

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
 Data File : BG064071.D
 Acq On : 7 Mar 2025 23:05
 Operator : RC/JU
 Sample : Q1494-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP

Quant Time: Mar 07 23:48:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

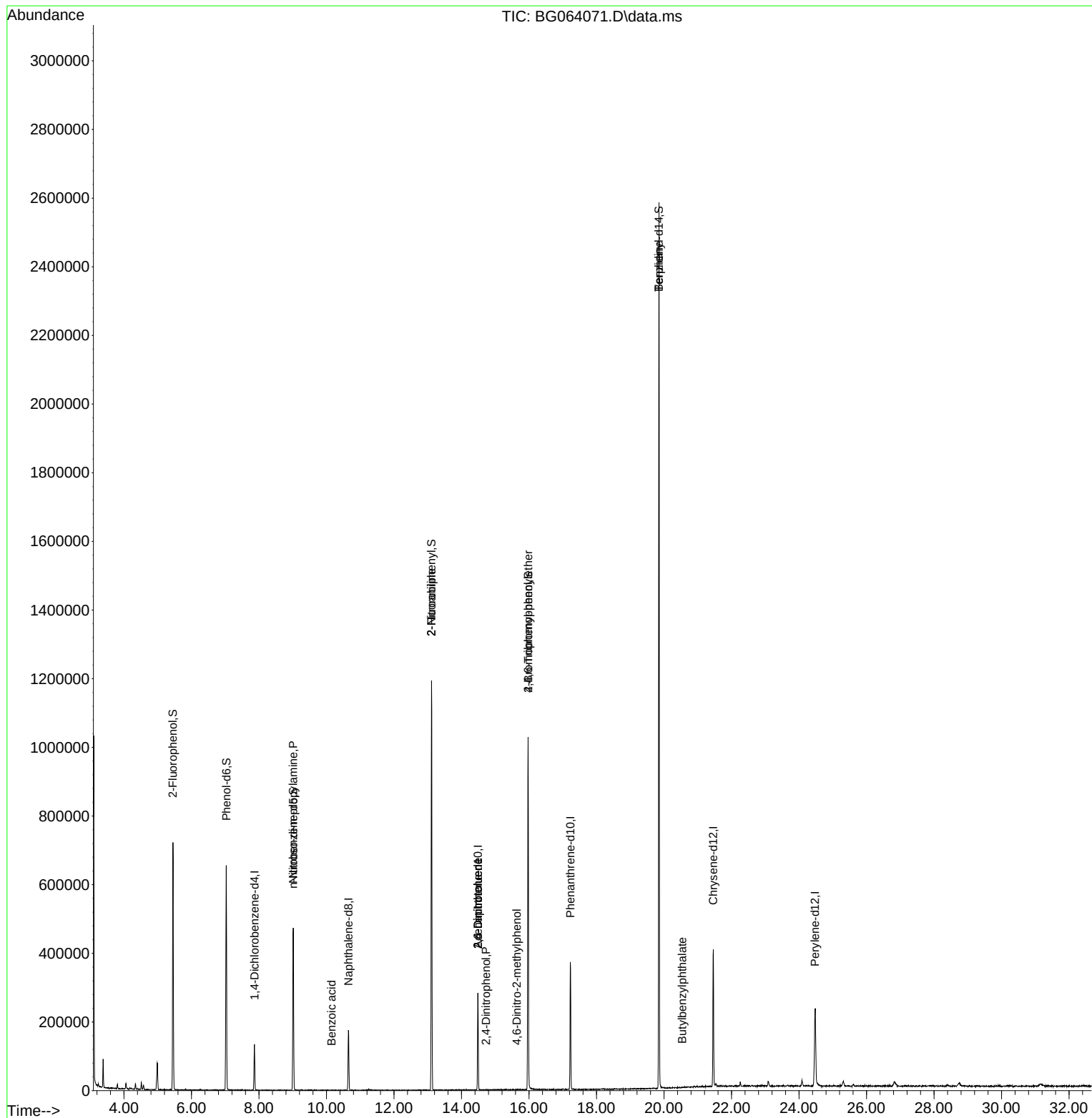
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	30451	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	134144	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	93894	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	218590	20.000	ng	0.00
76) Chrysene-d12	21.460	240	220195	20.000	ng	0.00
86) Perylene-d12	24.474	264	228301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	263934	135.338	ng	0.00
7) Phenol-d6	7.030	99	315310	118.850	ng	0.00
23) Nitrobenzene-d5	9.016	82	250848	103.339	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	166910	159.922	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	570343	92.201	ng	0.00
79) Terphenyl-d14	19.850	244	1139175	104.608	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.010	70	35328	18.974	ng	# 71
32) Benzoic acid	10.150	122	63	8.728	ng	# 1
48) 2-Nitroaniline	13.111	65	1101	3.900	ng	# 9
51) 2,6-Dinitrotoluene	14.486	165	12765	11.800	ng	# 17
54) 2,4-Dinitrophenol	14.727	184	78	8.002	ng	# 15
57) 2,4-Dinitrotoluene	14.486	165	12765	9.725	ng	# 18
65) 4,6-Dinitro-2-methylph...	15.638	198	58	8.230	ng	# 23
67) 4-Bromophenyl-phenylether	15.973	248	12077	5.394	ng	# 1
77) Benzidine	19.850	184	22769	7.468	ng	# 90
80) Butylbenzylphthalate	20.538	149	62	3.648	ng	# 20

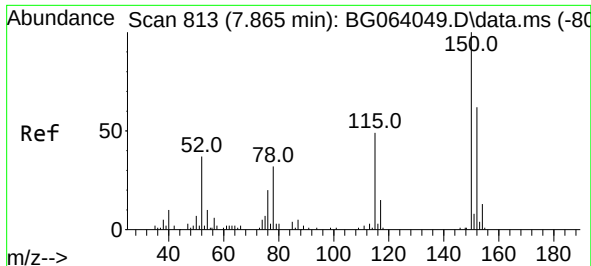
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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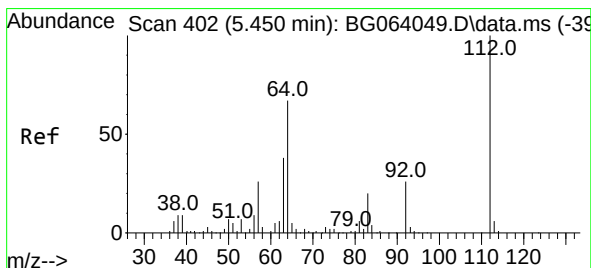
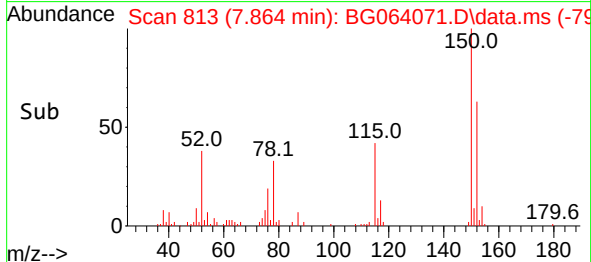
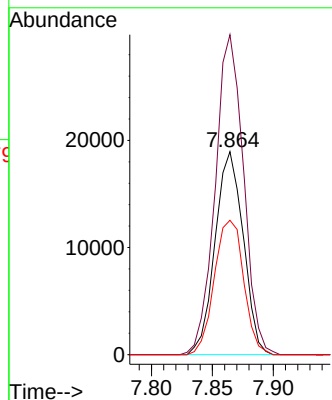
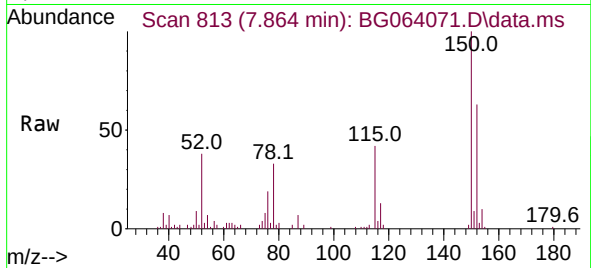




