

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082925\
 Data File : BG064235.D
 Acq On : 29 Aug 2025 20:00
 Operator : RC/JU
 Sample : Q2971-37
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Aug 29 23:22:06 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)

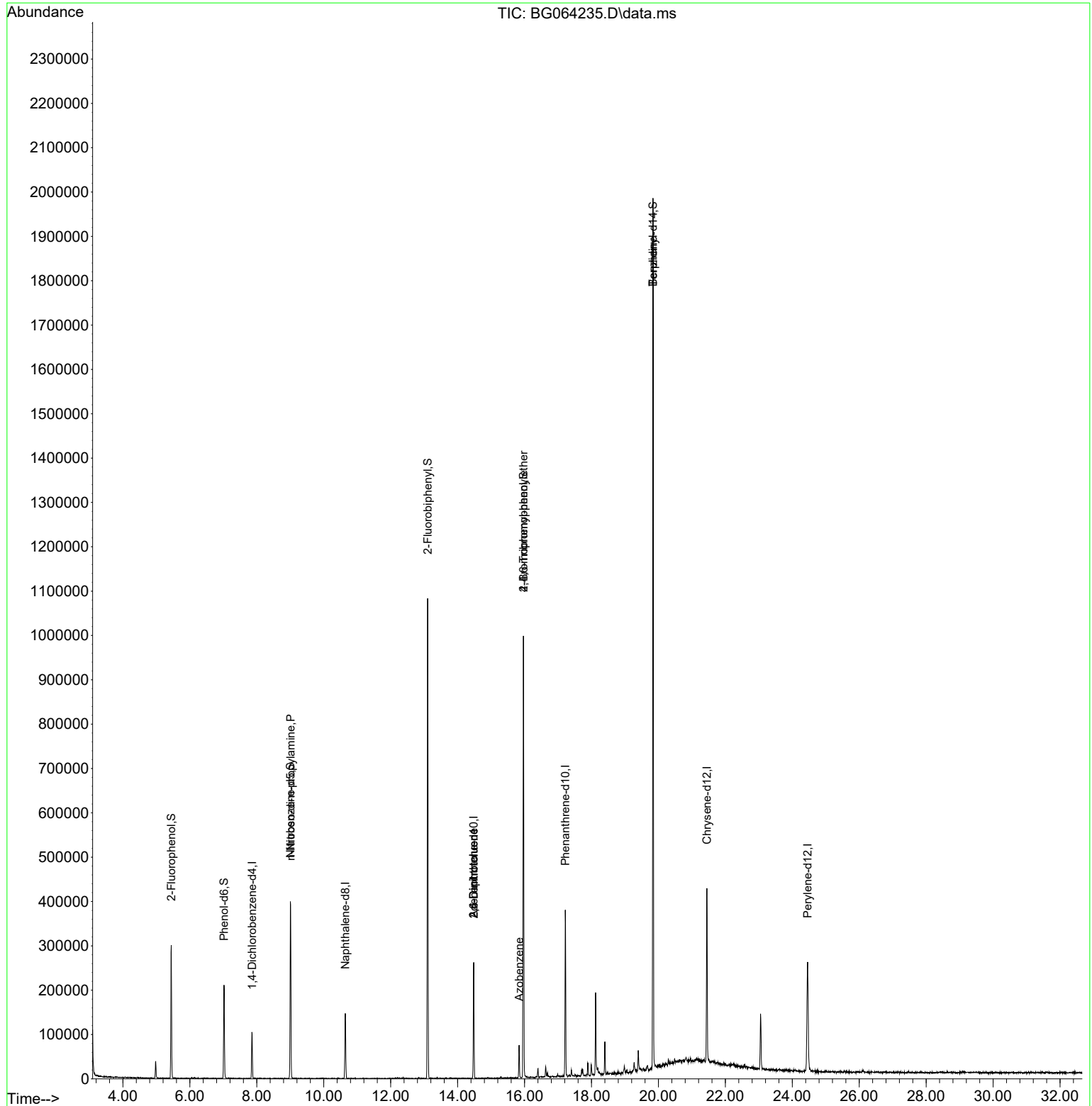
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	25824	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	116987	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	86126	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	215811	20.000	ng	0.00
76) Chrysene-d12	21.448	240	227514	20.000	ng	0.00
86) Perylene-d12	24.456	264	251884	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.443	112	116331	80.820	ng	0.00
7) Phenol-d6	7.018	99	103568	52.374	ng	-0.01
23) Nitrobenzene-d5	9.004	82	210528	100.364	ng	-0.01
42) 2,4,6-Tribromophenol	15.966	330	169179	148.301	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	524650	92.980	ng	0.00
79) Terphenyl-d14	19.838	244	891517	81.754	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.010	70	29930	19.776	ng	# 76
51) 2,6-Dinitrotoluene	14.480	165	12142	9.621	ng	# 17
57) 2,4-Dinitrotoluene	14.480	165	12142	6.363	ng	# 19
63) Azobenzene	15.837	77	21198	3.409	ng	# 5
67) 4-Bromophenyl-phenylether	15.966	248	11944	5.211	ng	# 1
77) Benzidine	19.838	184	16688	3.487	ng	# 87

