

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064309.D
 Acq On : 8 Sep 2025 16:19
 Operator : RC/JU
 Sample : Q3032-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1

Quant Time: Sep 08 17:00:30 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)

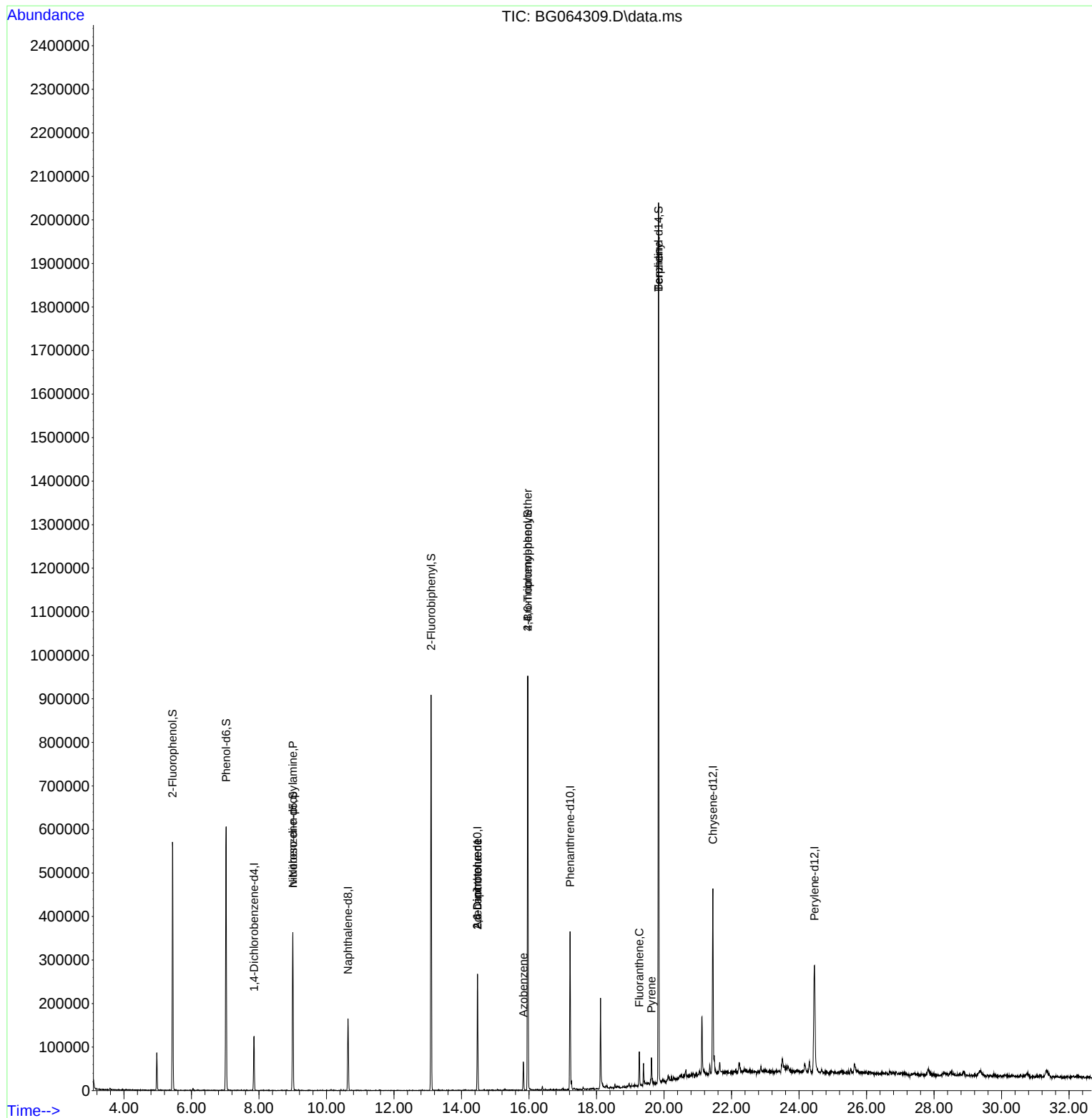
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	30958	20.000	ng	0.00
21) Naphthalene-d8	10.636	136	128379	20.000	ng	#-0.01
39) Acenaphthene-d10	14.473	164	87714	20.000	ng	0.00
64) Phenanthrene-d10	17.217	188	216909	20.000	ng	# 0.00
76) Chrysene-d12	21.447	240	236168	20.000	ng	0.00
86) Perylene-d12	24.456	264	267983	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.437	112	209893	121.638	ng	0.00
7) Phenol-d6	7.023	99	272607	114.994	ng	0.00
23) Nitrobenzene-d5	9.003	82	187497	81.452	ng	-0.01
42) 2,4,6-Tribromophenol	15.960	330	174374	150.088	ng	-0.01
45) 2-Fluorobiphenyl	13.098	172	452664	78.770	ng	-0.01
79) Terphenyl-d14	19.837	244	885501	78.227	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.003	70	28137	15.508	ng	# 74
51) 2,6-Dinitrotoluene	14.473	165	13166	10.243	ng	# 15
57) 2,4-Dinitrotoluene	14.473	165	13166	6.775	ng	# 18
63) Azobenzene	15.830	77	19902	3.143	ng	# 25
67) 4-Bromophenyl-phenylether	15.960	248	12533	5.440	ng	# 1
75) Fluoranthene	19.268	202	42739	3.177	ng	97
77) Benzidine	19.837	184	17611	3.545	ng	# 91
78) Pyrene	19.626	202	34445	2.315	ng	98

