

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064275.D
 Acq On : 4 Sep 2025 6:07
 Operator : RC/JU
 Sample : Q2893-08
 Misc : LOQ-WATER 10PPM
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Quant Time: Sep 04 06:53:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	38152	20.000	ng	0.00
21) Naphthalene-d8	10.642	136	174062	20.000	ng	0.00
39) Acenaphthene-d10	14.479	164	127551	20.000	ng	0.00
64) Phenanthrene-d10	17.217	188	254569	20.000	ng	# 0.00
76) Chrysene-d12	21.447	240	235700	20.000	ng	0.00
86) Perylene-d12	24.450	264	254606	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.443	112	279679	131.519	ng	0.00
7) Phenol-d6	7.023	99	415594	142.254	ng	0.00
23) Nitrobenzene-d5	9.009	82	328830	105.359	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	229982	136.127	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	837614	100.234	ng	0.00
79) Terphenyl-d14	19.838	244	1164936	103.117	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.668	42	18590	10.772	ng	86
9) Benzaldehyde	6.994	77	26433	10.994	ng	96
15) Benzyl Alcohol	8.087	79	29431	10.916	ng	93
20) 3+4-Methylphenols	8.615	107	34541	10.355	ng	95
32) Benzoic acid	9.926	122	14421m	7.344	ng	
35) Caprolactam	11.547	113	8697	8.605	ng	91
41) Hexachlorocyclopentadiene	12.652	237	24568	14.046	ng	99
54) 2,4-Dinitrophenol	14.585	184	7731	11.535	ng	# 81
56) 4-Nitrophenol	14.691	139	12341	7.684	ng	93
65) 4,6-Dinitro-2-methylph...	15.596	198	16228	11.103	ng	99
70) Pentachlorophenol	16.870	266	18392	10.102	ng	90
77) Benzidine	19.450	184	75274	15.181	ng	97
82) 3,3'-Dichlorobenzidine	21.348	252	60385	12.296	ng	96
85) Di-n-octyl phthalate	22.493	149	159464	10.884	ng	98

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

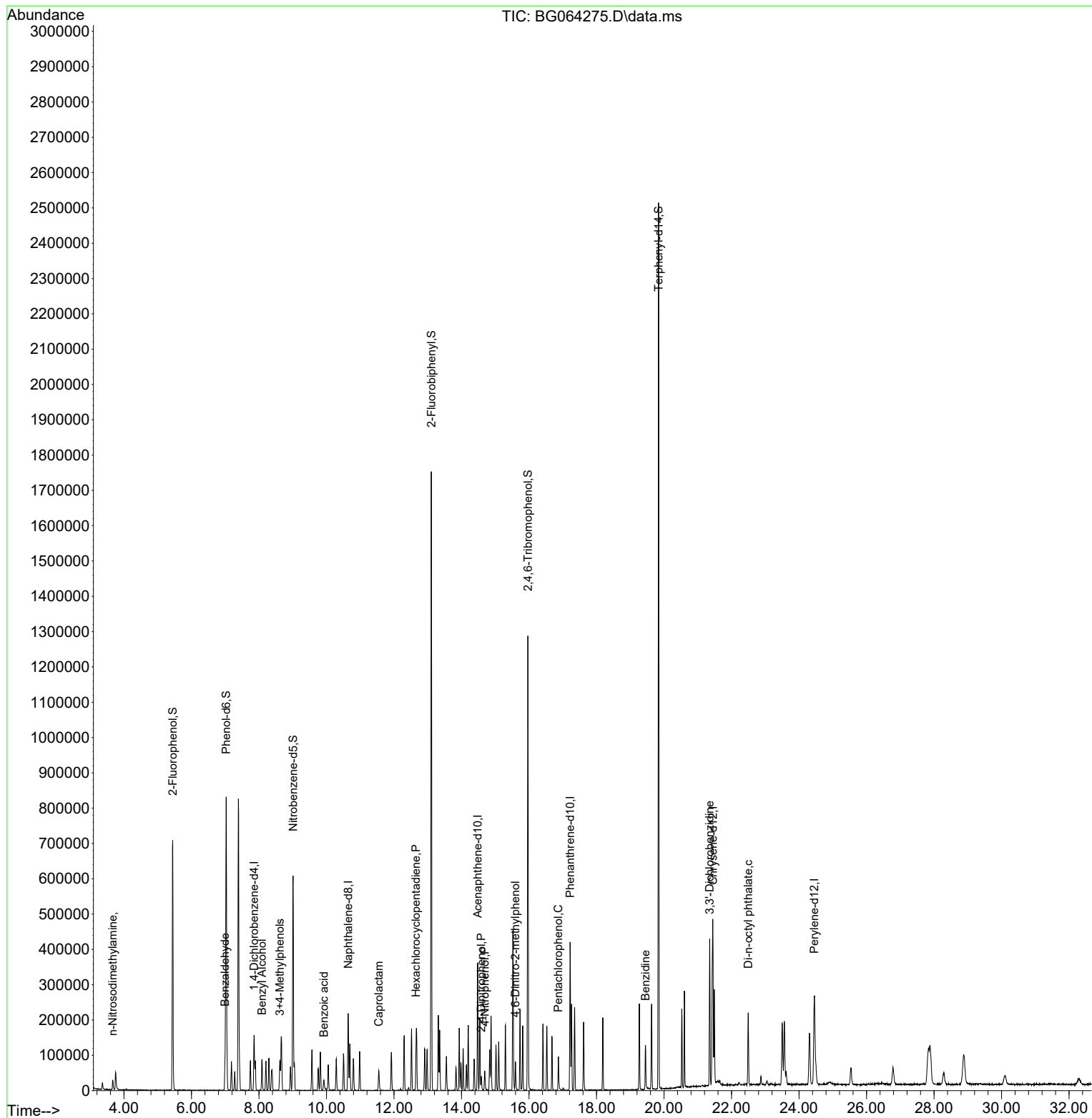
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
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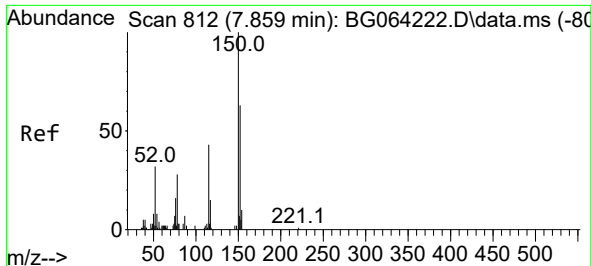
Instrument :
BNA_G
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LOQ-WATER-02-QT3-2025

Quant Time: Sep 04 06:53:21 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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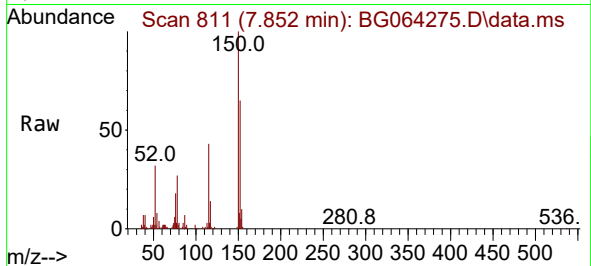
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 812
Delta R.T. -0.007 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

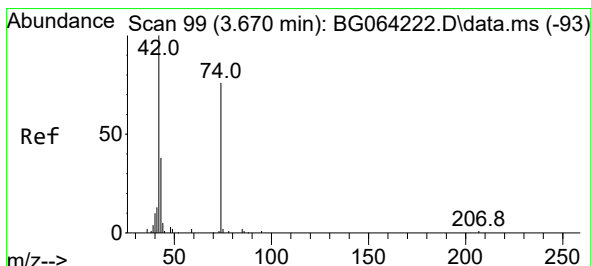
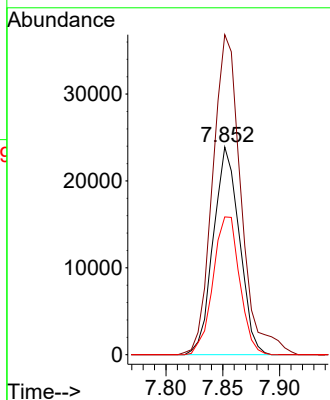
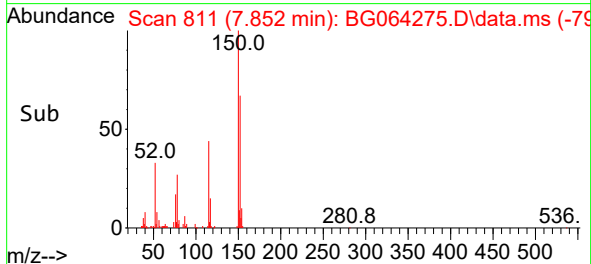
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 152 Resp: 3815
Ion Ratio Lower Upper
152 100
150 154.1 128.0 192.0
115 66.3 55.7 83.5