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 813
Delta R.T. -0.001 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

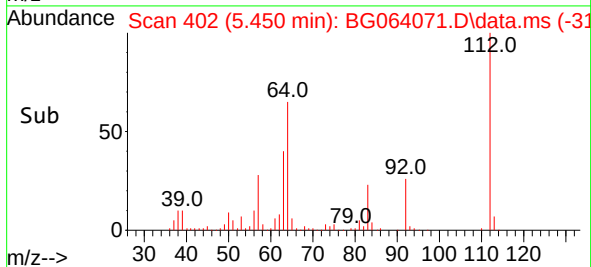
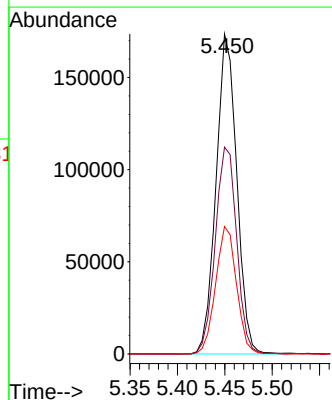
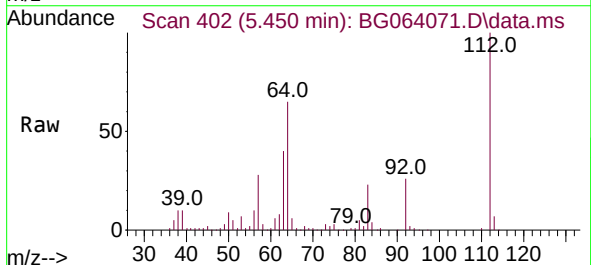
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

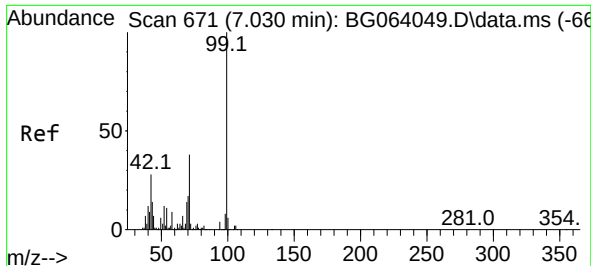
Tgt Ion:152 Resp: 30451
Ion Ratio Lower Upper
152 100
150 157.6 129.2 193.8
115 66.2 63.0 94.6



#5
2-Fluorophenol
Concen: 135.338 ng
RT: 5.450 min Scan# 402
Delta R.T. -0.000 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion:112 Resp: 263934
Ion Ratio Lower Upper
112 100
64 64.6 53.7 80.5
63 39.8 30.2 45.4

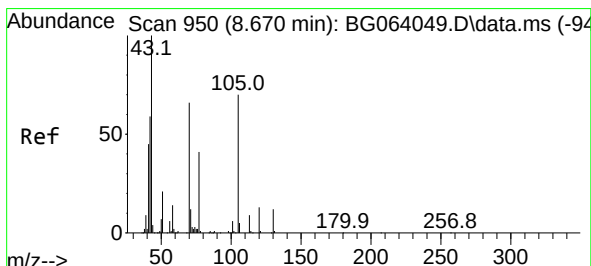
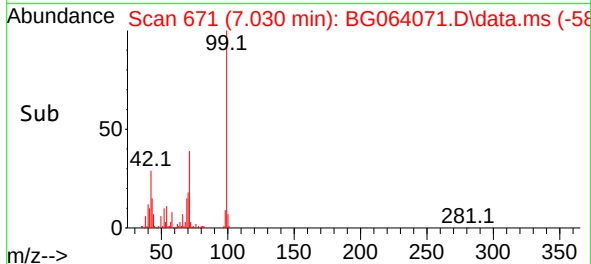
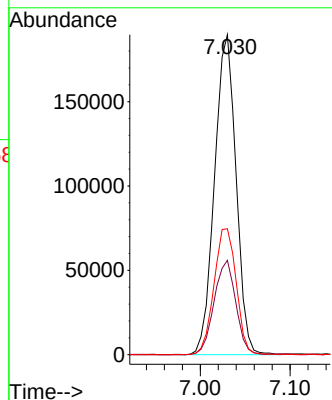
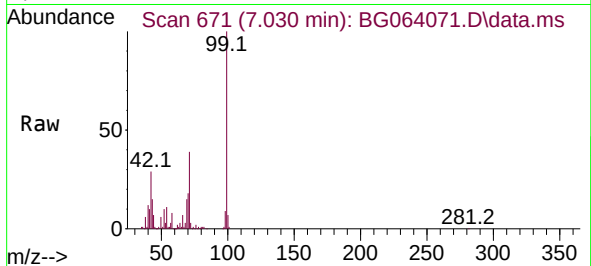




#7
Phenol-d6
Concen: 118.850 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

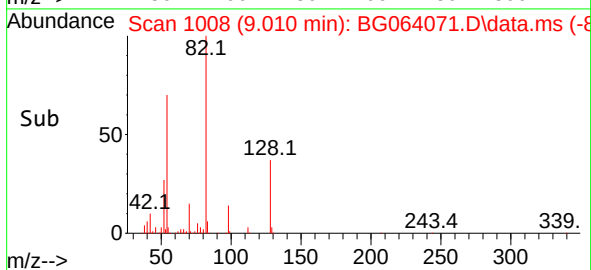
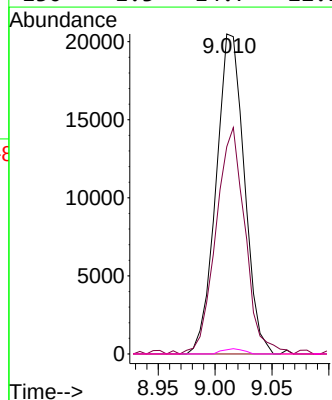
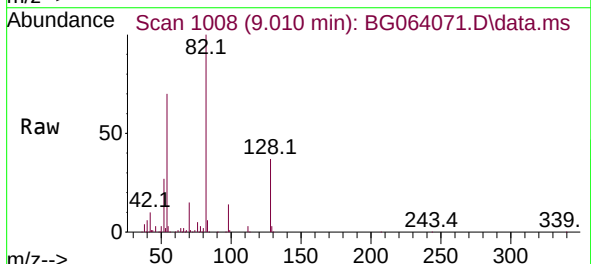
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

