

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049556.D
 Acq On : 31 Jan 2025 13:59
 Operator : RC/JU
 Sample : Q1190-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44S4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 03 08:05:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 14:45:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	226783	20.000	ng/ul	0.00
20) Naphthalene-d8	10.269	136	890674	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.151	164	608673	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.909	188	1264041	20.000	ng/ul	0.00
79) Chrysene-d12	21.156	240	1175050	20.000	ng/ul	0.02
88) Perylene-d12	23.944	264	1323324	20.000	ng/ul	# 0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.110	96	12492	2.041	ng/uL	-0.01
4) Pyridine-d5	3.510	84	64947	3.611	ng/ul	0.00
7) Phenol-d5	6.722	99	292896	15.916	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	6.857	67	165797	13.175	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	229871	16.142	ng/ul	0.00
15) 4-Methylphenol-d8	8.239	113	209658	15.550	ng/ul	0.01
21) Nitrobenzene-d5	8.651	128	103342	15.166	ng/ul	0.00
24) 2-Nitrophenol-d4	9.369	143	121355	16.328	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	253125	16.689	ng/ul	0.01
31) 4-Chloroaniline-d4	10.428	131	106532m	5.476	ng/ul	0.00
46) Dimethylphthalate-d6	13.574	166	734596	16.460	ng/ul	0.00
49) Acenaphthylene-d8	13.839	160	731432	13.949	ng/ul	0.00
54) 4-Nitrophenol-d4	14.427	143	90621	12.378	ng/ul	0.05
60) Fluorene-d10	15.151	176	522946	13.325	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200	32564	4.088	ng/ul	0.02
73) Anthracene-d10	17.009	188	771439	12.221	ng/ul	0.00
81) Pyrene-d10	19.321	212	745345	10.850	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.756	264	462520	6.553	ng/ul	0.03
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.669	77	11771	1.165	ng/ul#	80
8) Phenol	6.751	94	102062	5.284	ng/ul	96
16) Acetophenone	8.322	105	461264	20.572	ng/ul	97
18) 4-Methylphenol	8.304	108	19938	1.365	ng/ul	97
30) Naphthalene	10.322	128	1522993	32.116	ng/ul	99
36) 2-Methylnaphthalene	11.939	142	440920	13.633	ng/ul	99
37) 1-Methylnaphthalene	12.163	142	263115	8.252	ng/ul	98
43) 1,1'-Biphenyl	12.974	154	208797	4.521	ng/ul	99
52) Acenaphthene	14.216	153	1621320	42.154	ng/ul	100
56) Dibenzofuran	14.557	168	1501292	27.376	ng/ul	99
61) Fluorene	15.210	166	1963208	44.302	ng/ul	97
72) Phenanthrene	16.957	178	16149268	226.962	ng/ul	93
74) Anthracene	17.045	178	5361696	74.811	ng/ul	99
77) Carbazole	17.321	167	2400606	37.477	ng/ul	99
80) Fluoranthene	18.986	202	18266693m	232.824	ng/ul	
82) Pyrene	19.356	202	15495064	183.552	ng/ul	98
85) Benzo(a)anthracene	21.139	228	11436666	138.554	ng/ul	95
87) Chrysene	21.203	228	9880456	128.894	ng/ul	96
90) Benzo(b)fluoranthene	23.091	252	12884634	150.213	ng/ul	97
91) Benzo(k)fluoranthene	23.138	252	4740578	54.693	ng/ul	96
93) Benzo(a)pyrene	23.827	252	5831818	72.476	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.074	276	4820173	48.330	ng/ul	98
95) Dibenzo(a,h)anthracene	27.091	278	1688564	20.894	ng/ul	94
96) Benzo(g,h,i)perylene	28.015	276	519119	6.846	ng/ul	97

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

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

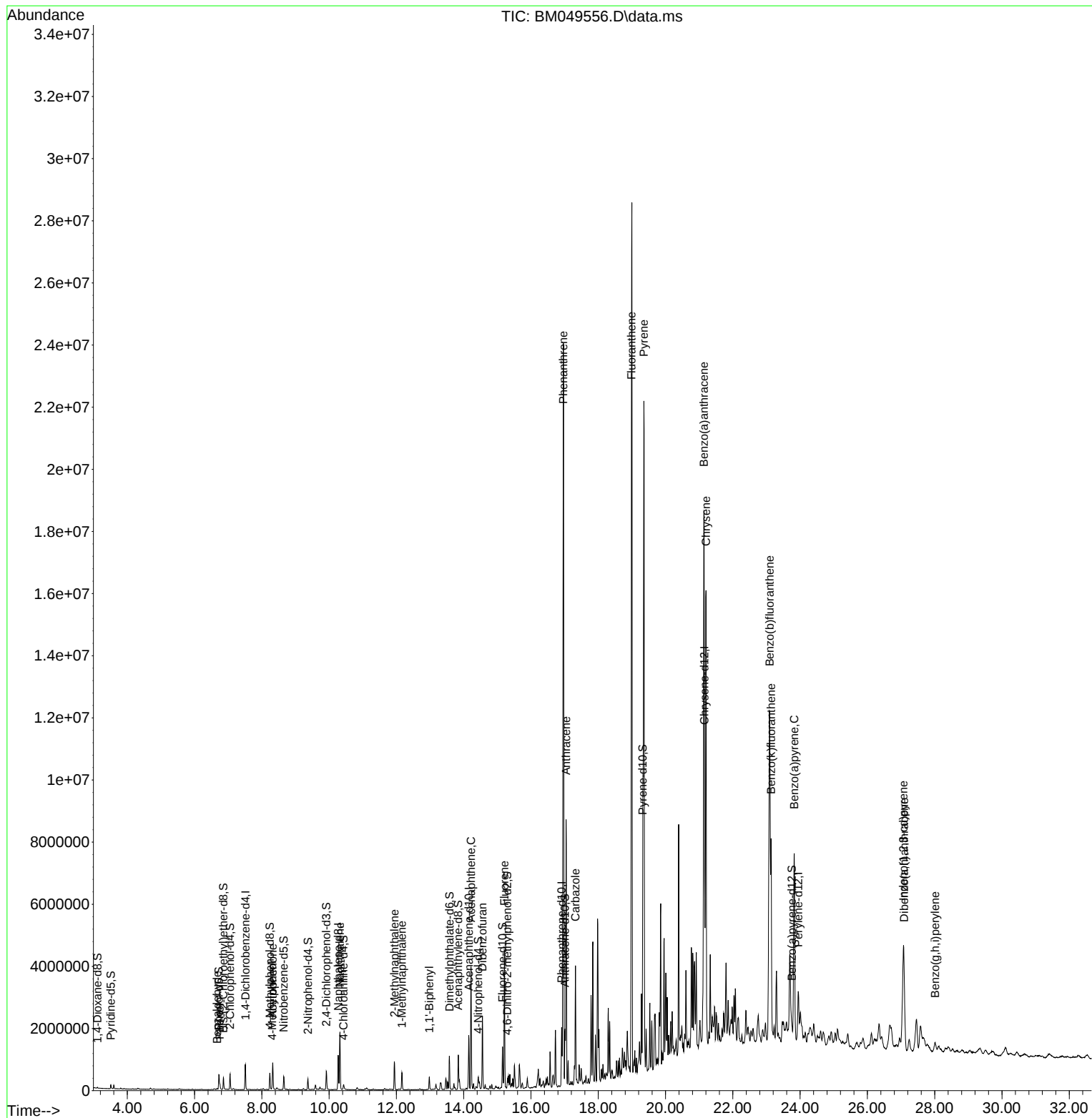
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
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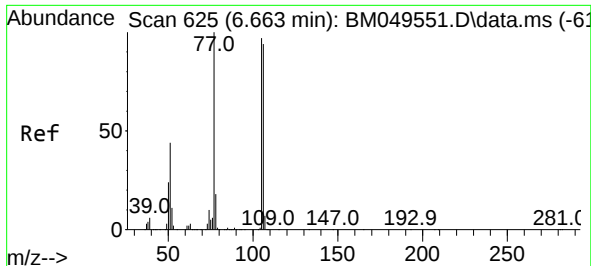
Instrument :
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Quant Time: Feb 03 08:05:40 2025
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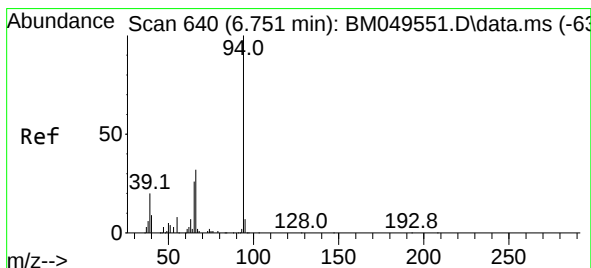
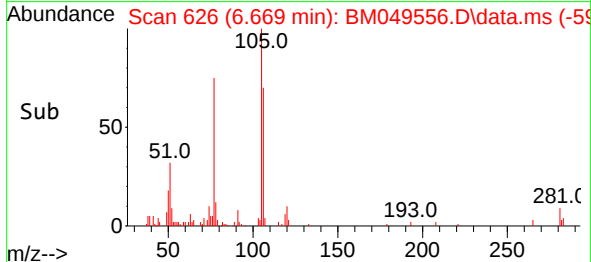
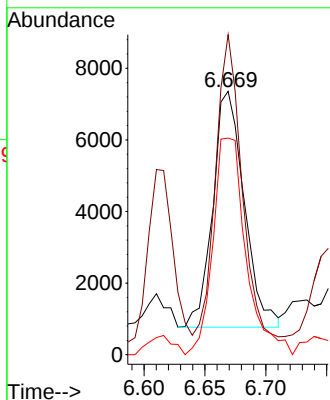
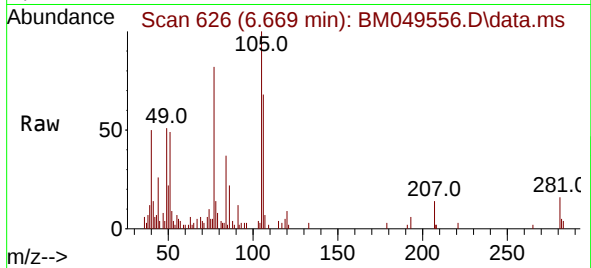
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Benzaldehyde
Concen: 1.165 ng/ul
RT: 6.669 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

