

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111925\
 Data File : BG064815.D
 Acq On : 19 Nov 2025 14:35
 Operator : RC/JU
 Sample : Q3530-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 19 15:10:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.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 11/20/2025
 Supervised By :Sohil Jodhani 11/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	49326	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	197065	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	163066	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	403986	20.000	ng	0.00
76) Chrysene-d12	21.748	240	466879	20.000	ng	0.00
86) Perylene-d12	25.009	264	449020	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	302928	107.241	ng	0.00
7) Phenol-d6	7.306	99	437495	116.447	ng	0.00
23) Nitrobenzene-d5	9.327	82	329846	82.757	ng	0.00
42) 2,4,6-Tribromophenol	16.248	330	367996	115.711	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	935526	80.052	ng	0.00
79) Terphenyl-d14	20.091	244	2163264	91.144	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.851	42	13027	7.855	ng	# 89
9) Benzaldehyde	7.288	77	26895	10.936	ng	91
15) Benzyl Alcohol	8.393	79	27441	8.898	ng	96
20) 3+4-Methylphenols	8.922	107	34349	8.669	ng	95
32) Benzoic acid	10.197	122	9172m	9.425	ng	
35) Caprolactam	11.871	113	9877	9.558	ng	# 75
41) Hexachlorocyclopentadiene	12.970	237	24549	5.397	ng	99
54) 2,4-Dinitrophenol	14.868	184	7666	12.614	ng	91
56) 4-Nitrophenol	14.962	139	14746	7.597	ng	96
65) 4,6-Dinitro-2-methylph...	15.872	198	17592	7.843	ng	92
70) Pentachlorophenol	17.153	266	26760	12.638	ng	94
77) Benzidine	19.703	184	111295	7.960	ng	98
82) 3,3'-Dichlorobenzidine	21.636	252	110022	9.416	ng	99
85) Di-n-octyl phthalate	22.852	149	220057	9.466	ng	99

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

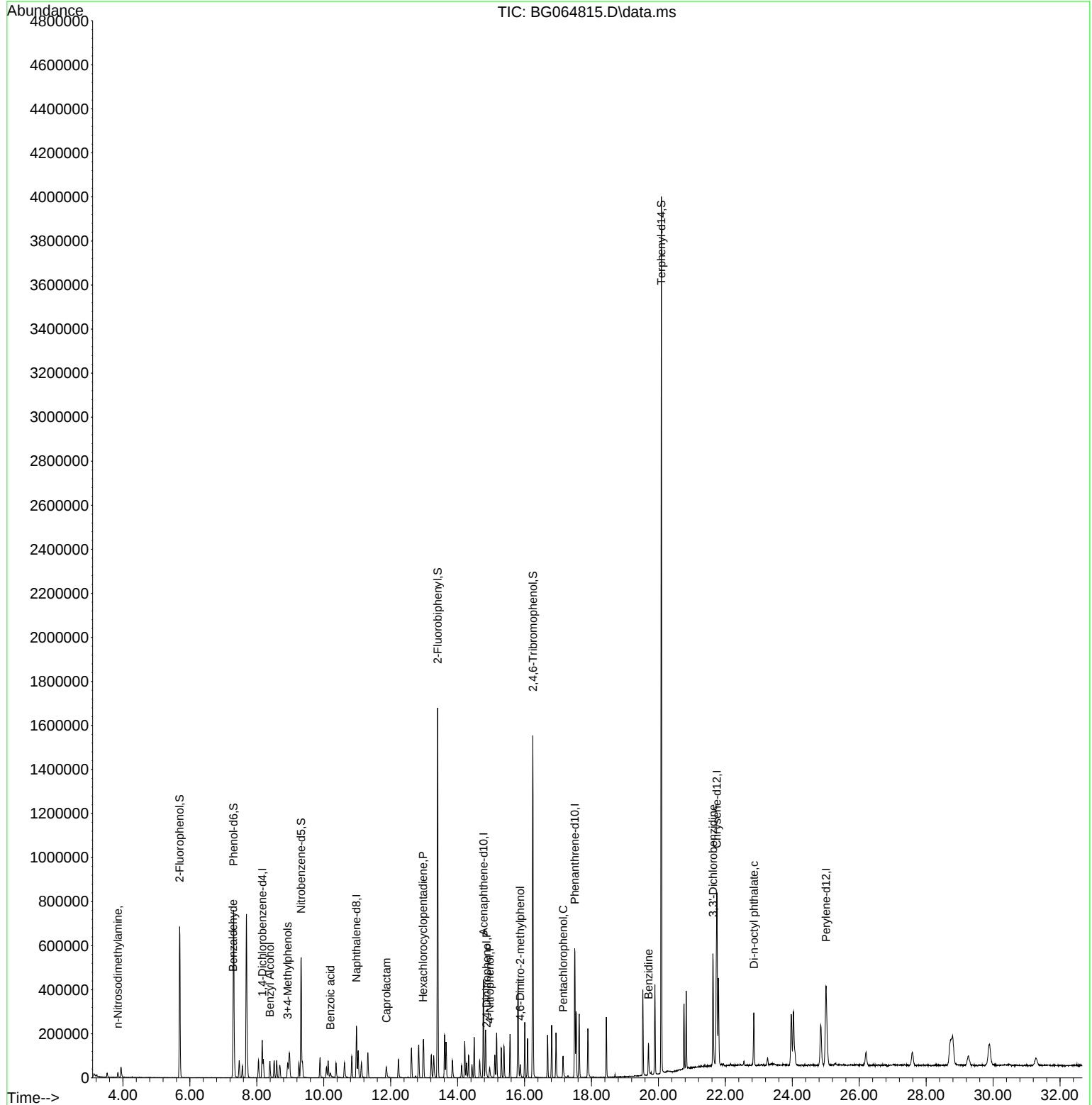
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111925\
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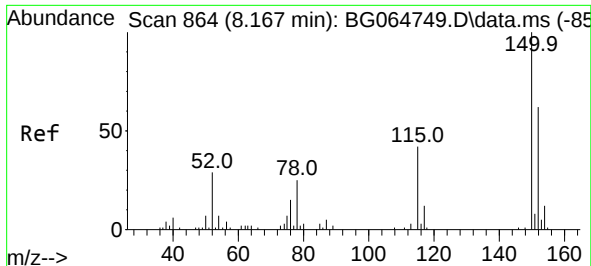
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2025

Quant Time: Nov 19 15:10:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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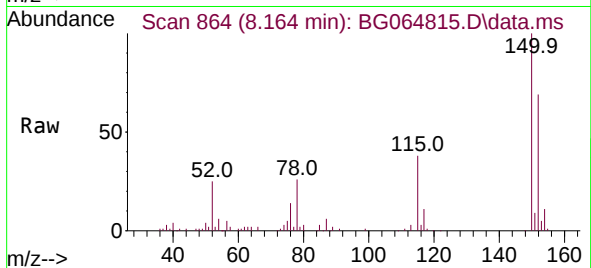
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

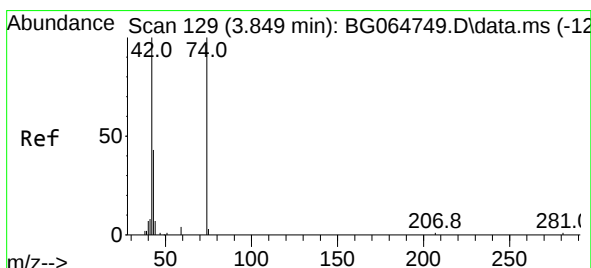
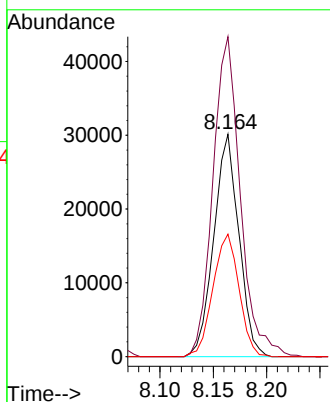
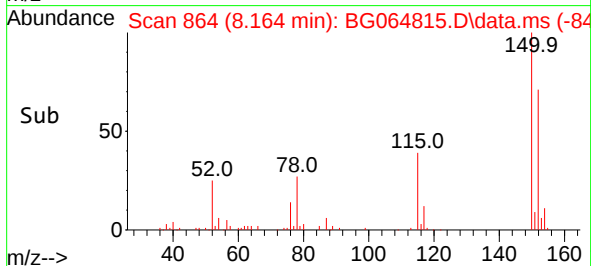
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2025



