

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
 Data File : BG064063.D
 Acq On : 7 Mar 2025 17:40
 Operator : RC/JU
 Sample : Q1514-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-105-GW01

Quant Time: Mar 07 22:56:04 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)

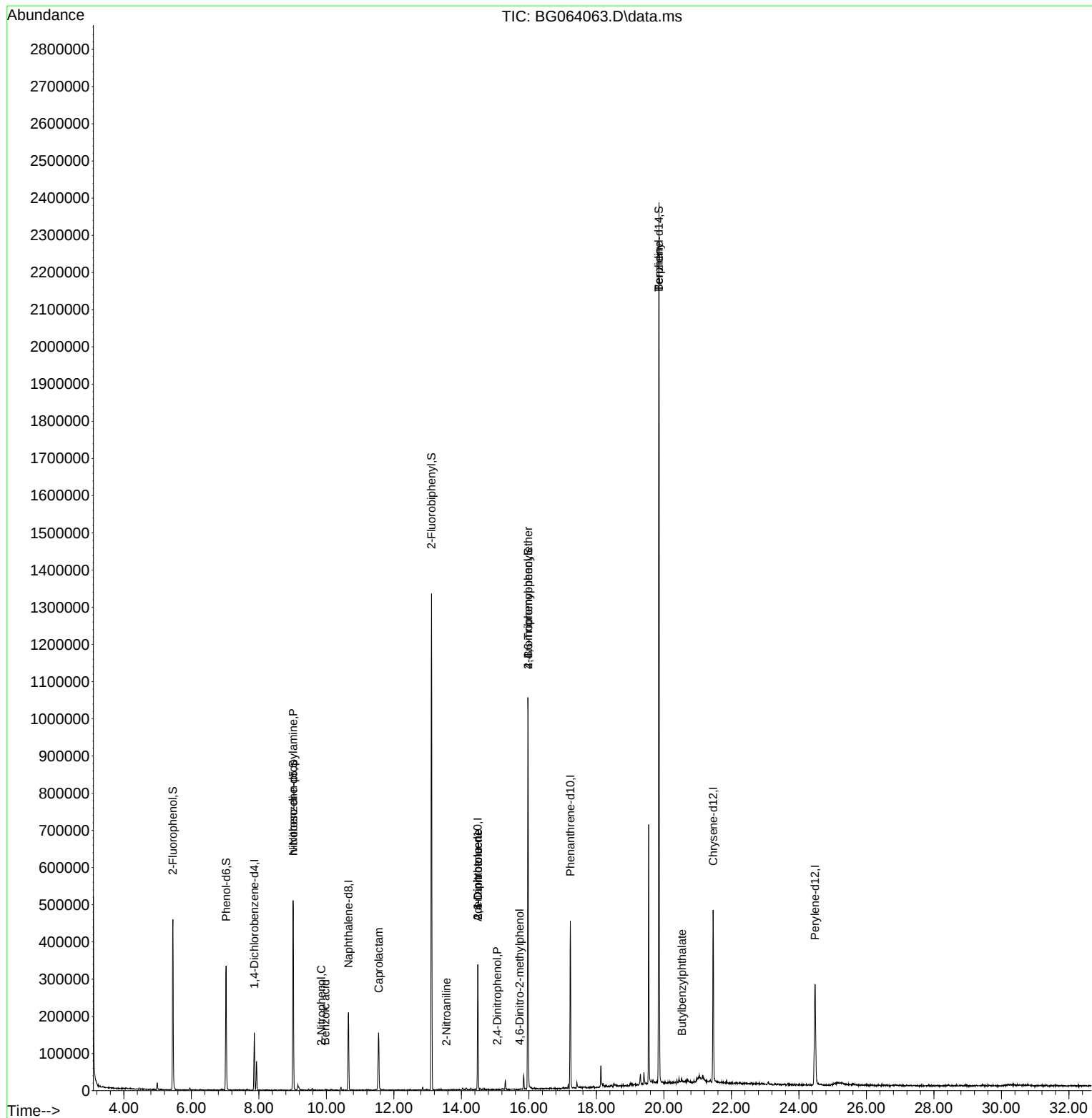
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	37672	20.000	ng	# 0.00
21) Naphthalene-d8	10.653	136	163817	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	111944	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	252643	20.000	ng	0.00
76) Chrysene-d12	21.458	240	258476	20.000	ng	0.00
86) Perylene-d12	24.478	264	269422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	179568	74.428	ng	0.00
7) Phenol-d6	7.028	99	160997	49.053	ng	0.00
23) Nitrobenzene-d5	9.014	82	272348	91.874	ng	0.00
42) 2,4,6-Tribromophenol	15.976	330	176739	142.035	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	618595	83.877	ng	0.00
79) Terphenyl-d14	19.854	244	1084057	84.803	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.014	70	37837	16.427	ng	# 80
26) 2-Nitrophenol	9.854	139	55	3.340	ng	# 26
32) Benzoic acid	9.965	122	289	8.834	ng	# 38
35) Caprolactam	11.552	113	22875	26.577	ng	88
48) 2-Nitroaniline	13.555	65	63	3.246	ng	# 11
51) 2,6-Dinitrotoluene	14.489	165	16312	12.407	ng	# 17
54) 2,4-Dinitrophenol	15.059	184	57	7.955	ng	# 15
57) 2,4-Dinitrotoluene	14.489	165	16312	10.162	ng	# 18
65) 4,6-Dinitro-2-methylph...	15.723	198	80	8.240	ng	# 23
67) 4-Bromophenyl-phenylether	15.976	248	12404	4.794	ng	# 1
77) Benzidine	19.854	184	20168	5.635	ng	# 1
80) Butylbenzylphthalate	20.535	149	360	3.691	ng	# 46

