

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064253.D
 Acq On : 3 Sep 2025 14:23
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL 2.5PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 03 15:01:03 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)

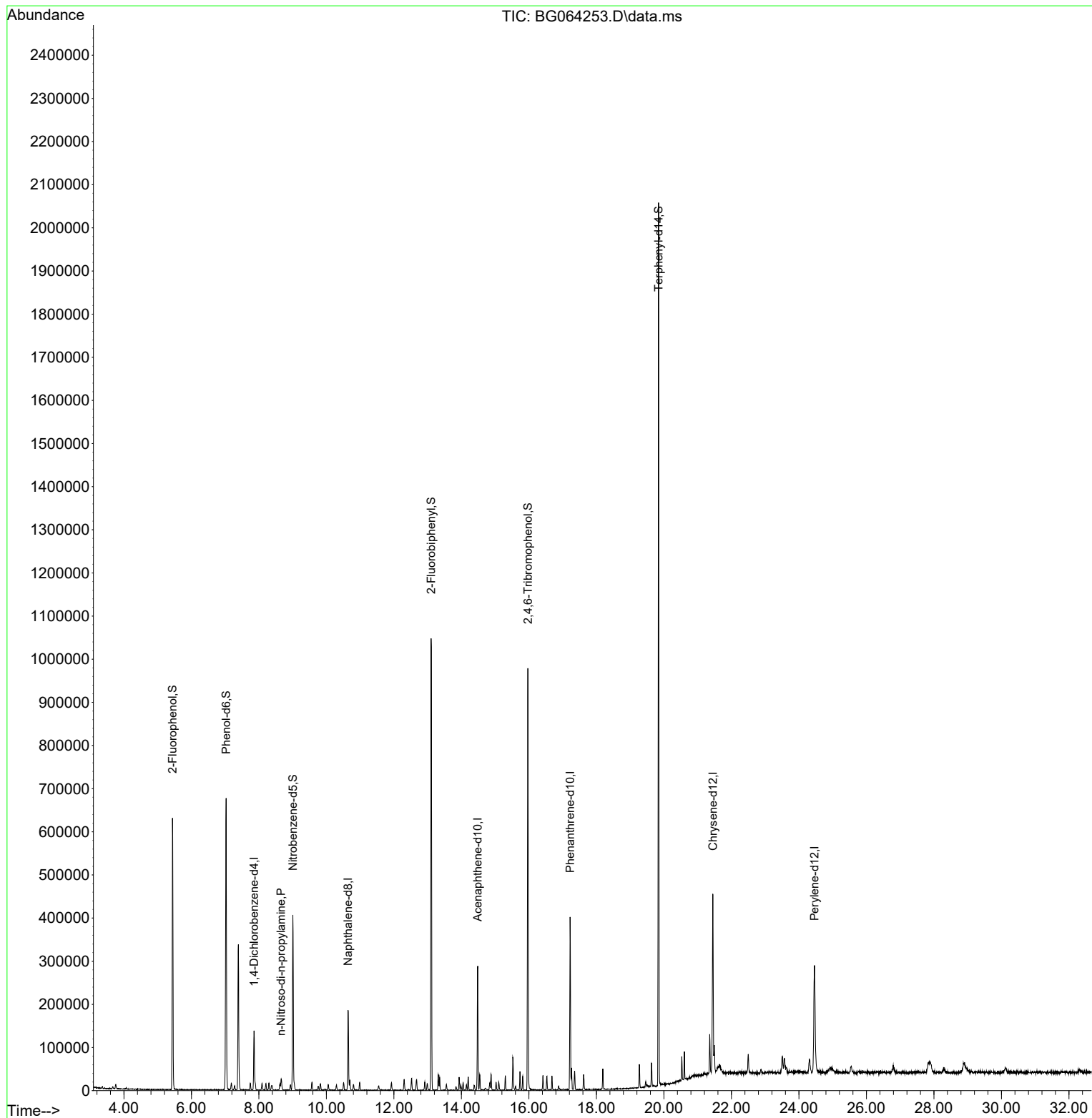
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.855	152	32600	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	143781	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	99791	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	228661	20.000	ng	0.00
76) Chrysene-d12	21.451	240	234098	20.000	ng	0.00
86) Perylene-d12	24.459	264	252261	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.441	112	250087	137.632	ng	0.00
7) Phenol-d6	7.027	99	339054	135.820	ng	0.00
23) Nitrobenzene-d5	9.007	82	216897	84.131	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	172448	130.467	ng	0.00
45) 2-Fluorobiphenyl	13.102	172	528278	80.803	ng	0.00
79) Terphenyl-d14	19.841	244	895515	79.811	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.654	70	4556	2.385	ng	Qvalue # 84