Instrument :
BNA_M
ClientSampleId :
A44S4

Tgt Ion: 77 Resp: 1177
Ion Ratio Lower Upper
77 100
105 121.5 74.2 111.4
106 82.3 72.7 109.1

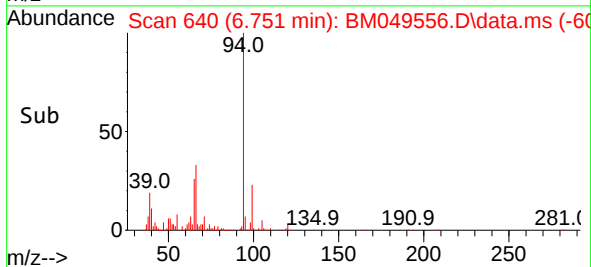
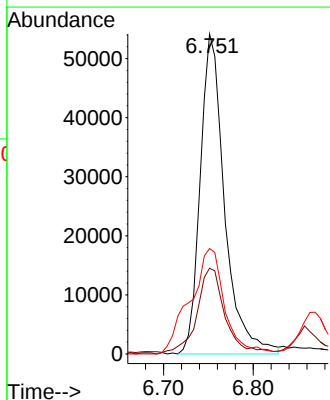
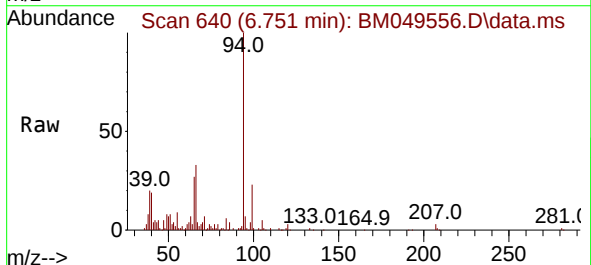
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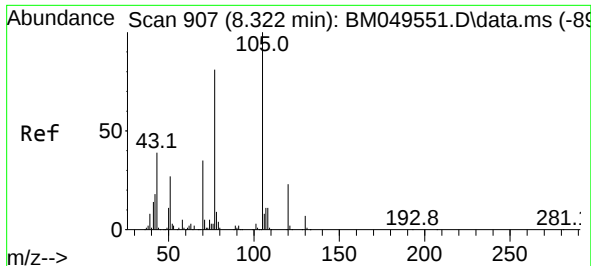
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#8
Phenol
Concen: 5.284 ng/ul
RT: 6.751 min Scan# 640
Delta R.T. 0.017 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

Tgt Ion: 94 Resp: 102062
Ion Ratio Lower Upper
94 100
65 26.8 23.4 35.0
66 32.9 27.8 41.8





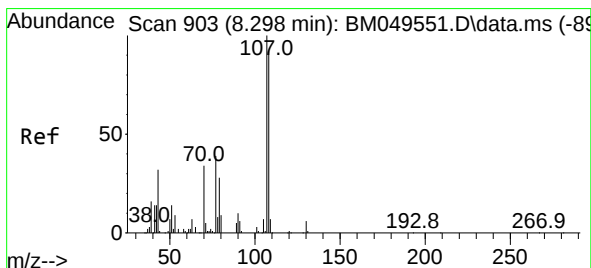
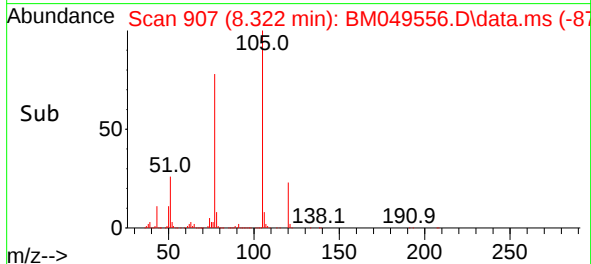
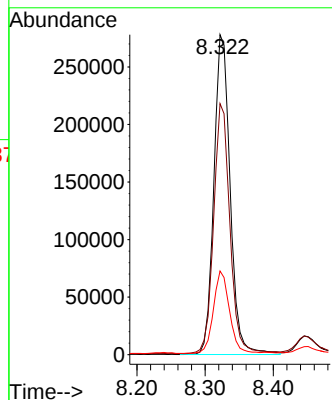
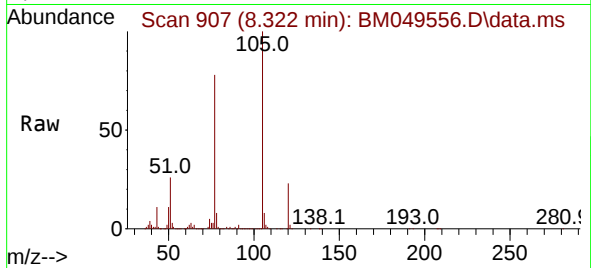
#16
Acetophenone
Concen: 20.572 ng/ul
RT: 8.322 min Scan# 907
Delta R.T. -0.006 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

Instrument :
BNA_M
ClientSampleId :
A44S4

Tgt Ion:105 Resp: 461264
Ion Ratio Lower Upper
105 100
77 78.5 64.6 97.0
51 26.2 23.3 34.9

