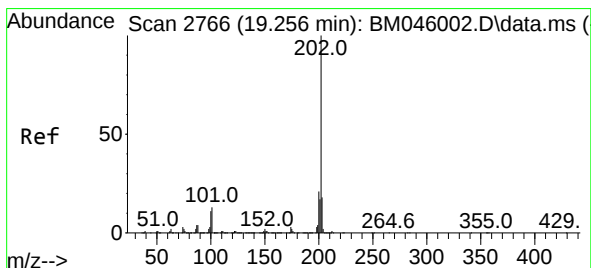
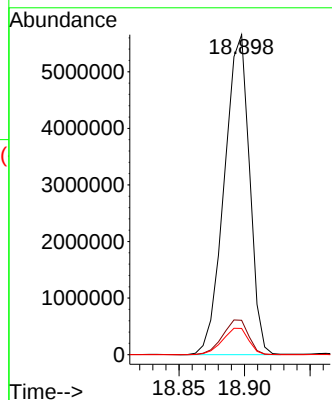


Tgt Ion:202 Resp: 7556159
Ion Ratio Lower Upper
202 100
101 10.8 8.9 13.3
100 8.2 6.6 10.0

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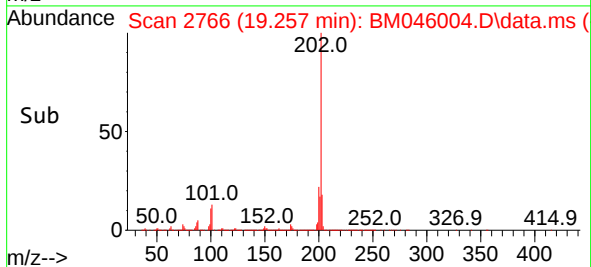
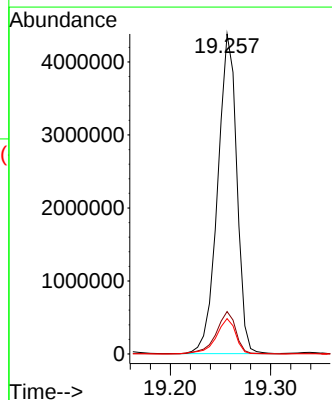
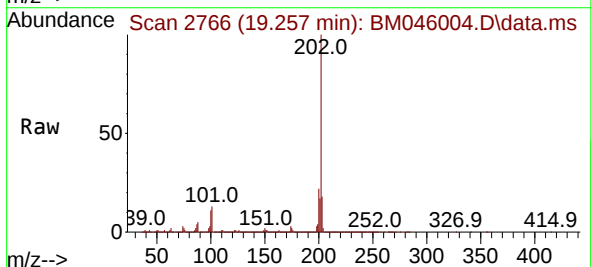
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

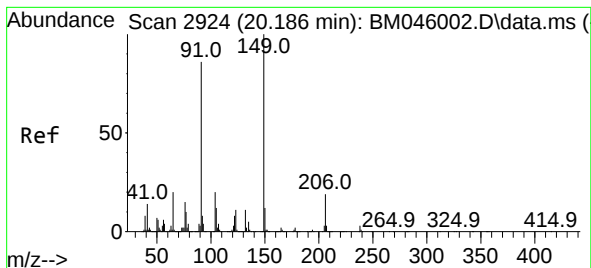
Supervised By :mohammad
ahmed
06/15/2024



#82
Pyrene
Concen: 106.411 ng/u1
RT: 19.257 min Scan# 2766
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:202 Resp: 5808114
Ion Ratio Lower Upper
202 100
101 13.2 10.5 15.7
100 11.0 8.6 12.8





#83

Butylbenzylphthalate

Concen: 4.272 ng/ul

RT: 20.180 min Scan# 2924

Delta R.T. -0.006 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

Instrument :

BNA_M

ClientSampleId :