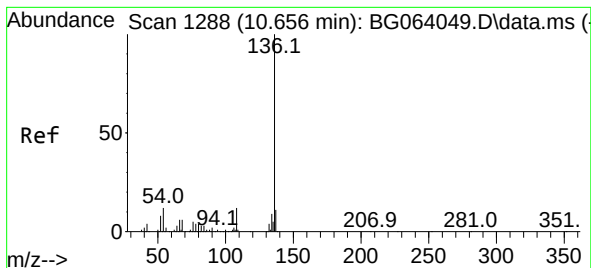
Tgt Ion: 99 Resp: 315310
Ion Ratio Lower Upper
99 100
42 29.5 22.7 34.1
71 39.3 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.974 ng
RT: 9.010 min Scan# 1008
Delta R.T. 0.341 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion: 70 Resp: 35328
Ion Ratio Lower Upper
70 100
42 64.8 72.1 108.1#
101 0.0 7.2 10.8#
130 1.3 14.7 22.1#

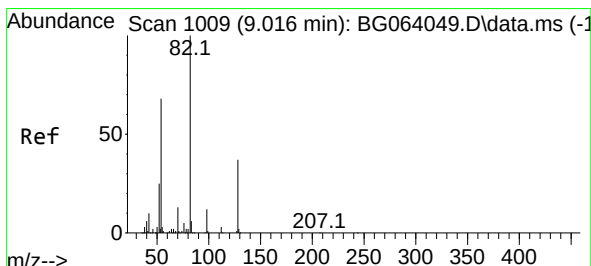
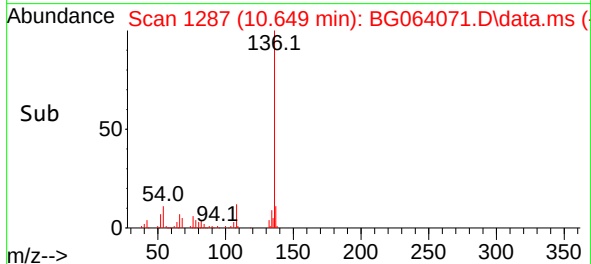
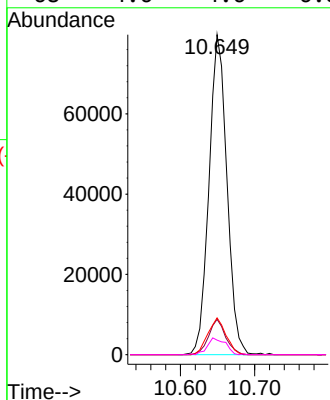
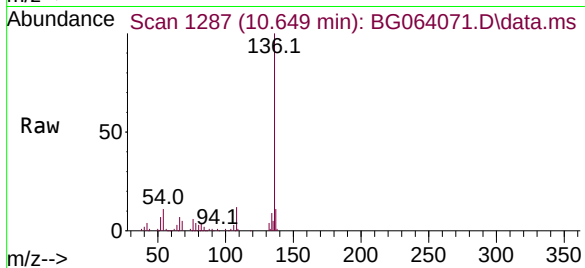




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

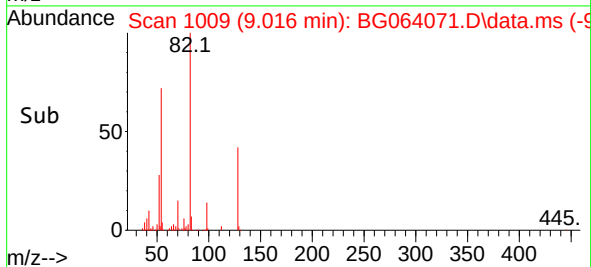
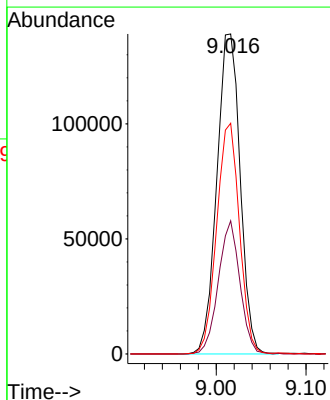
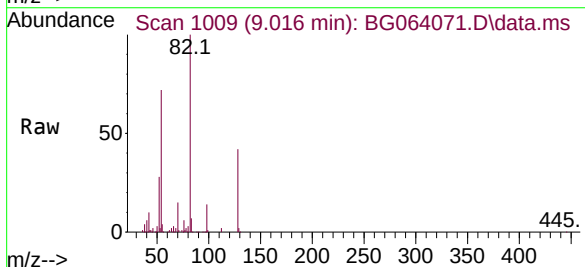
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

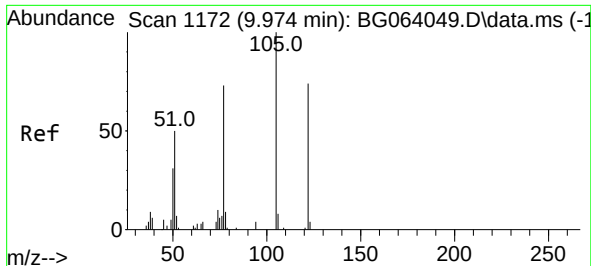
Tgt Ion:	136	Resp:	134144
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	11.5	9.9	14.9
68	4.6	4.6	6.8



#23
Nitrobenzene-d5
Concen: 103.339 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion:	82	Resp:	250848
Ion Ratio	Lower	Upper	
82	100		
128	41.6	30.0	45.0
54	72.1	54.7	82.1