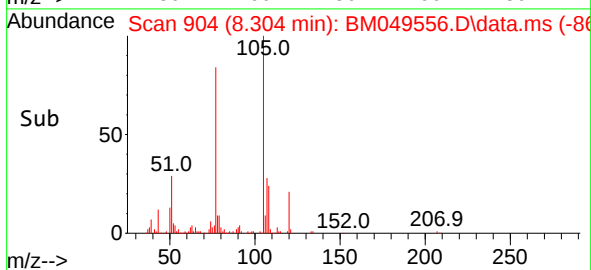
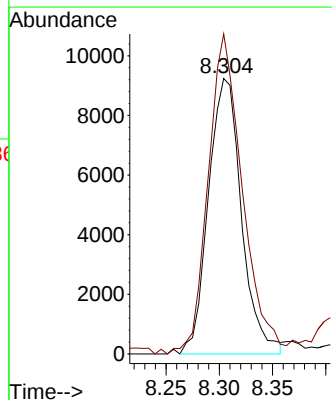
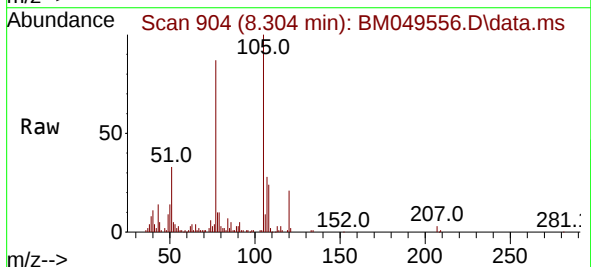
Manual Integrations
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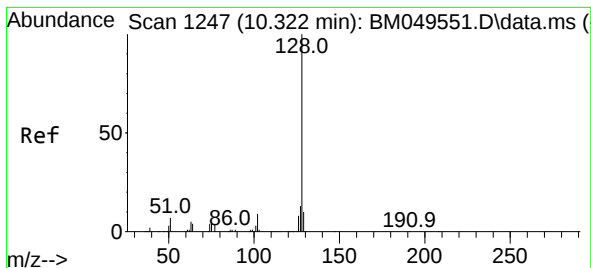
Reviewed By :Jagrut Upadhyay 02/03/2025
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#18
4-Methylphenol
Concen: 1.365 ng/ul
RT: 8.304 min Scan# 904
Delta R.T. 0.017 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

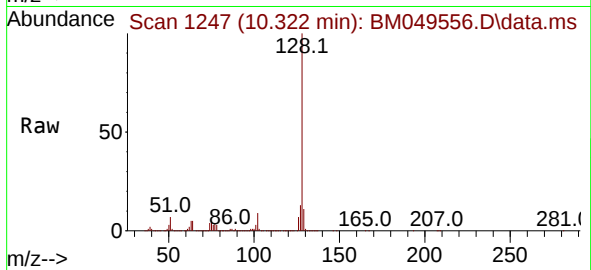
Tgt Ion:108 Resp: 19938
Ion Ratio Lower Upper
108 100
107 116.1 90.0 135.0





#30
Naphthalene
Concen: 32.116 ng/ul
RT: 10.322 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

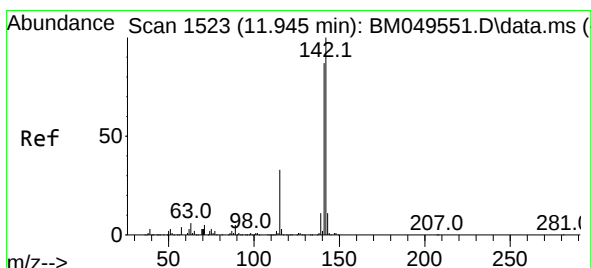
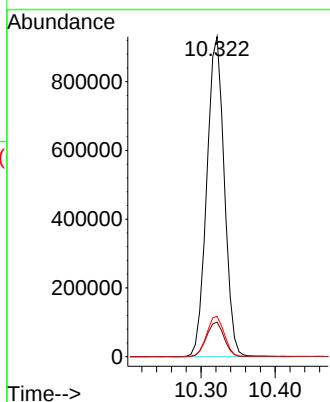
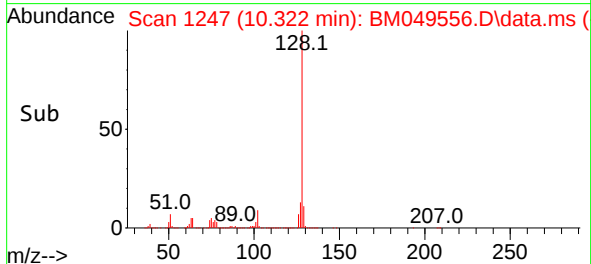
Instrument :
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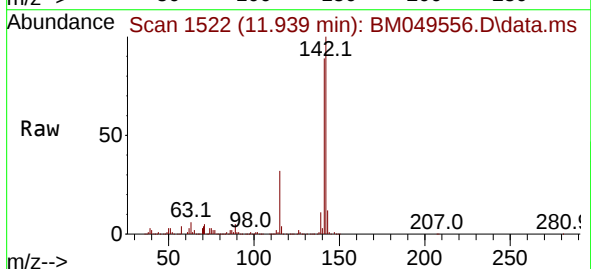
Tgt Ion:128 Resp: 152299
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.6 10.6 15.8

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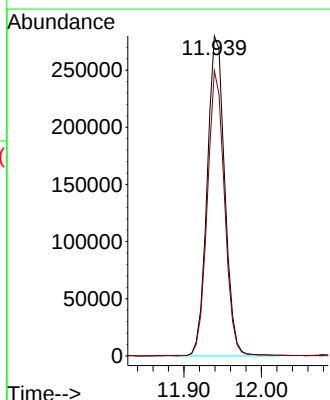
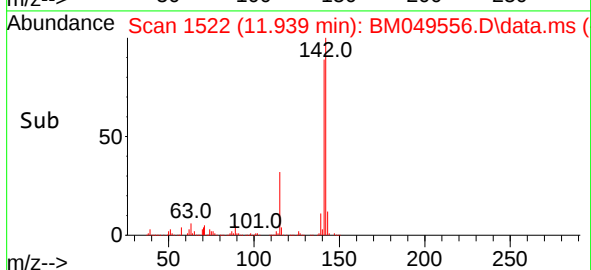
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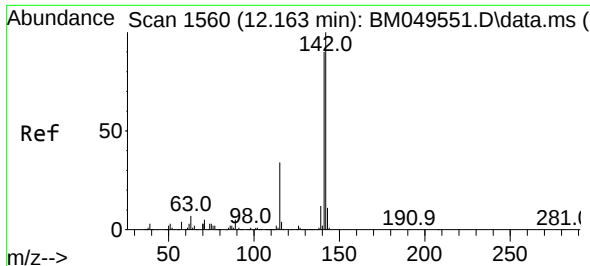


#36
2-Methylnaphthalene
Concen: 13.633 ng/ul
RT: 11.939 min Scan# 1522
Delta R.T. -0.006 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59



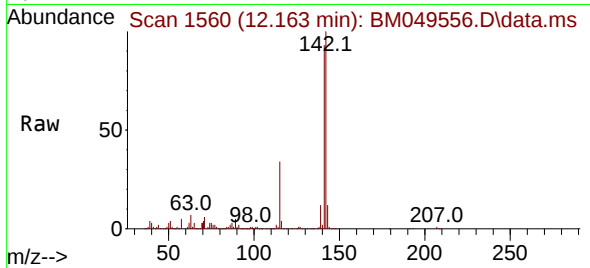
Tgt Ion:142 Resp: 440920
Ion Ratio Lower Upper
142 100
141 89.2 70.4 105.6





#37
1-Methylnaphthalene
Concen: 8.252 ng/ul
RT: 12.163 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

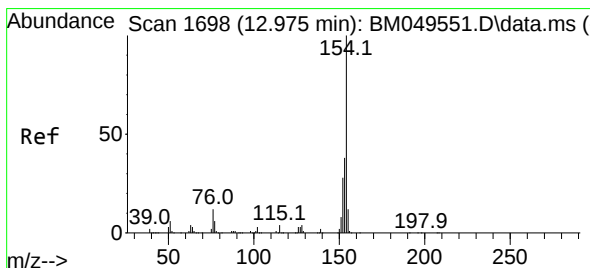
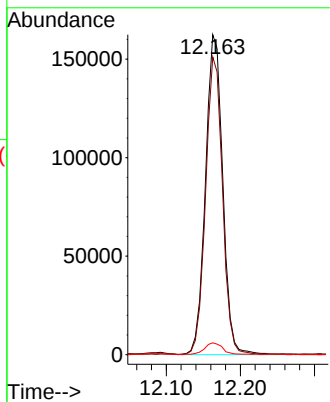
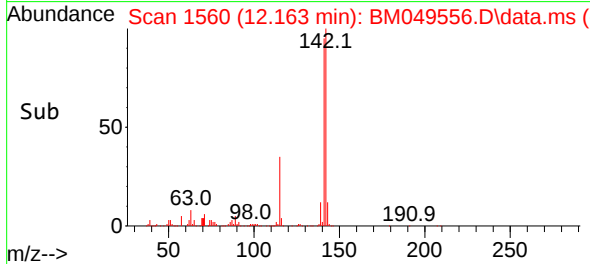
Instrument :
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Tgt Ion:142 Resp: 263115
Ion Ratio Lower Upper
142 100
141 93.1 72.8 109.2
116 3.7 3.0 4.6

