

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064263.D
 Acq On : 3 Sep 2025 21:15
 Operator : RC/JU
 Sample : Q2893-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Sep 04 01:15:51 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	37383	20.000	ng	0.00
21) Naphthalene-d8	10.638	136	171179	20.000	ng	#-0.01
39) Acenaphthene-d10	14.475	164	117143	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	230928	20.000	ng	0.00
76) Chrysene-d12	21.449	240	237019	20.000	ng	0.00
86) Perylene-d12	24.457	264	259479	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	261867	125.676	ng	0.00
7) Phenol-d6	7.025	99	379808	132.679	ng	0.00
23) Nitrobenzene-d5	9.011	82	288675	94.051	ng	0.00
42) 2,4,6-Tribromophenol	15.967	330	182521	117.633	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	706375	92.039	ng	0.00
79) Terphenyl-d14	19.839	244	1093174	96.226	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.664	42	16803	9.937	ng	94
9) Benzaldehyde	6.995	77	23829	10.115	ng	93
15) Benzyl Alcohol	8.088	79	25572	9.680	ng	99
20) 3+4-Methylphenols	8.617	107	31565	9.658	ng	95
32) Benzoic acid	9.916	122	11814m	6.118	ng	
35) Caprolactam	11.543	113	8128	8.178	ng	# 83
41) Hexachlorocyclopentadiene	12.653	237	19287	12.007	ng	92
54) 2,4-Dinitrophenol	14.587	184	6364	10.925	ng	91
56) 4-Nitrophenol	14.686	139	10003	6.782	ng	# 90
65) 4,6-Dinitro-2-methylph...	15.597	198	12633	9.528	ng	89
70) Pentachlorophenol	16.872	266	14603	8.842	ng	# 85
77) Benzidine	19.451	184	69717	13.982	ng	99
82) 3,3'-Dichlorobenzidine	21.349	252	56057	11.351	ng	97
85) Di-n-octyl phthalate	22.495	149	156987	10.655	ng	99

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

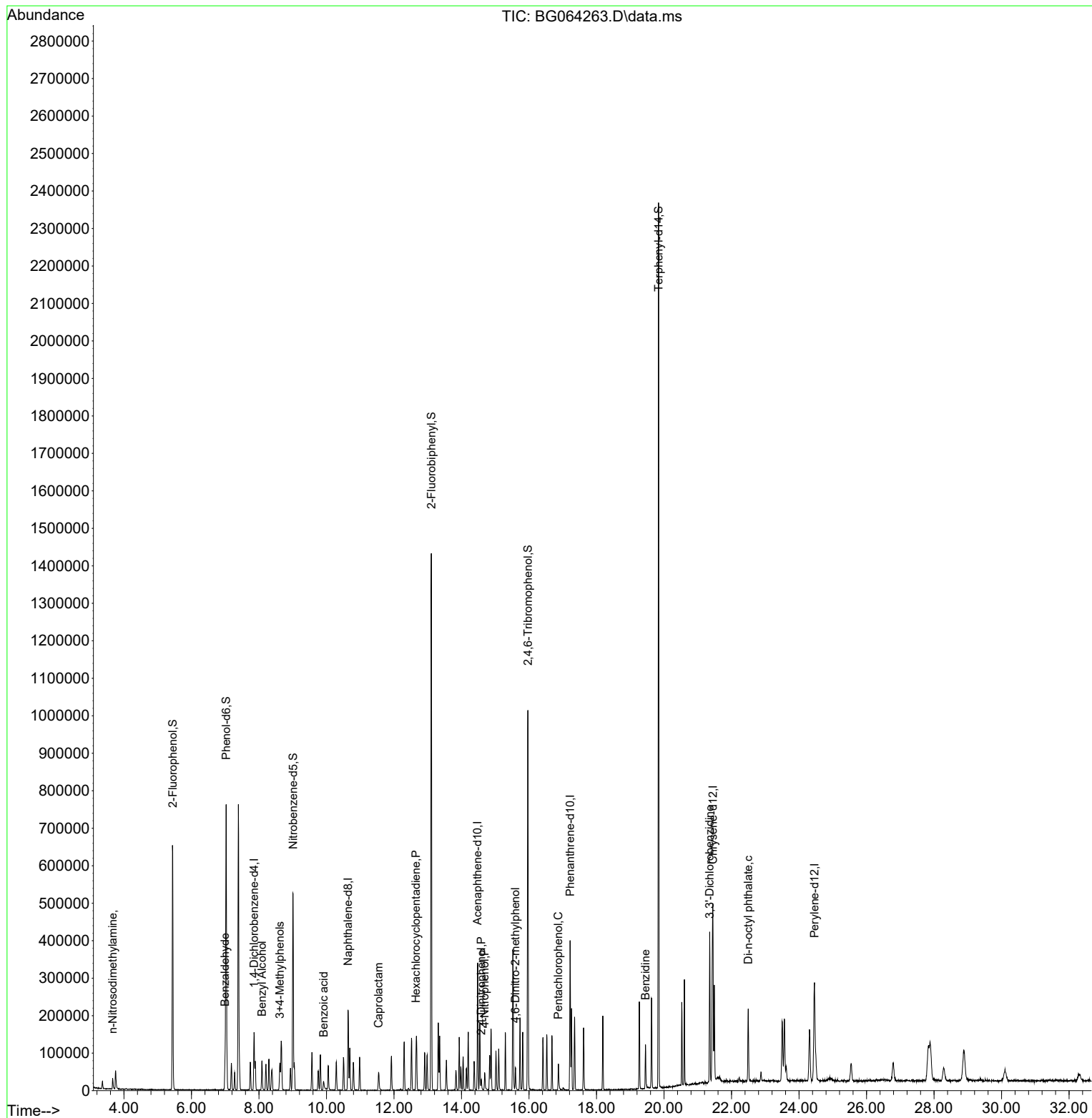
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
Data File : BG064263.D
Acq On : 3 Sep 2025 21:15
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ALS Vial : 15 Sample Multiplier: 1

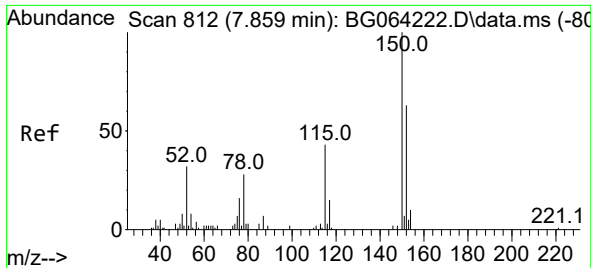
Instrument :
BNA_G
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Quant Time: Sep 04 01:15:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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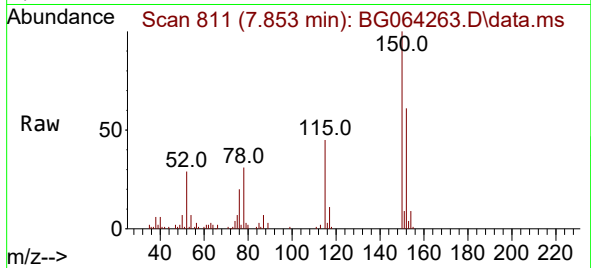
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.853 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

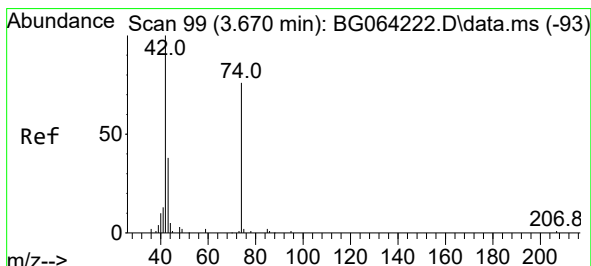
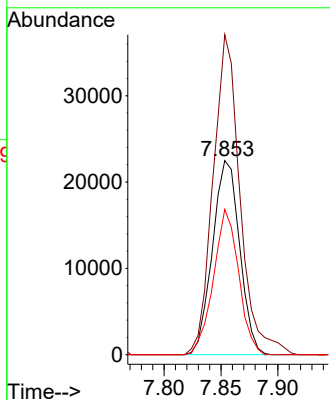
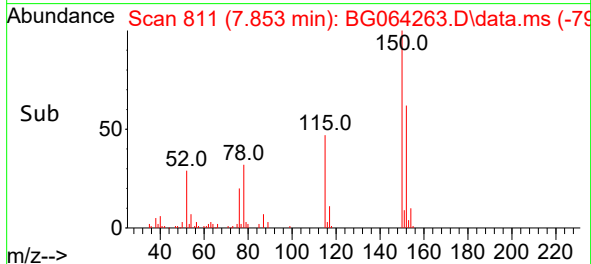
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion:152 Resp: 3738
Ion Ratio Lower Upper
152 100
150 164.9 128.0 192.0
115 74.9 55.7 83.5