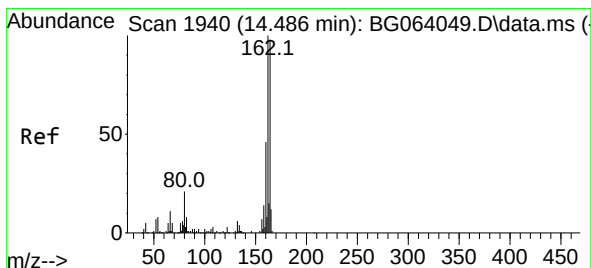
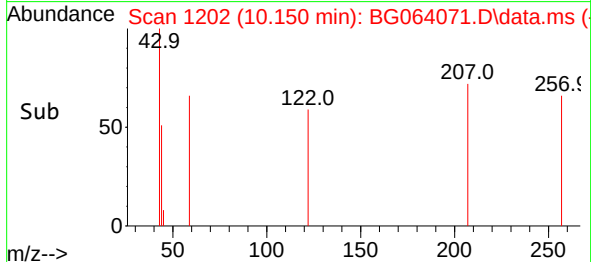
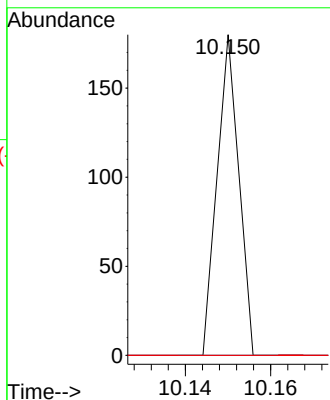
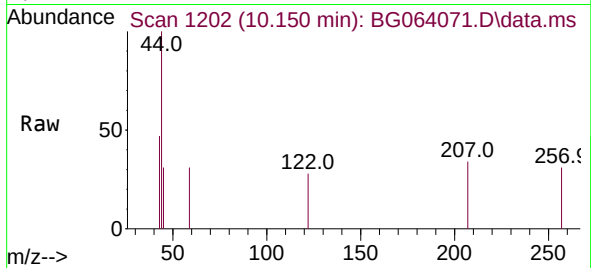




#32
Benzoic acid
Concen: 8.728 ng
RT: 10.150 min Scan# 1172
Delta R.T. 0.176 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

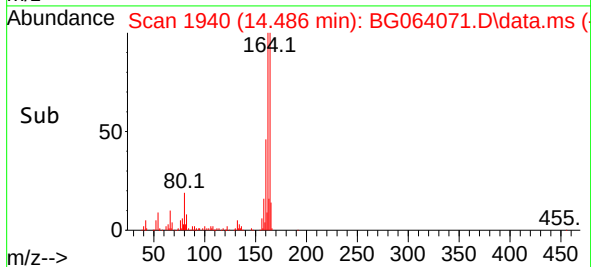
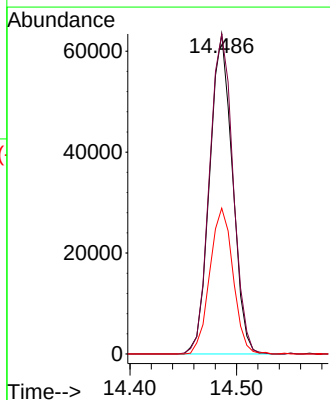
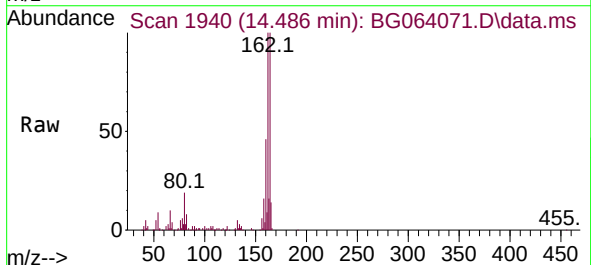
Instrument :
BNA_G
ClientSampleId :
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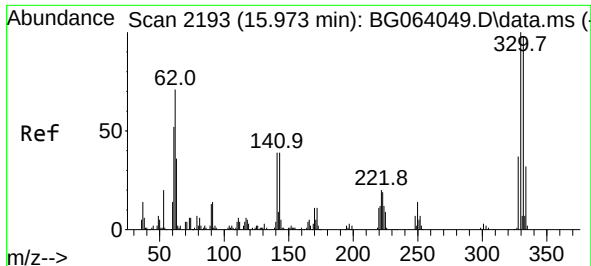
Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion:164 Resp: 93894
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.0
160 45.6 37.0 55.6

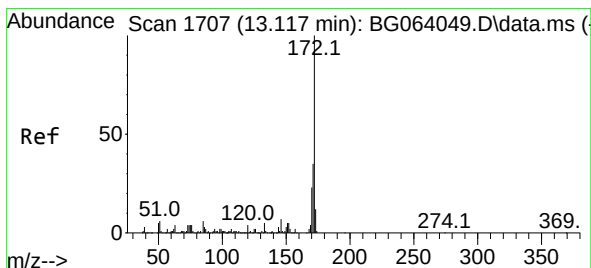
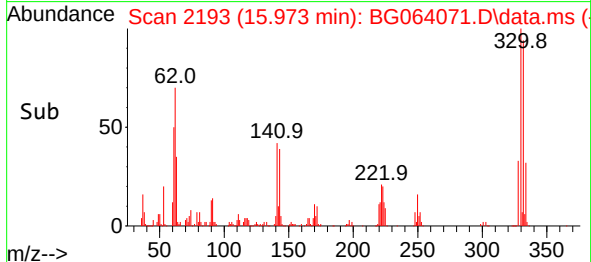
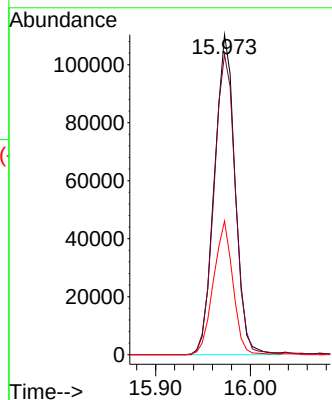
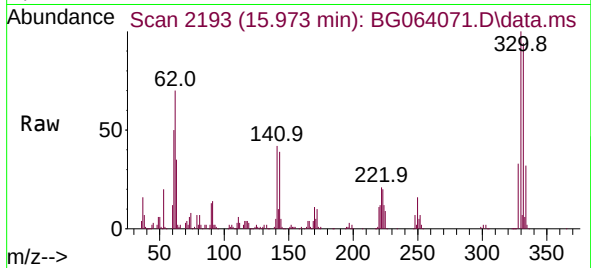




#42
2,4,6-Tribromophenol
Concen: 159.922 ng
RT: 15.973 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

