

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064273.D
 Acq On : 4 Sep 2025 4:46
 Operator : RC/JU
 Sample : Q2126-08
 Misc : LOQ-WATER 10PPM
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: Sep 04 07:10:37 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	7.856	152	27651	20.000	ng	0.00
21) Naphthalene-d8	10.641	136	136537	20.000	ng	# 0.00
39) Acenaphthene-d10	14.477	164	113731	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	270938	20.000	ng	0.00
76) Chrysene-d12	21.446	240	203796	20.000	ng	0.00
86) Perylene-d12	24.454	264	225134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.441	112	204936	132.970	ng	0.00
7) Phenol-d6	7.027	99	315959	149.222	ng	0.00
23) Nitrobenzene-d5	9.007	82	252114	102.979	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	227155	150.791	ng	0.00
45) 2-Fluorobiphenyl	13.103	172	698530	93.748	ng	0.00
79) Terphenyl-d14	19.836	244	1078464	110.407	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.661	42	13578	10.856	ng	# 89
9) Benzaldehyde	6.998	77	19600	11.248	ng	91
15) Benzyl Alcohol	8.085	79	22373	11.450	ng	95
20) 3+4-Methylphenols	8.620	107	26971	11.157	ng	97
32) Benzoic acid	9.918	122	11177m	7.256	ng	
35) Caprolactam	11.546	113	8825	11.132	ng	# 85
41) Hexachlorocyclopentadiene	12.656	237	19090	12.240	ng	94
54) 2,4-Dinitrophenol	14.583	184	7827	12.332	ng	93
56) 4-Nitrophenol	14.689	139	12578	8.784	ng	88
65) 4,6-Dinitro-2-methylph...	15.600	198	15547	9.995	ng	89
70) Pentachlorophenol	16.869	266	18228	9.407	ng	# 91
77) Benzidine	19.454	184	62661	14.616	ng	98
82) 3,3'-Dichlorobenzidine	21.352	252	53208	12.531	ng	98
85) Di-n-octyl phthalate	22.497	149	140424	11.085	ng	98

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

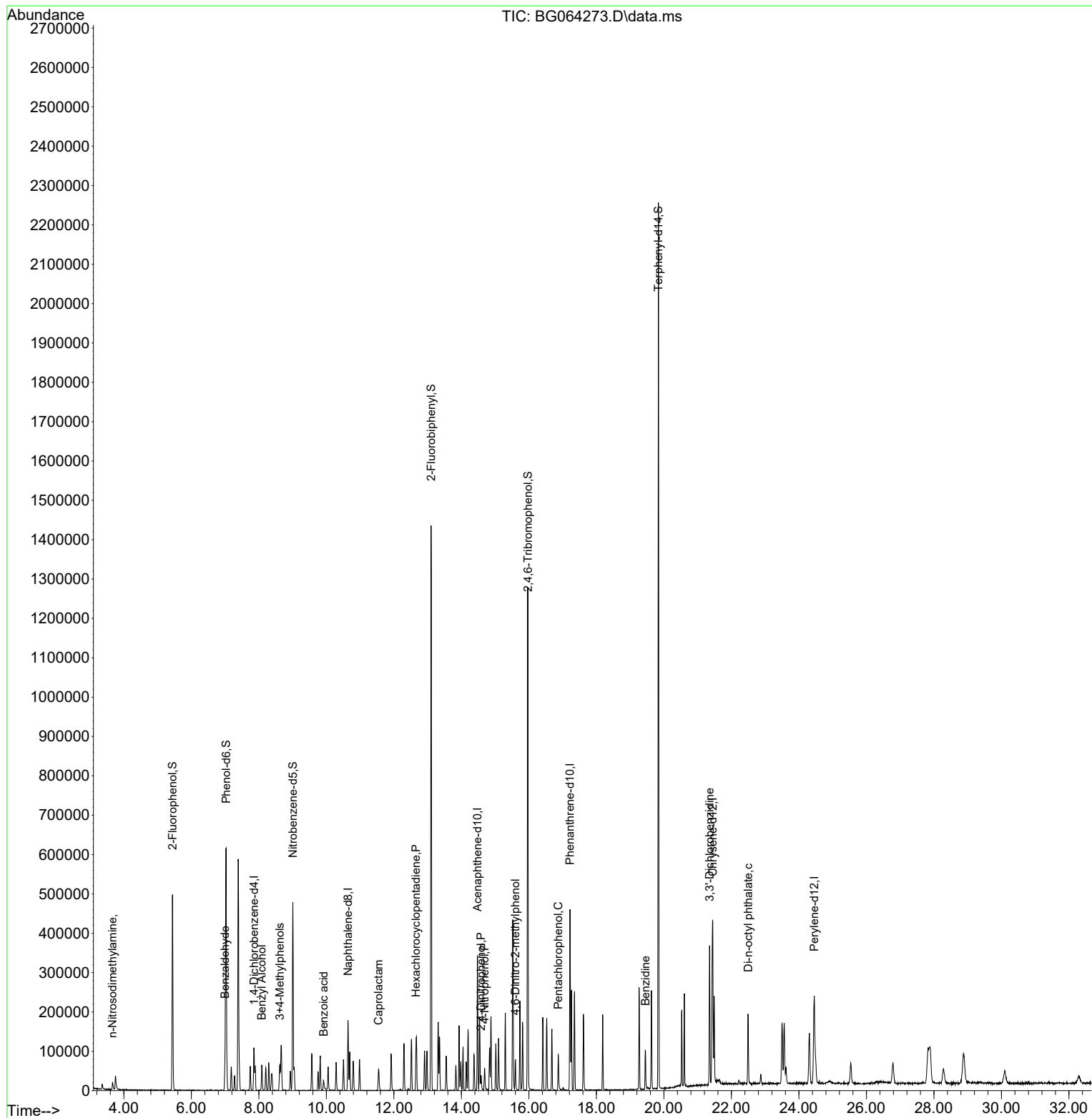
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
Data File : BG064273.D
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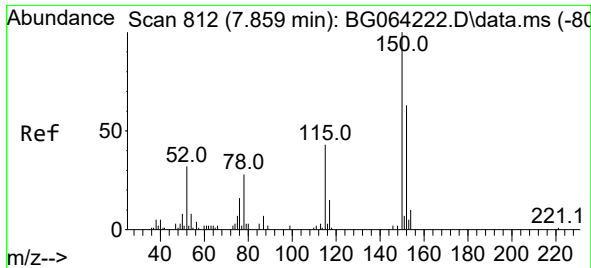
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025

Quant Time: Sep 04 07:10:37 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
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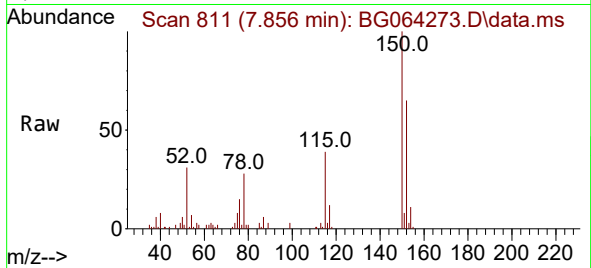
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.856 min Scan# 812
Delta R.T. -0.003 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

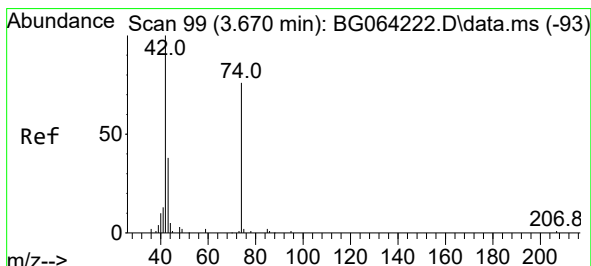
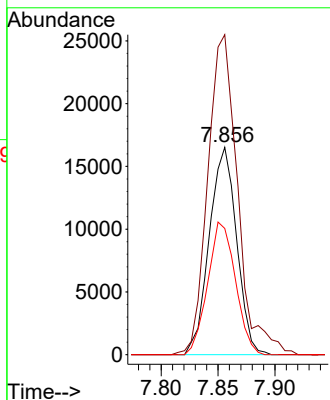
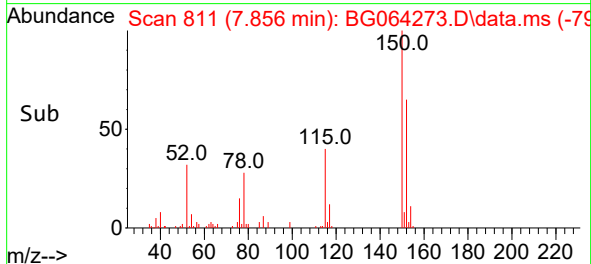
Instrument : BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 152 Resp: 2765
Ion Ratio Lower Upper
152 100
150 154.3 128.0 192.0
115 60.9 55.7 83.5