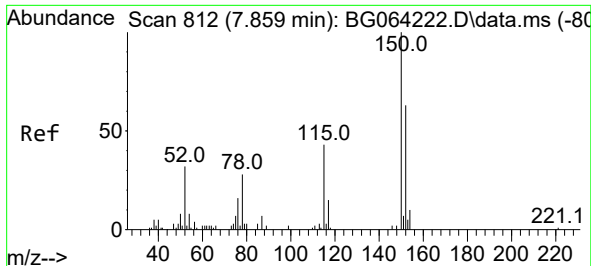
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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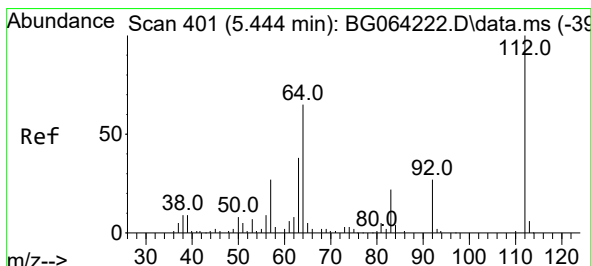
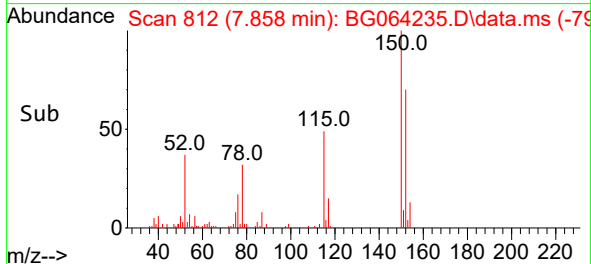
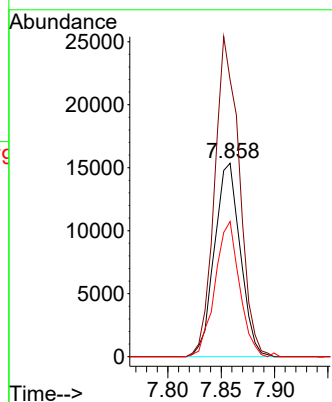
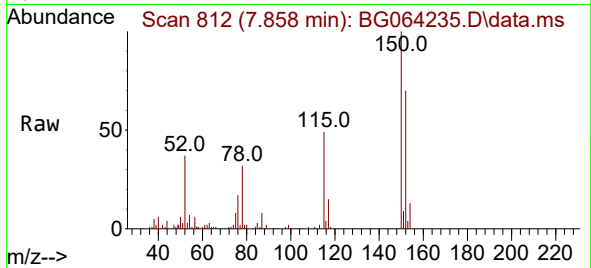




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 812
Delta R.T. -0.001 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

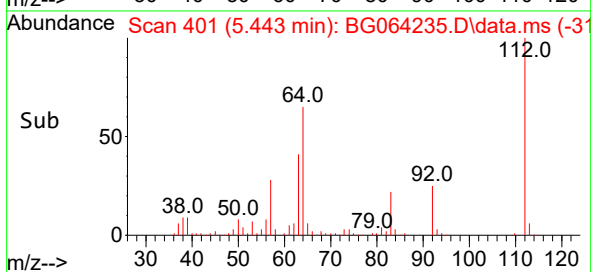
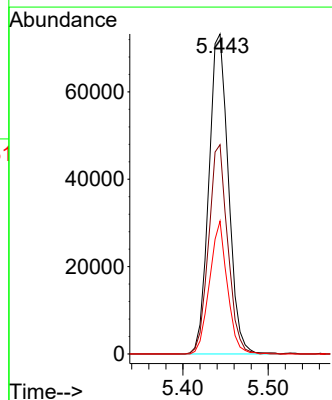
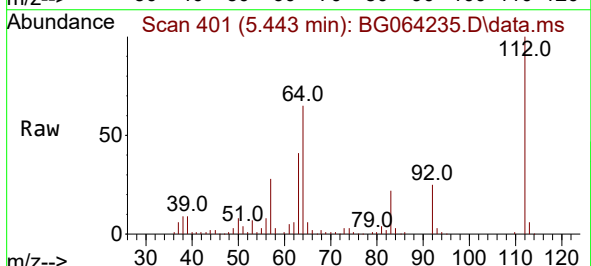
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

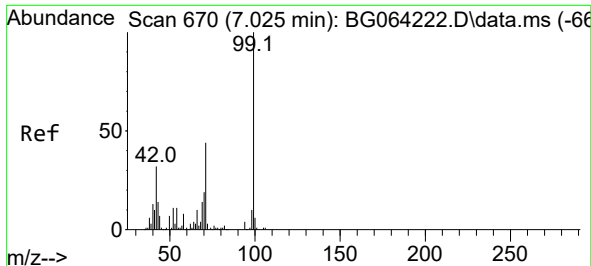
Tgt Ion:152 Resp: 25824
Ion Ratio Lower Upper
152 100
150 143.0 128.0 192.0
115 69.8 55.7 83.5



#5
2-Fluorophenol
Concen: 80.820 ng
RT: 5.443 min Scan# 401
Delta R.T. -0.001 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

Tgt Ion:112 Resp: 116331
Ion Ratio Lower Upper
112 100
64 65.4 51.8 77.6
63 41.5 30.6 45.8

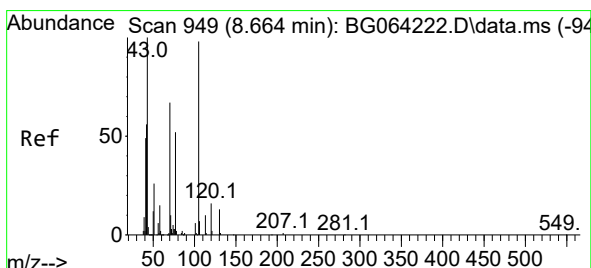
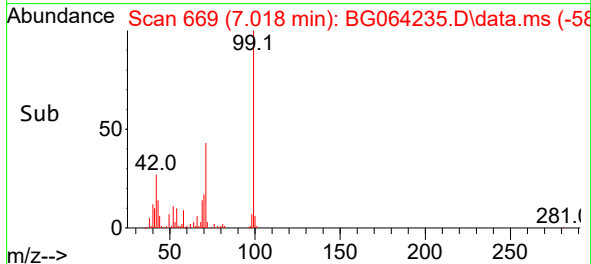
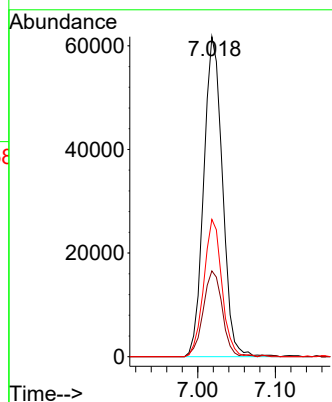
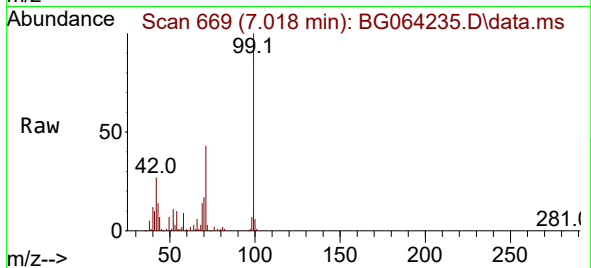




