

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
 Data File : BG064070.D
 Acq On : 7 Mar 2025 22:24
 Operator : RC/JU
 Sample : Q1494-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL

Quant Time: Mar 07 23:48:18 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)

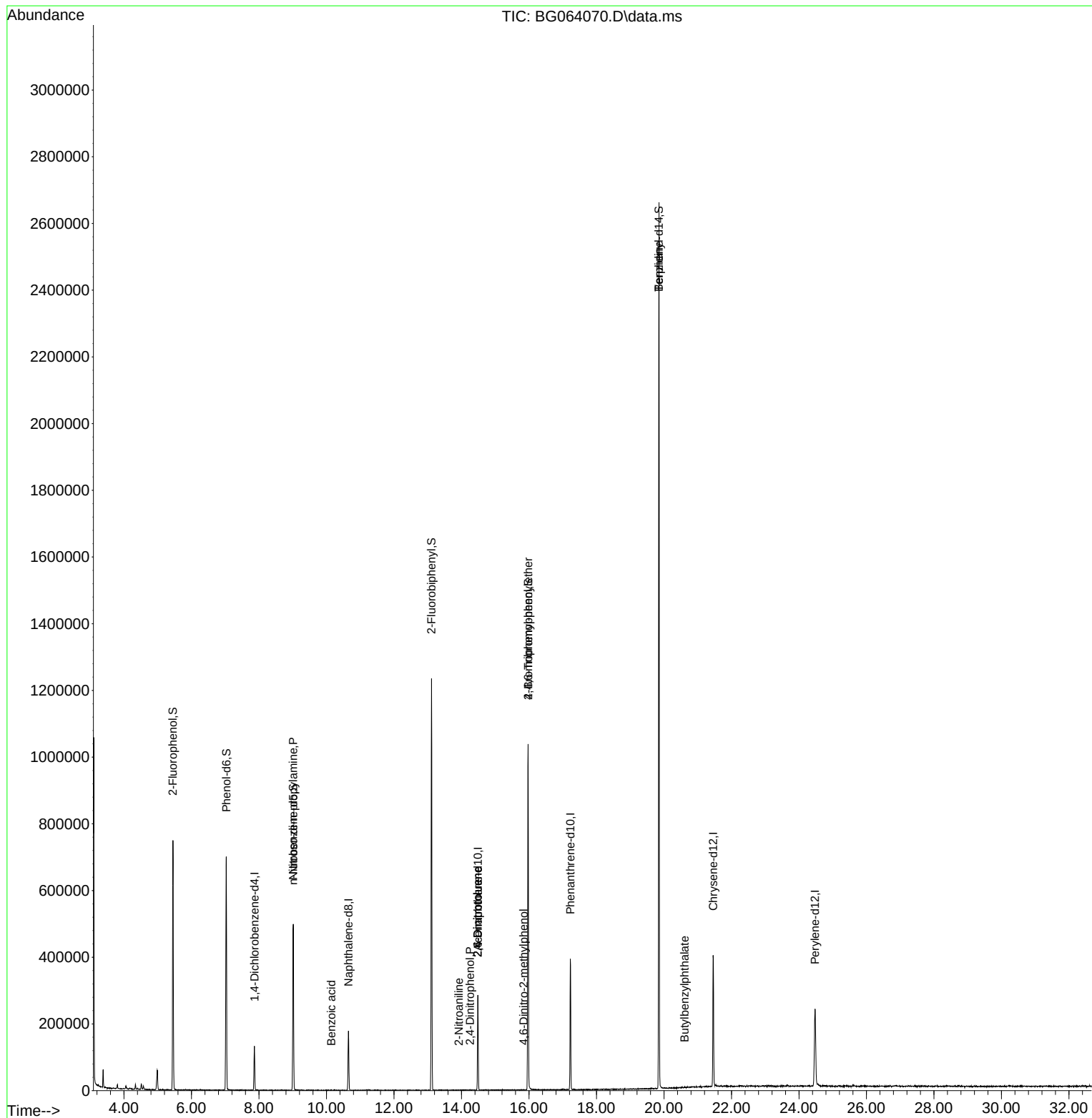
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	31372	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	132783	20.000	ng	# 0.00
39) Acenaphthene-d10	14.487	164	94229	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	218867	20.000	ng	0.00
76) Chrysene-d12	21.455	240	229378	20.000	ng	0.00
86) Perylene-d12	24.475	264	241929	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	275959	137.350	ng	0.00
7) Phenol-d6	7.031	99	336033	122.943	ng	0.00
23) Nitrobenzene-d5	9.017	82	259507	108.002	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	168467	160.840	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	579666	93.375	ng	0.00
79) Terphenyl-d14	19.851	244	1181540	104.154	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.011	70	34985	18.238	ng	# 73
32) Benzoic acid	10.145	122	60	8.727	ng	# 1
48) 2-Nitroaniline	13.923	65	66	3.254	ng	# 11
51) 2,6-Dinitrotoluene	14.481	165	12699	11.727	ng	# 16
54) 2,4-Dinitrophenol	14.258	184	88	8.016	ng	# 15
57) 2,4-Dinitrotoluene	14.481	165	12699	9.672	ng	# 17
65) 4,6-Dinitro-2-methylph...	15.844	198	58	8.230	ng	# 23
67) 4-Bromophenyl-phenylether	15.974	248	11529	5.143	ng	# 1
77) Benzidine	19.851	184	21485	6.764	ng	# 92
80) Butylbenzylphthalate	20.609	149	54	3.646	ng	# 35

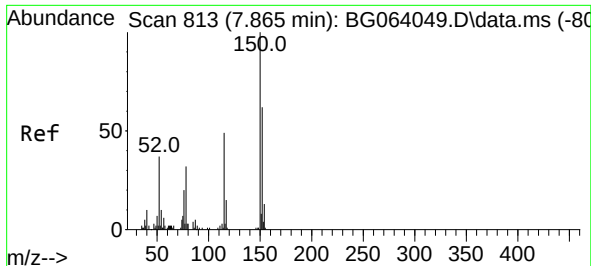
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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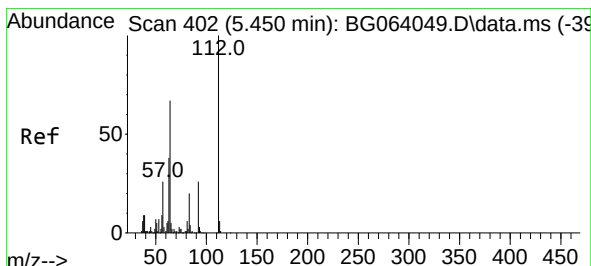
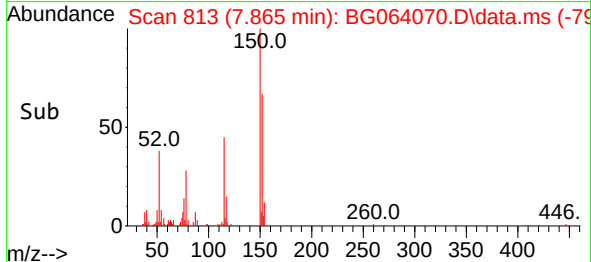
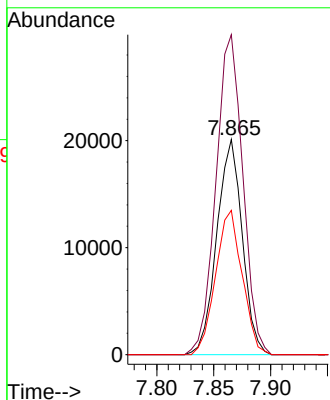
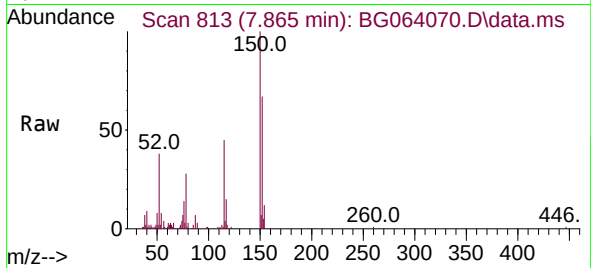