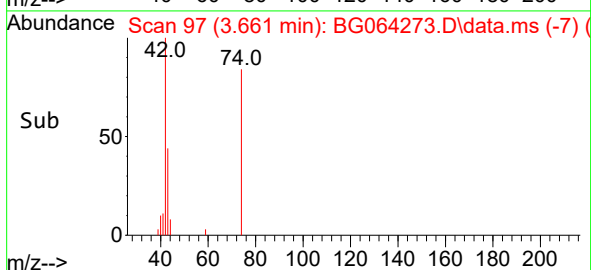
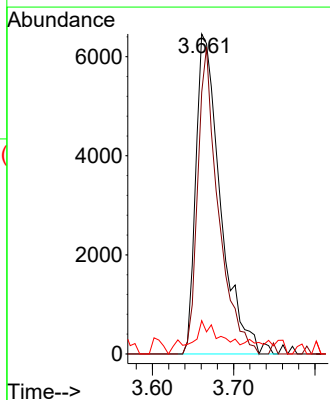
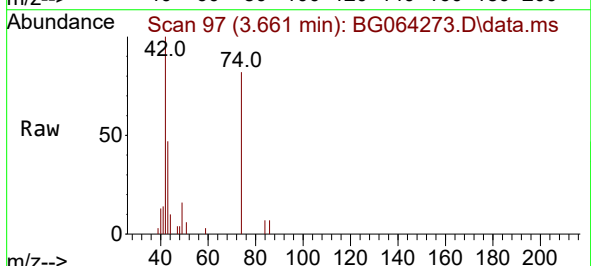
Manual Integrations
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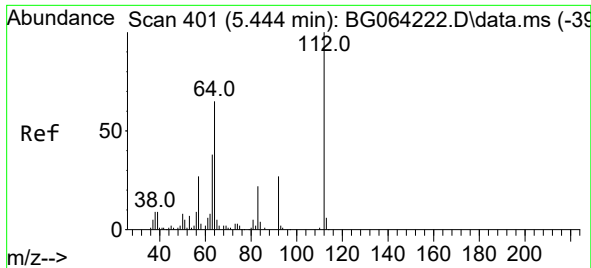
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#4
n-Nitrosodimethylamine
Concen: 10.856 ng
RT: 3.661 min Scan# 97
Delta R.T. -0.003 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

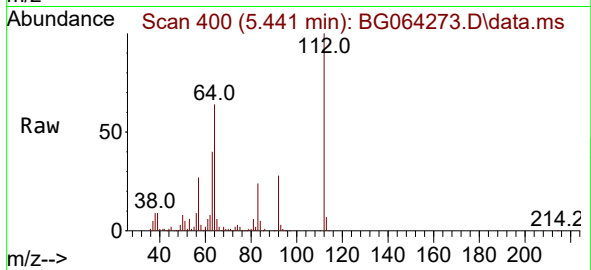
Tgt Ion: 42 Resp: 13578
Ion Ratio Lower Upper
42 100
74 81.8 58.0 87.0
44 10.4 5.5 8.3





#5
2-Fluorophenol
Concen: 132.970 ng
RT: 5.441 min Scan# 401
Delta R.T. -0.003 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

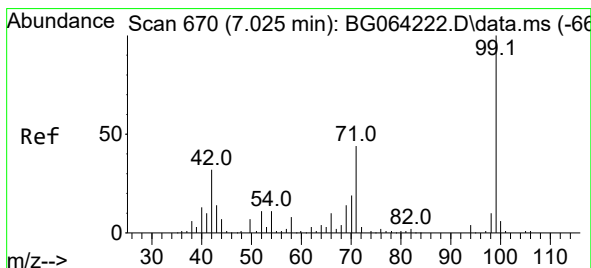
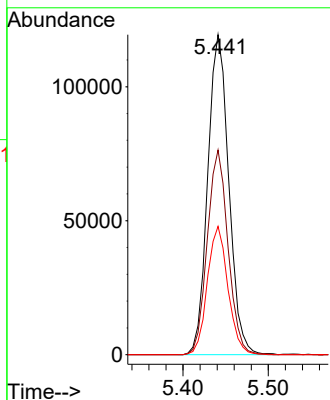
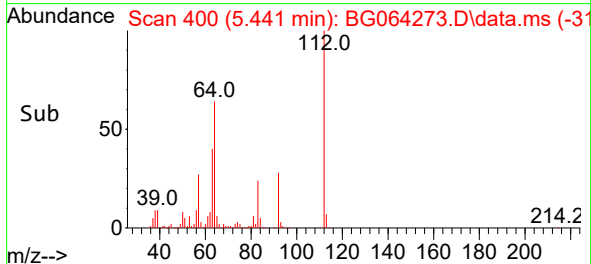
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion:112 Resp: 204930
Ion Ratio Lower Upper
112 100
64 64.0 51.8 77.6
63 40.1 30.6 45.8

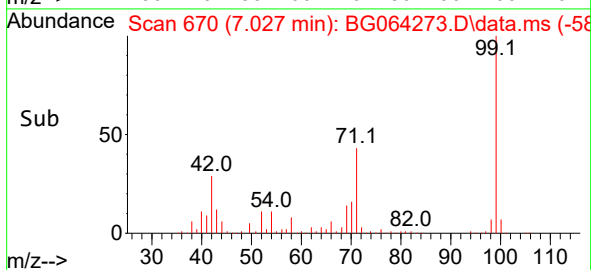
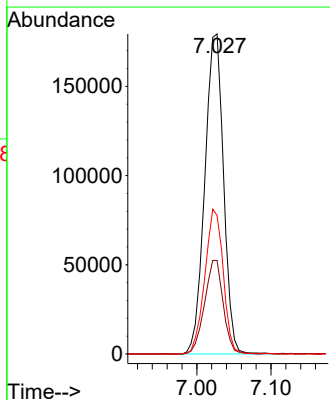
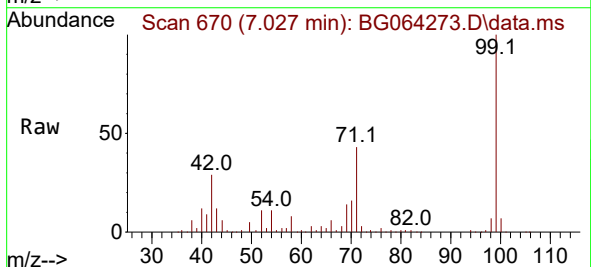
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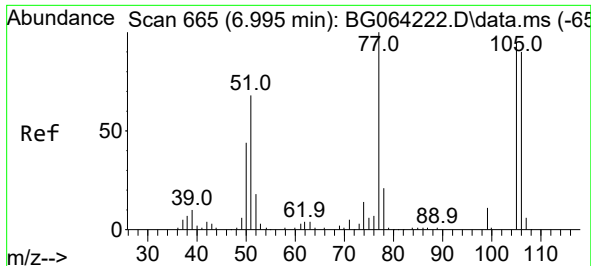
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#7
Phenol-d6
Concen: 149.222 ng
RT: 7.027 min Scan# 670
Delta R.T. -0.003 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

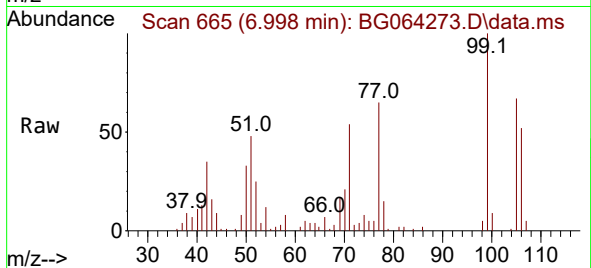
Tgt Ion: 99 Resp: 315959
Ion Ratio Lower Upper
99 100
42 29.2 25.8 38.8
71 43.3 35.2 52.8





