

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
 Data File : BG064005.D
 Acq On : 5 Feb 2025 19:07
 Operator : RC/JU
 Sample : Q1168-08
 Misc : LOQ-WATER 10PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Quant Time: Feb 06 01:47:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 01:47:15 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	60703	20.000	ng	0.00
21) Naphthalene-d8	10.662	136	261381	20.000	ng	0.00
39) Acenaphthene-d10	14.493	164	177789	20.000	ng	0.00
64) Phenanthrene-d10	17.237	188	396931	20.000	ng	0.00
76) Chrysene-d12	21.473	240	418739	20.000	ng	0.00
86) Perylene-d12	24.499	264	432857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	362393	95.717	ng	0.00
7) Phenol-d6	7.037	99	499704	96.176	ng	0.00
23) Nitrobenzene-d5	9.023	82	328287	76.332	ng	0.00
42) 2,4,6-Tribromophenol	15.979	330	188439	96.243	ng	0.00
45) 2-Fluorobiphenyl	13.124	172	770860	66.431	ng	0.00
79) Terphenyl-d14	19.857	244	1332334	66.450	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.694	42	23020	8.245	ng	# 89
9) Benzaldehyde	7.013	77	33335	11.752	ng	95
15) Benzyl Alcohol	8.106	79	31755	8.177	ng	# 83
20) 3+4-Methylphenols	8.629	107	38826	8.239	ng	94
32) Benzoic acid	9.910	122	13175m	8.211	ng	
35) Caprolactam	11.543	113	10683	8.601	ng	97
41) Hexachlorocyclopentadiene	12.677	237	10937	8.242	ng	94
54) 2,4-Dinitrophenol	14.593	184	4556	8.948	ng	96
56) 4-Nitrophenol	14.687	139	15308	8.503	ng	# 78
65) 4,6-Dinitro-2-methylph...	15.609	198	8325	9.193	ng	96
70) Pentachlorophenol	16.884	266	22253	9.346	ng	93
77) Benzidine	19.469	184	77946	8.742	ng	96
85) Di-n-octyl phthalate	22.554	149	180858	8.633	ng	99

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

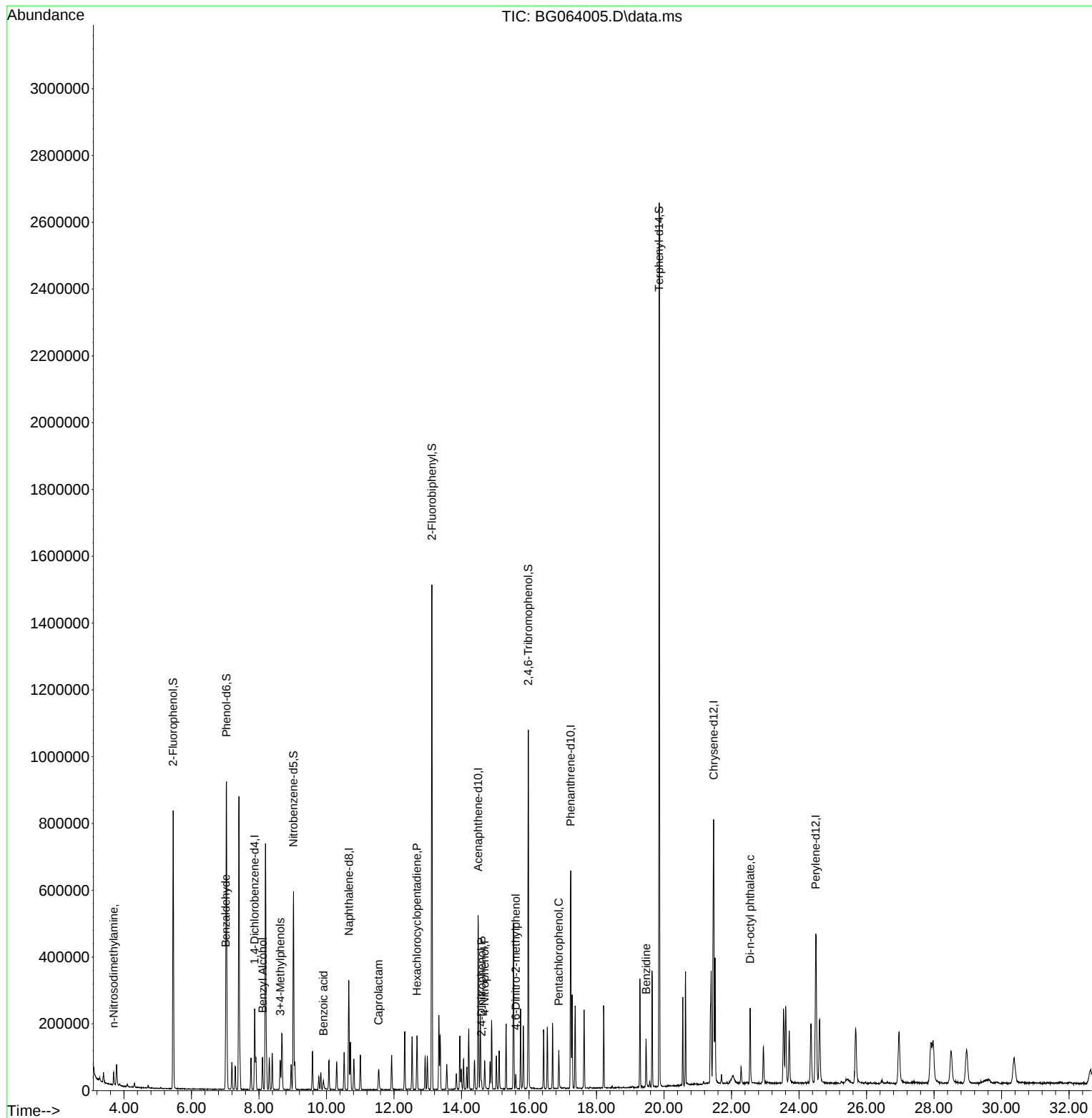
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG064005.D
Acq On : 5 Feb 2025 19:07
Operator : RC/JU
Sample : Q1168-08
Misc : LOQ-WATER 10PPM
ALS Vial : 15 Sample Multiplier: 1

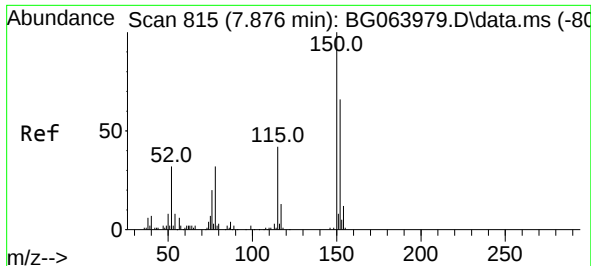
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025

Quant Time: Feb 06 01:47:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 01:47:15 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

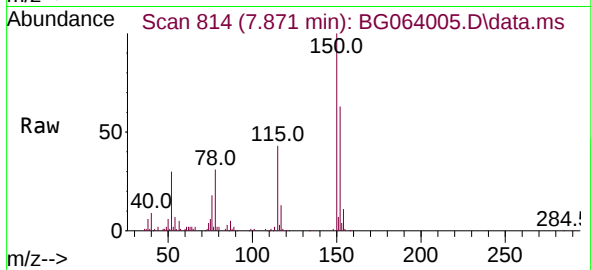
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.871 min Scan# 815
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