#7
Phenol-d6
Concen: 52.374 ng
RT: 7.018 min Scan# 60
Delta R.T. -0.013 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

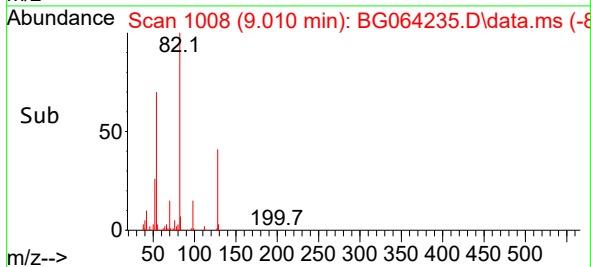
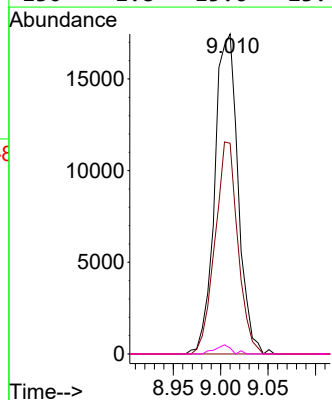
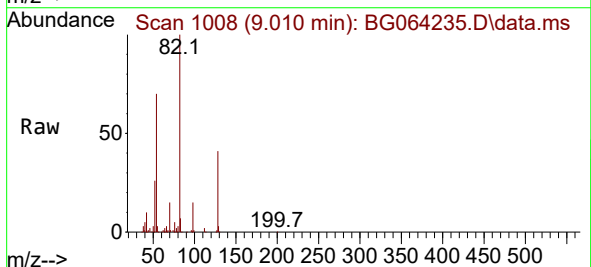
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

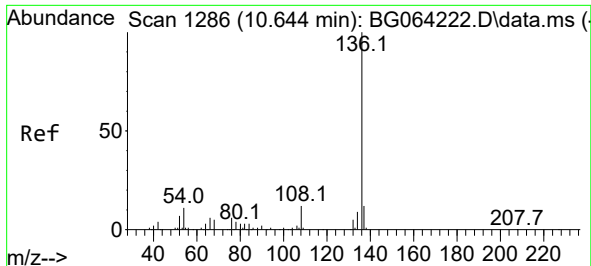
Tgt Ion: 99 Resp: 103568
Ion Ratio Lower Upper
99 100
42 26.8 25.8 38.8
71 42.9 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.776 ng
RT: 9.010 min Scan# 1008
Delta R.T. 0.346 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

Tgt Ion: 70 Resp: 29930
Ion Ratio Lower Upper
70 100
42 65.9 67.9 101.9#
101 0.0 7.3 10.9#
130 1.8 15.6 23.4#

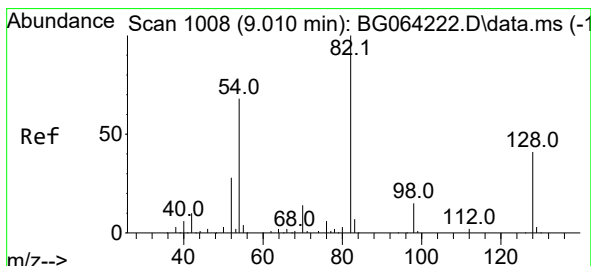
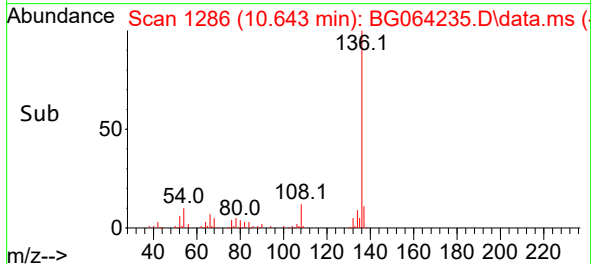
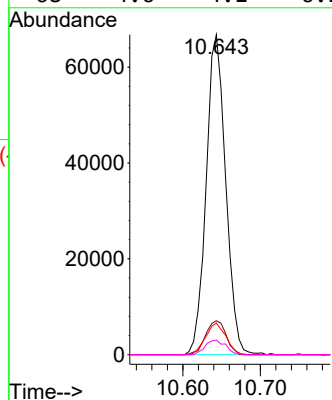
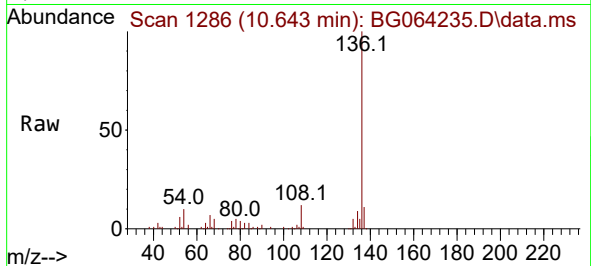




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.643 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