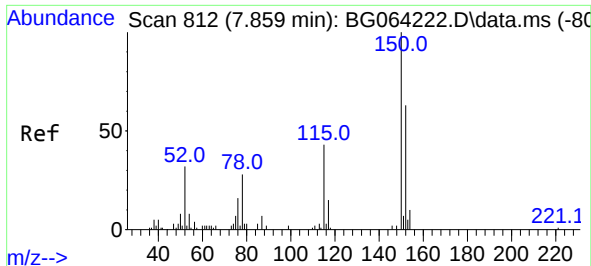
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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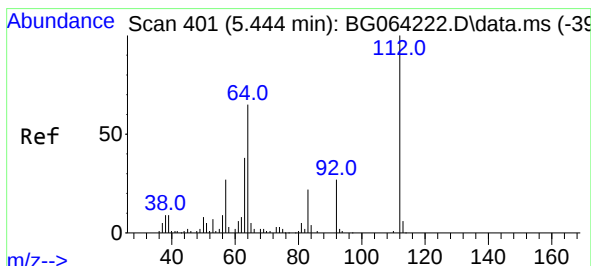
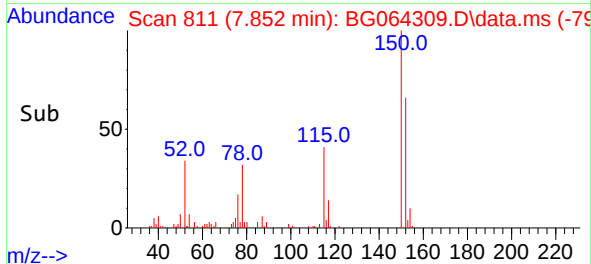
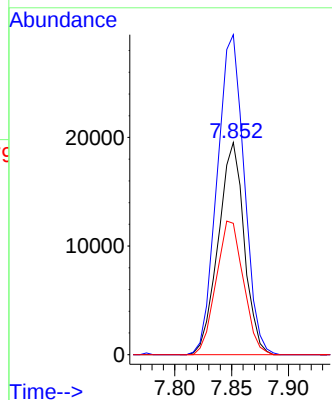
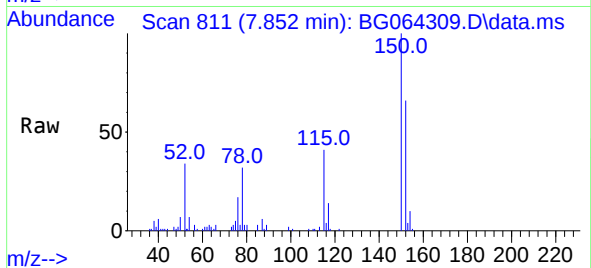




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

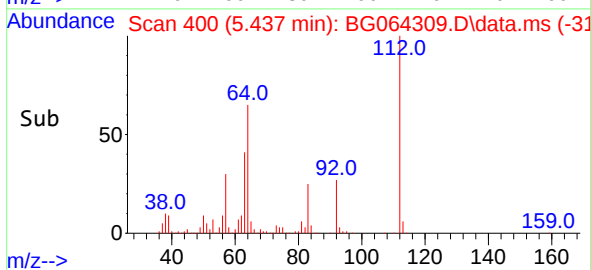
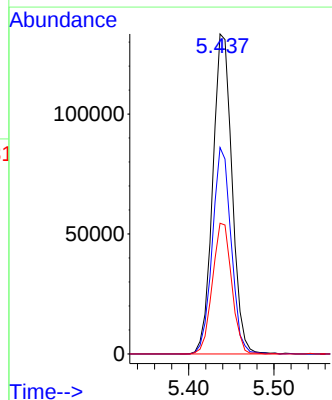
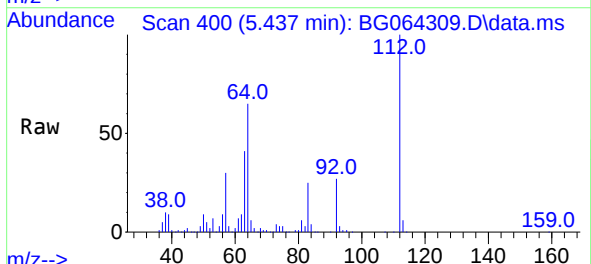
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

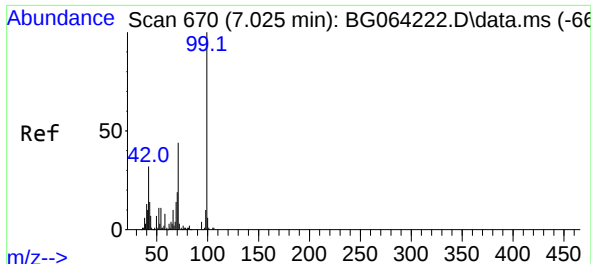
Tgt Ion:152 Resp: 30958
Ion Ratio Lower Upper
152 100
150 150.9 128.0 192.0
115 62.0 55.7 83.5



#5
2-Fluorophenol
Concen: 121.638 ng
RT: 5.437 min Scan# 400
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:112 Resp: 209893
Ion Ratio Lower Upper
112 100
64 64.5 51.8 77.6
63 40.9 30.6 45.8

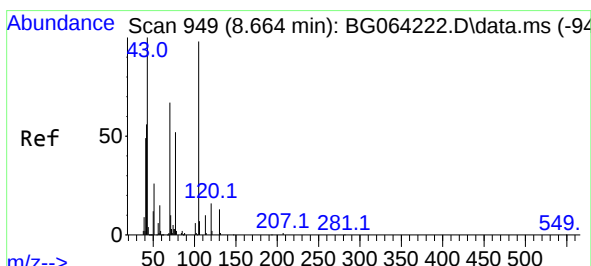
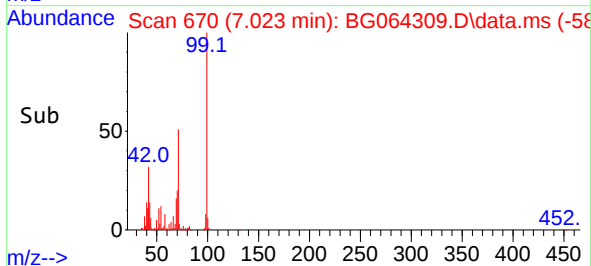
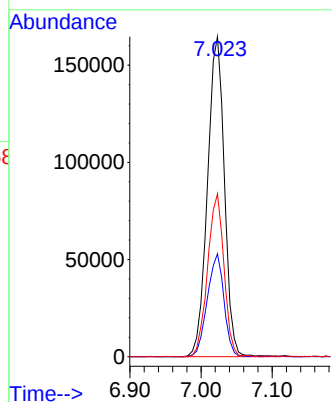
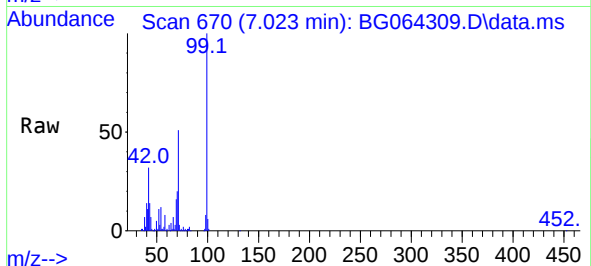