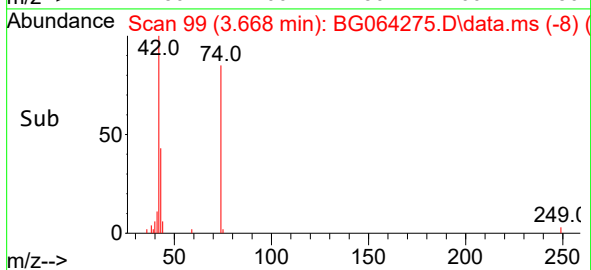
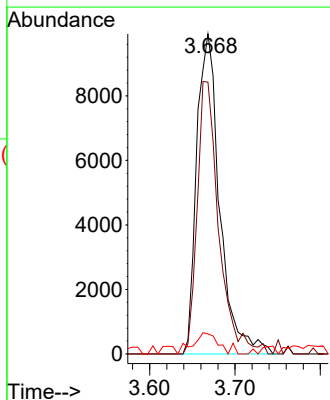
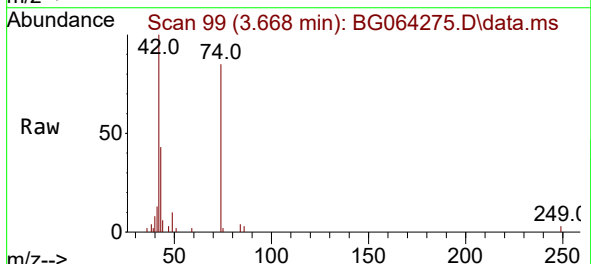
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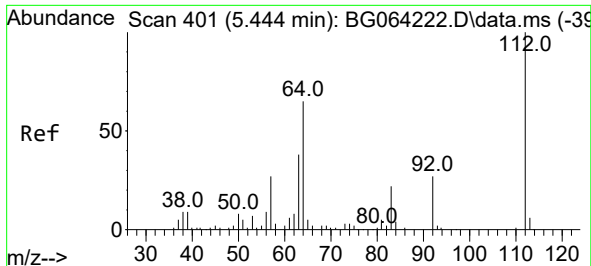
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#4
n-Nitrosodimethylamine
Concen: 10.772 ng
RT: 3.668 min Scan# 99
Delta R.T. 0.004 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

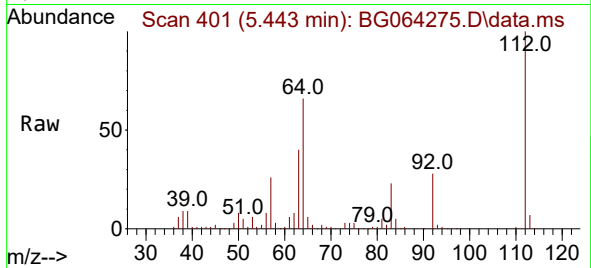
Tgt Ion: 42 Resp: 18590
Ion Ratio Lower Upper
42 100
74 84.9 58.0 87.0
44 6.3 5.5 8.3





#5
2-Fluorophenol
Concen: 131.519 ng
RT: 5.443 min Scan# 401
Delta R.T. -0.002 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

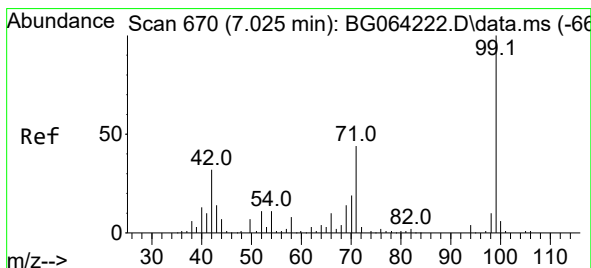
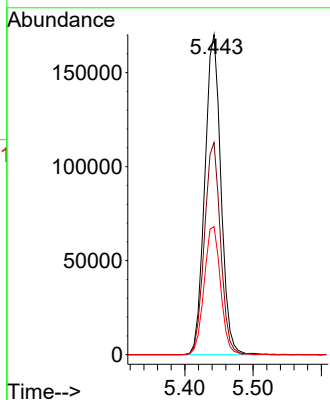
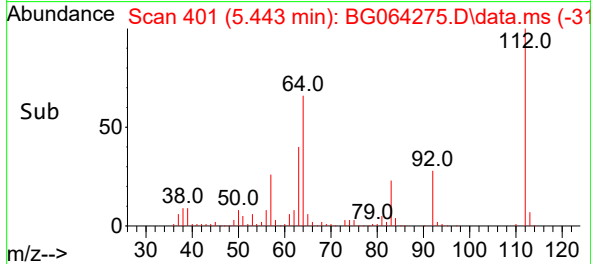
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:112 Resp: 279679
Ion Ratio Lower Upper
112 100
64 66.3 51.8 77.6
63 40.0 30.6 45.8

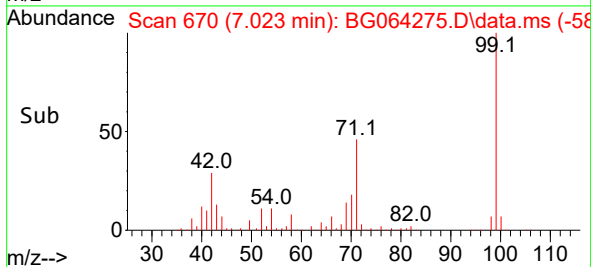
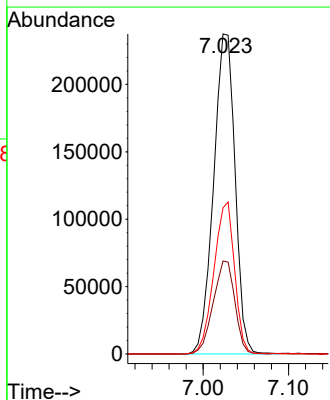
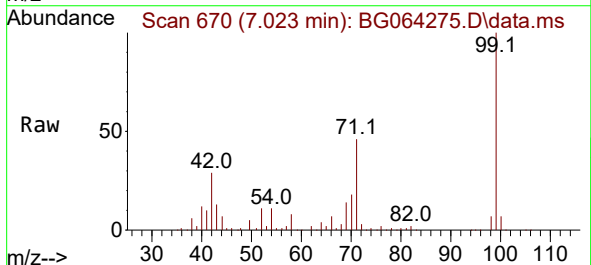
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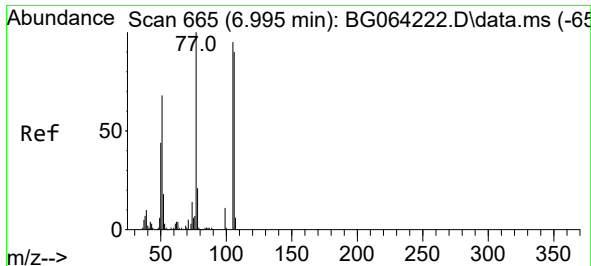
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#7
Phenol-d6
Concen: 142.254 ng
RT: 7.023 min Scan# 670
Delta R.T. -0.007 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

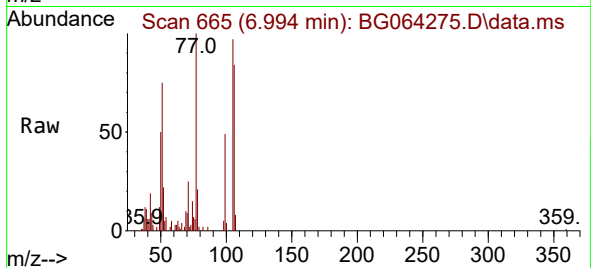
Tgt Ion: 99 Resp: 415594
Ion Ratio Lower Upper
99 100
42 29.0 25.8 38.8
71 45.7 35.2 52.8





#9
Benzaldehyde
Concen: 10.994 ng
RT: 6.994 min Scan# 665
Delta R.T. -0.001 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