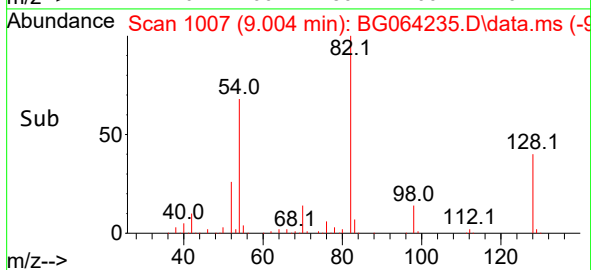
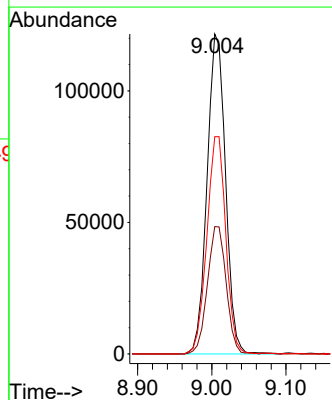
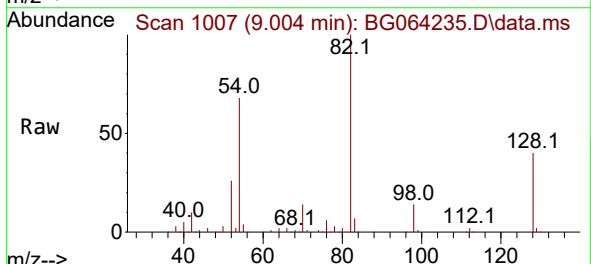
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

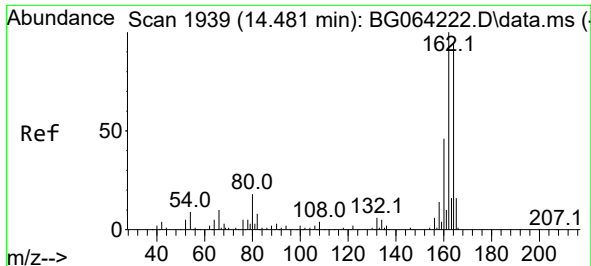
Tgt Ion:	136	Resp:	116987
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.6	14.4
54	9.9	8.8	13.2
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 100.364 ng
RT: 9.004 min Scan# 1007
Delta R.T. -0.013 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

Tgt Ion:	82	Resp:	210528
Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.6	48.8
54	67.9	54.7	82.1

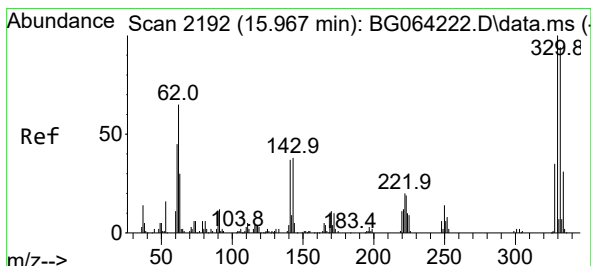
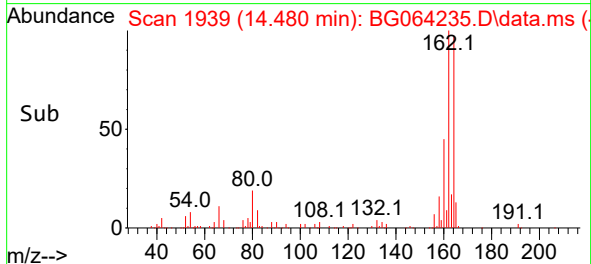
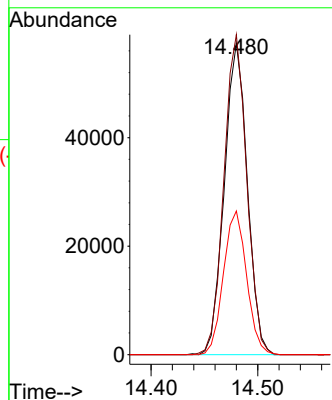
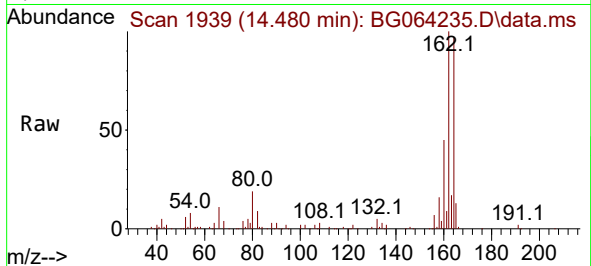




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.001 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

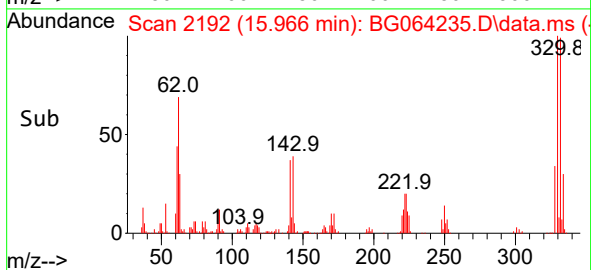
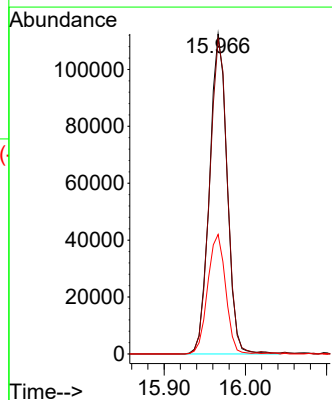
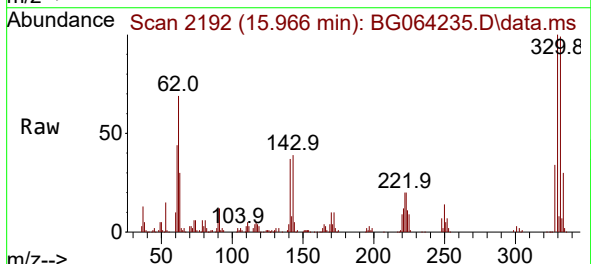
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