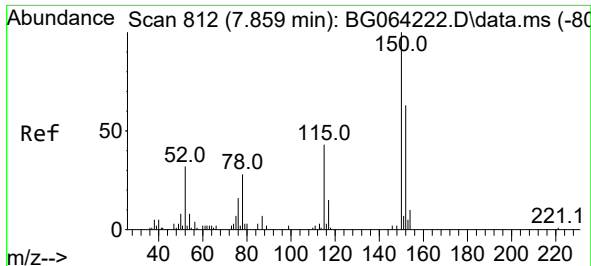
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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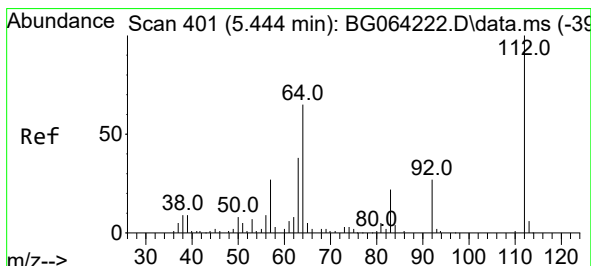
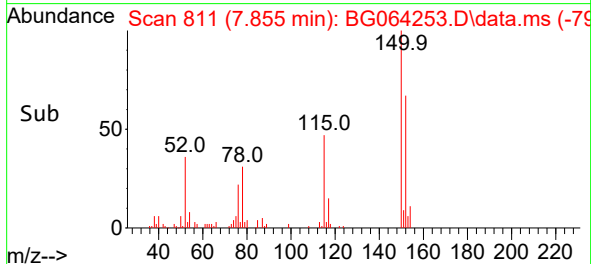
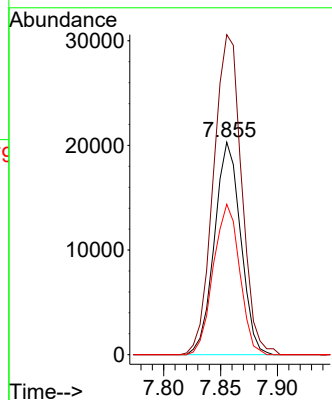
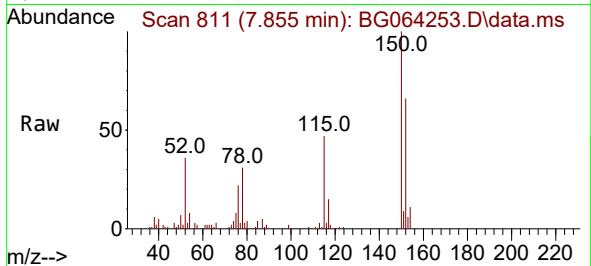




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.855 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

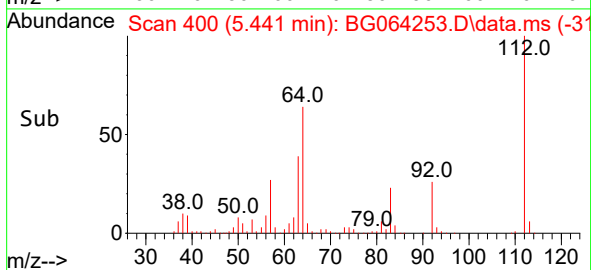
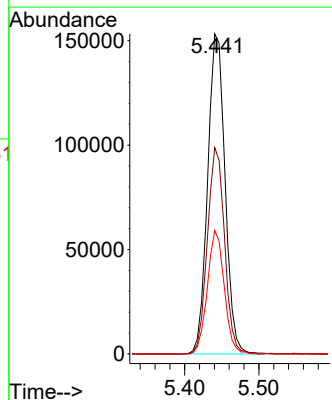
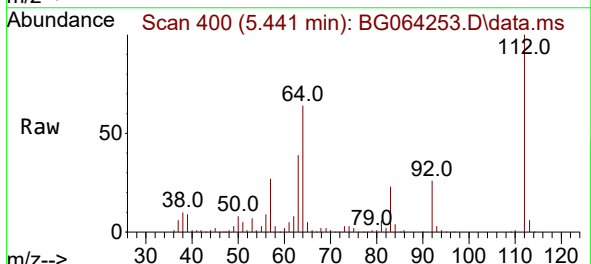
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