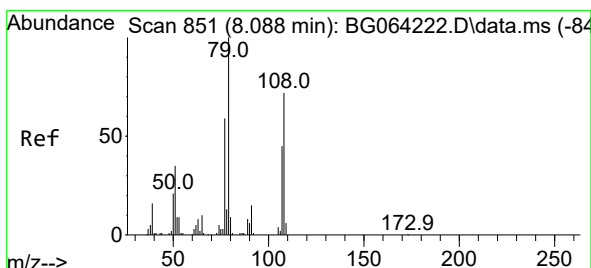
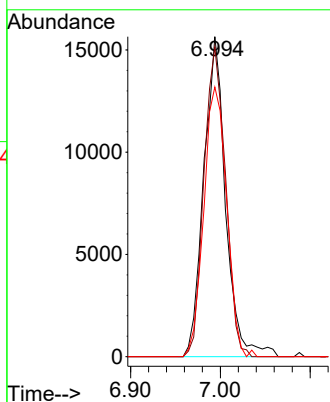
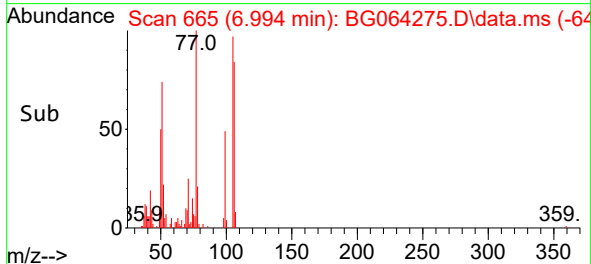
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 77 Resp: 2643
Ion Ratio Lower Upper
77 100
105 96.8 75.2 115.2
106 84.2 69.6 109.6

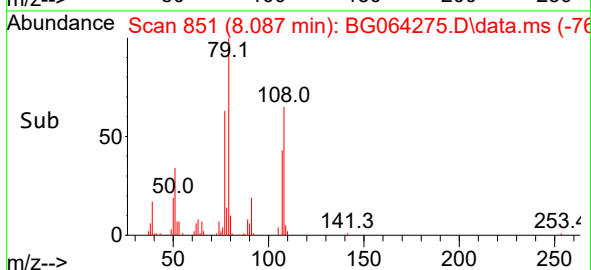
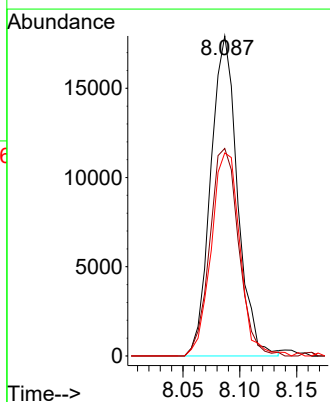
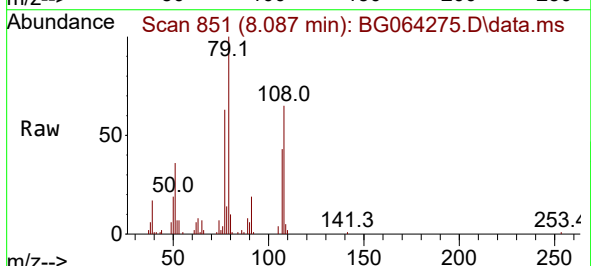
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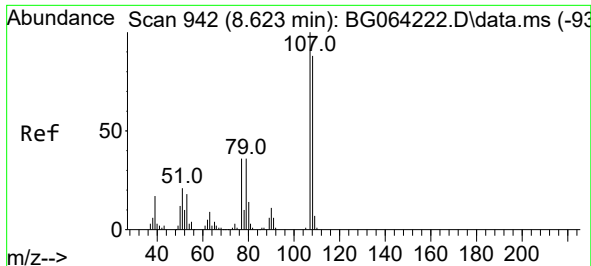
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#15
Benzyl Alcohol
Concen: 10.916 ng
RT: 8.087 min Scan# 851
Delta R.T. -0.007 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

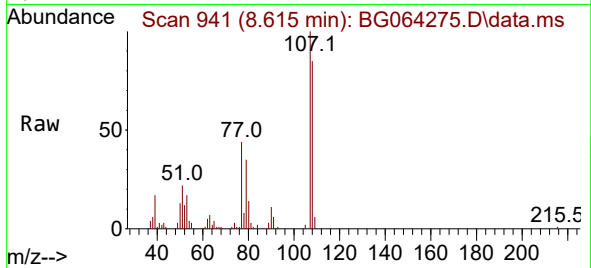
Tgt Ion: 79 Resp: 29431
Ion Ratio Lower Upper
79 100
108 64.9 57.4 86.0
77 63.5 47.2 70.8





#20
3+4-Methylphenols
Concen: 10.355 ng
RT: 8.615 min Scan# 942
Delta R.T. -0.013 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

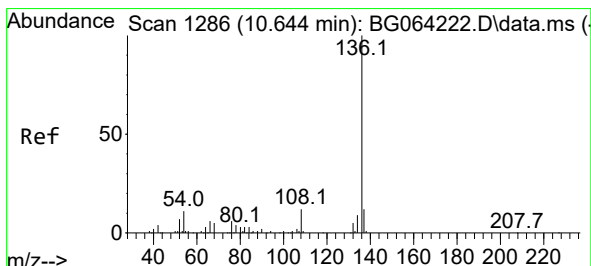
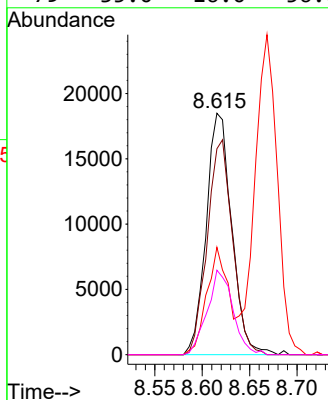
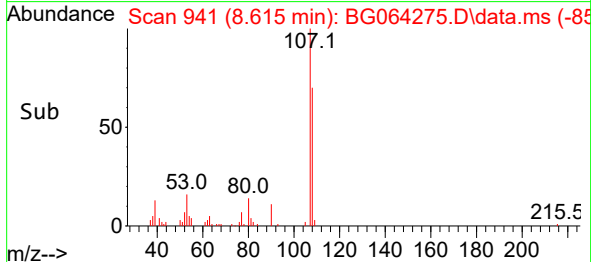
Instrument : BNA_G
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:107	Resp:	3454
Ion Ratio	Lower	Upper
107	100	
108	85.3	68.1 108.1
77	44.5	15.9 55.9
79	35.0	16.0 56.0

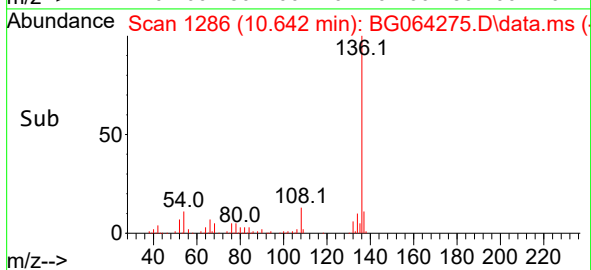
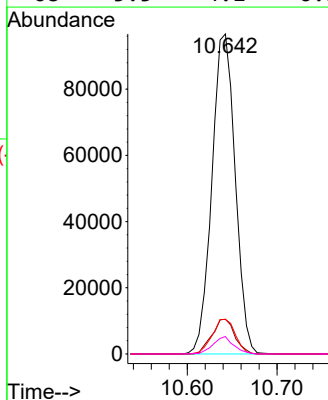
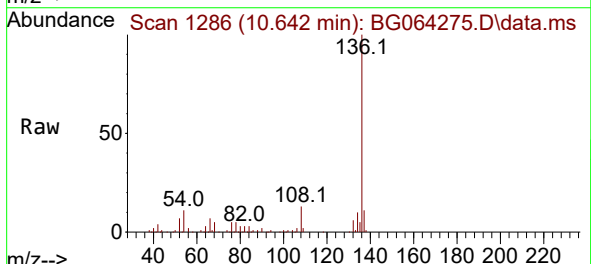
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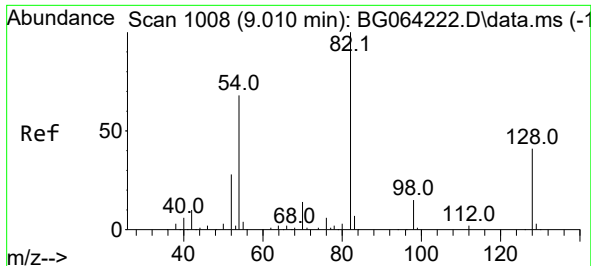
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.642 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