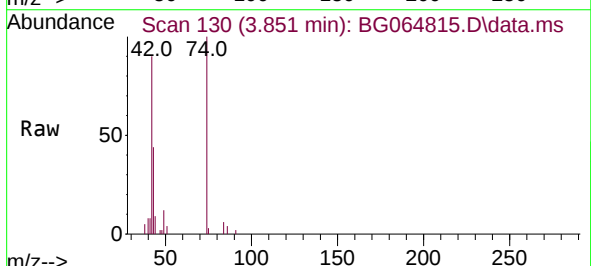
Tgt Ion:152 Resp: 49326
Ion Ratio Lower Upper
152 100
150 144.0 129.2 193.8
115 55.1 53.7 80.5

Manual Integrations
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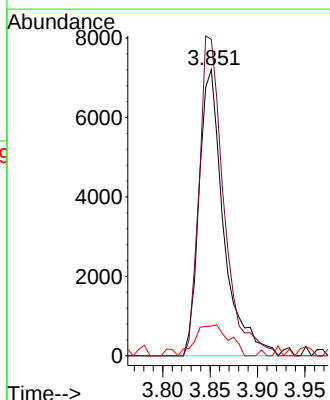
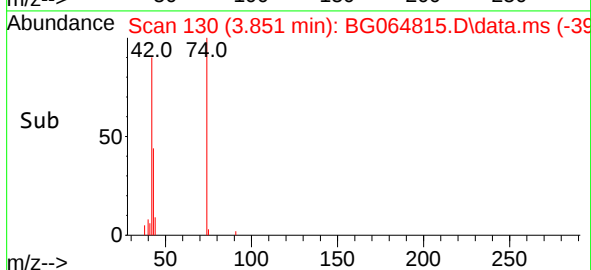
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

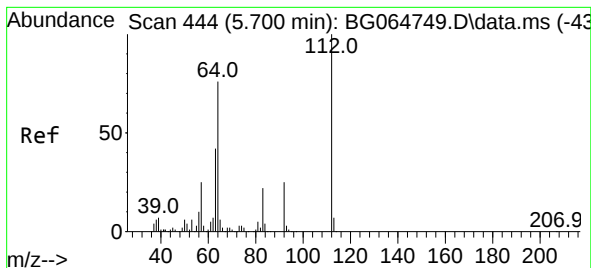


#4
n-Nitrosodimethylamine
Concen: 7.855 ng
RT: 3.851 min Scan# 130
Delta R.T. 0.002 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35



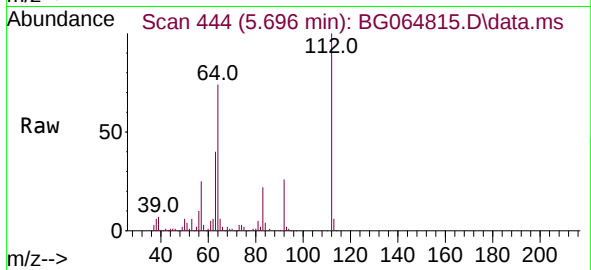
Tgt Ion: 42 Resp: 13027
Ion Ratio Lower Upper
42 100
74 110.5 79.8 119.6
44 10.4 5.9 8.9#





#5
2-Fluorophenol
Concen: 107.241 ng
RT: 5.696 min Scan# 444
Delta R.T. -0.003 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

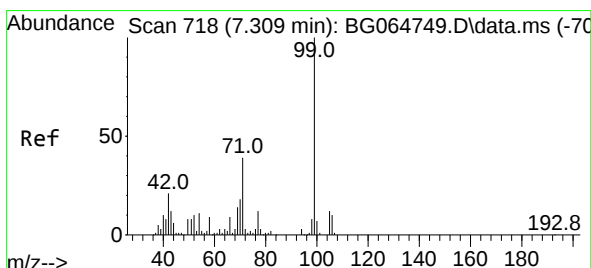
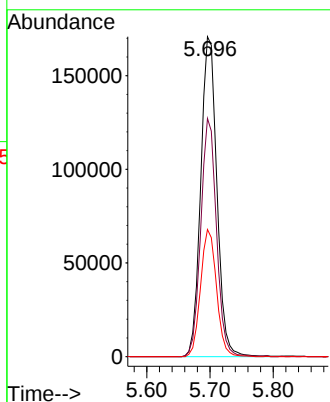
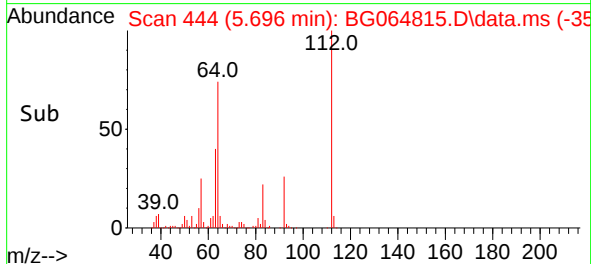
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 112 Resp: 302928
Ion Ratio Lower Upper
112 100
64 74.4 61.0 91.4
63 39.7 33.3 49.9

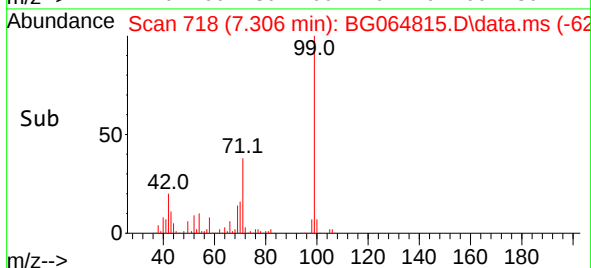
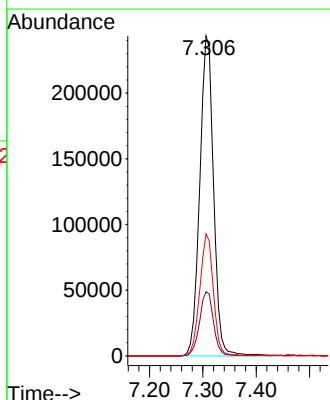
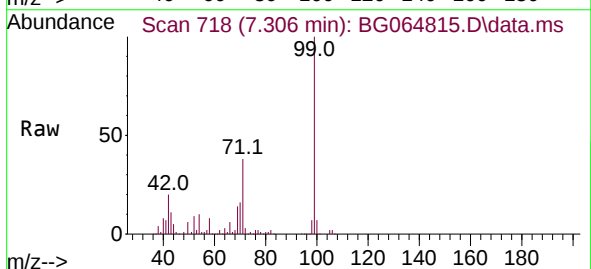
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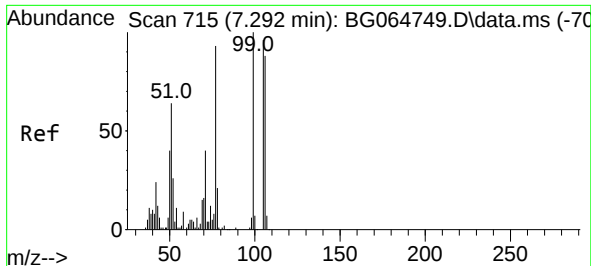
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#7
Phenol-d6
Concen: 116.447 ng
RT: 7.306 min Scan# 718
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

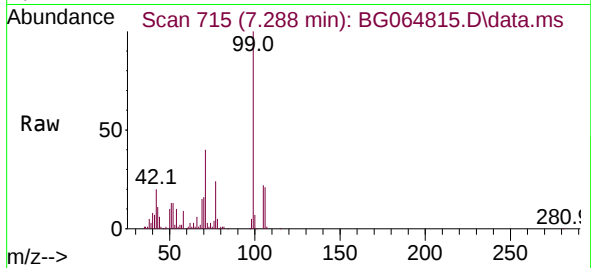
Tgt Ion: 99 Resp: 437495
Ion Ratio Lower Upper
99 100
42 20.1 16.8 25.2
71 38.1 31.1 46.7





#9
Benzaldehyde
Concen: 10.936 ng
RT: 7.288 min Scan# 715
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