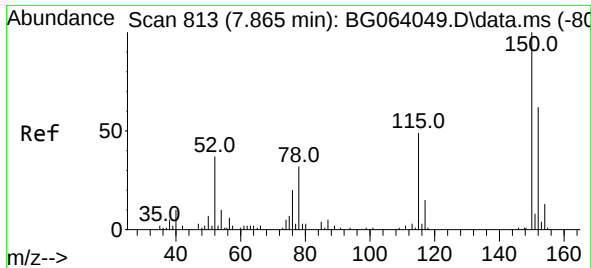
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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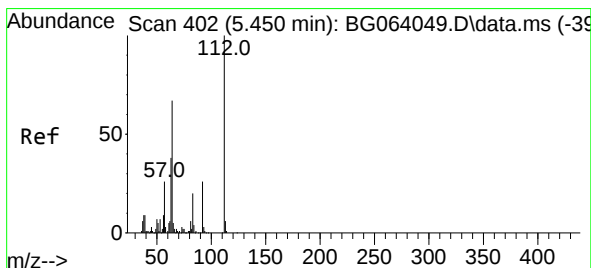
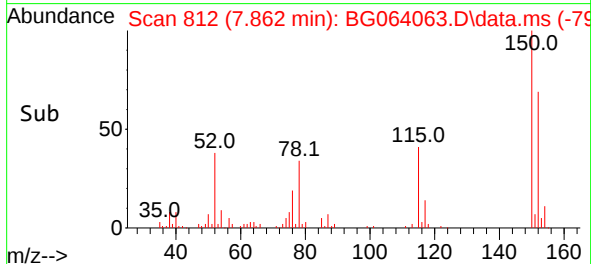
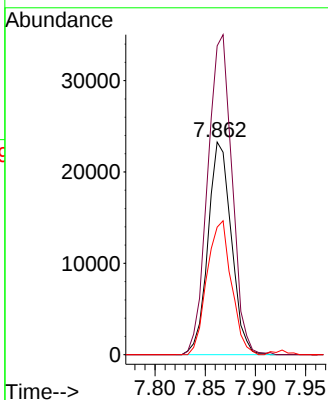
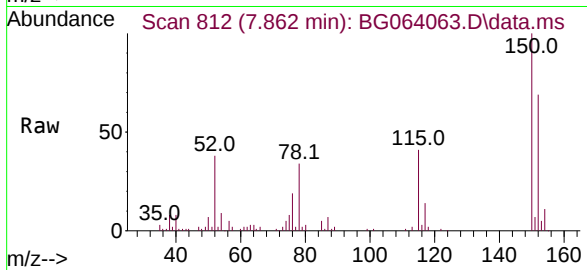




