

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112025\
 Data File : BG064829.D
 Acq On : 20 Nov 2025 11:31
 Operator : RC/JU
 Sample : Q3530-08
 Misc : LOQ-WATER-10ng
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 20 12:07:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.162	152	49327	20.000	ng	0.00
21) Naphthalene-d8	10.976	136	194870	20.000	ng	#-0.01
39) Acenaphthene-d10	14.772	164	162657	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	411073	20.000	ng	0.00
76) Chrysene-d12	21.746	240	491277	20.000	ng	-0.01
86) Perylene-d12	25.007	264	462368	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	305992	108.324	ng	0.00
7) Phenol-d6	7.304	99	427656	113.826	ng	0.00
23) Nitrobenzene-d5	9.319	82	317784	80.629	ng	-0.01
42) 2,4,6-Tribromophenol	16.247	330	360487	113.635	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	926790	79.504	ng	0.00
79) Terphenyl-d14	20.089	244	2219095	88.853	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.849	42	12381	7.466	ng	# 79
9) Benzaldehyde	7.287	77	25939	10.547	ng	96
15) Benzyl Alcohol	8.391	79	24967	8.096	ng	98
20) 3+4-Methylphenols	8.920	107	33027	8.335	ng	94
32) Benzoic acid	10.201	122	10677m	10.053	ng	
35) Caprolactam	11.869	113	9078	8.884	ng	93
41) Hexachlorocyclopentadiene	12.968	237	23430	5.164	ng	96
54) 2,4-Dinitrophenol	14.866	184	6816	12.177	ng	# 88
56) 4-Nitrophenol	14.960	139	14177	7.322	ng	90
65) 4,6-Dinitro-2-methylph...	15.871	198	17472	7.655	ng	93
70) Pentachlorophenol	17.151	266	27012	12.586	ng	# 87
77) Benzidine	19.701	184	97260	6.610	ng	99
82) 3,3'-Dichlorobenzidine	21.634	252	107847	8.771	ng	99
85) Di-n-octyl phthalate	22.851	149	223437	9.134	ng	97

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

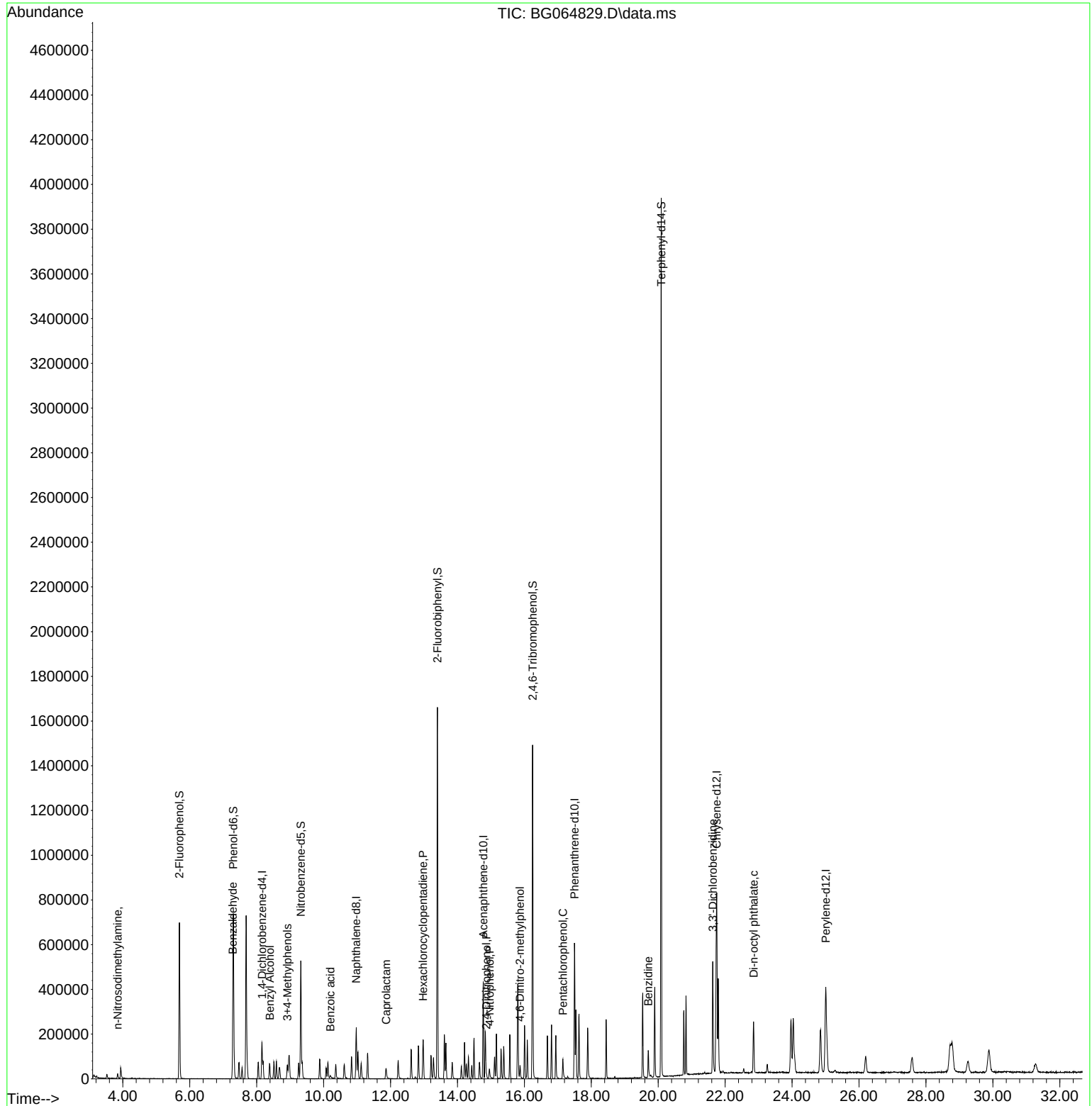
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112025\
Data File : BG064829.D
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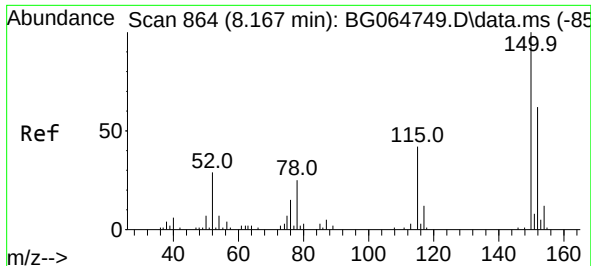
Instrument :
BNA_G
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LOQ-WATER-02-QT4-2025

Quant Time: Nov 20 12:07:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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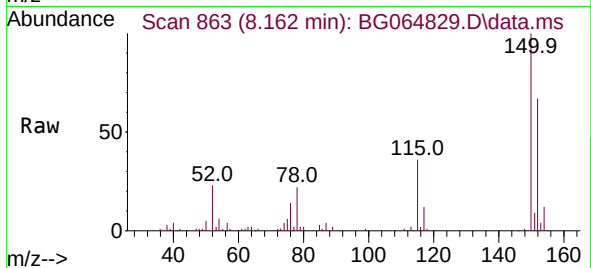
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.162 min Scan# 864
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

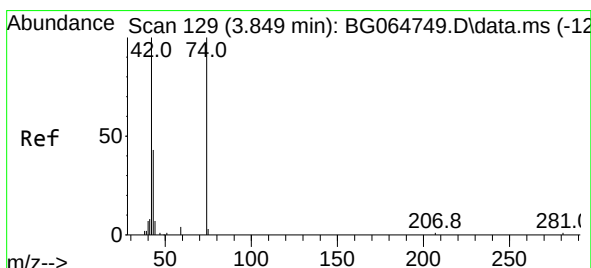
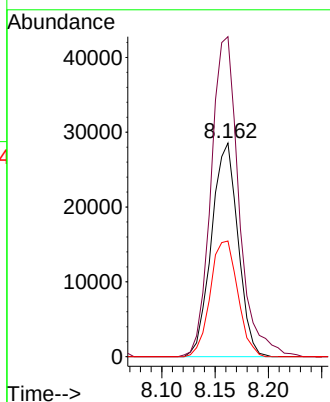
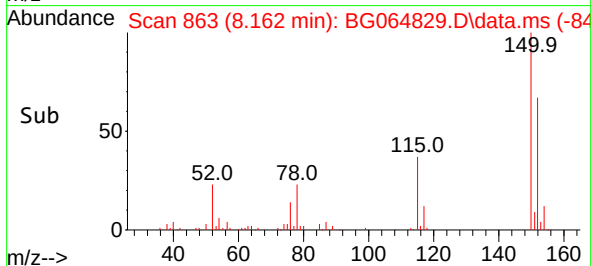
Instrument : BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