Tgt Ion:136	Resp:	174062
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.6 14.4
54	10.8	8.8 13.2
68	5.5	4.1 6.1





#23

Nitrobenzene-d5

Concen: 105.359 ng

RT: 9.009 min Scan# 1008

Delta R.T. -0.007 min

Lab File: BG064275.D

Acq: 4 Sep 2025 6:07

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT3-2025

Tgt Ion: 82 Resp: 328830

Ion Ratio Lower Upper

82 100

128 40.1 32.6 48.8

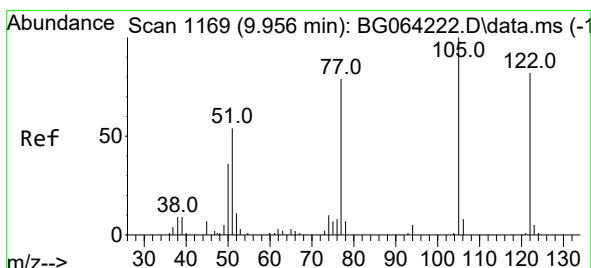
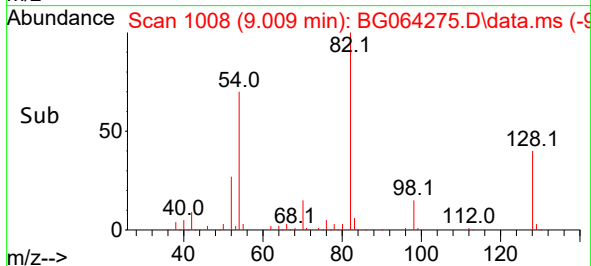
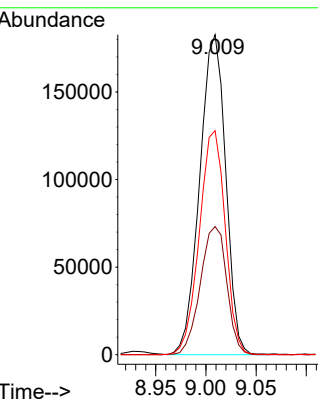
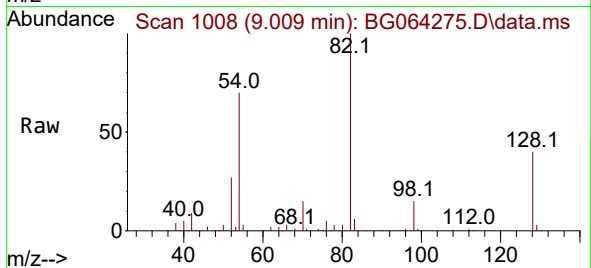
54 70.0 54.7 82.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/04/2025



#32

Benzoic acid

Concen: 7.344 ng m

RT: 9.926 min Scan# 1164

Delta R.T. -0.090 min

Lab File: BG064275.D

Acq: 4 Sep 2025 6:07

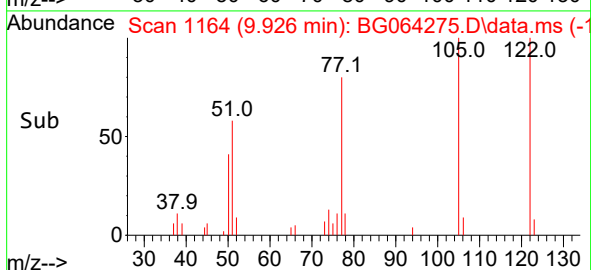
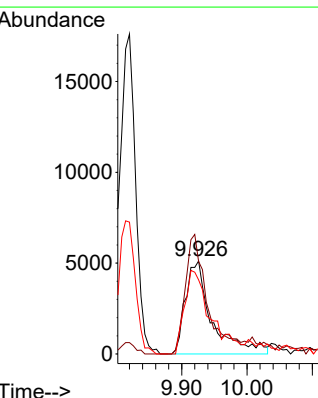
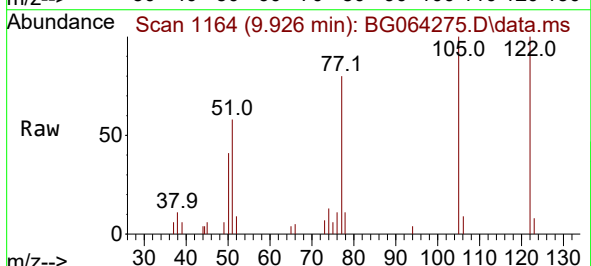
Tgt Ion:122 Resp: 14421

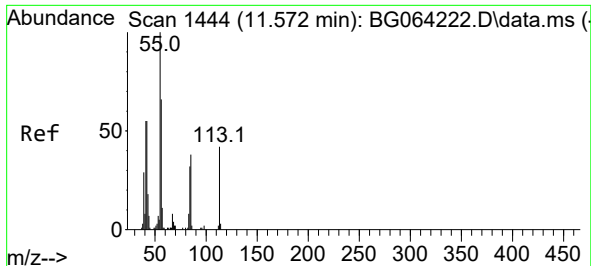
Ion Ratio Lower Upper

122 100

105 99.6 98.5 138.5

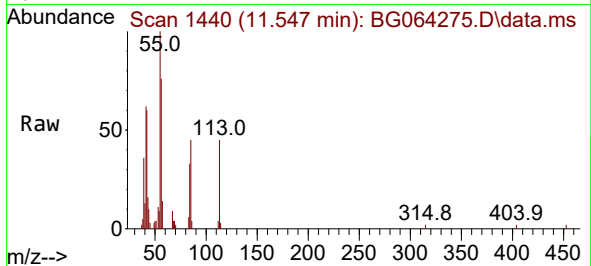
77 79.8 74.6 114.6





#35
 Caprolactam
 Concen: 8.605 ng
 RT: 11.547 min Scan# 1440
 Delta R.T. -0.054 min
 Lab File: BG064275.D
 Acq: 4 Sep 2025 6:07

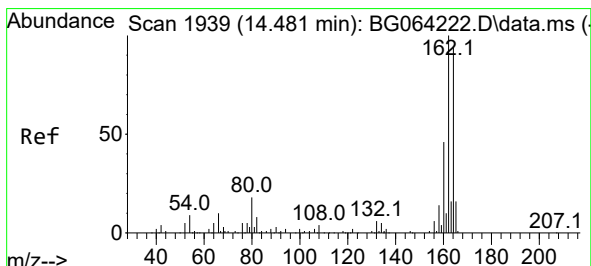
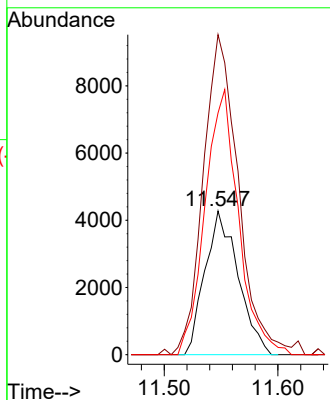
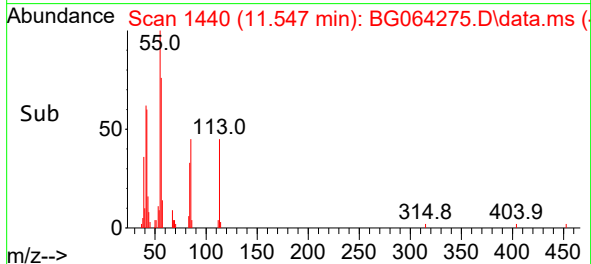
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT3-2025



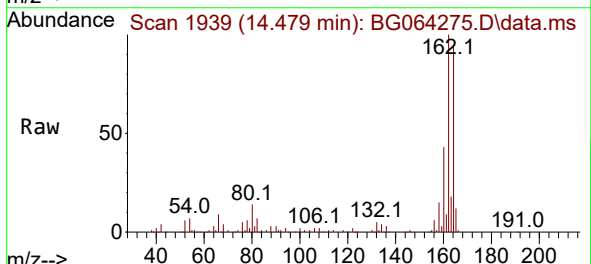
Tgt Ion:113 Resp: 869
 Ion Ratio Lower Upper
 113 100
 55 222.6 218.5 258.5
 56 168.1 138.5 178.5