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 813
Delta R.T. 0.000 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

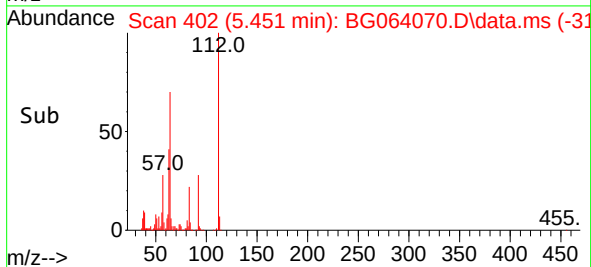
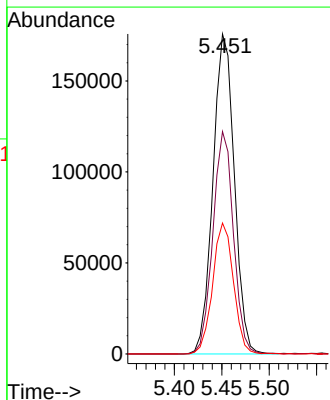
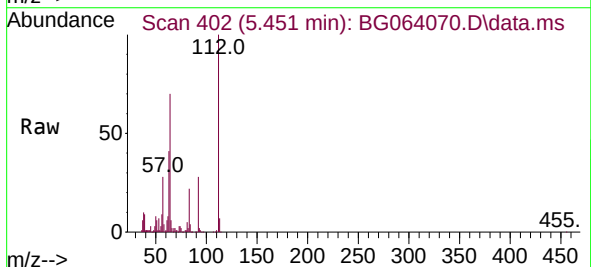
Instrument :
BNA_G
ClientSampleId :
SOIL

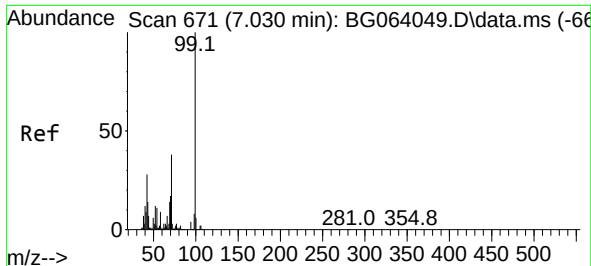
Tgt Ion:152 Resp: 31372
Ion Ratio Lower Upper
152 100
150 148.7 129.2 193.8
115 67.1 63.0 94.6



#5
2-Fluorophenol
Concen: 137.350 ng
RT: 5.451 min Scan# 402
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:112 Resp: 275959
Ion Ratio Lower Upper
112 100
64 69.5 53.7 80.5
63 40.9 30.2 45.4

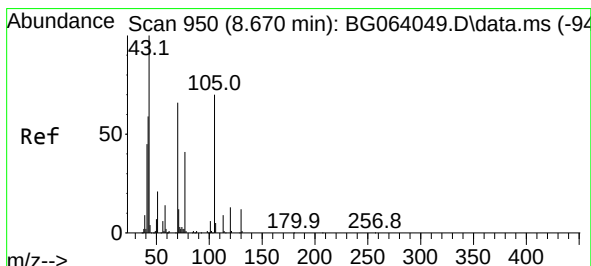
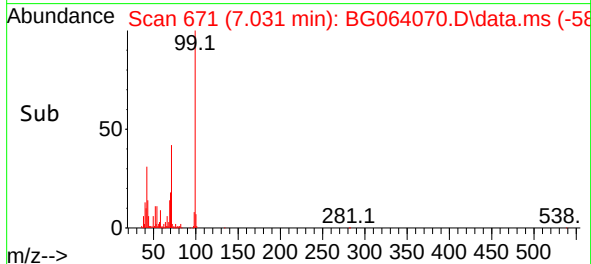
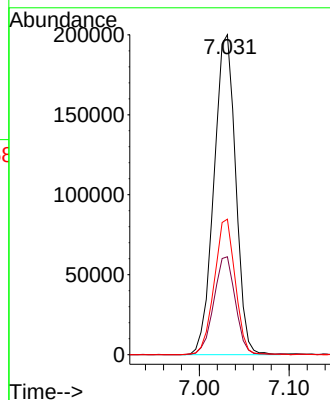
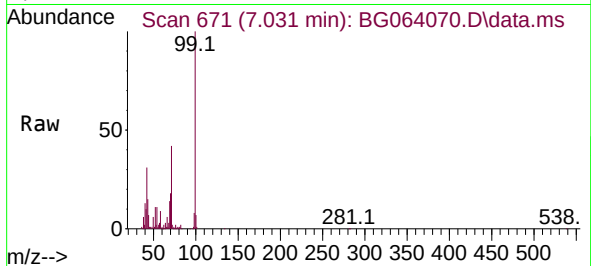




#7
Phenol-d6
Concen: 122.943 ng
RT: 7.031 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

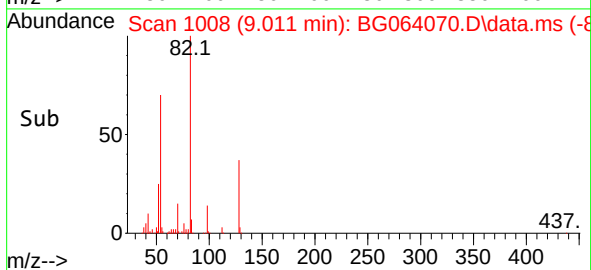
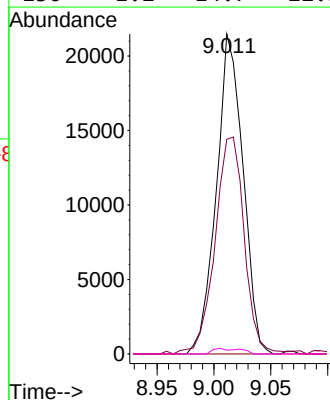
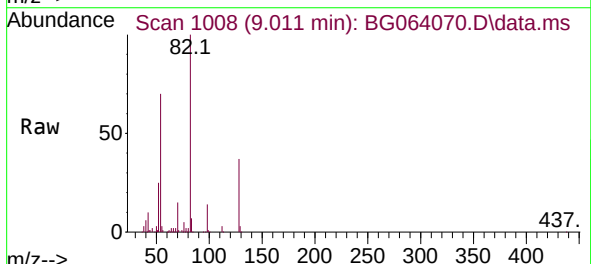
Instrument :
BNA_G
ClientSampleId :
SOIL