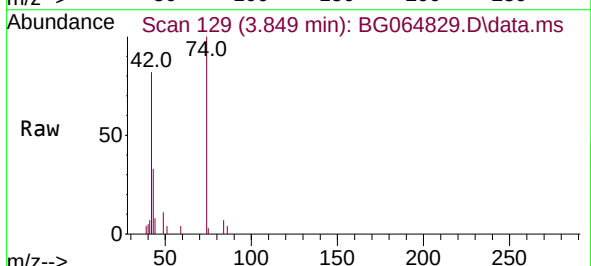
Tgt Ion:152 Resp: 49327
Ion Ratio Lower Upper
152 100
150 149.8 129.2 193.8
115 54.2 53.7 80.5

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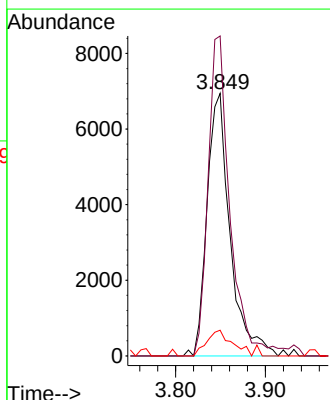
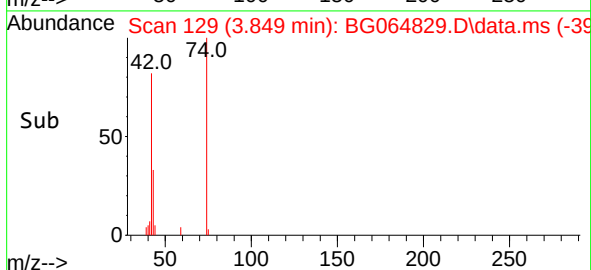
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Supervised By :mohammad ahmed 11/22/2025

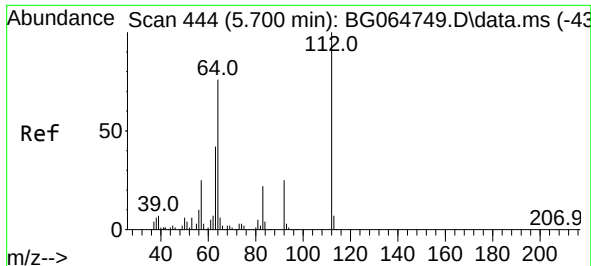


#4
n-Nitrosodimethylamine
Concen: 7.466 ng
RT: 3.849 min Scan# 129
Delta R.T. 0.001 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31



Tgt Ion: 42 Resp: 12381
Ion Ratio Lower Upper
42 100
74 121.9 79.8 119.6#
44 9.8 5.9 8.9#





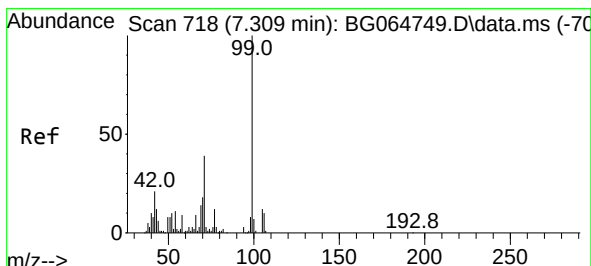
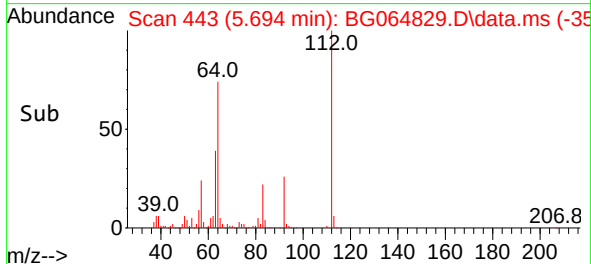
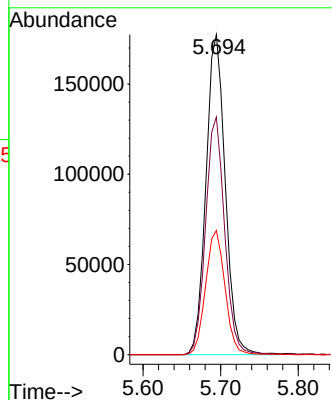
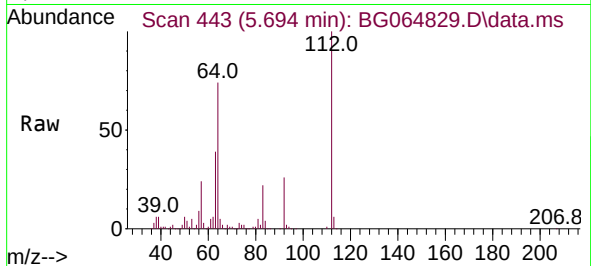
#5
2-Fluorophenol
Concen: 108.324 ng
RT: 5.694 min Scan# 444
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:112 Resp: 305992
Ion Ratio Lower Upper
112 100
64 74.2 61.0 91.4
63 38.8 33.3 49.9

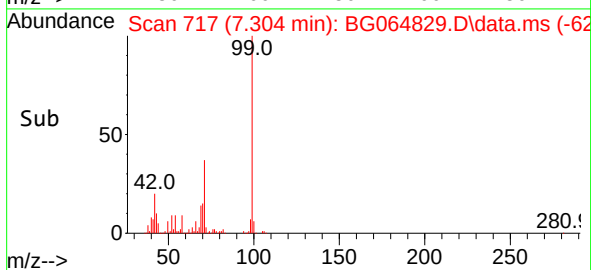
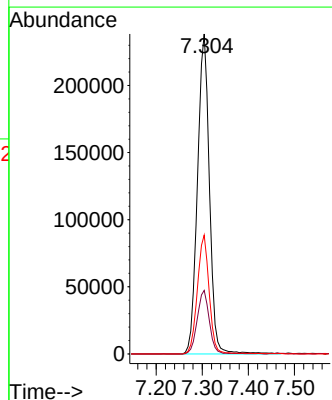
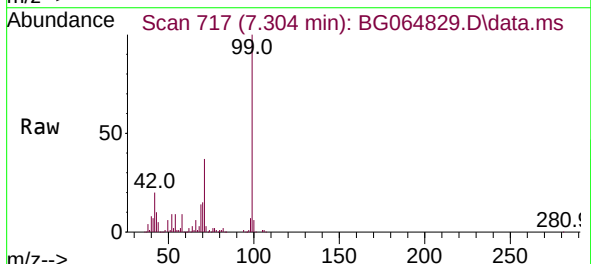
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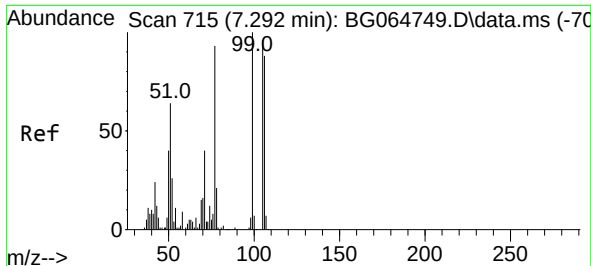
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Supervised By :mohammad ahmed 11/22/2025



#7
Phenol-d6
Concen: 113.826 ng
RT: 7.304 min Scan# 717
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

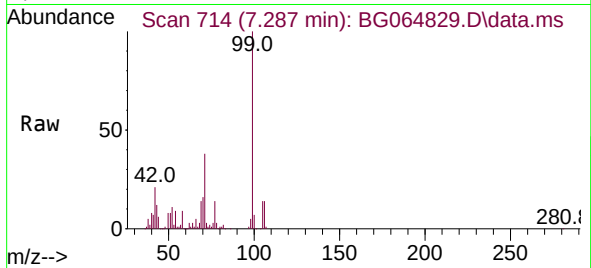
Tgt Ion: 99 Resp: 427656
Ion Ratio Lower Upper
99 100
42 19.8 16.8 25.2
71 37.1 31.1 46.7