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

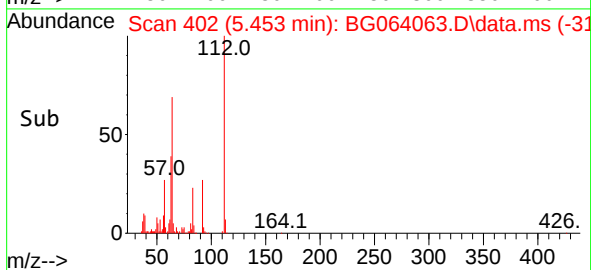
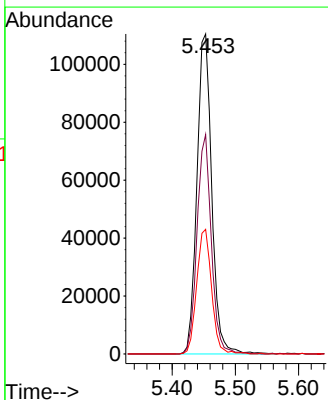
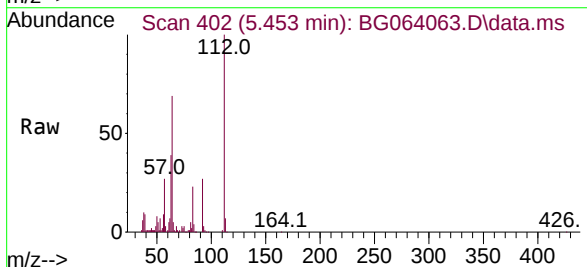
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:152 Resp: 37672
Ion Ratio Lower Upper
152 100
150 145.2 129.2 193.8
115 60.0 63.0 94.6#



#5
2-Fluorophenol
Concen: 74.428 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:112 Resp: 179568
Ion Ratio Lower Upper
112 100
64 68.5 53.7 80.5
63 39.0 30.2 45.4

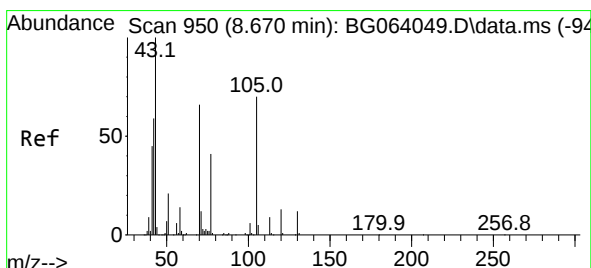
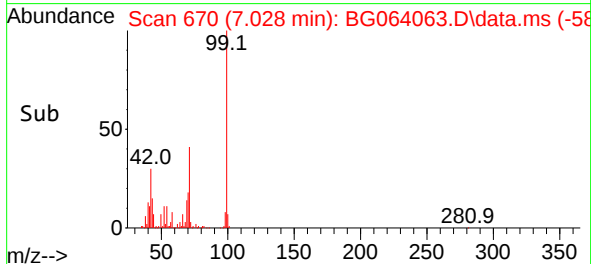
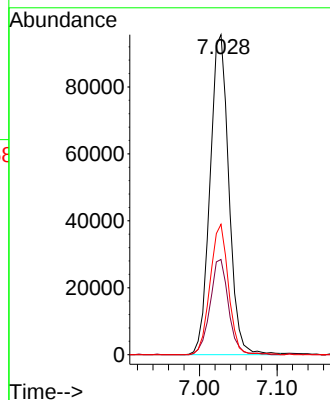
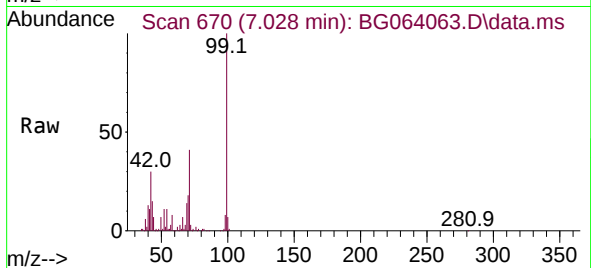




#7
Phenol-d6
Concen: 49.053 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

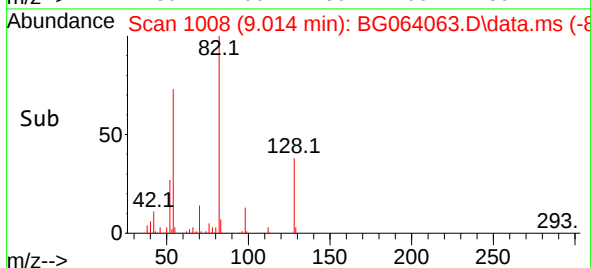
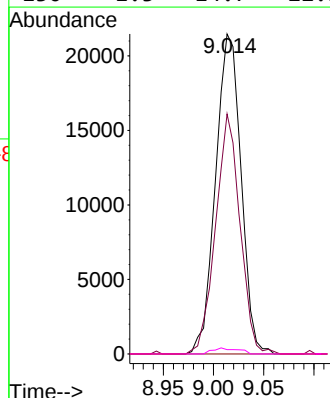
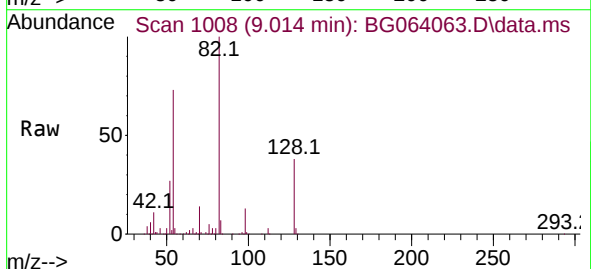
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