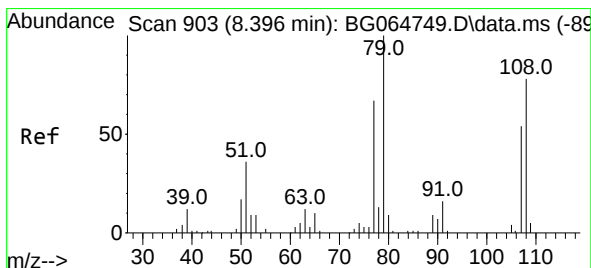
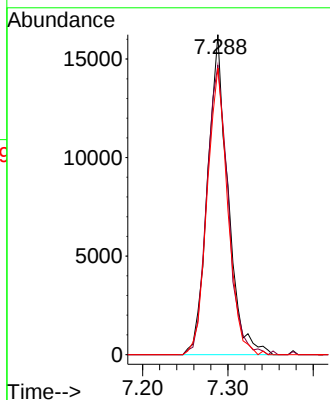
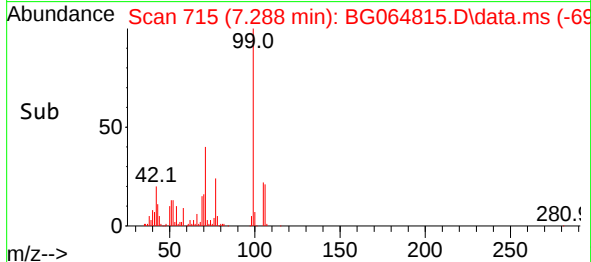
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT4-2025



Tgt Ion: 77 Resp: 26895
Ion Ratio Lower Upper
77 100
105 90.4 83.8 123.8
106 89.6 74.3 114.3

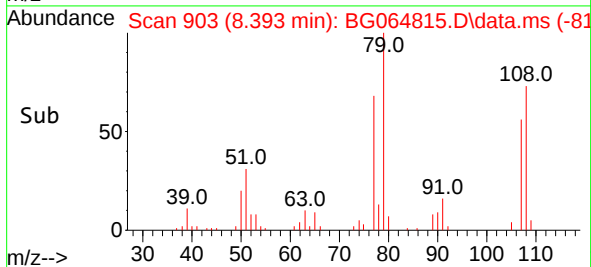
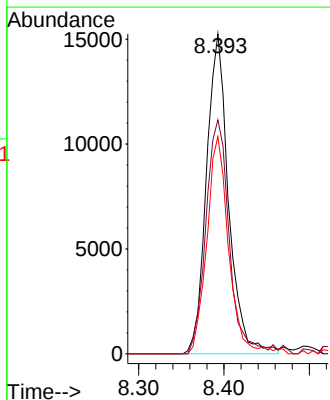
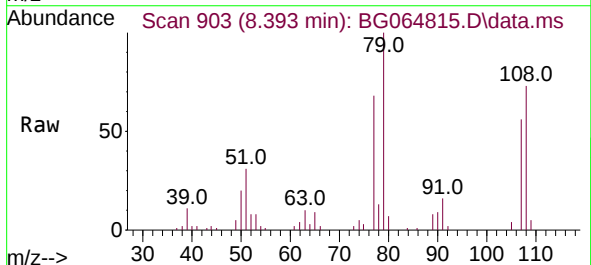
Manual Integrations
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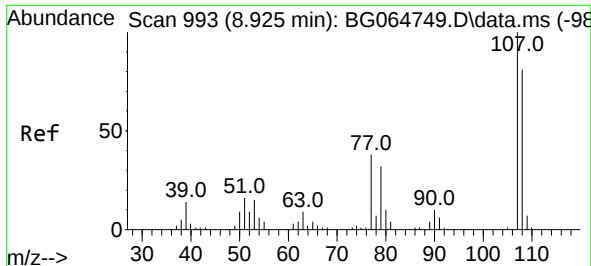
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#15
Benzyl Alcohol
Concen: 8.898 ng
RT: 8.393 min Scan# 903
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

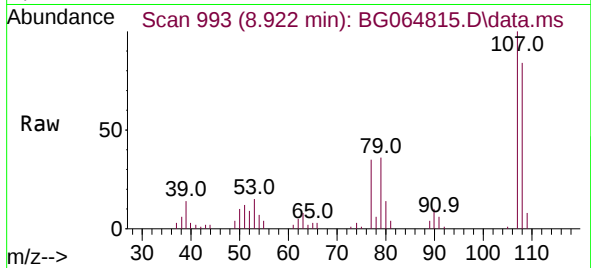
Tgt Ion: 79 Resp: 27441
Ion Ratio Lower Upper
79 100
108 73.1 62.3 93.5
77 67.9 53.5 80.3





#20
3+4-Methylphenols
Concen: 8.669 ng
RT: 8.922 min Scan# 993
Delta R.T. -0.003 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

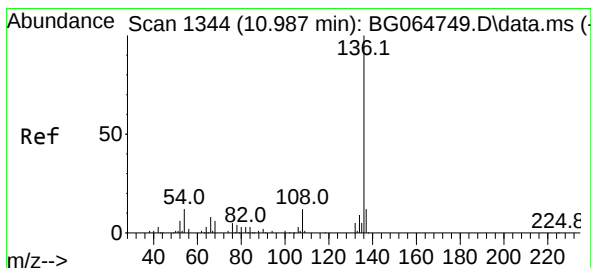
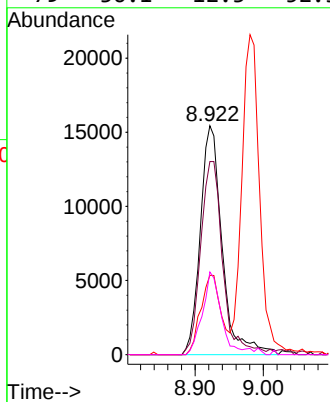
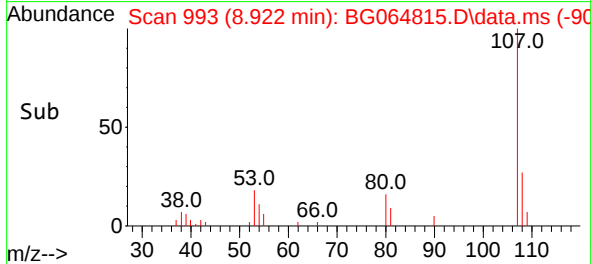
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT4-2025



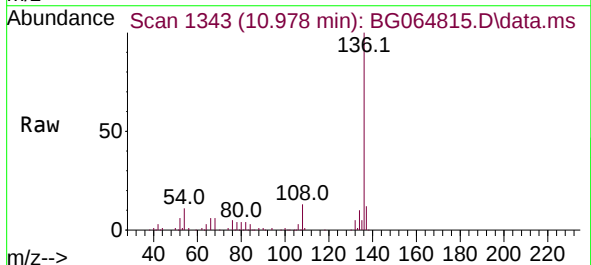
Tgt Ion:	107	Resp:	34349
Ion Ratio	Lower	Upper	
107	100		
108	84.3	61.0	101.0
77	34.7	17.6	57.6
79	36.1	12.3	52.3

Manual Integrations
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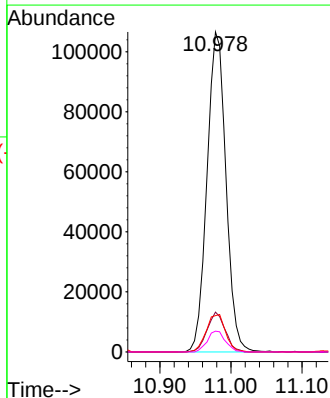
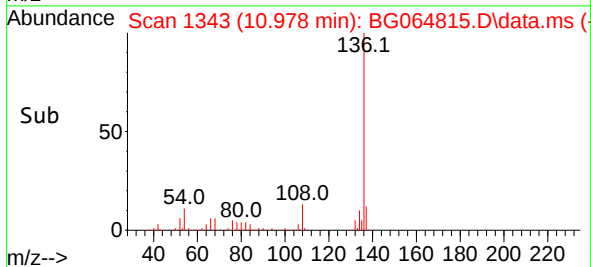
Reviewed By :Jagrut Upadhyay 11/20/2025
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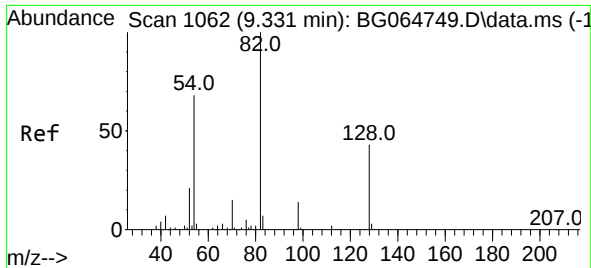