#7
Phenol-d6
Concen: 114.994 ng
RT: 7.023 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

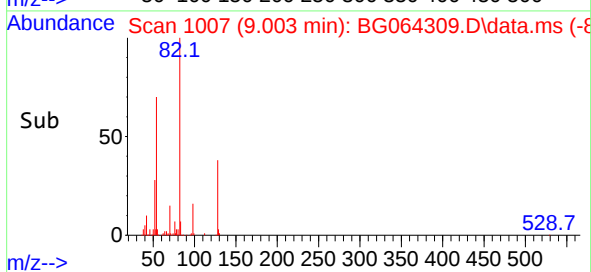
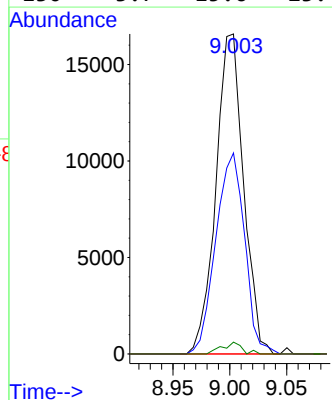
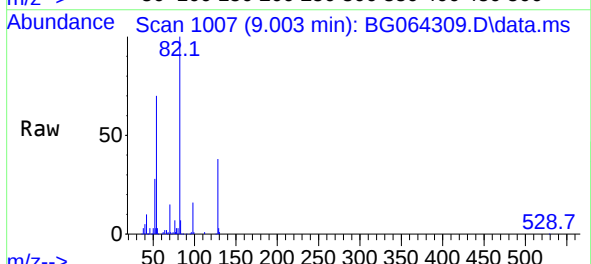
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

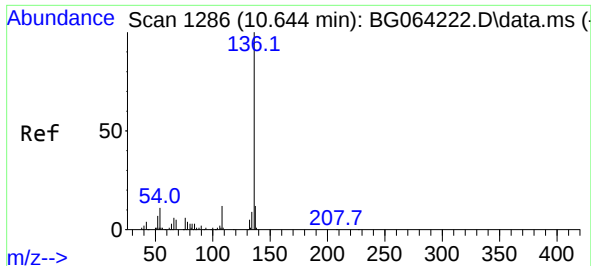
Tgt Ion: 99 Resp: 272607
Ion Ratio Lower Upper
99 100
42 32.2 25.8 38.8
71 50.9 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.508 ng
RT: 9.003 min Scan# 1007
Delta R.T. 0.339 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion: 70 Resp: 28137
Ion Ratio Lower Upper
70 100
42 62.8 67.9 101.9#
101 0.0 7.3 10.9#
130 3.7 15.6 23.4#

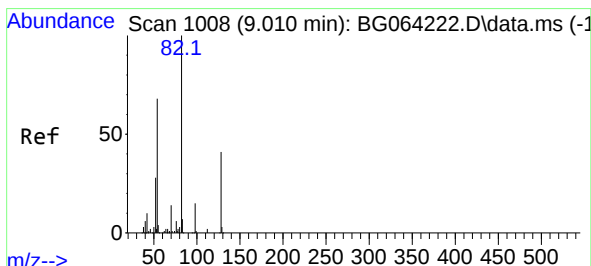
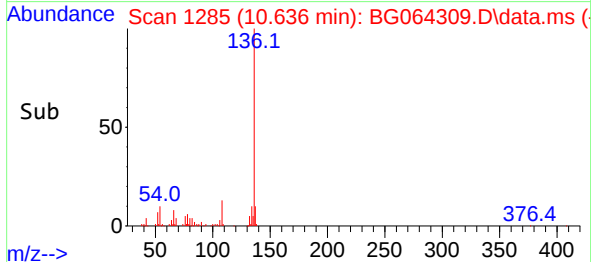
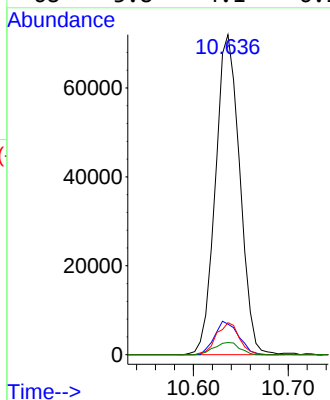
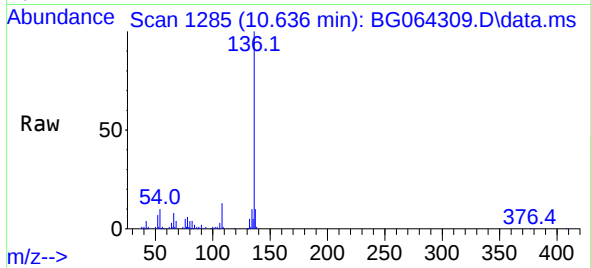




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.636 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

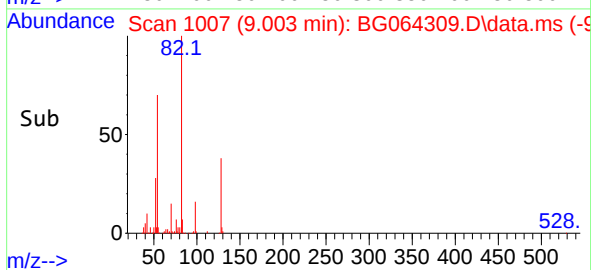
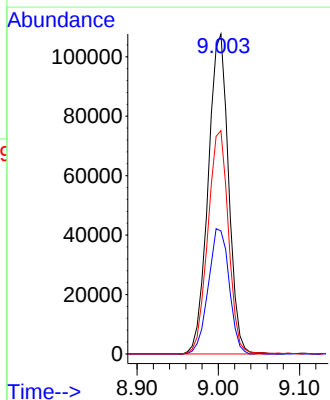
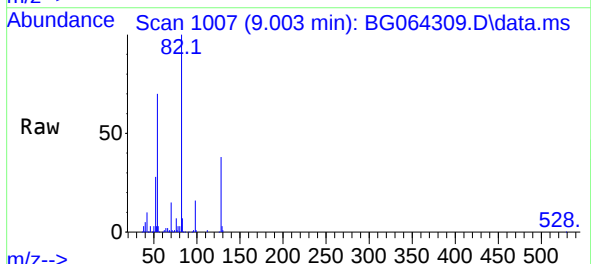
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