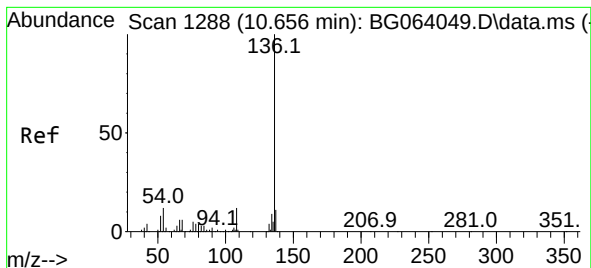
Tgt Ion: 99 Resp: 336033
Ion Ratio Lower Upper
99 100
42 30.6 22.7 34.1
71 42.4 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.238 ng
RT: 9.011 min Scan# 1008
Delta R.T. 0.342 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion: 70 Resp: 34985
Ion Ratio Lower Upper
70 100
42 67.0 72.1 108.1#
101 0.0 7.2 10.8#
130 1.2 14.7 22.1#

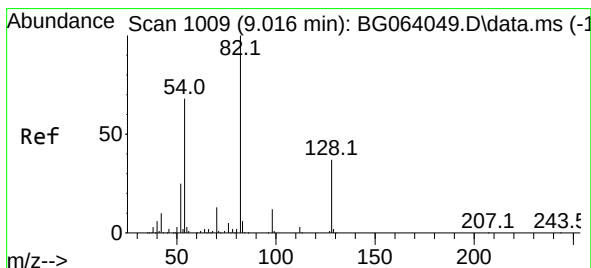
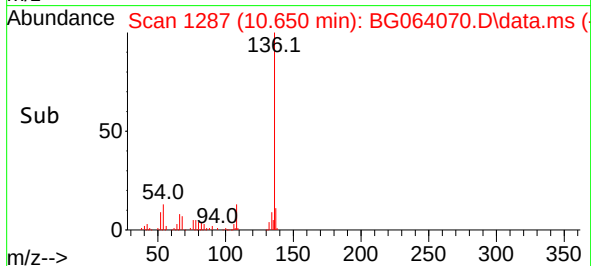
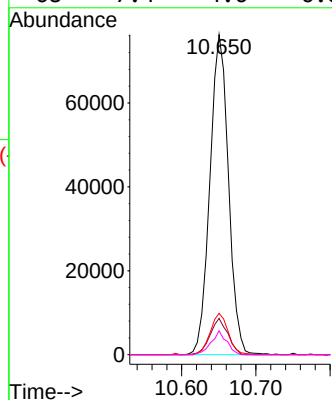
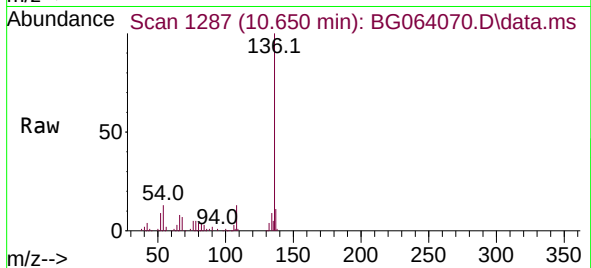




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

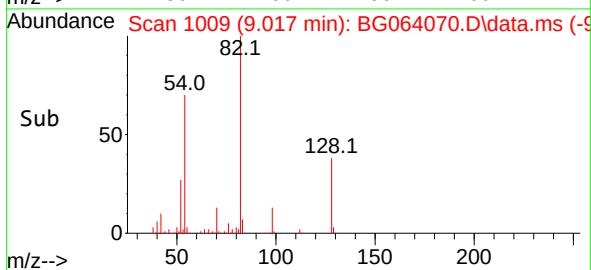
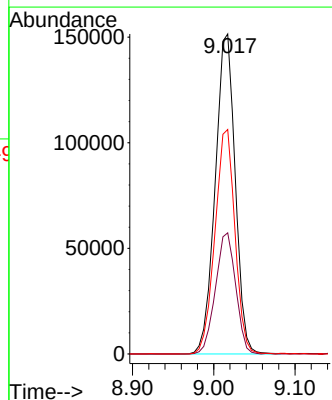
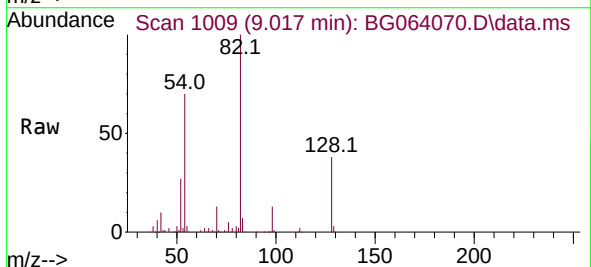
Instrument :
BNA_G
ClientSampleId :
SOIL

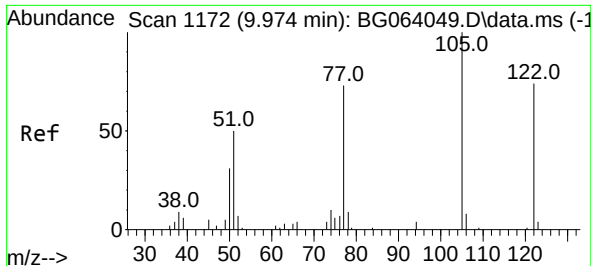
Tgt Ion:136	Resp: 132783
Ion Ratio	Lower Upper
136 100	
137 11.3	8.5 12.7
54 12.9	9.9 14.9
68 7.4	4.6 6.8#



#23
Nitrobenzene-d5
Concen: 108.002 ng
RT: 9.017 min Scan# 1009
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion: 82	Resp: 259507
Ion Ratio	Lower Upper
82 100	
128 37.8	30.0 45.0
54 70.1	54.7 82.1