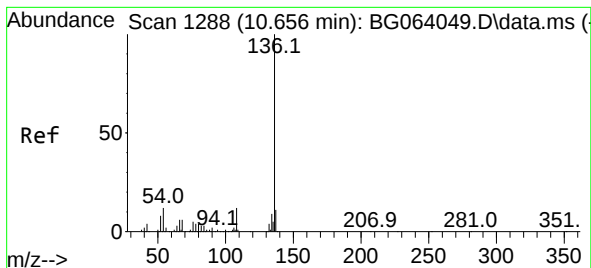
Tgt Ion: 99 Resp: 160997
Ion Ratio Lower Upper
99 100
42 29.8 22.7 34.1
71 40.7 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.427 ng
RT: 9.014 min Scan# 1008
Delta R.T. 0.344 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion: 70 Resp: 37837
Ion Ratio Lower Upper
70 100
42 75.0 72.1 108.1
101 0.0 7.2 10.8#
130 1.3 14.7 22.1#

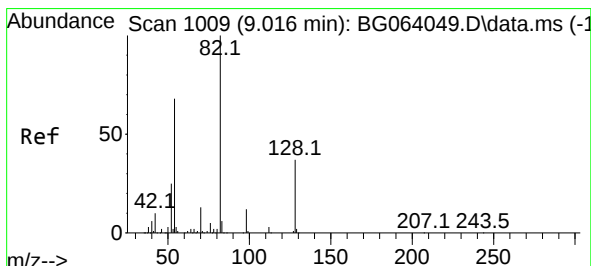
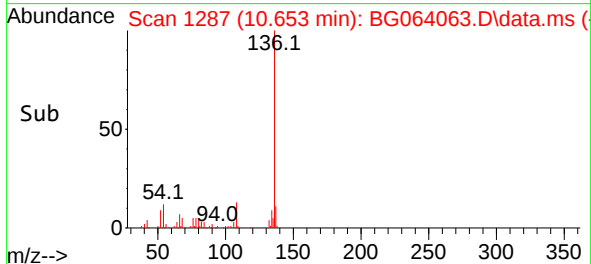
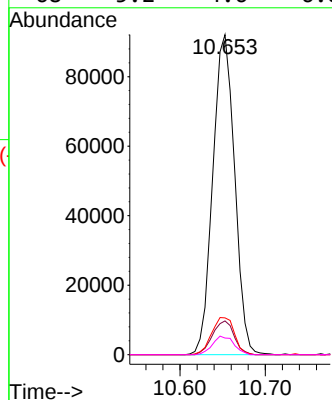
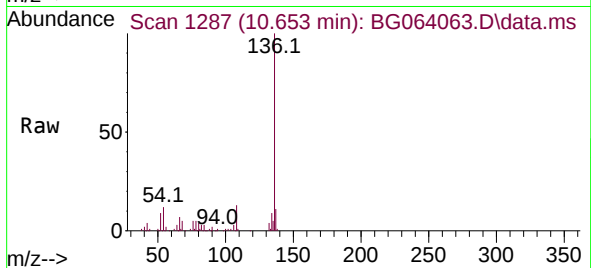




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.653 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

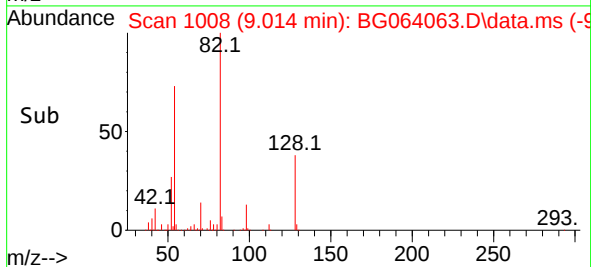
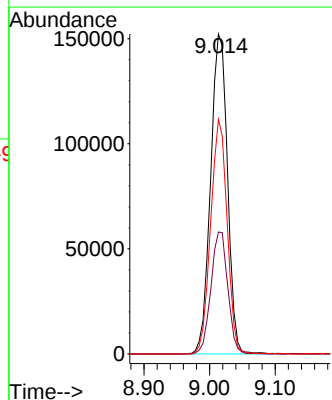
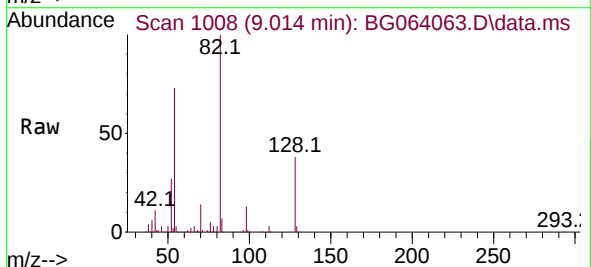
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