Manual Integrations
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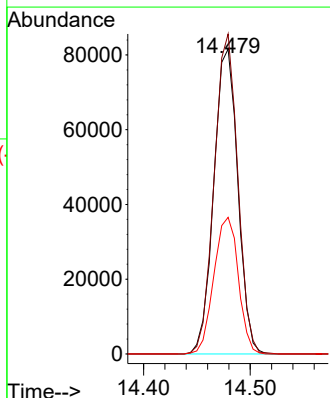
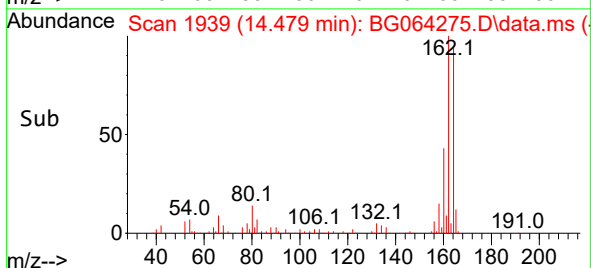
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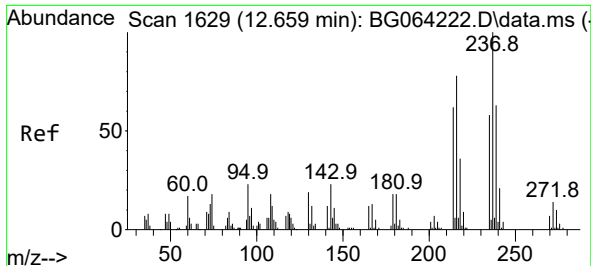


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.479 min Scan# 1939
 Delta R.T. -0.002 min
 Lab File: BG064275.D
 Acq: 4 Sep 2025 6:07



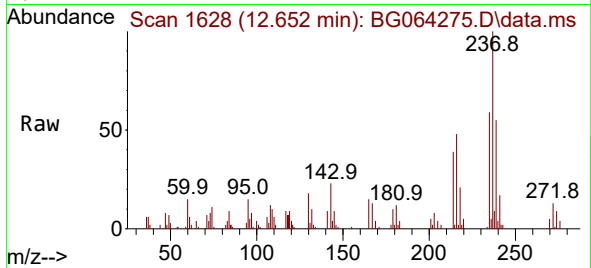
Tgt Ion:164 Resp: 127551
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.4 128.0
 160 44.8 39.2 58.8





#41
Hexachlorocyclopentadiene
Concen: 14.046 ng
RT: 12.652 min Scan# 1628
Delta R.T. -0.007 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

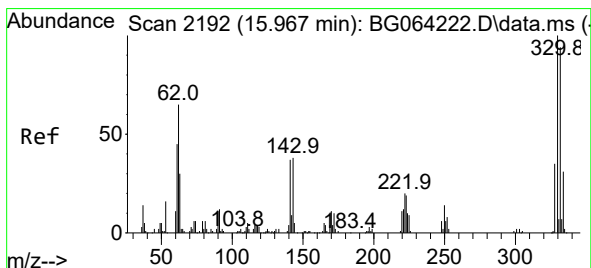
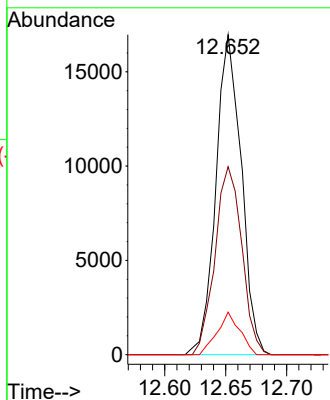
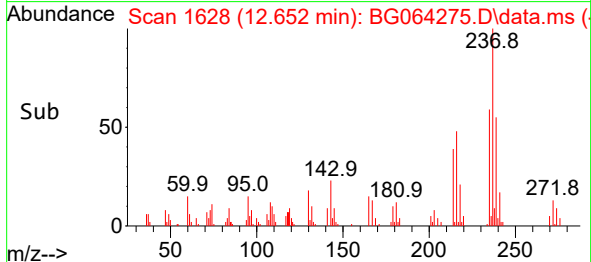
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:237 Resp: 2456
Ion Ratio Lower Upper
237 100
235 58.8 37.9 77.9
272 13.3 0.0 33.8

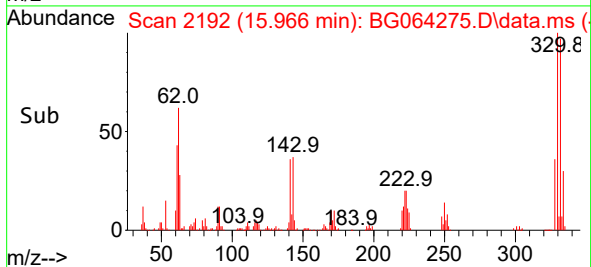
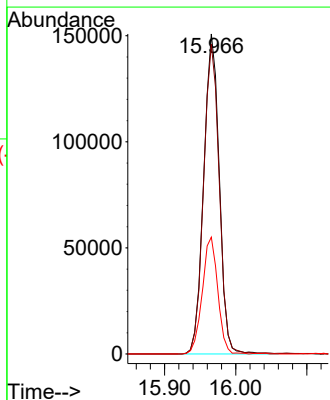
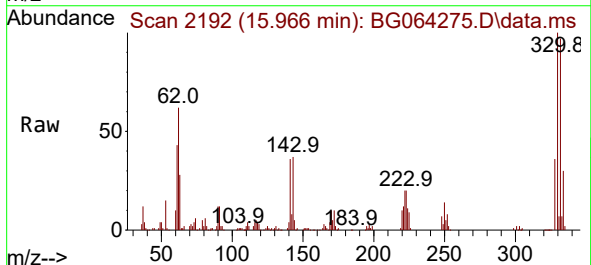
Manual Integrations
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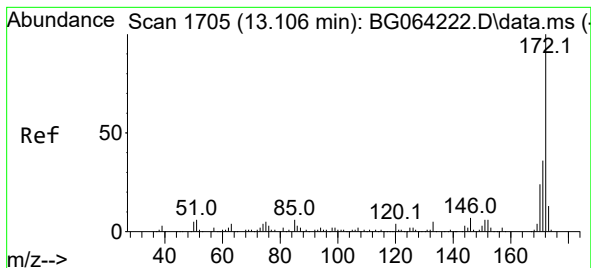
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#42
2,4,6-Tribromophenol
Concen: 136.127 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

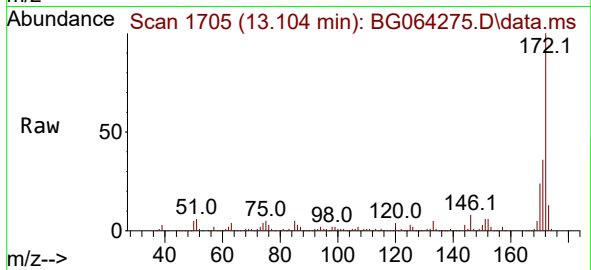
Tgt Ion:330 Resp: 229982
Ion Ratio Lower Upper
330 100
332 97.4 77.6 116.4
141 36.3 29.8 44.6





#45
2-Fluorobiphenyl
Concen: 100.234 ng
RT: 13.104 min Scan# 1705
Delta R.T. -0.008 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

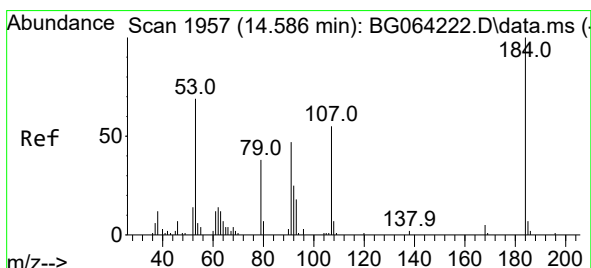
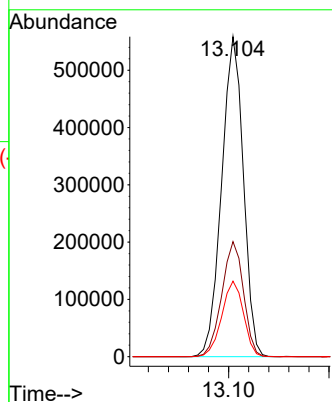
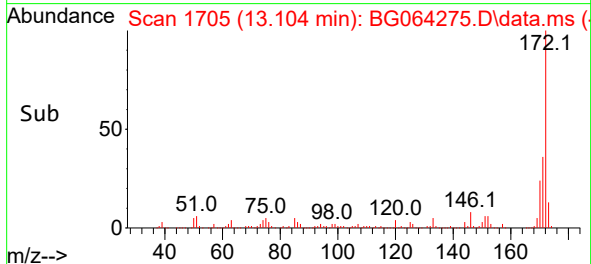
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT3-2025