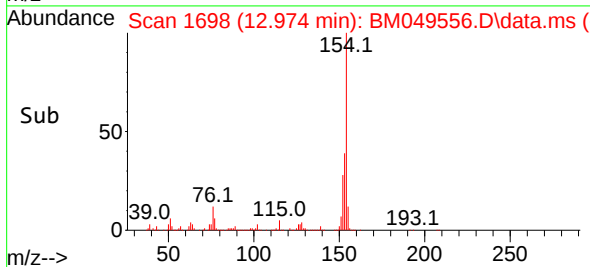
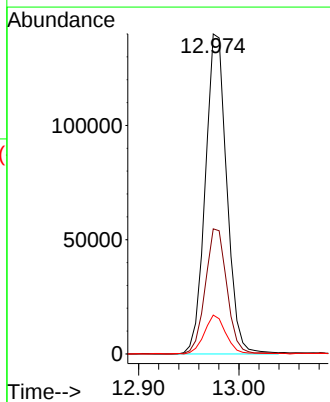
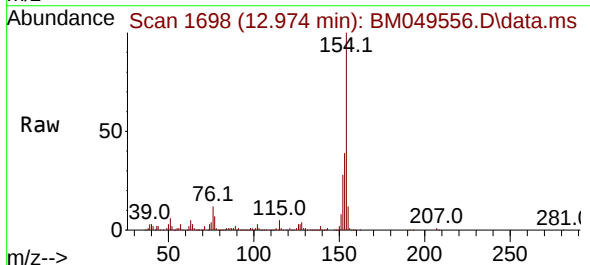
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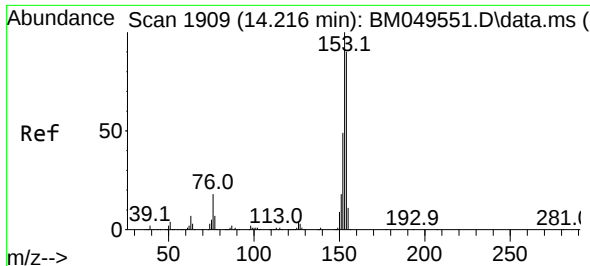
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#43
1,1'-Biphenyl
Concen: 4.521 ng/ul
RT: 12.974 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BM049556.D
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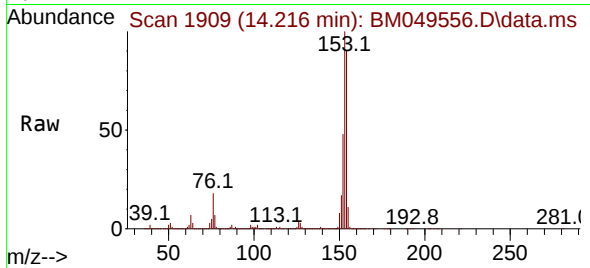
Tgt Ion:154 Resp: 208797
Ion Ratio Lower Upper
154 100
153 39.1 31.7 47.5
76 12.2 9.8 14.8





#52
Acenaphthene
Concen: 42.154 ng/u1
RT: 14.216 min Scan# 1909
Delta R.T. -0.000 min
Lab File: BM049556.D
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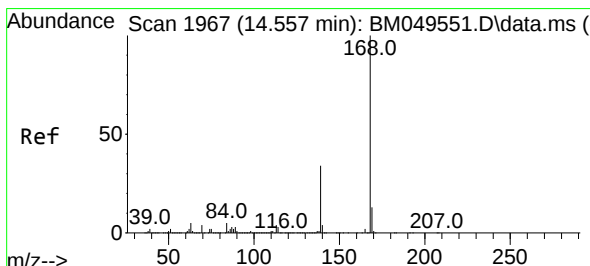
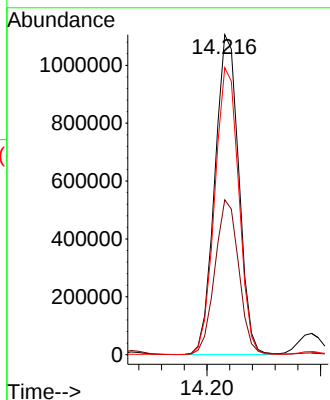
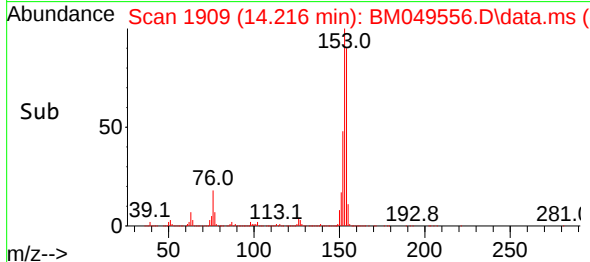
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Tgt Ion:153 Resp: 1621320
Ion Ratio Lower Upper
153 100
152 48.4 39.0 58.4
154 89.7 71.5 107.3

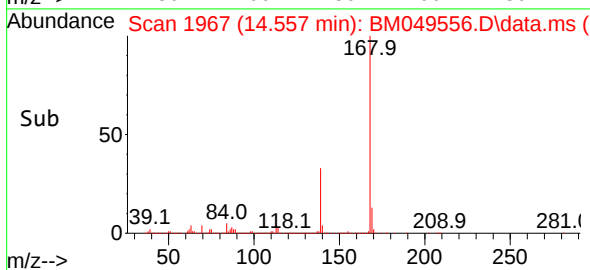
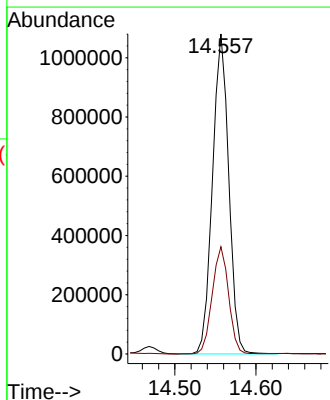
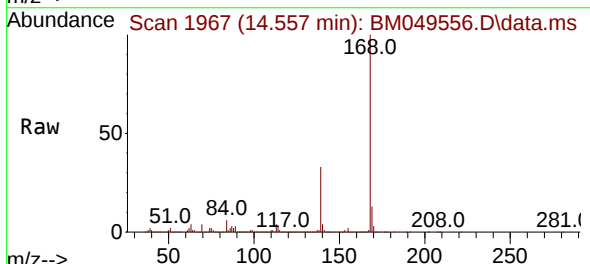
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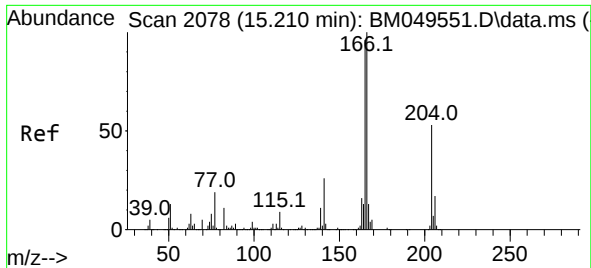
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#56
Dibenzofuran
Concen: 27.376 ng/u1
RT: 14.557 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

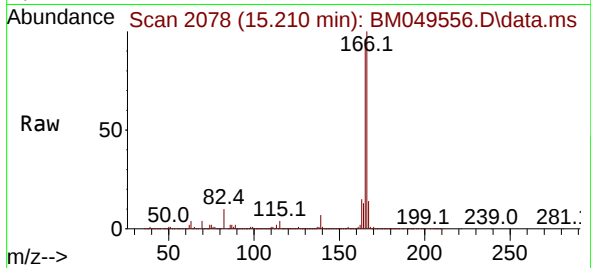
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Ion Ratio Lower Upper
168 100
139 33.5 27.4 41.0