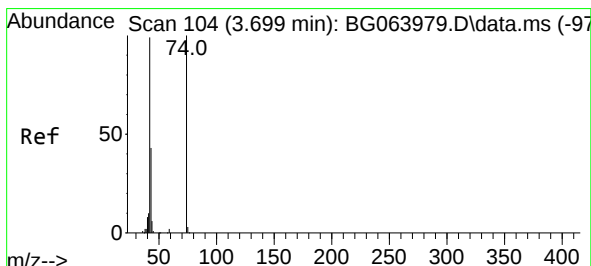
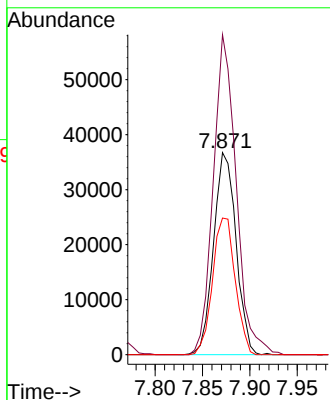
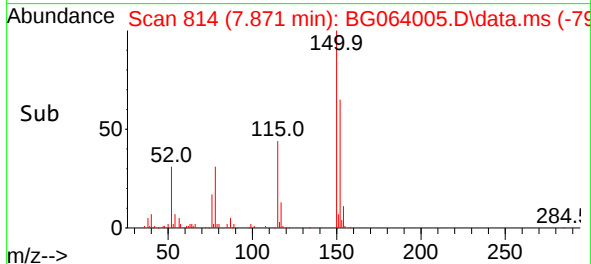
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:152 Resp: 6070
Ion Ratio Lower Upper
152 100
150 158.4 121.0 181.6
115 67.6 50.4 75.6

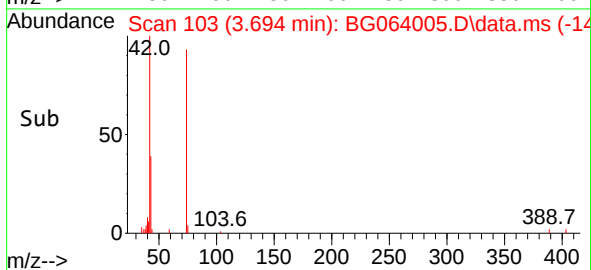
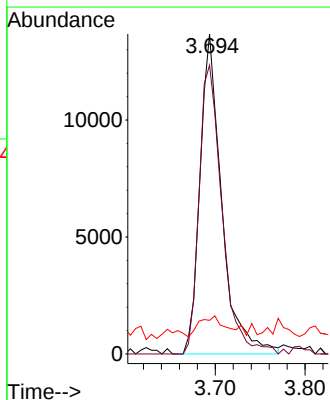
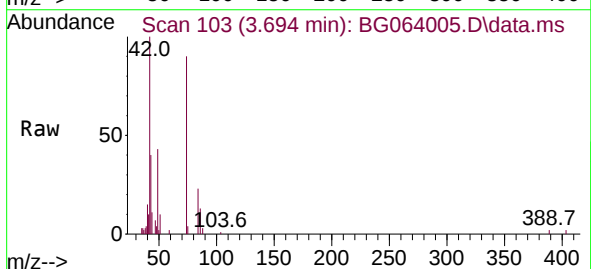
Manual Integrations
APPROVED

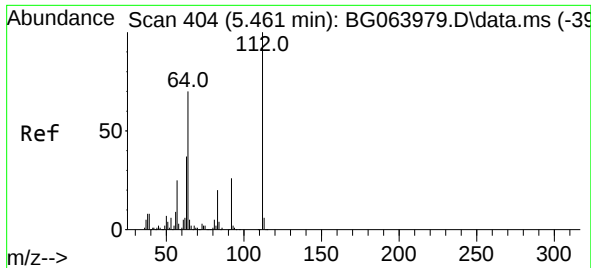
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#4
n-Nitrosodimethylamine
Concen: 8.245 ng
RT: 3.694 min Scan# 103
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

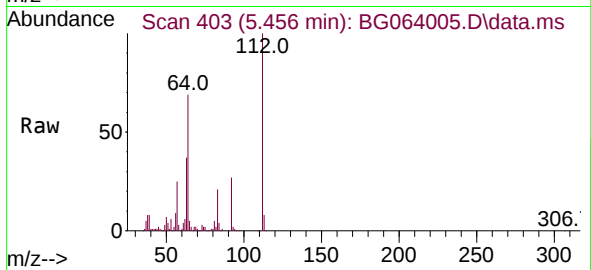
Tgt Ion: 42 Resp: 23020
Ion Ratio Lower Upper
42 100
74 90.3 80.8 121.2
44 10.5 5.8 8.6





#5
2-Fluorophenol
Concen: 95.717 ng
RT: 5.456 min Scan# 404
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

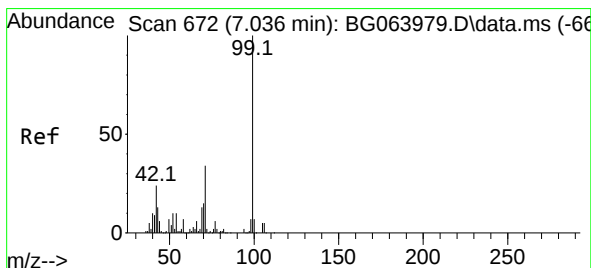
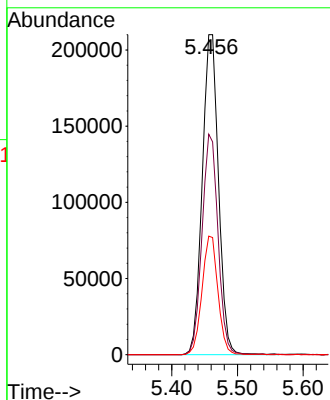
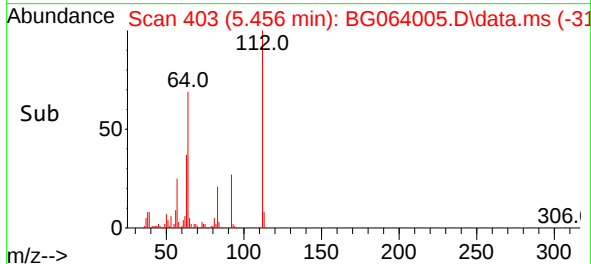
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:112 Resp: 36239
Ion Ratio Lower Upper
112 100
64 68.9 55.8 83.8
63 37.1 29.3 43.9

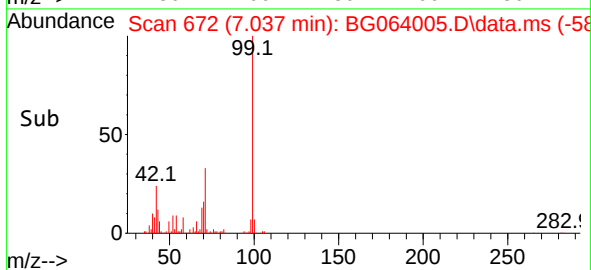
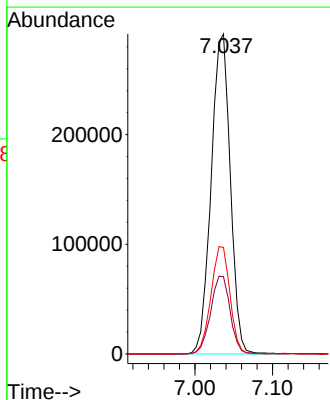
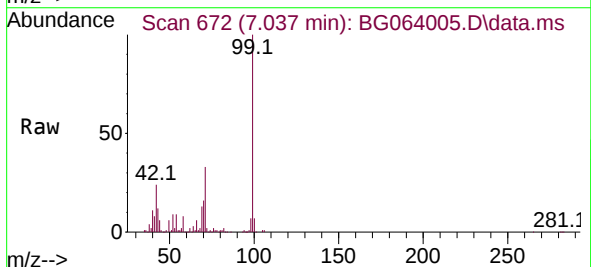
Manual Integrations
APPROVED

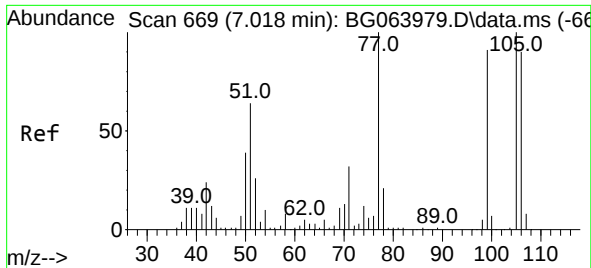
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#7
Phenol-d6
Concen: 96.176 ng
RT: 7.037 min Scan# 672
Delta R.T. 0.001 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