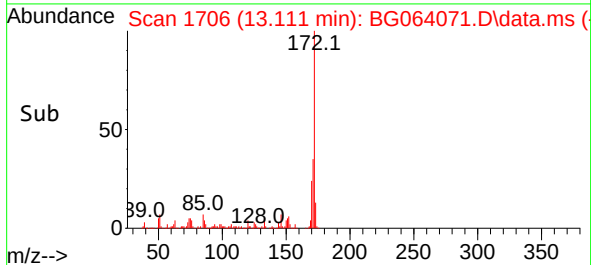
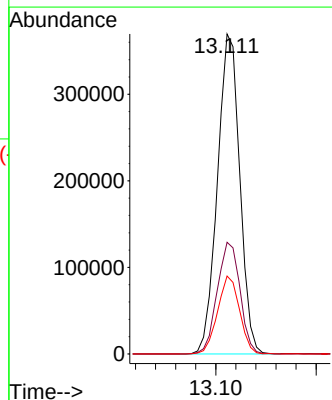
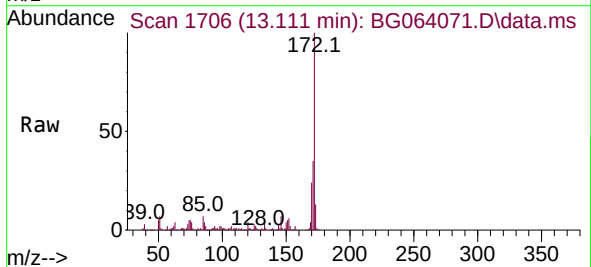
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ClientSampleId :
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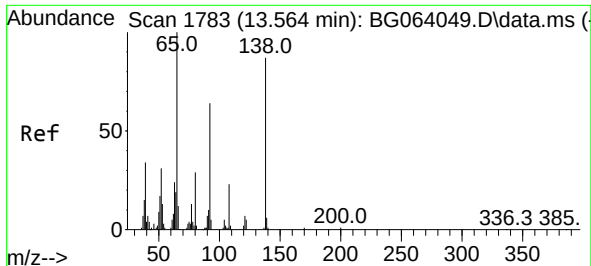
Tgt Ion:330 Resp: 166910
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 39.6 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 92.201 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion:172 Resp: 570343
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 24.4 18.7 28.1

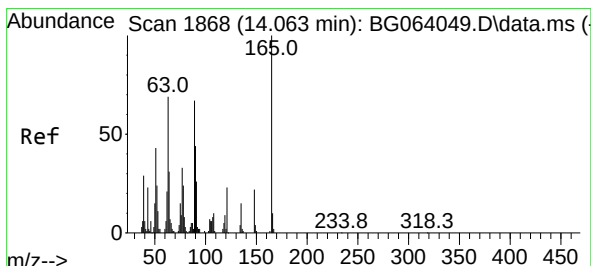
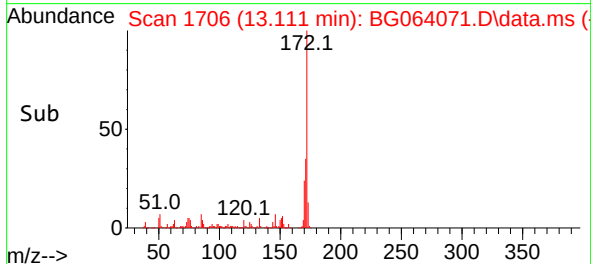
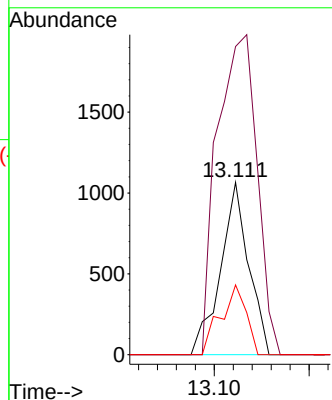
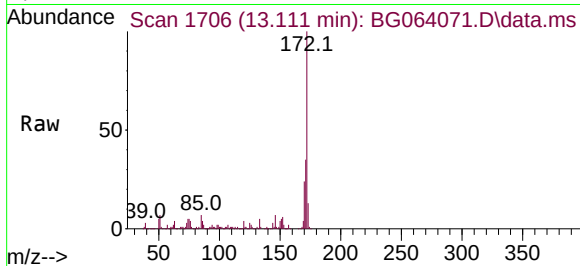




#48
2-Nitroaniline
Concen: 3.900 ng
RT: 13.111 min Scan# 1
Delta R.T. -0.453 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

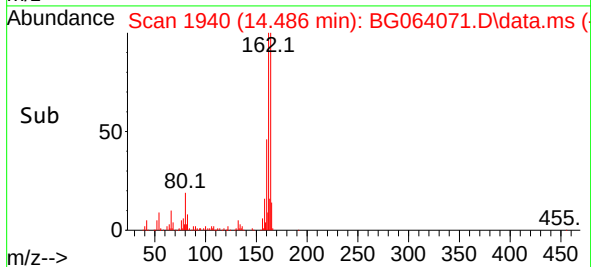
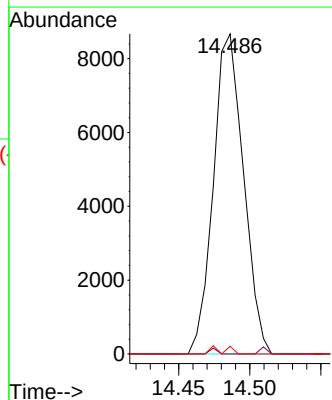
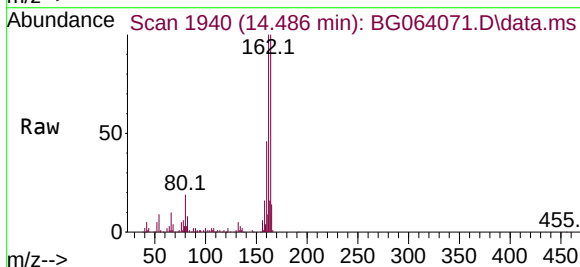
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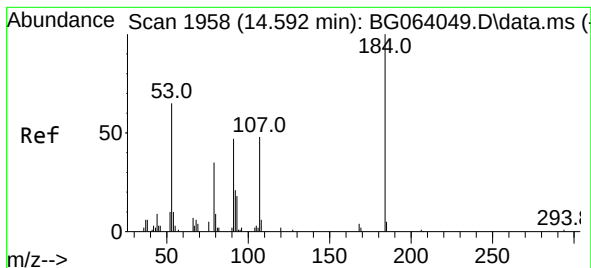
Tgt Ion: 65 Resp: 1101
Ion Ratio Lower Upper
65 100
92 178.8 51.2 76.8#
138 40.5 69.4 104.2#



#51
2,6-Dinitrotoluene
Concen: 11.800 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.423 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion:165 Resp: 12765
Ion Ratio Lower Upper
165 100
63 0.0 56.7 85.1#
89 2.4 53.7 80.5#