#9
Benzaldehyde
Concen: 11.248 ng
RT: 6.998 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

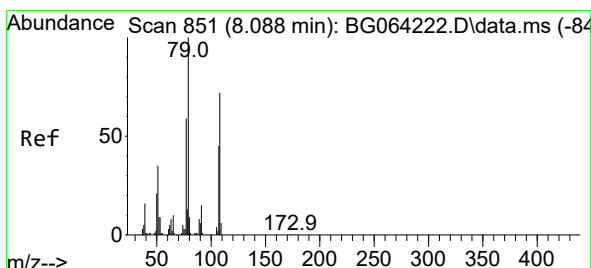
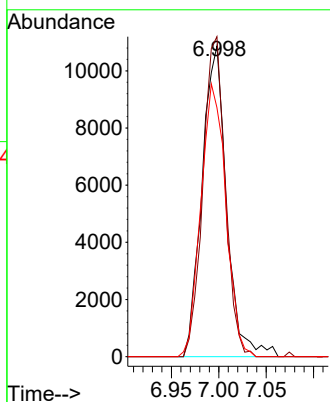
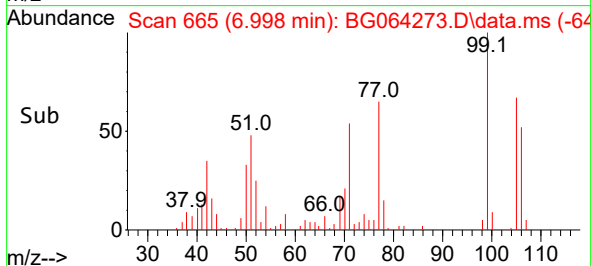
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 77 Resp: 19600
Ion Ratio Lower Upper
77 100
105 103.0 75.2 115.2
106 80.2 69.6 109.6

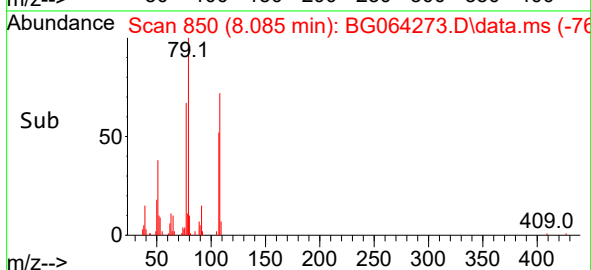
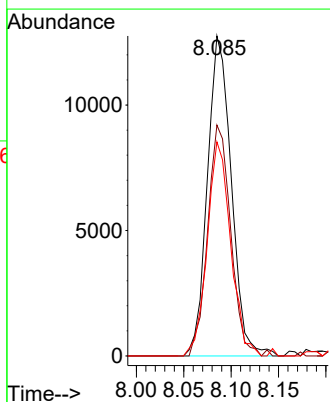
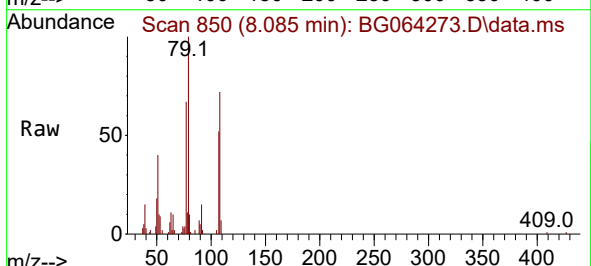
Manual Integrations
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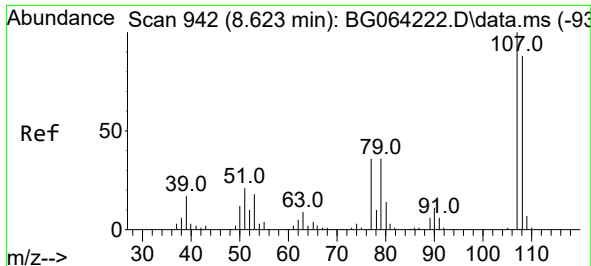
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#15
Benzyl Alcohol
Concen: 11.450 ng
RT: 8.085 min Scan# 850
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

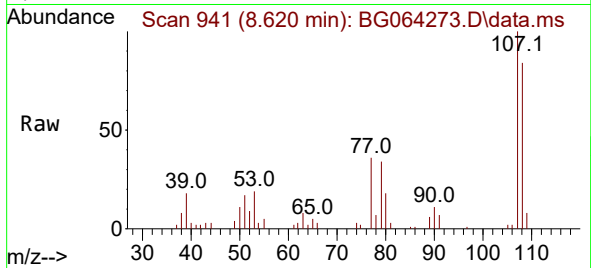
Tgt Ion: 79 Resp: 22373
Ion Ratio Lower Upper
79 100
108 72.1 57.4 86.0
77 66.9 47.2 70.8





#20
3+4-Methylphenols
Concen: 11.157 ng
RT: 8.620 min Scan# 942
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

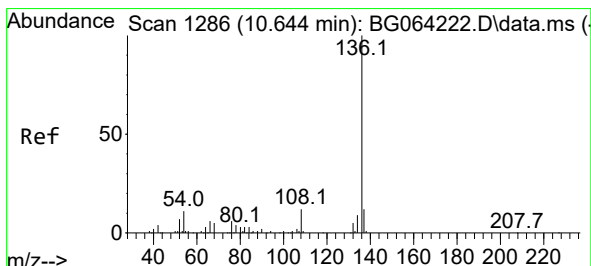
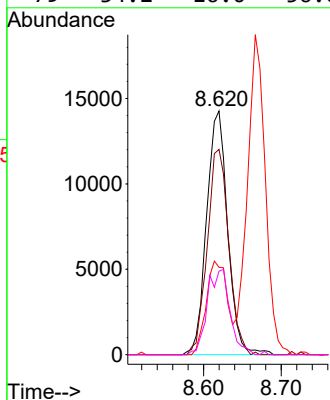
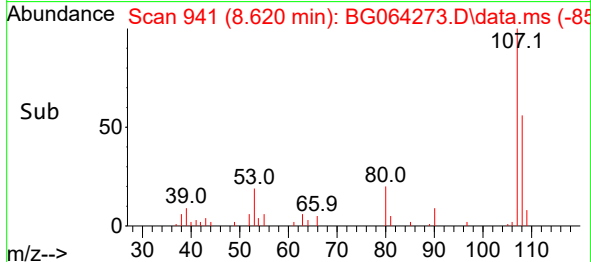
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



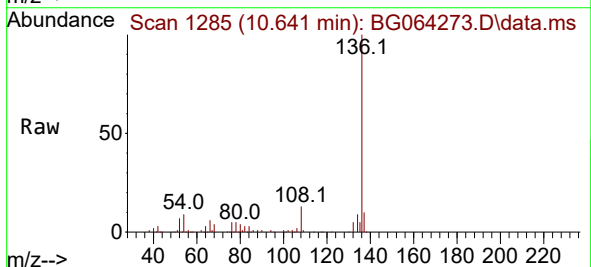
Tgt Ion:107 Resp: 2697
Ion Ratio Lower Upper
107 100
108 84.2 68.1 108.1
77 35.9 15.9 55.9
79 34.2 16.0 56.0

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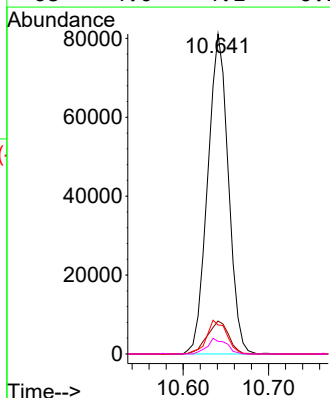
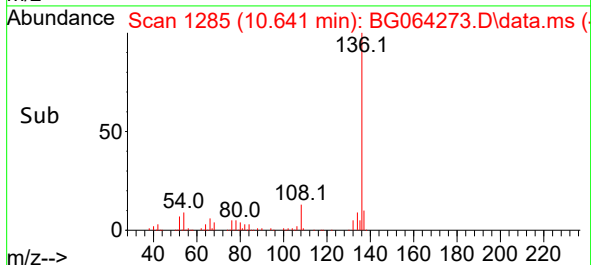
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