#61
Fluorene
Concen: 44.302 ng/u1
RT: 15.210 min Scan# 2078
Delta R.T. -0.000 min
Lab File: BM049556.D
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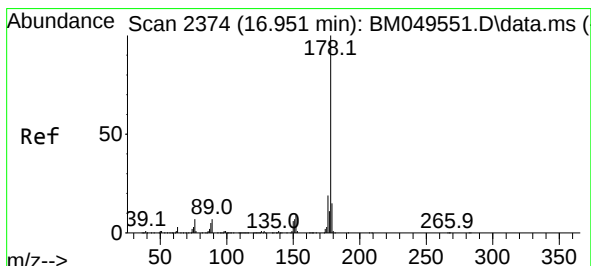
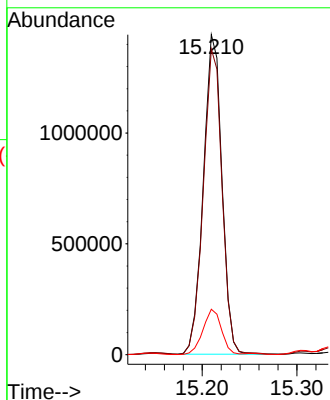
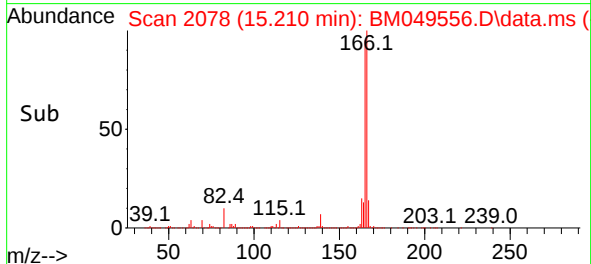
Instrument :
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Tgt Ion:166 Resp: 1963208
Ion Ratio Lower Upper
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165 95.5 78.5 117.7
167 14.2 10.7 16.1

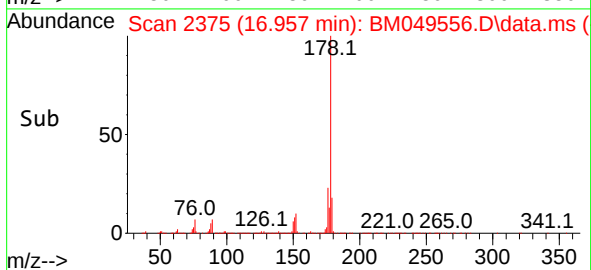
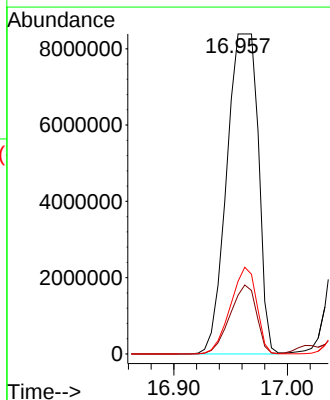
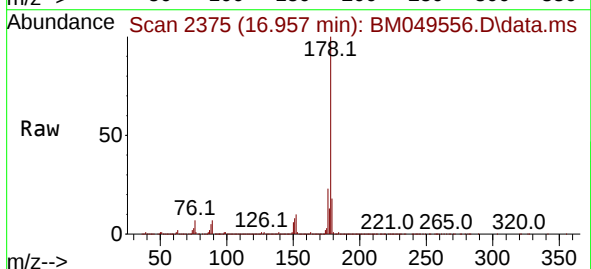
Manual Integrations
APPROVED

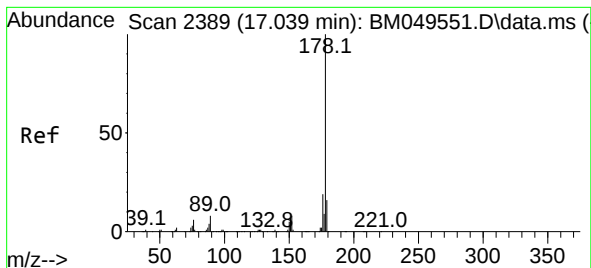
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Phenanthrene
Concen: 226.962 ng/u1
RT: 16.957 min Scan# 2375
Delta R.T. 0.012 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

Tgt Ion:178 Resp:16149268
Ion Ratio Lower Upper
178 100
179 18.3 12.4 18.6
176 22.7 15.6 23.4





#74

Anthracene

Concen: 74.811 ng/ul

RT: 17.045 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049556.D

Acq: 31 Jan 2025 13:59

Instrument :

BNA_M

ClientSampleId :

A44S4

Tgt Ion:178 Resp: 5361690

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

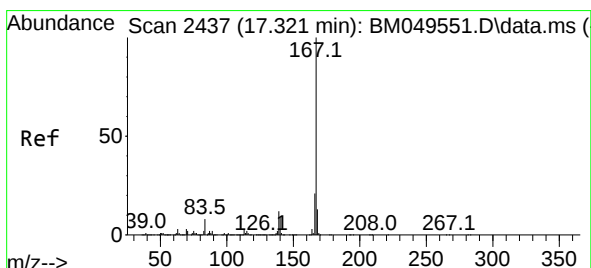
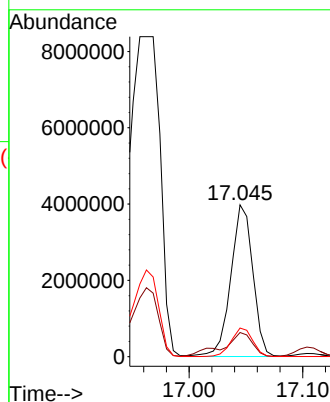
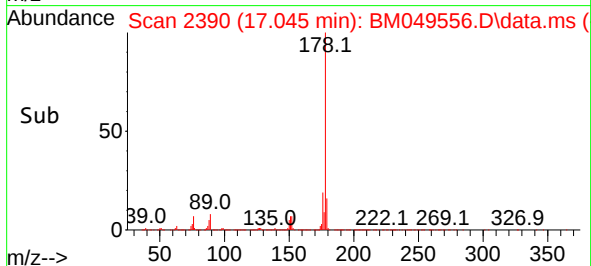
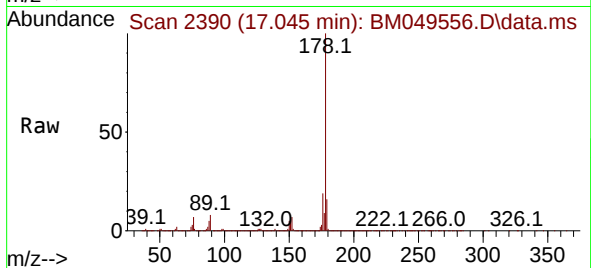
176 18.9 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#77

Carbazole

Concen: 37.477 ng/ul

RT: 17.321 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BM049556.D

Acq: 31 Jan 2025 13:59

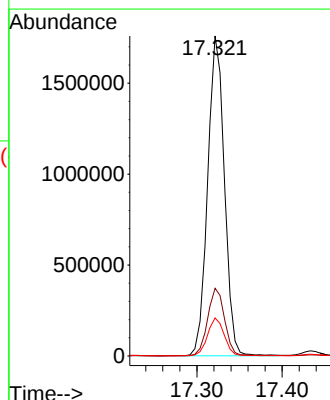
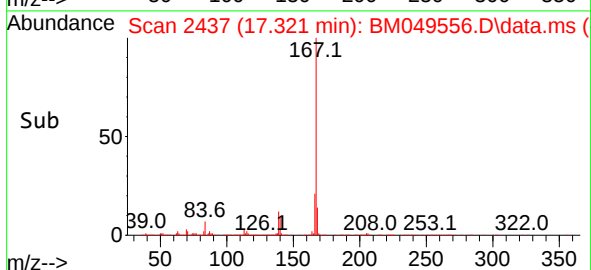
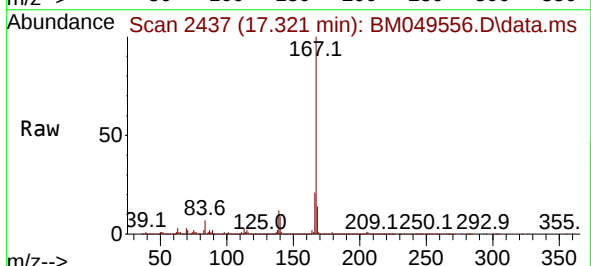
Tgt Ion:167 Resp: 2400606

