

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049527.D
 Acq On : 30 Jan 2025 15:02
 Operator : RC/JU
 Sample : Q1189-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44R4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 09:48:37 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	248471	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	918039	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	604292	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.904	188	1160789	20.000	ng/u1	0.00
79) Chrysene-d12	21.180	240	863823	20.000	ng/u1	0.05
88) Perylene-d12	23.997	264	1251405	20.000	ng/u1	# 0.08
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	13839	2.064	ng/uL	0.00
4) Pyridine-d5	3.522	84	77562	3.936	ng/u1	0.01
7) Phenol-d5	6.728	99	293153	14.539	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.857	67	179988	13.055	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	233892	14.991	ng/u1	0.00
15) 4-Methylphenol-d8	8.239	113	217975	14.755	ng/u1	0.01
21) Nitrobenzene-d5	8.651	128	101841	14.500	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	113184	14.774	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	232923	14.899	ng/u1	0.01
31) 4-Chloroaniline-d4	10.433	131	30194	1.506	ng/u1	0.01
46) Dimethylphthalate-d6	13.569	166	678231	15.307	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	791961	15.213	ng/u1	0.00
54) 4-Nitrophenol-d4	14.427	143	85206m	11.723	ng/u1	0.05
60) Fluorene-d10	15.151	176	622991	15.989	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	56921	7.782	ng/u1	0.00
73) Anthracene-d10	17.004	188	901984	15.560	ng/u1	0.00
81) Pyrene-d10	19.327	212	827147	16.380	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.809	264	657072	9.845	ng/u1	0.08
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.669	77	75919	6.856	ng/u1	94
8) Phenol	6.757	94	96177	4.544	ng/u1	99
16) Acetophenone	8.322	105	390414	15.893	ng/u1	99
30) Naphthalene	10.316	128	205058	4.195	ng/u1#	96
36) 2-Methylnaphthalene	11.939	142	142611	4.278	ng/u1	98
37) 1-Methylnaphthalene	12.163	142	122436	3.726	ng/u1#	99
43) 1,1'-Biphenyl	12.974	154	49856	1.087	ng/u1	95
50) Acenaphthylene	13.869	152	8276272	154.745	ng/u1	99
52) Acenaphthene	14.210	153	500305	13.102	ng/u1	98
56) Dibenzofuran	14.551	168	293162	5.385	ng/u1	95
61) Fluorene	15.210	166	457048	10.389	ng/u1	94
72) Phenanthrene	16.951	178	6033599	92.339	ng/u1	99
74) Anthracene	17.045	178	10058659	152.830	ng/u1	98
77) Carbazole	17.321	167	1008861	17.151	ng/u1	95
80) Fluoranthene	18.986	202	26223652m	454.666	ng/u1	
82) Pyrene	19.356	202	27616859m	445.011	ng/u1	
85) Benzo(a)anthracene	21.145	228	27298516m	449.874	ng/u1	
87) Chrysene	21.209	228	23963530m	425.243	ng/u1	
90) Benzo(b)fluoranthene	23.133	252	45398800m	559.689	ng/u1	
91) Benzo(k)fluoranthene	23.174	252	23338422m	284.736	ng/u1	
93) Benzo(a)pyrene	23.897	252	25250890m	331.847	ng/u1	
94) Indeno(1,2,3-cd)pyrene	27.232	276	25750926m	273.033	ng/u1	
95) Dibenzo(a,h)anthracene	27.250	278	10617495	138.929	ng/u1#	92
96) Benzo(g,h,i)perylene	28.132	276	3521328m	49.105	ng/u1	

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

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

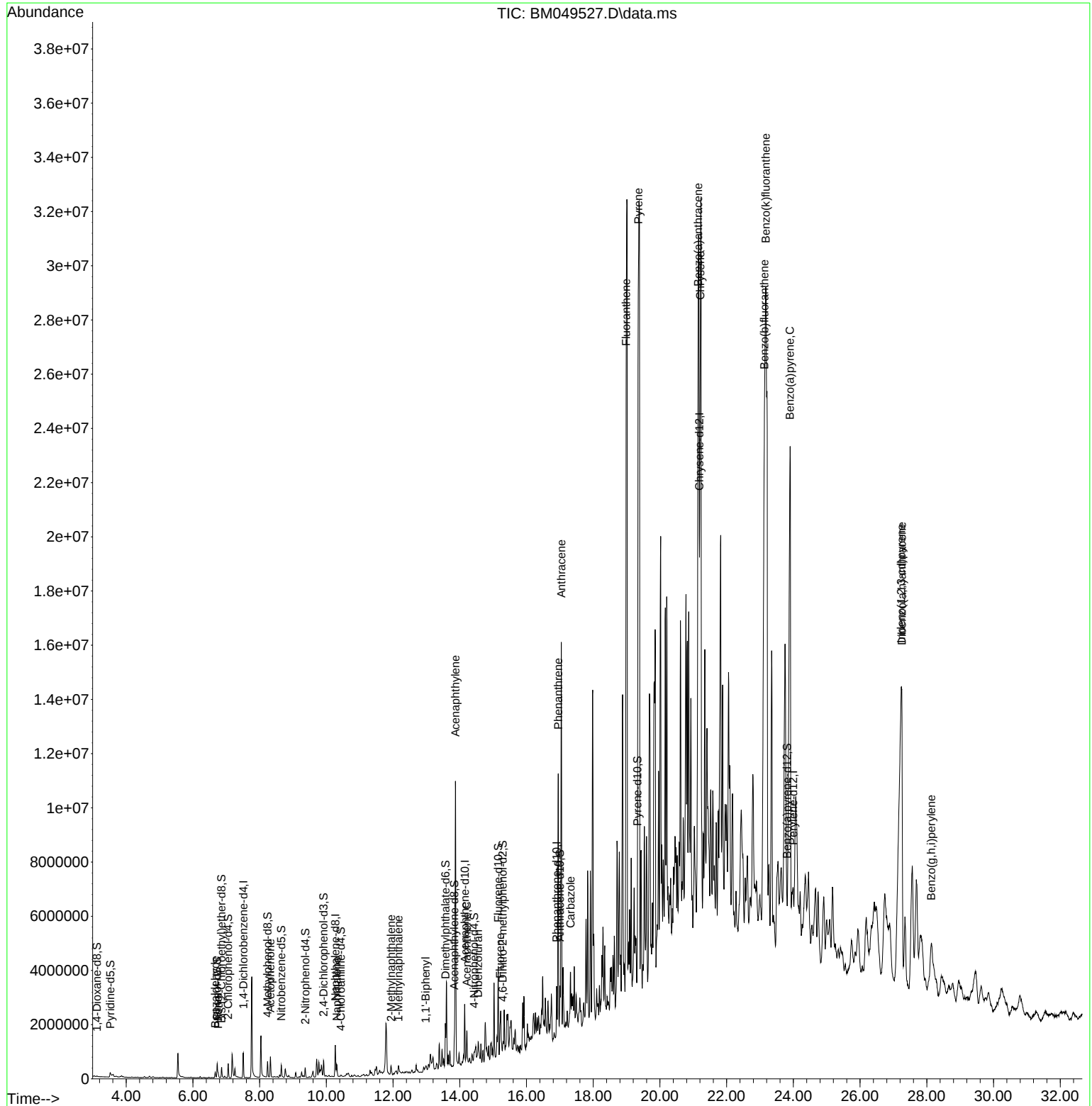
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
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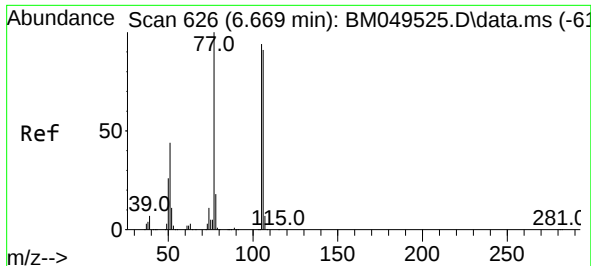
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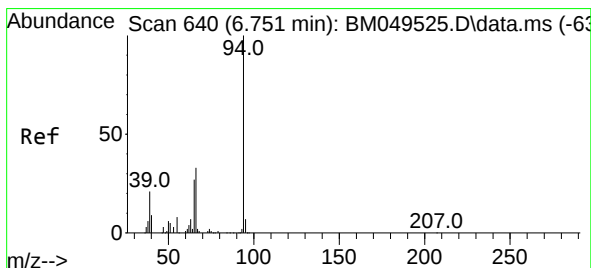
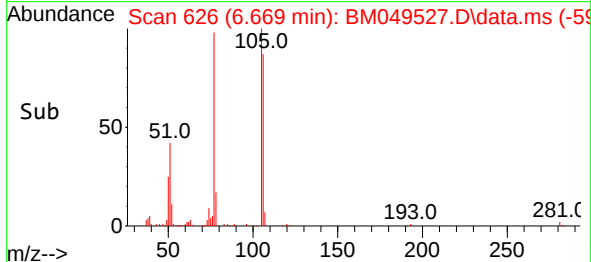
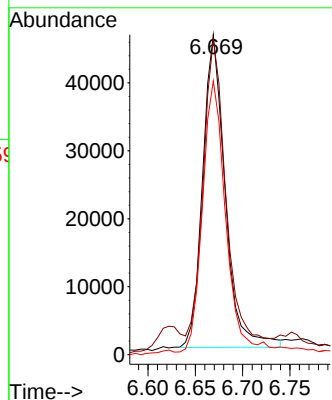
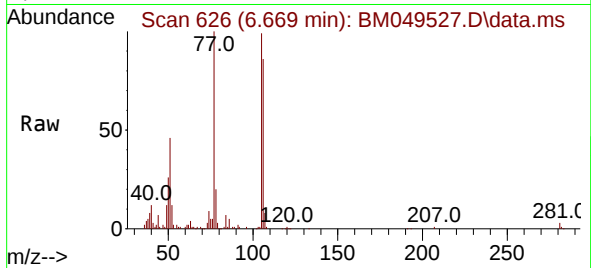
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Benzaldehyde
Concen: 6.856 ng/ul
RT: 6.669 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