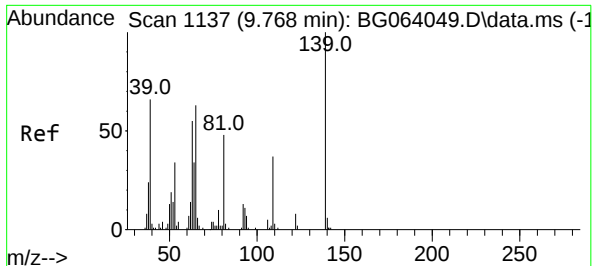
Tgt Ion:	136	Resp:	163817
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	11.5	9.9	14.9
68	5.2	4.6	6.8



#23
Nitrobenzene-d5
Concen: 91.874 ng
RT: 9.014 min Scan# 1008
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:	82	Resp:	272348
Ion Ratio	Lower	Upper	
82	100		
128	38.1	30.0	45.0
54	73.3	54.7	82.1

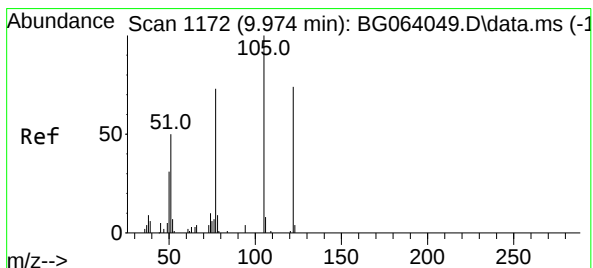
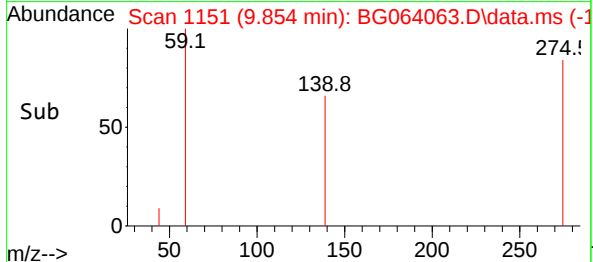
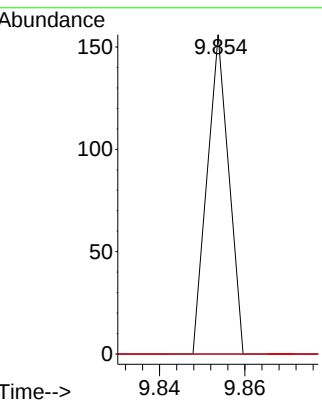
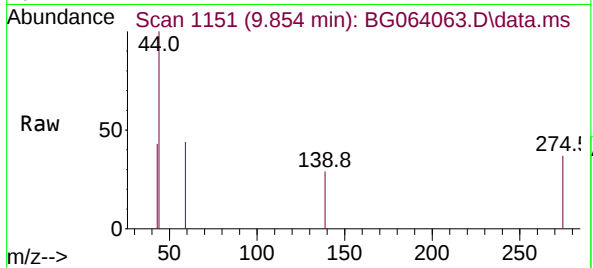




#26
2-Nitrophenol
Concen: 3.340 ng
RT: 9.854 min Scan# 1137
Delta R.T. 0.086 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

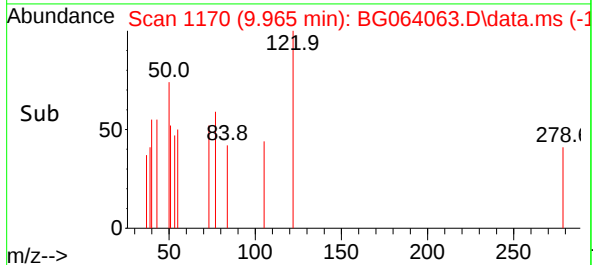
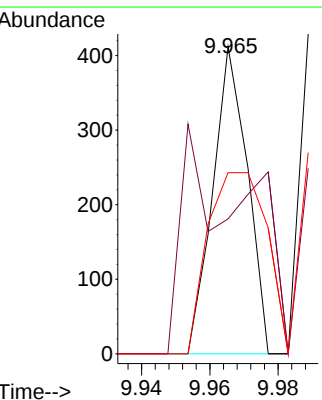
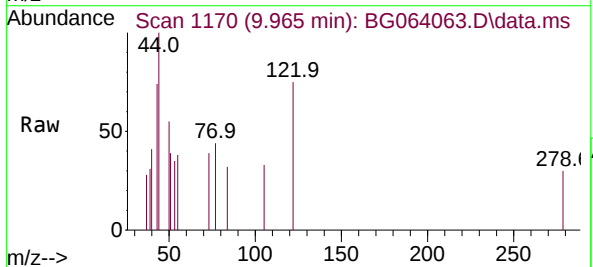
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