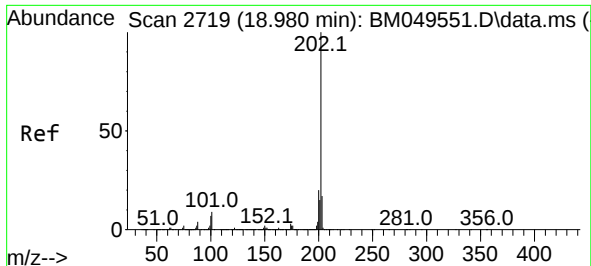
Ion Ratio Lower Upper

167 100

166 21.1 17.2 25.8

139 11.9 9.3 13.9





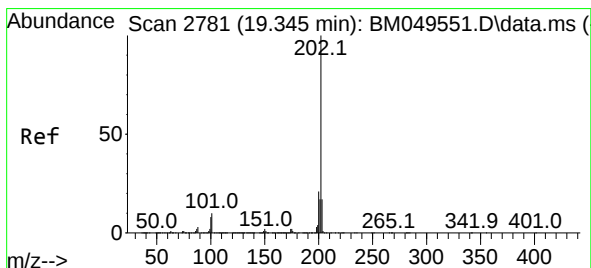
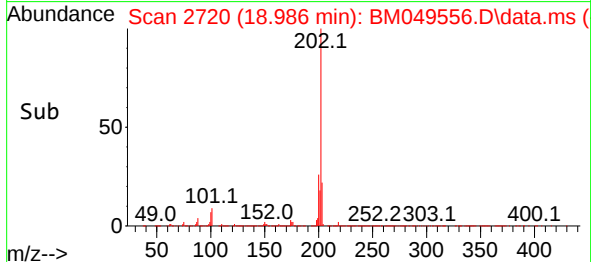
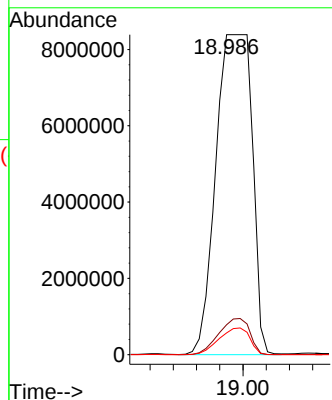
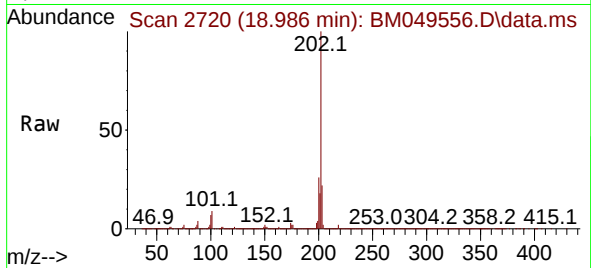
#80
Fluoranthene
Concen: 232.824 ng/ul m
RT: 18.986 min Scan# 2719
Delta R.T. 0.012 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

Instrument :
BNA_M
ClientSampleId :
A44S4

Tgt Ion:202 Resp:1826669
Ion Ratio Lower Upper
202 100
101 9.3 6.9 10.3
100 6.8 5.1 7.7

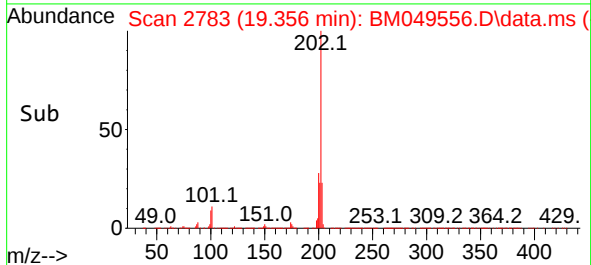
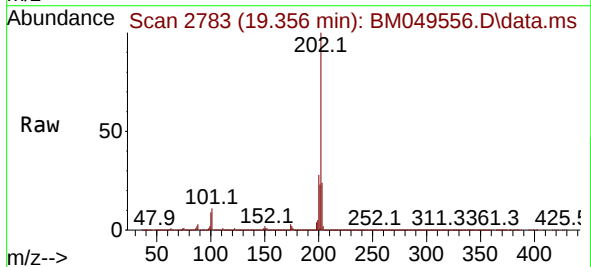
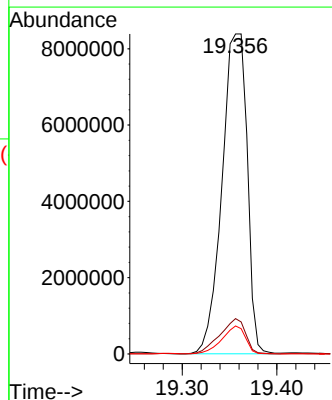
Manual Integrations
APPROVED

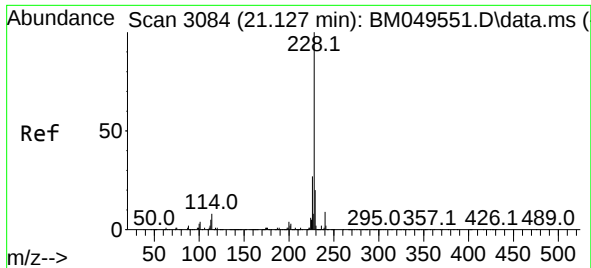
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#82
Pyrene
Concen: 183.552 ng/ul
RT: 19.356 min Scan# 2783
Delta R.T. 0.017 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

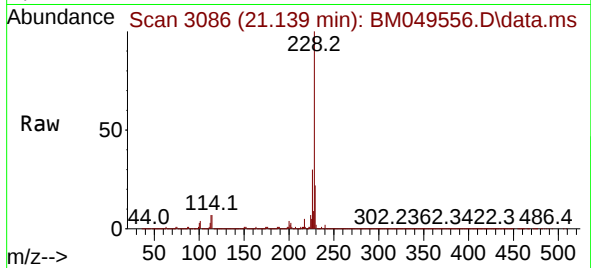
Tgt Ion:202 Resp:15495064
Ion Ratio Lower Upper
202 100
101 11.1 8.3 12.5
100 8.8 6.6 9.8





#85
Benzo(a)anthracene
Concen: 138.554 ng/uI
RT: 21.139 min Scan# 3086
Delta R.T. 0.023 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

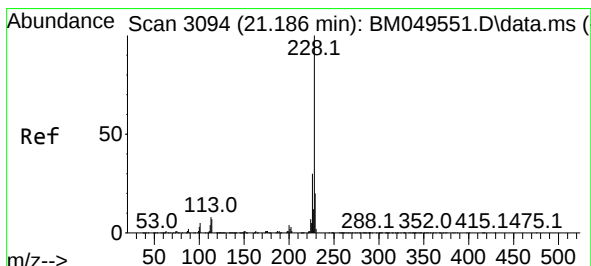
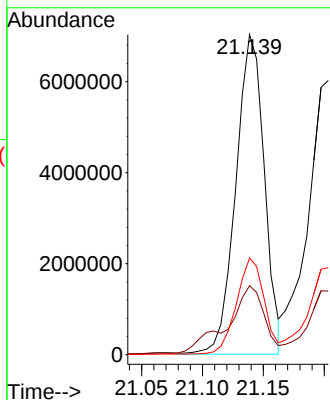
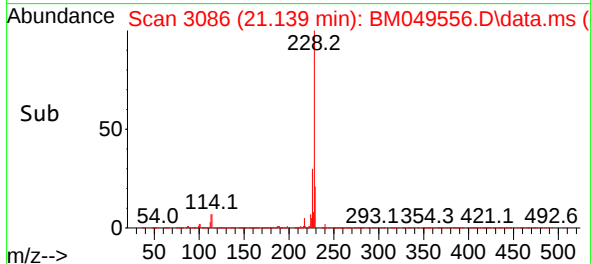
Instrument :
BNA_M
ClientSampleId :
A44S4