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ClientSampleId :
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Tgt Ion: 77 Resp: 75919
Ion Ratio Lower Upper
77 100
105 98.7 74.2 111.4
106 85.5 72.7 109.1

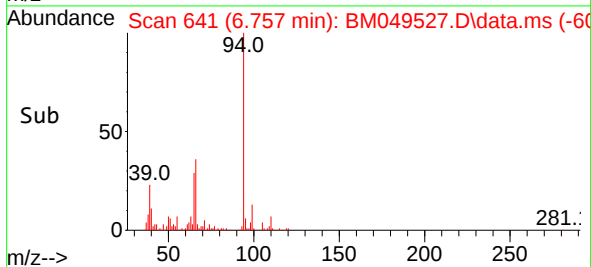
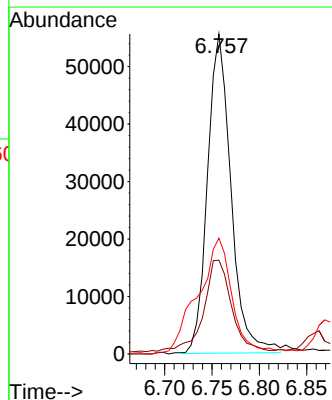
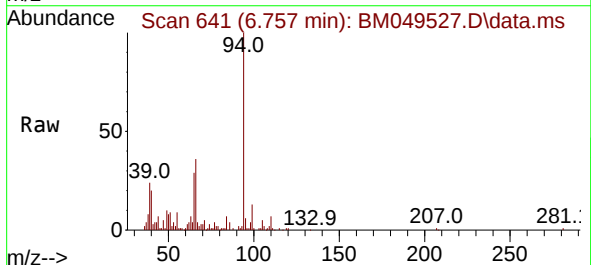
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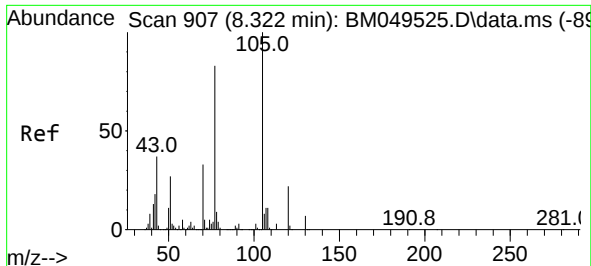
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#8
Phenol
Concen: 4.544 ng/ul
RT: 6.757 min Scan# 641
Delta R.T. 0.023 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

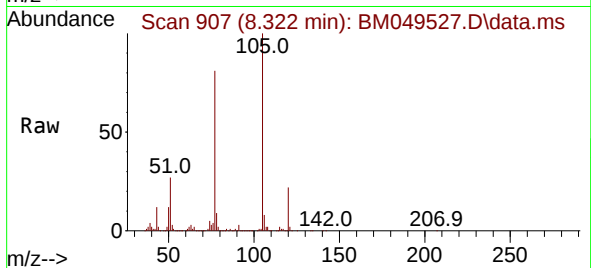
Tgt Ion: 94 Resp: 96177
Ion Ratio Lower Upper
94 100
65 29.3 23.4 35.0
66 36.2 27.8 41.8





#16
Acetophenone
Concen: 15.893 ng/ul
RT: 8.322 min Scan# 907
Delta R.T. -0.006 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

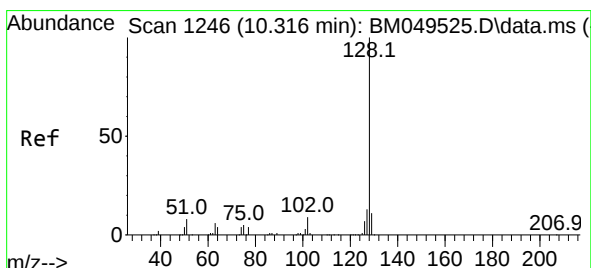
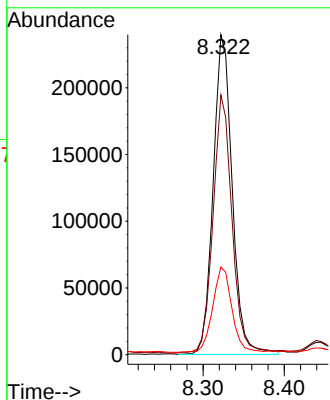
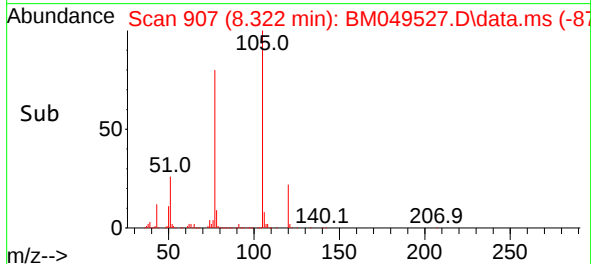
Instrument :
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ClientSampleId :
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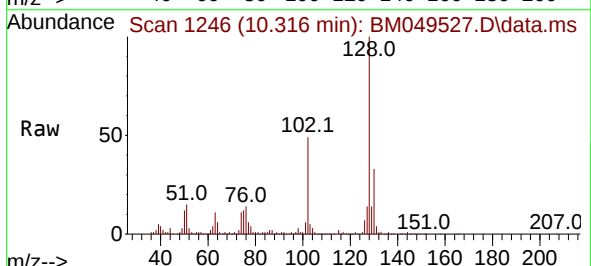
Tgt Ion:105 Resp: 390414
Ion Ratio Lower Upper
105 100
77 81.1 64.6 97.0
51 27.4 23.3 34.9