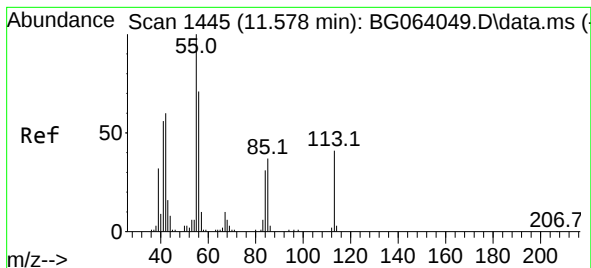
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 8.834 ng
RT: 9.965 min Scan# 1170
Delta R.T. -0.009 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:122 Resp: 289
Ion Ratio Lower Upper
122 100
105 43.9 115.0 155.0#
77 59.0 80.9 120.9#





#35

Caprolactam

Concen: 26.577 ng

RT: 11.552 min Scan# 1440

Delta R.T. -0.026 min

Lab File: BG064063.D

Acq: 7 Mar 2025 17:40

Instrument :

BNA_G

ClientSampleId :

ENV-105-GW01

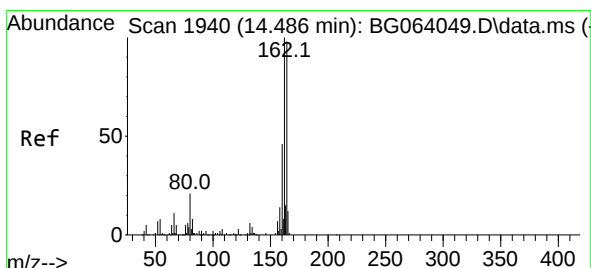
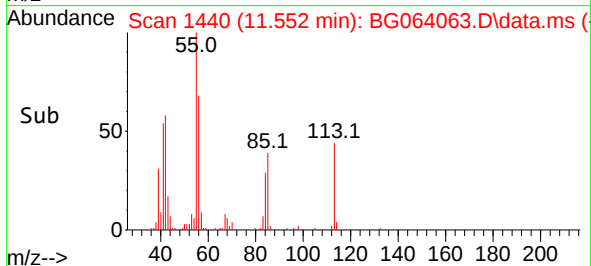
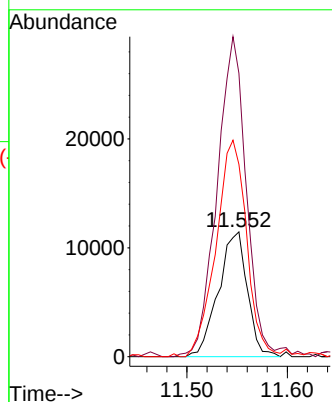
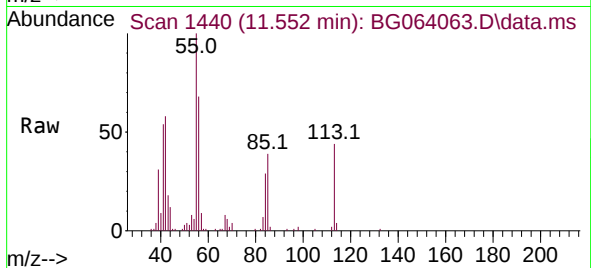
Tgt Ion:113 Resp: 22875

Ion Ratio Lower Upper

113 100

55 227.1 225.2 265.2

56 154.1 153.4 193.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.484 min Scan# 1939