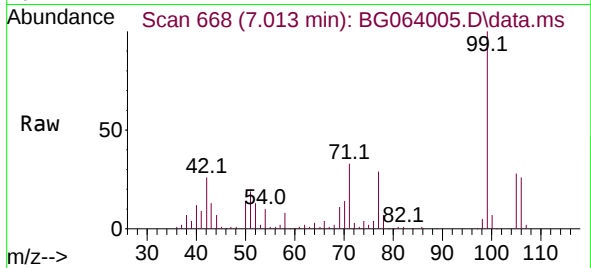
Tgt Ion: 99 Resp: 499704
Ion Ratio Lower Upper
99 100
42 24.2 18.9 28.3
71 33.3 27.0 40.6





#9
Benzaldehyde
Concen: 11.752 ng
RT: 7.013 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

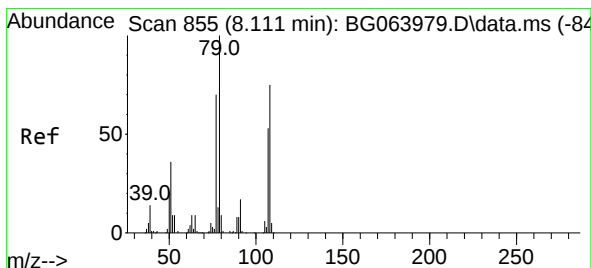
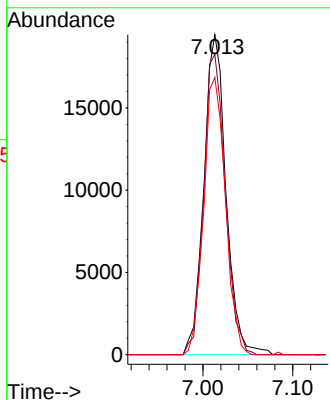
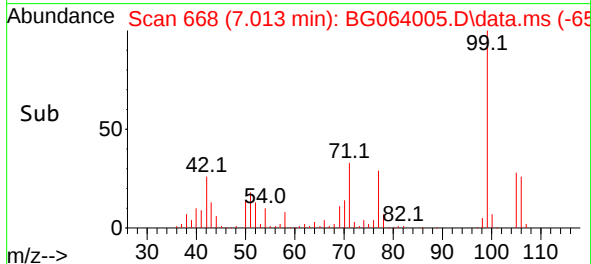
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion: 77 Resp: 3333
Ion Ratio Lower Upper
77 100
105 93.8 79.8 119.8
106 86.6 69.9 109.9

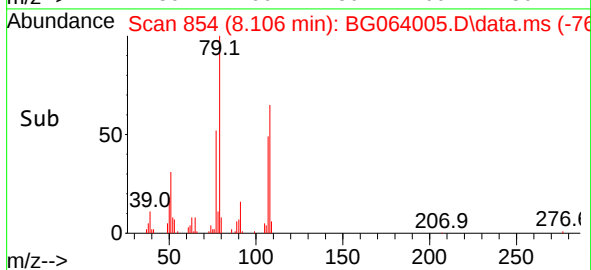
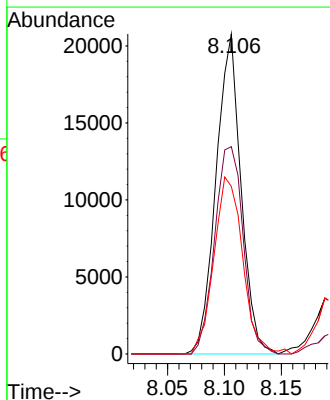
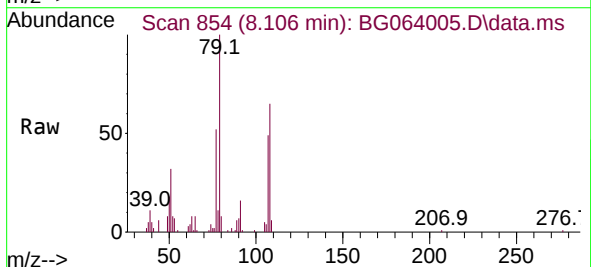
Manual Integrations
APPROVED

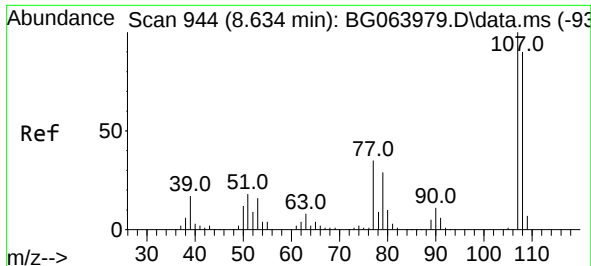
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#15
Benzyl Alcohol
Concen: 8.177 ng
RT: 8.106 min Scan# 854
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

Tgt Ion: 79 Resp: 31755
Ion Ratio Lower Upper
79 100
108 64.8 60.3 90.5
77 52.3 55.8 83.8#





#20

3+4-Methylphenols

Concen: 8.239 ng

RT: 8.629 min Scan# 944

Delta R.T. -0.005 min

Lab File: BG064005.D

Acq: 5 Feb 2025 19:07

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT1-2025

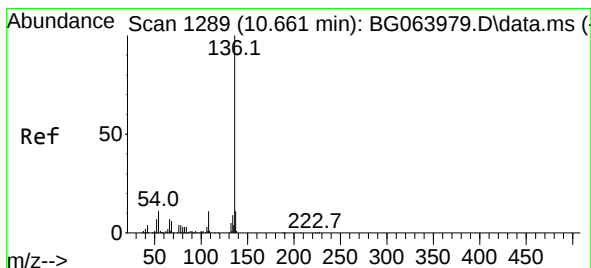
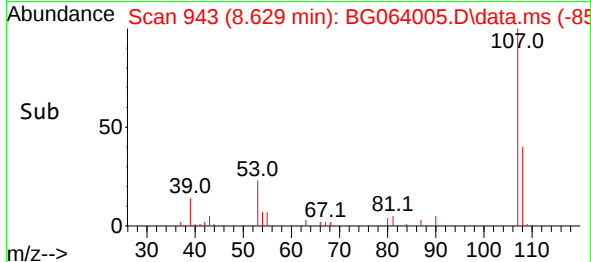
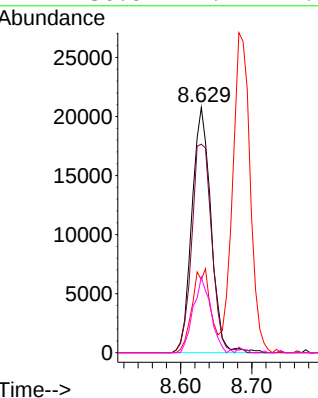
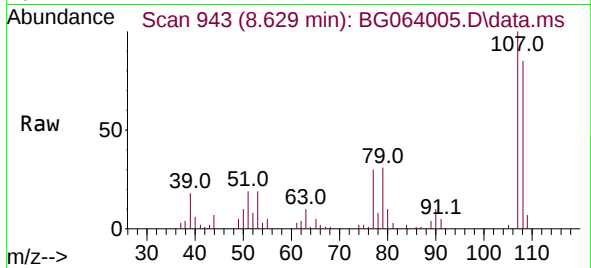
Tgt Ion:107	Resp:	38820
Ion	Ratio	Lower Upper
107	100	
108	84.9	70.0 110.0
77	29.7	15.2 55.2
79	30.8	9.1 49.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#21

Naphthalene-d8

Concen: 20.000 ng

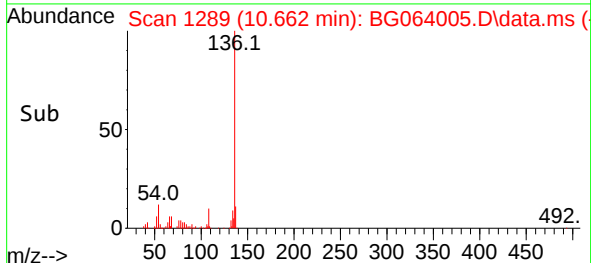
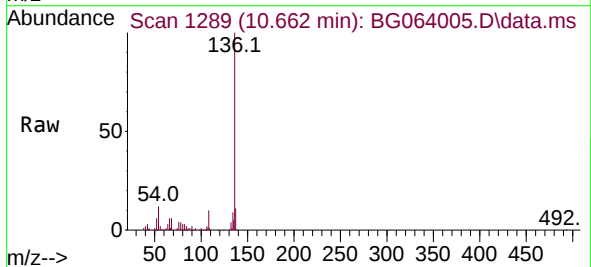
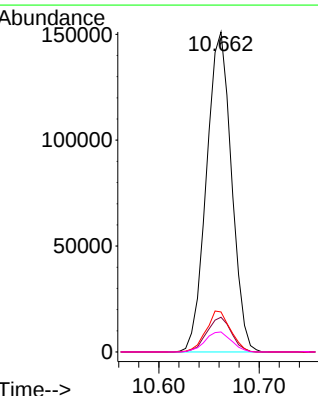
RT: 10.662 min Scan# 1289