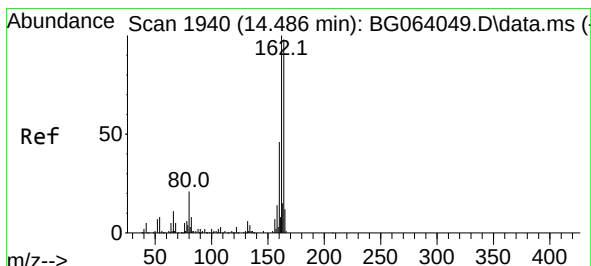
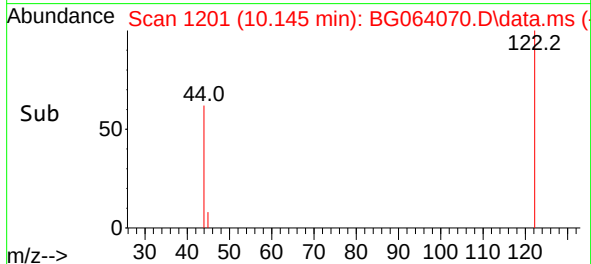
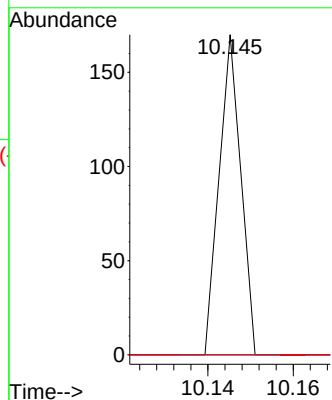
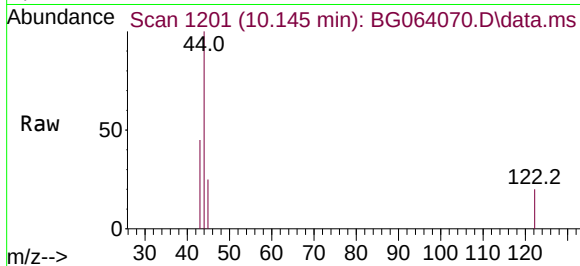




#32
Benzoic acid
Concen: 8.727 ng
RT: 10.145 min Scan# 1172
Delta R.T. 0.171 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

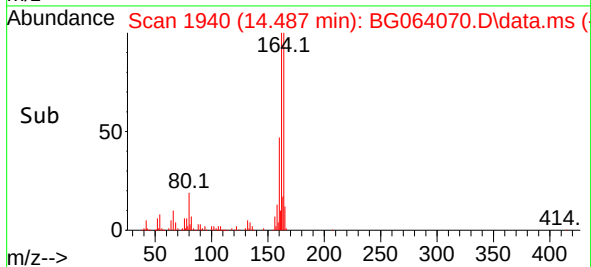
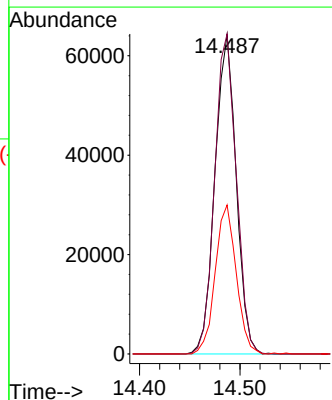
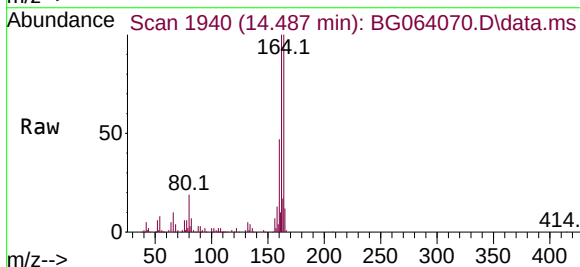
Instrument :
BNA_G
ClientSampleId :
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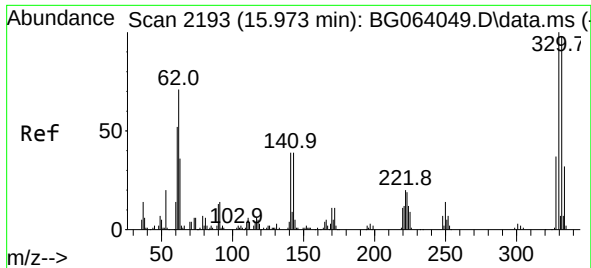
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:164 Resp: 94229
Ion Ratio Lower Upper
164 100
162 100.3 81.4 122.0
160 46.7 37.0 55.6

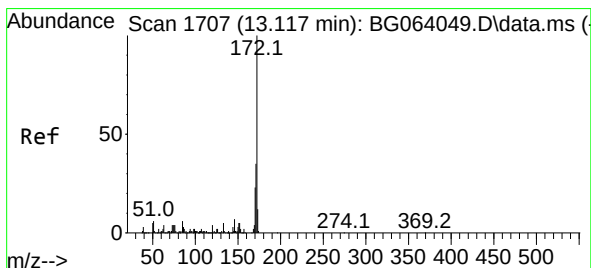
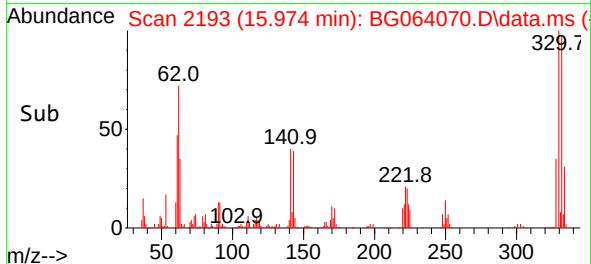
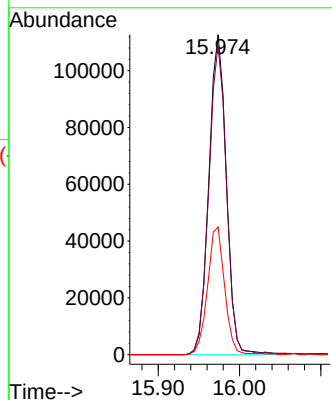
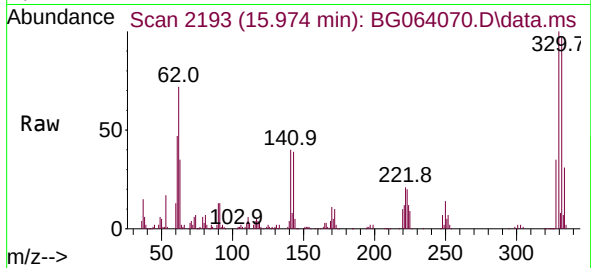




#42
2,4,6-Tribromophenol
Concen: 160.840 ng
RT: 15.974 min Scan# 2193
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