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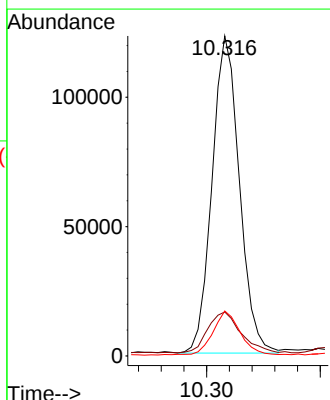
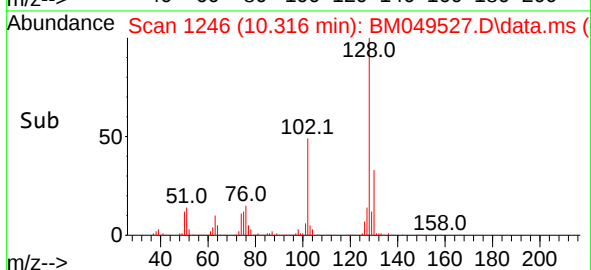
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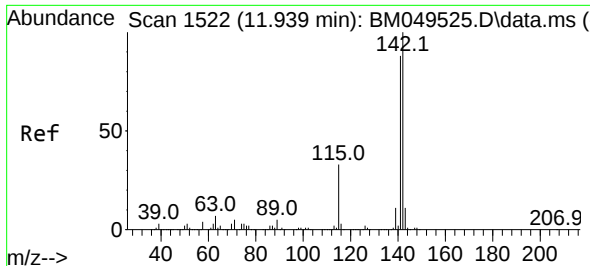


#30
Naphthalene
Concen: 4.195 ng/ul
RT: 10.316 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02



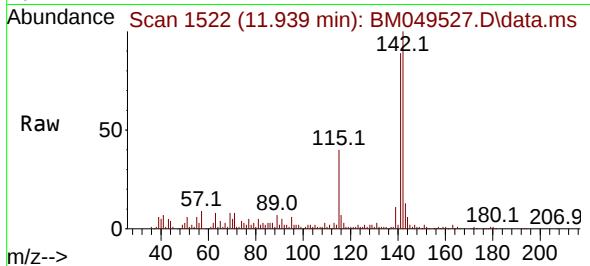
Tgt Ion:128 Resp: 205058
Ion Ratio Lower Upper
128 100
129 13.7 8.8 13.2#
127 14.0 10.6 15.8





#36
2-Methylnaphthalene
Concen: 4.278 ng/ul
RT: 11.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

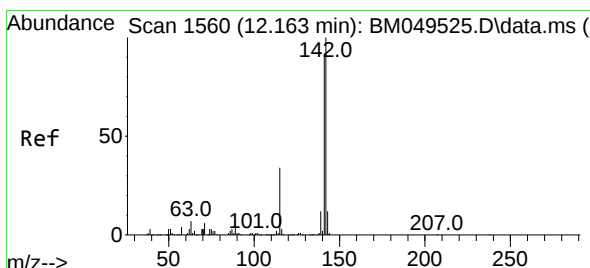
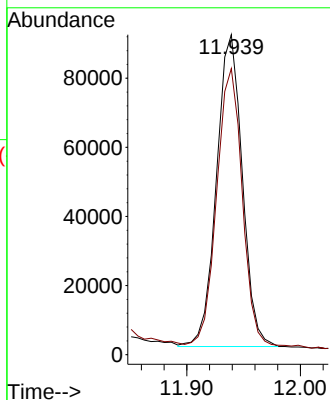
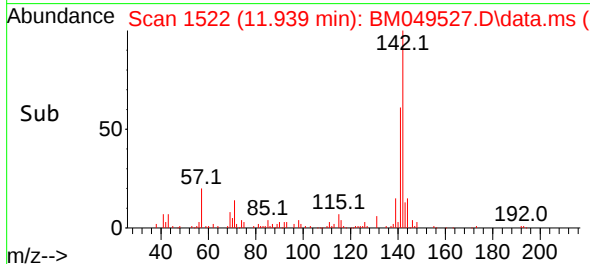
Instrument :
BNA_M
ClientSampleId :
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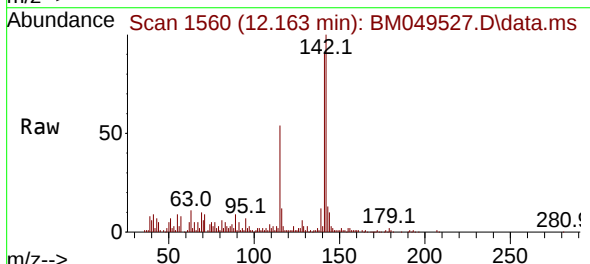
Tgt Ion:142 Resp: 14261
Ion Ratio Lower Upper
142 100
141 89.4 70.4 105.6

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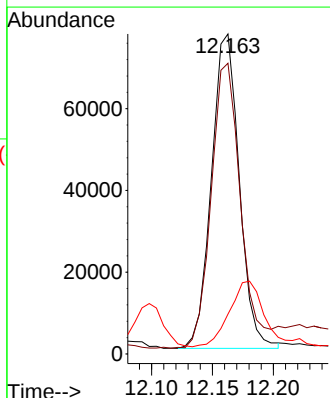
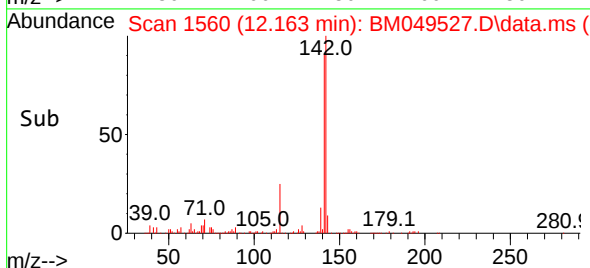
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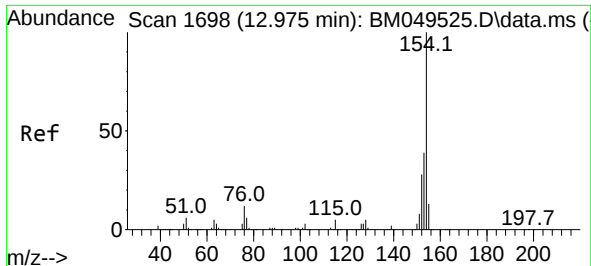


#37
1-Methylnaphthalene
Concen: 3.726 ng/ul
RT: 12.163 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02



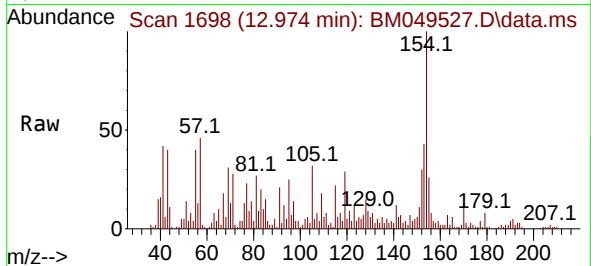
Tgt Ion:142 Resp: 122436
Ion Ratio Lower Upper
142 100
141 90.9 72.8 109.2
116 12.4 3.0 4.6#





#43
1,1'-Biphenyl
Concen: 1.087 ng/ul
RT: 12.974 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