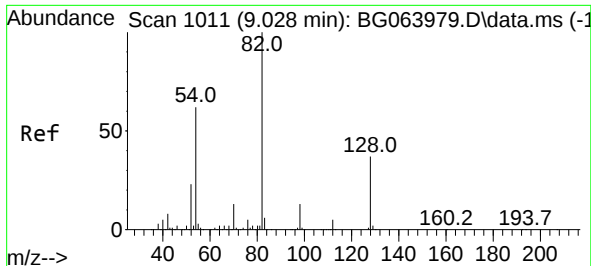
Delta R.T. 0.001 min

Lab File: BG064005.D

Acq: 5 Feb 2025 19:07

Tgt Ion:136	Resp:	261381
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	12.5	9.2 13.8
68	6.3	5.1 7.7





#23

Nitrobenzene-d5

Concen: 76.332 ng

RT: 9.023 min Scan# 1011

Delta R.T. -0.005 min

Lab File: BG064005.D

Acq: 5 Feb 2025 19:07

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT1-2025

Tgt Ion: 82 Resp: 32828

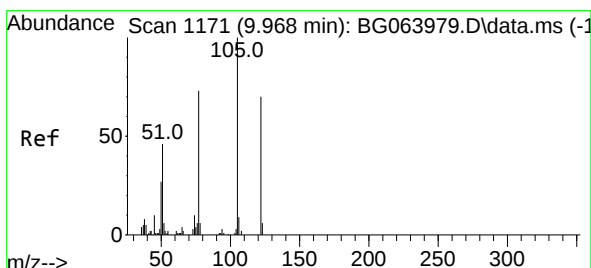
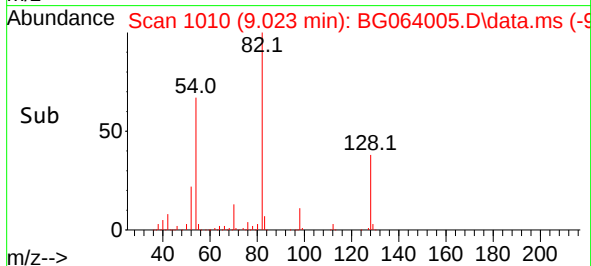
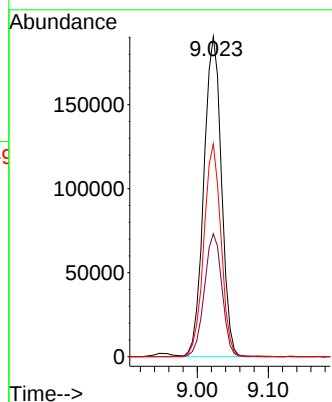
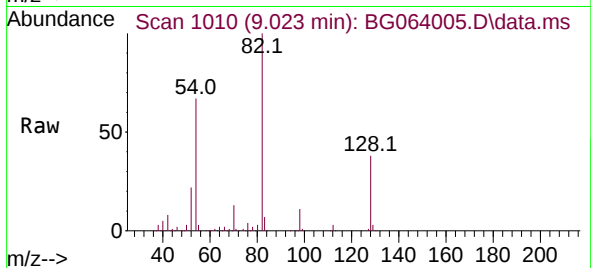
Ion	Ratio	Lower	Upper
82	100		
128	38.4	29.4	44.2
54	66.5	49.9	74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#32

Benzoic acid

Concen: 8.211 ng m

RT: 9.910 min Scan# 1161

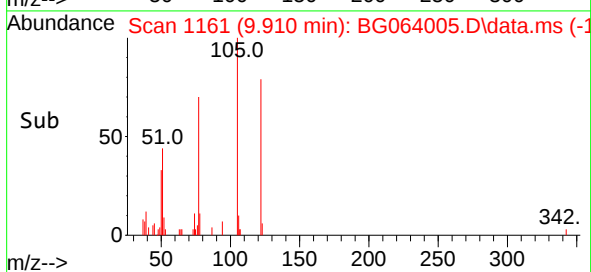
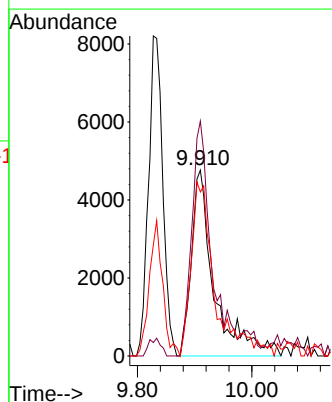
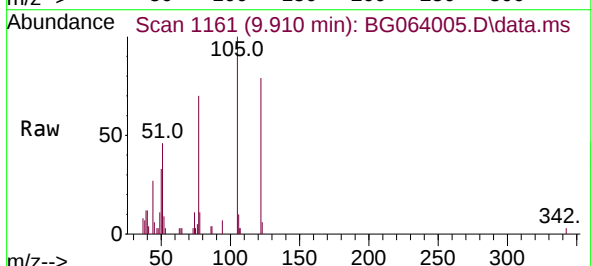
Delta R.T. -0.058 min

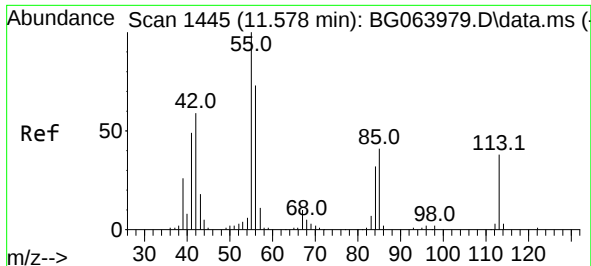
Lab File: BG064005.D

Acq: 5 Feb 2025 19:07

Tgt Ion:122 Resp: 13175

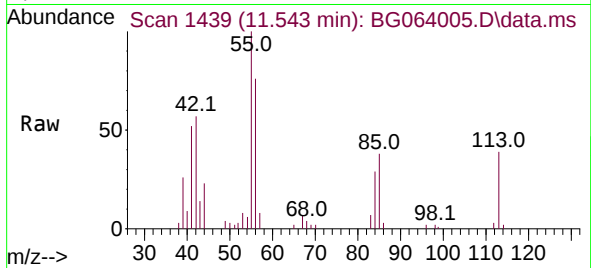
Ion	Ratio	Lower	Upper
122	100		
105	126.5	117.9	157.9
77	88.3	83.9	123.9





#35
Caprolactam
Concen: 8.601 ng
RT: 11.543 min Scan# 1445
Delta R.T. -0.035 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

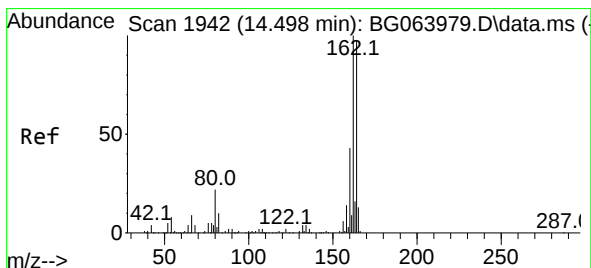
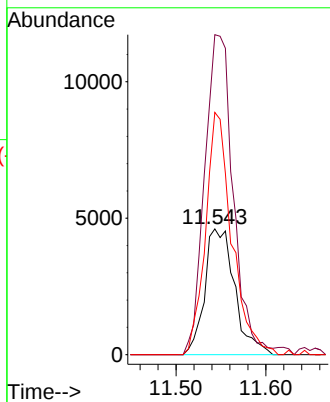
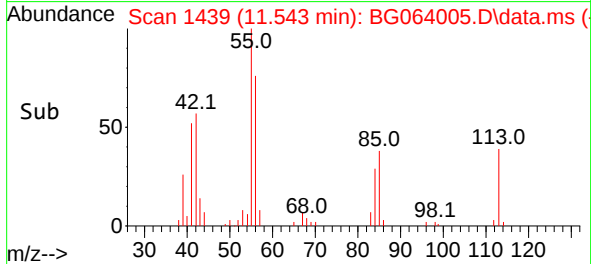
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:113 Resp: 1068
Ion Ratio Lower Upper
113 100
55 254.4 241.8 281.8
56 192.5 171.5 211.5