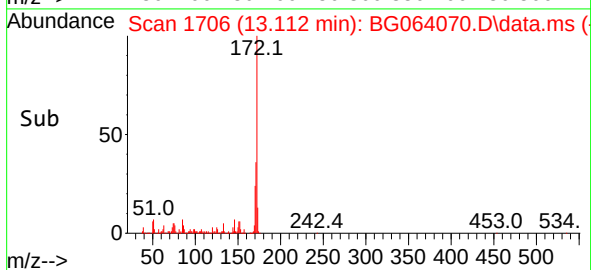
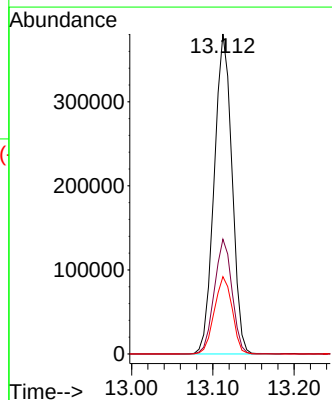
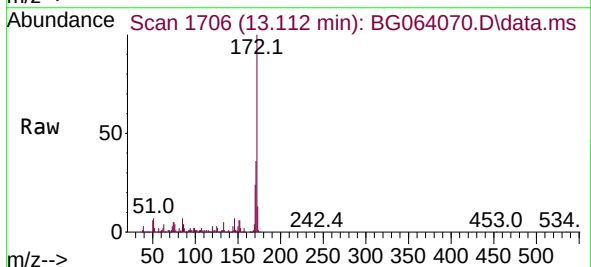
Instrument :
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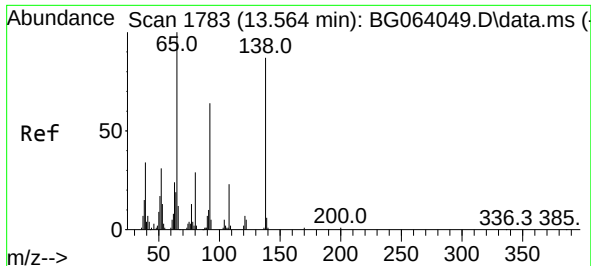
Tgt Ion:330 Resp: 168467
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 39.2 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 93.375 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.005 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:172 Resp: 579666
Ion Ratio Lower Upper
172 100
171 35.9 28.0 42.0
170 24.1 18.7 28.1

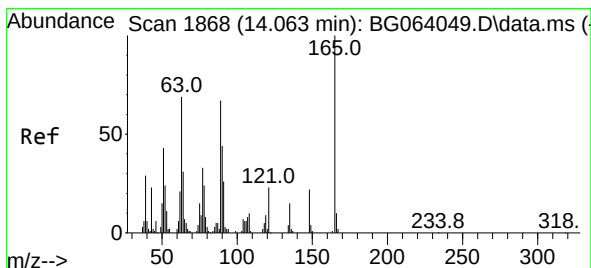
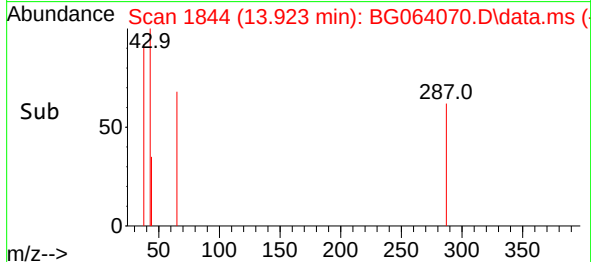
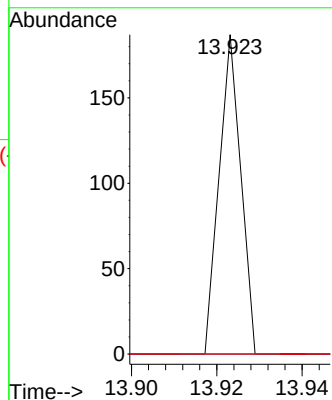
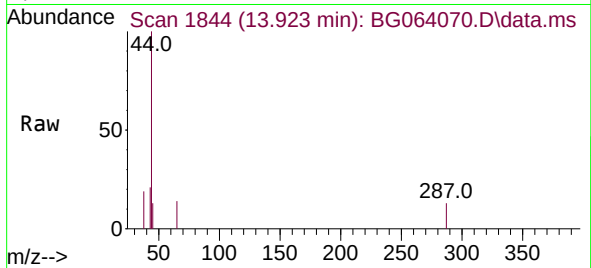




#48
2-Nitroaniline
Concen: 3.254 ng
RT: 13.923 min Scan# 11
Delta R.T. 0.359 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

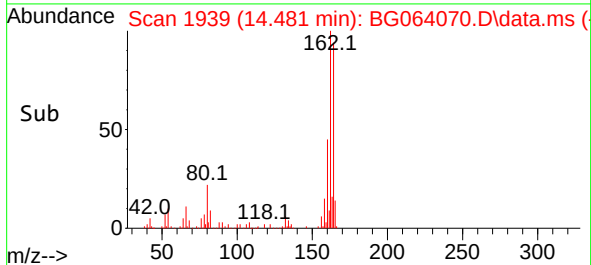
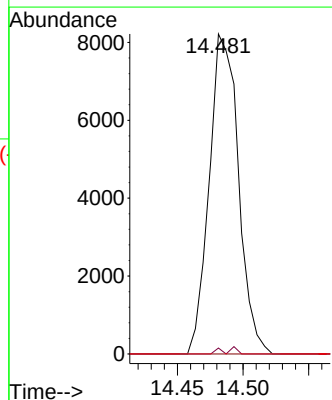
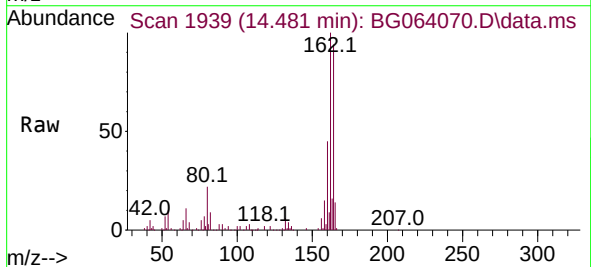
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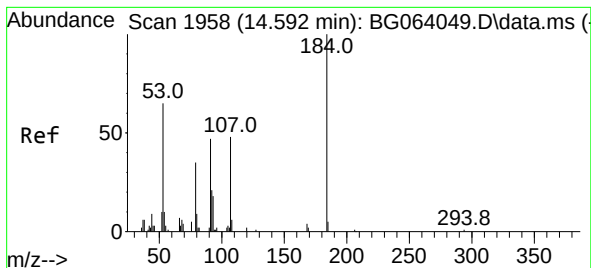
Tgt Ion: 65 Resp: 66
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#



#51
2,6-Dinitrotoluene
Concen: 11.727 ng
RT: 14.481 min Scan# 1939
Delta R.T. 0.418 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion: 165 Resp: 12699
Ion Ratio Lower Upper
165 100
63 1.8 56.7 85.1#
89 0.0 53.7 80.5#