#9
Benzaldehyde
Concen: 10.547 ng
RT: 7.287 min Scan# 714
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

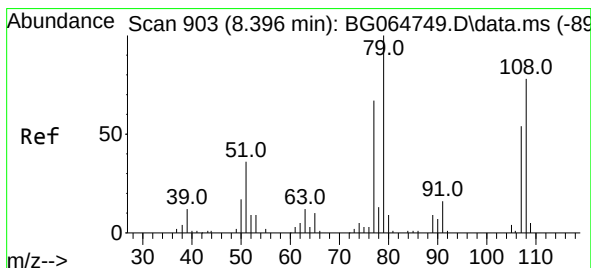
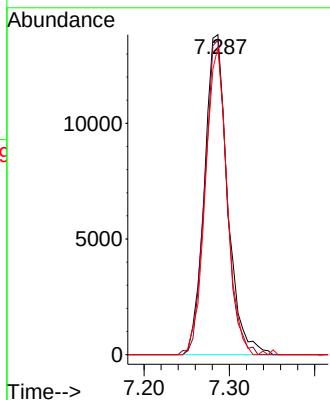
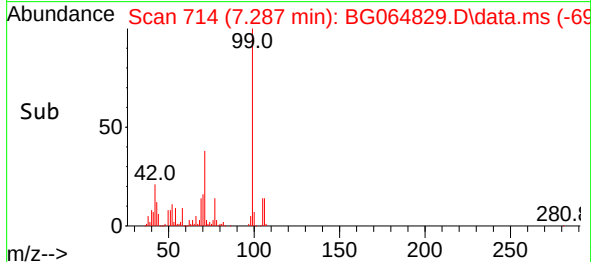
Instrument : BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 77 Resp: 25939
Ion Ratio Lower Upper
77 100
105 98.2 83.8 123.8
106 96.0 74.3 114.3

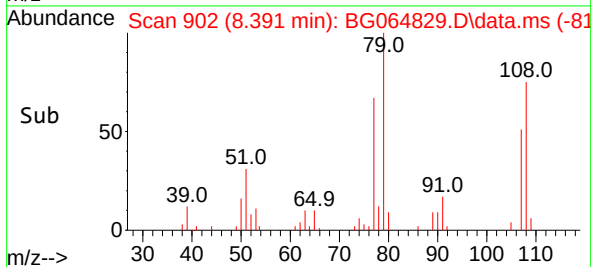
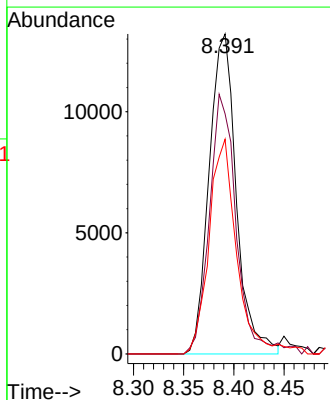
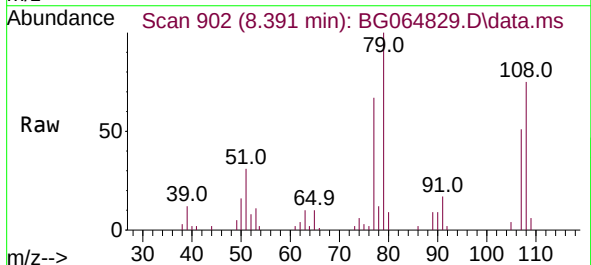
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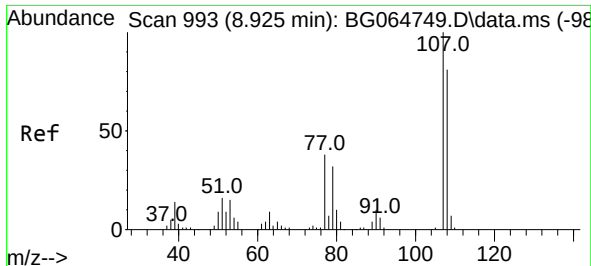
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#15
Benzyl Alcohol
Concen: 8.096 ng
RT: 8.391 min Scan# 902
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

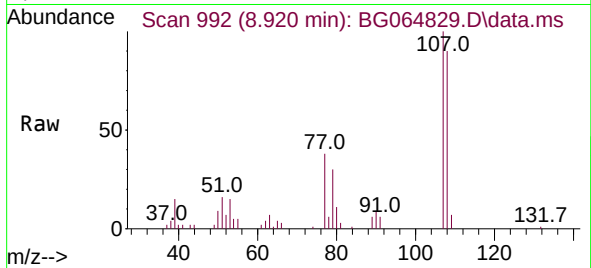
Tgt Ion: 79 Resp: 24967
Ion Ratio Lower Upper
79 100
108 75.0 62.3 93.5
77 67.1 53.5 80.3





#20
3+4-Methylphenols
Concen: 8.335 ng
RT: 8.920 min Scan# 993
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

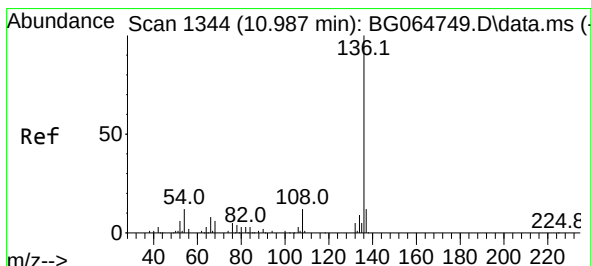
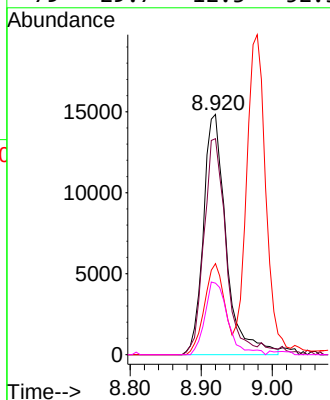
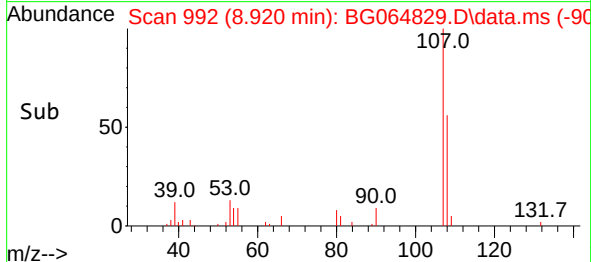
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



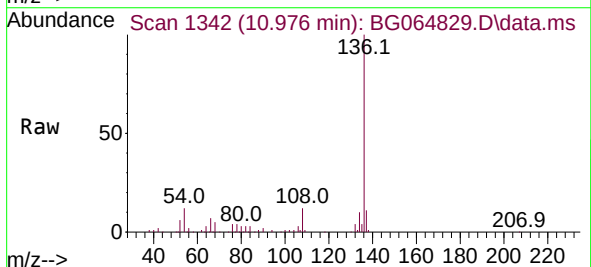
Tgt Ion:107 Resp: 3302
Ion Ratio Lower Upper
107 100
108 89.9 61.0 101.0
77 37.9 17.6 57.6
79 29.7 12.3 52.3

Manual Integrations
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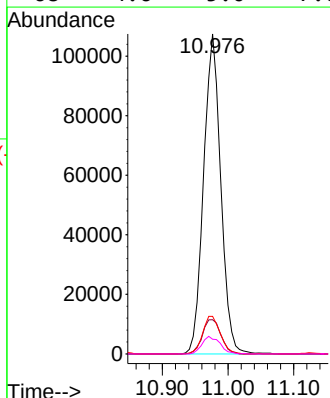
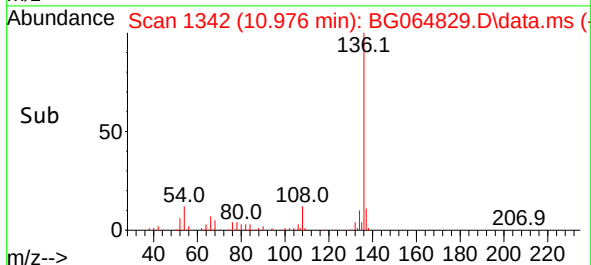
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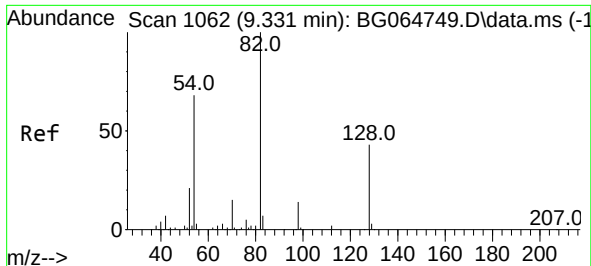