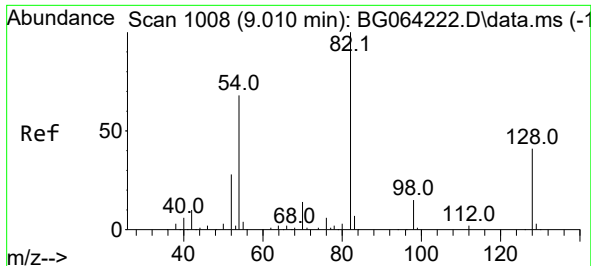


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.641 min Scan# 1285
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46



Tgt Ion:136 Resp: 136537
Ion Ratio Lower Upper
136 100
137 10.3 9.6 14.4
54 9.1 8.8 13.2
68 4.0 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 102.979 ng

RT: 9.007 min Scan# 1100

Delta R.T. -0.009 min

Lab File: BG064273.D

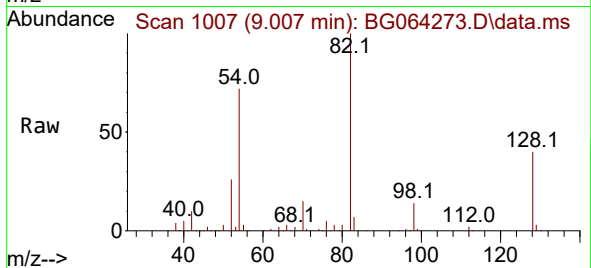
Acq: 4 Sep 2025 4:46

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT2-2025



Tgt Ion: 82 Resp: 252114

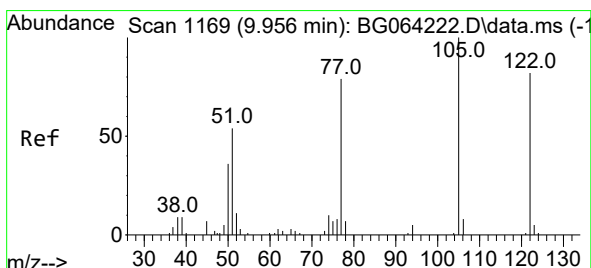
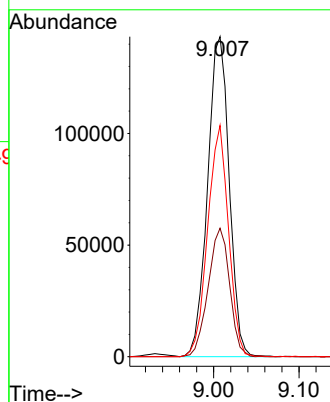
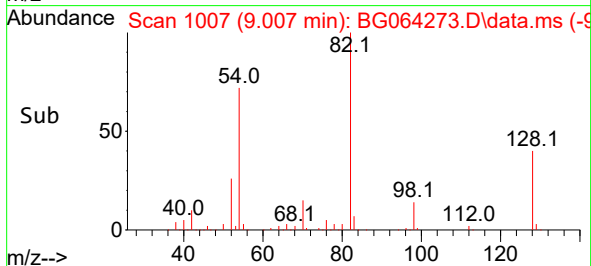
Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.6	48.8
54	72.2	54.7	82.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/04/2025



#32

Benzoic acid

Concen: 7.256 ng m

RT: 9.918 min Scan# 1162

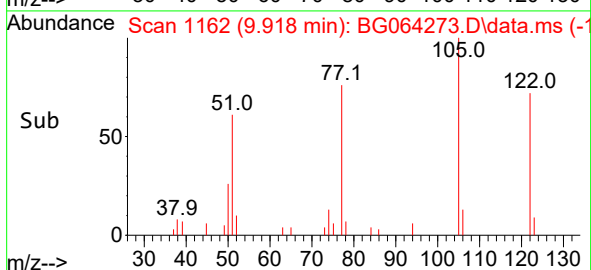
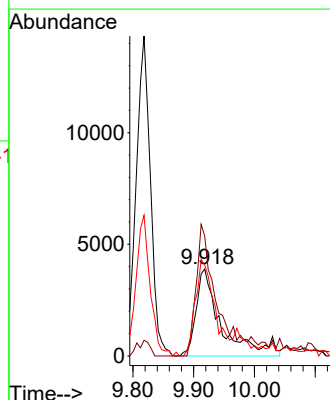
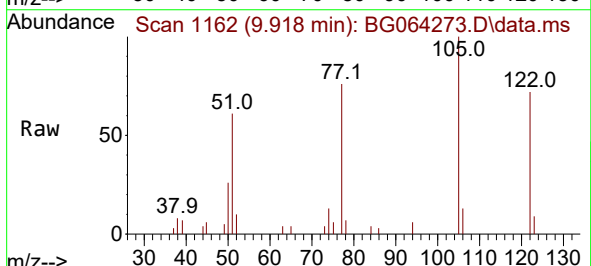
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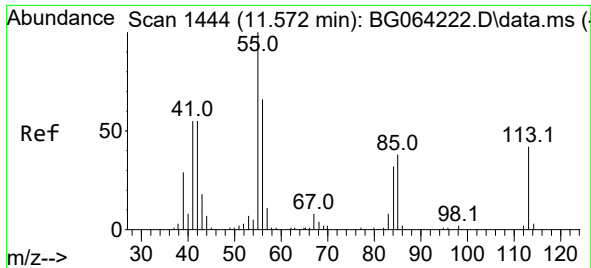
Lab File: BG064273.D

Acq: 4 Sep 2025 4:46

Tgt Ion:122 Resp: 11177

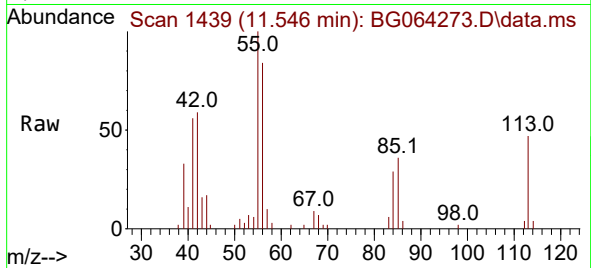
Ion	Ratio	Lower	Upper
122	100		
105	138.1	98.5	138.5
77	105.0	74.6	114.6





#35
Caprolactam
Concen: 11.132 ng
RT: 11.546 min Scan# 1444
Delta R.T. -0.056 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

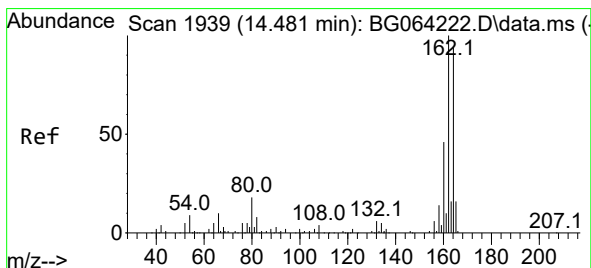
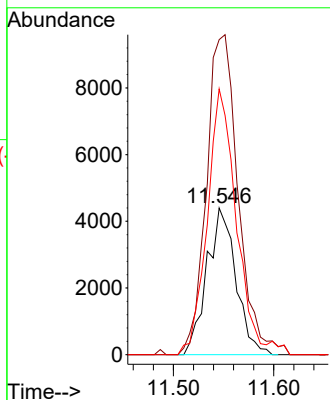
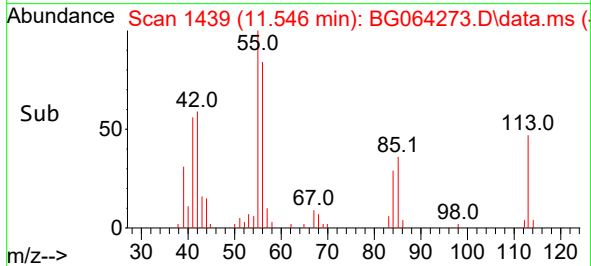
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



