

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064261.D
 Acq On : 3 Sep 2025 19:53
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 04 01:35:23 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	7.854	152	34133	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	160840	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	111619	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	253223	20.000	ng	0.00
76) Chrysene-d12	21.450	240	256187	20.000	ng	0.00
86) Perylene-d12	24.458	264	277863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	235668	123.871	ng	0.00
7) Phenol-d6	7.025	99	334941	128.146	ng	0.00
23) Nitrobenzene-d5	9.005	82	262467	91.009	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	186589	126.206	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	650627	88.971	ng	0.00
79) Terphenyl-d14	19.840	244	1122913	91.448	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.665	42	14289	9.255	ng	# 66
9) Benzaldehyde	6.996	77	20964	9.746	ng	94
15) Benzyl Alcohol	8.083	79	23134	9.591	ng	88
20) 3+4-Methylphenols	8.623	107	27256	9.133	ng	97
32) Benzoic acid	9.910	122	11848m	6.530	ng	
35) Caprolactam	11.549	113	7931	8.492	ng	# 75
41) Hexachlorocyclopentadiene	12.654	237	17329	11.322	ng	82
54) 2,4-Dinitrophenol	14.587	184	6963	11.707	ng	94
56) 4-Nitrophenol	14.693	139	11480	8.168	ng	92
65) 4,6-Dinitro-2-methylph...	15.598	198	12700	8.736	ng	96
70) Pentachlorophenol	16.873	266	15713	8.677	ng	93
77) Benzidine	19.452	184	73418	13.623	ng	98
82) 3,3'-Dichlorobenzidine	21.350	252	57899	10.847	ng	99
85) Di-n-octyl phthalate	22.495	149	161371	10.133	ng	98

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

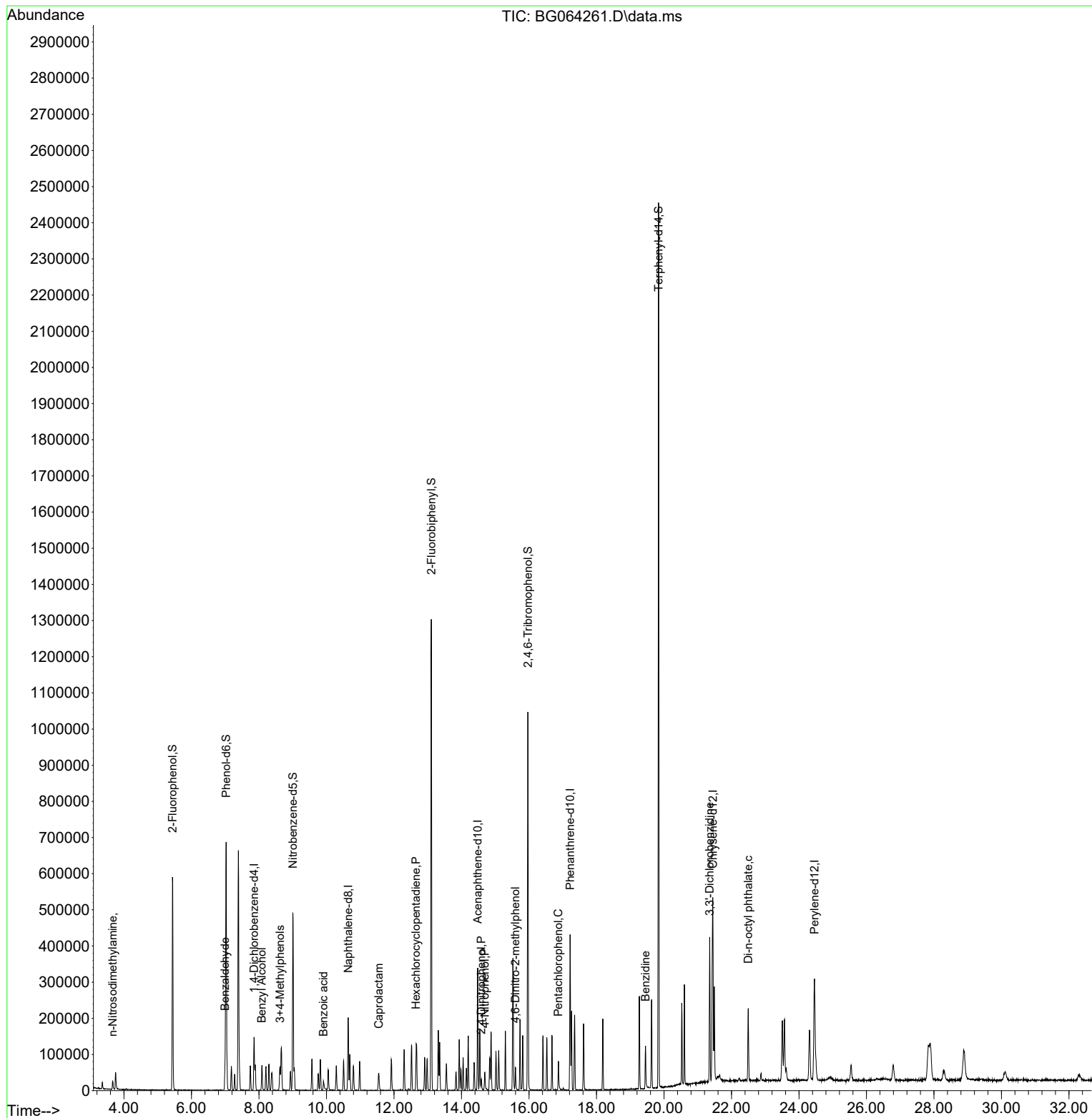
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
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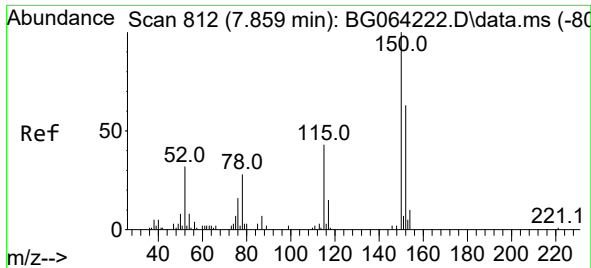
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Quant Time: Sep 04 01:35:23 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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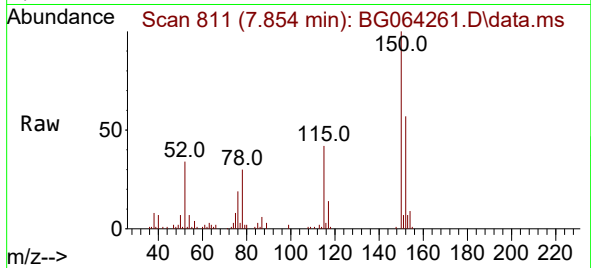
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.854 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

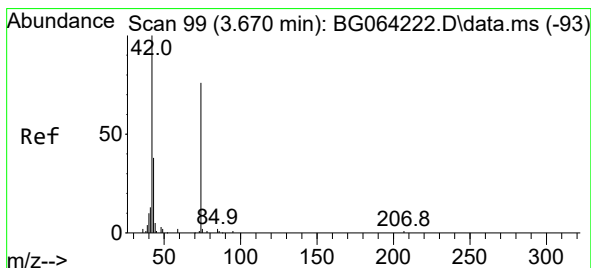
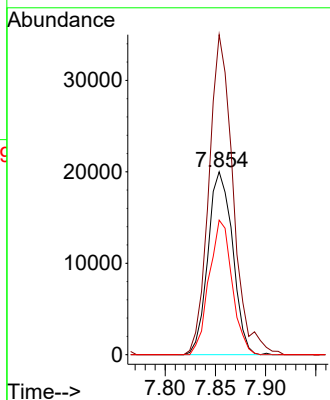
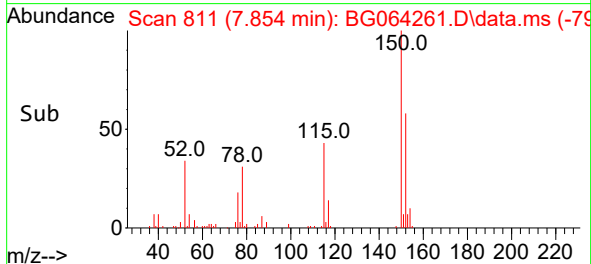
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2025