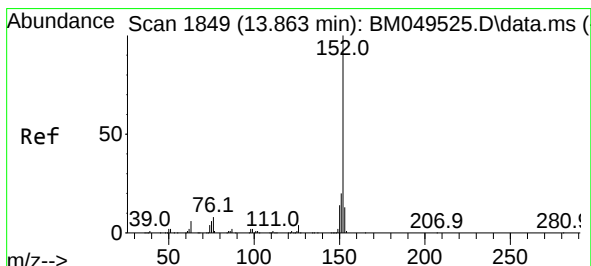
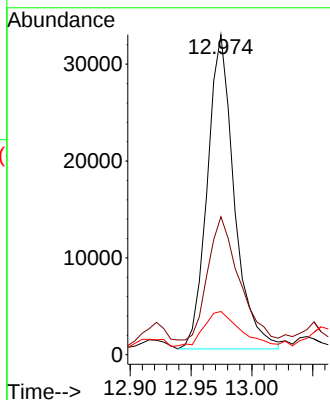
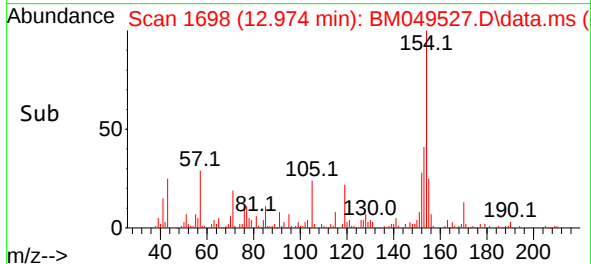
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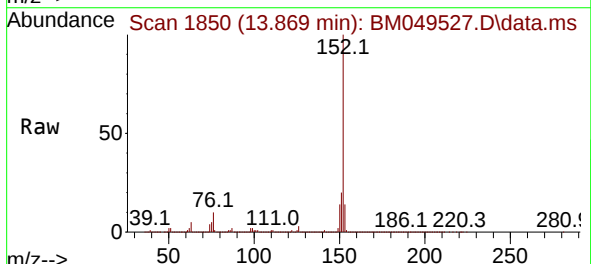
Tgt Ion:154 Resp: 49850
Ion Ratio Lower Upper
154 100
153 43.1 31.7 47.5
76 13.5 9.8 14.8

Manual Integrations
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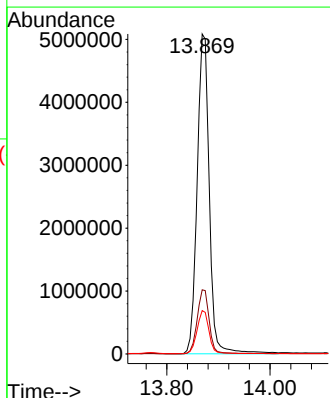
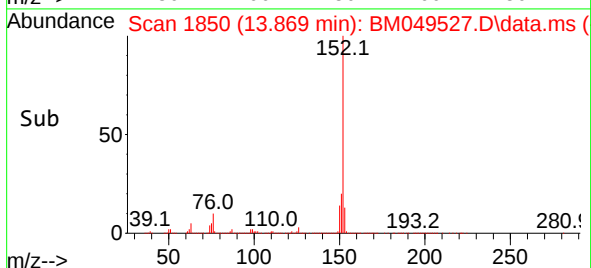
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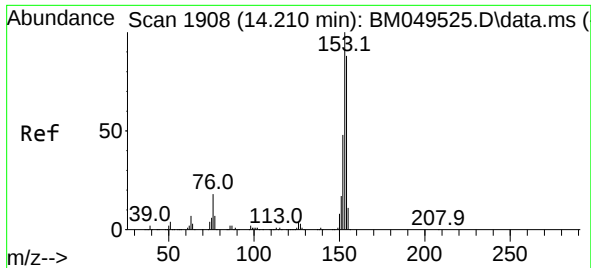


#50
Acenaphthylene
Concen: 154.745 ng/ul
RT: 13.869 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02



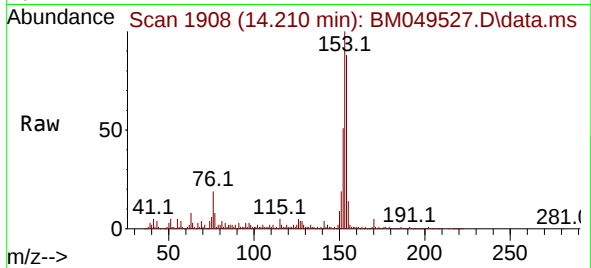
Tgt Ion:152 Resp: 8276272
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.6 10.4 15.6





#52
Acenaphthene
Concen: 13.102 ng/ul
RT: 14.210 min Scan# 1908
Delta R.T. -0.006 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

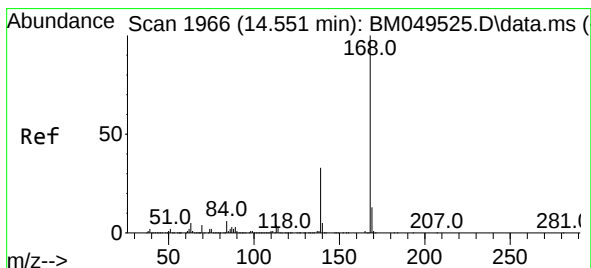
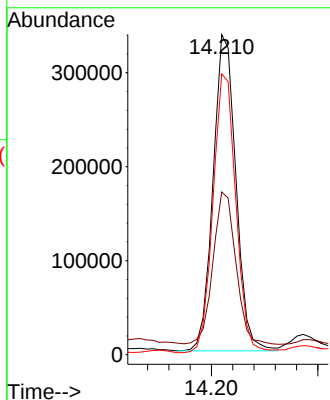
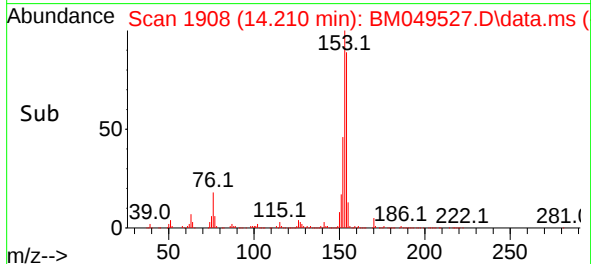
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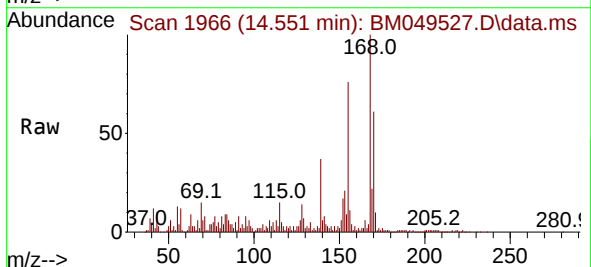
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Ion Ratio Lower Upper
153 100
152 50.8 39.0 58.4
154 87.7 71.5 107.3

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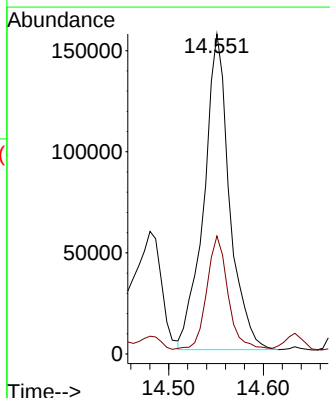
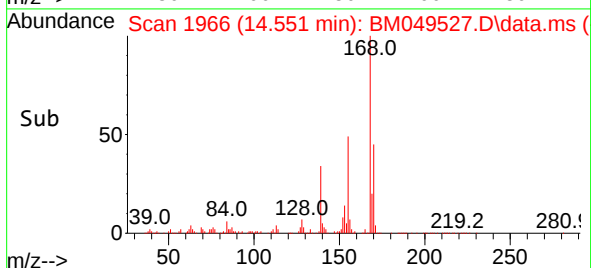
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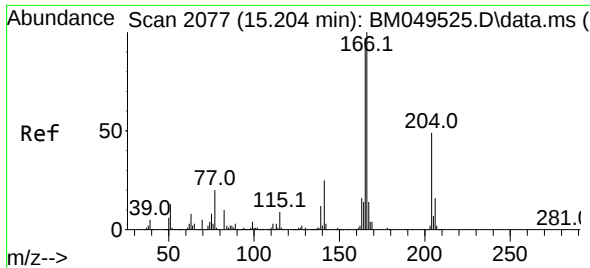


#56
Dibenzofuran
Concen: 5.385 ng/ul
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02



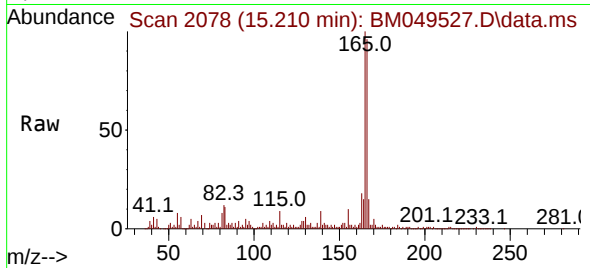
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Ion Ratio Lower Upper
168 100
139 36.8 27.4 41.0