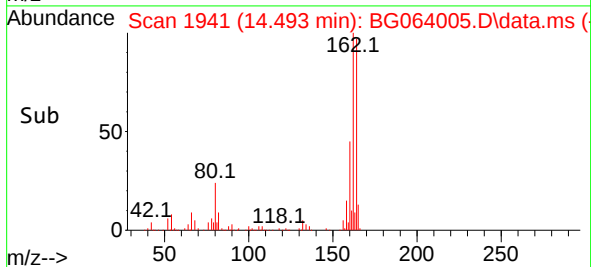
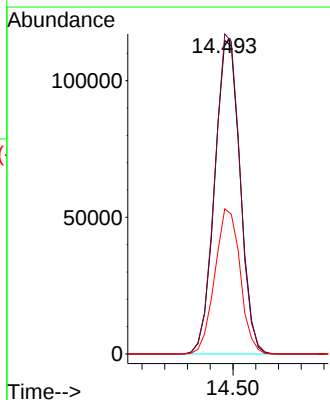
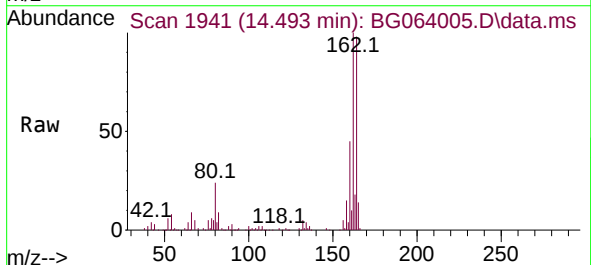
Manual Integrations
APPROVED

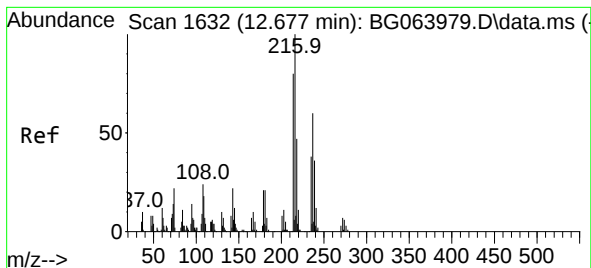
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.493 min Scan# 1941
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

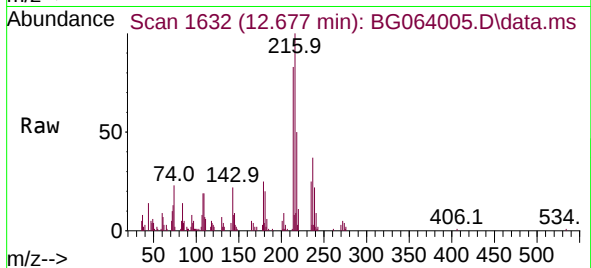
Tgt Ion:164 Resp: 177789
Ion Ratio Lower Upper
164 100
162 102.1 82.3 123.5
160 46.3 35.4 53.0





#41
Hexachlorocyclopentadiene
Concen: 8.242 ng
RT: 12.677 min Scan# 1093
Delta R.T. 0.000 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

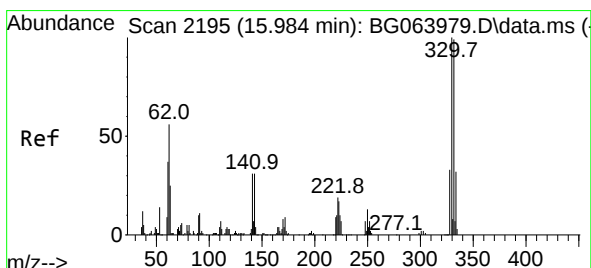
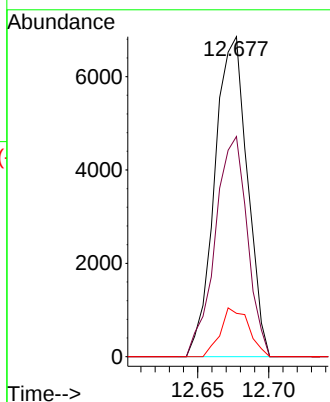
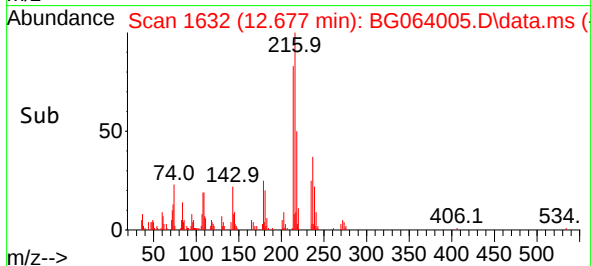
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025



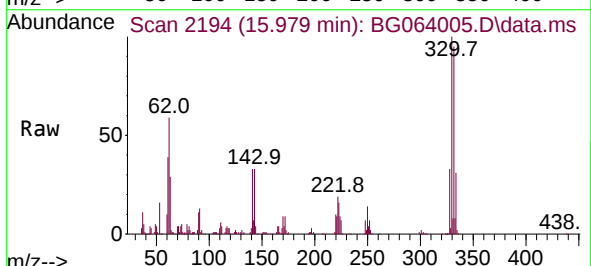
Tgt Ion:237 Resp: 1093
Ion Ratio Lower Upper
237 100
235 68.8 43.8 83.8
272 13.6 0.0 32.3

Manual Integrations
APPROVED

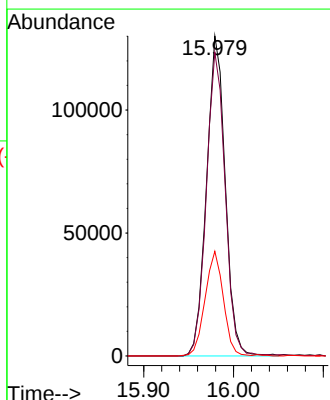
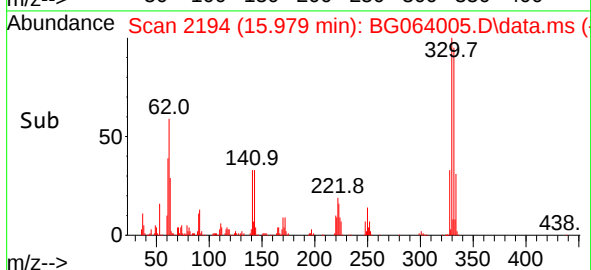
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

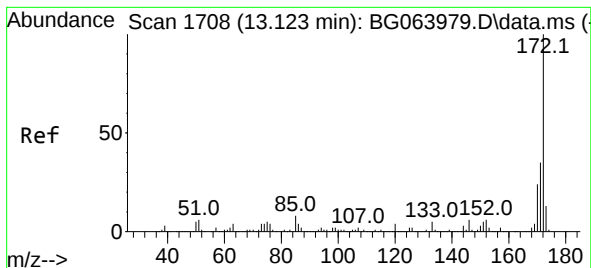


#42
2,4,6-Tribromophenol
Concen: 96.243 ng
RT: 15.979 min Scan# 2194
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07



Tgt Ion:330 Resp: 188439
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.6
141 31.9 27.2 40.8





#45

2-Fluorobiphenyl

Concen: 66.431 ng

RT: 13.124 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG064005.D

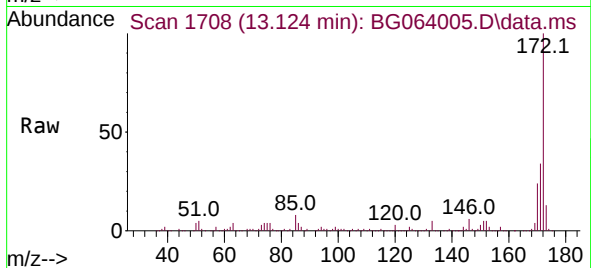
Acq: 5 Feb 2025 19:07

Instrument :