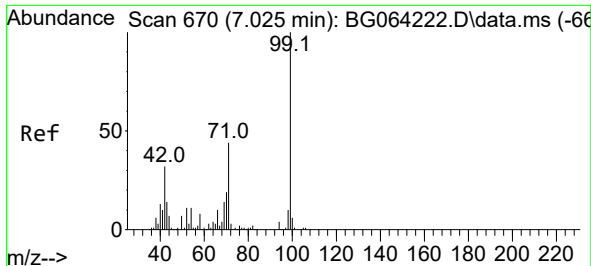
Tgt Ion:152 Resp: 32600
Ion Ratio Lower Upper
152 100
150 150.6 128.0 192.0
115 70.8 55.7 83.5



#5
2-Fluorophenol
Concen: 137.632 ng
RT: 5.441 min Scan# 400
Delta R.T. -0.004 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

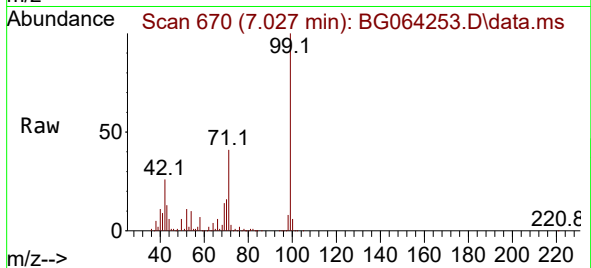
Tgt Ion:112 Resp: 250087
Ion Ratio Lower Upper
112 100
64 64.5 51.8 77.6
63 38.5 30.6 45.8



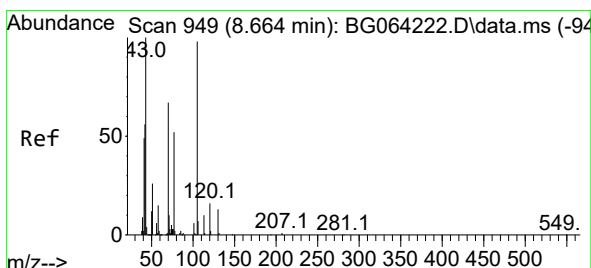
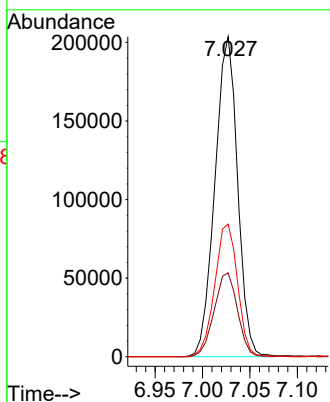
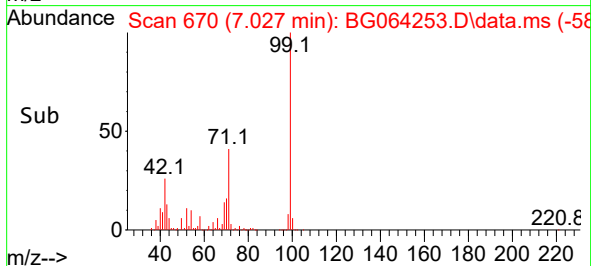


#7
Phenol-d6
Concen: 135.820 ng
RT: 7.027 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