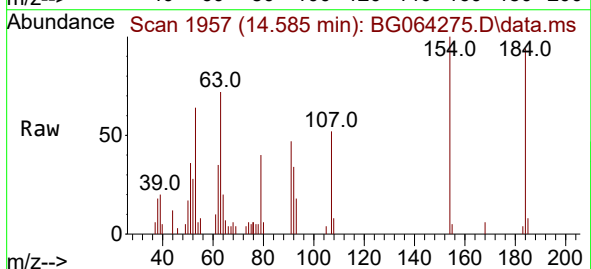
Tgt Ion:172 Resp: 837614
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.6 19.0 28.6

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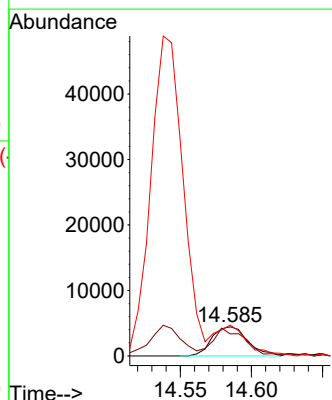
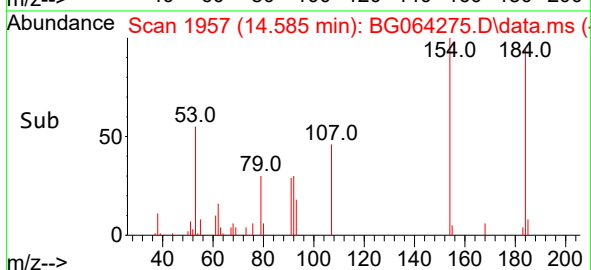
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

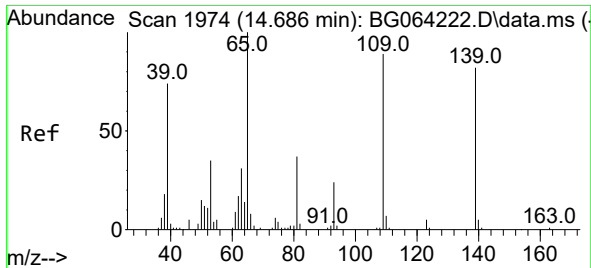


#54
2,4-Dinitrophenol
Concen: 11.535 ng
RT: 14.585 min Scan# 1957
Delta R.T. -0.007 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07



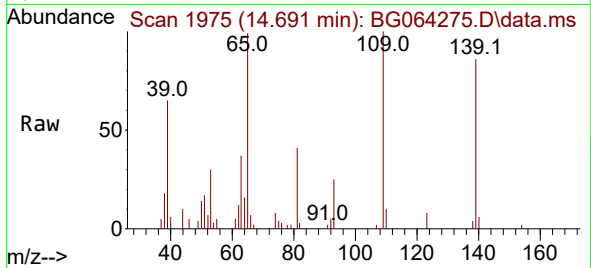
Tgt Ion:184 Resp: 7731
Ion Ratio Lower Upper
184 100
63 76.2 60.1 90.1
154 106.2 59.8 89.8#





#56
4-Nitrophenol
Concen: 7.684 ng
RT: 14.691 min Scan# 1975
Delta R.T. -0.007 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

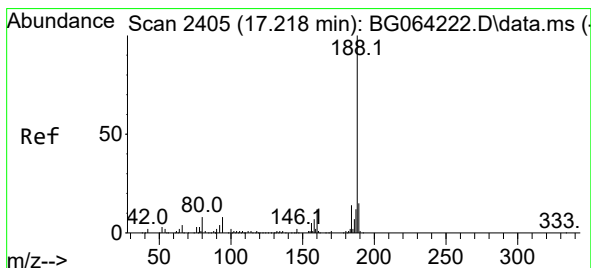
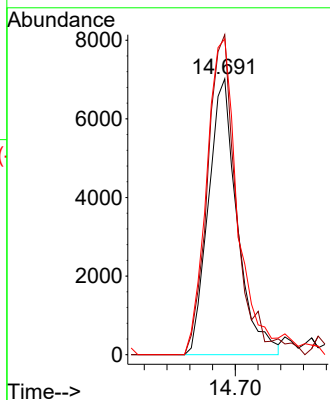
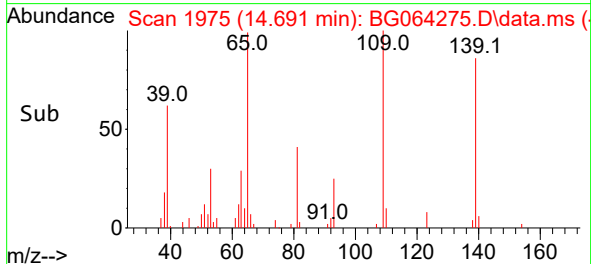
Instrument : BNA_G
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:139 Resp: 1234
Ion Ratio Lower Upper
139 100
109 116.0 89.1 129.1
65 114.5 102.9 142.9

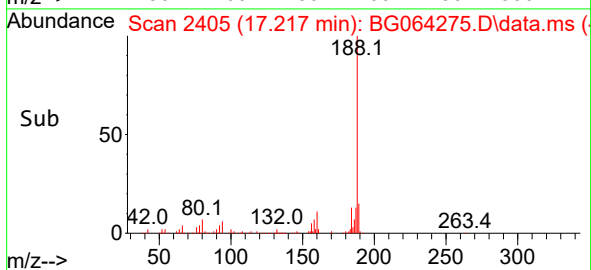
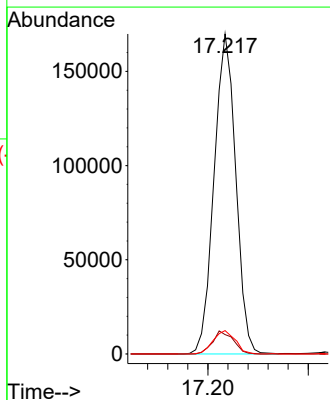
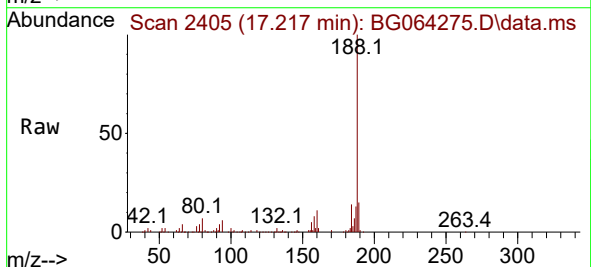
Manual Integrations
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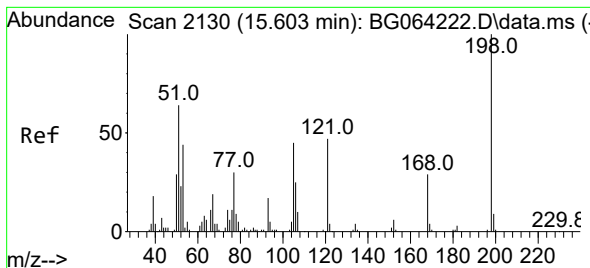
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.217 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

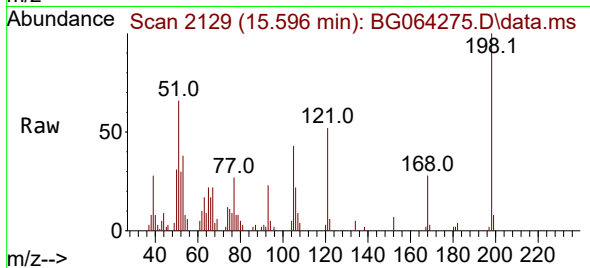
Tgt Ion:188 Resp: 254569
Ion Ratio Lower Upper
188 100
94 6.1 6.2 9.4#
80 7.3 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 11.103 ng
RT: 15.596 min Scan# 2130
Delta R.T. -0.013 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