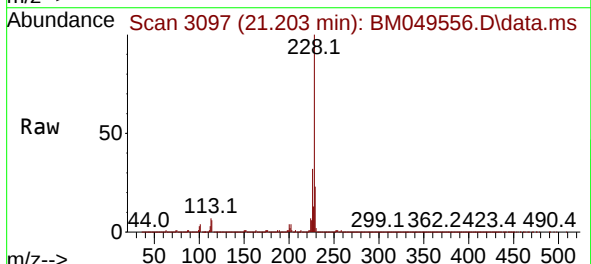
Tgt Ion:228 Resp:1143666
Ion Ratio Lower Upper
228 100
229 21.6 15.7 23.5
226 30.2 22.1 33.1

Manual Integrations
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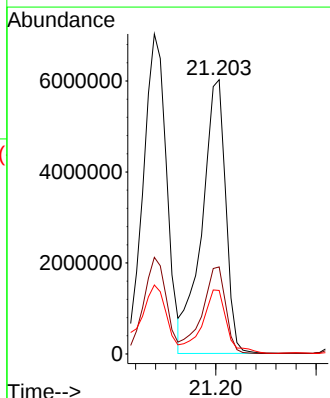
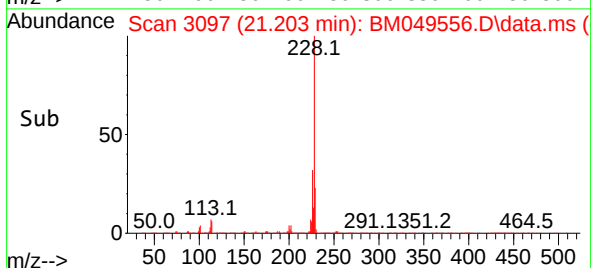
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

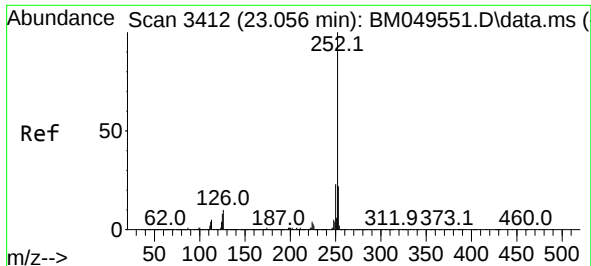


#87
Chrysene
Concen: 128.894 ng/uI
RT: 21.203 min Scan# 3097
Delta R.T. 0.029 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59



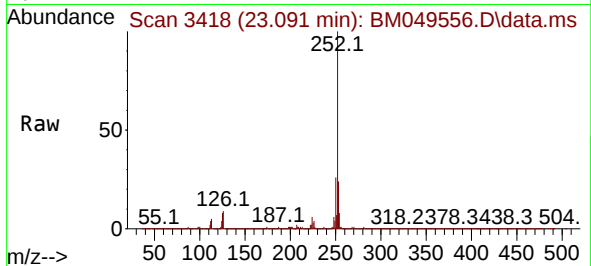
Tgt Ion:228 Resp: 9880456
Ion Ratio Lower Upper
228 100
226 31.8 24.6 37.0
229 23.2 15.9 23.9





#90
Benzo(b)fluoranthene
Concen: 150.213 ng/ul
RT: 23.091 min Scan# 3412
Delta R.T. 0.047 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

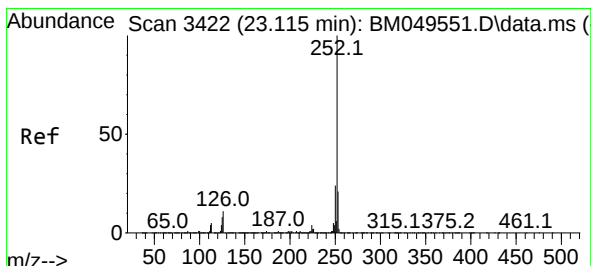
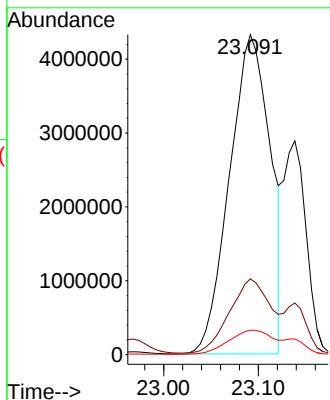
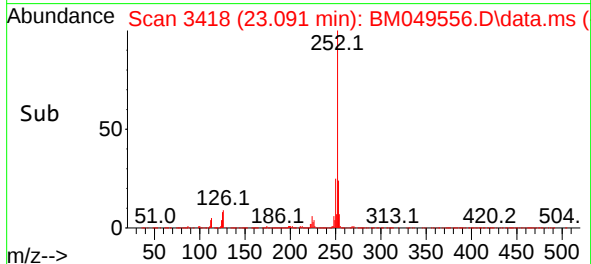
Instrument :
BNA_M
ClientSampleId :
A44S4



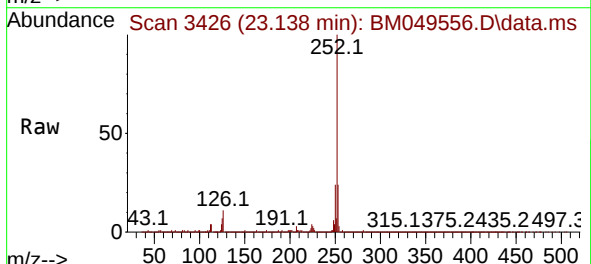
Tgt Ion:252 Resp:12884634
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 7.7 6.3 9.5

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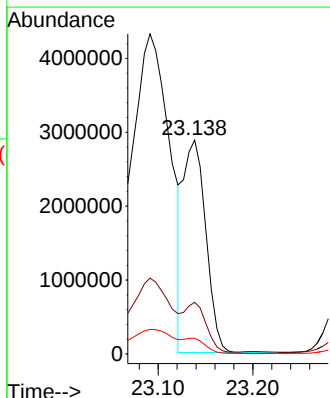
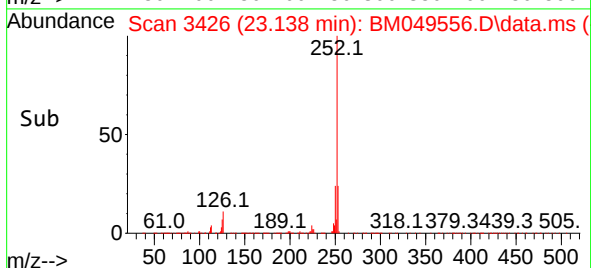
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

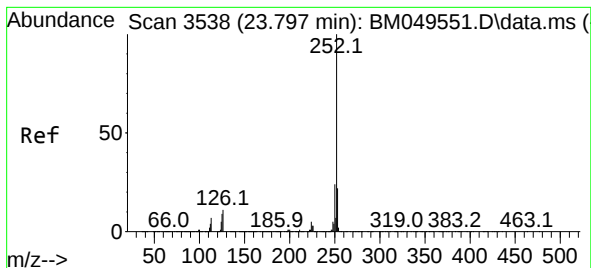


#91
Benzo(k)fluoranthene
Concen: 54.693 ng/ul
RT: 23.138 min Scan# 3426
Delta R.T. 0.041 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59



Tgt Ion:252 Resp: 4740578
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 7.4 6.5 9.7





#93

Benzo(a)pyrene

Concen: 72.476 ng/ul

RT: 23.827 min Scan# 3

Delta R.T. 0.047 min

Lab File: BM049556.D

Acq: 31 Jan 2025 13:59

Instrument :

BNA_M

ClientSampleId :