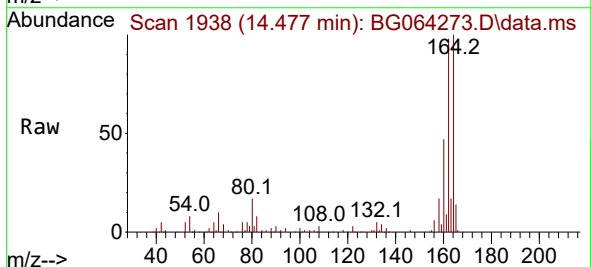
Tgt Ion:113 Resp: 8825
Ion Ratio Lower Upper
113 100
55 214.8 218.5 258.5
56 181.2 138.5 178.5

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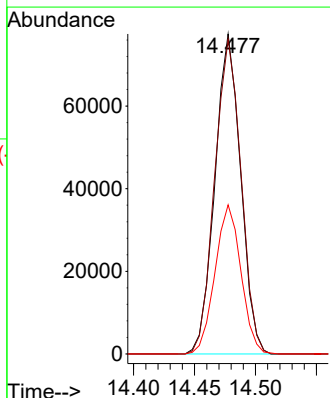
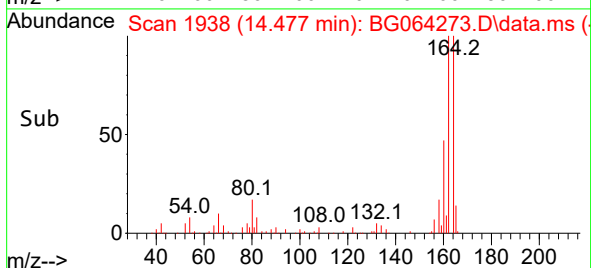
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

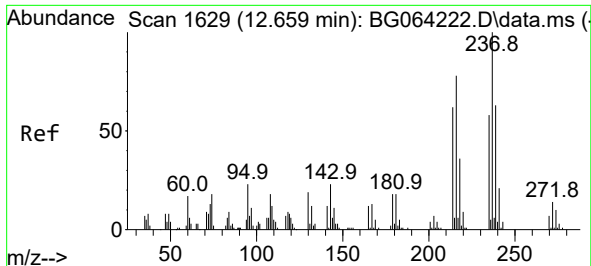


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.477 min Scan# 1938
Delta R.T. -0.004 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46



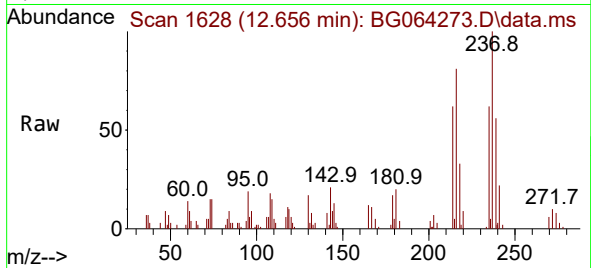
Tgt Ion:164 Resp: 113731
Ion Ratio Lower Upper
164 100
162 98.4 85.4 128.0
160 46.6 39.2 58.8





#41
Hexachlorocyclopentadiene
Concen: 12.240 ng
RT: 12.656 min Scan# 1628
Delta R.T. -0.003 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

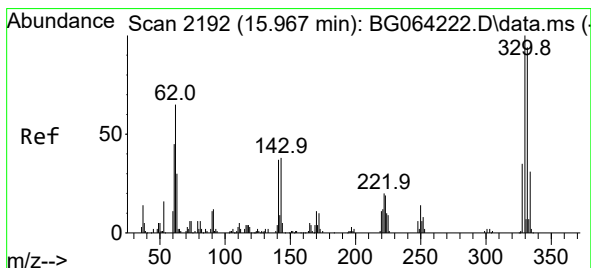
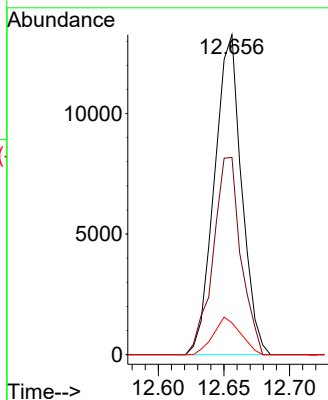
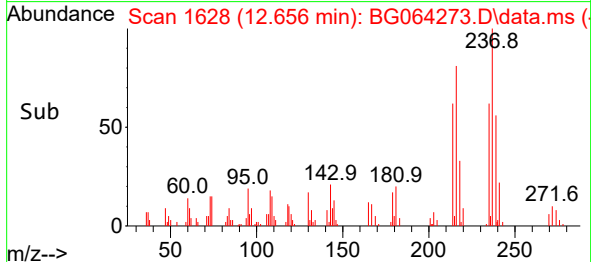
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 237 Resp: 19090
Ion Ratio Lower Upper
237 100
235 61.7 37.9 77.9
272 9.9 0.0 33.8

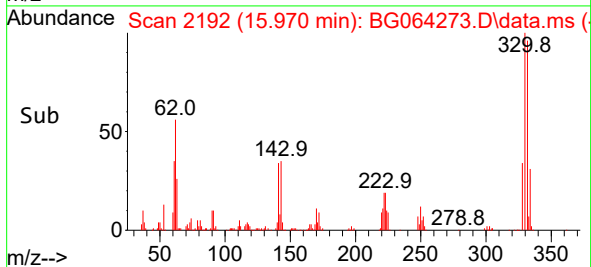
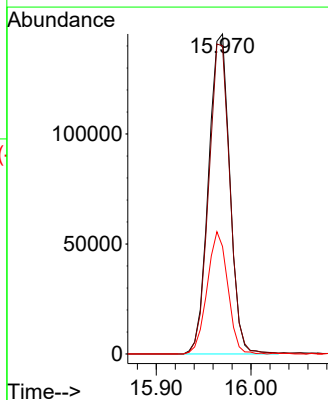
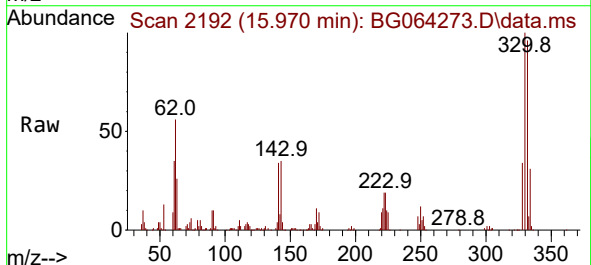
Manual Integrations
APPROVED

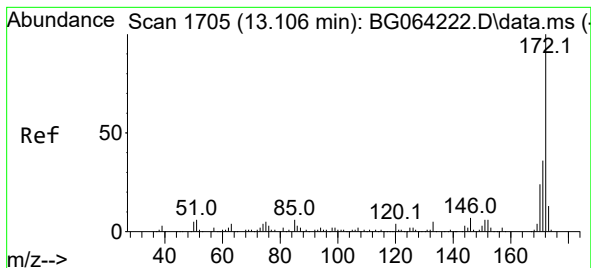
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#42
2,4,6-Tribromophenol
Concen: 150.791 ng
RT: 15.970 min Scan# 2192
Delta R.T. -0.003 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

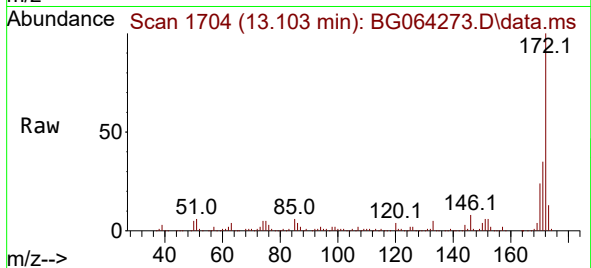
Tgt Ion: 330 Resp: 227155
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 37.0 29.8 44.6





#45
2-Fluorobiphenyl
Concen: 93.748 ng
RT: 13.103 min Scan# 1704
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