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

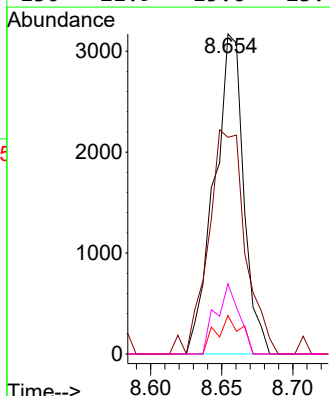
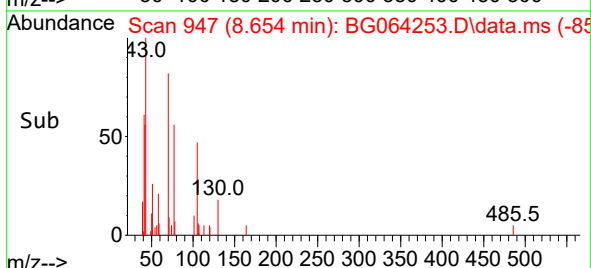
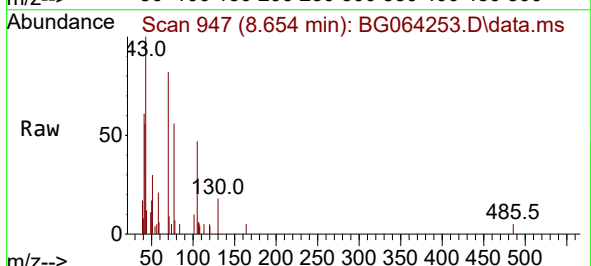


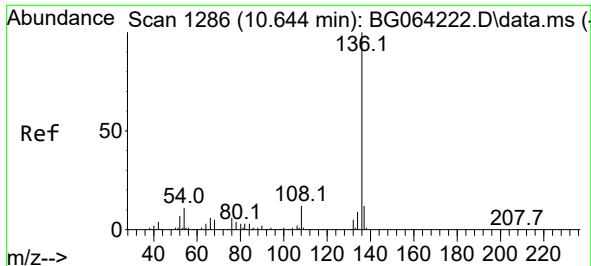
Tgt Ion: 99 Resp: 339054
Ion Ratio Lower Upper
99 100
42 26.2 25.8 38.8
71 41.5 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.385 ng
RT: 8.654 min Scan# 947
Delta R.T. -0.010 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

Tgt Ion: 70 Resp: 4556
Ion Ratio Lower Upper
70 100
42 67.7 67.9 101.9#
101 12.0 7.3 10.9#
130 21.9 15.6 23.4

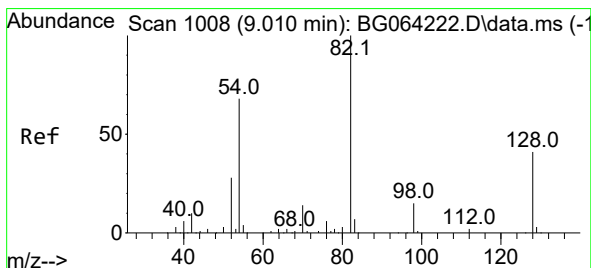
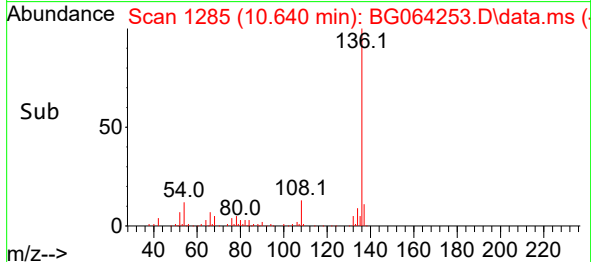
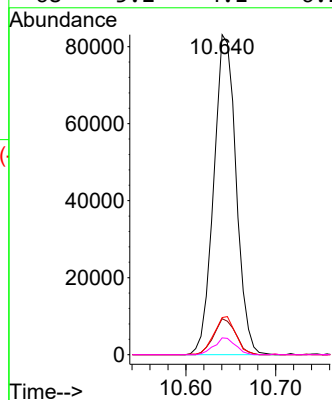
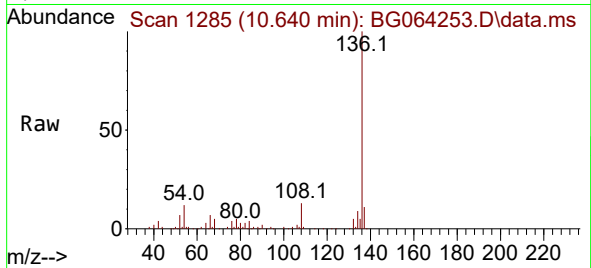