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.976 min Scan# 1342
Delta R.T. -0.011 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31



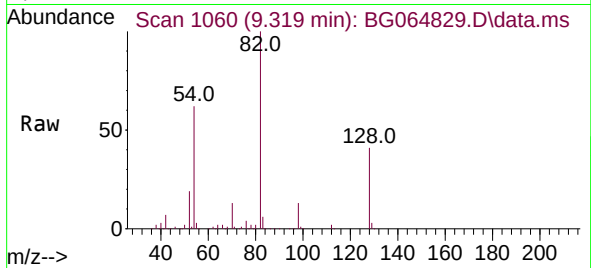
Tgt Ion:136 Resp: 194870
Ion Ratio Lower Upper
136 100
137 10.7 9.3 13.9
54 11.7 9.3 13.9
68 4.6 5.0 7.6#





#23
Nitrobenzene-d5
Concen: 80.629 ng
RT: 9.319 min Scan# 1060
Delta R.T. -0.011 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

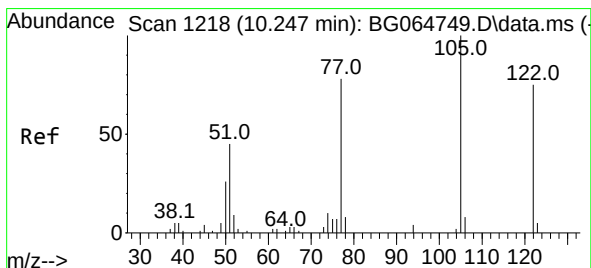
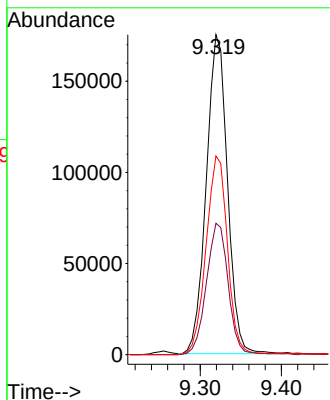
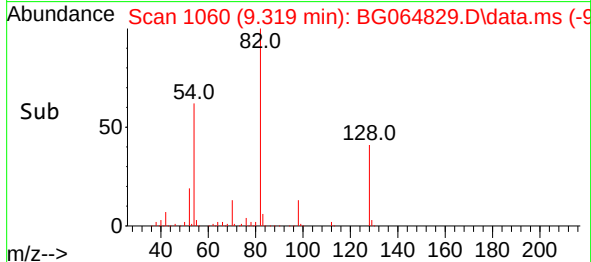
Instrument : BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



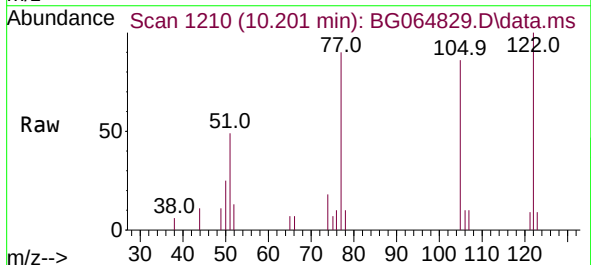
Tgt Ion: 82 Resp: 317784
Ion Ratio Lower Upper
82 100
128 41.0 34.1 51.1
54 62.1 54.3 81.5

Manual Integrations
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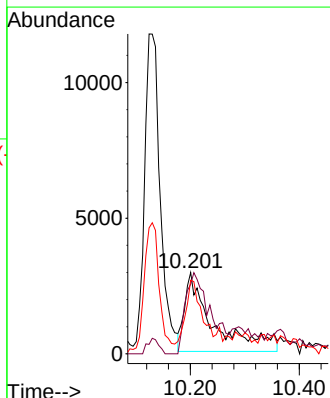
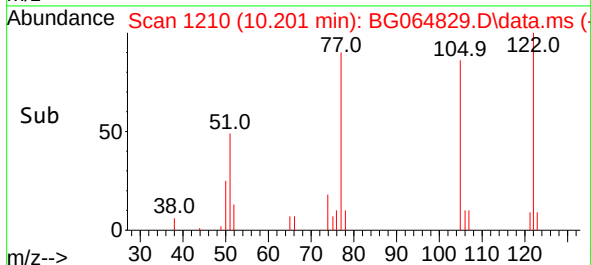
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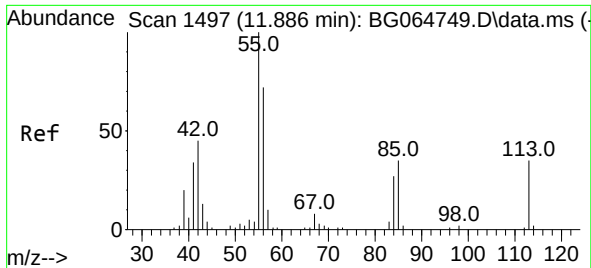


#32
Benzoic acid
Concen: 10.053 ng m
RT: 10.201 min Scan# 1210
Delta R.T. -0.046 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31



Tgt Ion:122 Resp: 10677
Ion Ratio Lower Upper
122 100
105 85.6 107.6 147.6#
77 90.5 82.5 122.5





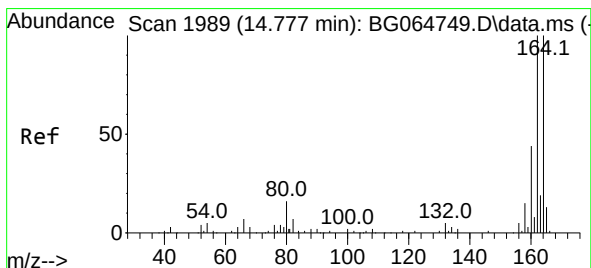
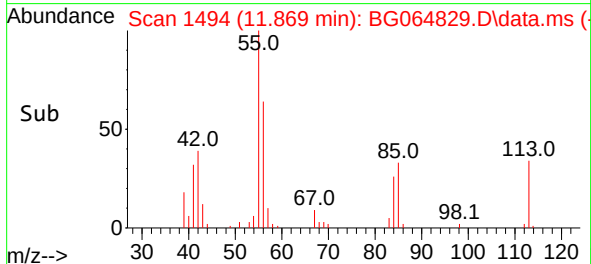
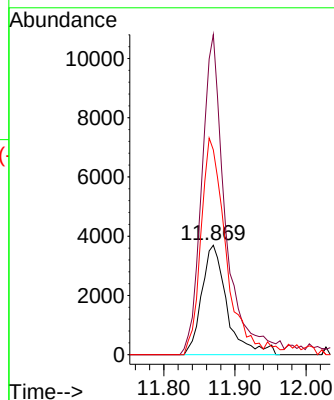
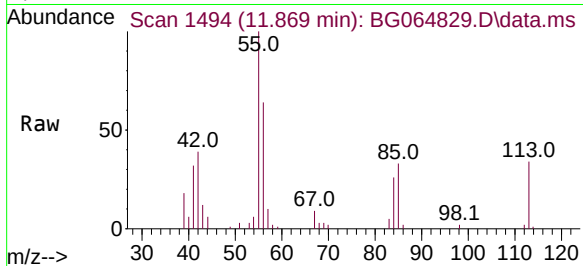
#35
Caprolactam
Concen: 8.884 ng
RT: 11.869 min Scan# 1497
Delta R.T. -0.017 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:113 Resp: 9078
Ion Ratio Lower Upper
113 100
55 292.4 263.7 303.7
56 187.1 184.0 224.0