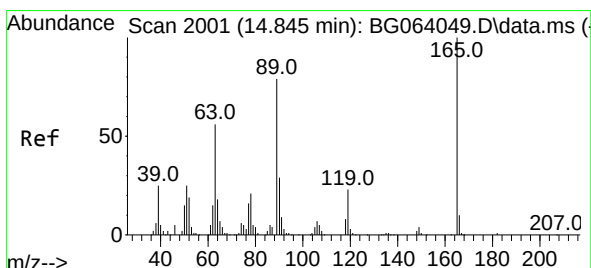
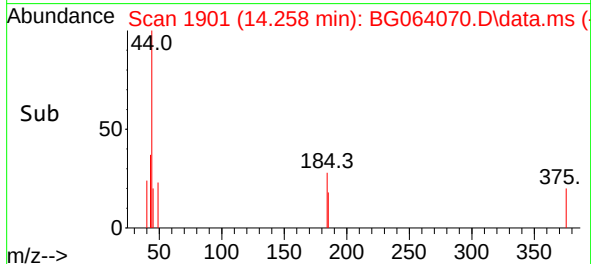
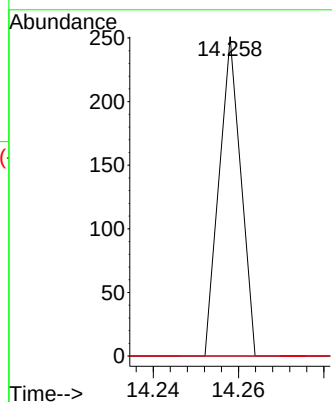
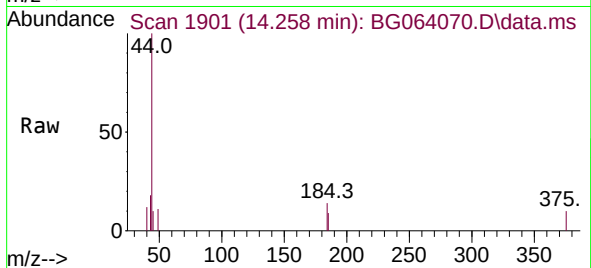




#54
2,4-Dinitrophenol
Concen: 8.016 ng
RT: 14.258 min Scan# 1958
Delta R.T. -0.334 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

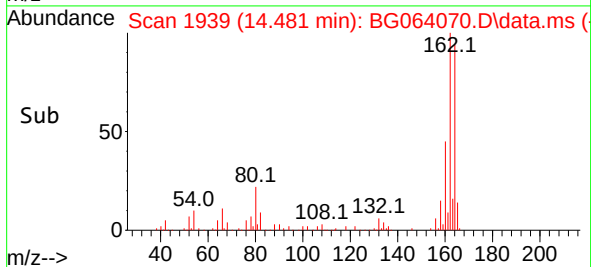
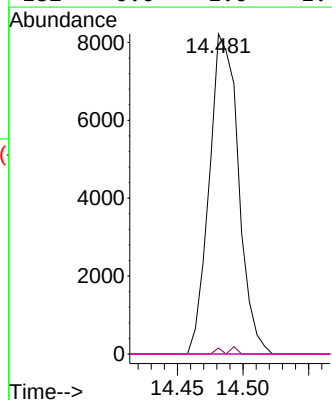
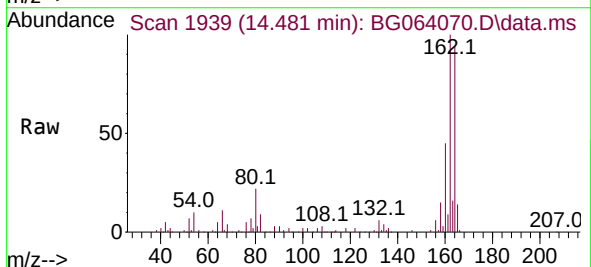
Instrument :
BNA_G
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SOIL

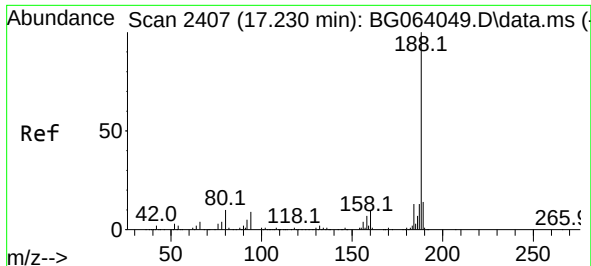
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	57.5	86.3#
154	0.0	52.3	78.5#



#57
2,4-Dinitrotoluene
Concen: 9.672 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.364 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	45.0	67.6#
89	0.0	63.1	94.7#
182	0.0	1.0	1.4#

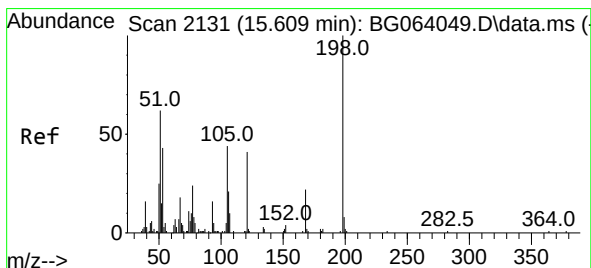
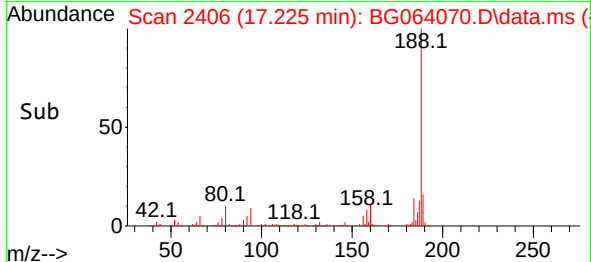
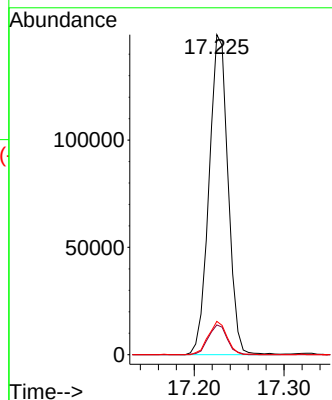
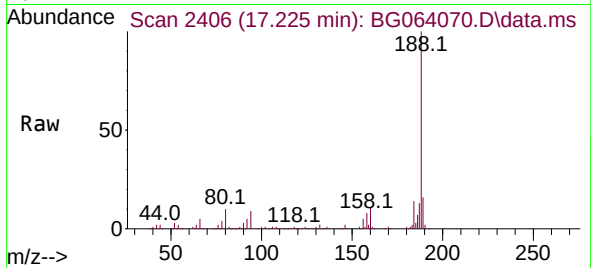




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2407
Delta R.T. -0.005 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