Delta R.T. -0.002 min

Lab File: BG064063.D

Acq: 7 Mar 2025 17:40

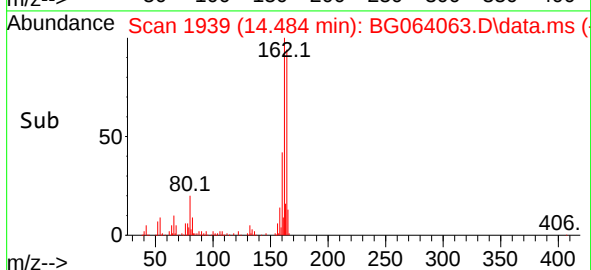
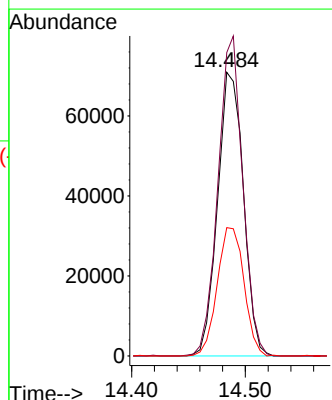
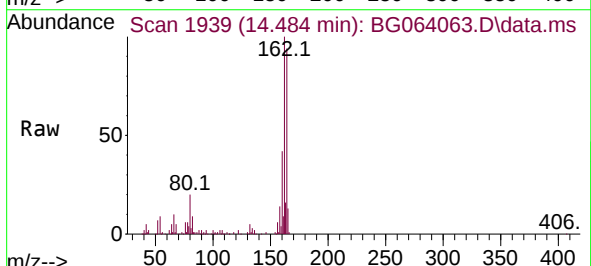
Tgt Ion:164 Resp: 111944

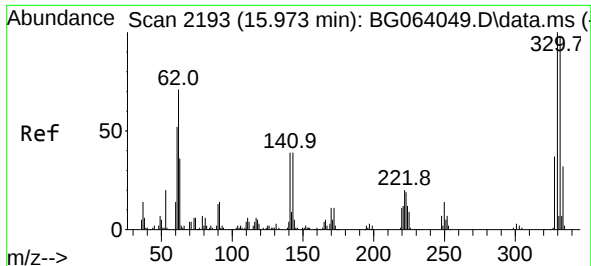
Ion Ratio Lower Upper

164 100

162 106.9 81.4 122.0

160 45.3 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 142.035 ng

RT: 15.976 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG064063.D

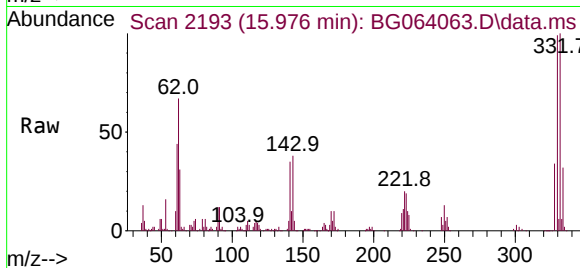
Acq: 7 Mar 2025 17:40

Instrument :

BNA_G

ClientSampleId :

ENV-105-GW01



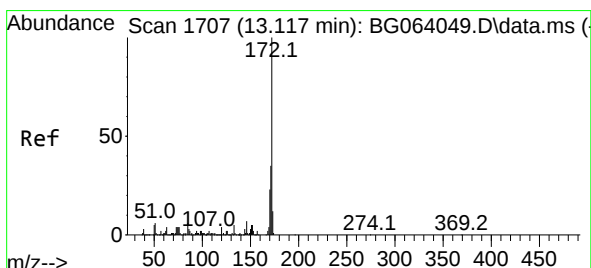
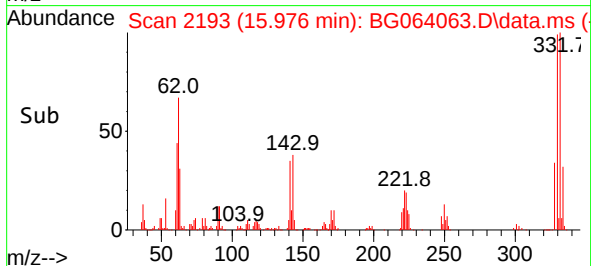
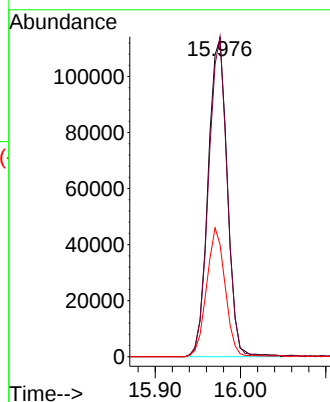
Tgt Ion:330 Resp: 176739