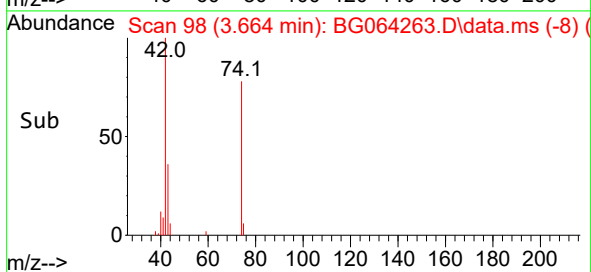
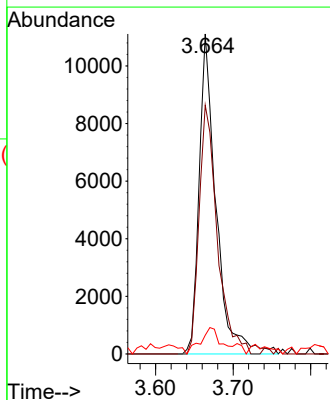
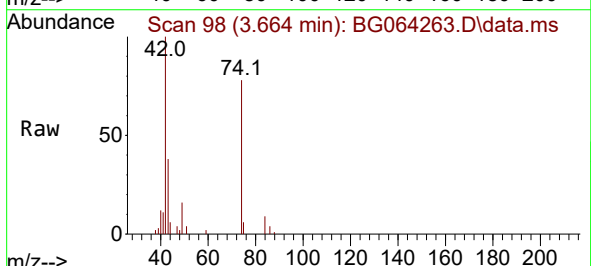
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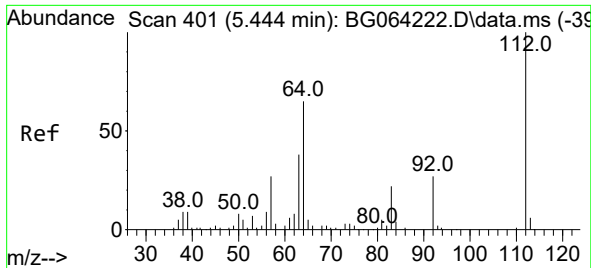
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#4
n-Nitrosodimethylamine
Concen: 9.937 ng
RT: 3.664 min Scan# 98
Delta R.T. -0.000 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

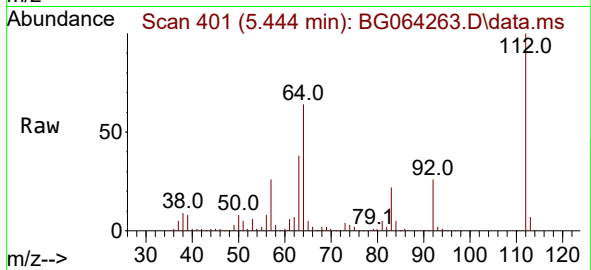
Tgt Ion: 42 Resp: 16803
Ion Ratio Lower Upper
42 100
74 77.7 58.0 87.0
44 5.9 5.5 8.3





#5
2-Fluorophenol
Concen: 125.676 ng
RT: 5.444 min Scan# 401
Delta R.T. -0.000 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

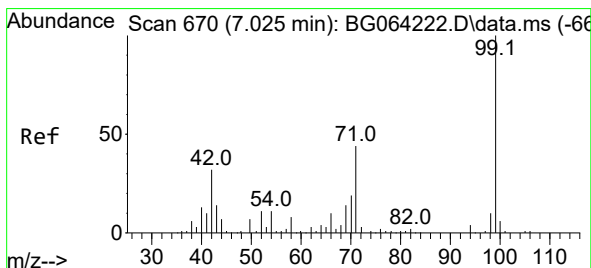
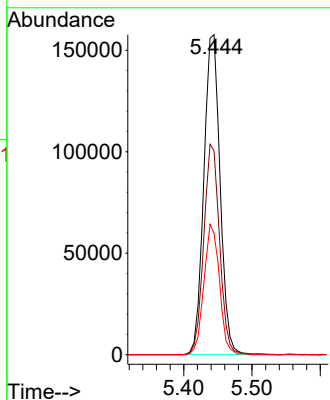
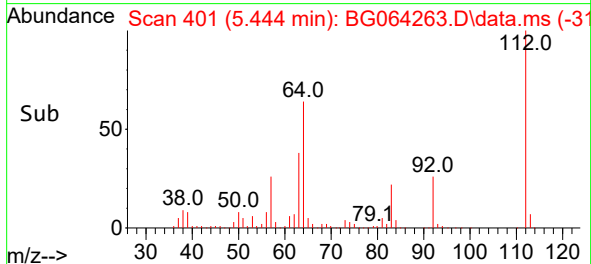
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion:112 Resp: 26186
Ion Ratio Lower Upper
112 100
64 63.8 51.8 77.6
63 37.9 30.6 45.8

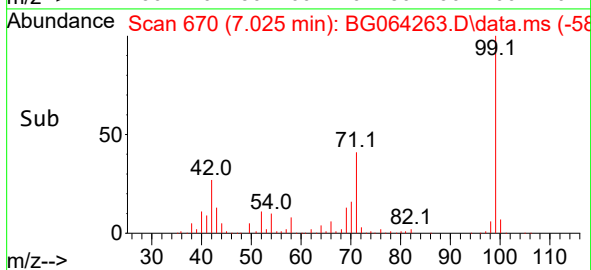
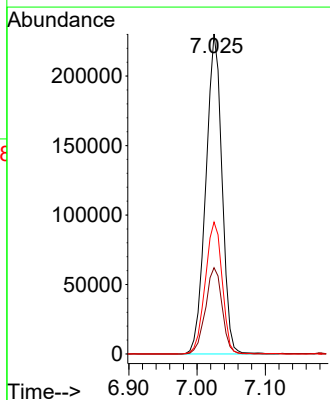
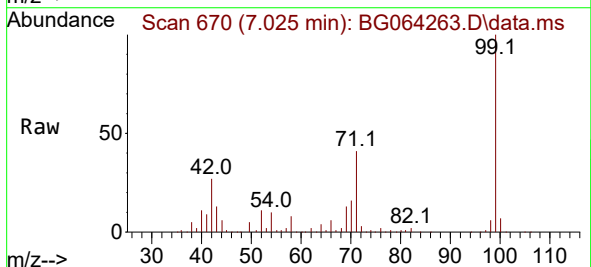
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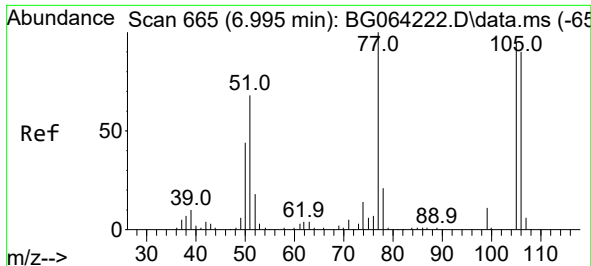
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#7
Phenol-d6
Concen: 132.679 ng
RT: 7.025 min Scan# 670
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

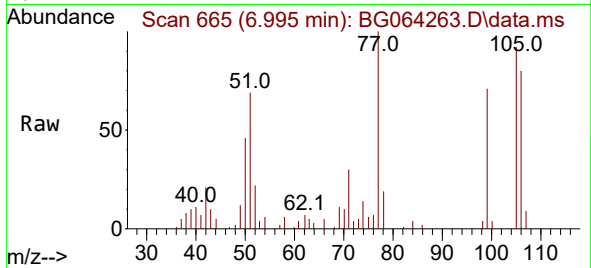
Tgt Ion: 99 Resp: 379808
Ion Ratio Lower Upper
99 100
42 27.0 25.8 38.8
71 41.2 35.2 52.8