BNA_G

ClientSampleId :

LOQ-WATER-02-QT1-2025



Tgt Ion:172 Resp: 770860

Ion Ratio Lower Upper

172 100

171 33.7 27.8 41.6

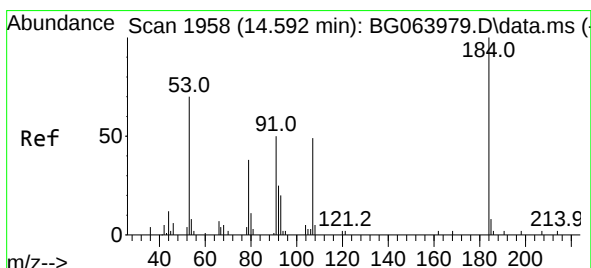
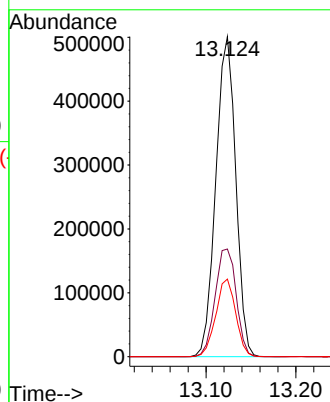
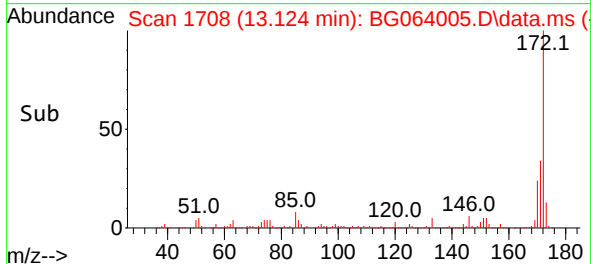
170 24.3 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#54

2,4-Dinitrophenol

Concen: 8.948 ng

RT: 14.593 min Scan# 1958

Delta R.T. 0.001 min

Lab File: BG064005.D

Acq: 5 Feb 2025 19:07

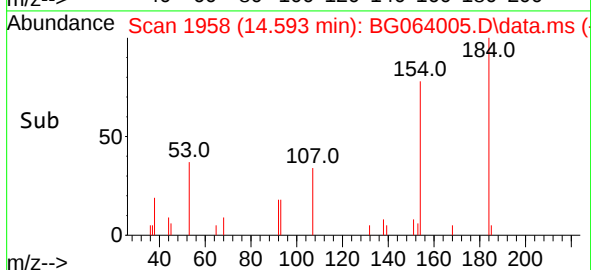
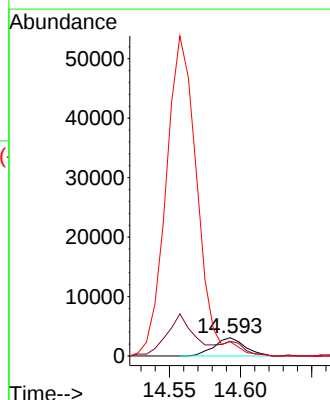
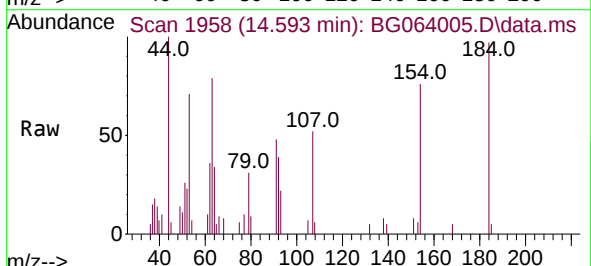
Tgt Ion:184 Resp: 4556

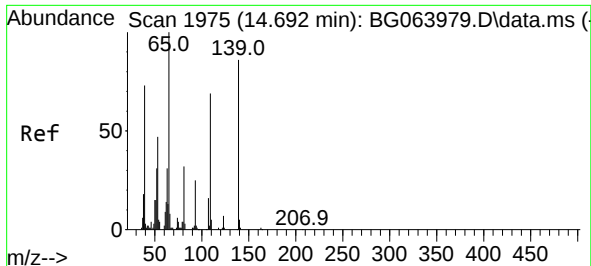
Ion Ratio Lower Upper

184 100

63 80.7 67.3 100.9

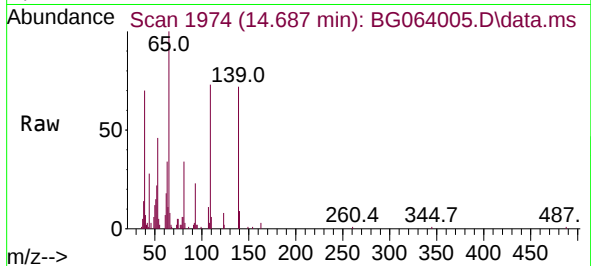
154 78.3 65.9 98.9





#56
4-Nitrophenol
Concen: 8.503 ng
RT: 14.687 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

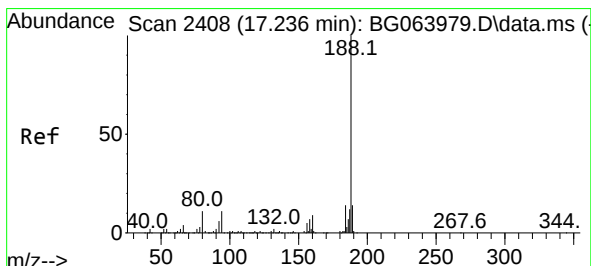
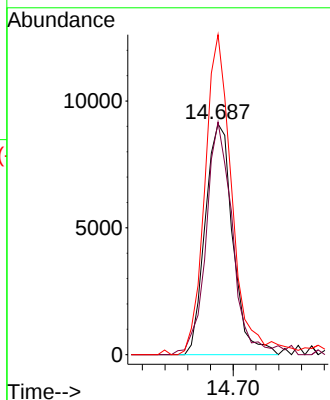
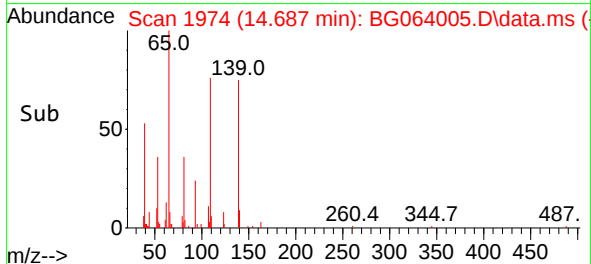
Instrument : BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:139 Resp: 15308
Ion Ratio Lower Upper
139 100
109 100.9 60.1 100.1
65 138.7 96.2 136.2

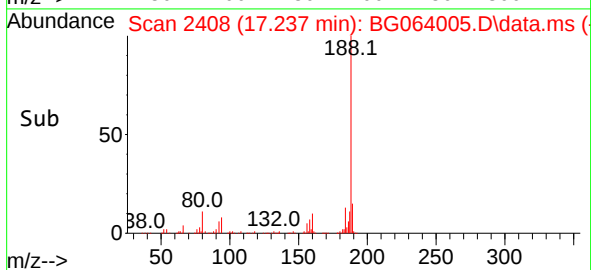
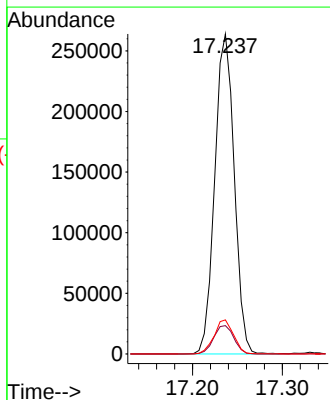
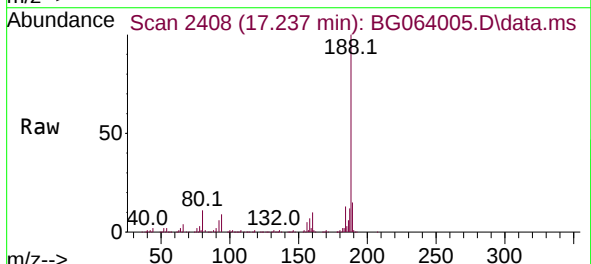
Manual Integrations
APPROVED