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1343
Delta R.T. -0.009 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35



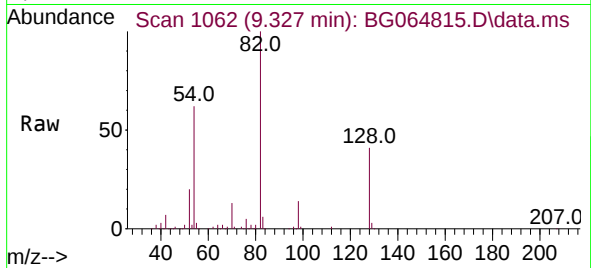
Tgt Ion:	136	Resp:	197065
Ion Ratio	Lower	Upper	
136	100		
137	12.4	9.3	13.9
54	11.3	9.3	13.9
68	6.5	5.0	7.6





#23
Nitrobenzene-d5
Concen: 82.757 ng
RT: 9.327 min Scan# 1062
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

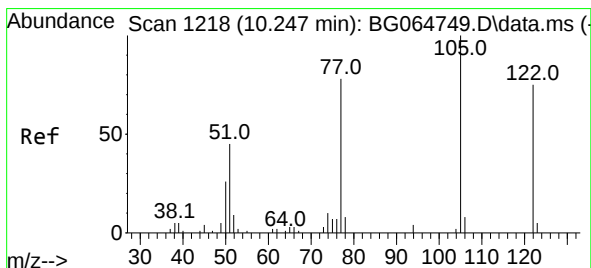
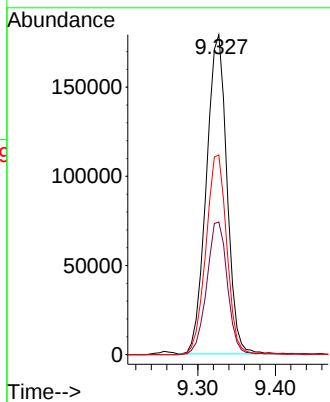
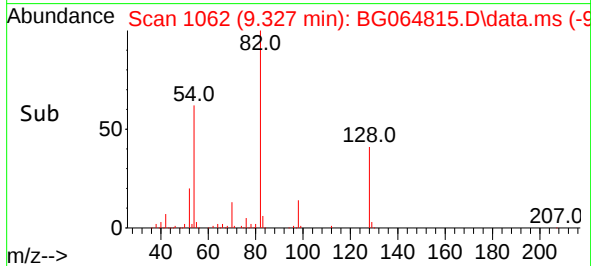
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 82 Resp: 329846
Ion Ratio Lower Upper
82 100
128 41.4 34.1 51.1
54 62.4 54.3 81.5

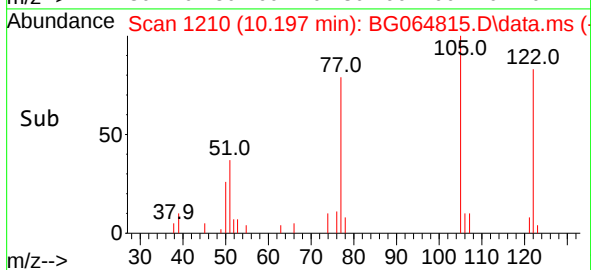
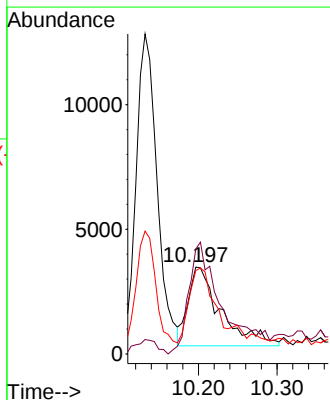
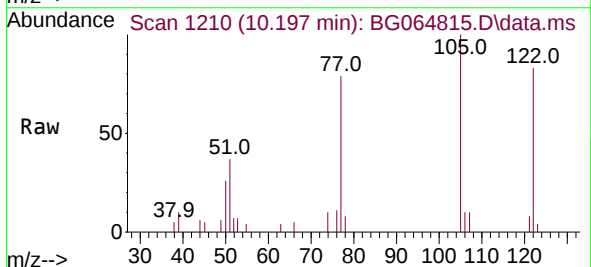
Manual Integrations
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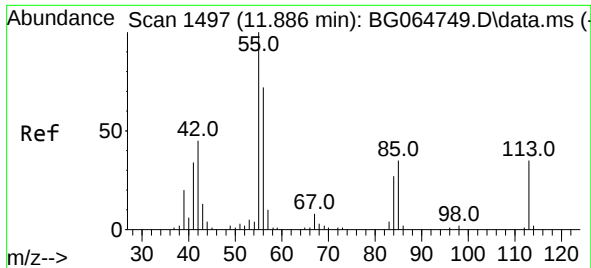
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#32
Benzoic acid
Concen: 9.425 ng m
RT: 10.197 min Scan# 1210
Delta R.T. -0.050 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

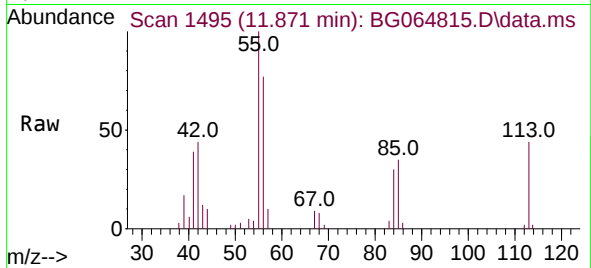
Tgt Ion:122 Resp: 9172
Ion Ratio Lower Upper
122 100
105 120.8 107.6 147.6
77 95.9 82.5 122.5





#35
Caprolactam
Concen: 9.558 ng
RT: 11.871 min Scan# 1497
Delta R.T. -0.015 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

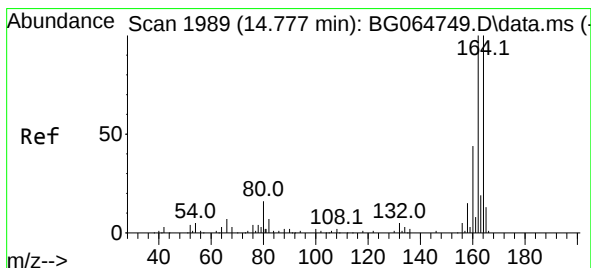
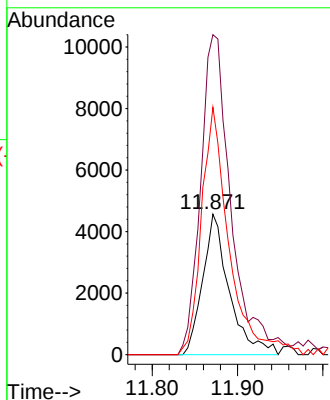
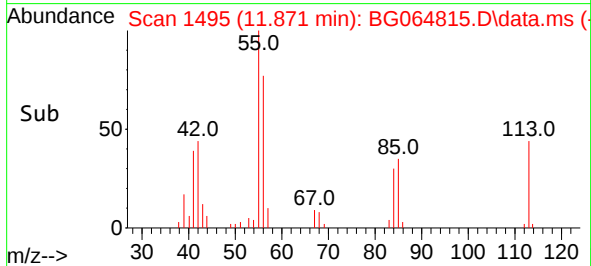
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BNA_G
ClientSampleId :
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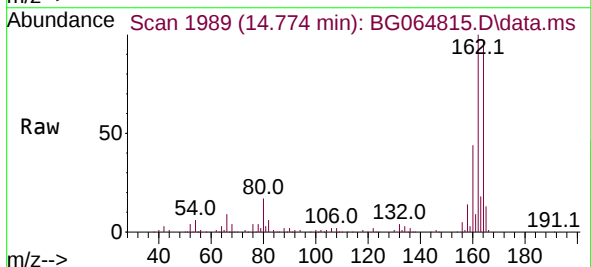
Tgt Ion:113 Resp: 9872
Ion Ratio Lower Upper
113 100
55 227.8 263.7 303.7
56 176.0 184.0 224.0