#9
Benzaldehyde
Concen: 10.115 ng
RT: 6.995 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

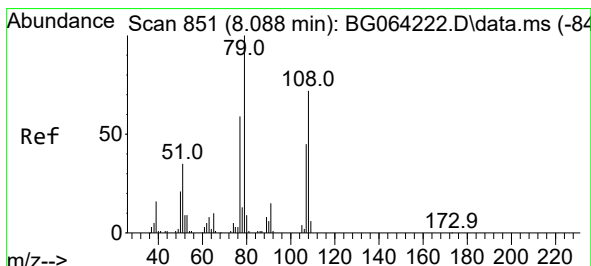
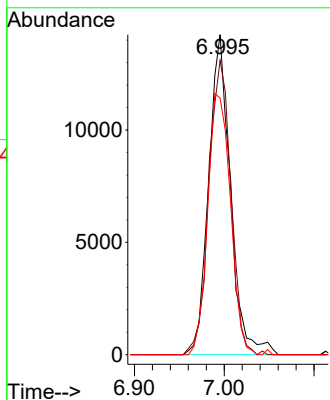
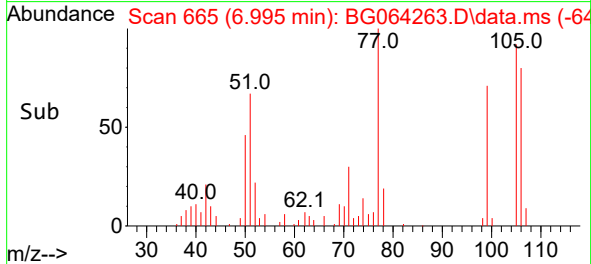
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 77 Resp: 23829
Ion Ratio Lower Upper
77 100
105 91.9 75.2 115.2
106 80.2 69.6 109.6

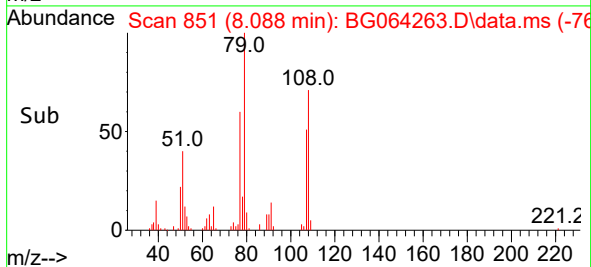
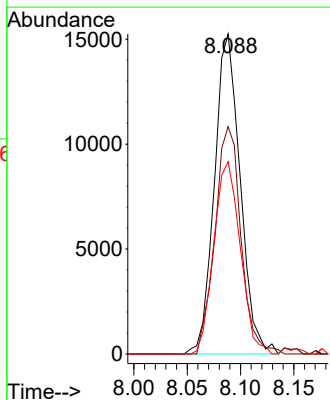
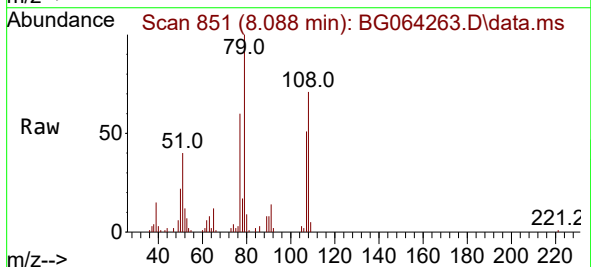
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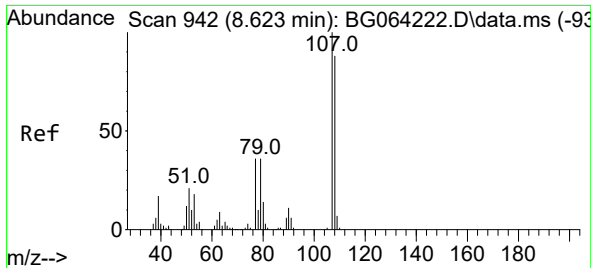
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#15
Benzyl Alcohol
Concen: 9.680 ng
RT: 8.088 min Scan# 851
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

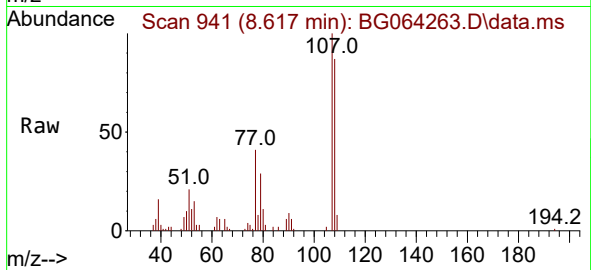
Tgt Ion: 79 Resp: 25572
Ion Ratio Lower Upper
79 100
108 71.0 57.4 86.0
77 60.0 47.2 70.8





#20
3+4-Methylphenols
Concen: 9.658 ng
RT: 8.617 min Scan# 942
Delta R.T. -0.012 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

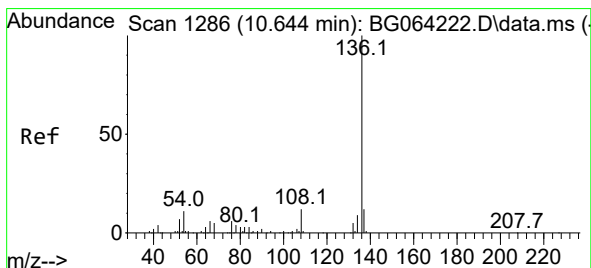
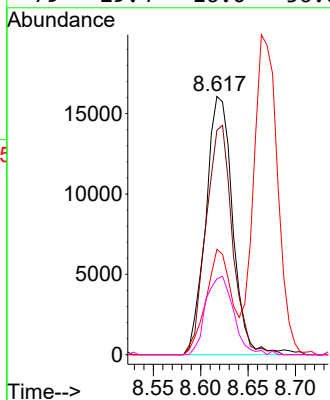
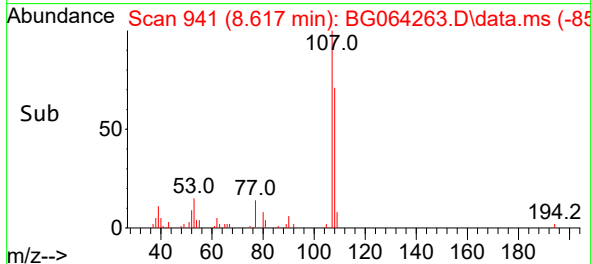
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



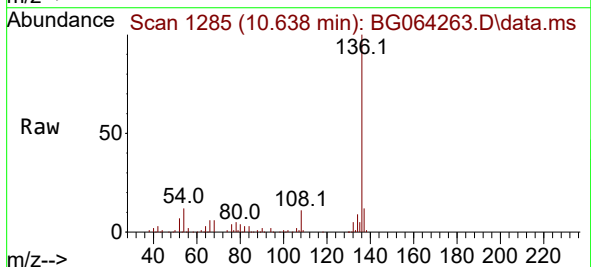
Tgt Ion:107 Resp: 3156
Ion Ratio Lower Upper
107 100
108 86.9 68.1 108.1
77 40.8 15.9 55.9
79 29.4 16.0 56.0

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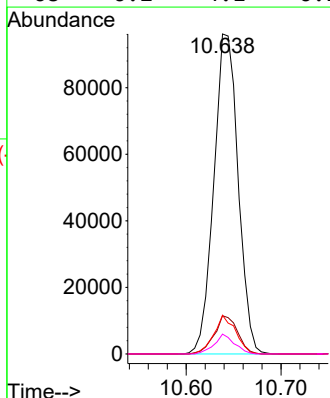
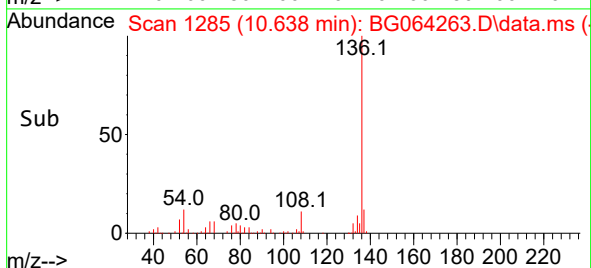
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