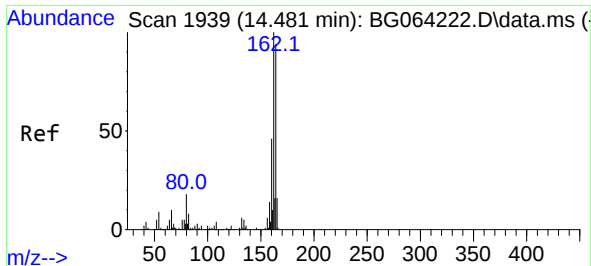
Tgt Ion:136 Resp: 128379
Ion Ratio Lower Upper
136 100
137 9.5 9.6 14.4#
54 10.0 8.8 13.2
68 3.8 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 81.452 ng
RT: 9.003 min Scan# 1007
Delta R.T. -0.013 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion: 82 Resp: 187497
Ion Ratio Lower Upper
82 100
128 38.5 32.6 48.8
54 69.8 54.7 82.1

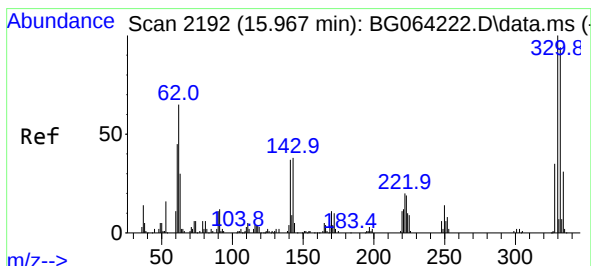
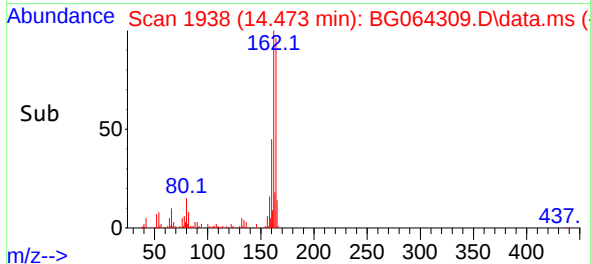
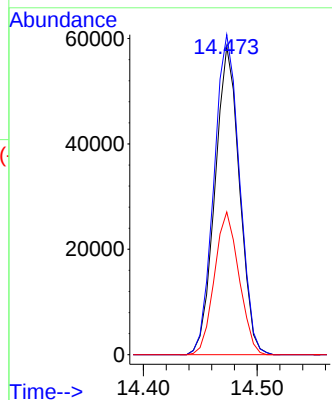
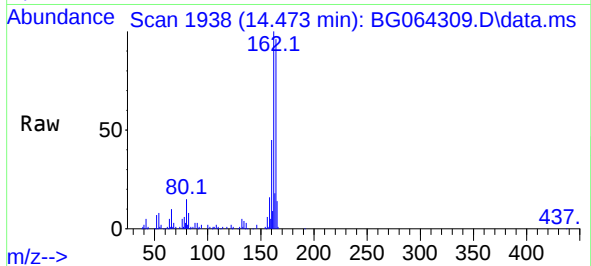




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.473 min Scan# 1938
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

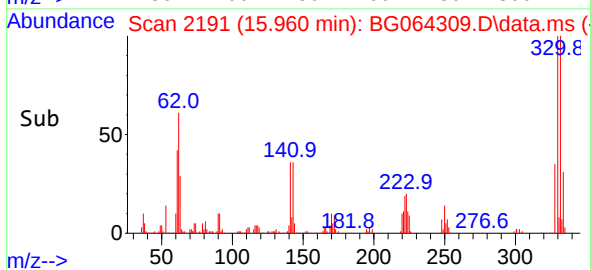
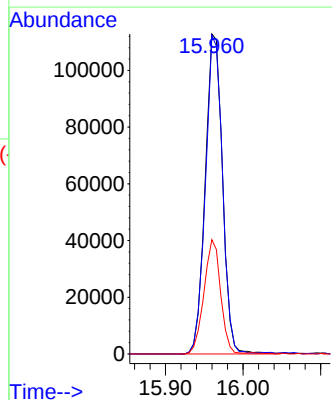
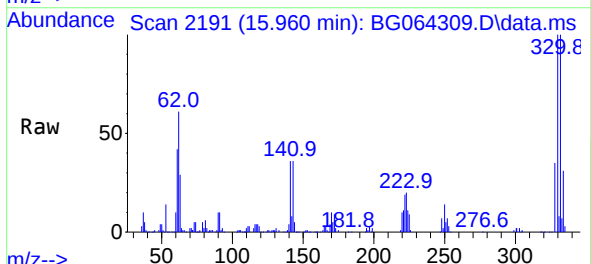
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

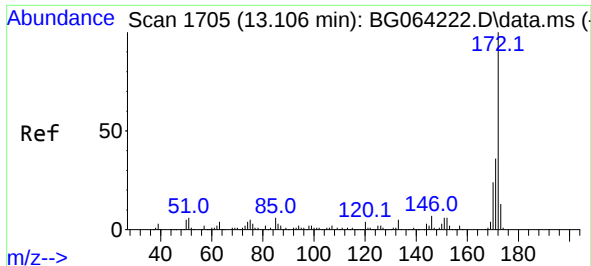
Tgt Ion:164 Resp: 87714
Ion Ratio Lower Upper
164 100
162 103.9 85.4 128.0
160 46.3 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 150.088 ng
RT: 15.960 min Scan# 2191
Delta R.T. -0.013 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:330 Resp: 174374
Ion Ratio Lower Upper
330 100
332 98.0 77.6 116.4
141 34.5 29.8 44.6