#61
Fluorene
Concen: 10.389 ng/ul
RT: 15.210 min Scan# 2077
Delta R.T. -0.000 min
Lab File: BM049527.D
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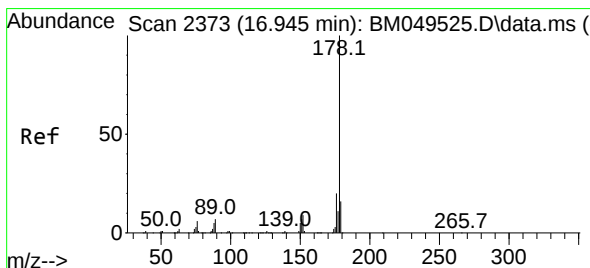
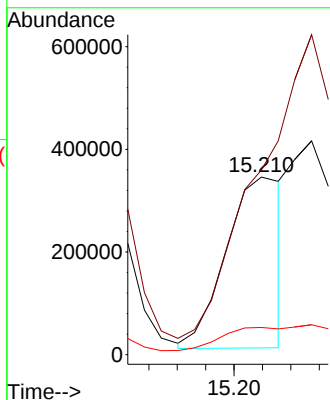
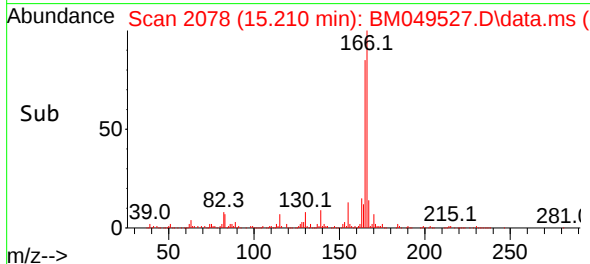
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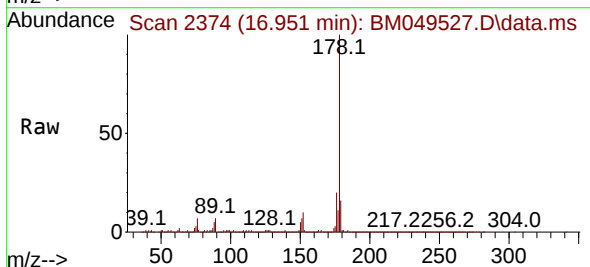
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Ion Ratio Lower Upper
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165 104.0 78.5 117.7
167 15.4 10.7 16.1

Manual Integrations
APPROVED

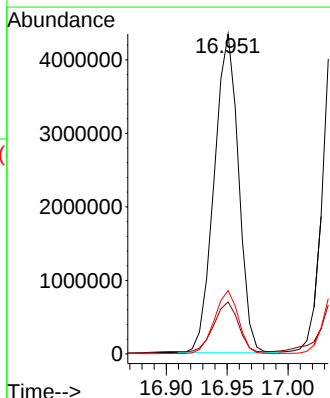
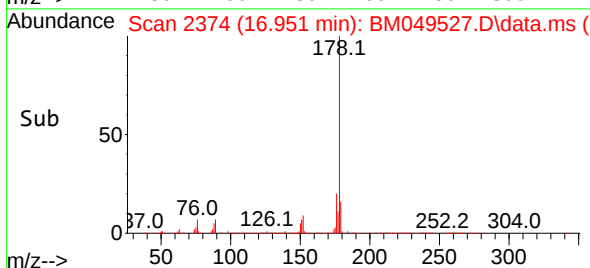
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

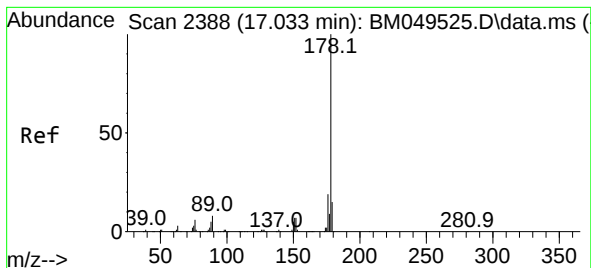


#72
Phenanthrene
Concen: 92.339 ng/ul
RT: 16.951 min Scan# 2374
Delta R.T. 0.006 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02



Tgt Ion:178 Resp: 6033599
Ion Ratio Lower Upper
178 100
179 16.2 12.4 18.6
176 19.8 15.6 23.4





#74

Anthracene

Concen: 152.830 ng/ul

RT: 17.045 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049527.D

Acq: 30 Jan 2025 15:02

Instrument :

BNA_M

ClientSampleId :

A44R4

Tgt Ion:178 Resp:1005865

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

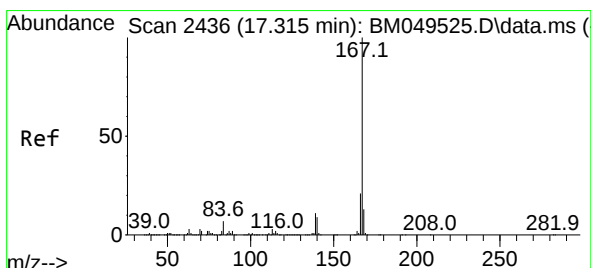
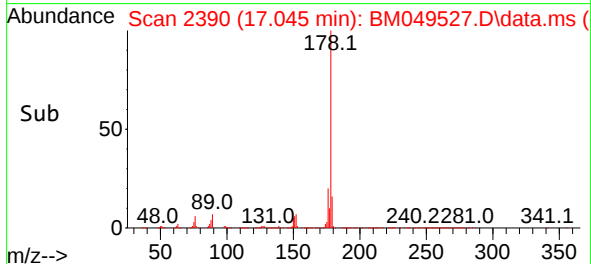
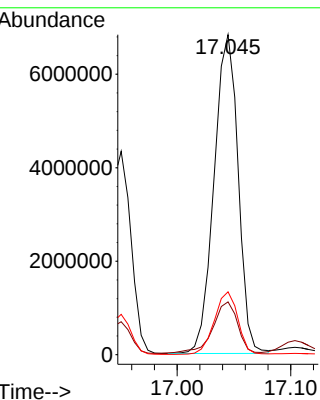
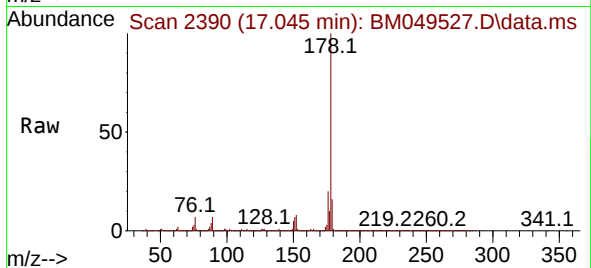
176 19.7 15.0 22.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2025

Supervised By :mohammad ahmed 02/04/2025



#77

Carbazole

Concen: 17.151 ng/ul

RT: 17.321 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BM049527.D

Acq: 30 Jan 2025 15:02

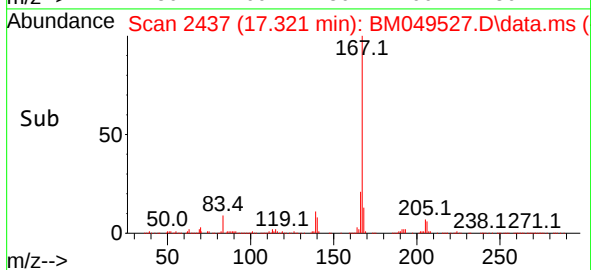
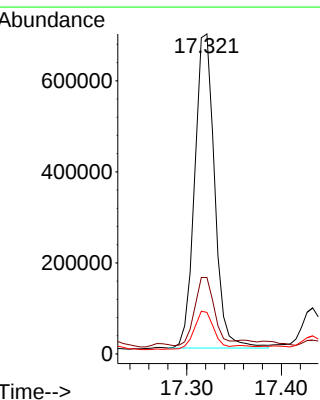
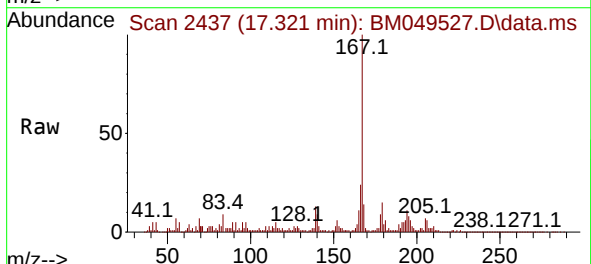
Tgt Ion:167 Resp: 1008861