Manual Integrations
APPROVED

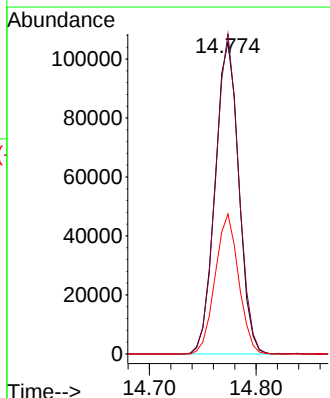
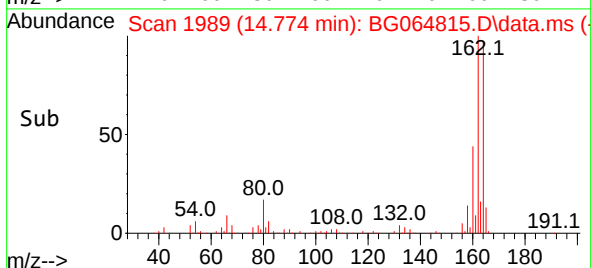
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

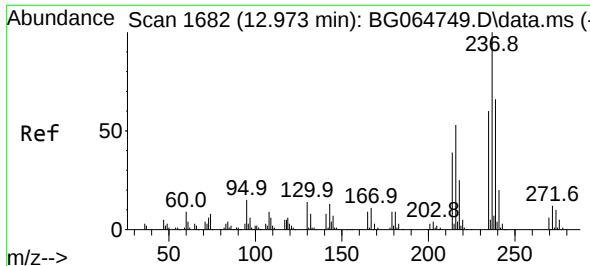


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35



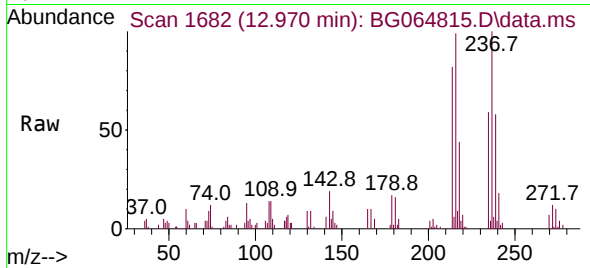
Tgt Ion:164 Resp: 163066
Ion Ratio Lower Upper
164 100
162 102.8 79.8 119.6
160 44.9 34.9 52.3





#41
Hexachlorocyclopentadiene
Concen: 5.397 ng
RT: 12.970 min Scan# 1682
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

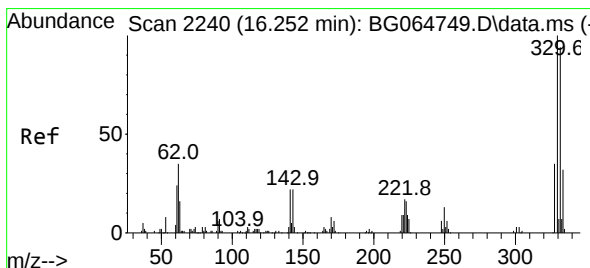
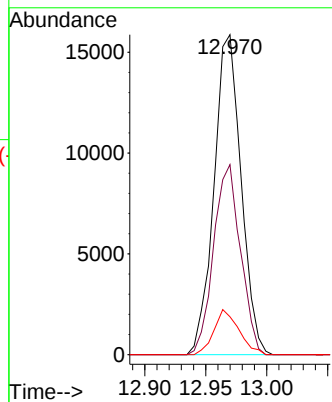
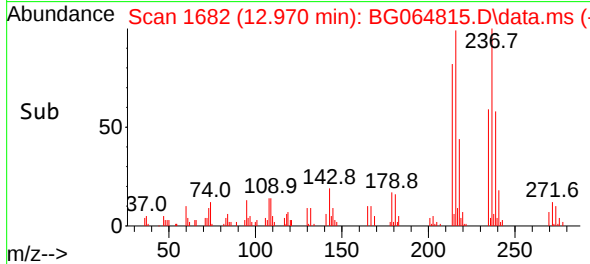
Instrument :
BNA_G
ClientSampleId :
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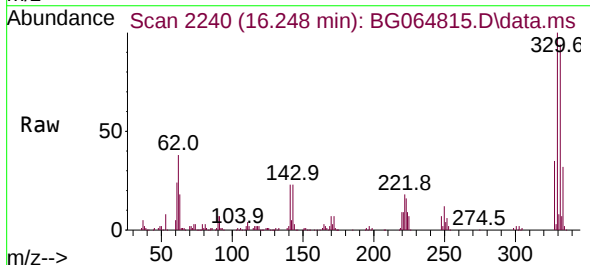
Tgt Ion:237 Resp: 24549
Ion Ratio Lower Upper
237 100
235 59.4 40.2 80.2
272 11.8 0.0 31.9

Manual Integrations
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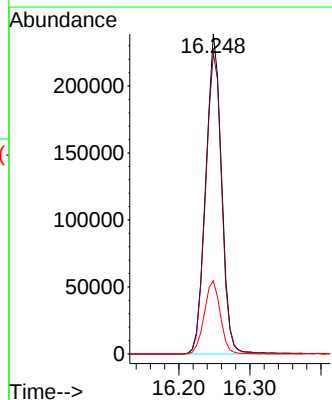
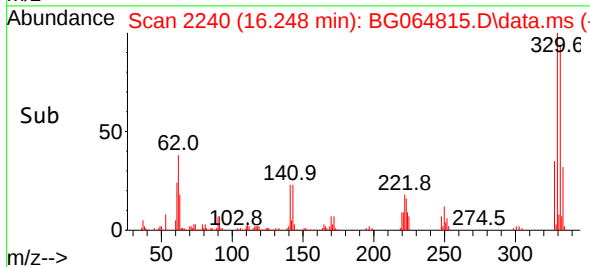
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

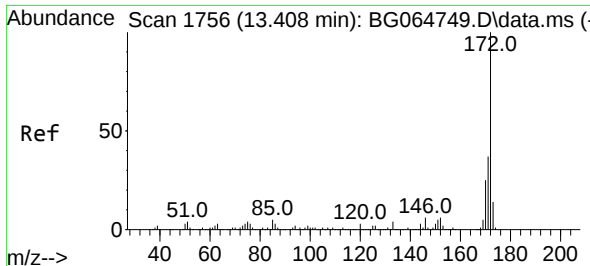


#42
2,4,6-Tribromophenol
Concen: 115.711 ng
RT: 16.248 min Scan# 2240
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35



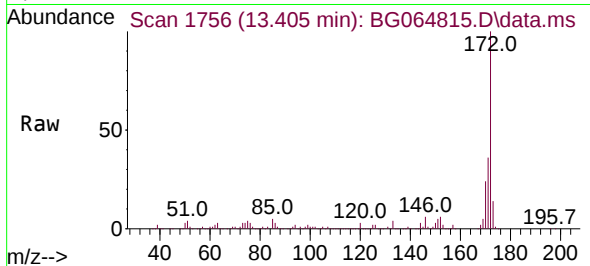
Tgt Ion:330 Resp: 367996
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 23.1 18.2 27.2





#45
2-Fluorobiphenyl
Concen: 80.052 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

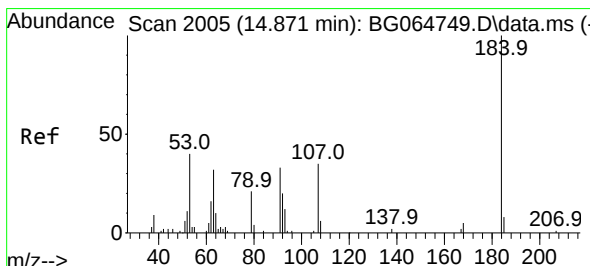
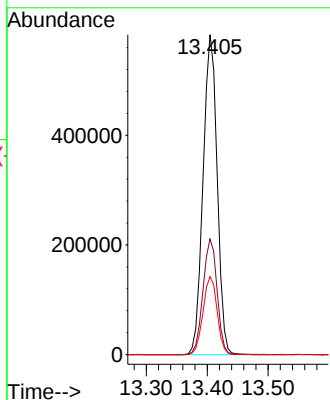
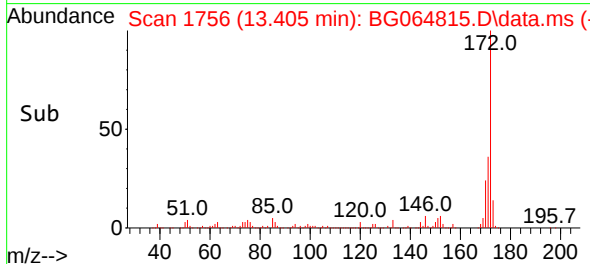
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2025