BHC24

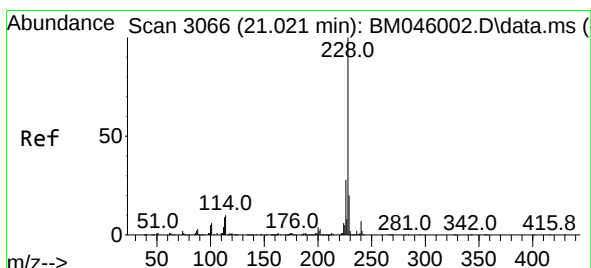
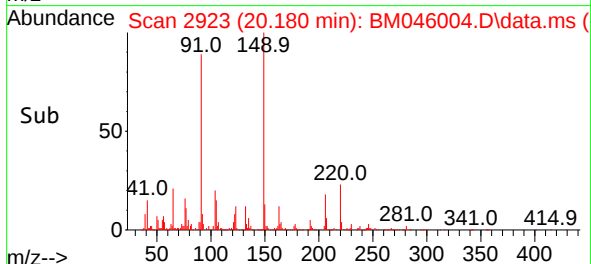
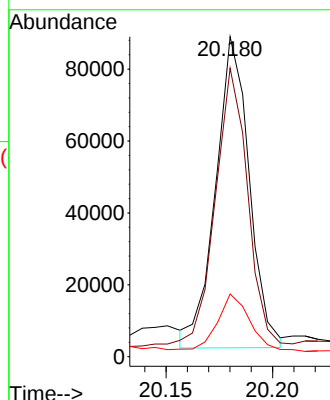
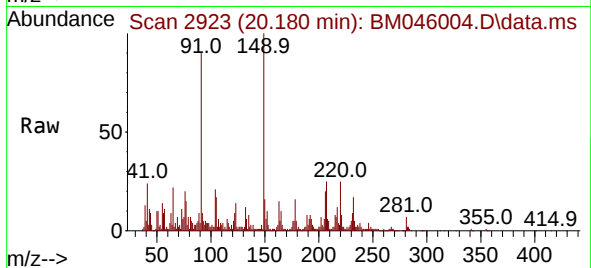
Tgt Ion:	149	Resp:	9503
Ion Ratio	Lower	Upper	
149	100		
91	90.2	63.7	95.5
206	19.6	15.9	23.9

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Supervised By :mohammad
ahmed
06/15/2024



#85

Benzo(a)anthracene

Concen: 59.717 ng/ul

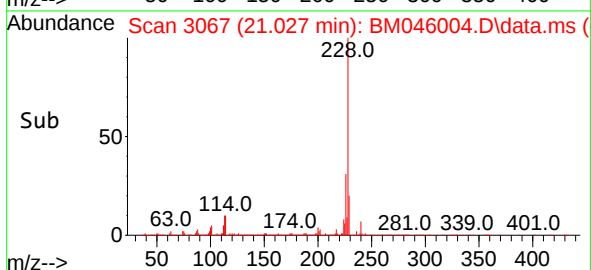
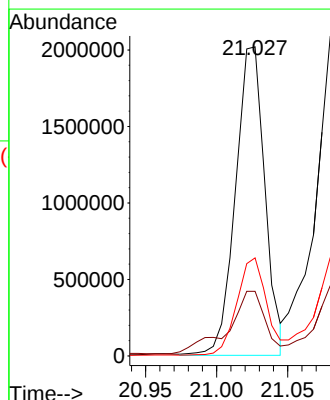
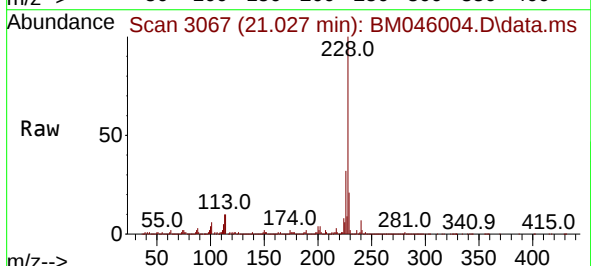
RT: 21.027 min Scan# 3067

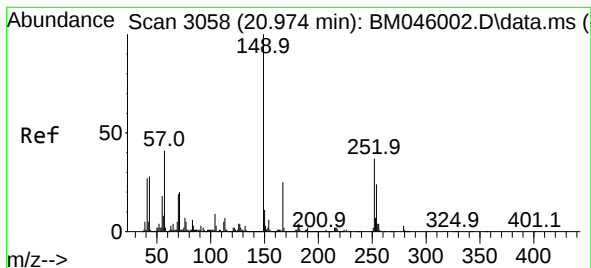
Delta R.T. 0.000 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