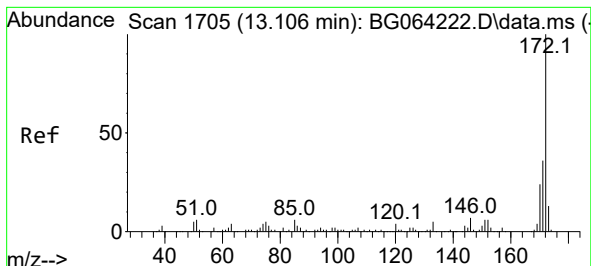
Tgt Ion:164 Resp: 86126
Ion Ratio Lower Upper
164 100
162 102.7 85.4 128.0
160 46.1 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 148.301 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

Tgt Ion:330 Resp: 169179
Ion Ratio Lower Upper
330 100
332 98.9 77.6 116.4
141 38.0 29.8 44.6

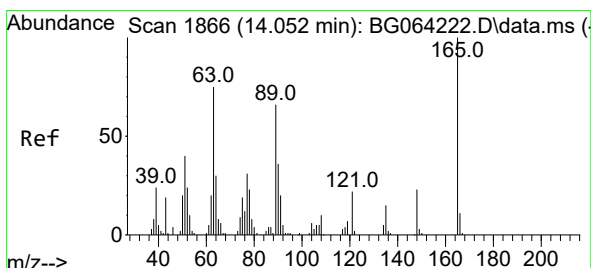
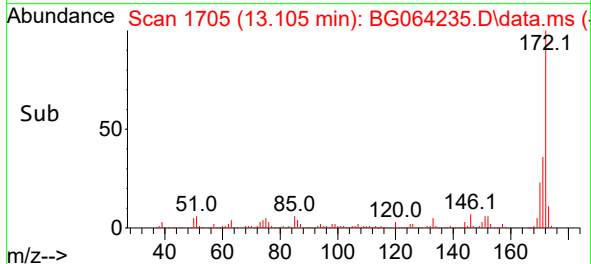
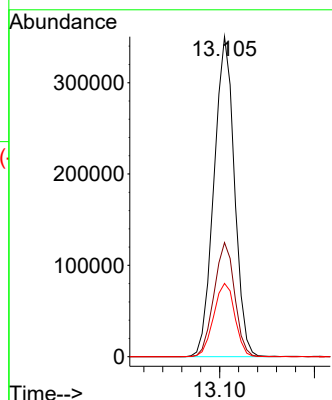
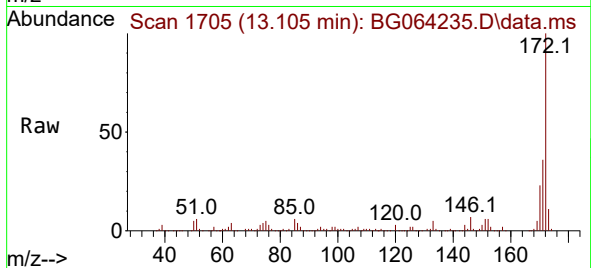




#45
 2-Fluorobiphenyl
 Concen: 92.980 ng
 RT: 13.105 min Scan# 1
 Delta R.T. -0.007 min
 Lab File: BG064235.D
 Acq: 29 Aug 2025 20:00

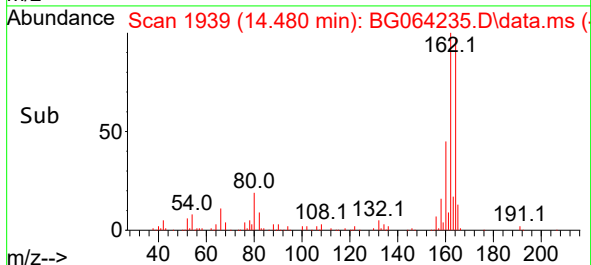
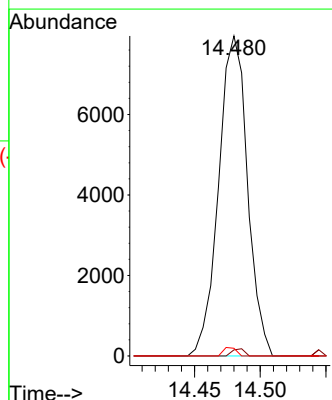
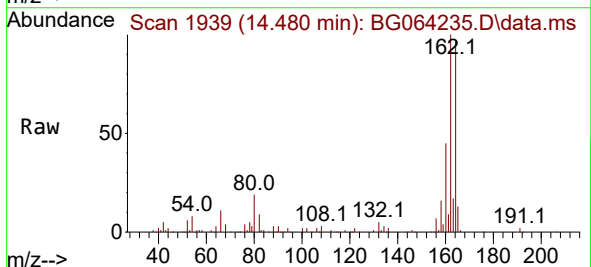
Instrument :
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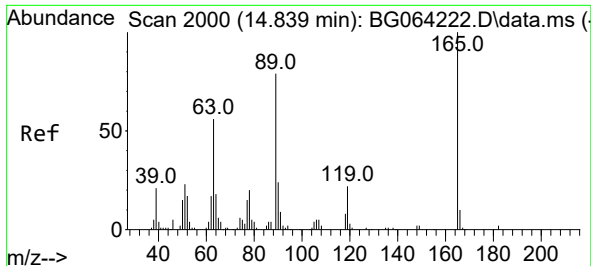
Tgt Ion:172 Resp: 524650
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.7 43.1
 170 22.9 19.0 28.6