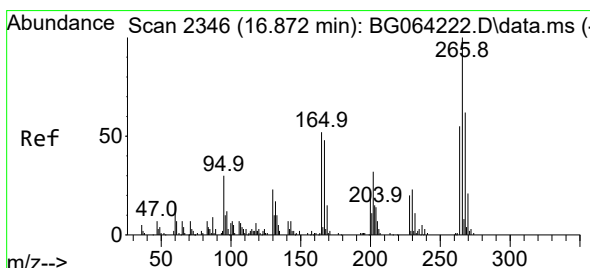
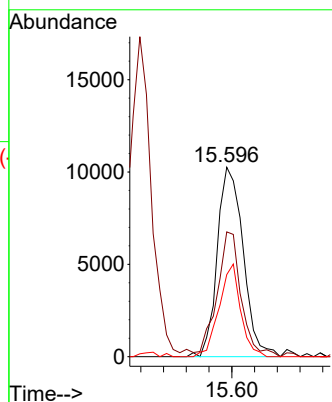
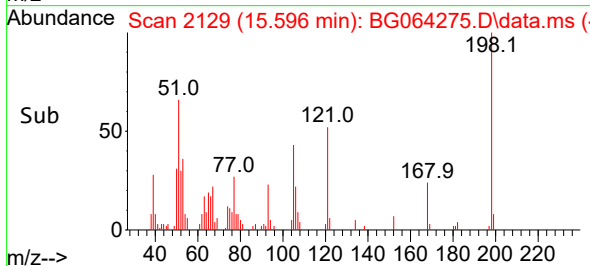
Instrument : BNA_G
ClientSampleId : LOQ-WATER-02-QT3-2025



Tgt Ion:198 Resp: 16228
Ion Ratio Lower Upper
198 100
51 65.8 46.2 86.2
105 43.3 25.0 65.0

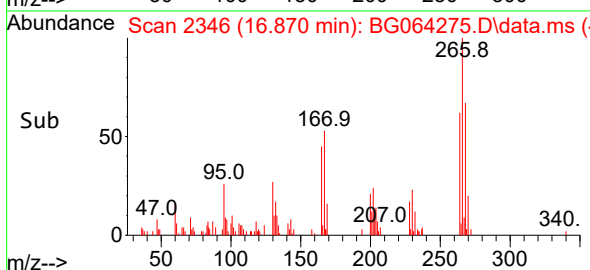
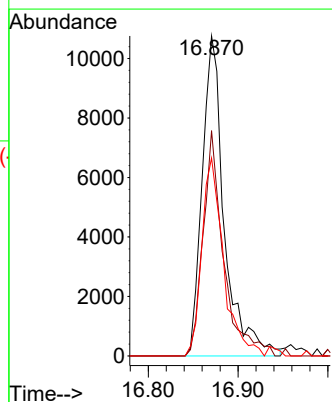
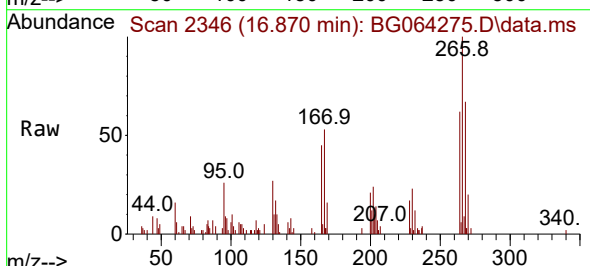
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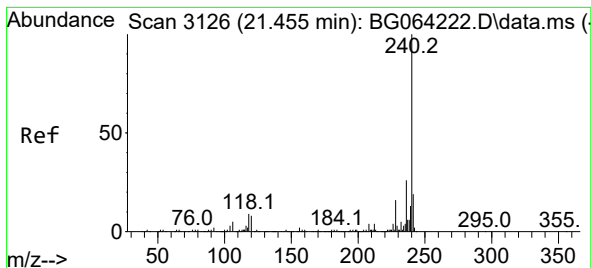
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#70
Pentachlorophenol
Concen: 10.102 ng
RT: 16.870 min Scan# 2346
Delta R.T. -0.008 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

Tgt Ion:266 Resp: 18392
Ion Ratio Lower Upper
266 100
268 70.4 49.4 74.0
264 61.8 44.3 66.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.447 min Scan# 3126

Delta R.T. -0.008 min

Lab File: BG064275.D

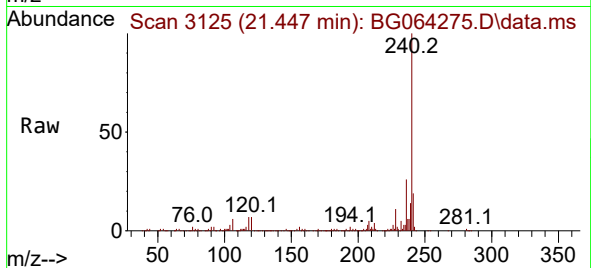
Acq: 4 Sep 2025 6:07

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT3-2025



Tgt Ion:240 Resp: 235700

Ion Ratio Lower Upper

240 100

120 7.0 6.2 9.4

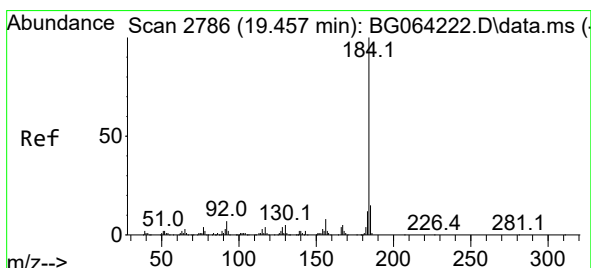
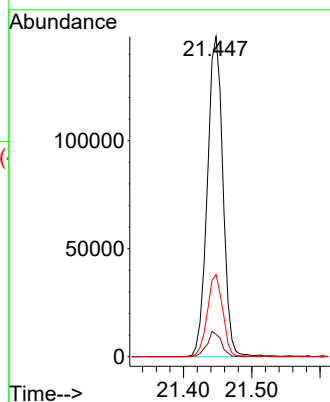
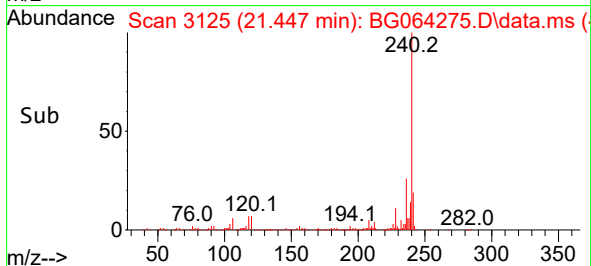
236 25.6 20.5 30.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#77

Benzidine

Concen: 15.181 ng

RT: 19.450 min Scan# 2785

Delta R.T. -0.007 min

Lab File: BG064275.D

Acq: 4 Sep 2025 6:07

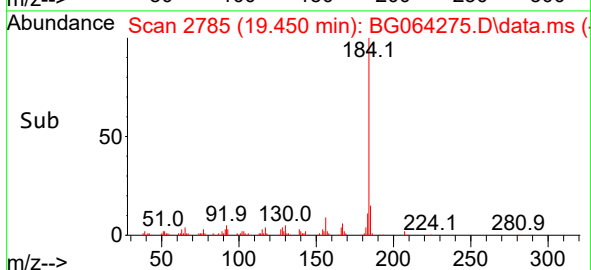
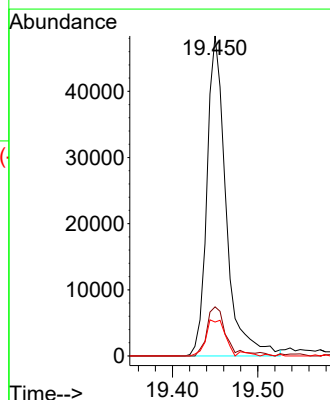
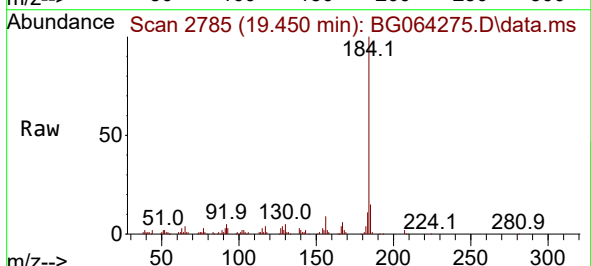
Tgt Ion:184 Resp: 75274