Tgt Ion: 152 Resp: 3413
Ion Ratio Lower Upper
152 100
150 175.0 128.0 192.0
115 73.6 55.7 83.5

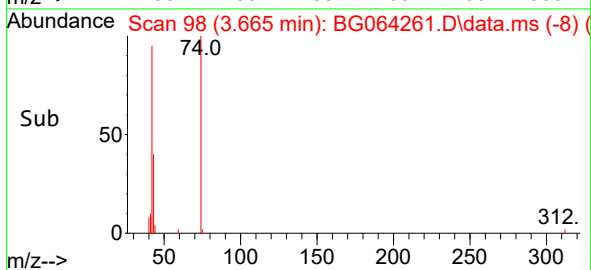
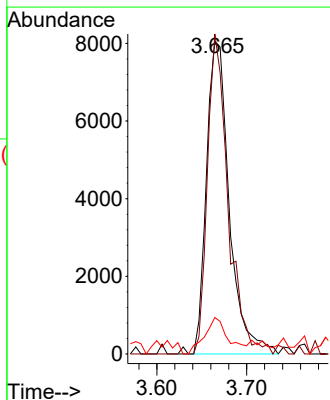
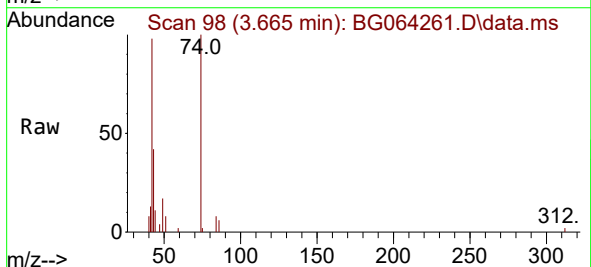
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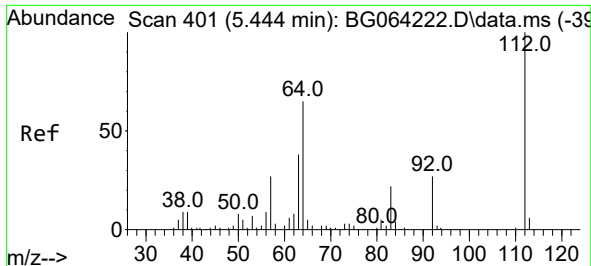
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#4
n-Nitrosodimethylamine
Concen: 9.255 ng
RT: 3.665 min Scan# 98
Delta R.T. 0.001 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

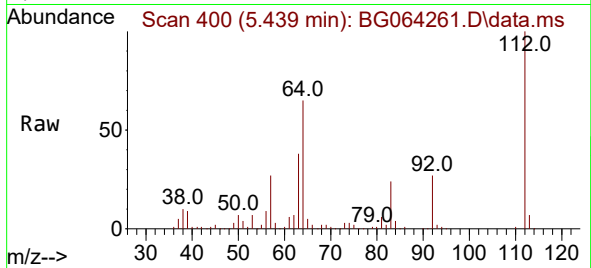
Tgt Ion: 42 Resp: 14289
Ion Ratio Lower Upper
42 100
74 102.4 58.0 87.0#
44 11.7 5.5 8.3#





#5
2-Fluorophenol
Concen: 123.871 ng
RT: 5.439 min Scan# 401
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

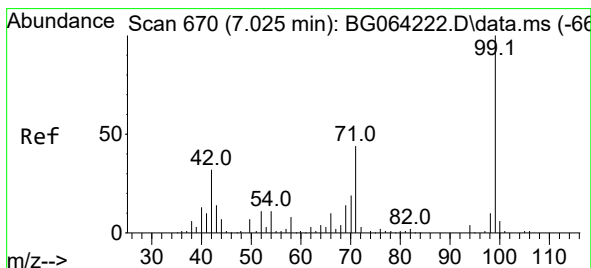
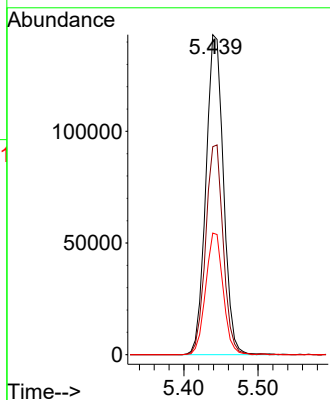
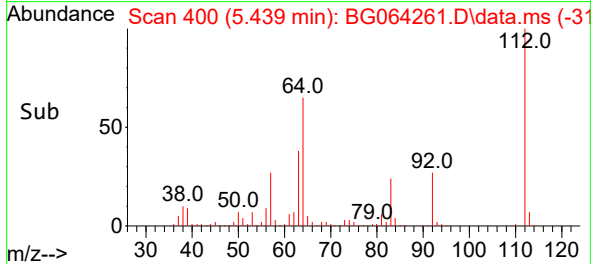
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:112 Resp: 235668
Ion Ratio Lower Upper
112 100
64 65.0 51.8 77.6
63 38.0 30.6 45.8

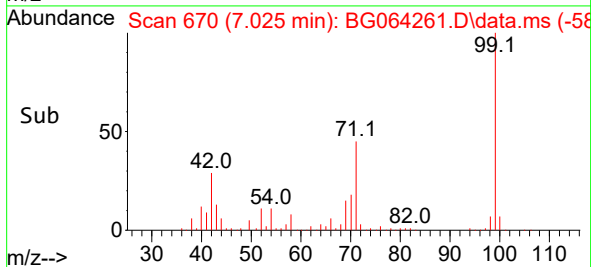
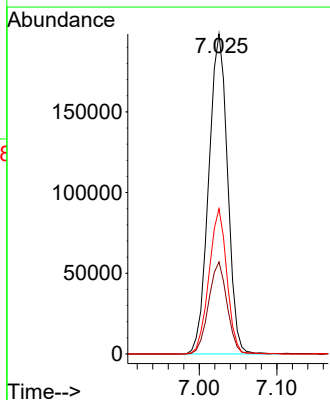
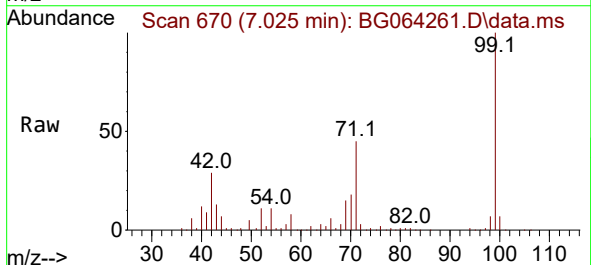
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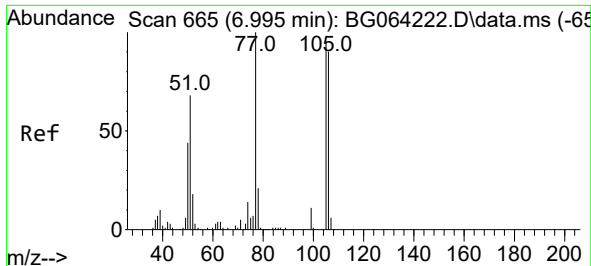
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#7
Phenol-d6
Concen: 128.146 ng
RT: 7.025 min Scan# 670
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

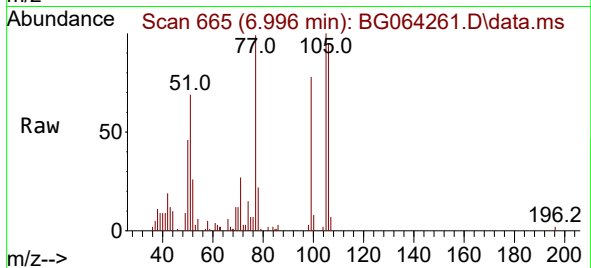
Tgt Ion: 99 Resp: 334941
Ion Ratio Lower Upper
99 100
42 28.8 25.8 38.8
71 45.4 35.2 52.8





#9
Benzaldehyde
Concen: 9.746 ng
RT: 6.996 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