#51
 2,6-Dinitrotoluene
 Concen: 9.621 ng
 RT: 14.480 min Scan# 1939
 Delta R.T. 0.422 min
 Lab File: BG064235.D
 Acq: 29 Aug 2025 20:00

Tgt Ion:165 Resp: 12142
 Ion Ratio Lower Upper
 165 100
 63 1.9 60.3 90.5#
 89 2.4 52.9 79.3#

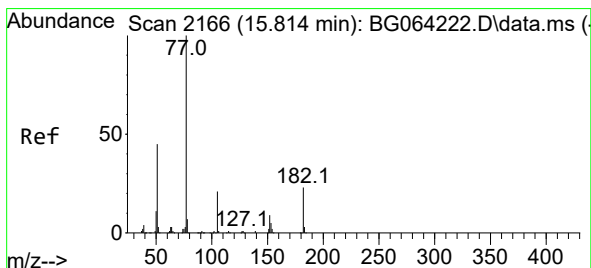
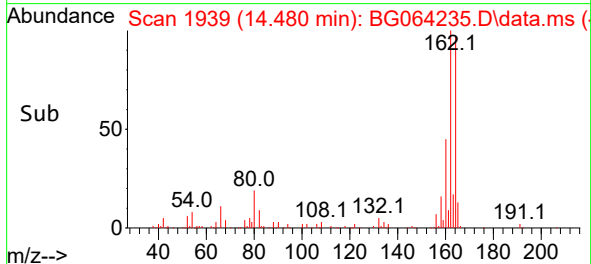
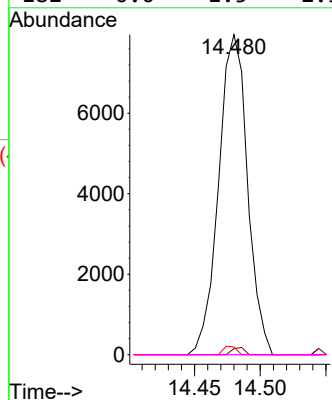
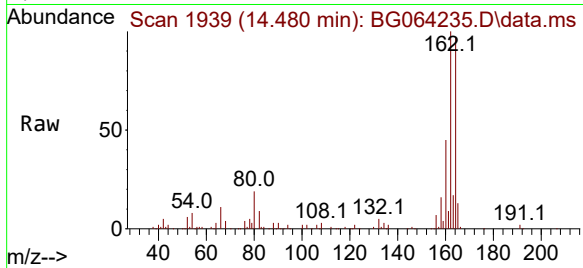




#57
2,4-Dinitrotoluene
Concen: 6.363 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.365 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

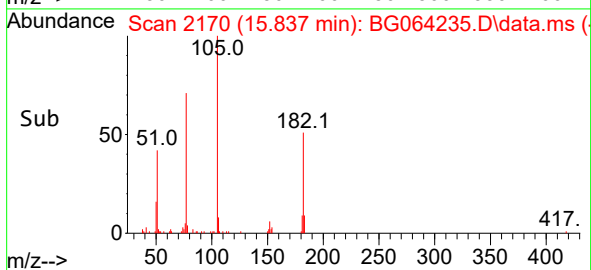
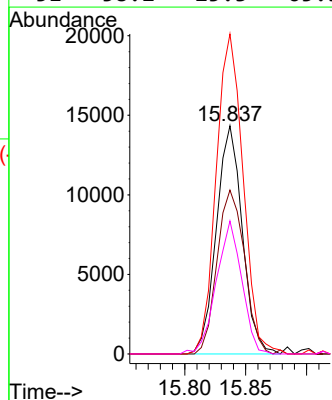
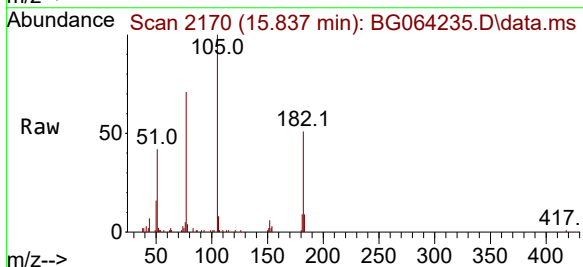
Instrument :
BNA_G
ClientSampleId :
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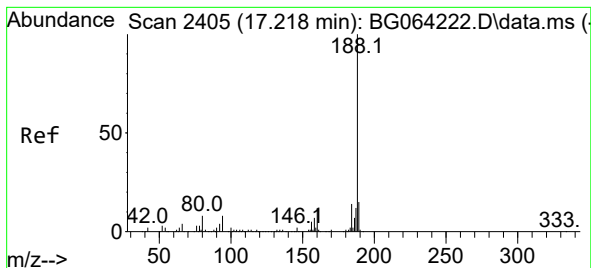
Tgt Ion:	165	Resp:	12142
Ion Ratio	Lower	Upper	
165	100		
63	1.9	44.6	67.0#
89	2.4	63.0	94.4#
182	0.0	1.5	2.3#



#63
Azobenzene
Concen: 3.409 ng
RT: 15.837 min Scan# 2170
Delta R.T. 0.017 min
Lab File: BG064235.D
Acq: 29 Aug 2025 20:00

Tgt Ion:	77	Resp:	21198
Ion Ratio	Lower	Upper	
77	100		
182	71.8	3.3	43.3#
105	140.2	0.6	40.6#
51	58.2	25.3	65.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.218 min Scan# 24