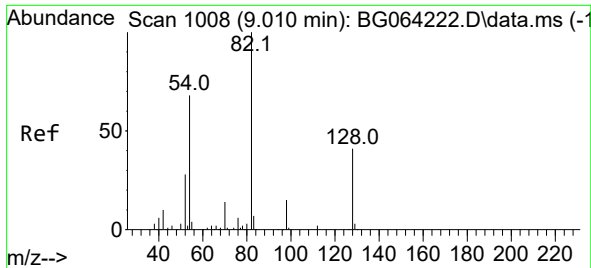


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.638 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15



Tgt Ion:136 Resp: 171179
Ion Ratio Lower Upper
136 100
137 11.9 9.6 14.4
54 12.1 8.8 13.2
68 6.2 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 94.051 ng

RT: 9.011 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BG064263.D

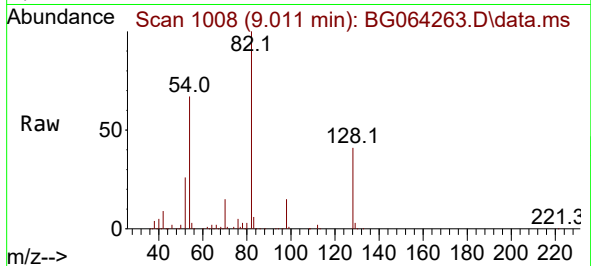
Acq: 3 Sep 2025 21:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025



Tgt Ion: 82 Resp: 28867

Ion Ratio Lower Upper

82 100

128 40.8 32.6 48.8

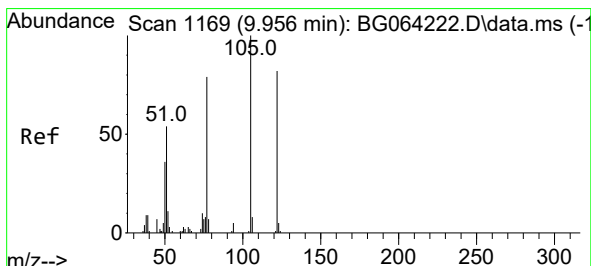
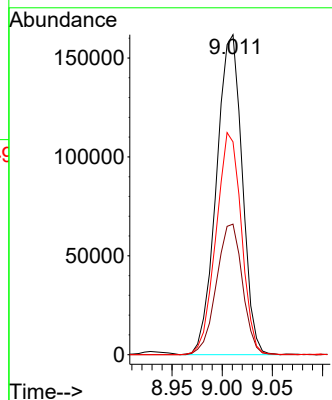
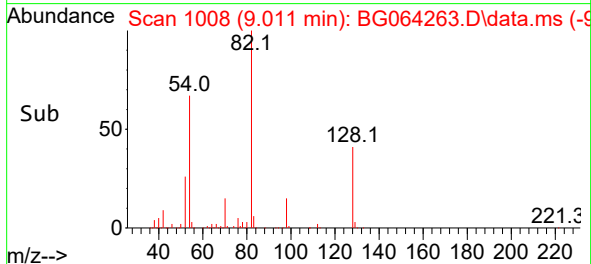
54 66.5 54.7 82.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/04/2025



#32

Benzoic acid

Concen: 6.118 ng m

RT: 9.916 min Scan# 1162

Delta R.T. -0.100 min

Lab File: BG064263.D

Acq: 3 Sep 2025 21:15

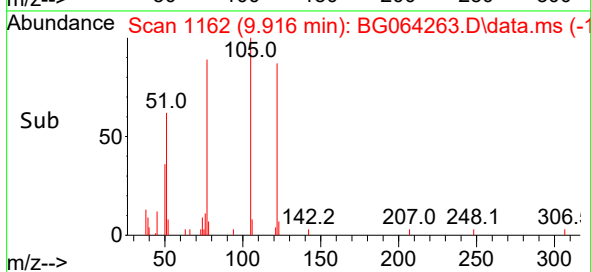
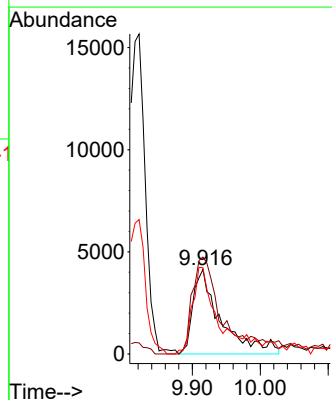
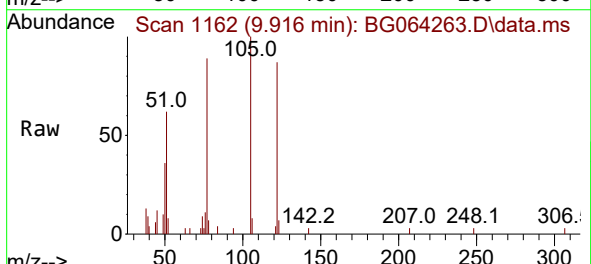
Tgt Ion:122 Resp: 11814

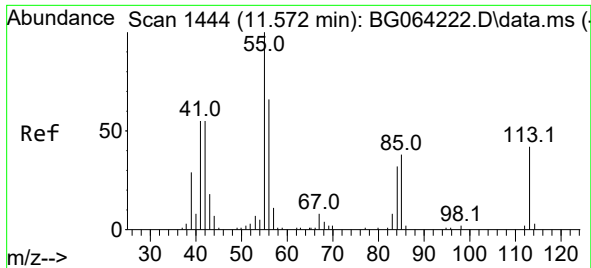
Ion Ratio Lower Upper

122 100

105 114.8 98.5 138.5

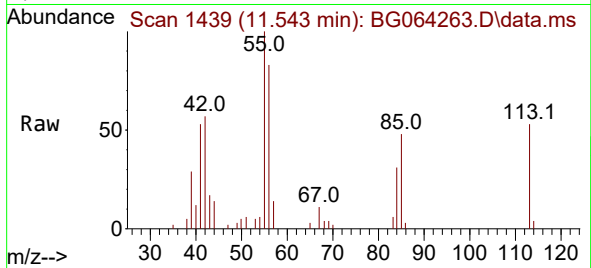
77 102.2 74.6 114.6





#35
Caprolactam
Concen: 8.178 ng
RT: 11.543 min Scan# 1444
Delta R.T. -0.059 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

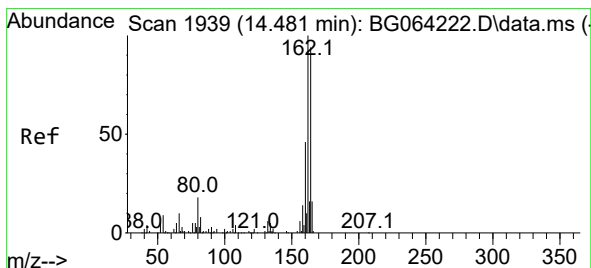
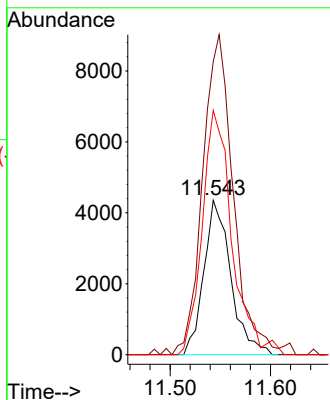
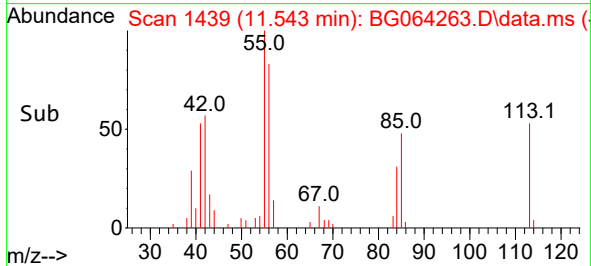
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion:113 Resp: 8128
Ion Ratio Lower Upper
113 100
55 189.8 218.5 258.5
56 158.3 138.5 178.5