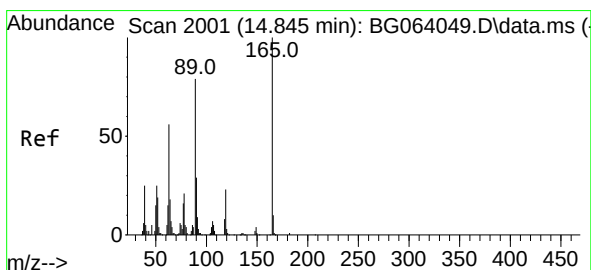
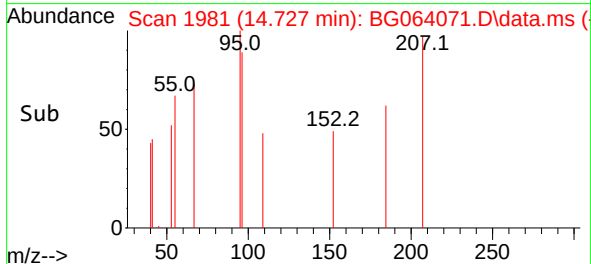
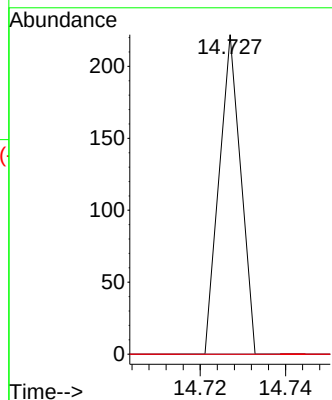
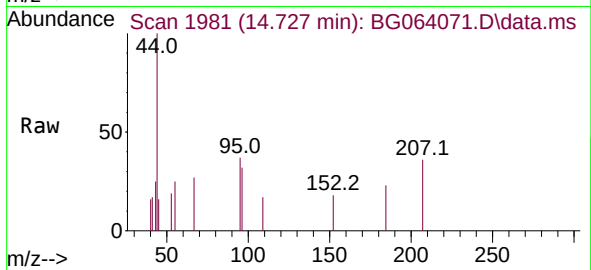




#54
2,4-Dinitrophenol
Concen: 8.002 ng
RT: 14.727 min Scan# 1940
Delta R.T. 0.135 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

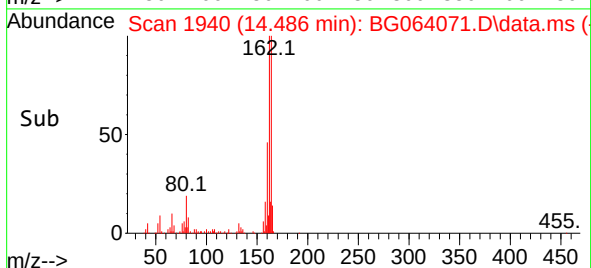
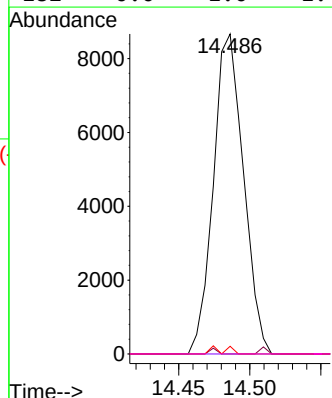
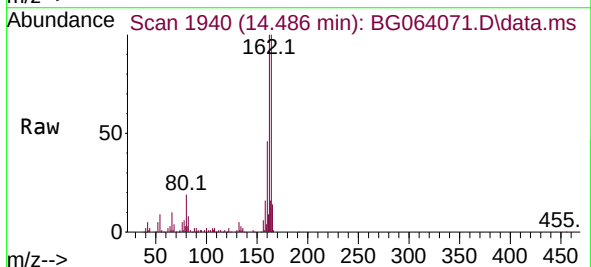
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

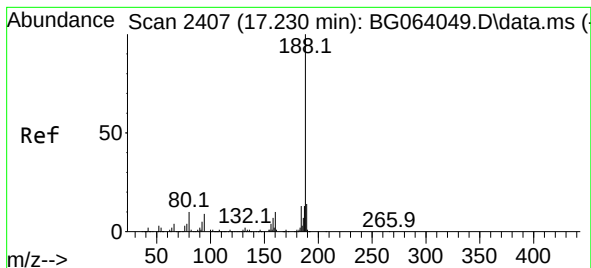
Tgt Ion:184 Resp: 78
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#



#57
2,4-Dinitrotoluene
Concen: 9.725 ng
RT: 14.486 min Scan# 1940
Delta R.T. -0.359 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion:165 Resp: 12765
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.6#
89 2.4 63.1 94.7#
182 0.0 1.0 1.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.224 min Scan# 2406

Delta R.T. -0.006 min

Lab File: BG064071.D

Acq: 7 Mar 2025 23:05

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

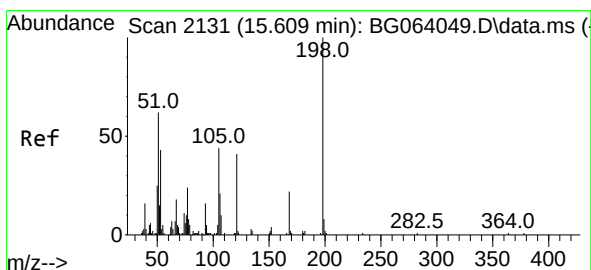
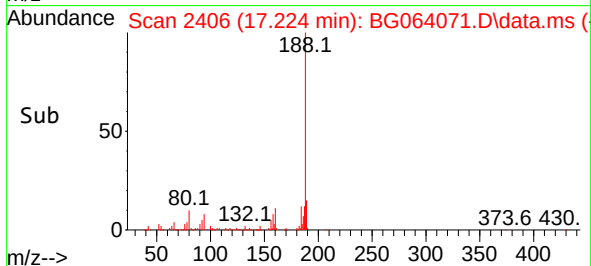
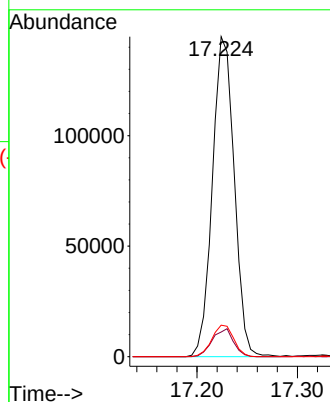
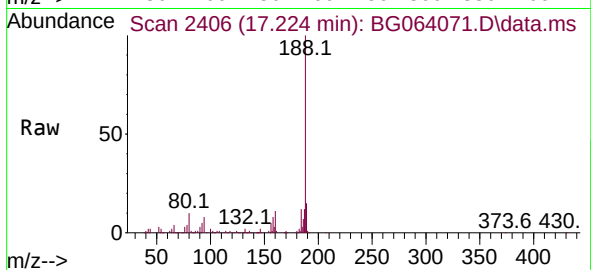
Tgt Ion:188 Resp: 218590