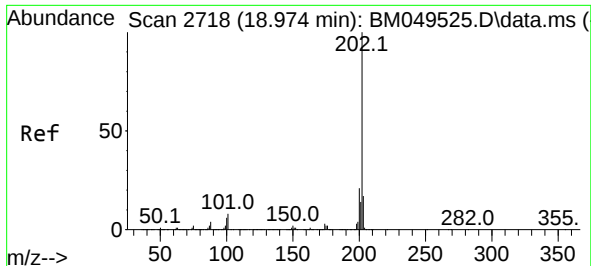
Ion Ratio Lower Upper

167 100

166 23.9 17.2 25.8

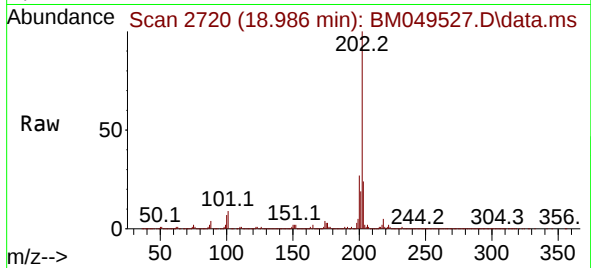
139 13.0 9.3 13.9





#80
Fluoranthene
Concen: 454.666 ng/ul m
RT: 18.986 min Scan# 2718
Delta R.T. 0.012 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

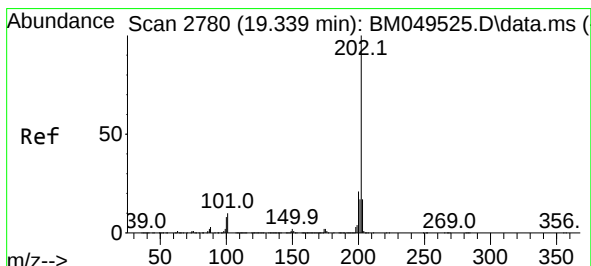
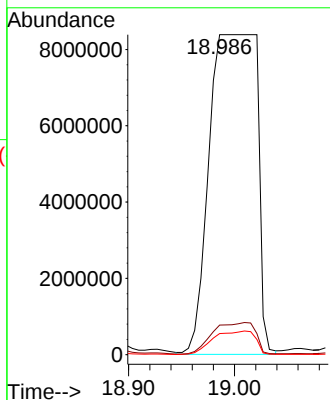
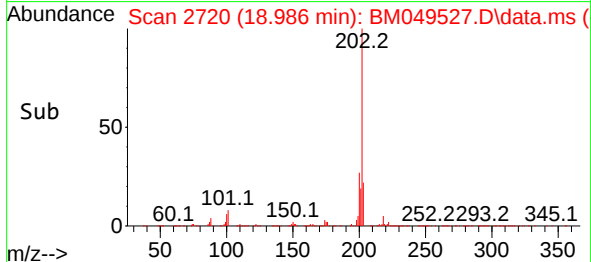
Instrument :
BNA_M
ClientSampleId :
A44R4



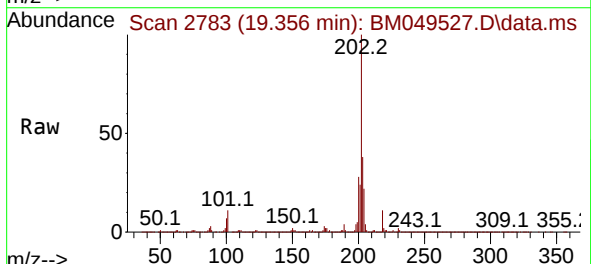
Tgt Ion:202 Resp:2622365
Ion Ratio Lower Upper
202 100
101 9.2 6.9 10.3
100 6.6 5.1 7.7

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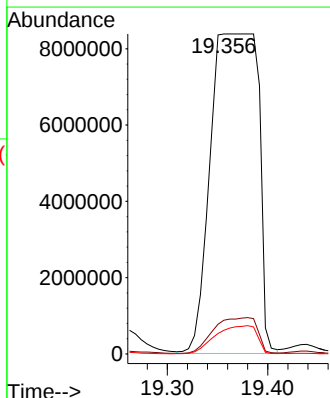
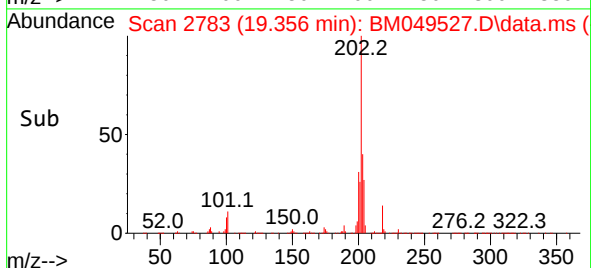
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

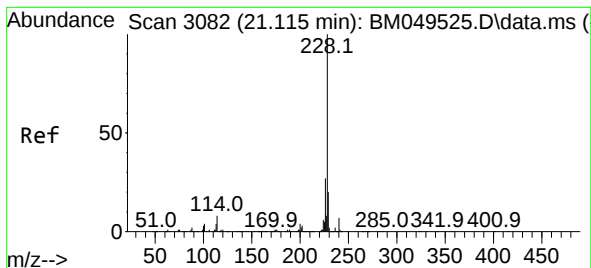


#82
Pyrene
Concen: 445.011 ng/ul m
RT: 19.356 min Scan# 2783
Delta R.T. 0.018 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02



Tgt Ion:202 Resp:27616859
Ion Ratio Lower Upper
202 100
101 10.5 8.3 12.5
100 7.4 6.6 9.8





#85

Benzo(a)anthracene

Concen: 449.874 ng/ul m

RT: 21.145 min Scan# 3082

Delta R.T. 0.029 min

Lab File: BM049527.D

Acq: 30 Jan 2025 15:02

Instrument :

BNM

ClientSampleId :

A44R4

Tgt Ion:228 Resp:27298510

Ion Ratio Lower Upper

228 100

229 30.9 15.7 23.5

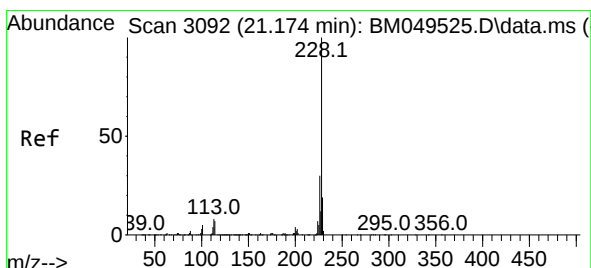
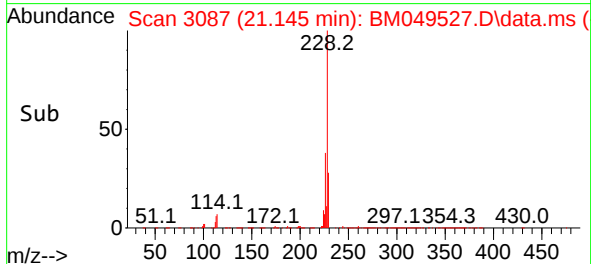
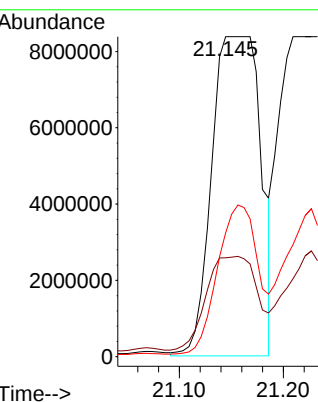
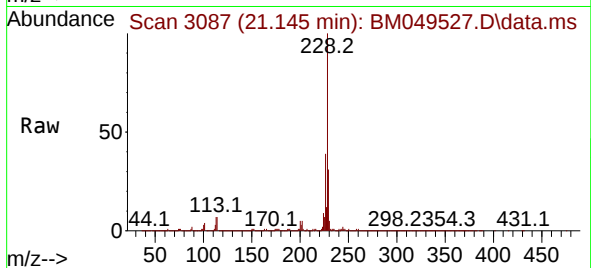
226 38.7 22.1 33.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2025