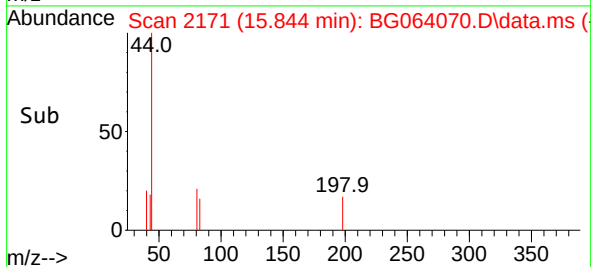
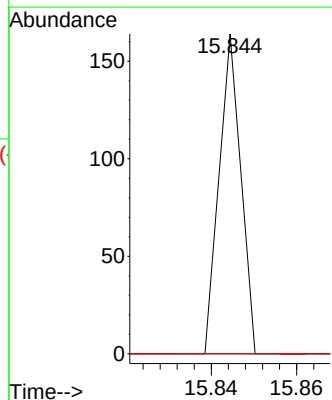
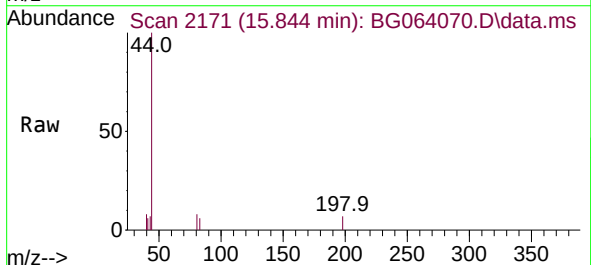
Instrument :
BNA_G
ClientSampleId :
SOIL

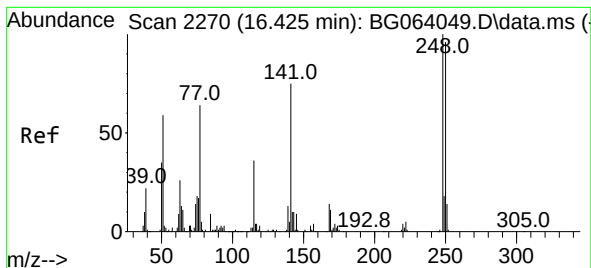
Tgt Ion:188 Resp: 218867
Ion Ratio Lower Upper
188 100
94 9.3 6.9 10.3
80 10.4 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 8.230 ng
RT: 15.844 min Scan# 2171
Delta R.T. 0.235 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

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#

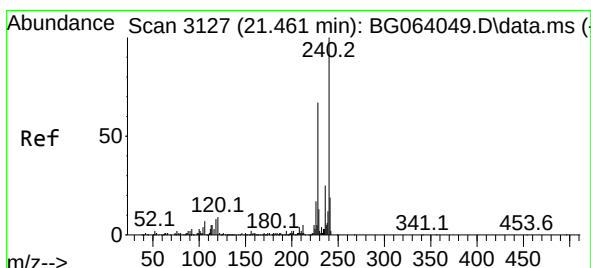
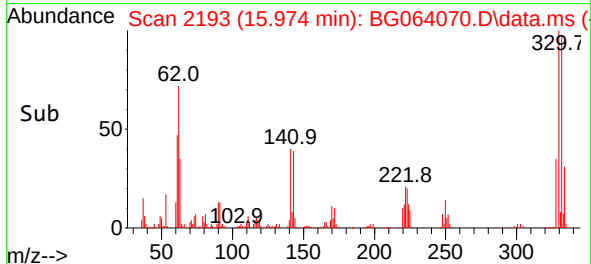
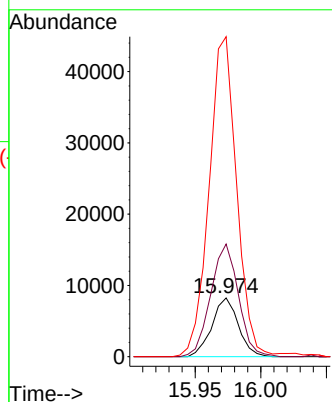
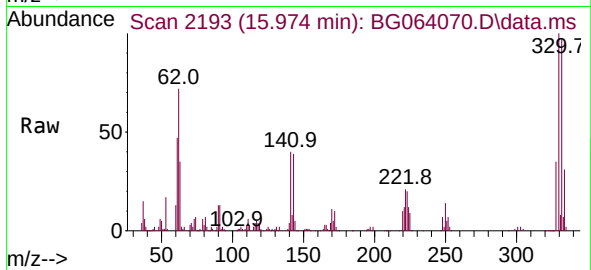




#67
4-Bromophenyl-phenylether
Concen: 5.143 ng
RT: 15.974 min Scan# 2193
Delta R.T. -0.452 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

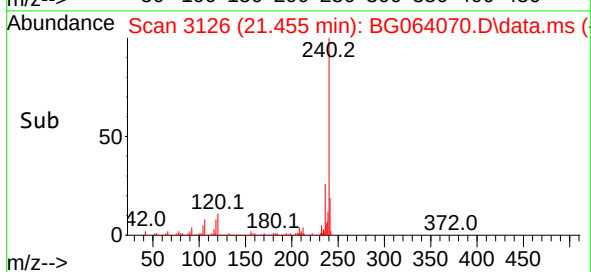
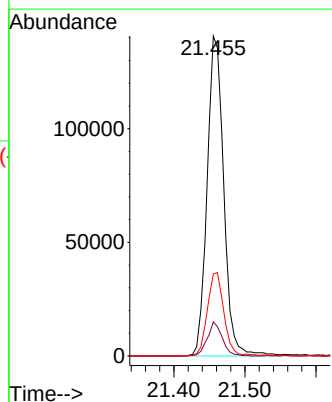
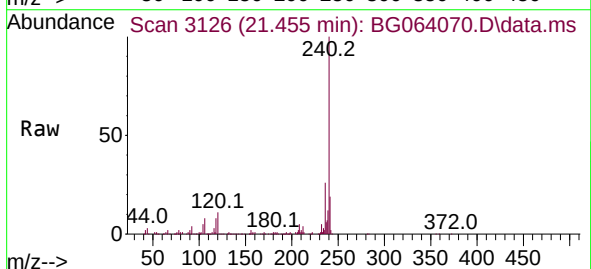
Instrument :
BNA_G
ClientSampleId :
SOIL

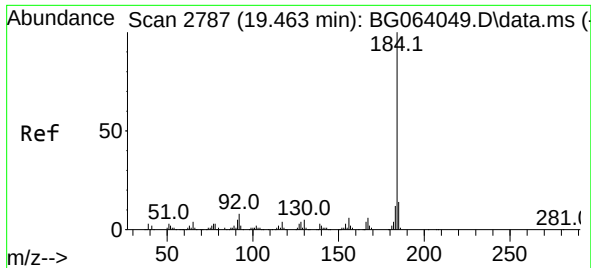
Tgt Ion:248 Resp: 11529
Ion Ratio Lower Upper
248 100
250 192.0 77.1 115.7#
141 545.3 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3126
Delta R.T. -0.005 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:240 Resp: 229378
Ion Ratio Lower Upper
240 100
120 10.7 7.2 10.8
236 25.7 20.2 30.2