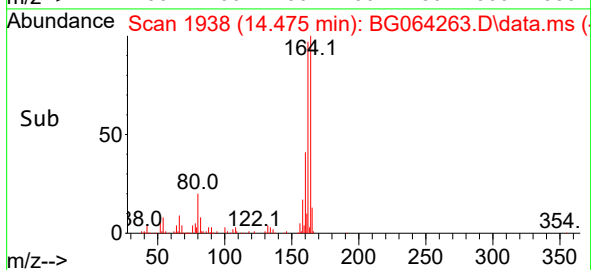
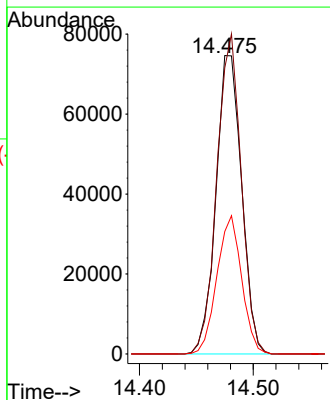
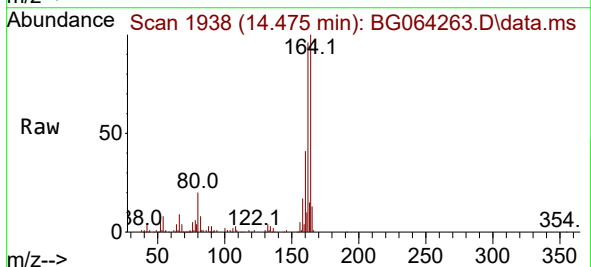
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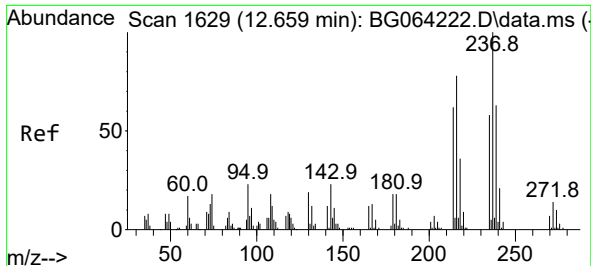
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

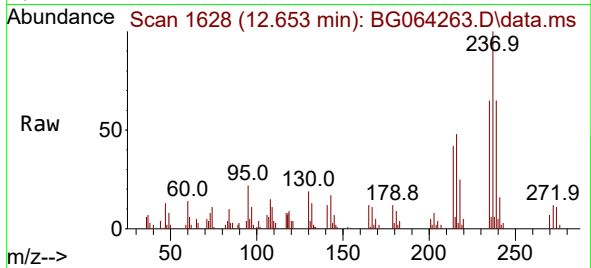
Tgt Ion:164 Resp: 117143
Ion Ratio Lower Upper
164 100
162 95.8 85.4 128.0
160 41.0 39.2 58.8





#41
Hexachlorocyclopentadiene
Concen: 12.007 ng
RT: 12.653 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

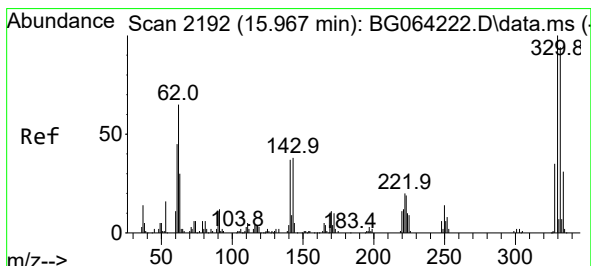
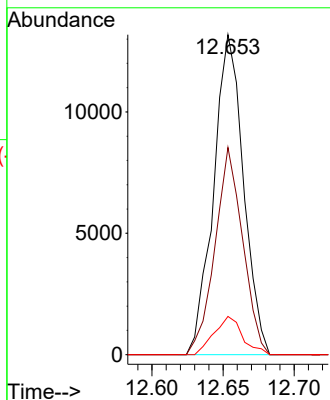
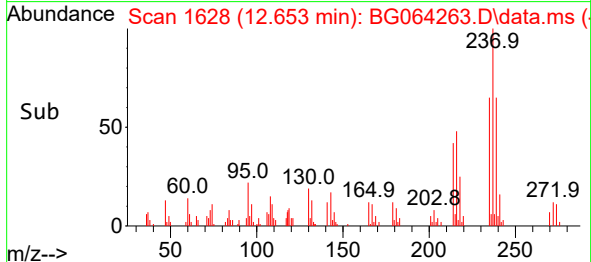
Instrument :
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LOQ-SOIL-02-QT3-2025



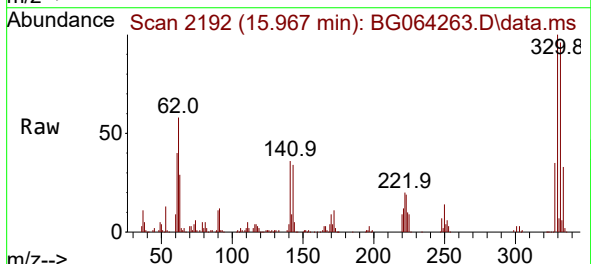
Tgt Ion: 237 Resp: 1928
Ion Ratio Lower Upper
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272 12.0 0.0 33.8

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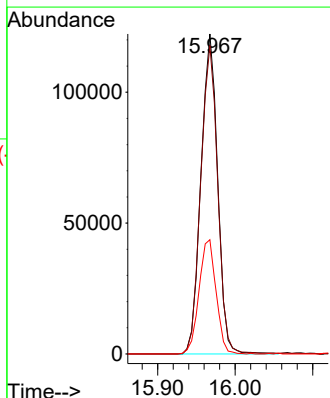
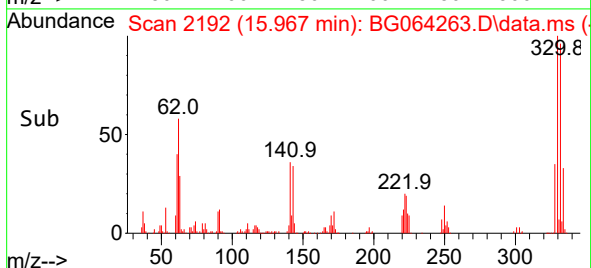
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

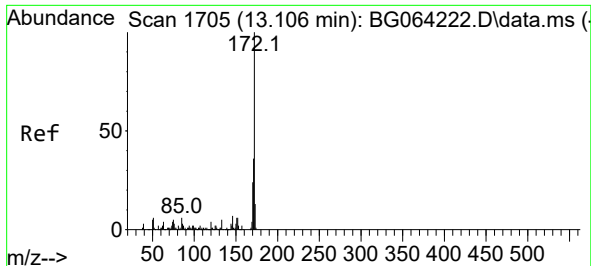


#42
2,4,6-Tribromophenol
Concen: 117.633 ng
RT: 15.967 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15



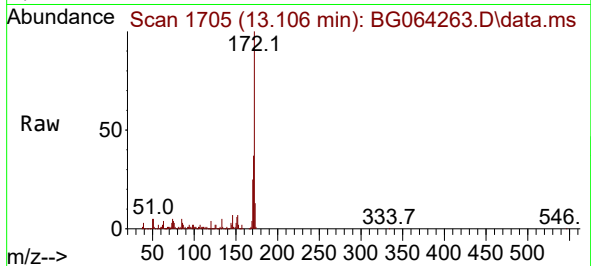
Tgt Ion: 330 Resp: 182521
Ion Ratio Lower Upper
330 100
332 97.9 77.6 116.4
141 36.5 29.8 44.6





#45
2-Fluorobiphenyl
Concen: 92.039 ng
RT: 13.106 min Scan# 1705
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