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

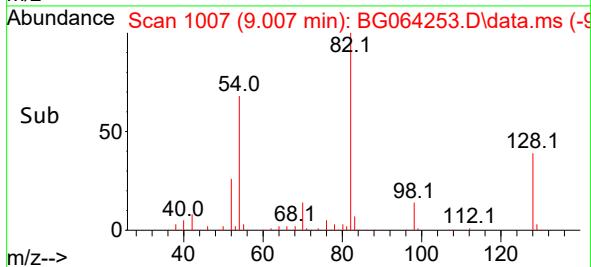
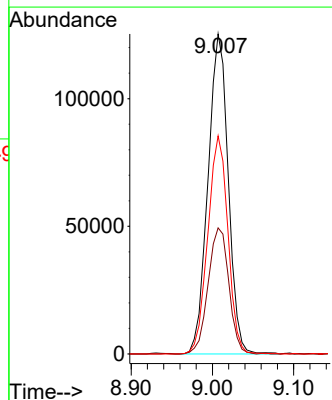
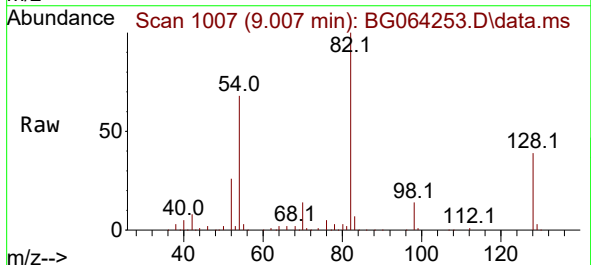
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

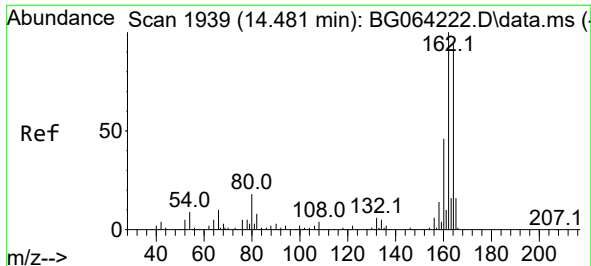
Tgt Ion:136 Resp: 143781
Ion Ratio Lower Upper
136 100
137 11.3 9.6 14.4
54 11.6 8.8 13.2
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 84.131 ng
RT: 9.007 min Scan# 1007
Delta R.T. -0.010 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

Tgt Ion: 82 Resp: 216897
Ion Ratio Lower Upper
82 100
128 39.4 32.6 48.8
54 68.1 54.7 82.1

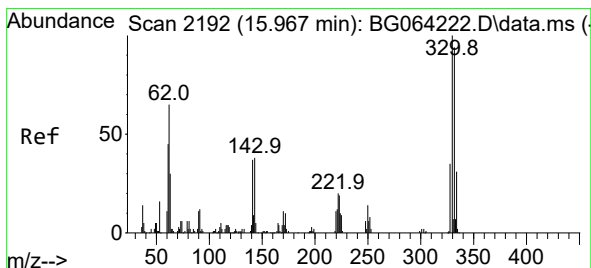
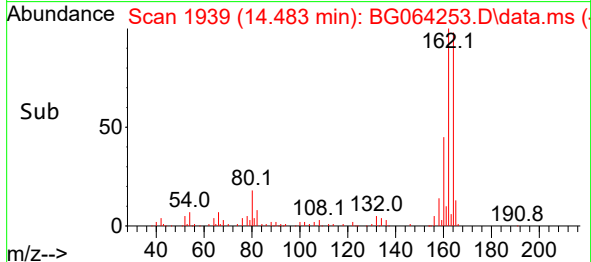
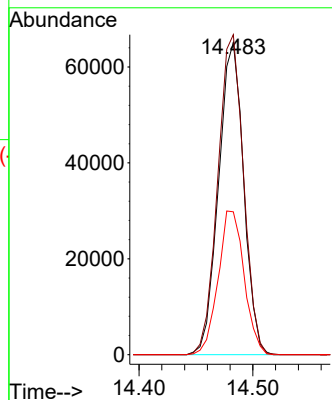
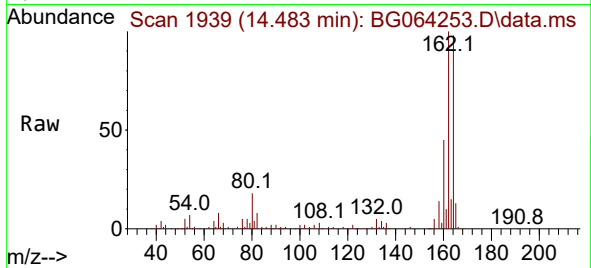