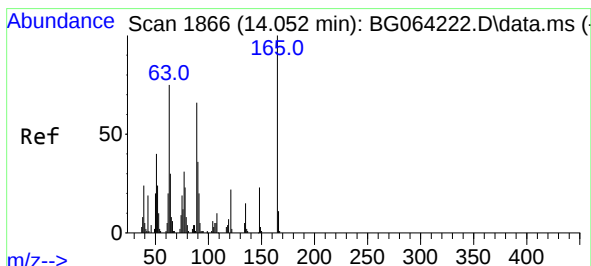
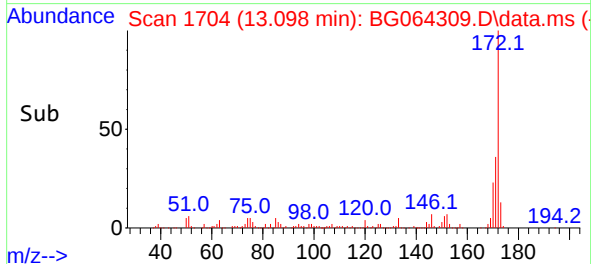
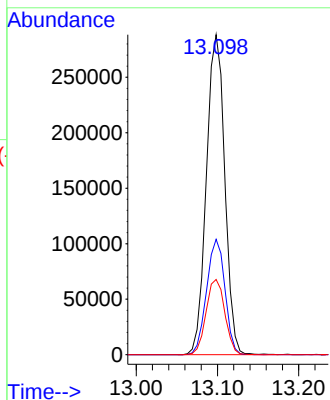
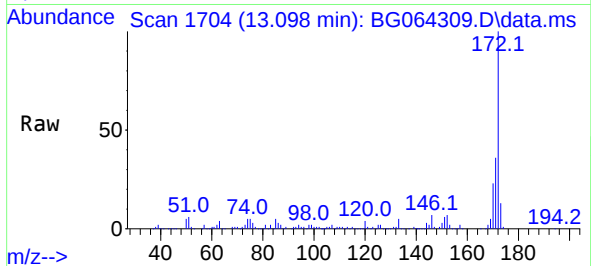




#45
2-Fluorobiphenyl
Concen: 78.770 ng
RT: 13.098 min Scan# 1
Delta R.T. -0.013 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

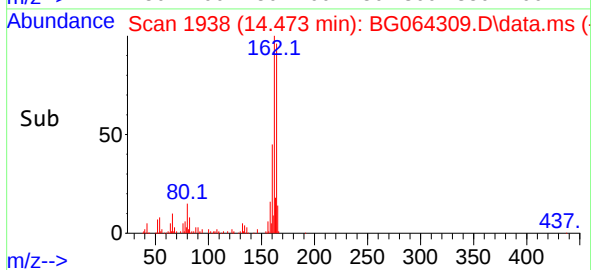
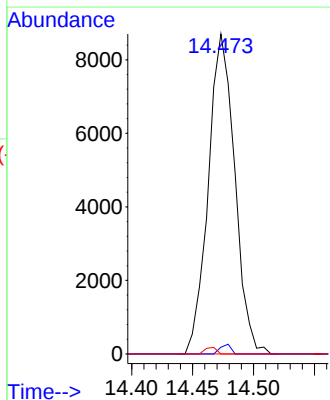
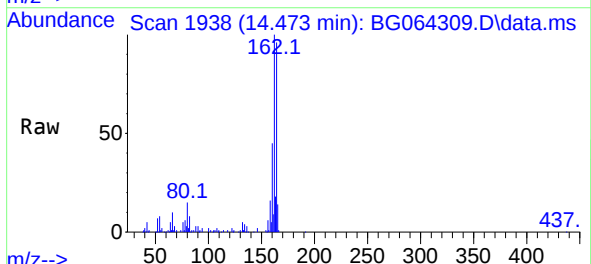
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

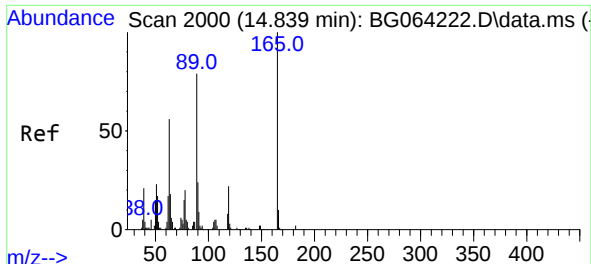
Tgt Ion:172 Resp: 452664
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 10.243 ng
RT: 14.473 min Scan# 1938
Delta R.T. 0.415 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:165 Resp: 13166
Ion Ratio Lower Upper
165 100
63 2.1 60.3 90.5#
89 0.0 52.9 79.3#

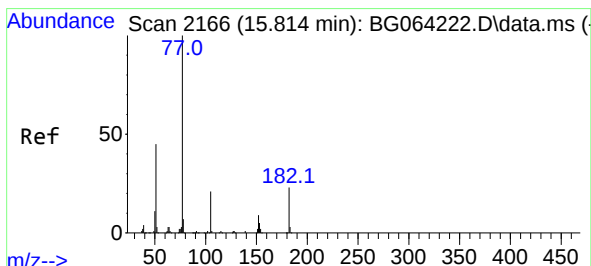
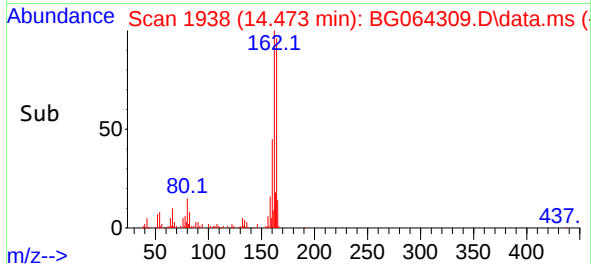
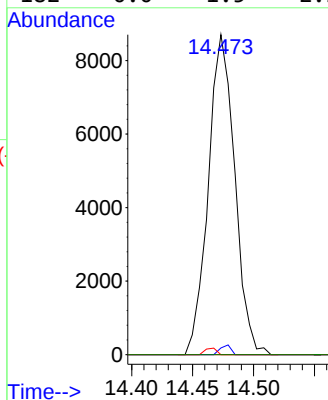
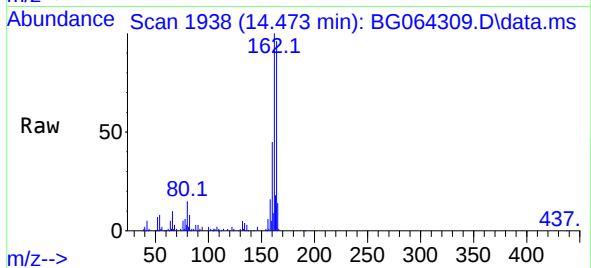




#57
2,4-Dinitrotoluene
Concen: 6.775 ng
RT: 14.473 min Scan# 1938
Delta R.T. -0.372 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