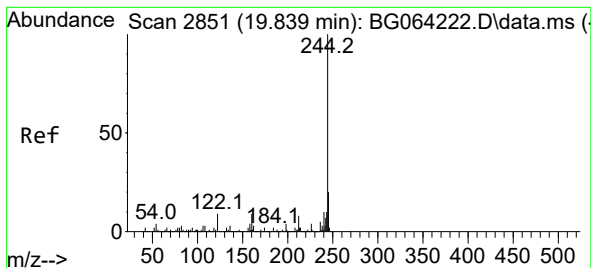
Ion Ratio Lower Upper

184 100

185 15.4 11.7 17.5

183 10.6 9.7 14.5





#79

Terphenyl-d14

Concen: 103.117 ng

RT: 19.838 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064275.D

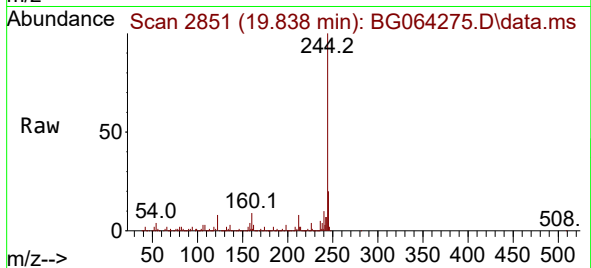
Acq: 4 Sep 2025 6:07

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT3-2025



Tgt Ion:244 Resp: 1164930

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

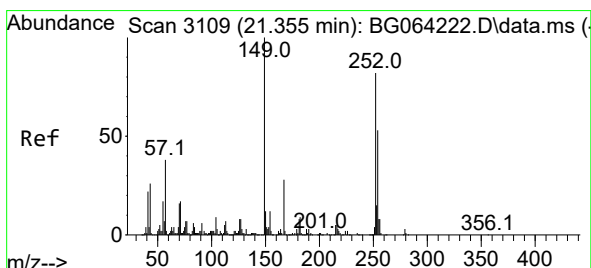
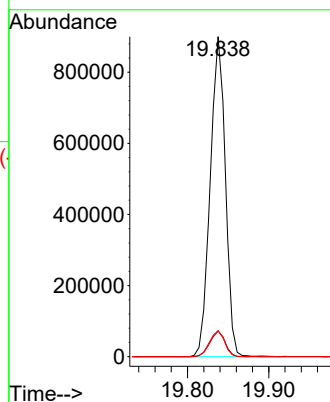
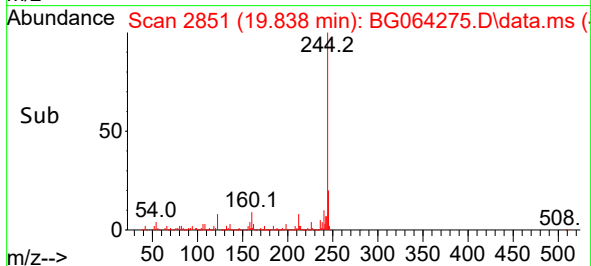
122 8.1 7.0 10.6

Manual Integrations

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Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#82

3,3'-Dichlorobenzidine

Concen: 12.296 ng

RT: 21.348 min Scan# 3108

Delta R.T. -0.013 min

Lab File: BG064275.D

Acq: 4 Sep 2025 6:07

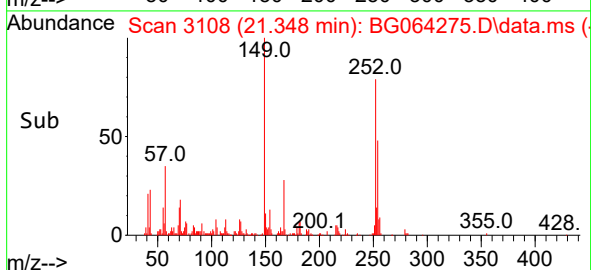
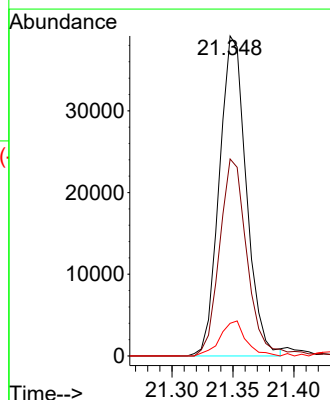
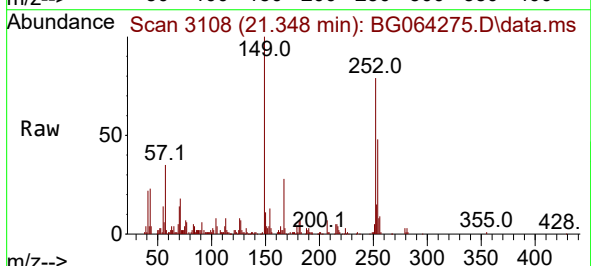
Tgt Ion:252 Resp: 60385

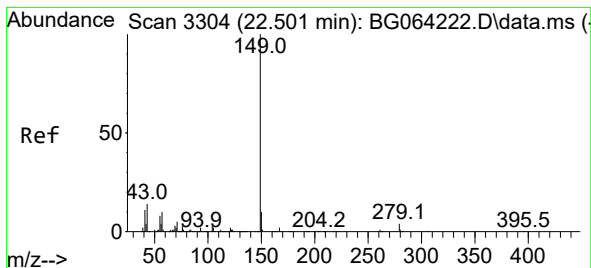
Ion Ratio Lower Upper

252 100

254 61.5 51.9 77.9

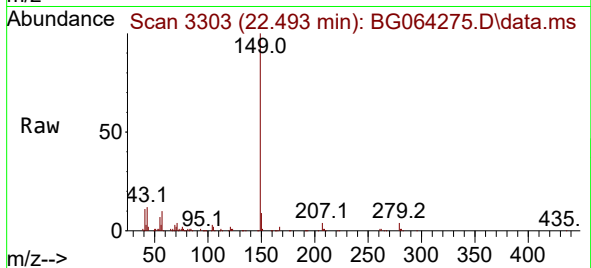
126 10.2 7.6 11.4





#85
Di-n-octyl phthalate
Concen: 10.884 ng
RT: 22.493 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

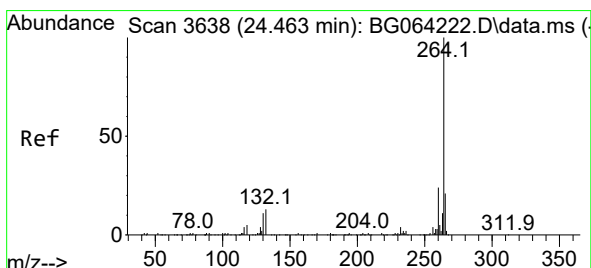
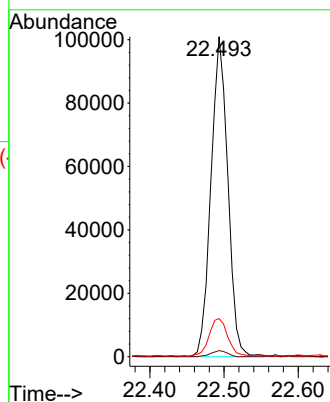
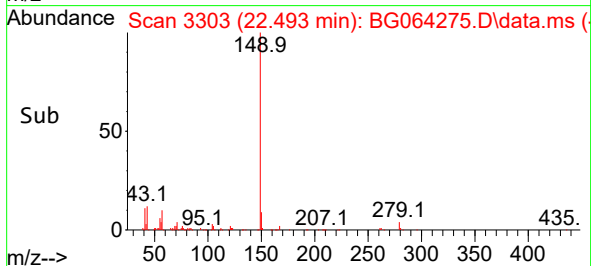
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:149 Resp: 159464
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 12.6 10.8 16.2

Manual Integrations
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Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.450 min Scan# 3636
Delta R.T. -0.013 min
Lab File: BG064275.D
Acq: 4 Sep 2025 6:07

Tgt Ion:264 Resp: 254606
Ion Ratio Lower Upper
264 100
260 22.5 18.9 28.3
265 22.3 16.7 25.1