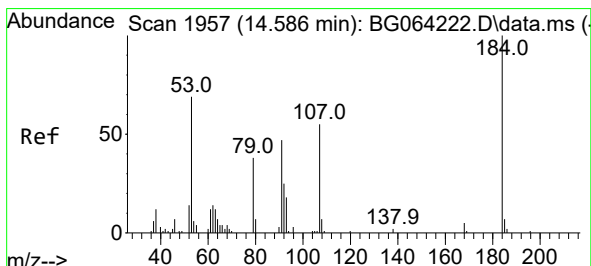
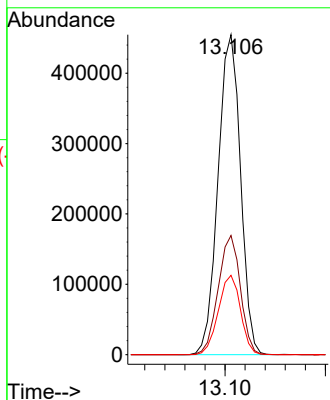
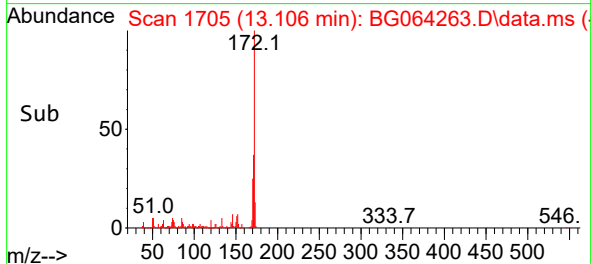
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



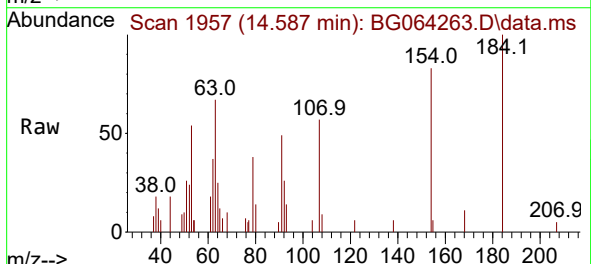
Tgt Ion:172 Resp: 706375
Ion Ratio Lower Upper
172 100
171 37.2 28.7 43.1
170 24.8 19.0 28.6

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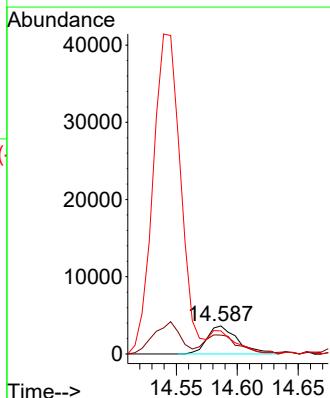
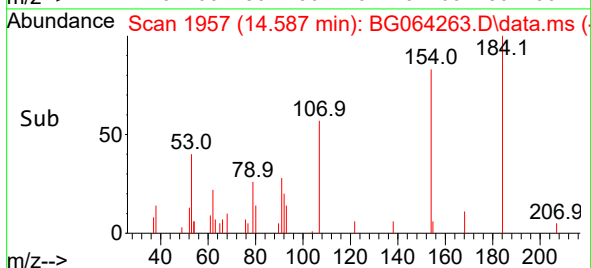
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

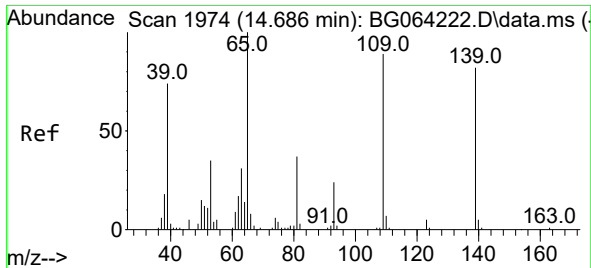


#54
2,4-Dinitrophenol
Concen: 10.925 ng
RT: 14.587 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15



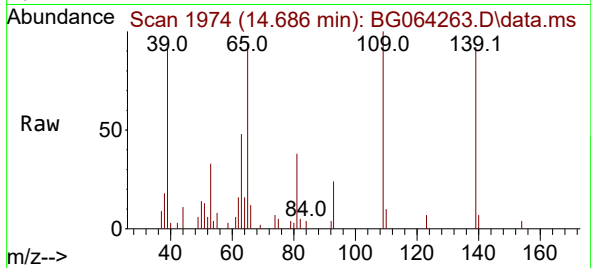
Tgt Ion:184 Resp: 6364
Ion Ratio Lower Upper
184 100
63 67.4 60.1 90.1
154 82.7 59.8 89.8





#56
4-Nitrophenol
Concen: 6.782 ng
RT: 14.686 min Scan# 1974
Delta R.T. -0.012 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

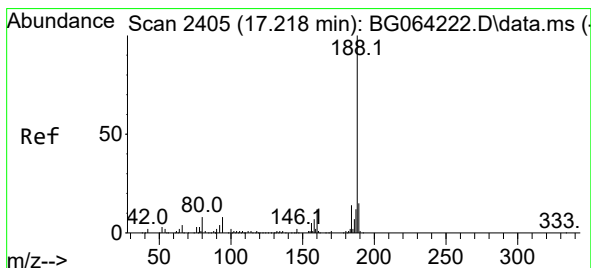
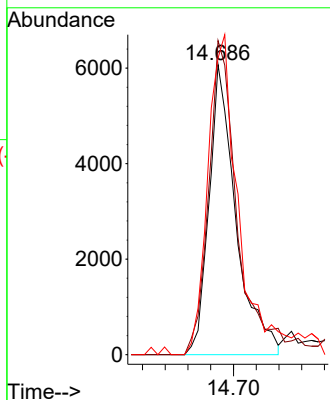
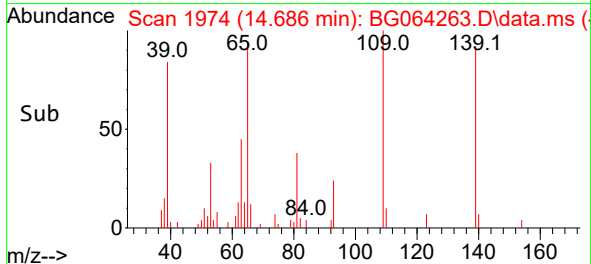
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2025



Tgt Ion:139 Resp: 1000
Ion Ratio Lower Upper
139 100
109 108.3 89.1 129.1
65 102.3 102.9 142.9

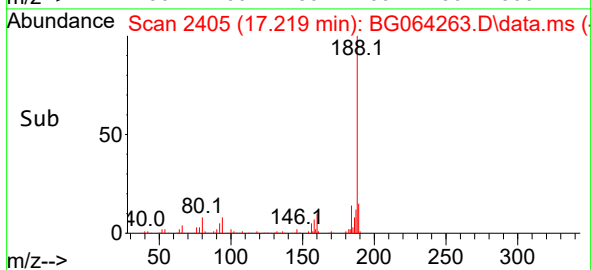
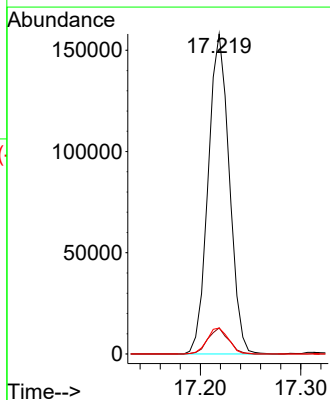
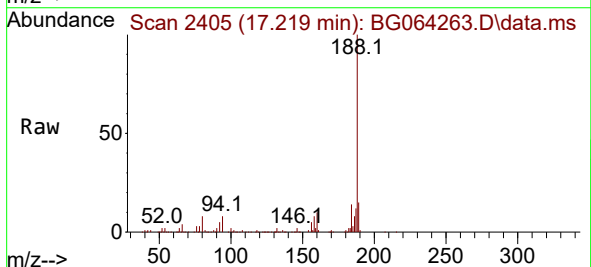
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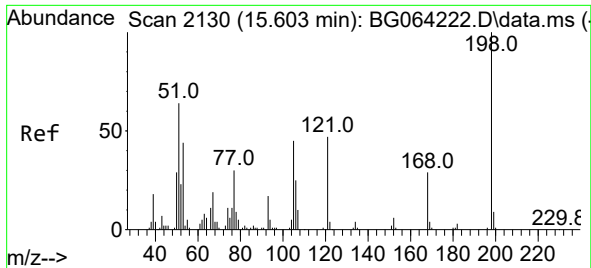
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

Tgt Ion:188 Resp: 230928
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.4
80 8.1 6.8 10.2