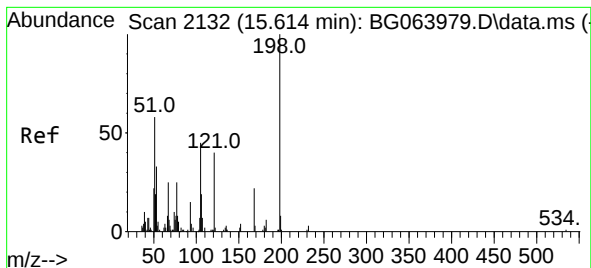
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.237 min Scan# 2408
Delta R.T. 0.001 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

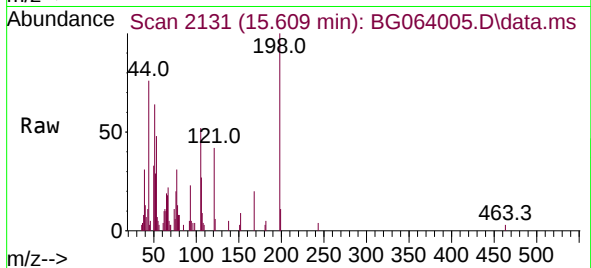
Tgt Ion:188 Resp: 396931
Ion Ratio Lower Upper
188 100
94 8.9 8.6 13.0
80 10.7 8.5 12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 9.193 ng
RT: 15.609 min Scan# 2132
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

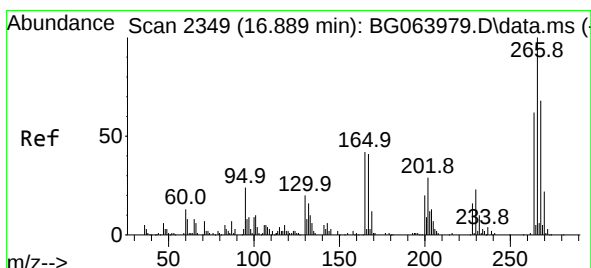
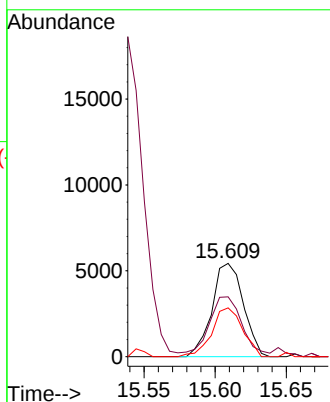
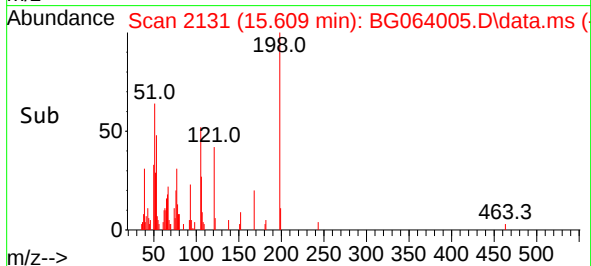
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:198 Resp: 832
Ion Ratio Lower Upper
198 100
51 64.1 45.4 85.4
105 52.4 27.7 67.7

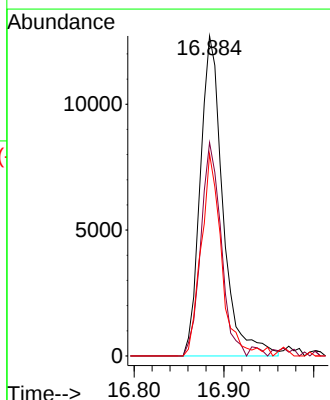
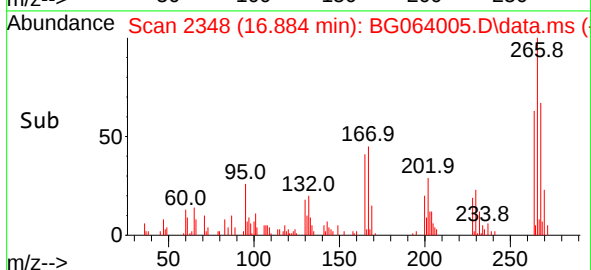
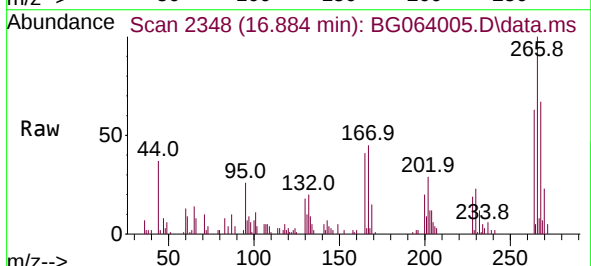
Manual Integrations
APPROVED

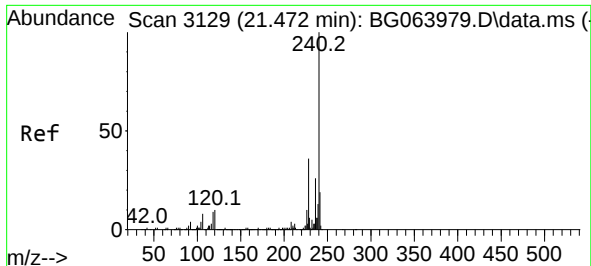
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#70
Pentachlorophenol
Concen: 9.346 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

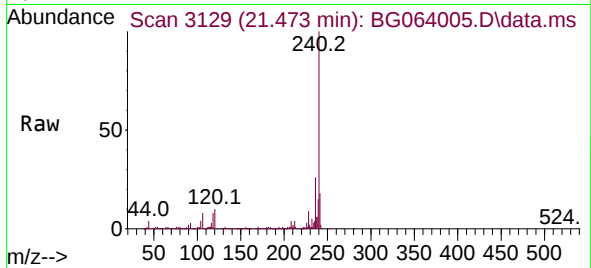
Tgt Ion:266 Resp: 22253
Ion Ratio Lower Upper
266 100
268 73.7 54.8 82.2
264 68.1 50.0 75.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.473 min Scan# 3129
Delta R.T. 0.001 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

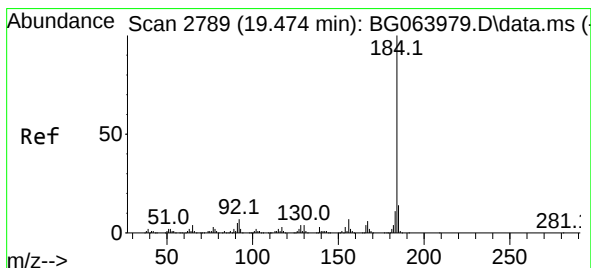
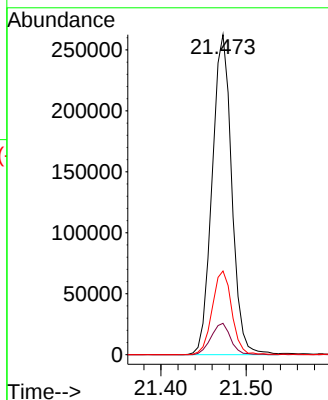
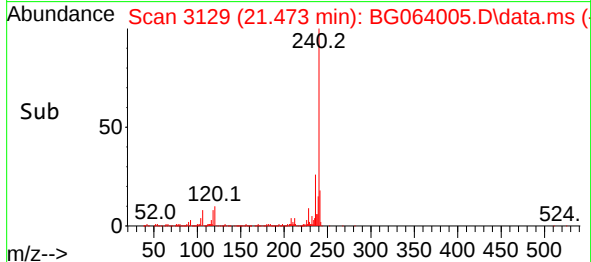
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:240 Resp: 418739
Ion Ratio Lower Upper
240 100
120 9.8 7.9 11.9
236 26.1 21.0 31.6