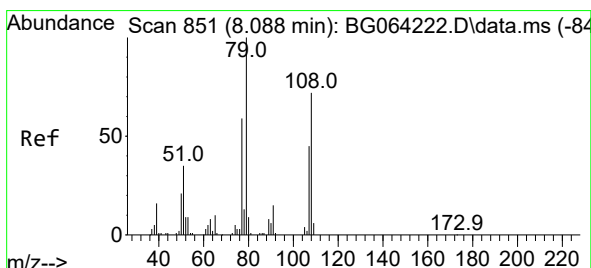
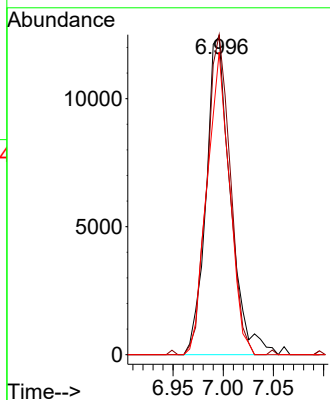
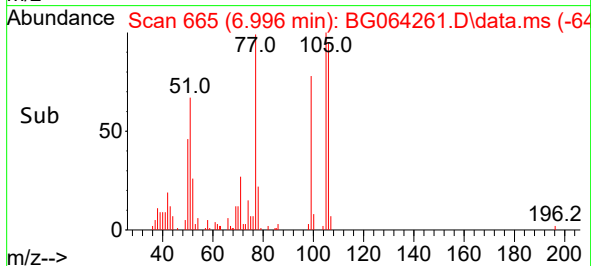
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 77 Resp: 20964
Ion Ratio Lower Upper
77 100
105 100.6 75.2 115.2
106 95.1 69.6 109.6

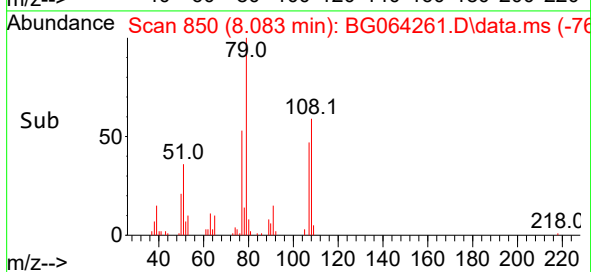
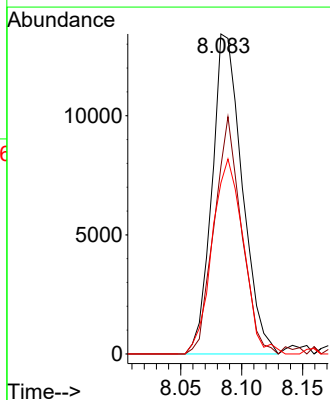
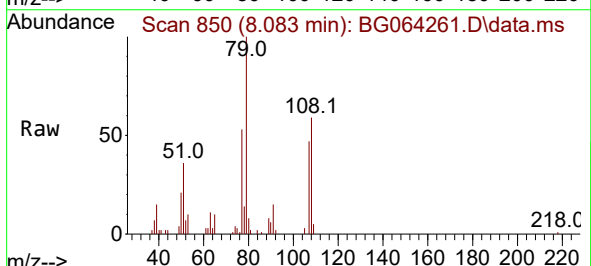
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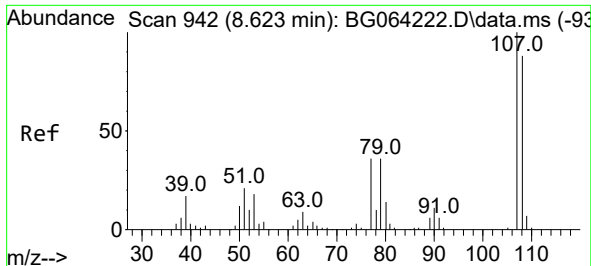
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#15
Benzyl Alcohol
Concen: 9.591 ng
RT: 8.083 min Scan# 850
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

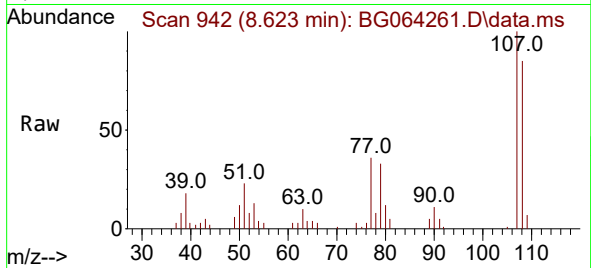
Tgt Ion: 79 Resp: 23134
Ion Ratio Lower Upper
79 100
108 58.6 57.4 86.0
77 53.5 47.2 70.8





#20
3+4-Methylphenols
Concen: 9.133 ng
RT: 8.623 min Scan# 942
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

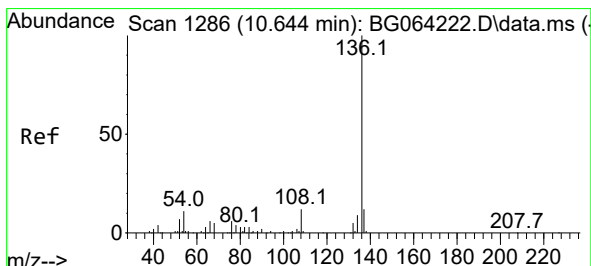
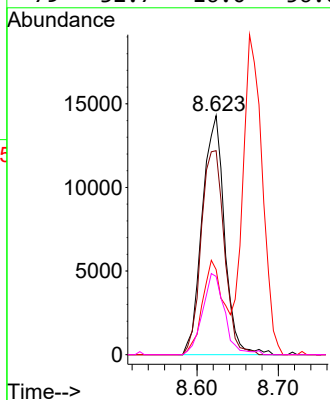
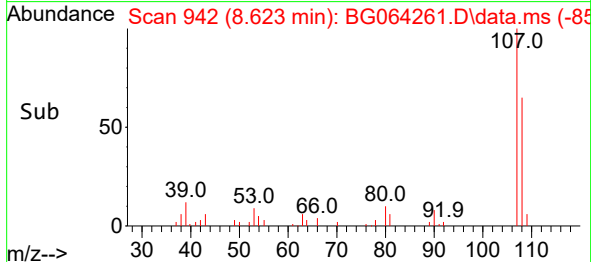
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2025



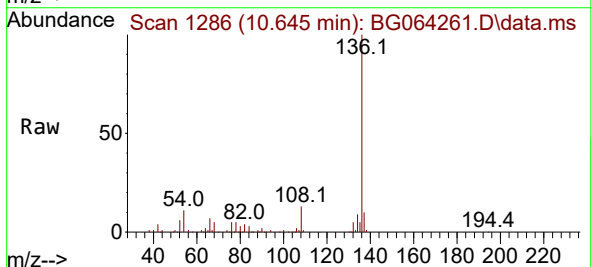
Tgt Ion:107 Resp: 27250
Ion Ratio Lower Upper
107 100
108 85.3 68.1 108.1
77 35.6 15.9 55.9
79 32.7 16.0 56.0

Manual Integrations
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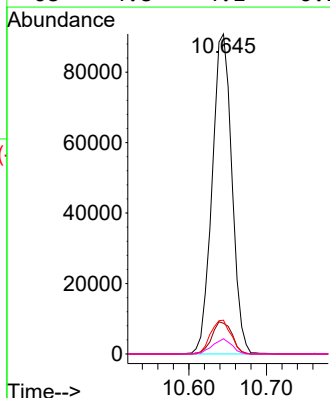
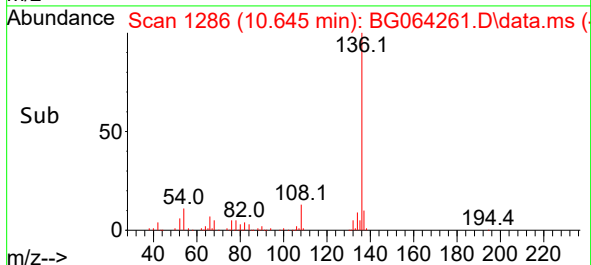
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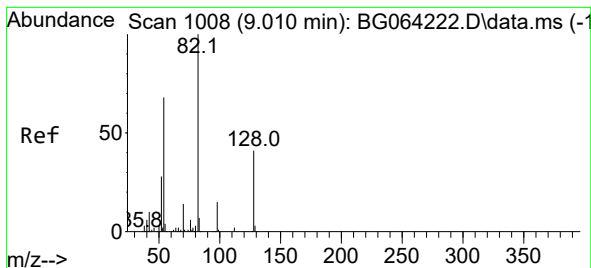