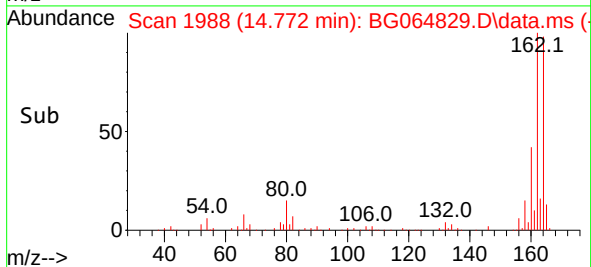
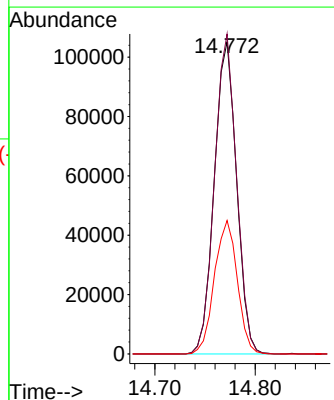
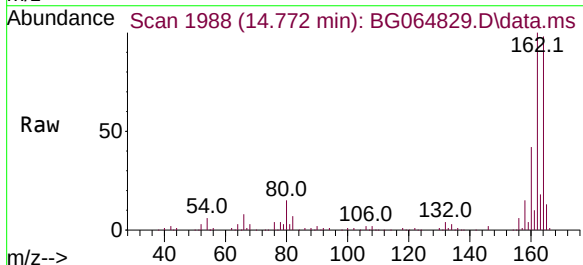
Manual Integrations
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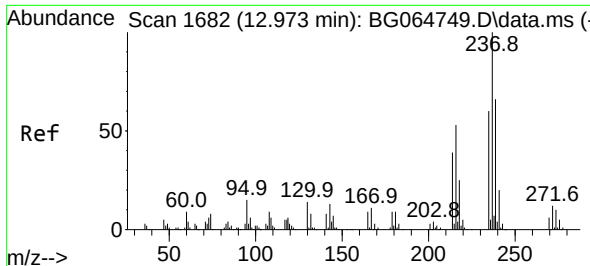
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.772 min Scan# 1988
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

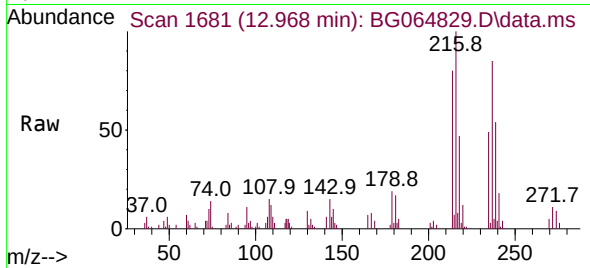
Tgt Ion:164 Resp: 162657
Ion Ratio Lower Upper
164 100
162 102.5 79.8 119.6
160 42.7 34.9 52.3





#41
Hexachlorocyclopentadiene
Concen: 5.164 ng
RT: 12.968 min Scan# 1681
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

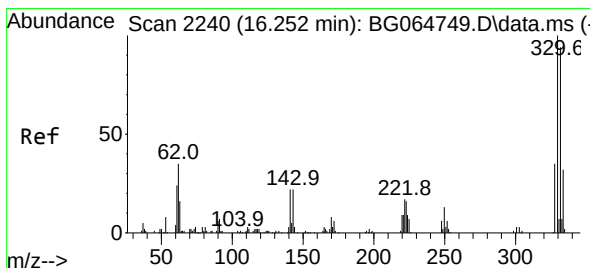
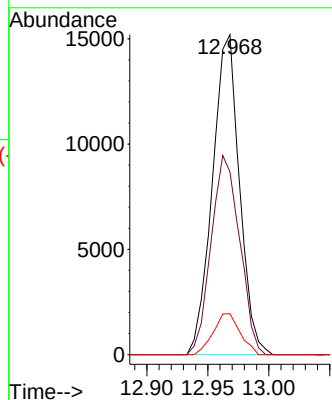
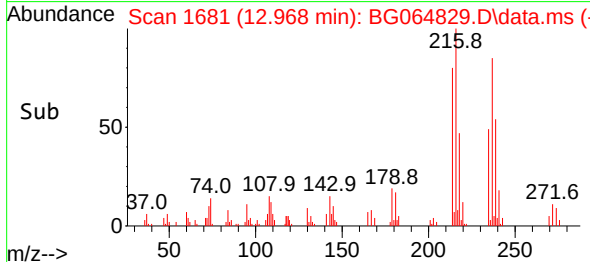
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:237 Resp: 23436
Ion Ratio Lower Upper
237 100
235 57.1 40.2 80.2
272 12.8 0.0 31.9

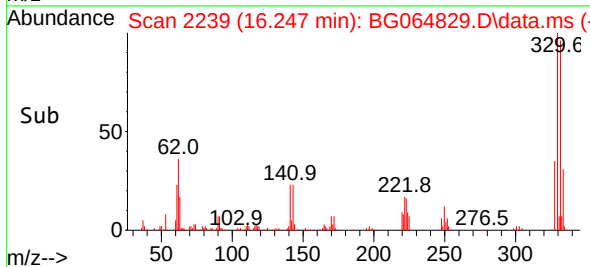
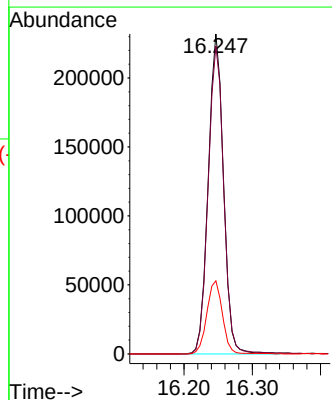
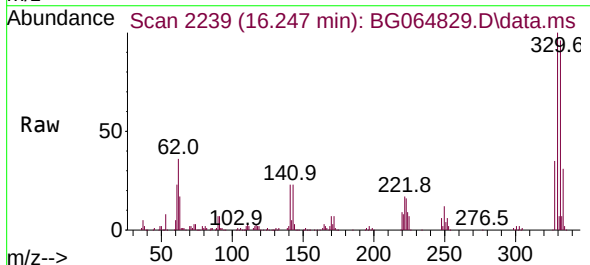
Manual Integrations
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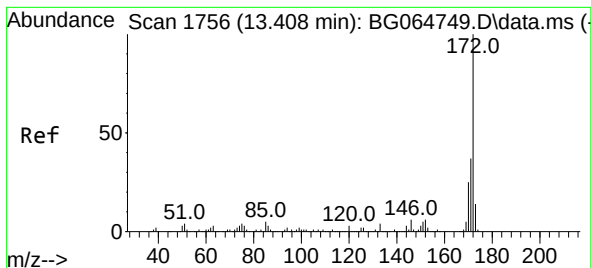
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#42
2,4,6-Tribromophenol
Concen: 113.635 ng
RT: 16.247 min Scan# 2239
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

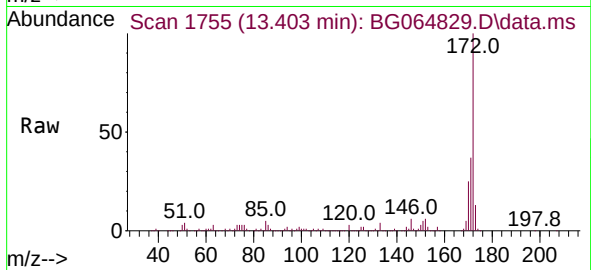
Tgt Ion:330 Resp: 360487
Ion Ratio Lower Upper
330 100
332 98.0 77.0 115.6
141 23.4 18.2 27.2





#45
2-Fluorobiphenyl
Concen: 79.504 ng
RT: 13.403 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