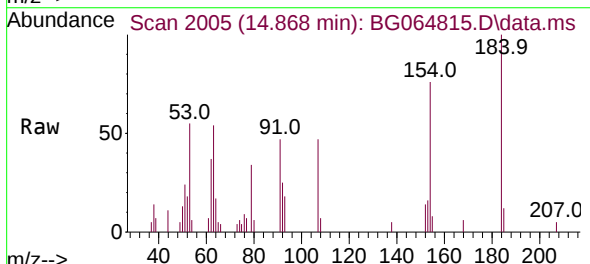
Tgt Ion:172 Resp: 935526
Ion Ratio Lower Upper
172 100
171 36.1 29.9 44.9
170 24.4 19.8 29.6

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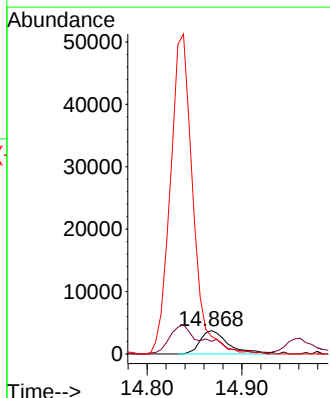
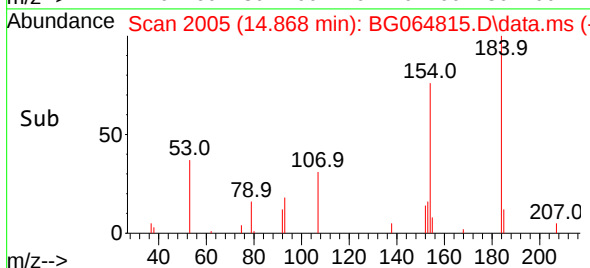
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

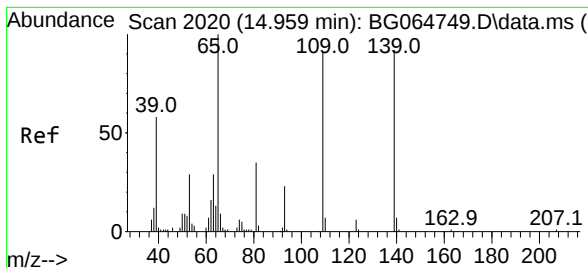


#54
2,4-Dinitrophenol
Concen: 12.614 ng
RT: 14.868 min Scan# 2005
Delta R.T. -0.003 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35



Tgt Ion:184 Resp: 7666
Ion Ratio Lower Upper
184 100
63 54.2 45.8 68.6
154 76.3 52.6 78.8





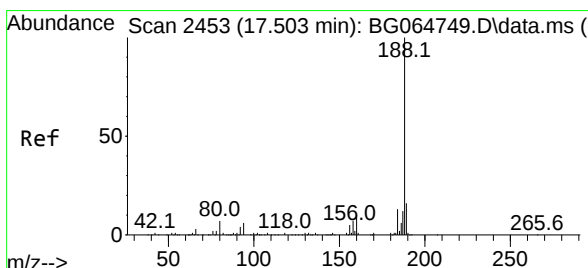
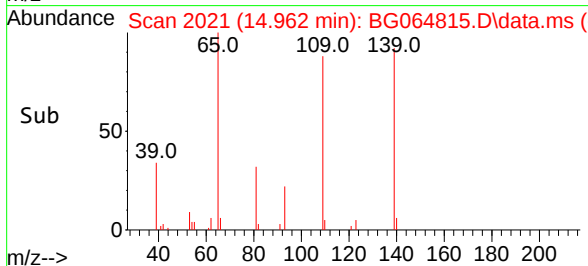
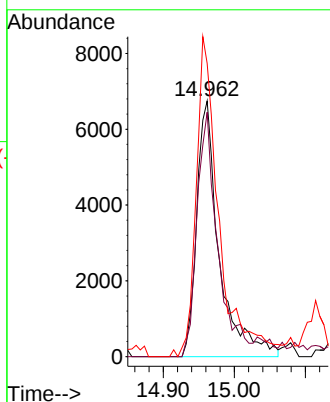
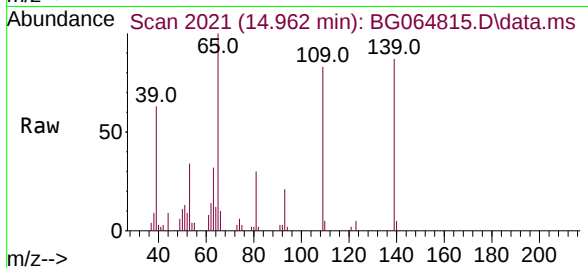
#56
4-Nitrophenol
Concen: 7.597 ng
RT: 14.962 min Scan# 2021
Delta R.T. 0.002 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

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

Tgt Ion:139 Resp: 14746
Ion Ratio Lower Upper
139 100
109 95.6 79.7 119.7
65 114.7 89.9 129.9

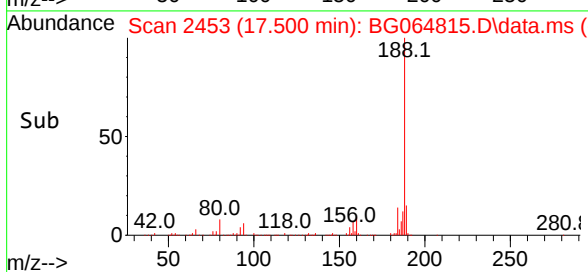
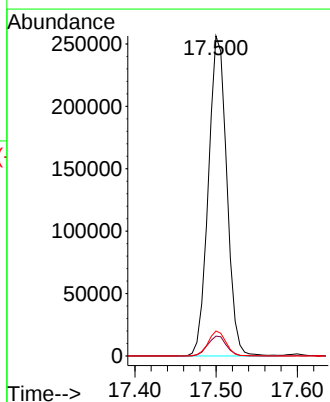
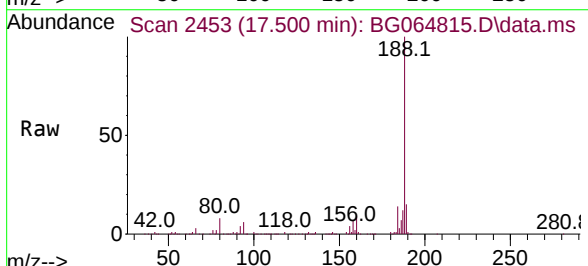
Manual Integrations
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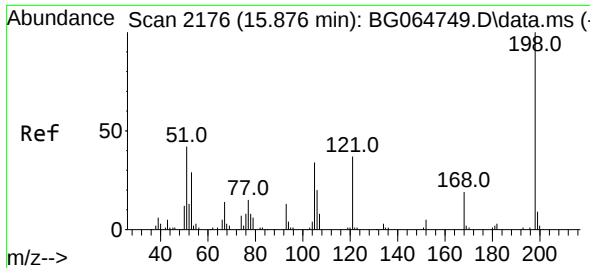
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 2453
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

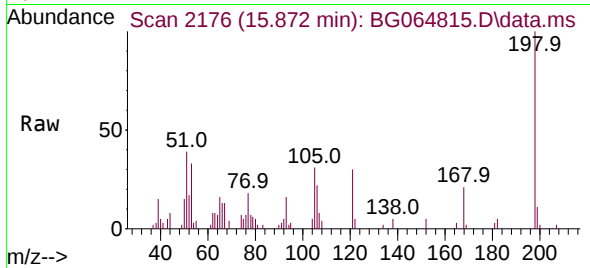
Tgt Ion:188 Resp: 403986
Ion Ratio Lower Upper
188 100
94 6.2 4.7 7.1
80 7.8 5.4 8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 7.843 ng
RT: 15.872 min Scan# 2176
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35