Delta R.T. -0.007 min

Lab File: BG064235.D

Acq: 29 Aug 2025 20:00

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

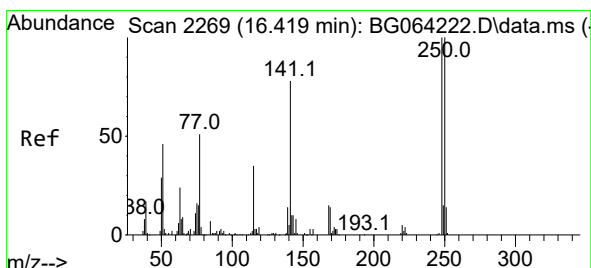
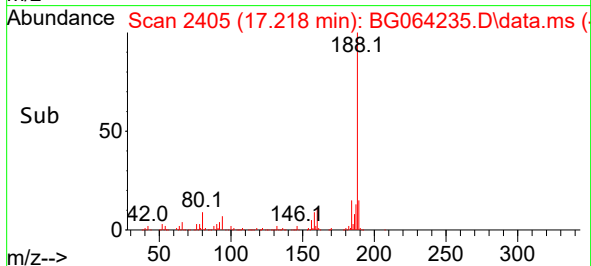
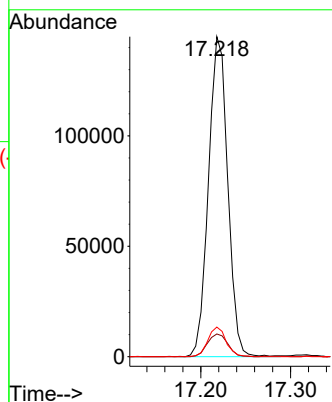
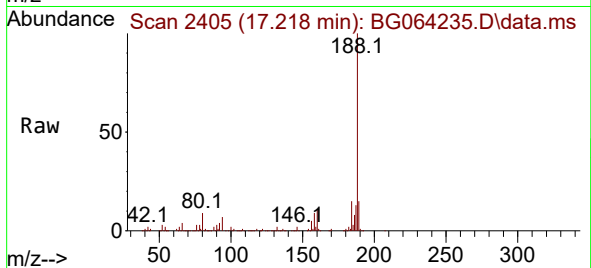
Tgt Ion:188 Resp: 215811

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

80 9.2 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 5.211 ng

RT: 15.966 min Scan# 2192

Delta R.T. -0.453 min

Lab File: BG064235.D

Acq: 29 Aug 2025 20:00

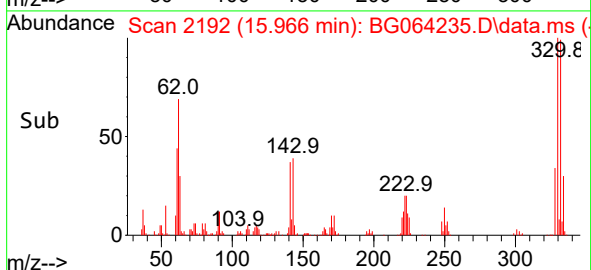
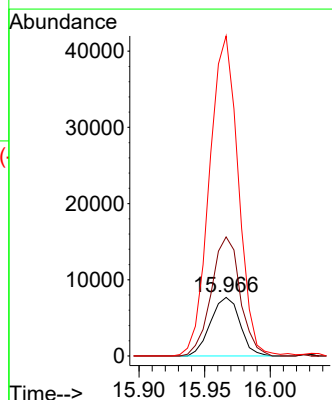
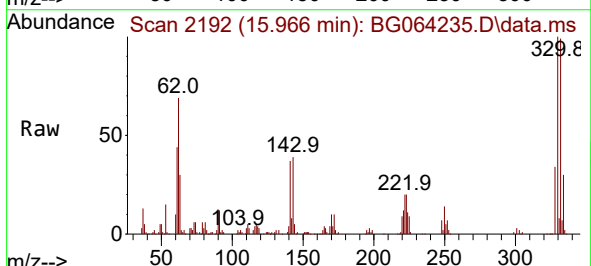
Tgt Ion:248 Resp: 11944

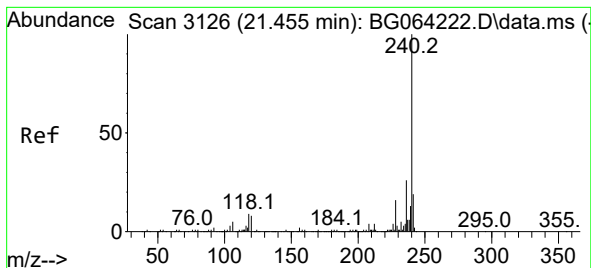
Ion Ratio Lower Upper

248 100

250 203.0 80.2 120.4#

141 545.7 62.4 93.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.448 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG064235.D

Acq: 29 Aug 2025 20:00

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

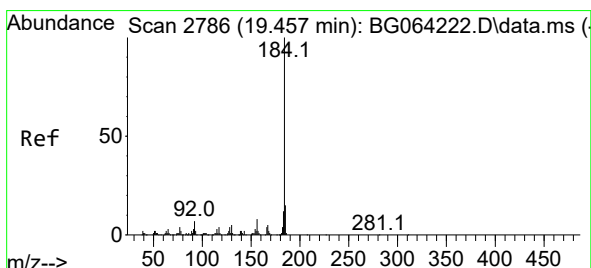
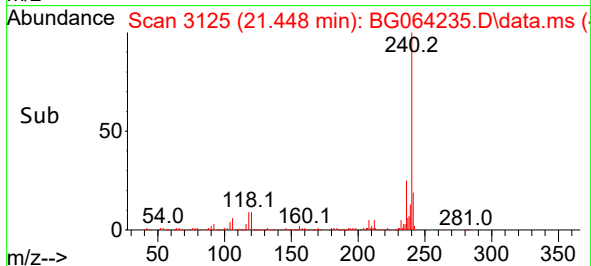
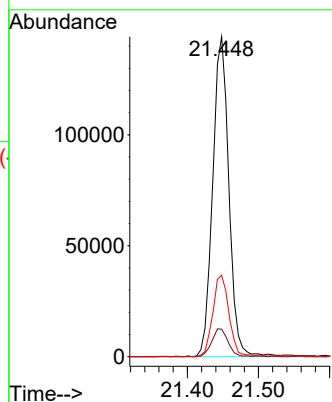
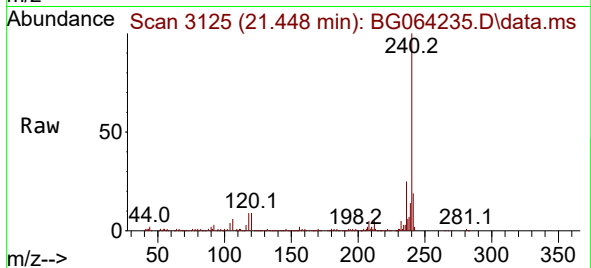
Tgt Ion:240 Resp: 227514