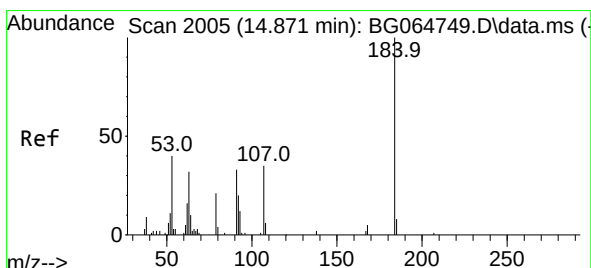
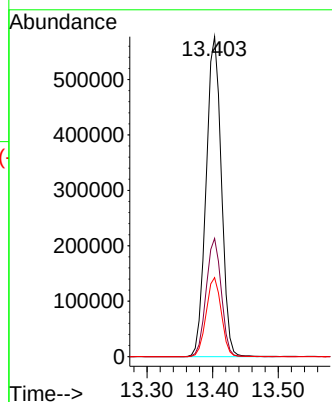
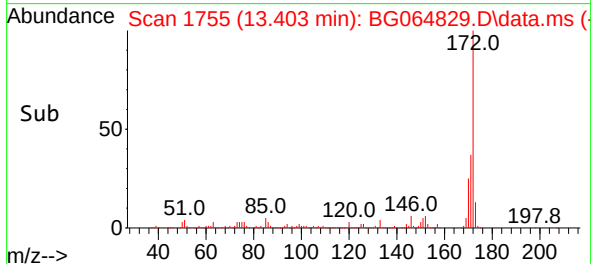
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:172 Resp: 926790
Ion Ratio Lower Upper
172 100
171 36.9 29.9 44.9
170 24.7 19.8 29.6

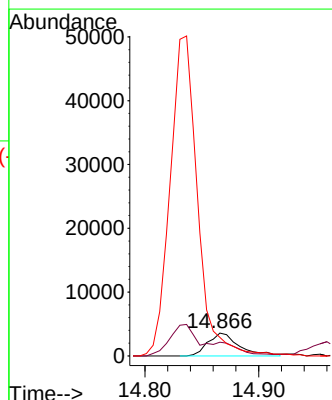
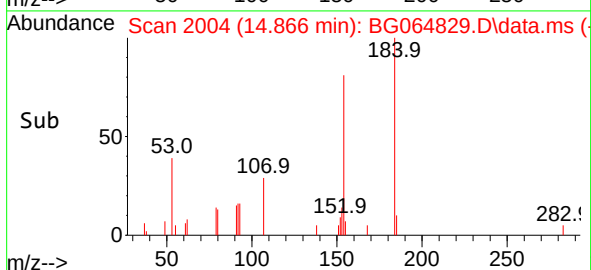
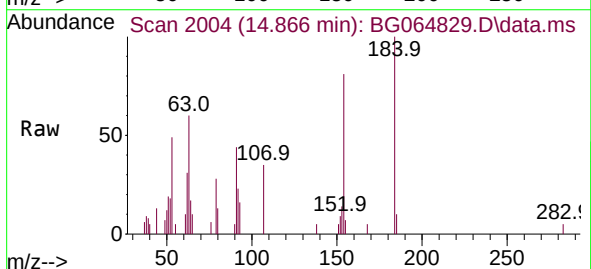
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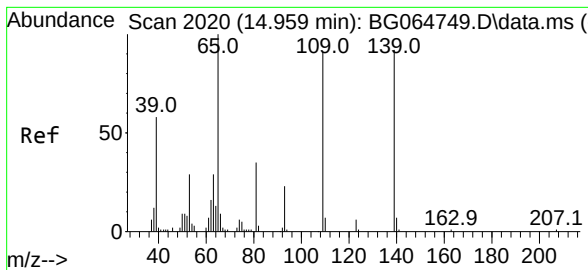
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#54
2,4-Dinitrophenol
Concen: 12.177 ng
RT: 14.866 min Scan# 2004
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

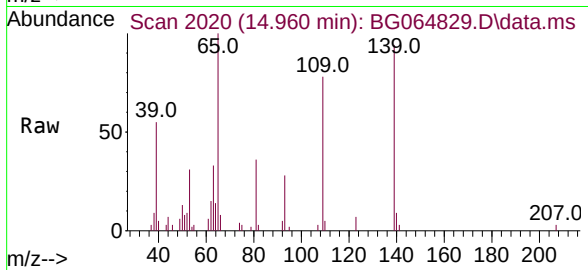
Tgt Ion:184 Resp: 6816
Ion Ratio Lower Upper
184 100
63 59.9 45.8 68.6
154 80.7 52.6 78.8#





#56
4-Nitrophenol
Concen: 7.322 ng
RT: 14.960 min Scan# 2020
Delta R.T. 0.001 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

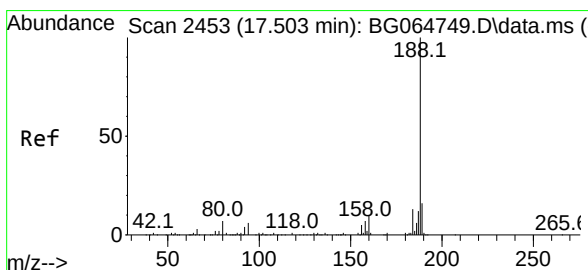
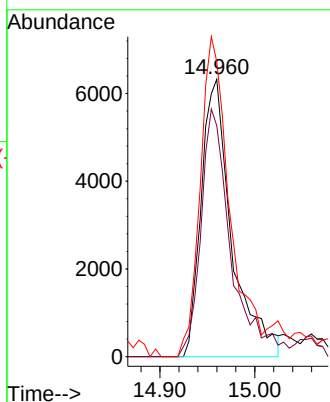
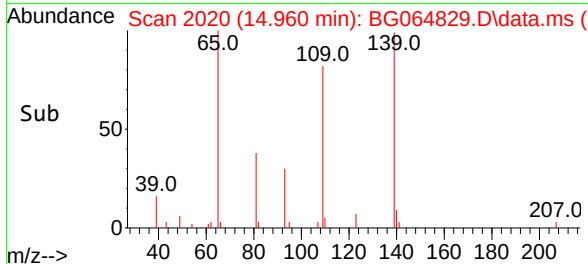
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:139 Resp: 14172
Ion Ratio Lower Upper
139 100
109 83.3 79.7 119.7
65 106.4 89.9 129.9

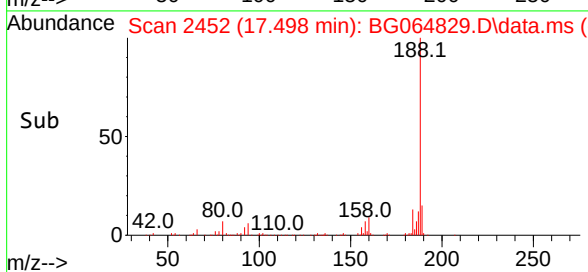
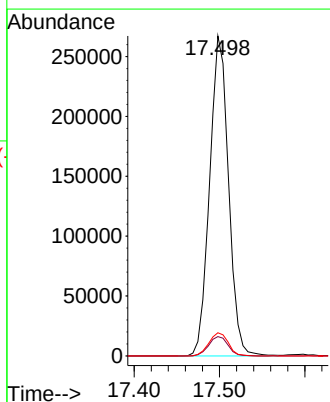
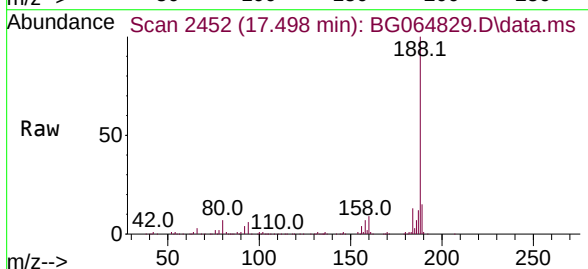
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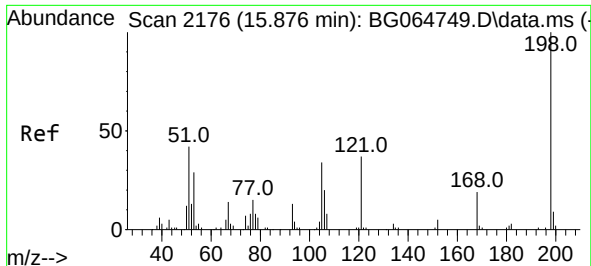
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2452
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

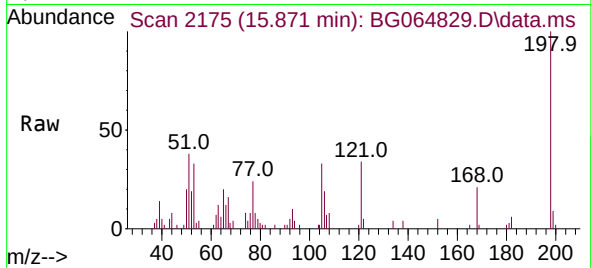
Tgt Ion:188 Resp: 411073
Ion Ratio Lower Upper
188 100
94 6.0 4.7 7.1
80 7.2 5.4 8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 7.655 ng
RT: 15.871 min Scan# 2176
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