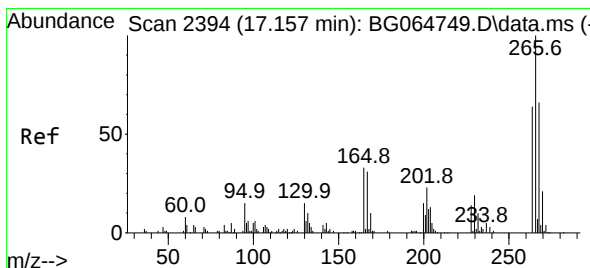
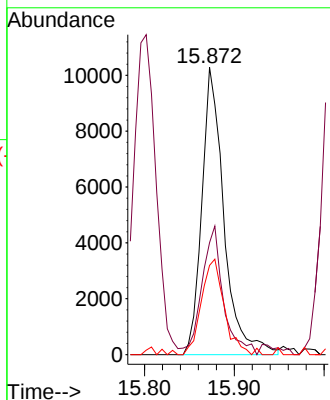
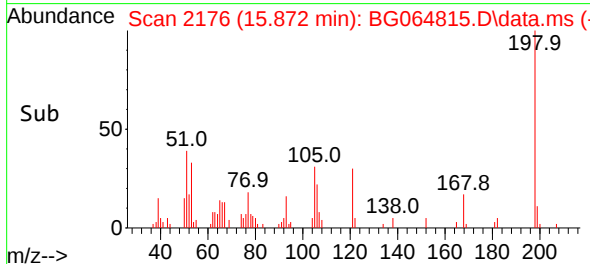
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2025



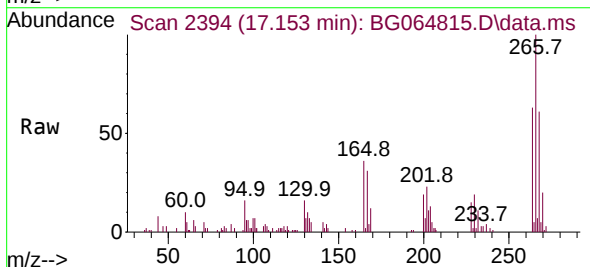
Tgt Ion:198 Resp: 17592
Ion Ratio Lower Upper
198 100
51 38.9 25.2 65.2
105 31.1 14.2 54.2

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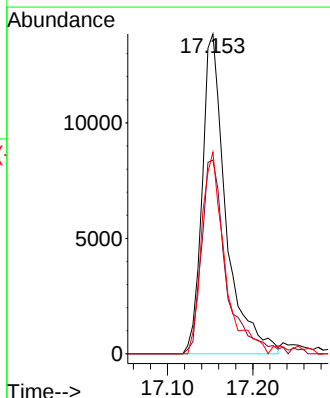
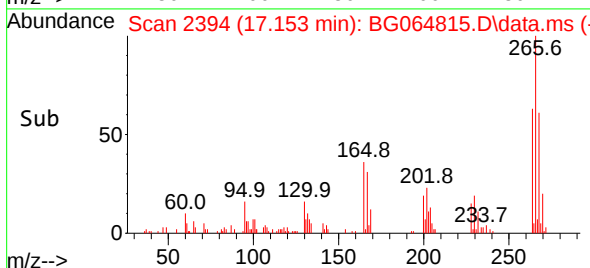
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

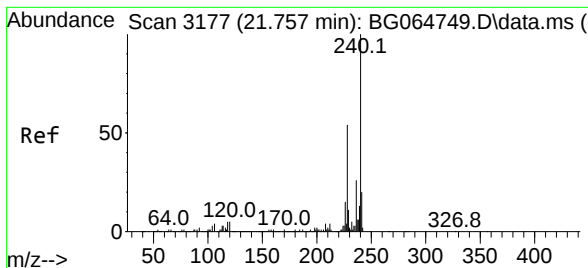


#70
Pentachlorophenol
Concen: 12.638 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064815.D
Acq: 19 Nov 2025 14:35



Tgt Ion:266 Resp: 26760
Ion Ratio Lower Upper
266 100
268 65.7 56.1 84.1
264 68.6 51.2 76.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.748 min Scan# 3176

Delta R.T. -0.009 min

Lab File: BG064815.D

Acq: 19 Nov 2025 14:35

Instrument :

BNA_G

ClientSampleId :

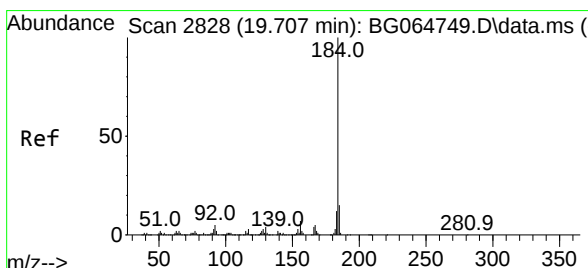
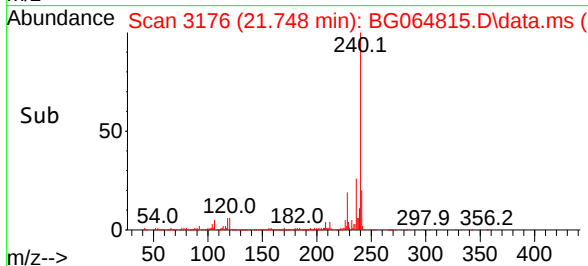
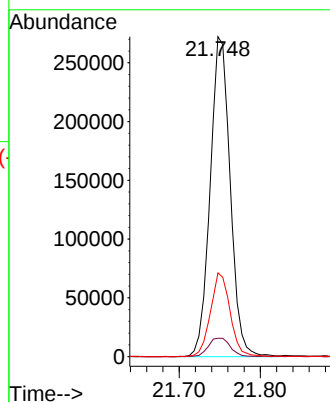
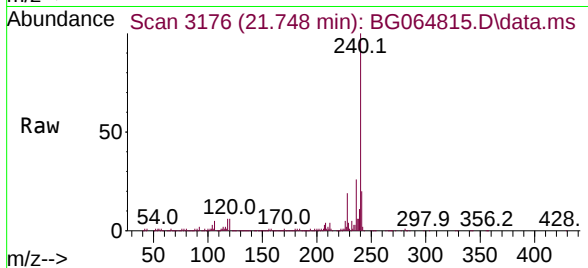
LOQ-SOIL-02-QT4-2025

Tgt Ion:240 Resp: 466879
 Ion Ratio Lower Upper
 240 100
 120 5.7 4.2 6.4
 236 26.2 20.8 31.2

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 Supervised By :Sohil Jodhani 11/20/2025



#77

Benzidine

Concen: 7.960 ng

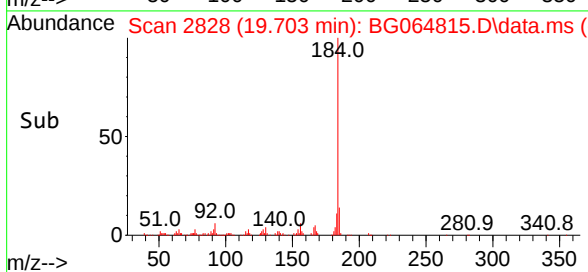
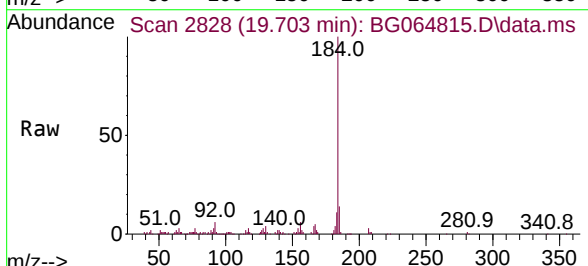
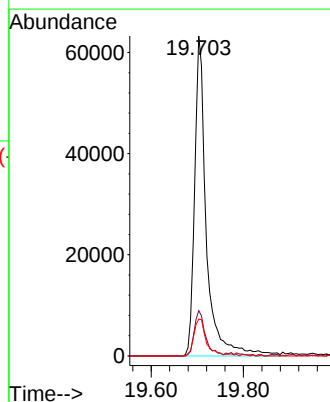
RT: 19.703 min Scan# 2828