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1286
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53



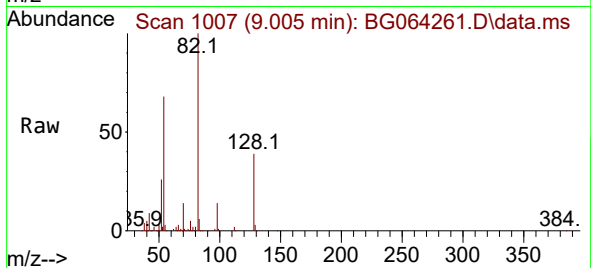
Tgt Ion:136 Resp: 160840
Ion Ratio Lower Upper
136 100
137 9.6 9.6 14.4
54 10.5 8.8 13.2
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 91.009 ng
RT: 9.005 min Scan# 1107
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

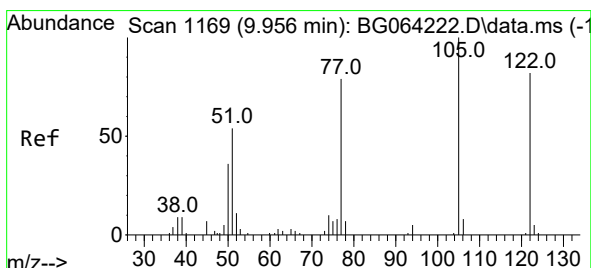
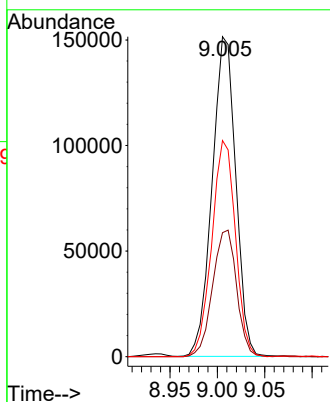
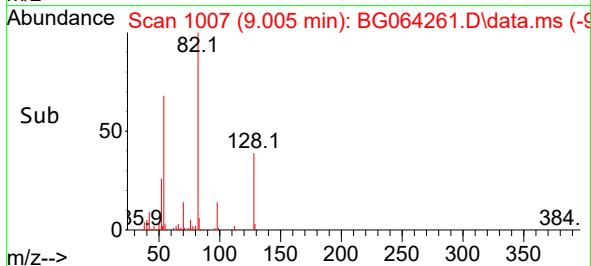
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 82 Resp: 26246
Ion Ratio Lower Upper
82 100
128 38.8 32.6 48.8
54 67.5 54.7 82.1

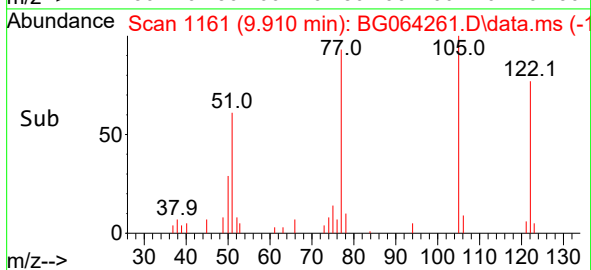
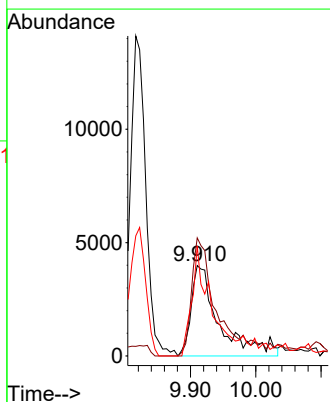
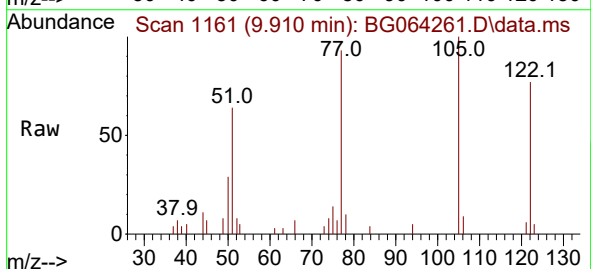
Manual Integrations
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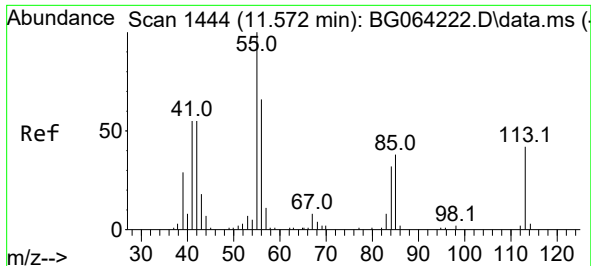
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#32
Benzoic acid
Concen: 6.530 ng m
RT: 9.910 min Scan# 1161
Delta R.T. -0.105 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

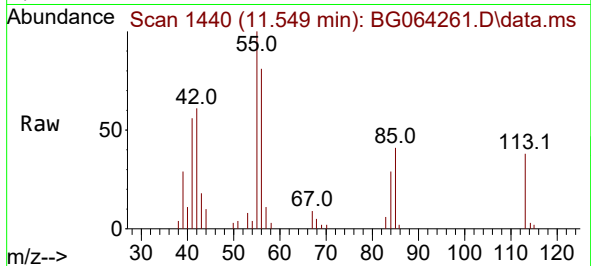
Tgt Ion:122 Resp: 11848
Ion Ratio Lower Upper
122 100
105 130.5 98.5 138.5
77 121.8 74.6 114.6#





#35
Caprolactam
Concen: 8.492 ng
RT: 11.549 min Scan# 1440
Delta R.T. -0.052 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

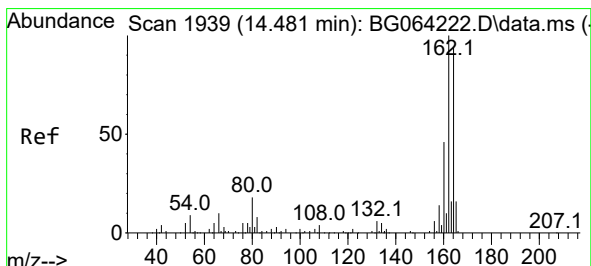
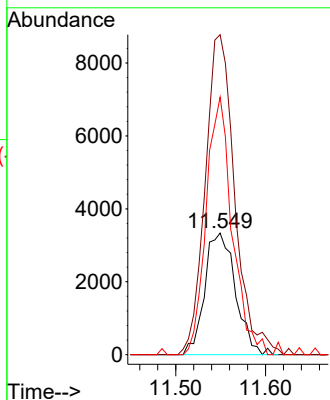
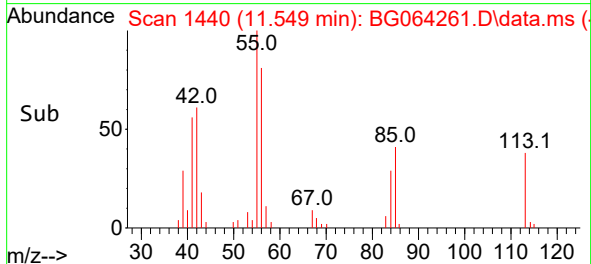
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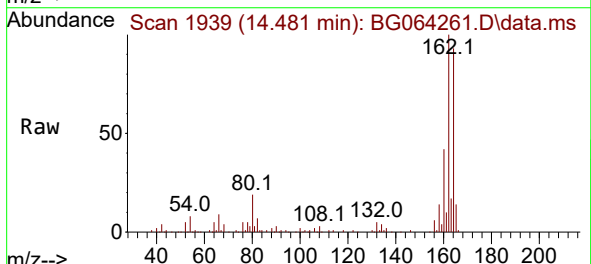
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Ion Ratio Lower Upper
113 100
55 263.0 218.5 258.5
56 211.7 138.5 178.5