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. 0.002 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

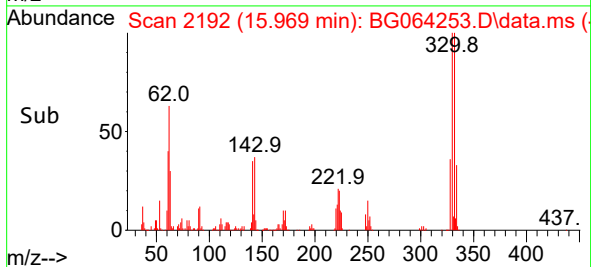
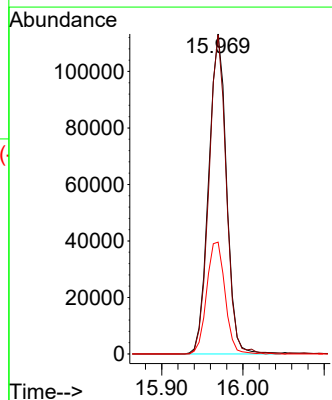
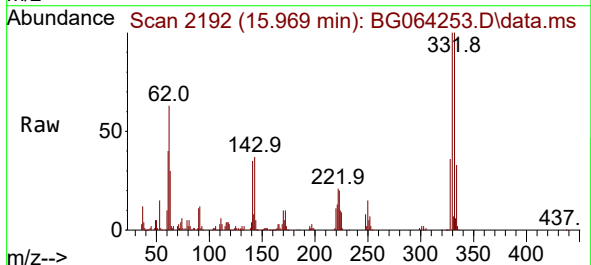
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

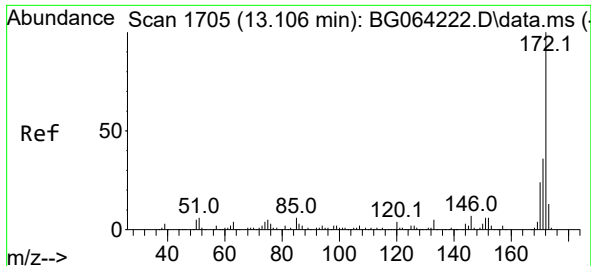
Tgt Ion:164 Resp: 99791
Ion Ratio Lower Upper
164 100
162 102.5 85.4 128.0
160 45.8 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 130.467 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.004 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

Tgt Ion:330 Resp: 172448
Ion Ratio Lower Upper
330 100
332 97.0 77.6 116.4
141 36.0 29.8 44.6

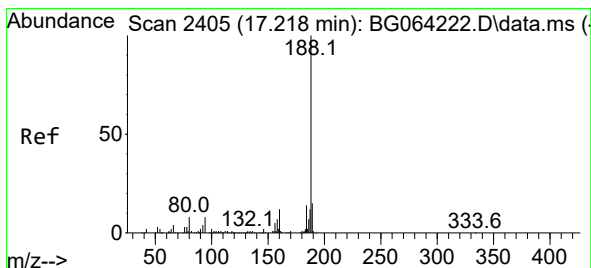
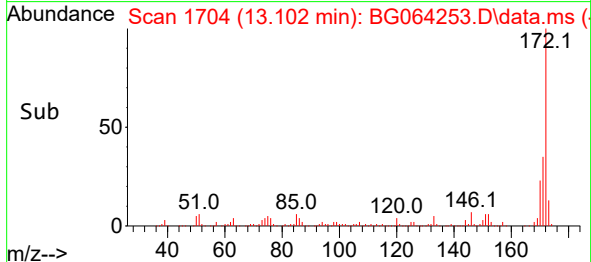
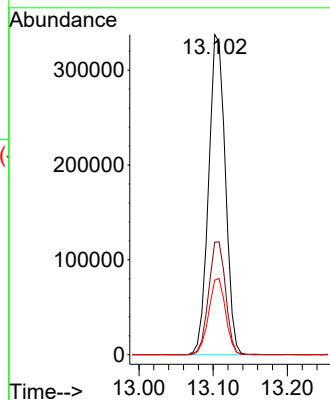
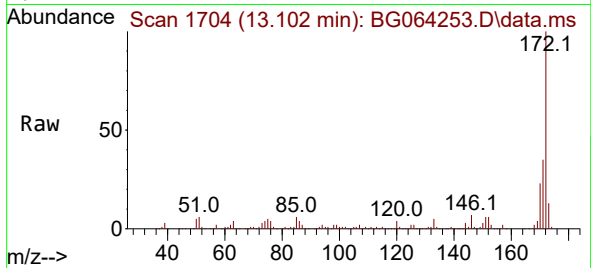