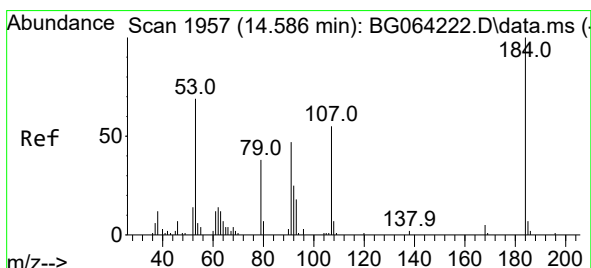
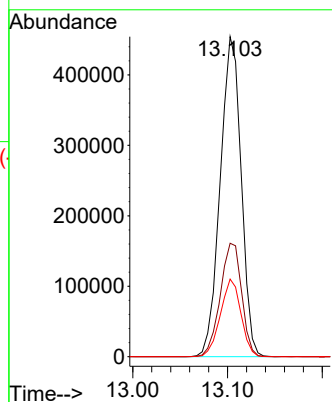
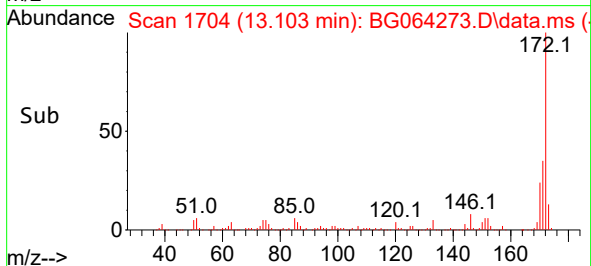
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion:172 Resp: 698530
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 24.3 19.0 28.6

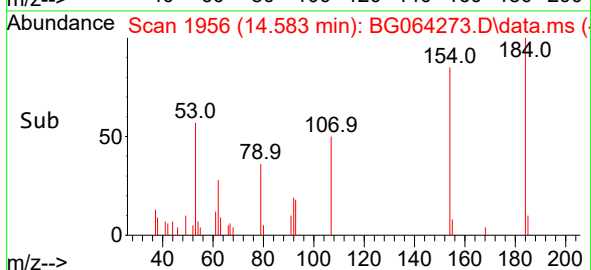
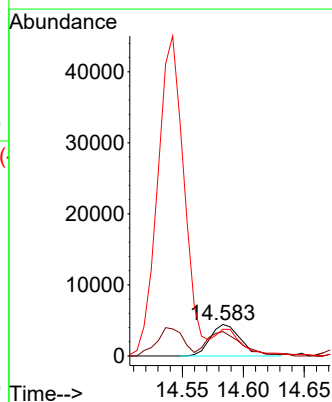
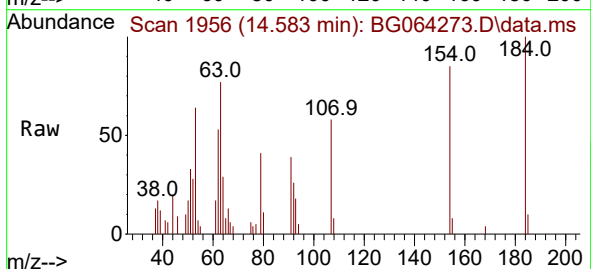
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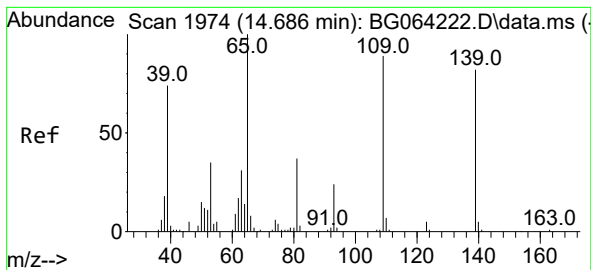
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#54
2,4-Dinitrophenol
Concen: 12.332 ng
RT: 14.583 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

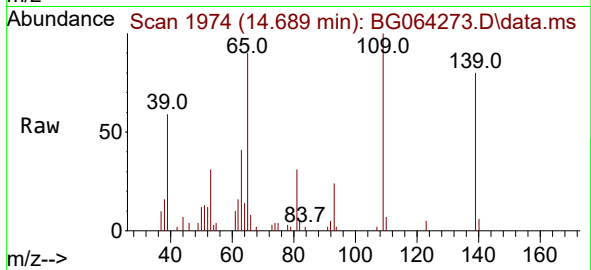
Tgt Ion:184 Resp: 7827
Ion Ratio Lower Upper
184 100
63 77.2 60.1 90.1
154 85.0 59.8 89.8





#56
4-Nitrophenol
Concen: 8.784 ng
RT: 14.689 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

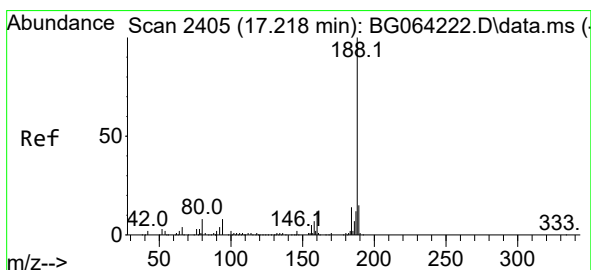
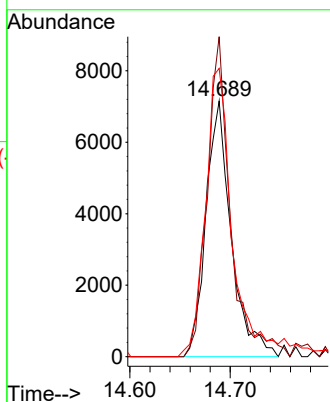
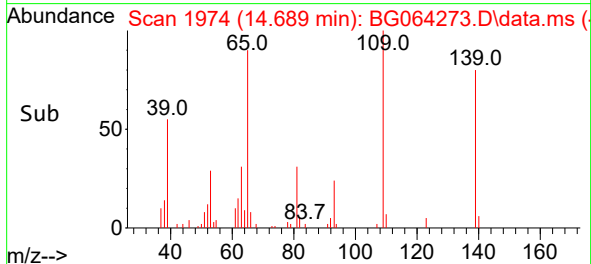
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion:139 Resp: 12578
Ion Ratio Lower Upper
139 100
109 125.1 89.1 129.1
65 112.7 102.9 142.9

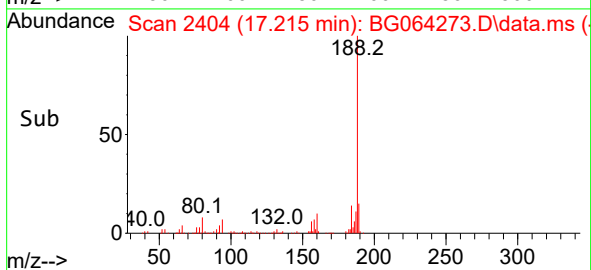
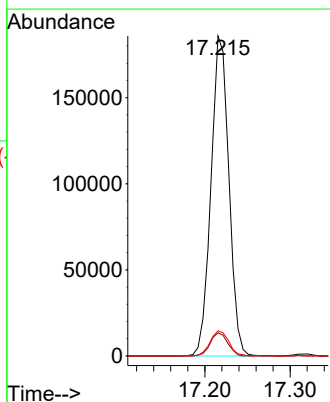
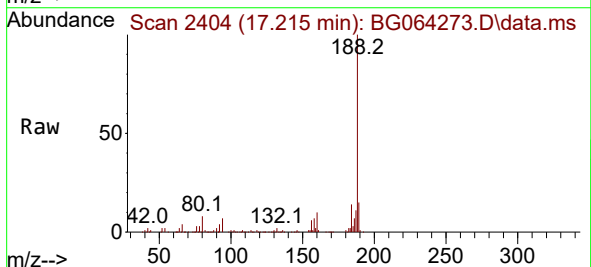
Manual Integrations
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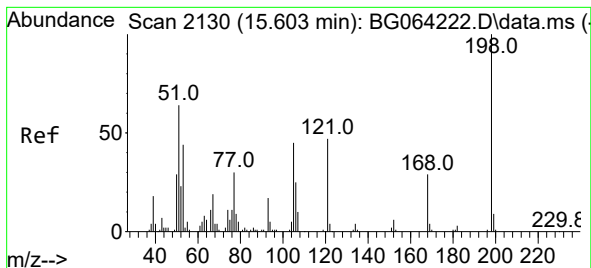
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2404
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

Tgt Ion:188 Resp: 270938
Ion Ratio Lower Upper
188 100
94 7.2 6.2 9.4
80 7.9 6.8 10.2