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

80 9.8 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.230 ng

RT: 15.638 min Scan# 2136

Delta R.T. 0.029 min

Lab File: BG064071.D

Acq: 7 Mar 2025 23:05

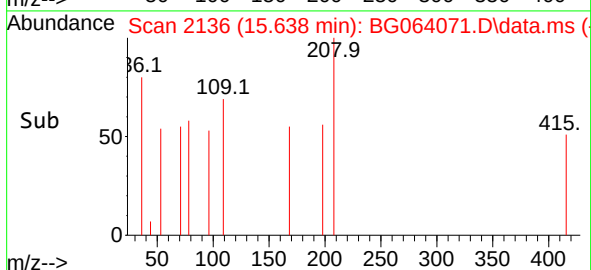
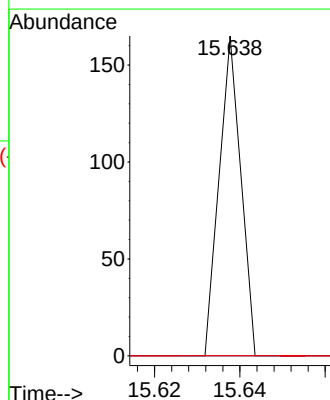
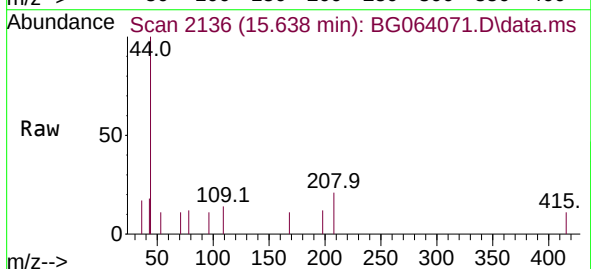
Tgt Ion:198 Resp: 58

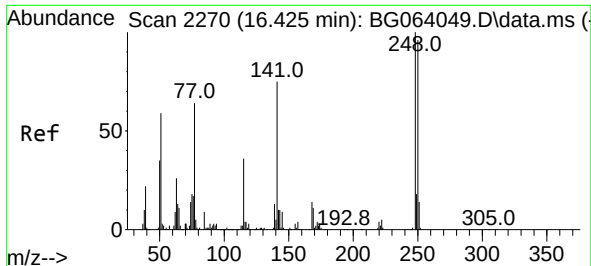
Ion Ratio Lower Upper

198 100

51 0.0 45.6 85.6#

105 0.0 25.3 65.3#

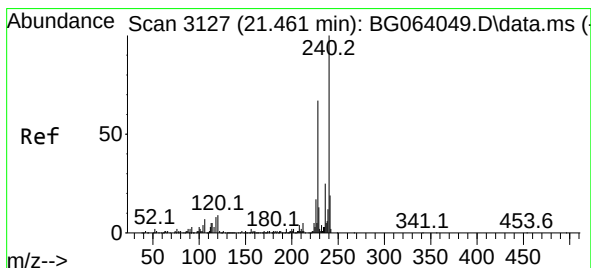
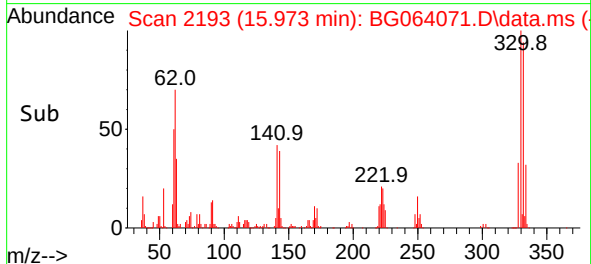
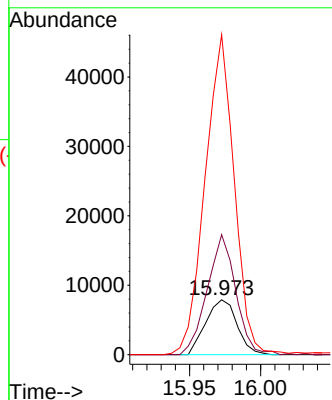
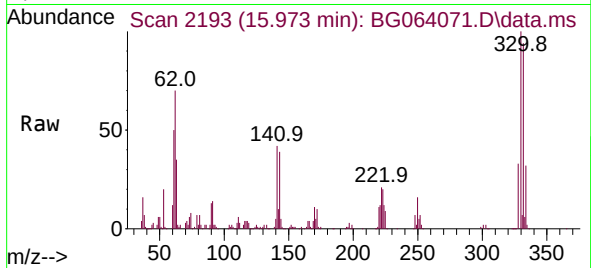




#67
4-Bromophenyl-phenylether
Concen: 5.394 ng
RT: 15.973 min Scan# 2193
Delta R.T. -0.453 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

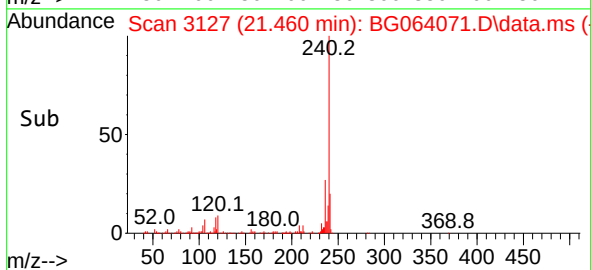
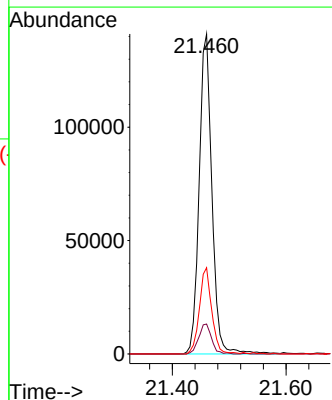
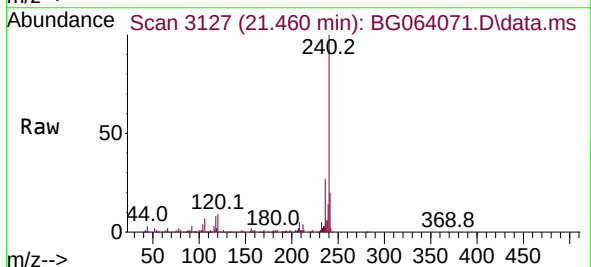
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

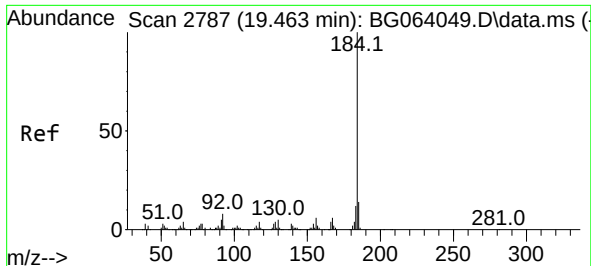
Tgt Ion:248 Resp: 12077
Ion Ratio Lower Upper
248 100
250 218.4 77.1 115.7#
141 582.7 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.460 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion:240 Resp: 220195
Ion Ratio Lower Upper
240 100
120 9.4 7.2 10.8
236 26.9 20.2 30.2