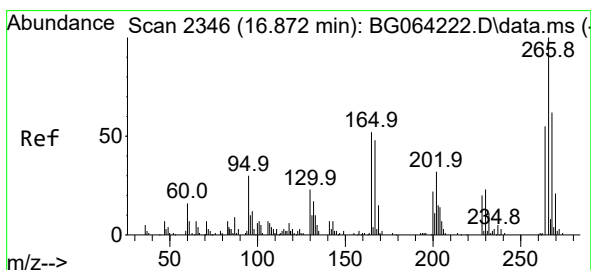
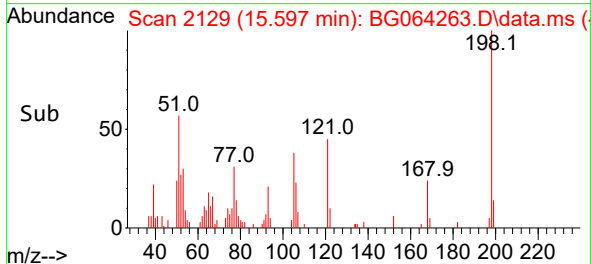
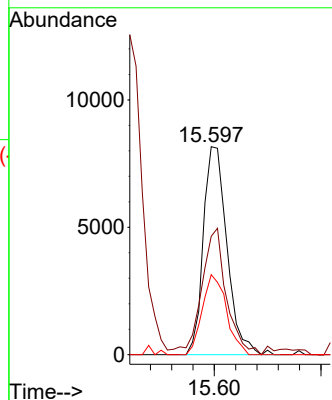
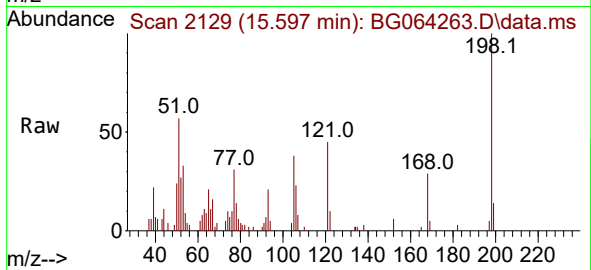
#65
4,6-Dinitro-2-methylphenol
Concen: 9.528 ng
RT: 15.597 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

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

Tgt Ion:198 Resp: 1263
Ion Ratio Lower Upper
198 100
51 56.9 46.2 86.2
105 38.4 25.0 65.0

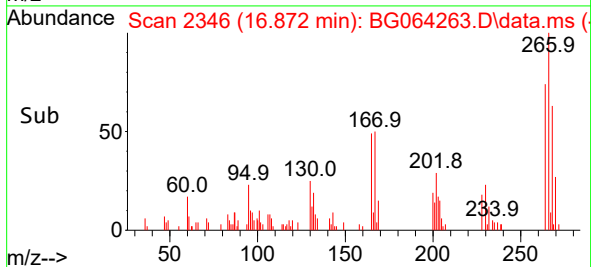
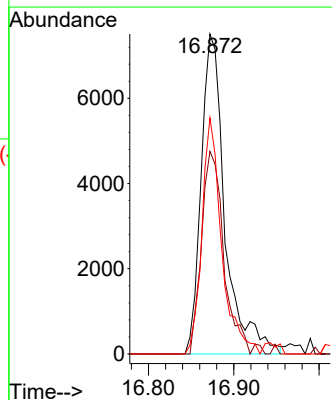
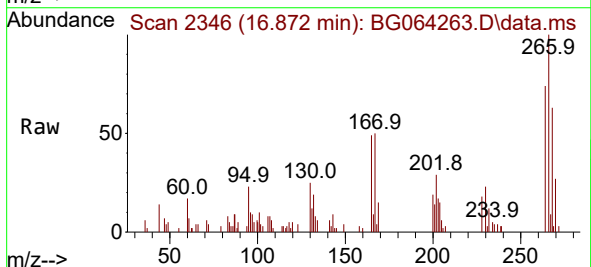
Manual Integrations
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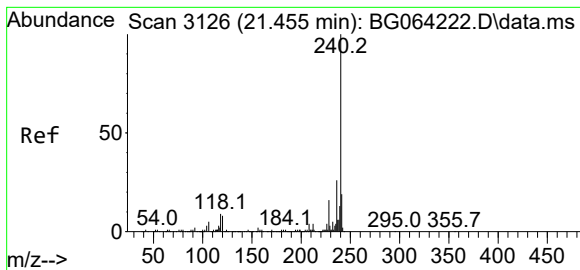
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#70
Pentachlorophenol
Concen: 8.842 ng
RT: 16.872 min Scan# 2346
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

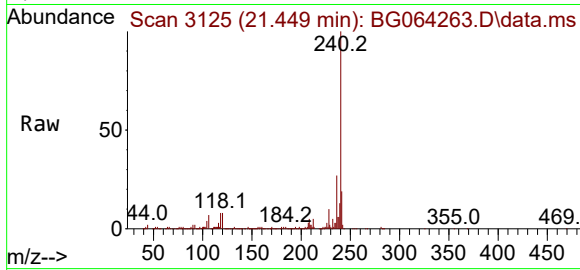
Tgt Ion:266 Resp: 14603
Ion Ratio Lower Upper
266 100
268 66.3 49.4 74.0
264 73.8 44.3 66.5#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

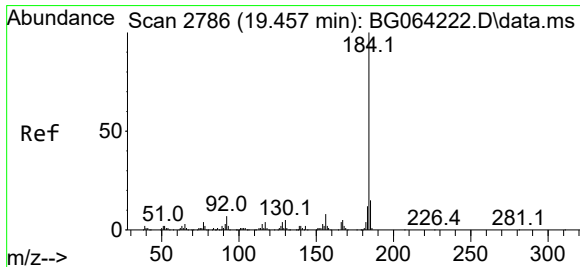
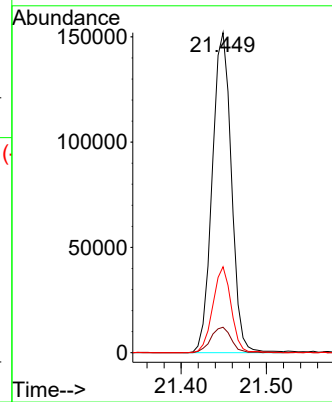
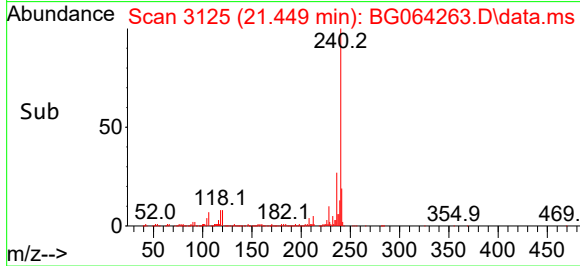
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



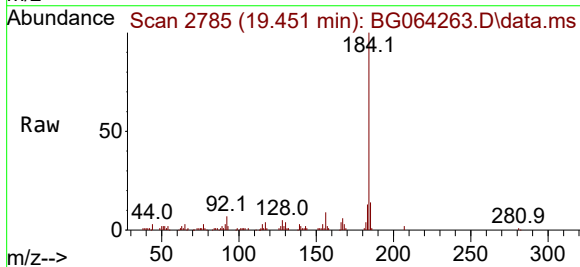
Tgt Ion:240 Resp: 237019
Ion Ratio Lower Upper
240 100
120 7.9 6.2 9.4
236 26.9 20.5 30.7

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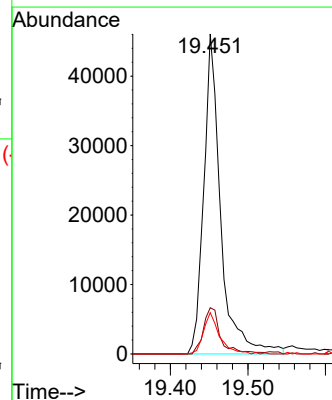
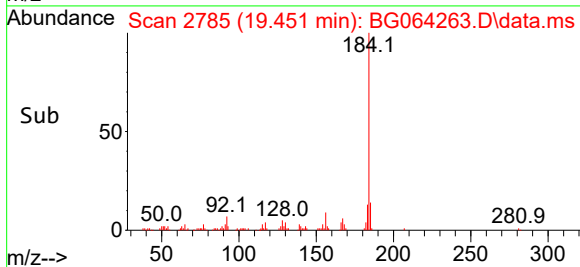
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