#45
2-Fluorobiphenyl
Concen: 80.803 ng
RT: 13.102 min Scan# 1704
Delta R.T. -0.010 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

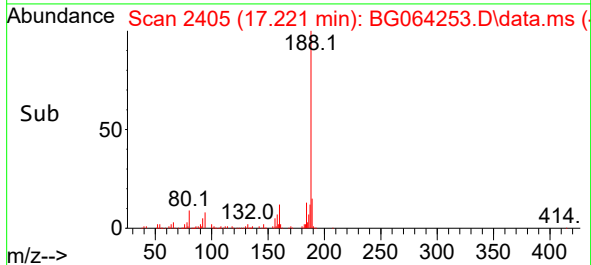
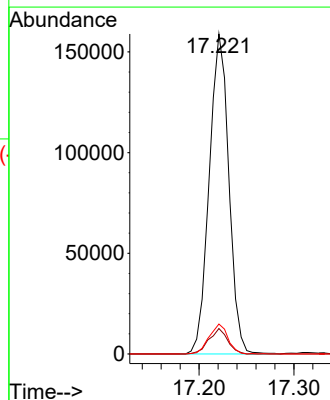
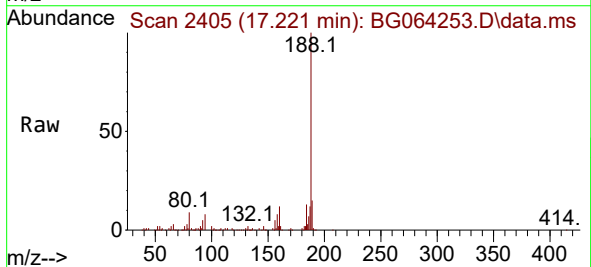
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

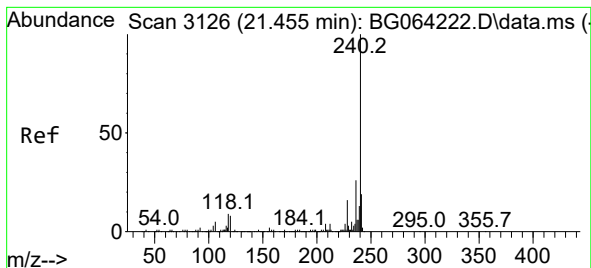
Tgt Ion:172 Resp: 528278
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.3 19.0 28.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BG064253.D
Acq: 3 Sep 2025 14:23

Tgt Ion:188 Resp: 228661
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.4
80 9.4 6.8 10.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.451 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG064253.D

Acq: 3 Sep 2025 14:23

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

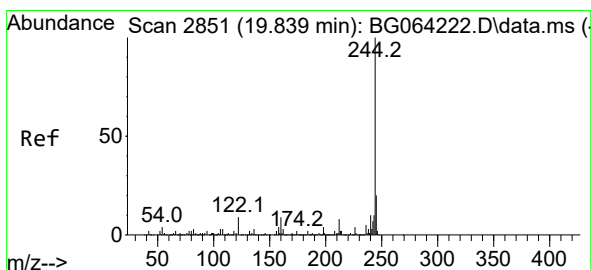
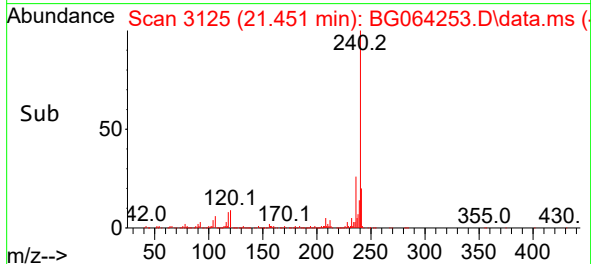
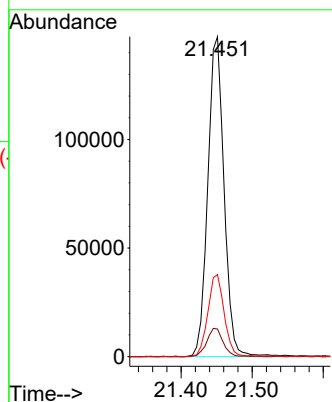
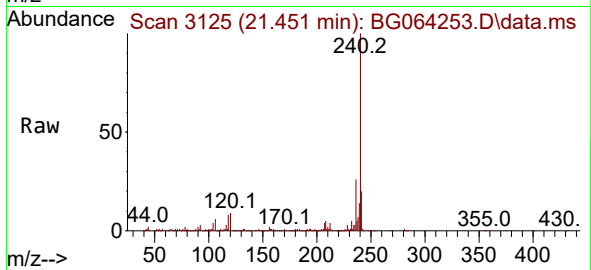
Tgt Ion:240 Resp: 234098