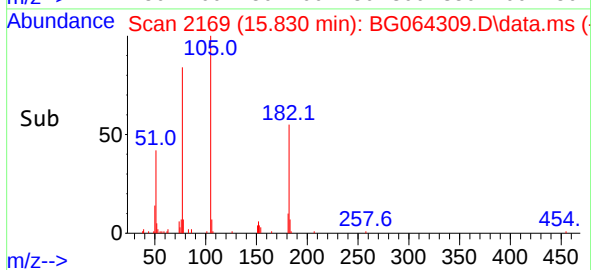
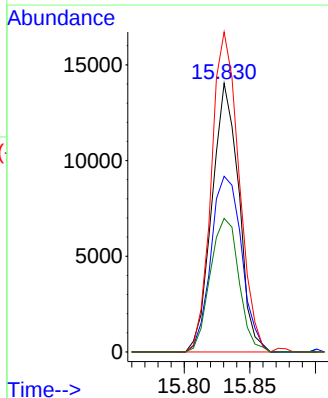
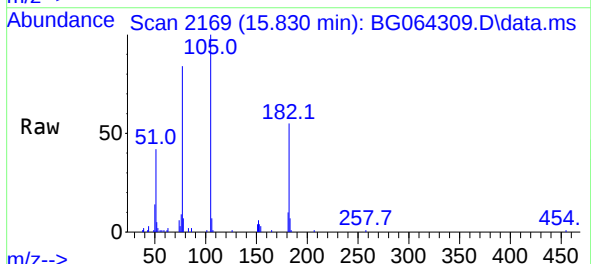
Instrument :
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SOIL-PILE-1

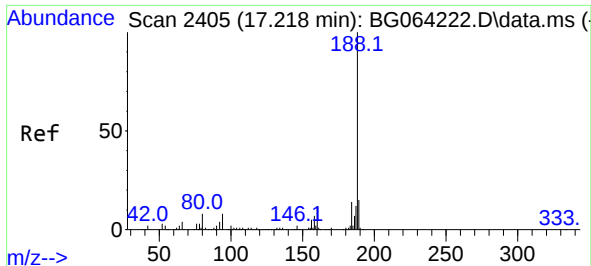
Tgt Ion:	165	Resp:	13166
Ion Ratio	Lower	Upper	
165	100		
63	2.1	44.6	67.0#
89	0.0	63.0	94.4#
182	0.0	1.5	2.3#



#63
Azobenzene
Concen: 3.143 ng
RT: 15.830 min Scan# 2169
Delta R.T. 0.010 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:	77	Resp:	19902
Ion Ratio	Lower	Upper	
77	100		
182	65.4	3.3	43.3#
105	119.1	0.6	40.6#
51	49.7	25.3	65.3

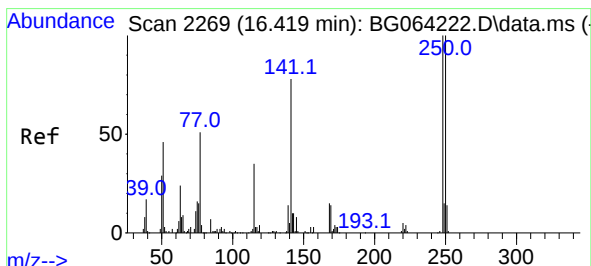
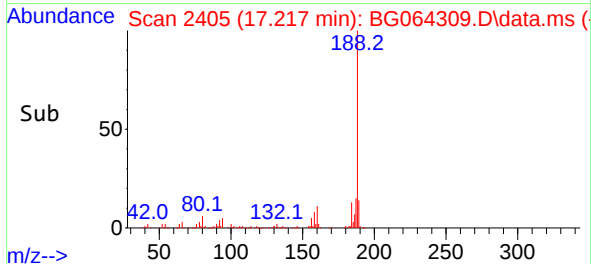
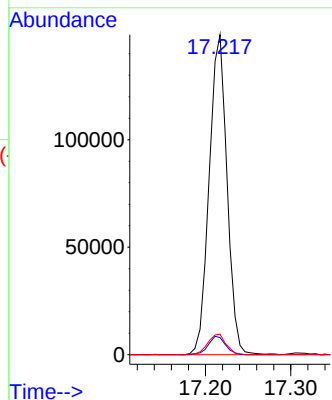
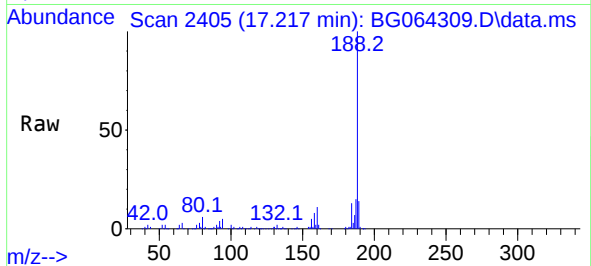




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.217 min Scan# 24
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

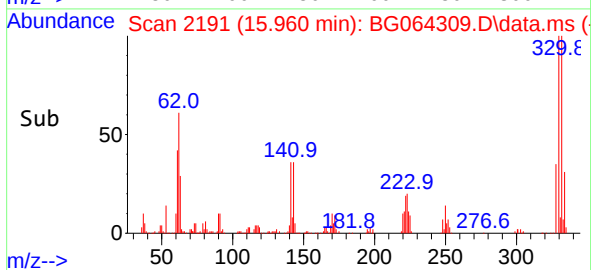
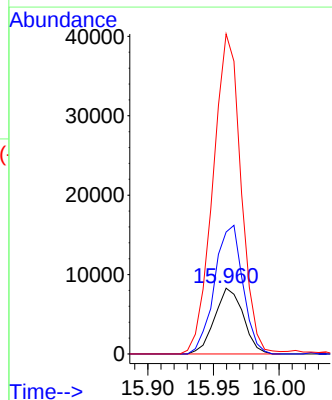
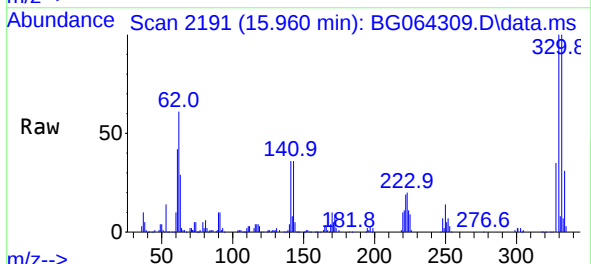
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