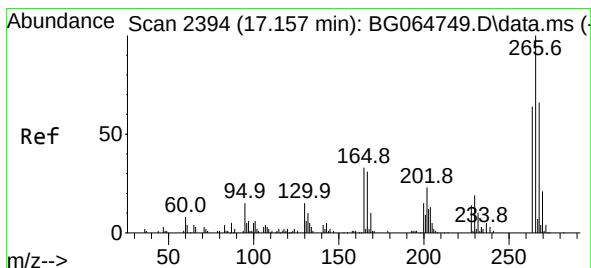
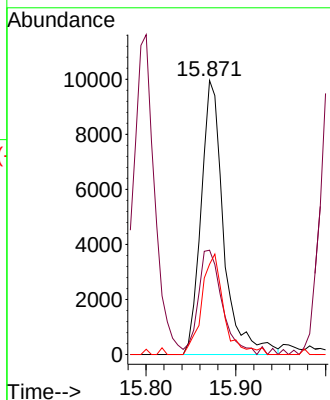
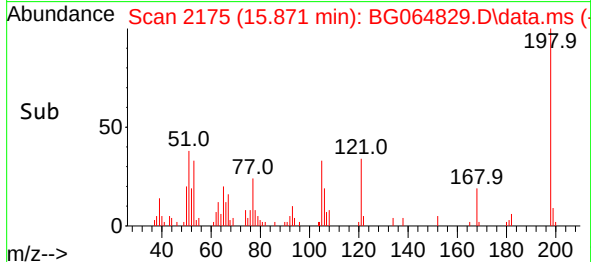
Instrument :
BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:198 Resp: 17472
Ion Ratio Lower Upper
198 100
51 38.1 25.2 65.2
105 32.9 14.2 54.2

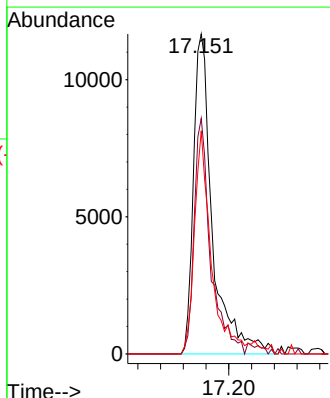
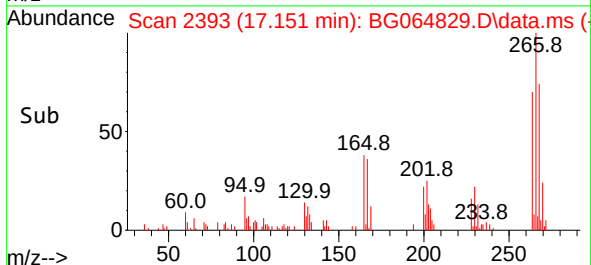
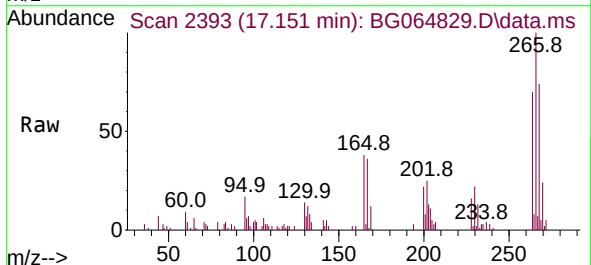
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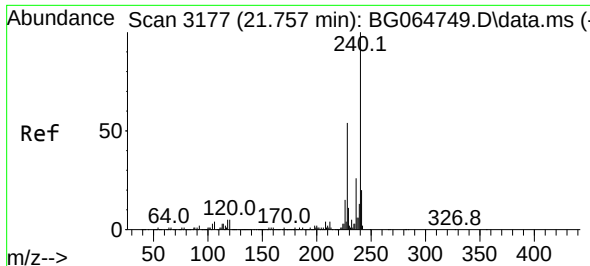
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#70
Pentachlorophenol
Concen: 12.586 ng
RT: 17.151 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

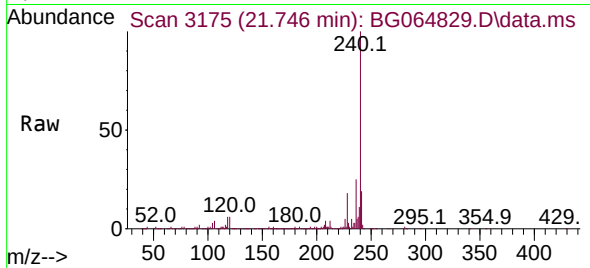
Tgt Ion:266 Resp: 27012
Ion Ratio Lower Upper
266 100
268 78.2 56.1 84.1
264 77.6 51.2 76.8#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.746 min Scan# 3175
Delta R.T. -0.011 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

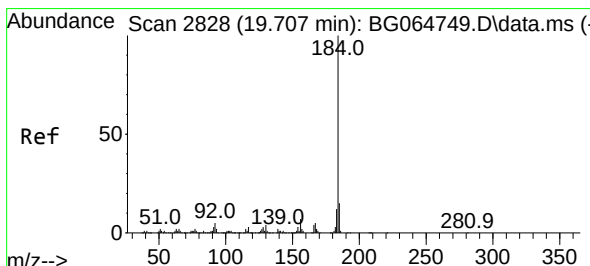
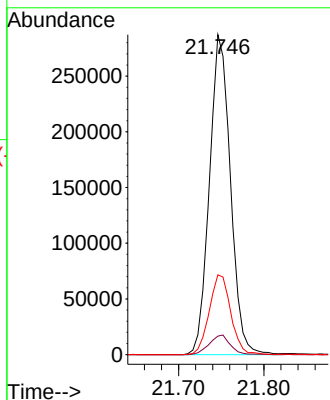
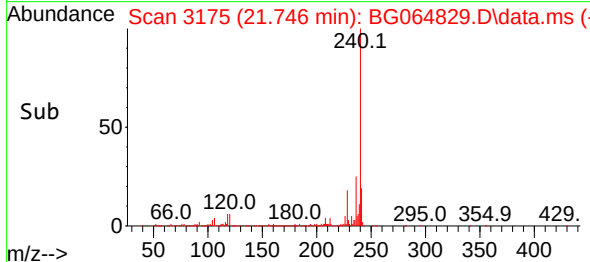
Instrument : BNA_G
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion:240 Resp: 49127
Ion Ratio Lower Upper
240 100
120 5.8 4.2 6.4
236 24.9 20.8 31.2

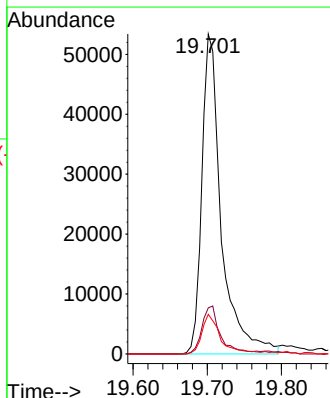
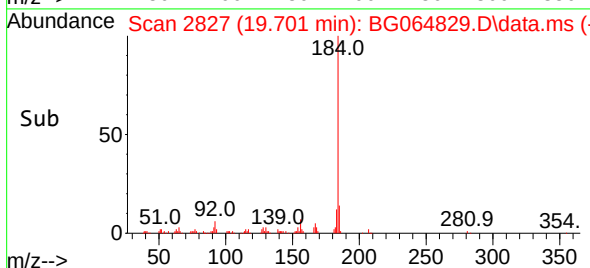
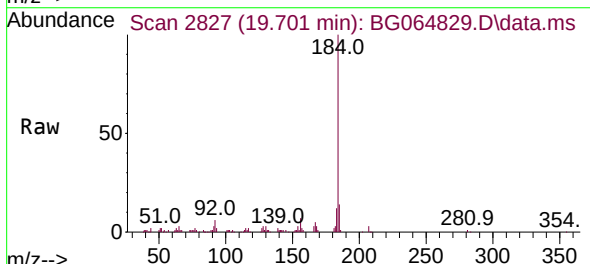
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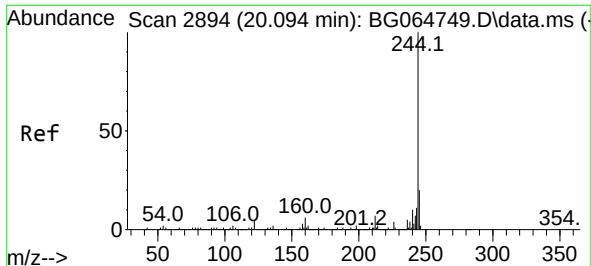
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#77
Benzidine
Concen: 6.610 ng
RT: 19.701 min Scan# 2827
Delta R.T. -0.005 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