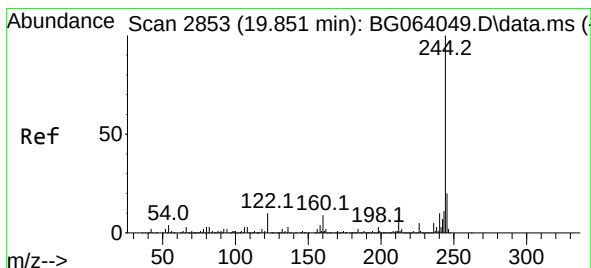
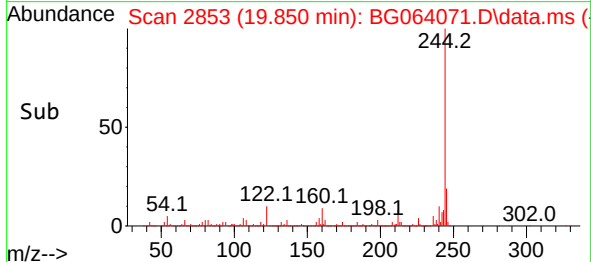
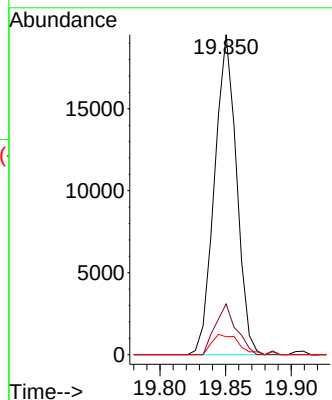
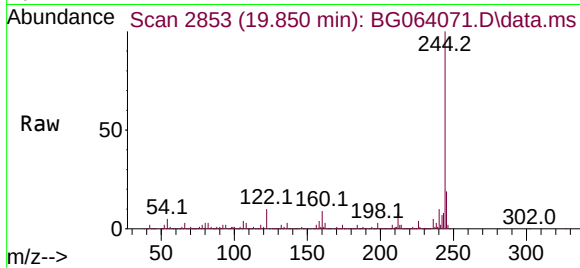




#77
Benzidine
Concen: 7.468 ng
RT: 19.850 min Scan# 2853
Delta R.T. 0.387 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

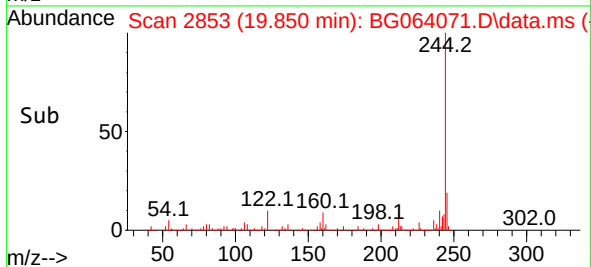
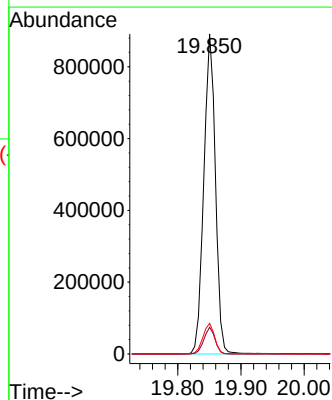
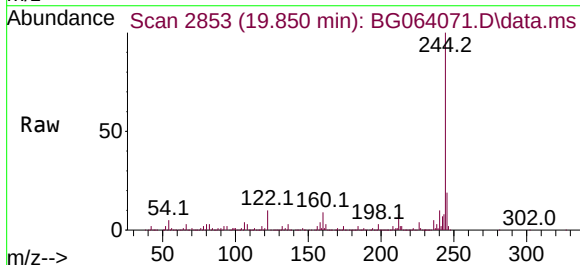
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

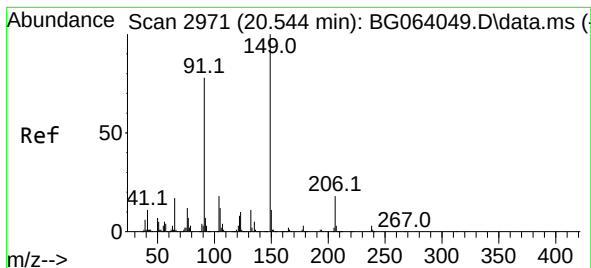
Tgt Ion:184 Resp: 22769
Ion Ratio Lower Upper
184 100
185 15.8 11.3 16.9
183 5.6 9.5 14.3#



#79
Terphenyl-d14
Concen: 104.608 ng
RT: 19.850 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BG064071.D
Acq: 7 Mar 2025 23:05

Tgt Ion:244 Resp: 1139175
Ion Ratio Lower Upper
244 100
212 8.3 6.2 9.4
122 9.6 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.648 ng

RT: 20.538 min Scan# 2971

Delta R.T. -0.006 min

Lab File: BG064071.D

Acq: 7 Mar 2025 23:05

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

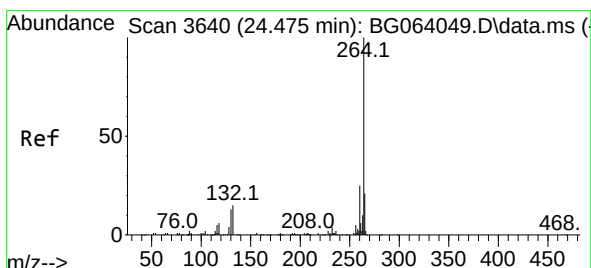
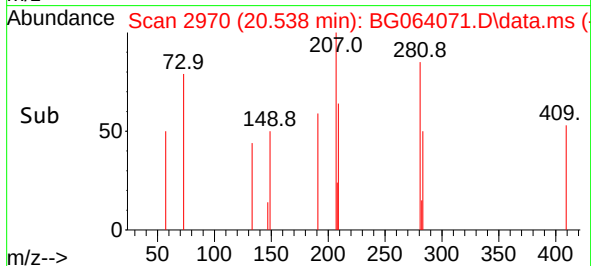
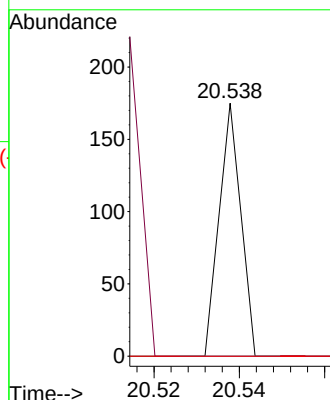
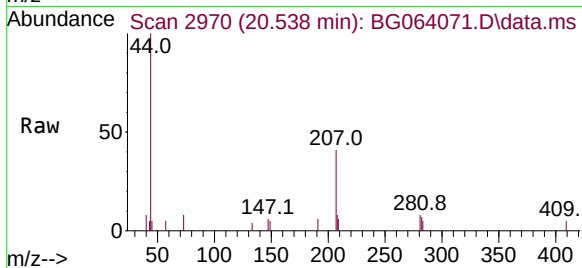
Tgt Ion:149 Resp: 62

Ion Ratio Lower Upper

149 100

91 0.0 62.0 93.0#

206 0.0 14.6 21.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3640

Delta R.T. -0.000 min

Lab File: BG064071.D

Acq: 7 Mar 2025 23:05

Tgt Ion:264 Resp: 228301

Ion Ratio Lower Upper

264 100

260 23.2 19.6 29.4

265 23.3 16.6 25.0