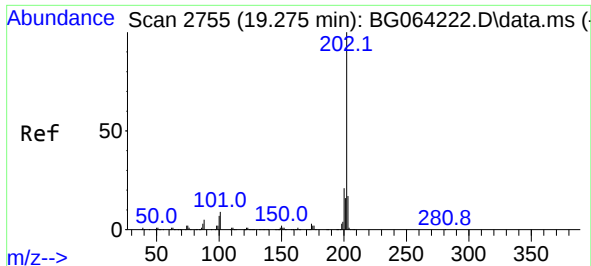
Tgt Ion:188 Resp: 216909
Ion Ratio Lower Upper
188 100
94 5.3 6.2 9.4#
80 6.4 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 5.440 ng
RT: 15.960 min Scan# 2191
Delta R.T. -0.460 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:248 Resp: 12533
Ion Ratio Lower Upper
248 100
250 185.5 80.2 120.4#
141 487.1 62.4 93.6#

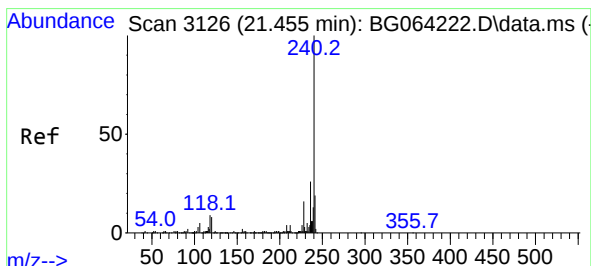
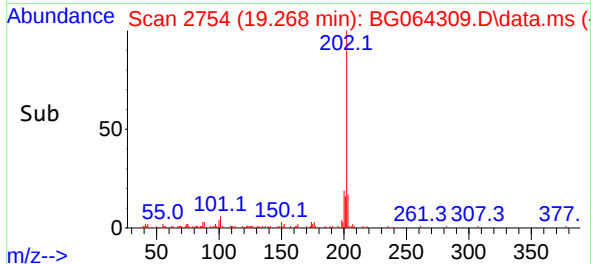
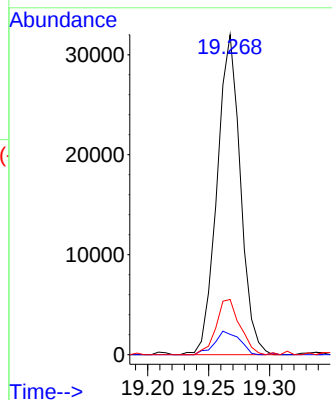
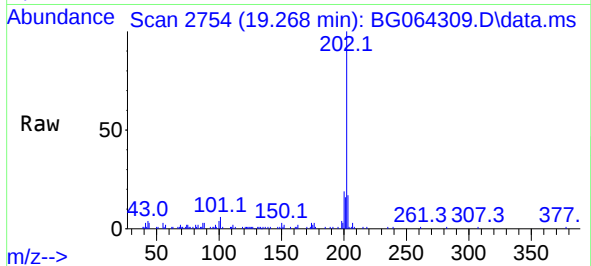




#75
Fluoranthene
Concen: 3.177 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

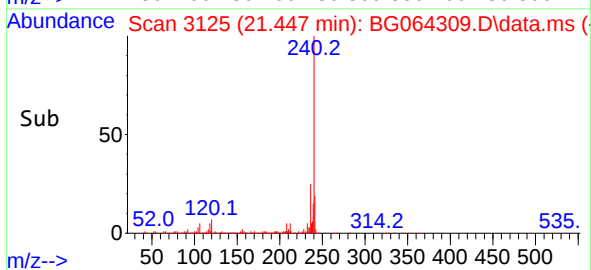
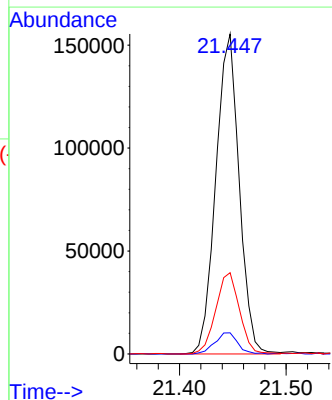
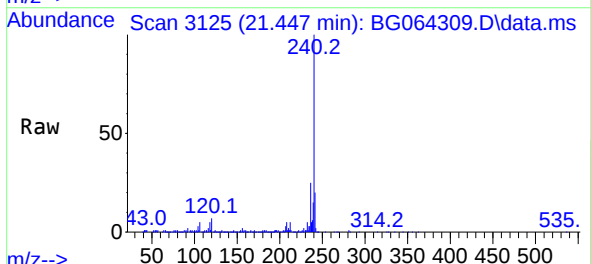
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

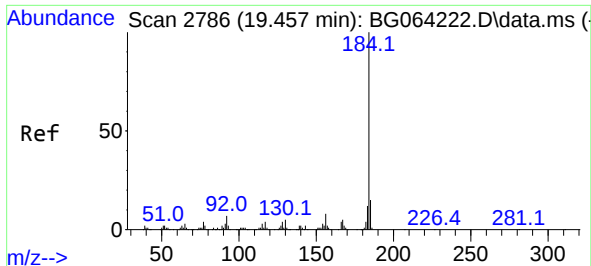
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	28.7
203	17.3	0.0	36.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.447 min Scan# 3125
Delta R.T. -0.008 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.2	9.4
236	25.4	20.5	30.7

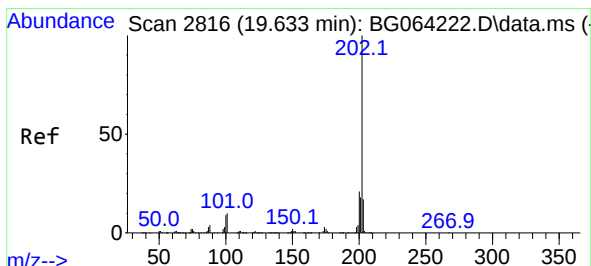
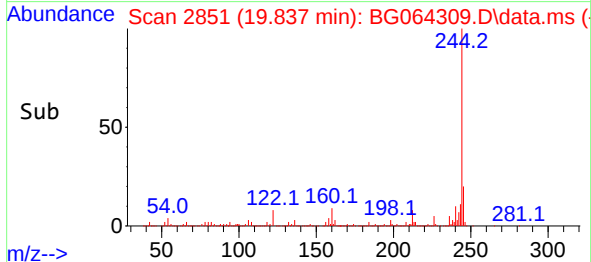
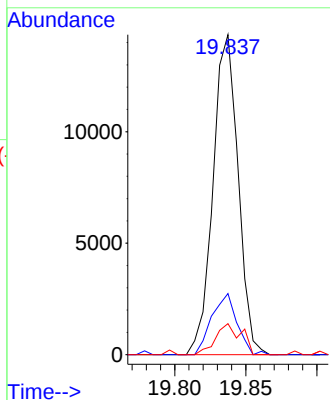
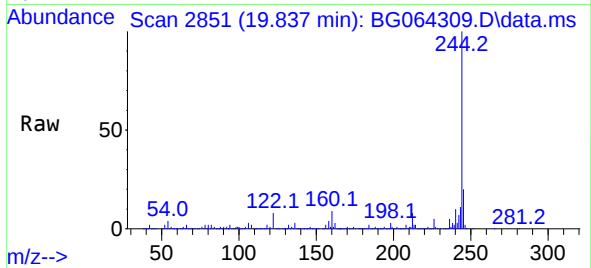