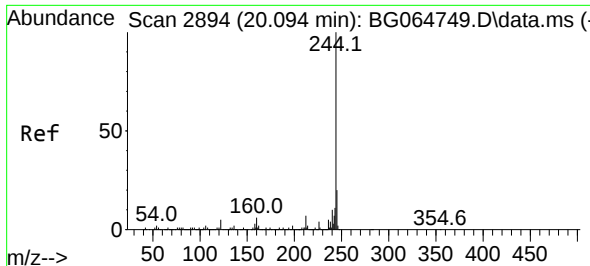
Delta R.T. -0.003 min

Lab File: BG064815.D

Acq: 19 Nov 2025 14:35

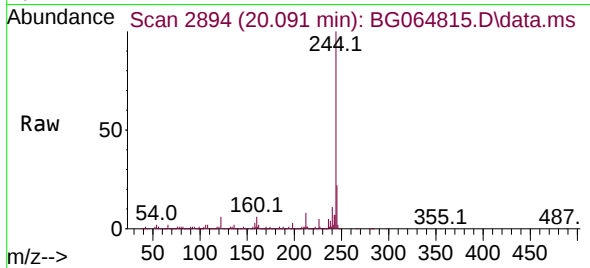
Tgt Ion:184 Resp: 111295
 Ion Ratio Lower Upper
 184 100
 185 14.1 11.8 17.6
 183 11.5 9.8 14.6





#79
 Terphenyl-d14
 Concen: 91.144 ng
 RT: 20.091 min Scan# 2894
 Delta R.T. -0.004 min
 Lab File: BG064815.D
 Acq: 19 Nov 2025 14:35

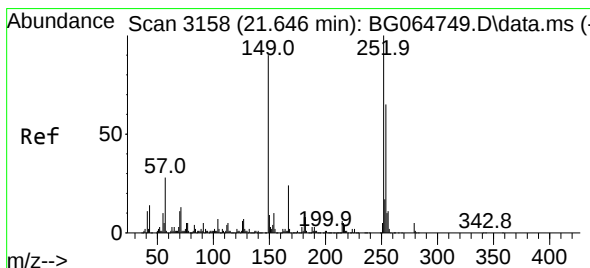
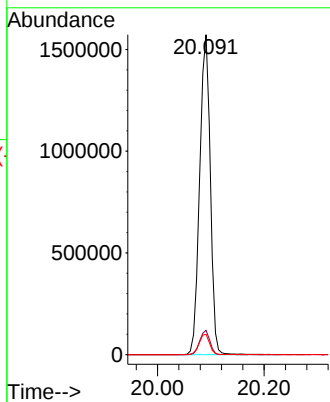
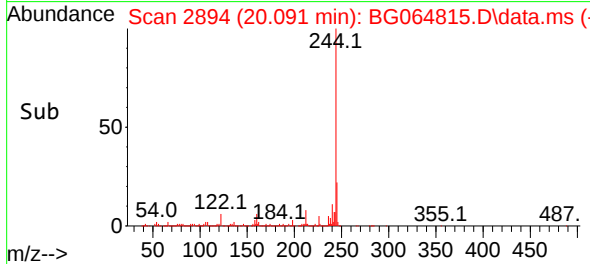
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025



Tgt Ion:244 Resp: 2163264
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.6
 122 6.3 4.3 6.5

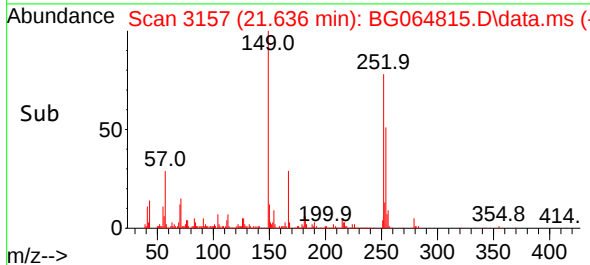
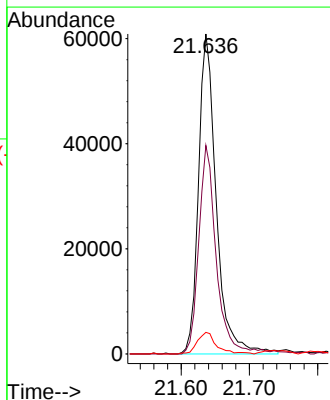
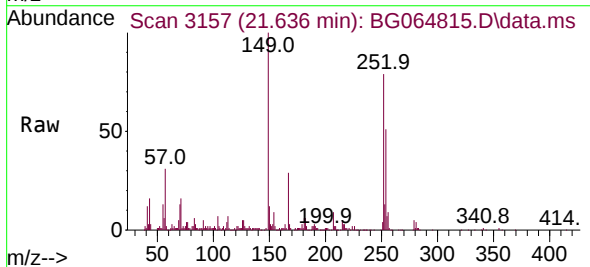
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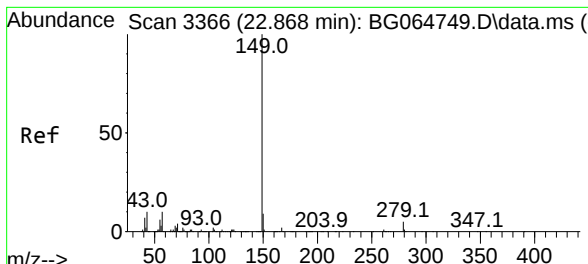
Reviewed By :Jagrut Upadhyay 11/20/2025
 Supervised By :Sohil Jodhani 11/20/2025



#82
 3,3'-Dichlorobenzidine
 Concen: 9.416 ng
 RT: 21.636 min Scan# 3157
 Delta R.T. -0.009 min
 Lab File: BG064815.D
 Acq: 19 Nov 2025 14:35

Tgt Ion:252 Resp: 110022
 Ion Ratio Lower Upper
 252 100
 254 65.2 51.8 77.8
 126 6.7 4.7 7.1





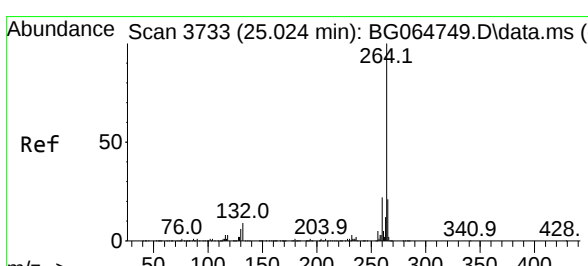
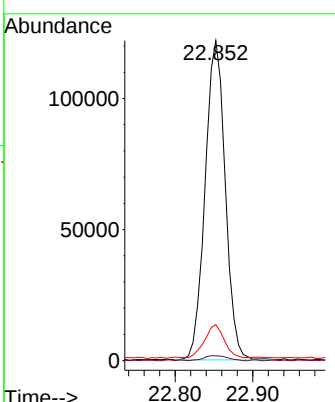
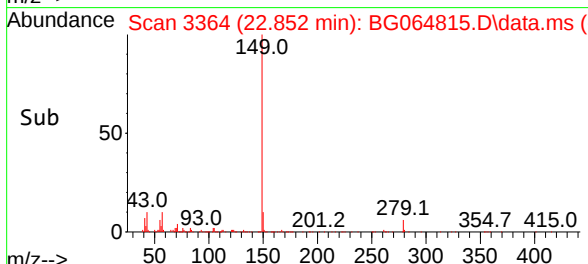
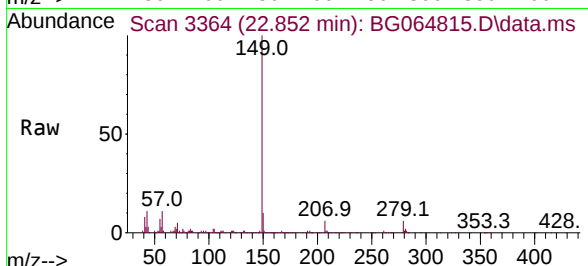
#85
 Di-n-octyl phthalate
 Concen: 9.466 ng
 RT: 22.852 min Scan# 3364
 Delta R.T. -0.015 min
 Lab File: BG064815.D
 Acq: 19 Nov 2025 14:35

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

Tgt Ion:149 Resp: 220052

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8
43	9.9	8.3	12.5

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 Supervised By :Sohil Jodhani 11/20/2025



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.009 min Scan# 3731
 Delta R.T. -0.015 min
 Lab File: BG064815.D
 Acq: 19 Nov 2025 14:35

Tgt Ion:264 Resp: 449020

Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.2	25.8
265	21.5	16.6	25.0