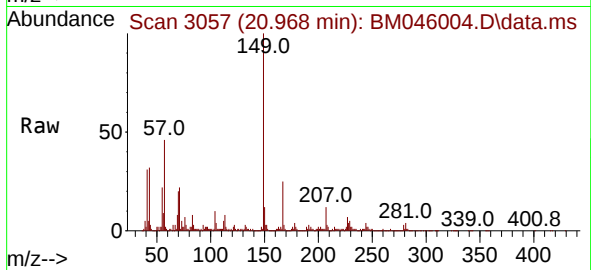
Tgt Ion:	228	Resp:	2905508
Ion Ratio	Lower	Upper	
228	100		
229	20.9	15.8	23.8
226	31.7	21.4	32.0





#86
Bis(2-ethylhexyl)phthalate
Concen: 11.379 ng/ul
RT: 20.968 min Scan# 3057
Delta R.T. -0.012 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Instrument :
BNA_M
ClientSampleId :
BHC24

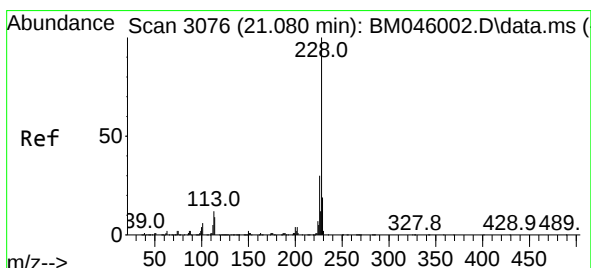
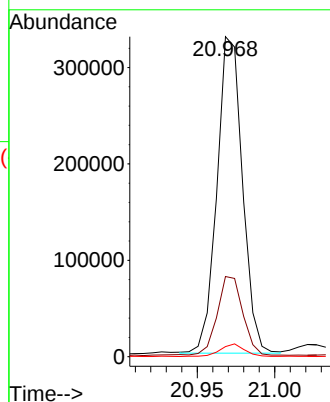
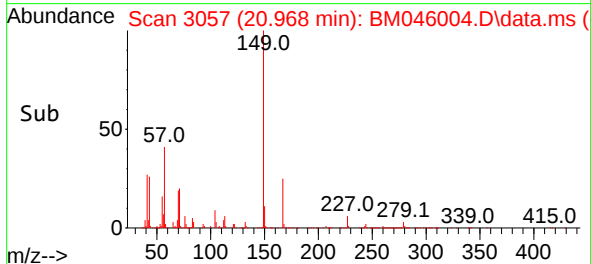


Tgt Ion:149 Resp: 37608
Ion Ratio Lower Upper
149 100
167 25.0 20.4 30.6
279 3.2 3.1 4.7

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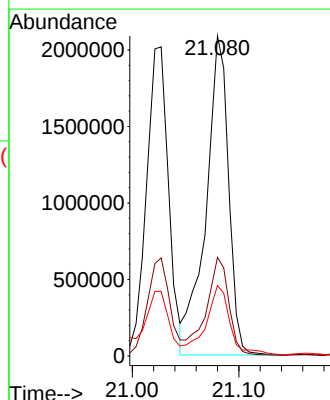
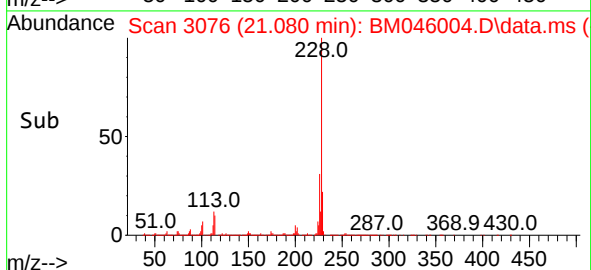
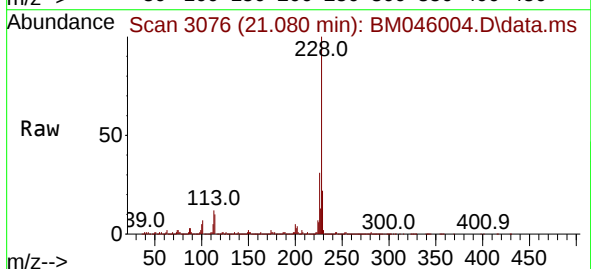
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

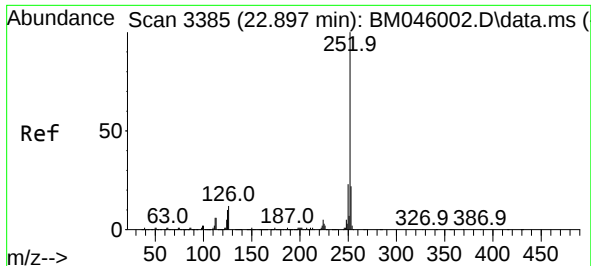
Supervised By :mohammad
ahmed
06/15/2024