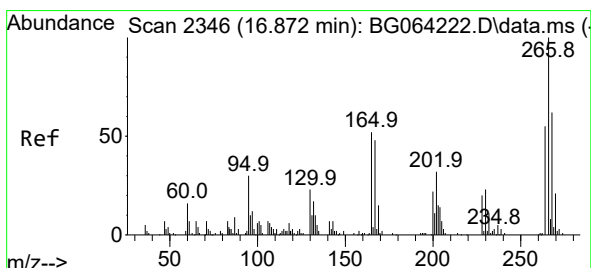
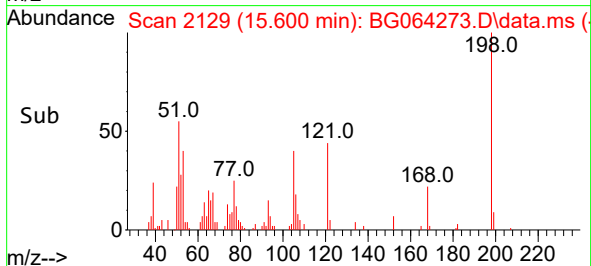
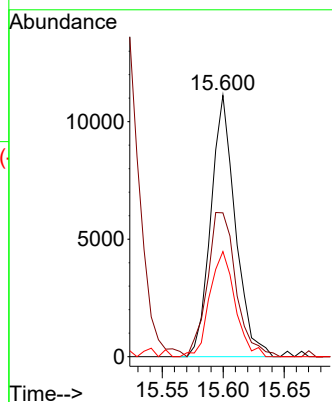
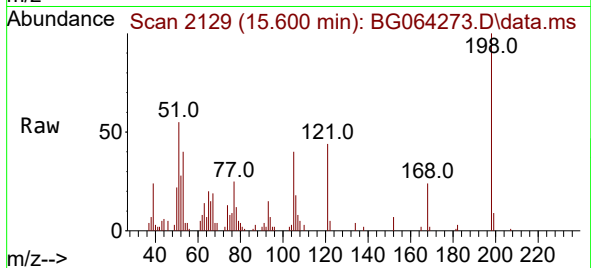
#65
4,6-Dinitro-2-methylphenol
Concen: 9.995 ng
RT: 15.600 min Scan# 2130
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion:198 Resp: 1554
Ion Ratio Lower Upper
198 100
51 55.1 46.2 86.2
105 40.2 25.0 65.0

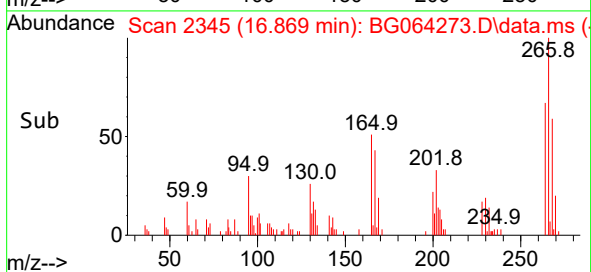
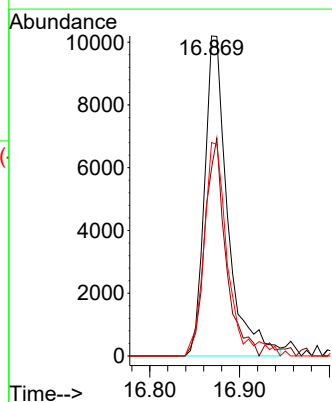
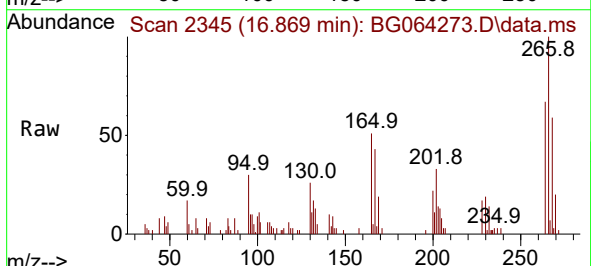
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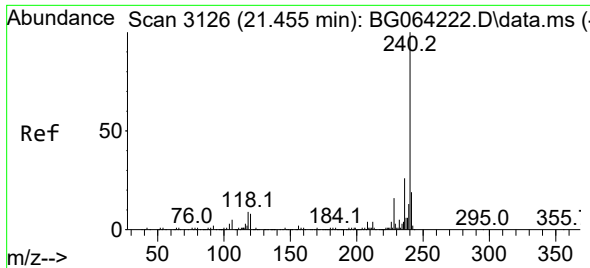
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#70
Pentachlorophenol
Concen: 9.407 ng
RT: 16.869 min Scan# 2345
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

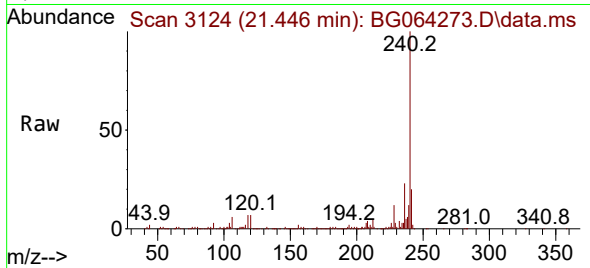
Tgt Ion:266 Resp: 18228
Ion Ratio Lower Upper
266 100
268 58.7 49.4 74.0
264 66.7 44.3 66.5#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.446 min Scan# 3126
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

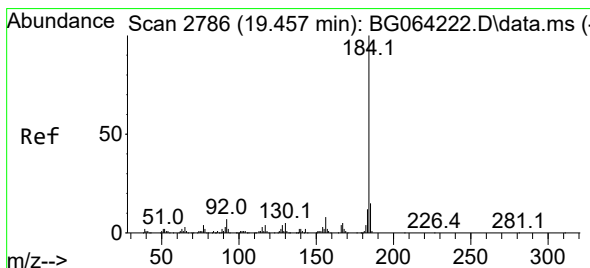
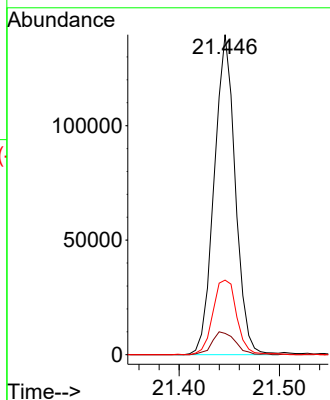
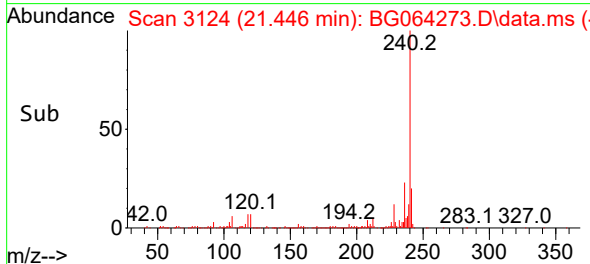
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion:240 Resp: 203790
Ion Ratio Lower Upper
240 100
120 6.7 6.2 9.4
236 23.3 20.5 30.7

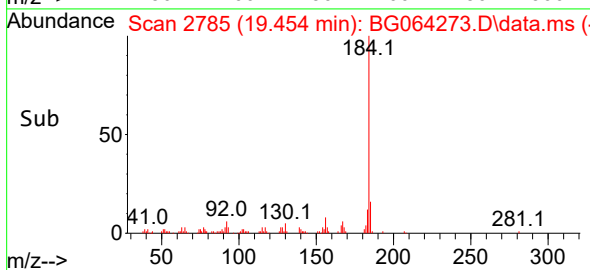
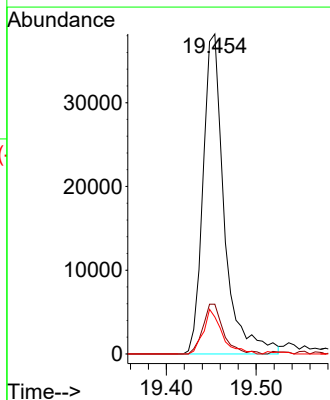
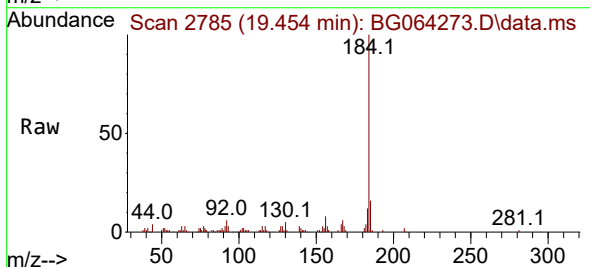
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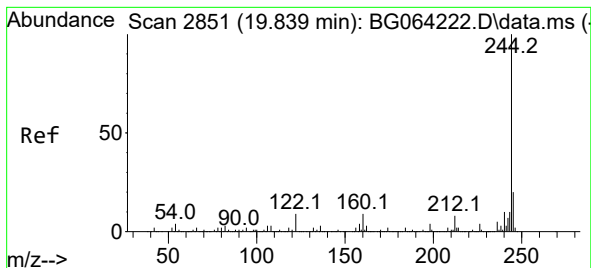
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#77
Benzidine
Concen: 14.616 ng
RT: 19.454 min Scan# 2785
Delta R.T. -0.003 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