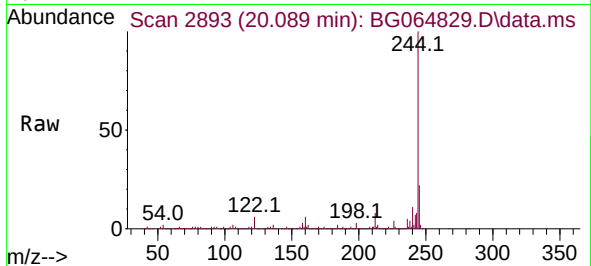
Tgt Ion:184 Resp: 97260
Ion Ratio Lower Upper
184 100
185 14.4 11.8 17.6
183 12.4 9.8 14.6





#79
 Terphenyl-d14
 Concen: 88.853 ng
 RT: 20.089 min Scan# 2893
 Delta R.T. -0.005 min
 Lab File: BG064829.D
 Acq: 20 Nov 2025 11:31

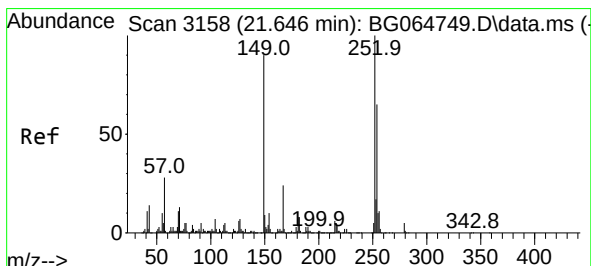
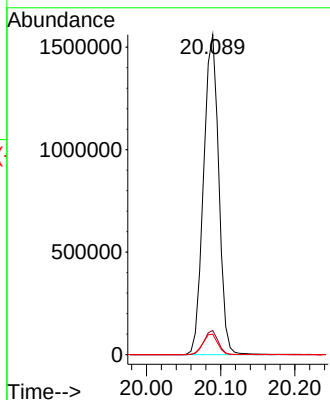
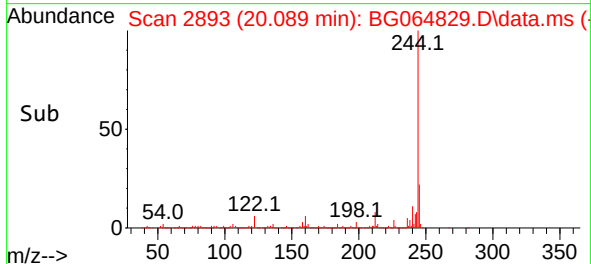
Instrument : BNA_G
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion:244 Resp: 2219095
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 6.4 4.3 6.5

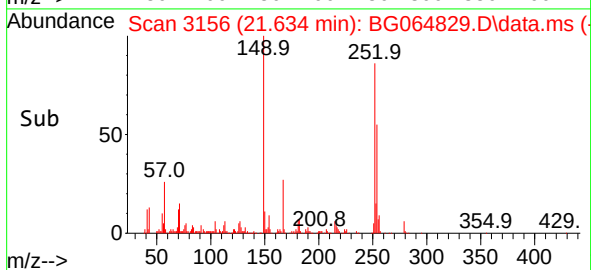
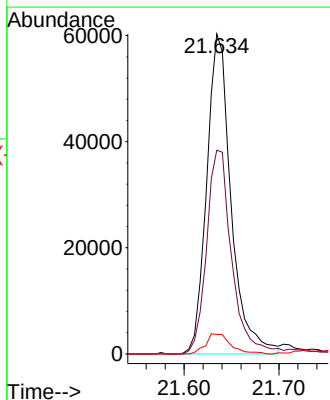
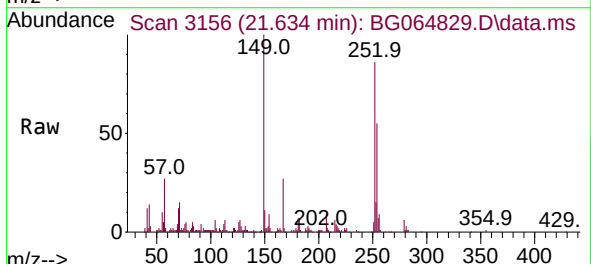
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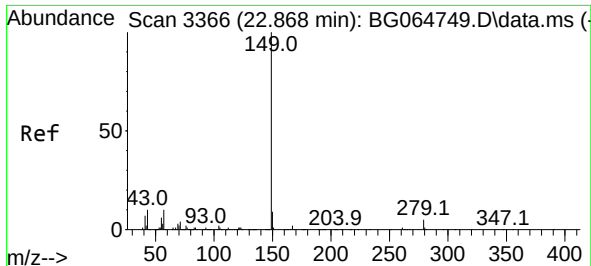
Reviewed By :Jagrut Upadhyay 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025



#82
 3,3'-Dichlorobenzidine
 Concen: 8.771 ng
 RT: 21.634 min Scan# 3156
 Delta R.T. -0.011 min
 Lab File: BG064829.D
 Acq: 20 Nov 2025 11:31

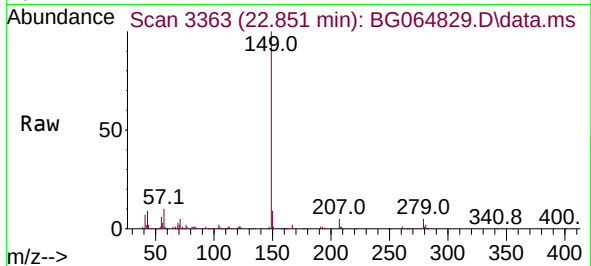
Tgt Ion:252 Resp: 107847
 Ion Ratio Lower Upper
 252 100
 254 63.6 51.8 77.8
 126 6.1 4.7 7.1





#85
Di-n-octyl phthalate
Concen: 9.134 ng
RT: 22.851 min Scan# 3366
Delta R.T. -0.017 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

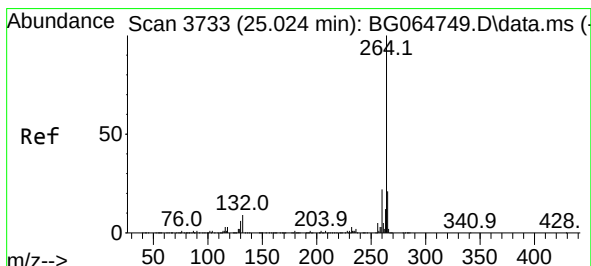
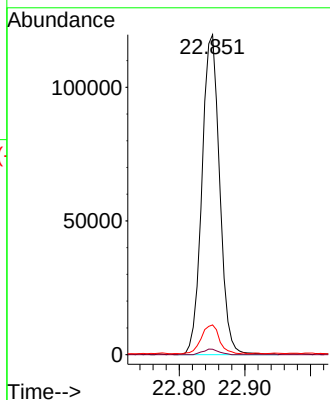
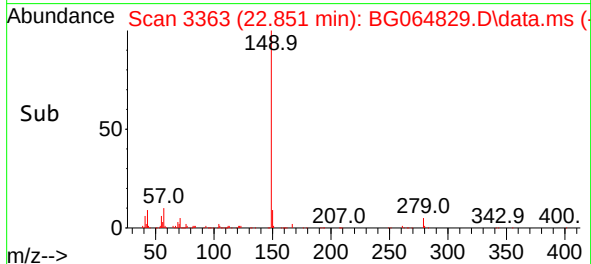
Instrument : BNA_G
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:149 Resp: 223437
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.0 8.3 12.5

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Supervised By :mohammad ahmed 11/22/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3730
Delta R.T. -0.017 min
Lab File: BG064829.D
Acq: 20 Nov 2025 11:31

Tgt Ion:264 Resp: 462368
Ion Ratio Lower Upper
264 100
260 23.8 17.2 25.8
265 21.0 16.6 25.0