#87
Chrysene
Concen: 68.506 ng/ul
RT: 21.080 min Scan# 3076
Delta R.T. -0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

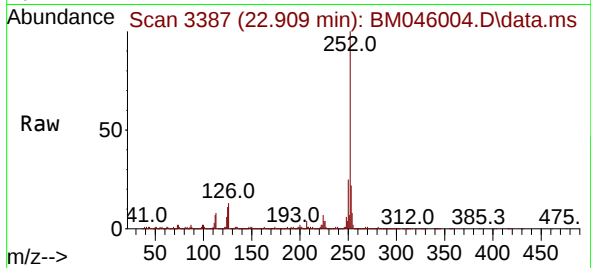
Tgt Ion:228 Resp: 3083426
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 22.0 15.2 22.8





#90
Benzo(b)fluoranthene
Concen: 83.362 ng/ul
RT: 22.909 min Scan# 3387
Delta R.T. 0.006 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Instrument :
BNA_M
ClientSampleId :
BHC24

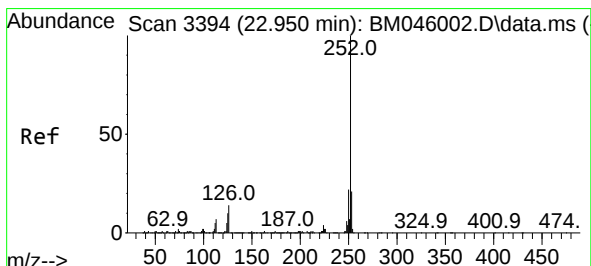
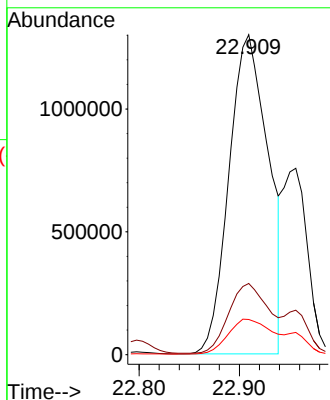
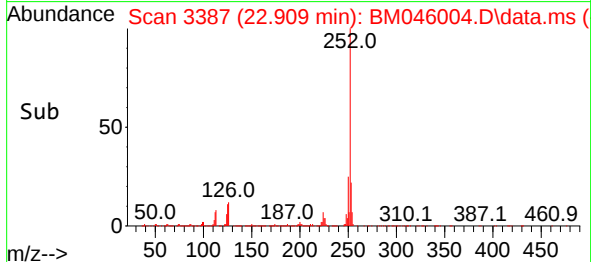


Tgt Ion:252 Resp: 3532900
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 11.0 8.4 12.6

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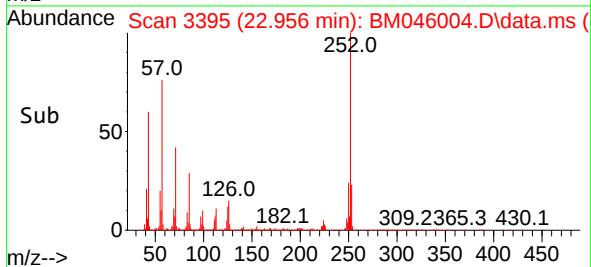
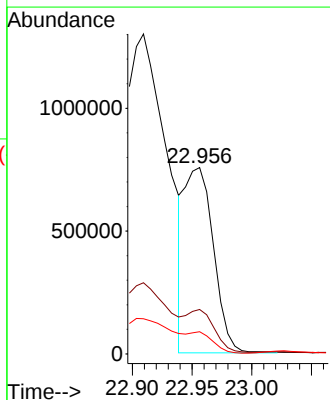
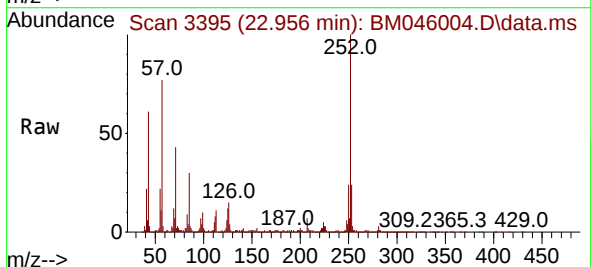
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