#77
Benzidine
Concen: 3.545 ng
RT: 19.837 min Scan# 2815
Delta R.T. 0.380 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

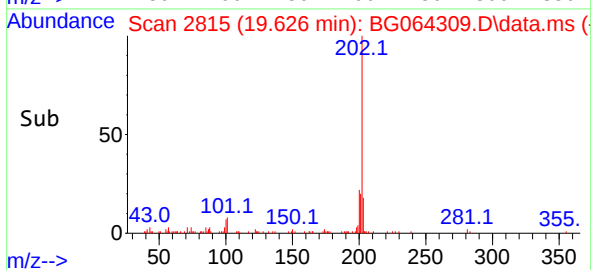
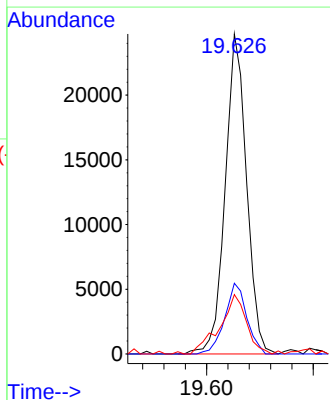
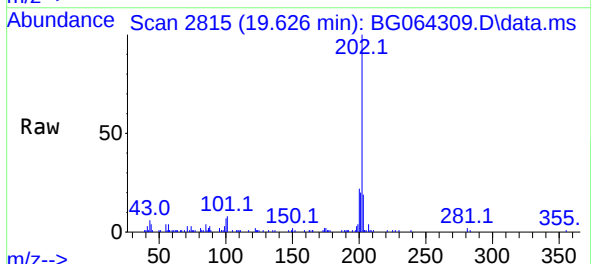
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1

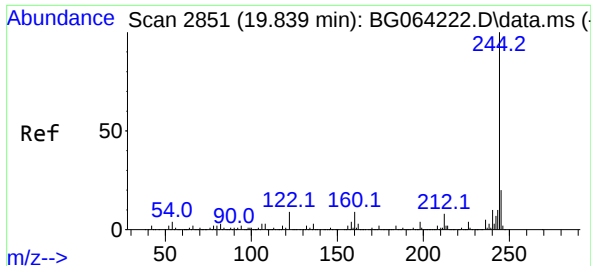
Tgt Ion:184 Resp: 17611
Ion Ratio Lower Upper
184 100
185 19.1 11.7 17.5#
183 9.7 9.7 14.5



#78
Pyrene
Concen: 2.315 ng
RT: 19.626 min Scan# 2815
Delta R.T. -0.013 min
Lab File: BG064309.D
Acq: 8 Sep 2025 16:19

Tgt Ion:202 Resp: 34445
Ion Ratio Lower Upper
202 100
200 22.1 16.9 25.3
203 18.6 13.8 20.8

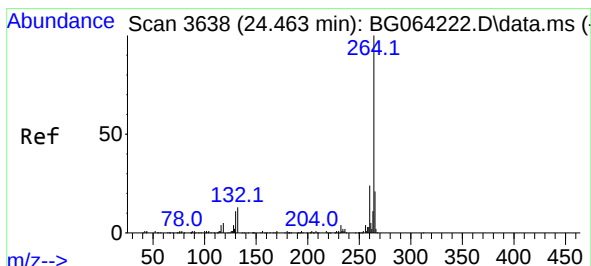
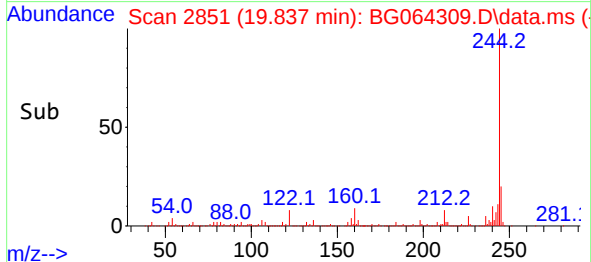
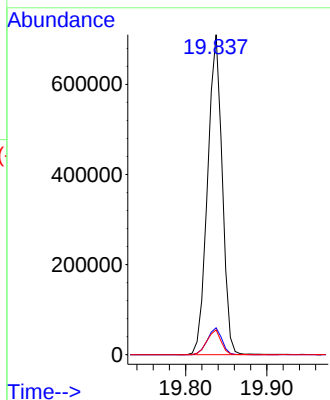
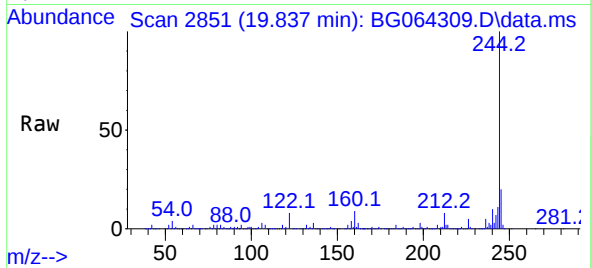




#79
 Terphenyl-d14
 Concen: 78.227 ng
 RT: 19.837 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG064309.D
 Acq: 8 Sep 2025 16:19

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1

Tgt Ion:244 Resp: 885501
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.6 10.0
 122 7.7 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.456 min Scan# 3637
 Delta R.T. -0.008 min
 Lab File: BG064309.D
 Acq: 8 Sep 2025 16:19

Tgt Ion:264 Resp: 267983
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.9 28.3
 265 21.9 16.7 25.1