Ion Ratio Lower Upper

240 100

120 8.6 6.2 9.4

236 25.4 20.5 30.7



#77

Benzidine

Concen: 3.487 ng

RT: 19.838 min Scan# 2851

Delta R.T. 0.381 min

Lab File: BG064235.D

Acq: 29 Aug 2025 20:00

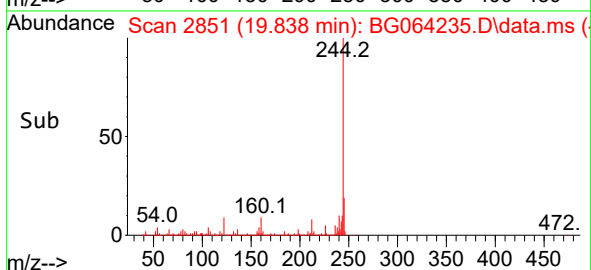
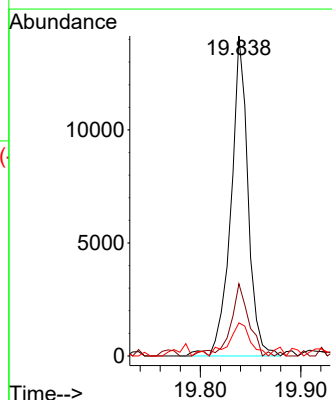
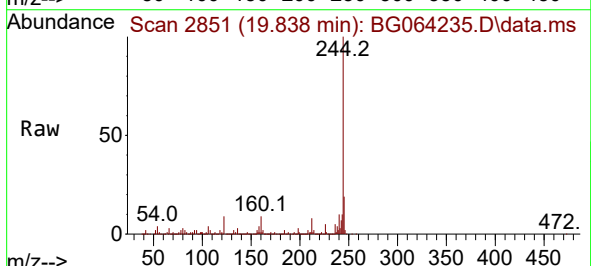
Tgt Ion:184 Resp: 16688

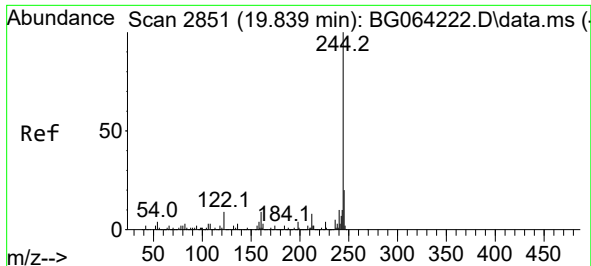
Ion Ratio Lower Upper

184 100

185 22.5 11.7 17.5#

183 10.3 9.7 14.5

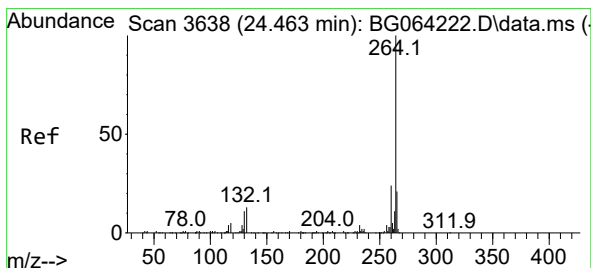
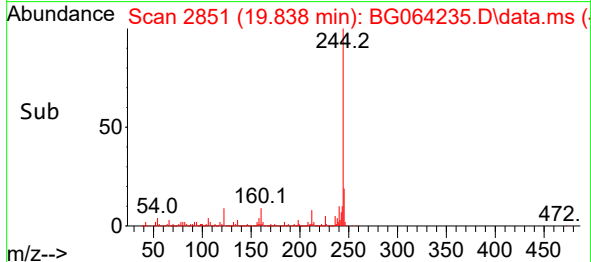
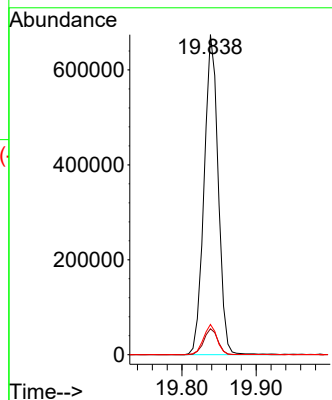
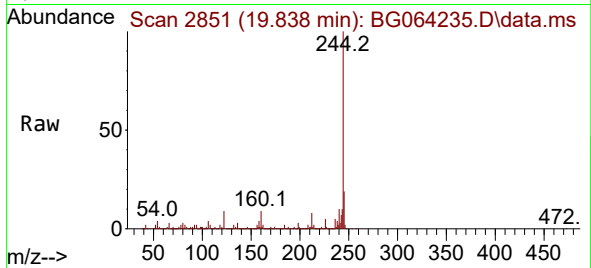




#79
 Terphenyl-d14
 Concen: 81.754 ng
 RT: 19.838 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG064235.D
 Acq: 29 Aug 2025 20:00

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tgt Ion:244 Resp: 891517
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 10.0
 122 9.5 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.456 min Scan# 3637
 Delta R.T. -0.007 min
 Lab File: BG064235.D
 Acq: 29 Aug 2025 20:00

Tgt Ion:264 Resp: 251884
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.9 28.3
 265 21.9 16.7 25.1