A44S4

Tgt Ion:252 Resp: 5831818

Ion Ratio Lower Upper

252 100

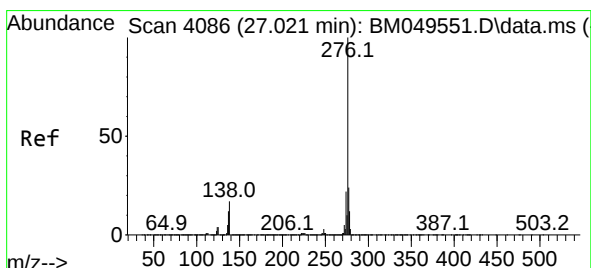
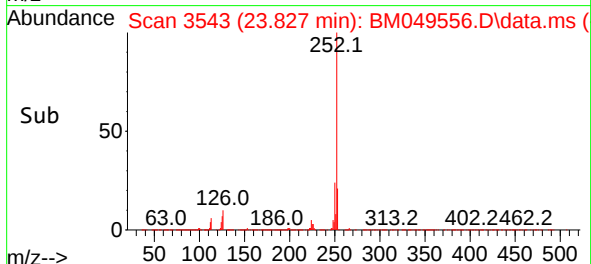
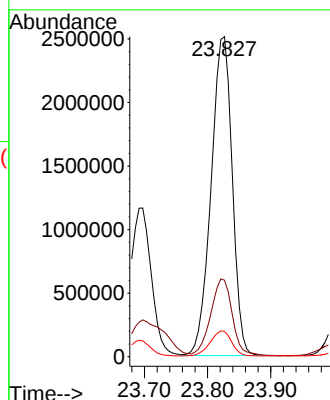
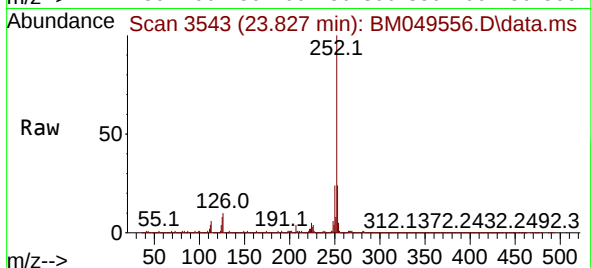
253 23.9 17.3 25.9

125 7.9 7.0 10.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#94

Indeno(1,2,3-cd)pyrene

Concen: 48.330 ng/ul

RT: 27.074 min Scan# 4095

Delta R.T. 0.082 min

Lab File: BM049556.D

Acq: 31 Jan 2025 13:59

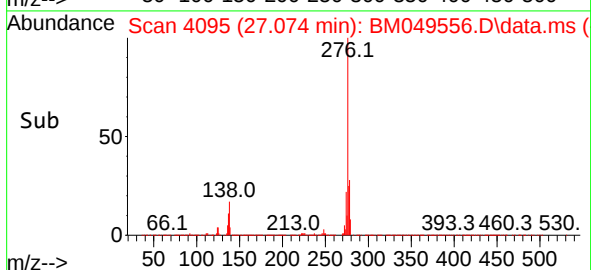
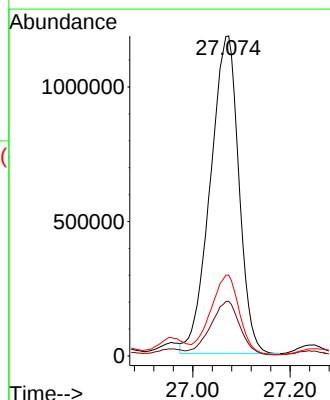
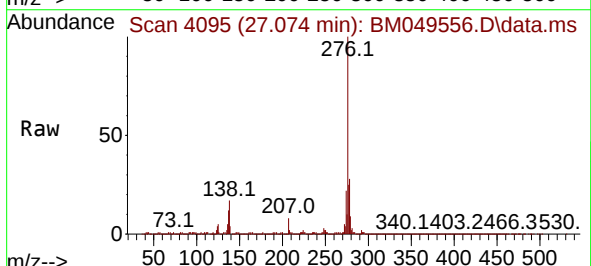
Tgt Ion:276 Resp: 4820173

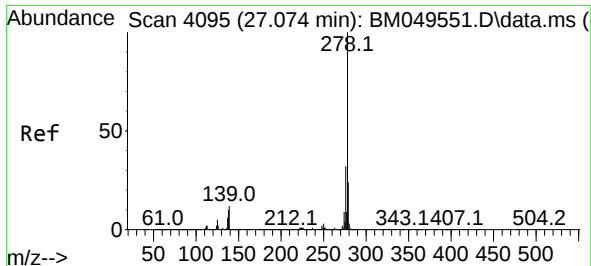
Ion Ratio Lower Upper

276 100

138 17.1 13.8 20.6

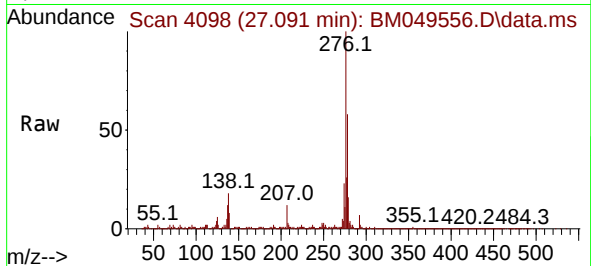
277 25.3 19.0 28.6





#95
Dibenzo(a,h)anthracene
Concen: 20.894 ng/ul
RT: 27.091 min Scan# 4095
Delta R.T. 0.041 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59

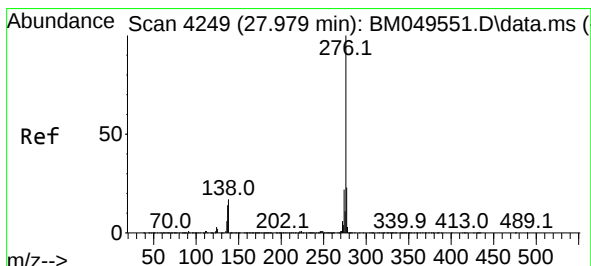
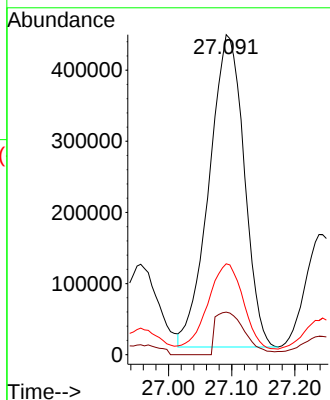
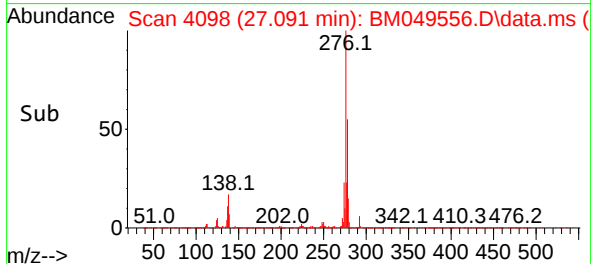
Instrument :
BNA_M
ClientSampleId :
A44S4



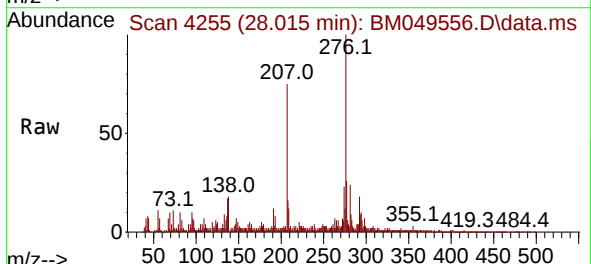
Tgt Ion:278 Resp: 168856
Ion Ratio Lower Upper
278 100
139 13.3 10.5 15.7
279 28.4 19.3 28.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#96
Benzo(g,h,i)perylene
Concen: 6.846 ng/ul
RT: 28.015 min Scan# 4255
Delta R.T. 0.064 min
Lab File: BM049556.D
Acq: 31 Jan 2025 13:59



Tgt Ion:276 Resp: 519119
Ion Ratio Lower Upper
276 100
138 18.2 14.1 21.1
277 26.2 19.1 28.7