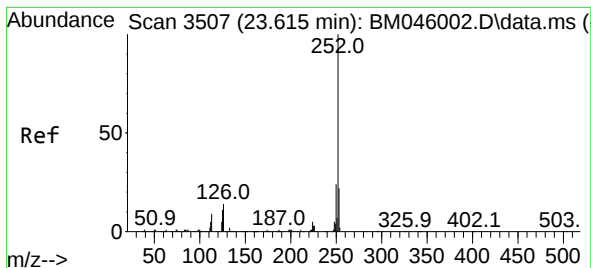
Supervised By :mohammad
ahmed
06/15/2024



#91
Benzo(k)fluoranthene
Concen: 30.590 ng/ul m
RT: 22.956 min Scan# 3395
Delta R.T. 0.000 min
Lab File: BM046004.D
Acq: 12 Jun 2024 19:59

Tgt Ion:252 Resp: 1266250
Ion Ratio Lower Upper
252 100
253 23.9 16.8 25.2
125 12.0 8.2 12.4





#93

Benzo(a)pyrene

Concen: 40.701 ng/ul

RT: 23.621 min Scan# 3507

Delta R.T. 0.000 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

Instrument :

BNA_M

ClientSampleId :

BHC24

Tgt Ion:252 Resp: 151574

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

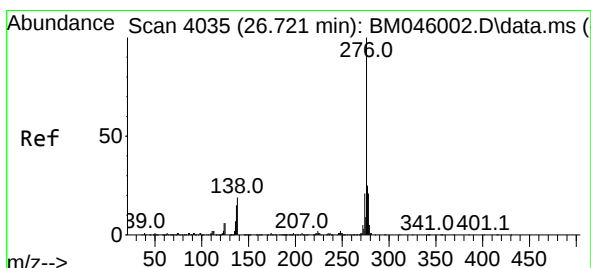
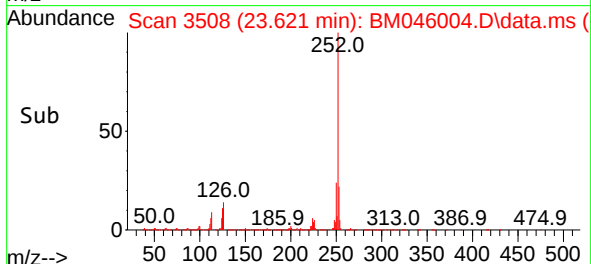
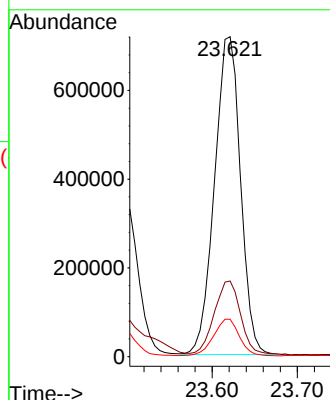
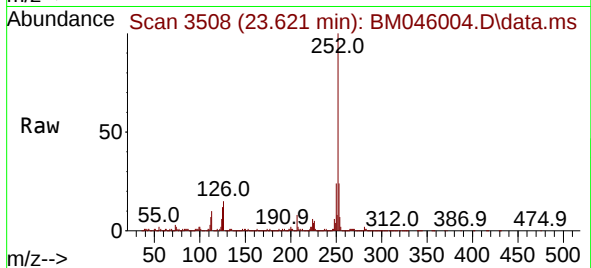
125 11.7 9.3 13.9

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024

Supervised By :mohammad
ahmed
06/15/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 32.928 ng/ul