Supervised By :mohammad ahmed 02/04/2025



#87

Chrysene

Concen: 425.243 ng/ul m

RT: 21.209 min Scan# 3098

Delta R.T. 0.035 min

Lab File: BM049527.D

Acq: 30 Jan 2025 15:02

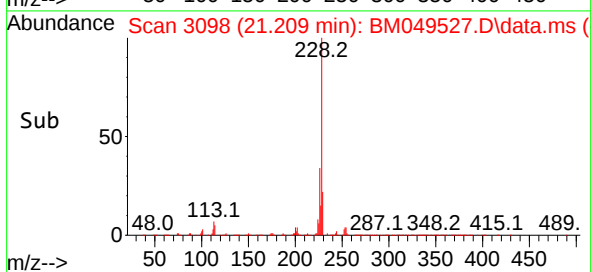
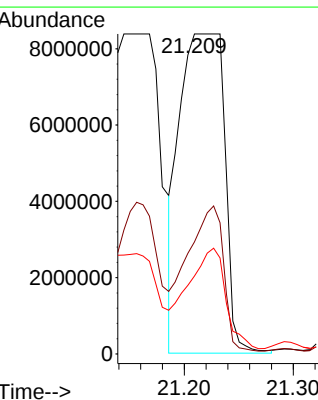
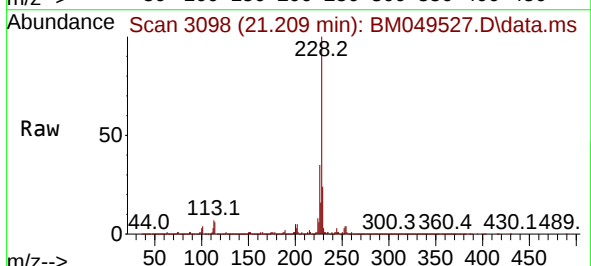
Tgt Ion:228 Resp:23963530

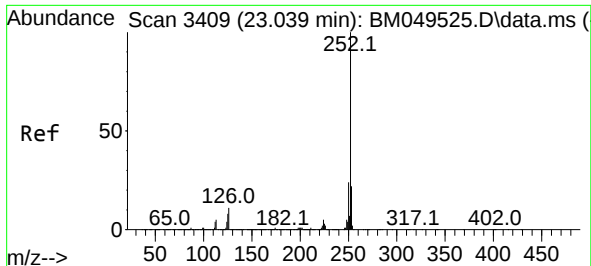
Ion Ratio Lower Upper

228 100

226 35.0 24.6 37.0

229 24.3 15.9 23.9





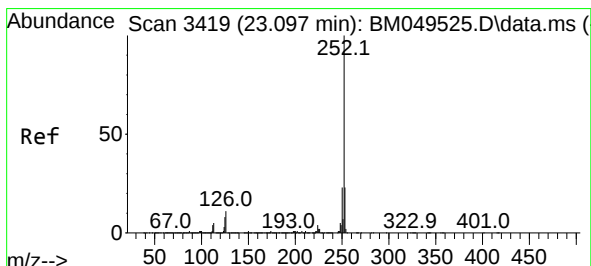
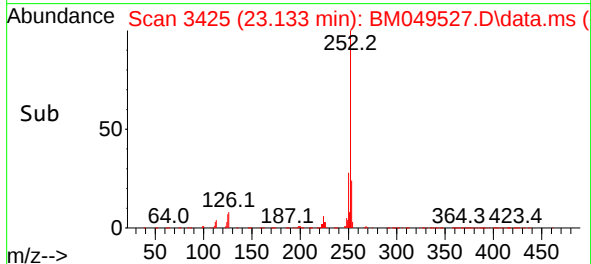
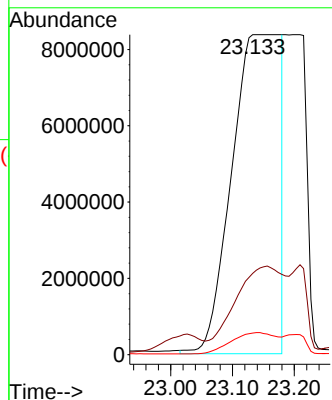
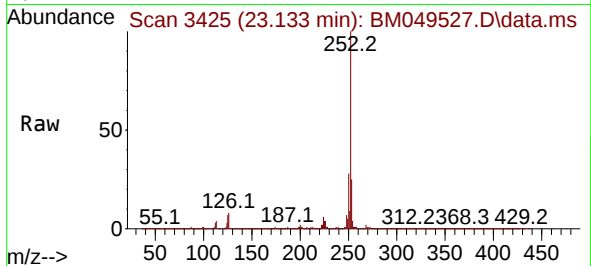
#90
Benzo(b)fluoranthene
Concen: 559.689 ng/ul m
RT: 23.133 min Scan# 3409
Delta R.T. 0.088 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

Instrument :
BNA_M
ClientSampleId :
A44R4

Tgt Ion:252 Resp:45398800
Ion Ratio Lower Upper
252 100
253 25.4 17.6 26.4
125 6.8 6.3 9.5

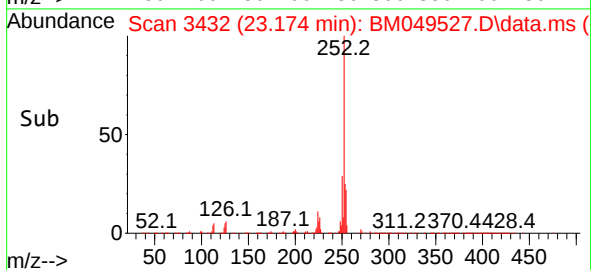
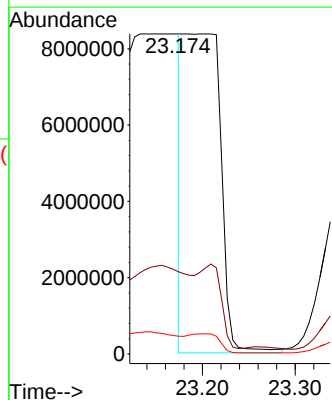
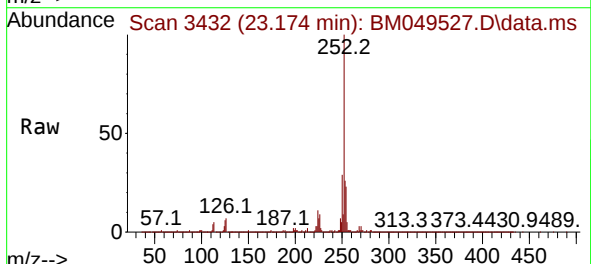
Manual Integrations
APPROVED

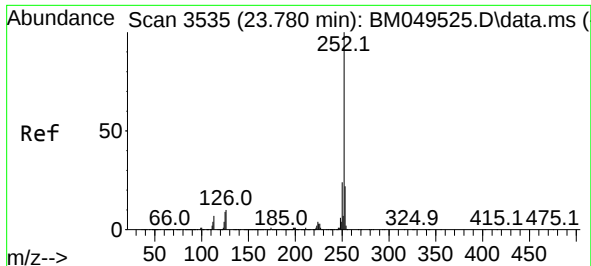
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025



#91
Benzo(k)fluoranthene
Concen: 284.736 ng/ul m
RT: 23.174 min Scan# 3432
Delta R.T. 0.076 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