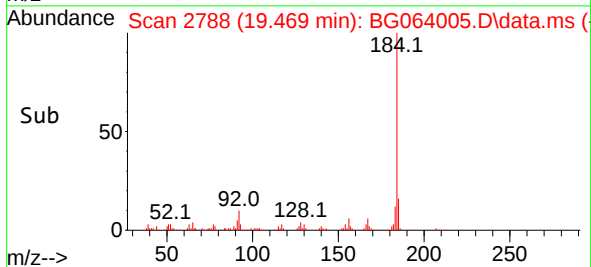
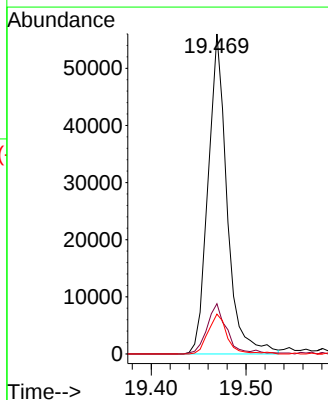
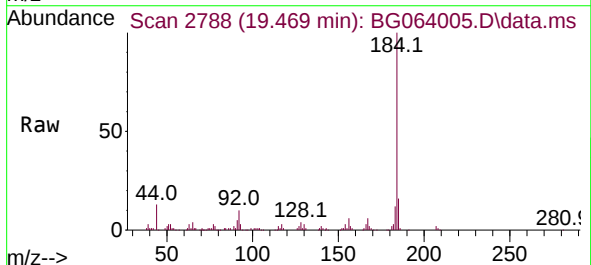
Manual Integrations
APPROVED

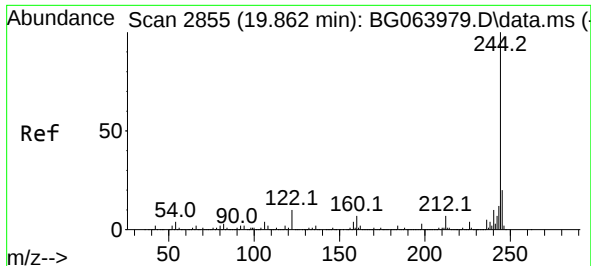
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#77
Benzidine
Concen: 8.742 ng
RT: 19.469 min Scan# 2788
Delta R.T. -0.005 min
Lab File: BG064005.D
Acq: 5 Feb 2025 19:07

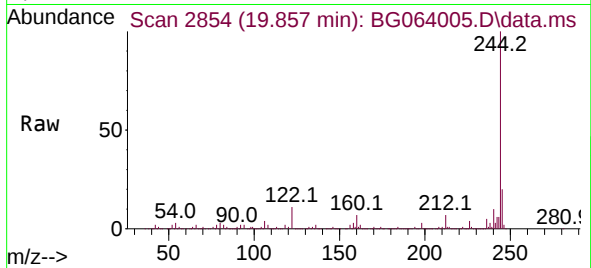
Tgt Ion:184 Resp: 77946
Ion Ratio Lower Upper
184 100
185 15.7 11.2 16.8
183 12.4 8.7 13.1





#79
 Terphenyl-d14
 Concen: 66.450 ng
 RT: 19.857 min Scan# 2854
 Delta R.T. -0.005 min
 Lab File: BG064005.D
 Acq: 5 Feb 2025 19:07

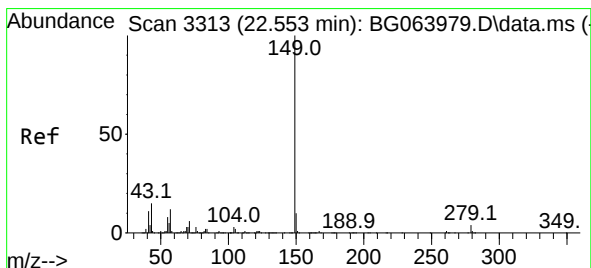
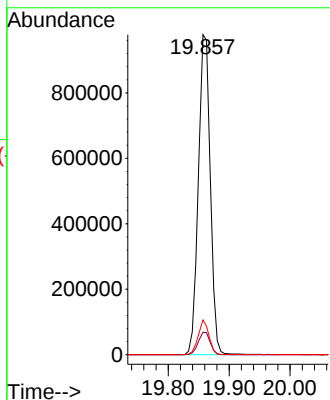
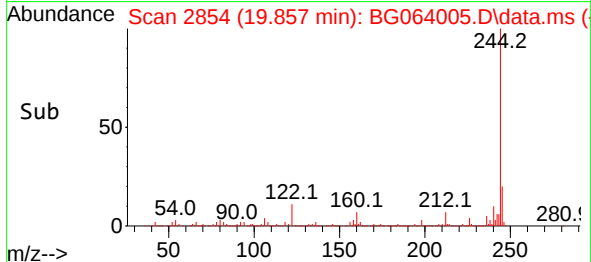
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT1-2025



Tgt Ion:244 Resp: 1332334
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 10.9 7.7 11.5

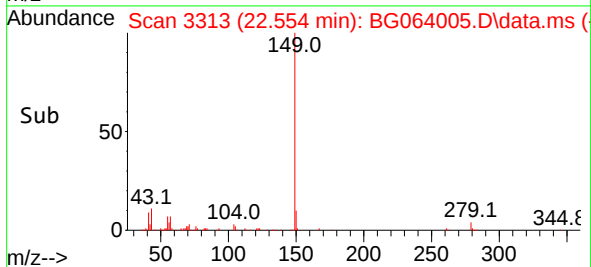
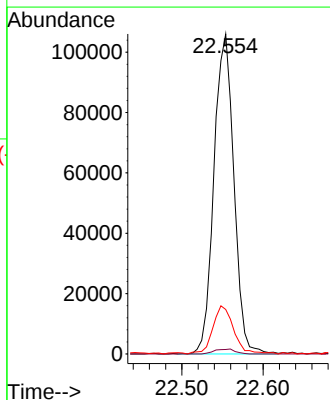
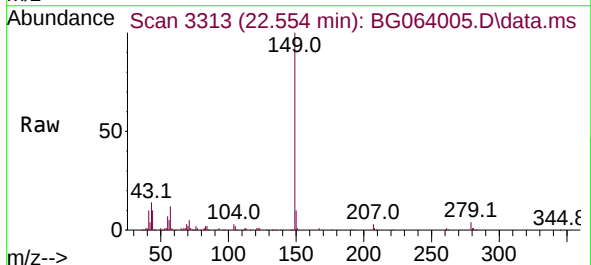
Manual Integrations
 APPROVED

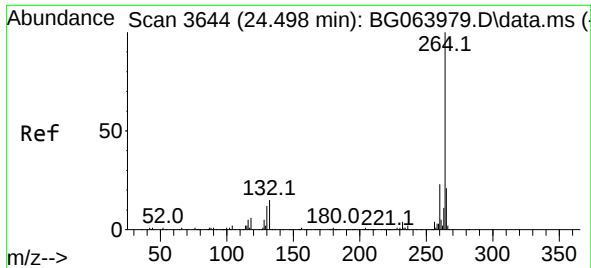
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#85
 Di-n-octyl phthalate
 Concen: 8.633 ng
 RT: 22.554 min Scan# 3313
 Delta R.T. 0.001 min
 Lab File: BG064005.D
 Acq: 5 Feb 2025 19:07

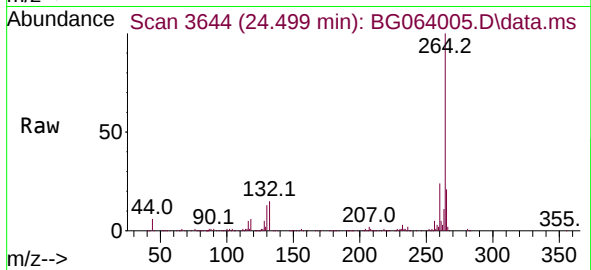
Tgt Ion:149 Resp: 180858
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 15.8 12.3 18.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.499 min Scan# 30
 Delta R.T. 0.001 min
 Lab File: BG064005.D
 Acq: 5 Feb 2025 19:07

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT1-2025



Tgt Ion:264 Resp: 43285
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.7 28.1
 265 21.5 16.6 24.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