Manual Integrations
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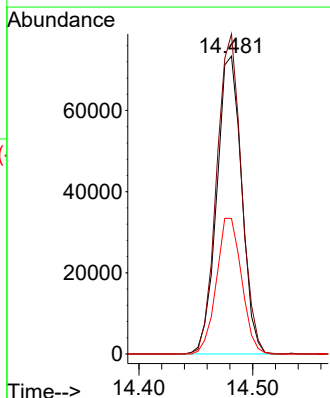
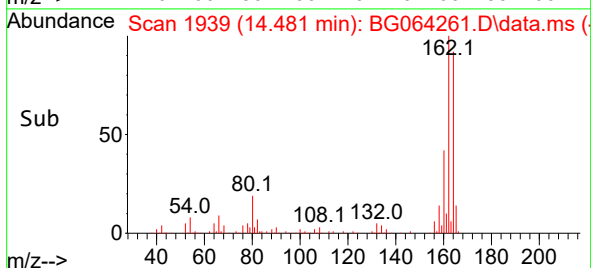
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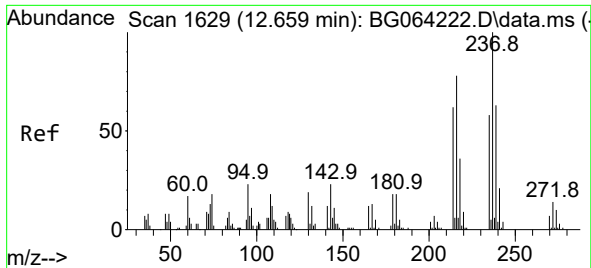


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53



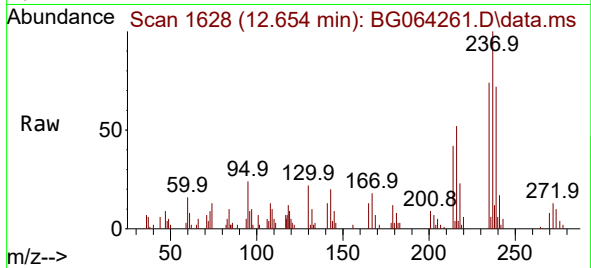
Tgt Ion:164 Resp: 111619
Ion Ratio Lower Upper
164 100
162 107.4 85.4 128.0
160 45.5 39.2 58.8





#41
Hexachlorocyclopentadiene
Concen: 11.322 ng
RT: 12.654 min Scan# 1628
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

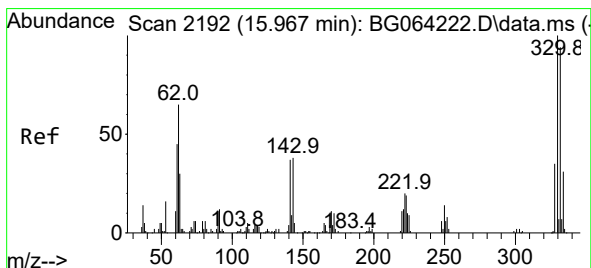
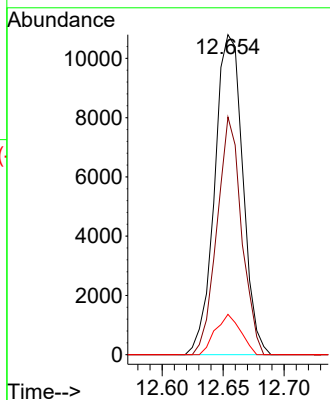
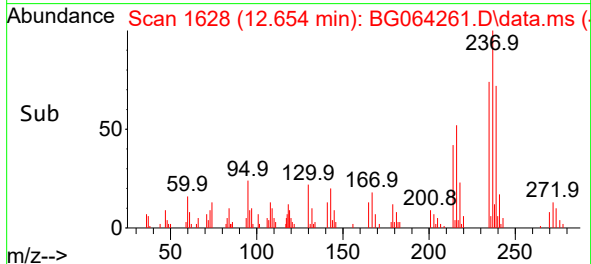
Instrument :
BNA_G
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LOQ-SOIL-02-QT2-2025



Tgt Ion:237 Resp: 17329
Ion Ratio Lower Upper
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235 74.3 37.9 77.9
272 12.6 0.0 33.8

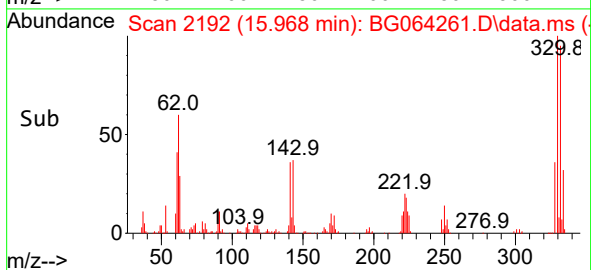
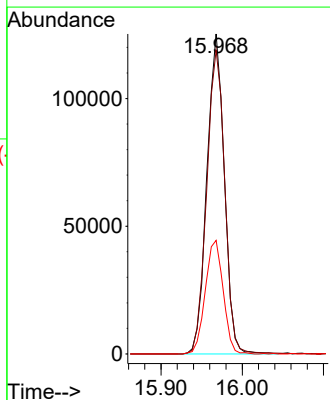
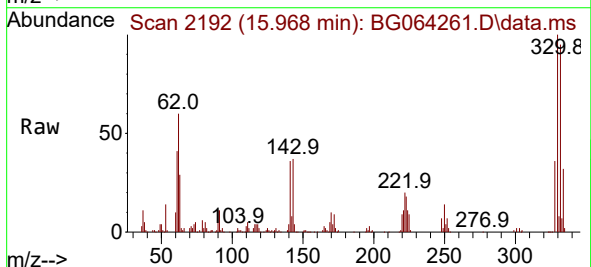
Manual Integrations
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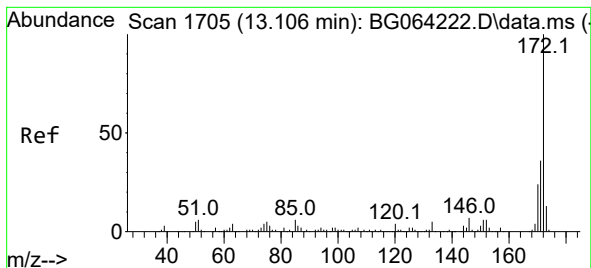
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#42
2,4,6-Tribromophenol
Concen: 126.206 ng
RT: 15.968 min Scan# 2192
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

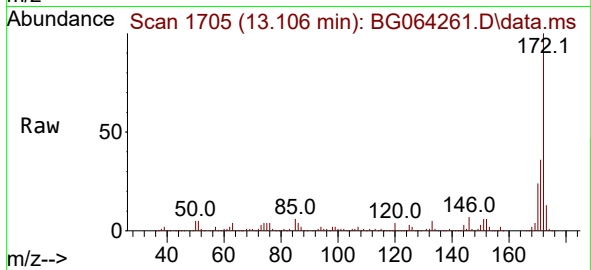
Tgt Ion:330 Resp: 186589
Ion Ratio Lower Upper
330 100
332 98.4 77.6 116.4
141 36.4 29.8 44.6





#45
2-Fluorobiphenyl
Concen: 88.971 ng
RT: 13.106 min Scan# 1705
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

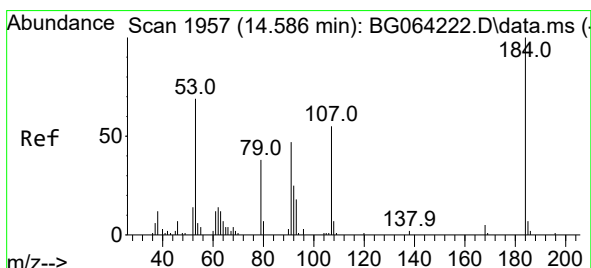
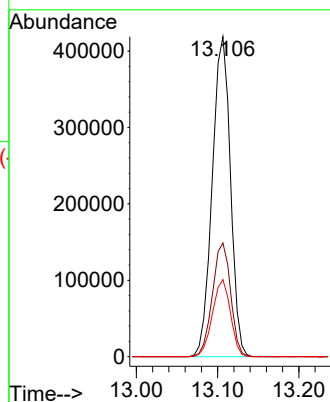
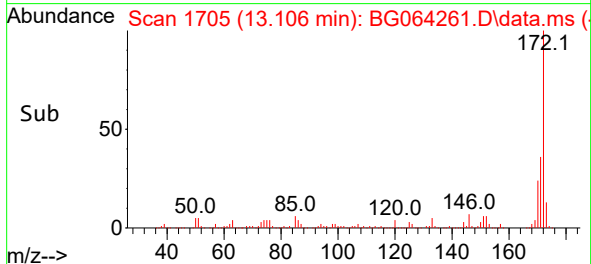
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2025