Ion Ratio Lower Upper

240 100

120 8.6 6.2 9.4

236 25.6 20.5 30.7



#79

Terphenyl-d14

Concen: 79.811 ng

RT: 19.841 min Scan# 2851

Delta R.T. -0.004 min

Lab File: BG064253.D

Acq: 3 Sep 2025 14:23

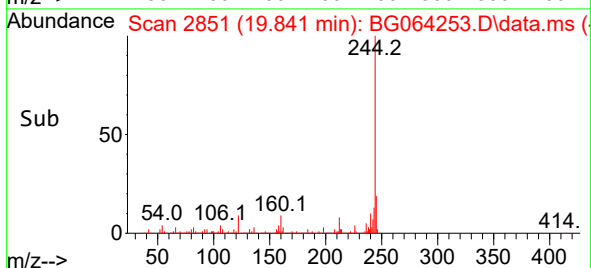
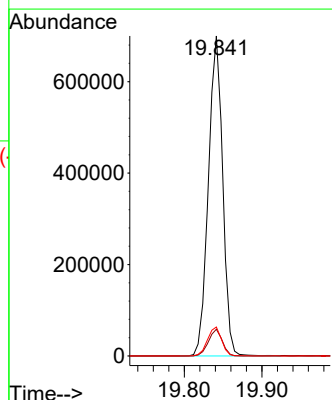
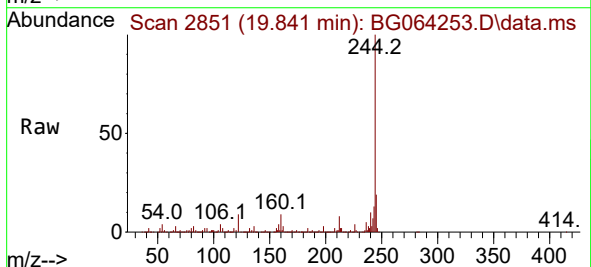
Tgt Ion:244 Resp: 895515

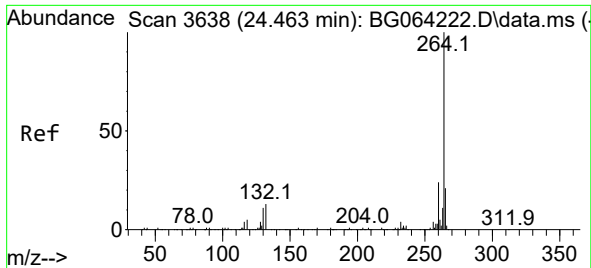
Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

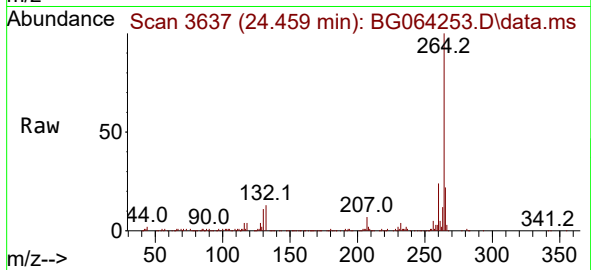
122 9.1 7.0 10.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.459 min Scan# 30
 Delta R.T. -0.004 min
 Lab File: BG064253.D
 Acq: 3 Sep 2025 14:23

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



Tgt Ion:264 Resp: 252261
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.9 28.3
 265 22.2 16.7 25.1