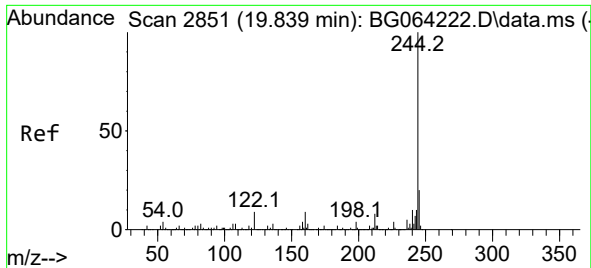


#77
Benzidine
Concen: 13.982 ng
RT: 19.451 min Scan# 2785
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15



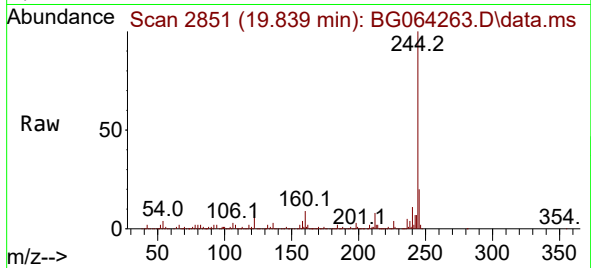
Tgt Ion:184 Resp: 69717
Ion Ratio Lower Upper
184 100
185 14.5 11.7 17.5
183 12.9 9.7 14.5





#79
 Terphenyl-d14
 Concen: 96.226 ng
 RT: 19.839 min Scan# 2108
 Delta R.T. -0.006 min
 Lab File: BG064263.D
 Acq: 3 Sep 2025 21:15

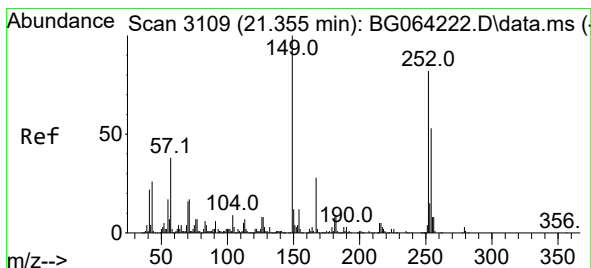
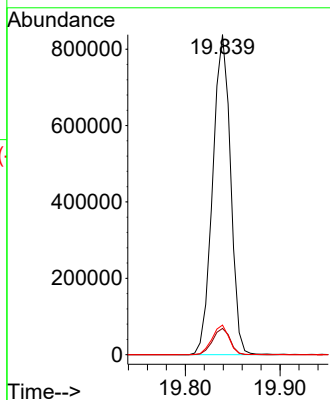
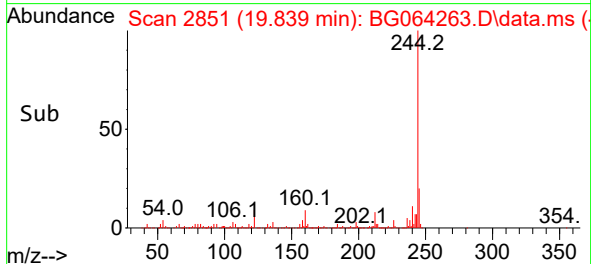
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025



Tgt Ion:244 Resp: 1093174
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 9.3 7.0 10.6

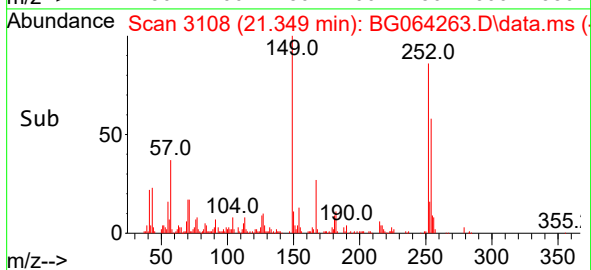
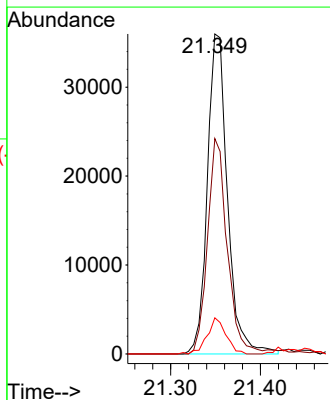
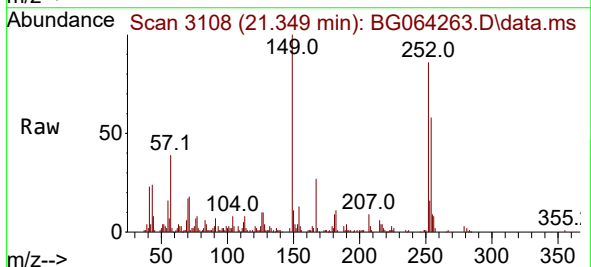
Manual Integrations
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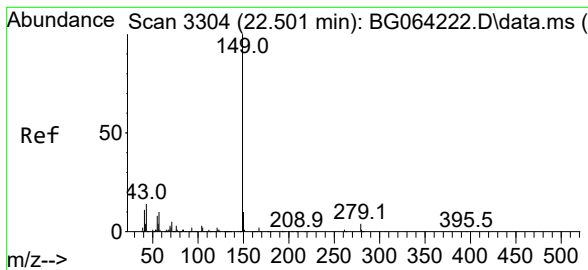
Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025



#82
 3,3'-Dichlorobenzidine
 Concen: 11.351 ng
 RT: 21.349 min Scan# 3108
 Delta R.T. -0.012 min
 Lab File: BG064263.D
 Acq: 3 Sep 2025 21:15

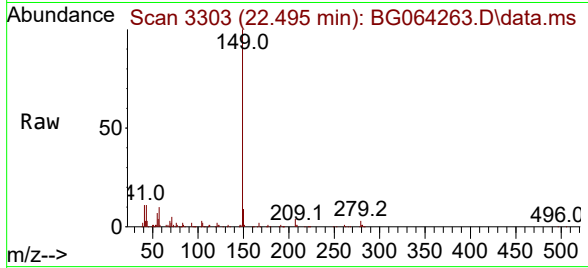
Tgt Ion:252 Resp: 56057
 Ion Ratio Lower Upper
 252 100
 254 67.3 51.9 77.9
 126 11.3 7.6 11.4





#85
Di-n-octyl phthalate
Concen: 10.655 ng
RT: 22.495 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

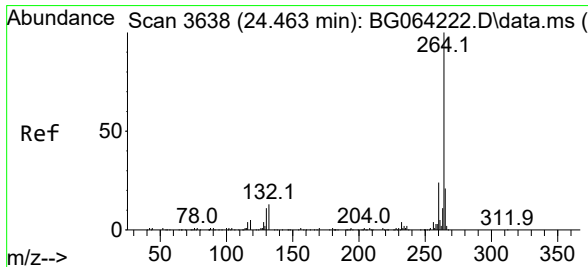
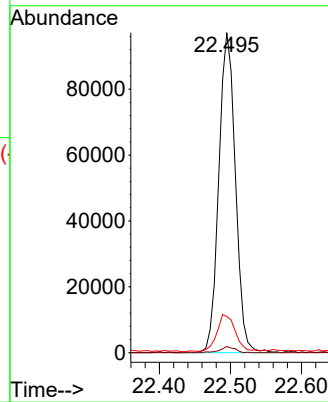
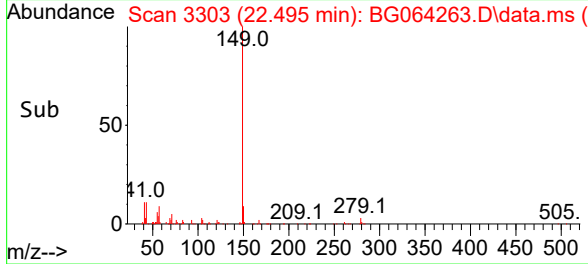
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion:149 Resp: 15698
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 13.2 10.8 16.2

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Supervised By :Jagrut Upadhyay 09/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.457 min Scan# 3637
Delta R.T. -0.006 min
Lab File: BG064263.D
Acq: 3 Sep 2025 21:15

Tgt Ion:264 Resp: 259479
Ion Ratio Lower Upper
264 100
260 24.8 18.9 28.3
265 21.9 16.7 25.1