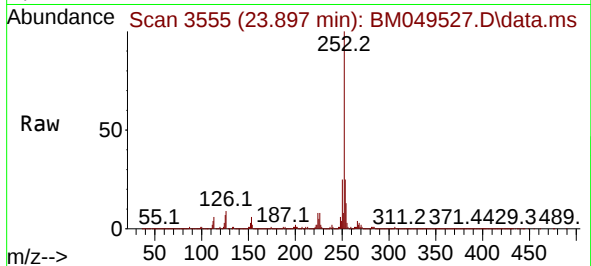
Tgt Ion:252 Resp:23338422
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 5.6 6.5 9.7#





#93
Benzo(a)pyrene
Concen: 331.847 ng/ul m
RT: 23.897 min Scan# 3
Delta R.T. 0.117 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02

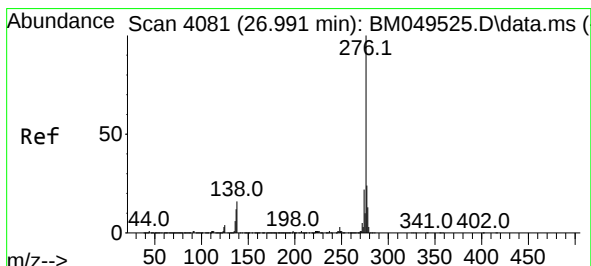
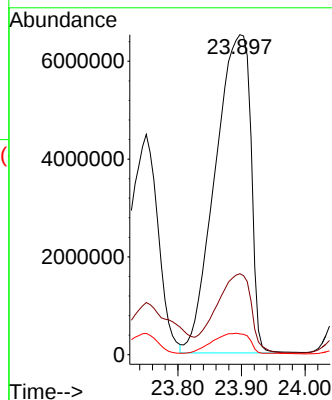
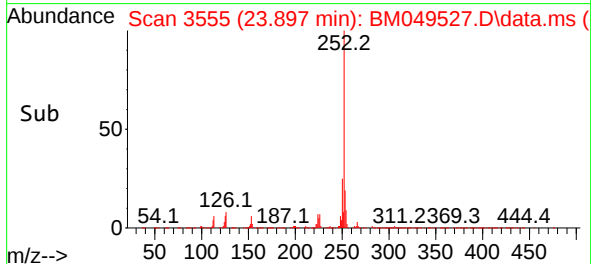
Instrument :
BNA_M
ClientSampleId :
A44R4



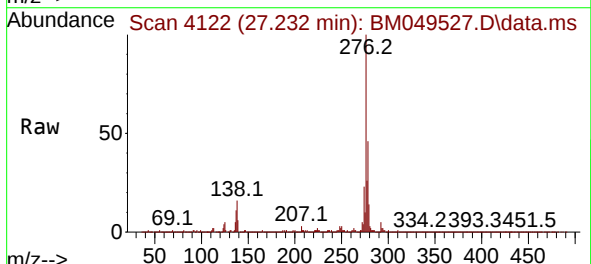
Tgt Ion:252 Resp:25250890
Ion Ratio Lower Upper
252 100
253 25.3 17.3 25.9
125 6.5 7.0 10.6

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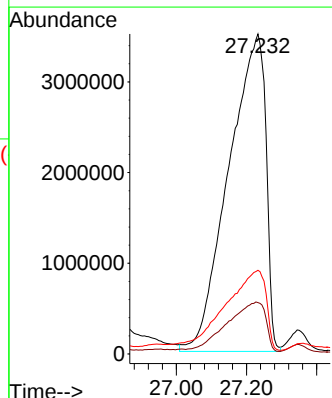
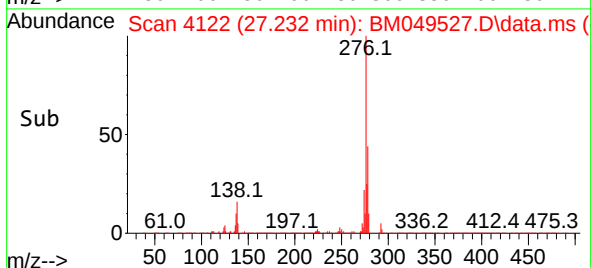
Reviewed By :Jagrut Upadhyay 01/31/2025
Supervised By :mohammad ahmed 02/04/2025

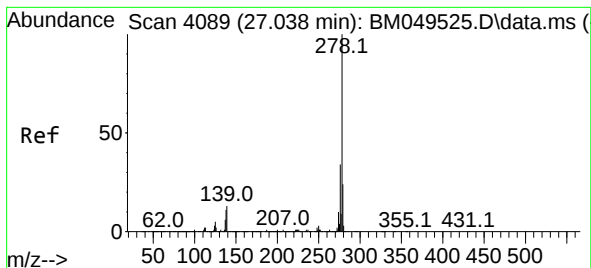


#94
Indeno(1,2,3-cd)pyrene
Concen: 273.033 ng/ul m
RT: 27.232 min Scan# 4122
Delta R.T. 0.241 min
Lab File: BM049527.D
Acq: 30 Jan 2025 15:02



Tgt Ion:276 Resp:25750926
Ion Ratio Lower Upper
276 100
138 16.1 13.8 20.6
277 26.1 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 138.929 ng/ul

RT: 27.250 min Scan# 4125

Delta R.T. 0.200 min

Lab File: BM049527.D

Acq: 30 Jan 2025 15:02

Instrument :

BNA_M

ClientSampleId :

A44R4

Tgt Ion:278 Resp:1061749

Ion Ratio Lower Upper

278 100

139 12.3 10.5 15.7

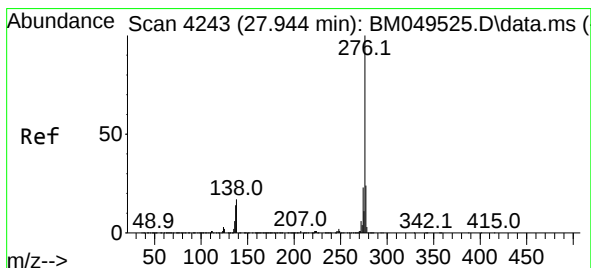
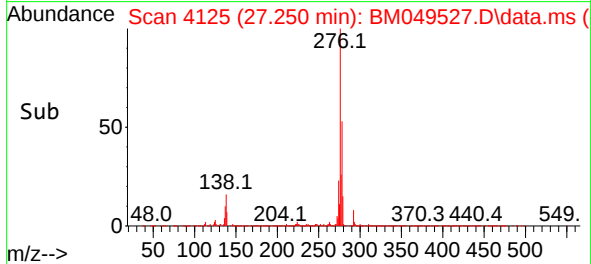
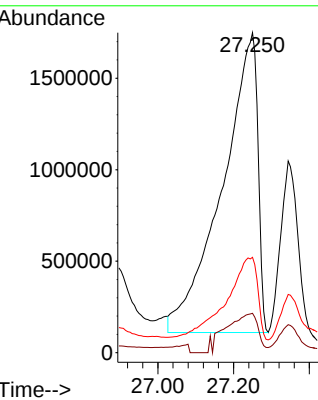
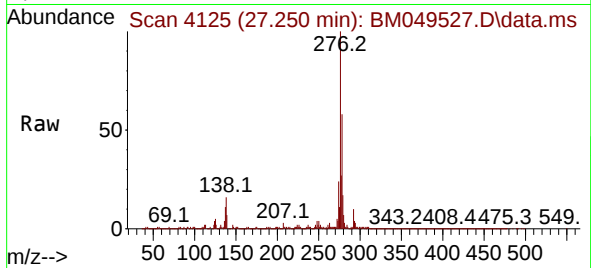
279 29.8 19.3 28.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2025

Supervised By :mohammad ahmed 02/04/2025



#96

Benzo(g,h,i)perylene

Concen: 49.105 ng/ul m

RT: 28.132 min Scan# 4275

Delta R.T. 0.182 min

Lab File: BM049527.D

Acq: 30 Jan 2025 15:02

Tgt Ion:276 Resp: 3521328

Ion Ratio Lower Upper

276 100

138 18.4 14.1 21.1

277 27.9 19.1 28.7