Tgt Ion:184 Resp: 62661
Ion Ratio Lower Upper
184 100
185 15.6 11.7 17.5
183 11.6 9.7 14.5





#79

Terphenyl-d14

Concen: 110.407 ng

RT: 19.836 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG064273.D

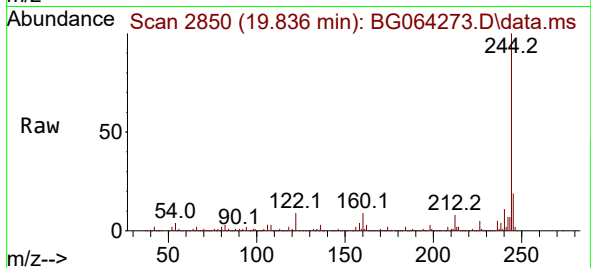
Acq: 4 Sep 2025 4:46

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT2-2025



Tgt Ion:244 Resp: 107846

Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

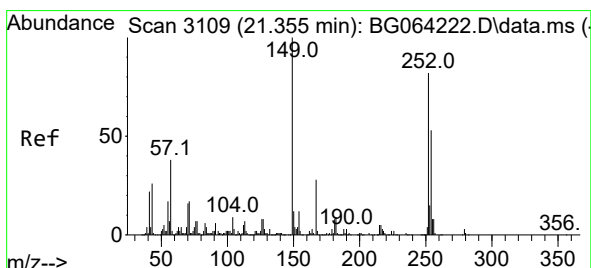
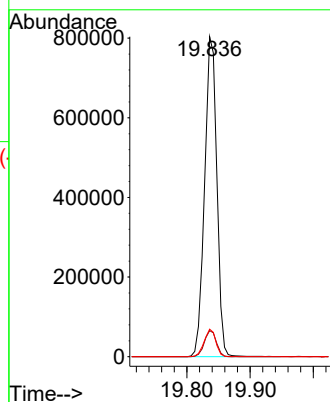
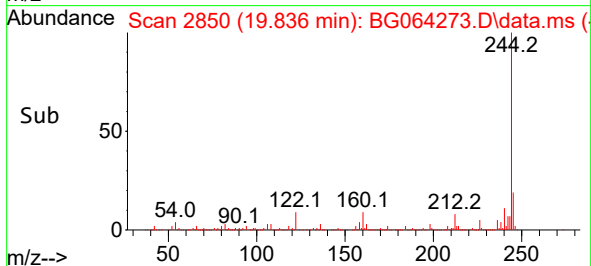
122 8.6 7.0 10.6

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: 12.531 ng

RT: 21.352 min Scan# 3108

Delta R.T. -0.009 min

Lab File: BG064273.D

Acq: 4 Sep 2025 4:46

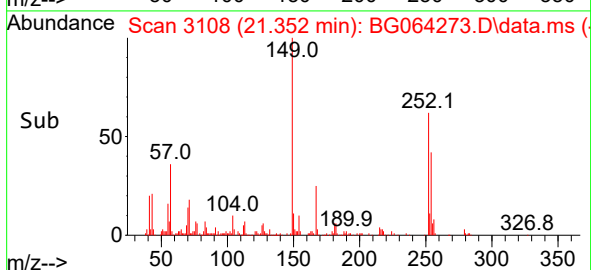
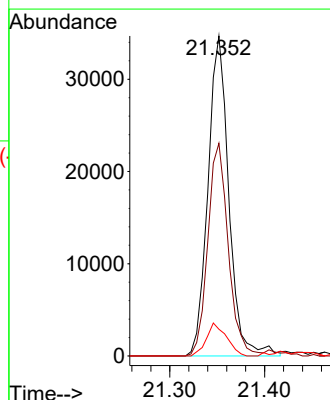
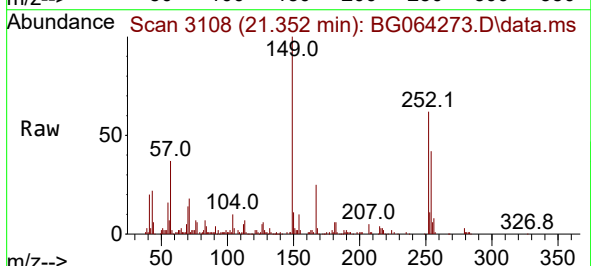
Tgt Ion:252 Resp: 53208

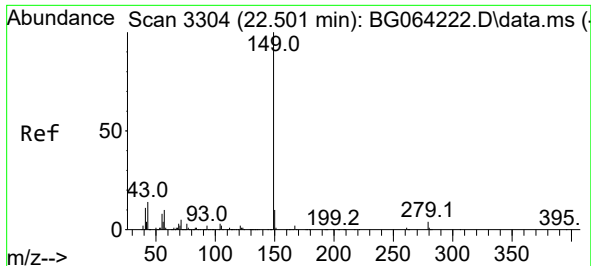
Ion Ratio Lower Upper

252 100

254 66.5 51.9 77.9

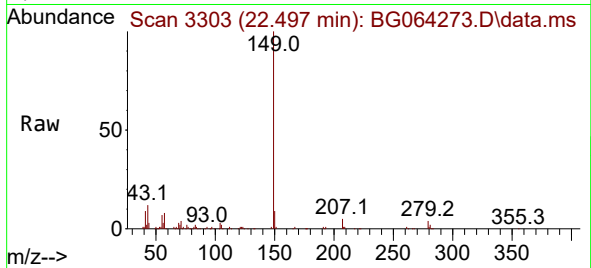
126 8.3 7.6 11.4





#85
Di-n-octyl phthalate
Concen: 11.085 ng
RT: 22.497 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

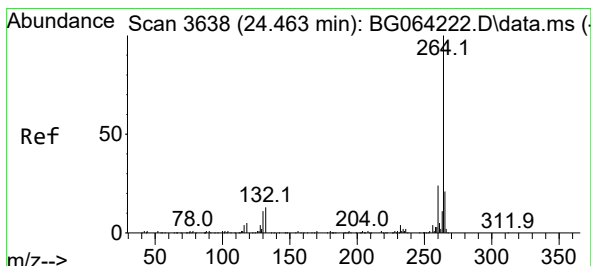
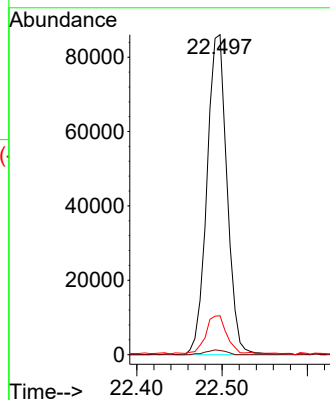
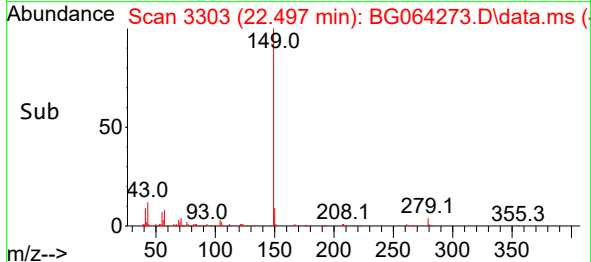
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion:149 Resp: 140424
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.8 10.8 16.2

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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: 24.454 min Scan# 3636
Delta R.T. -0.009 min
Lab File: BG064273.D
Acq: 4 Sep 2025 4:46

Tgt Ion:264 Resp: 225134
Ion Ratio Lower Upper
264 100
260 25.3 18.9 28.3
265 21.4 16.7 25.1