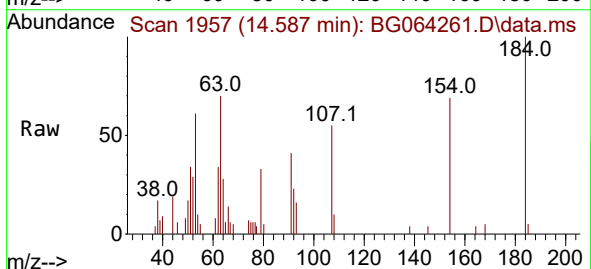
Tgt Ion:172 Resp: 65062
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 24.1 19.0 28.6

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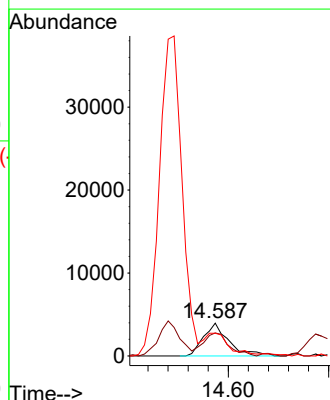
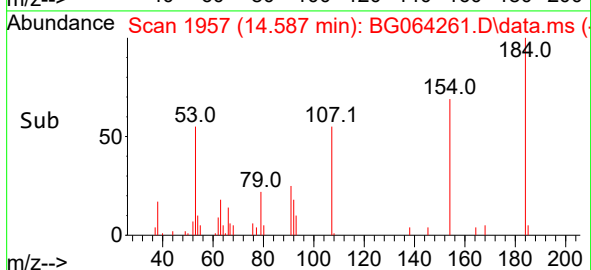
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

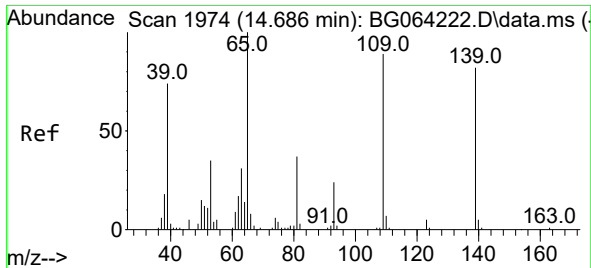


#54
2,4-Dinitrophenol
Concen: 11.707 ng
RT: 14.587 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53



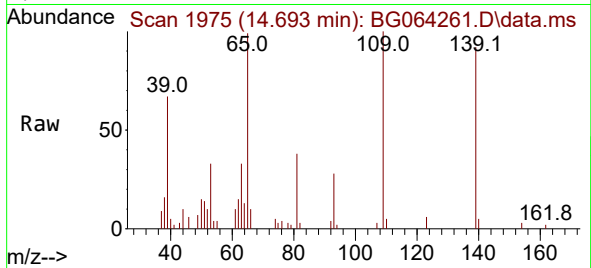
Tgt Ion:184 Resp: 6963
Ion Ratio Lower Upper
184 100
63 70.3 60.1 90.1
154 69.4 59.8 89.8





#56
4-Nitrophenol
Concen: 8.168 ng
RT: 14.693 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

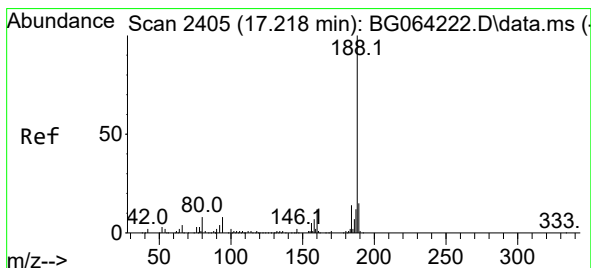
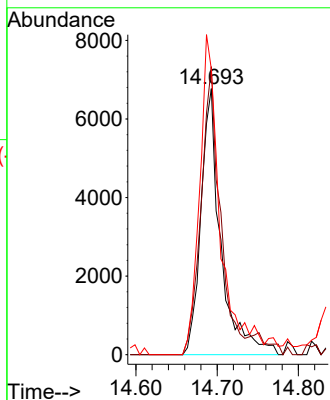
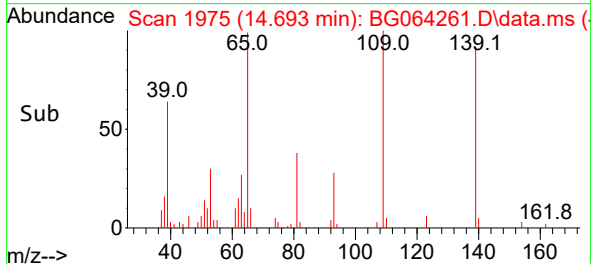
Instrument : BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:139 Resp: 11480
Ion Ratio Lower Upper
139 100
109 108.2 89.1 129.1
65 107.4 102.9 142.9

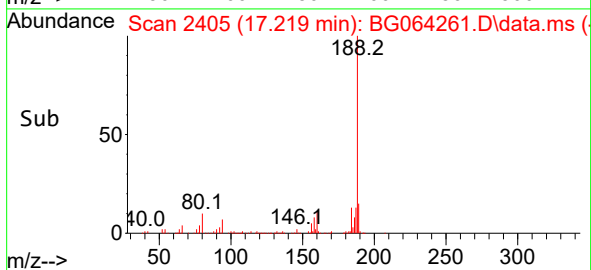
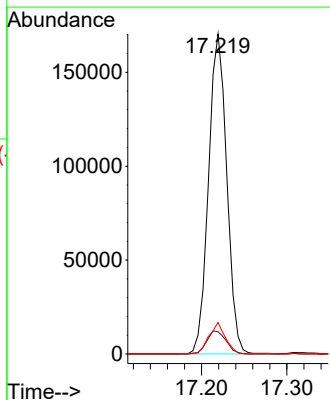
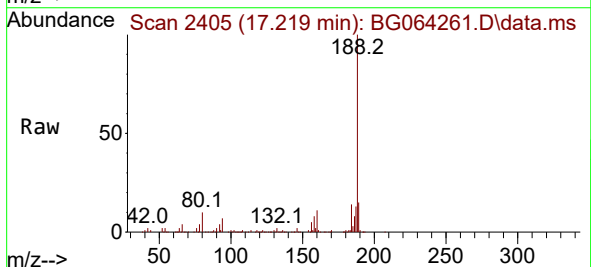
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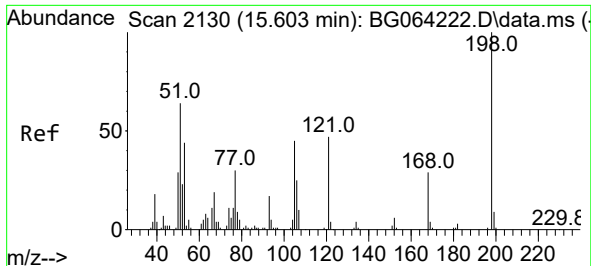
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

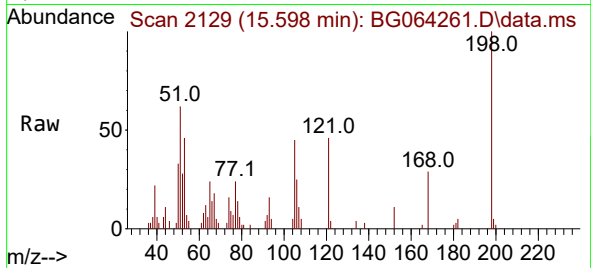
Tgt Ion:188 Resp: 253223
Ion Ratio Lower Upper
188 100
94 7.0 6.2 9.4
80 9.8 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 8.736 ng
RT: 15.598 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