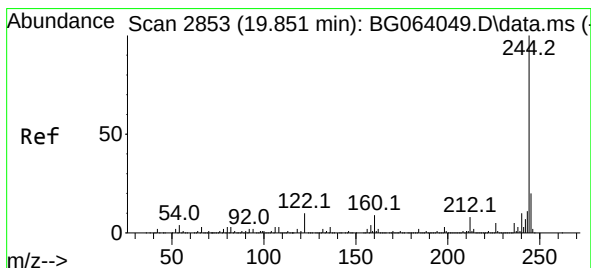
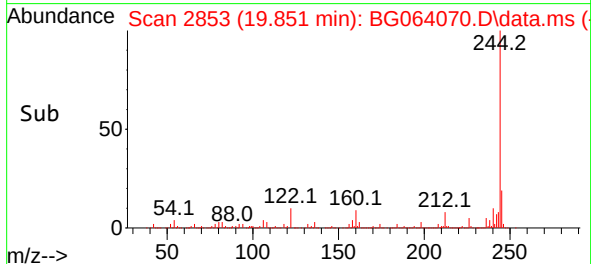
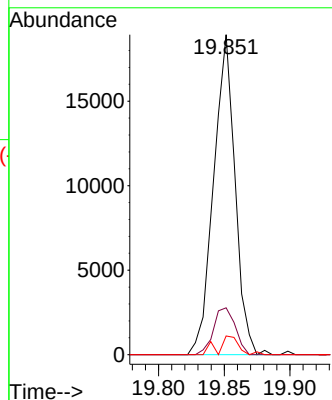
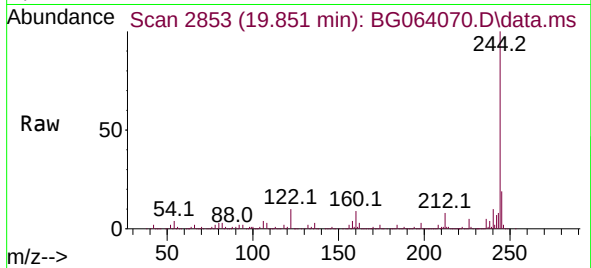




#77
Benzidine
Concen: 6.764 ng
RT: 19.851 min Scan# 21
Delta R.T. 0.388 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

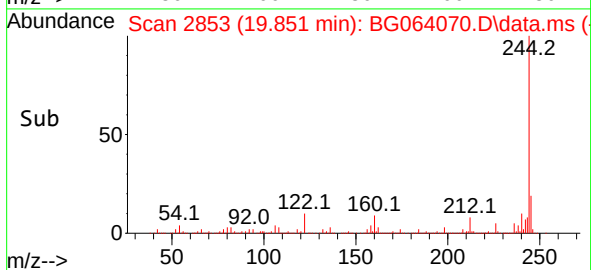
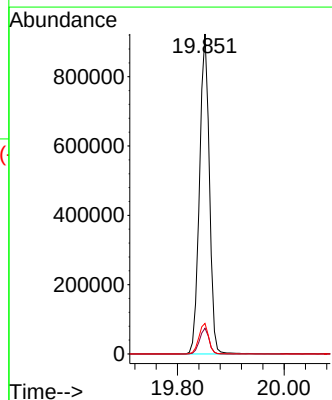
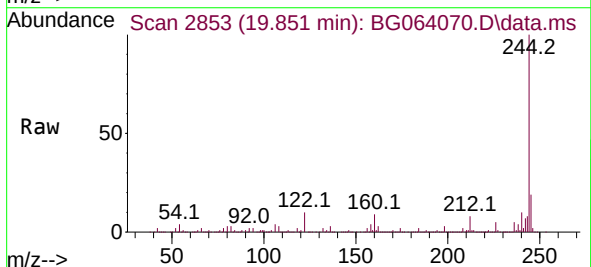
Instrument :
BNA_G
ClientSampleId :
SOIL

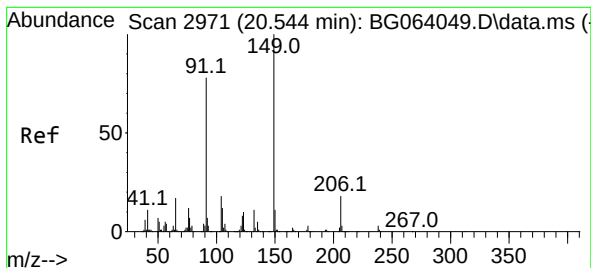
Tgt Ion:184 Resp: 21485
Ion Ratio Lower Upper
184 100
185 14.6 11.3 16.9
183 5.9 9.5 14.3#



#79
Terphenyl-d14
Concen: 104.154 ng
RT: 19.851 min Scan# 2853
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:244 Resp: 1181540
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.4
122 9.5 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.646 ng

RT: 20.609 min Scan# 2971

Delta R.T. 0.065 min

Lab File: BG064070.D

Acq: 7 Mar 2025 22:24

Instrument :

BNA_G

ClientSampleId :

SOIL

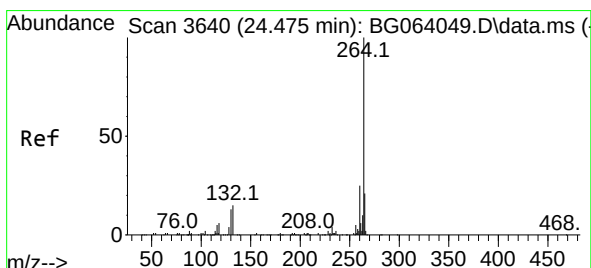
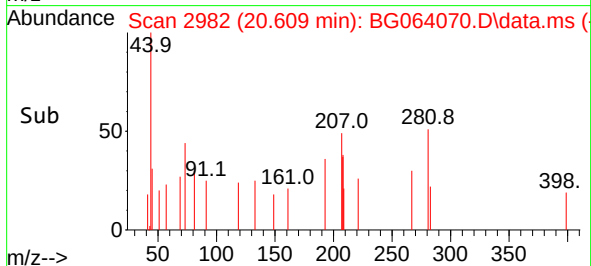
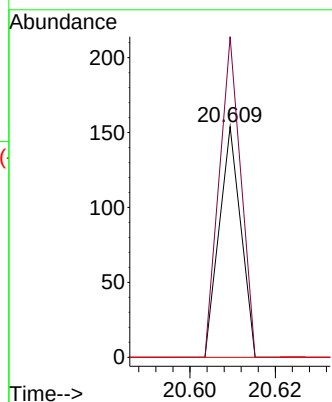
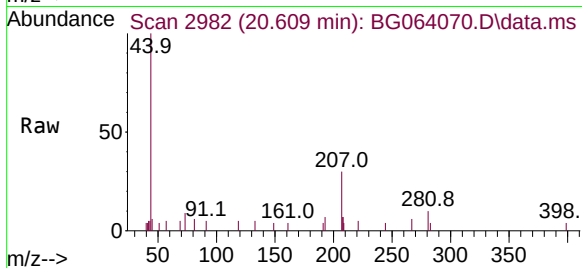
Tgt Ion:149 Resp: 54

Ion Ratio Lower Upper

149 100

91 139.0 62.0 93.0#

206 0.0 14.6 21.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.475 min Scan# 3640

Delta R.T. 0.001 min

Lab File: BG064070.D

Acq: 7 Mar 2025 22:24

Tgt Ion:264 Resp: 241929

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 20.9 16.6 25.0