RT: 26.733 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

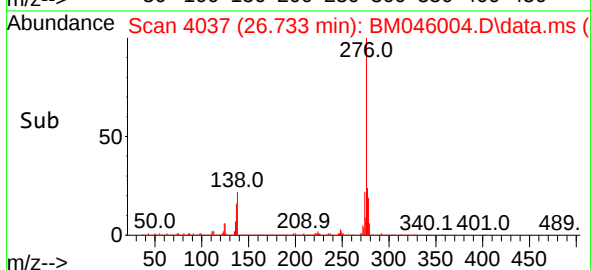
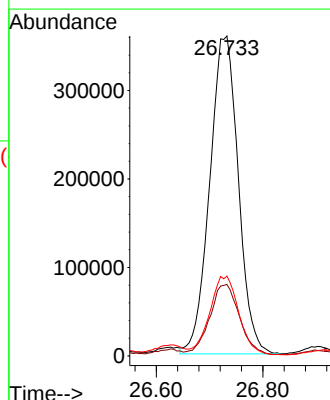
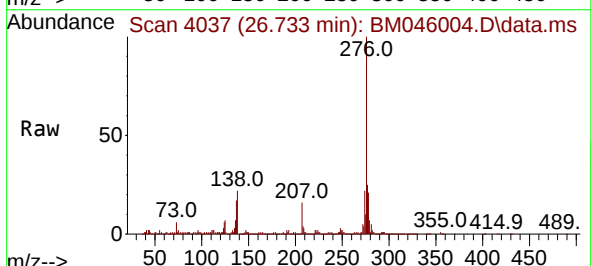
Tgt Ion:276 Resp: 1339140

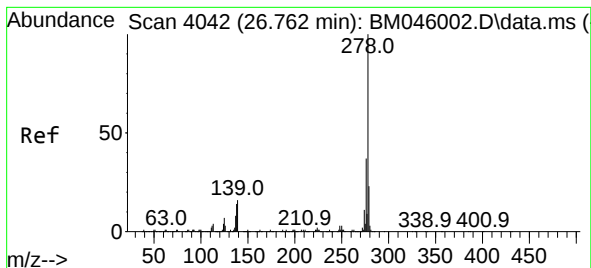
Ion Ratio Lower Upper

276 100

138 22.4 17.9 26.9

277 25.0 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 13.089 ng/ul

RT: 26.756 min Scan# 4042

Delta R.T. -0.018 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

Instrument :

BNA_M

ClientSampleId :

BHC24

Tgt Ion:278 Resp: 421018

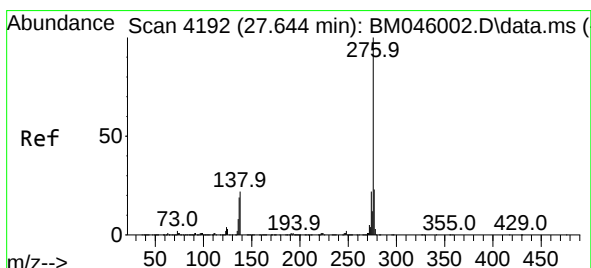
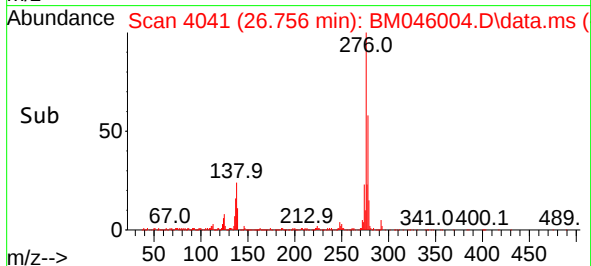
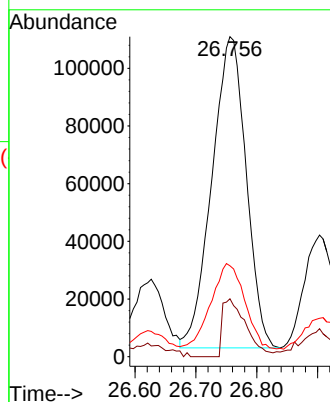
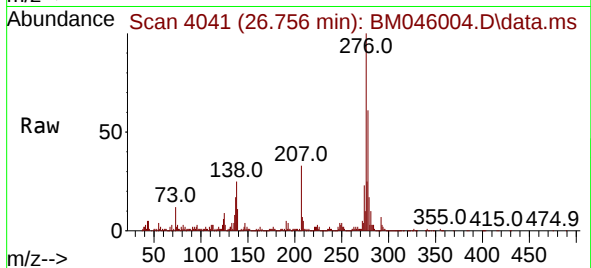
Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.2	19.8
279	28.4	19.1	28.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024

Supervised By :mohammad
ahmed
06/15/2024



#96

Benzo(g,h,i)perylene

Concen: 5.356 ng/ul m

RT: 27.644 min Scan# 4192

Delta R.T. -0.012 min

Lab File: BM046004.D

Acq: 12 Jun 2024 19:59

Tgt Ion:276 Resp: 191833

Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.6	27.8
277	24.0	18.7	28.1