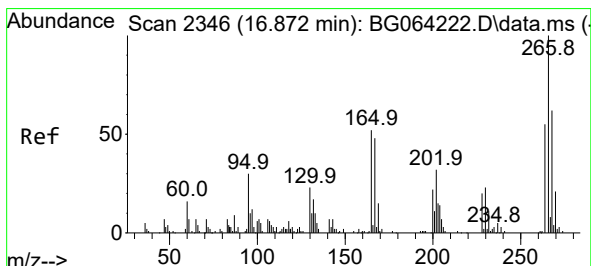
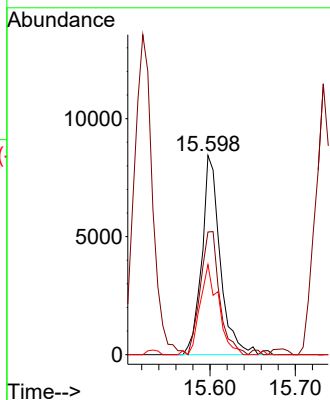
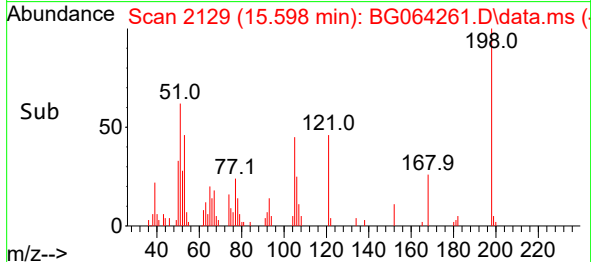
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:198 Resp: 12700
Ion Ratio Lower Upper
198 100
51 61.6 46.2 86.2
105 45.2 25.0 65.0

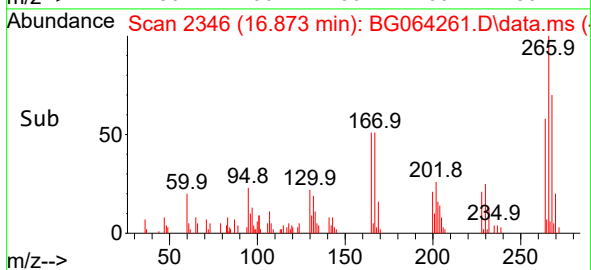
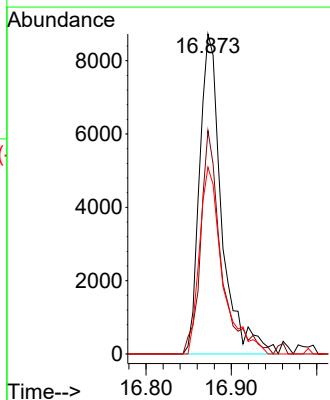
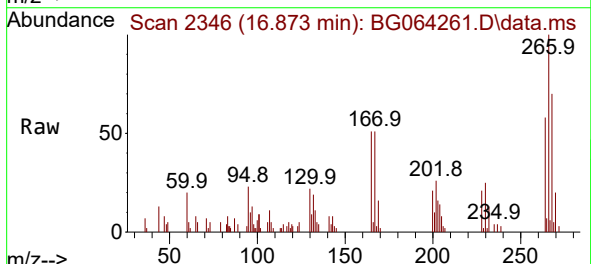
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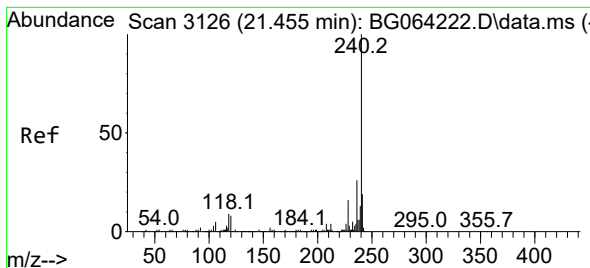
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#70
Pentachlorophenol
Concen: 8.677 ng
RT: 16.873 min Scan# 2346
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:266 Resp: 15713
Ion Ratio Lower Upper
266 100
268 69.8 49.4 74.0
264 58.4 44.3 66.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 3126

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

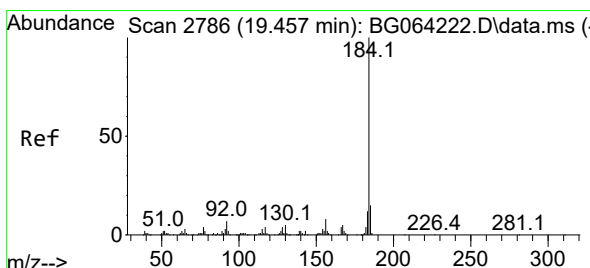
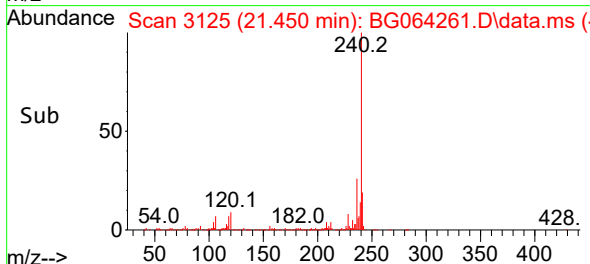
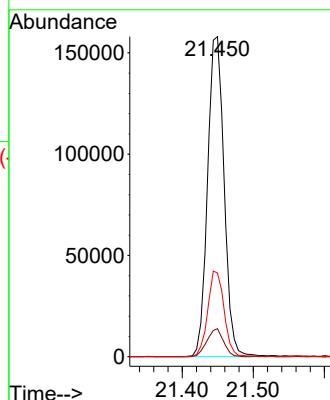
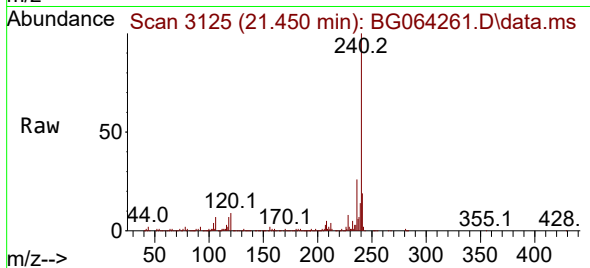
ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:240 Resp: 25618
 Ion Ratio Lower Upper
 240 100
 120 8.8 6.2 9.4
 236 26.1 20.5 30.7

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



#77

Benzdine

Concen: 13.623 ng

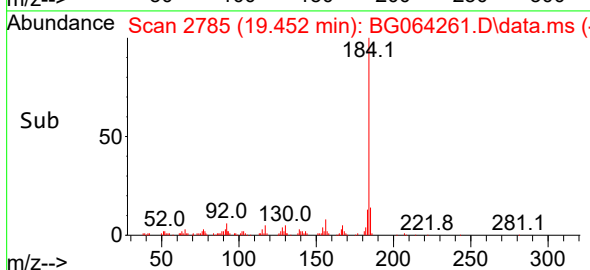
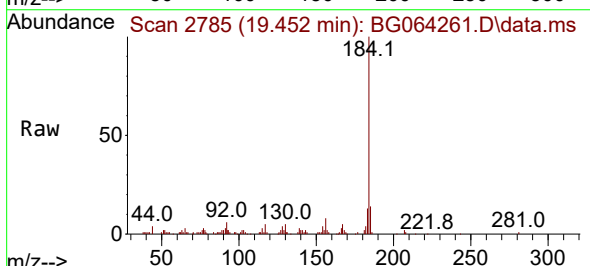
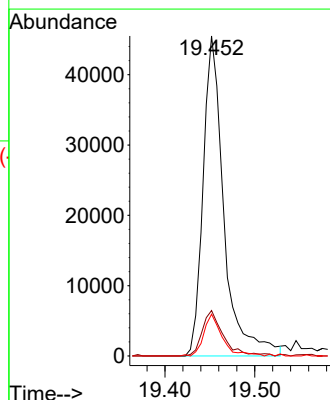
RT: 19.452 min Scan# 2785

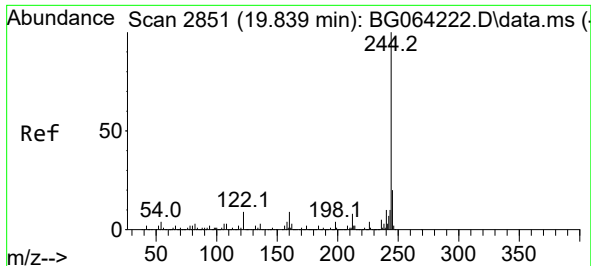
Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

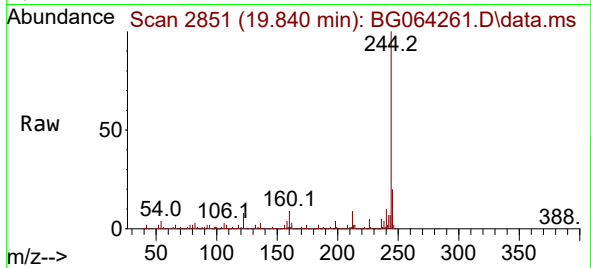
Tgt Ion:184 Resp: 73418
 Ion Ratio Lower Upper
 184 100
 185 14.2 11.7 17.5
 183 13.0 9.7 14.5





#79
 Terphenyl-d14
 Concen: 91.448 ng
 RT: 19.840 min Scan# 211
 Delta R.T. -0.005 min
 Lab File: BG064261.D
 Acq: 3 Sep 2025 19:53

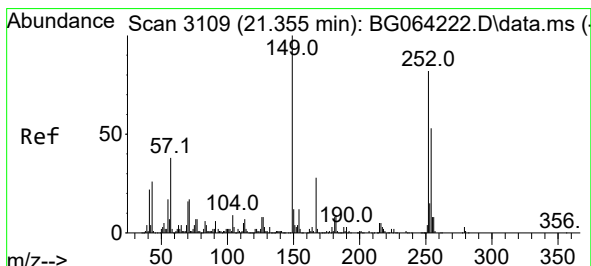
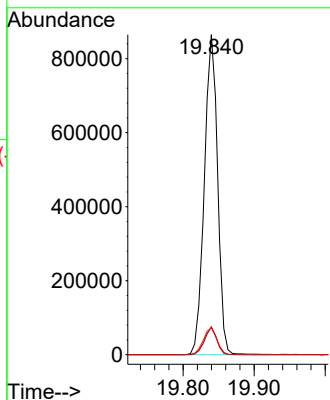
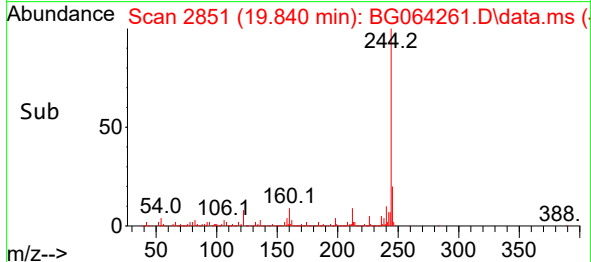
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025



Tgt Ion:244 Resp: 112291
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.6 10.0
 122 8.4 7.0 10.6

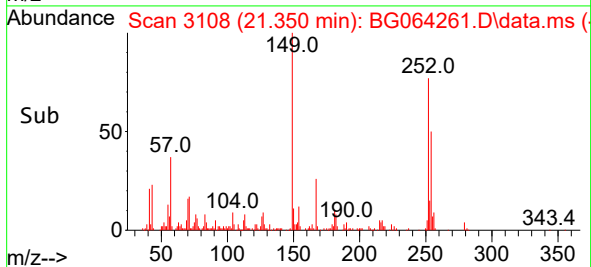
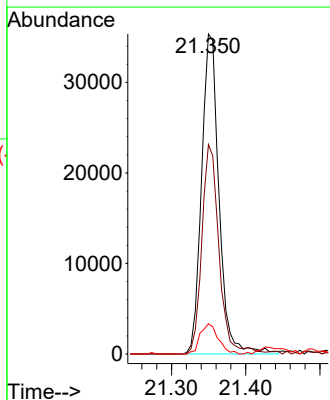
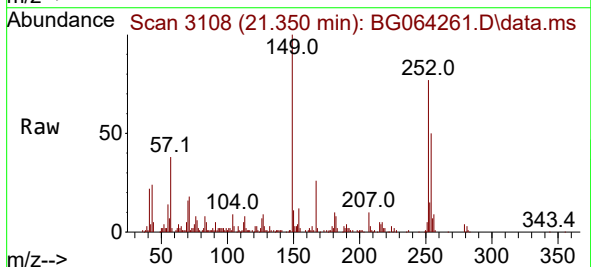
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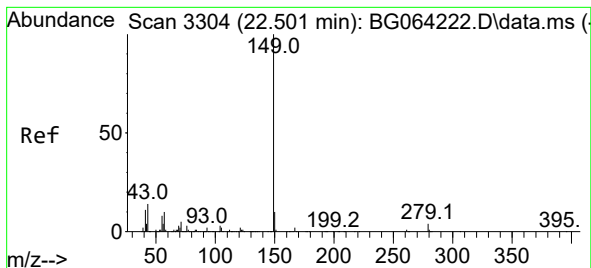
Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025



#82
 3,3'-Dichlorobenzidine
 Concen: 10.847 ng
 RT: 21.350 min Scan# 3108
 Delta R.T. -0.011 min
 Lab File: BG064261.D
 Acq: 3 Sep 2025 19:53

Tgt Ion:252 Resp: 57899
 Ion Ratio Lower Upper
 252 100
 254 65.4 51.9 77.9
 126 9.5 7.6 11.4





#85

Di-n-octyl phthalate

Concen: 10.133 ng

RT: 22.495 min Scan# 3

Delta R.T. -0.011 min

Lab File: BG064261.D

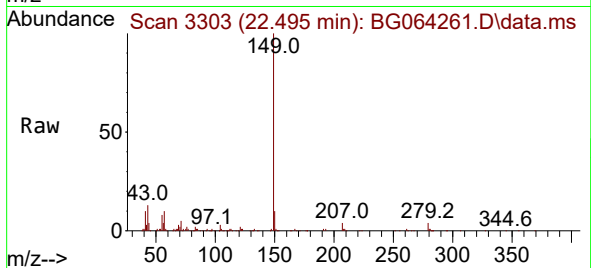
Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025



Tgt Ion:149 Resp: 16137

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

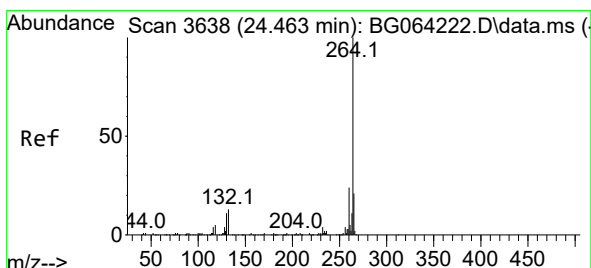
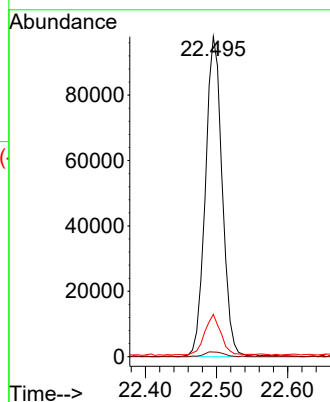
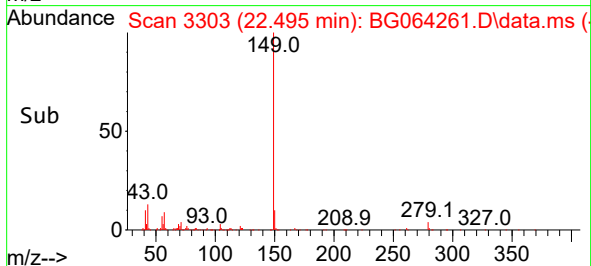
43 12.5 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.458 min Scan# 3637

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Tgt Ion:264 Resp: 277863

Ion Ratio Lower Upper

264 100

260 24.5 18.9 28.3

265 21.4 16.7 25.1