Ion Ratio Lower Upper

330 100

332 97.8 76.7 115.1

141 39.2 29.7 44.5



#45

2-Fluorobiphenyl

Concen: 83.877 ng

RT: 13.115 min Scan# 1706

Delta R.T. -0.003 min

Lab File: BG064063.D

Acq: 7 Mar 2025 17:40

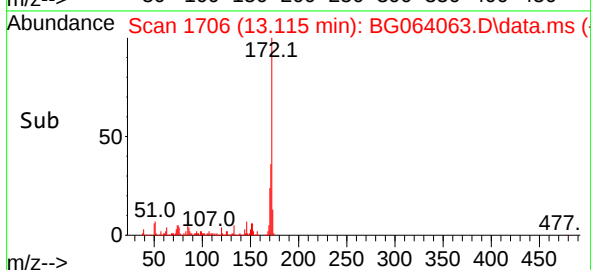
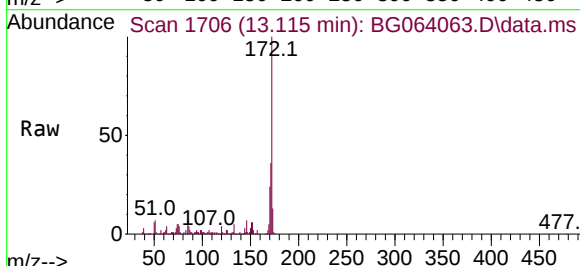
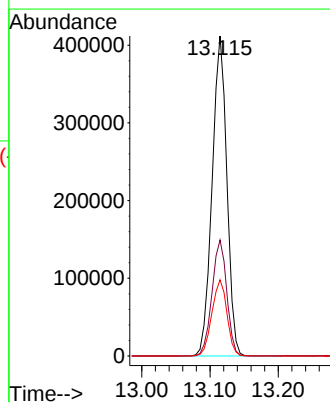
Tgt Ion:172 Resp: 618595

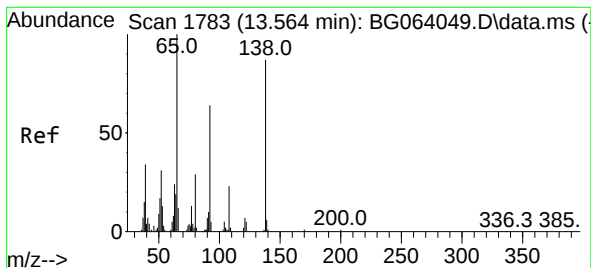
Ion Ratio Lower Upper

172 100

171 36.3 28.0 42.0

170 23.8 18.7 28.1





#48

2-Nitroaniline

Concen: 3.246 ng

RT: 13.555 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064063.D

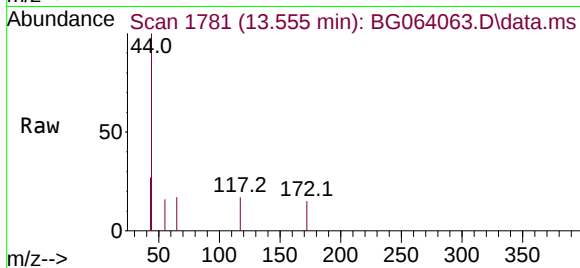
Acq: 7 Mar 2025 17:40

Instrument :

BNA_G

ClientSampleId :

ENV-105-GW01



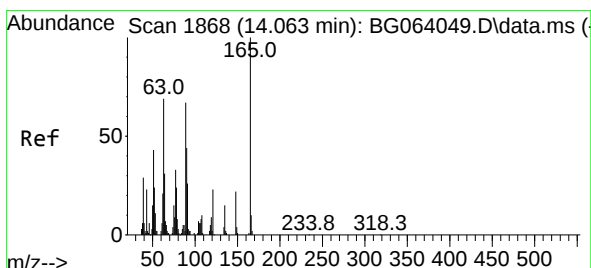
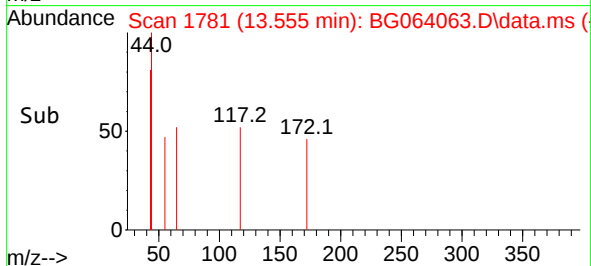
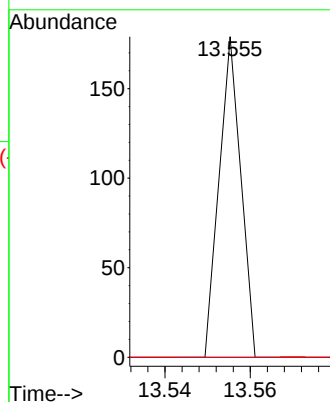
Tgt Ion: 65 Resp: 63

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: 12.407 ng

RT: 14.489 min Scan# 1940

Delta R.T. 0.426 min

Lab File: BG064063.D

Acq: 7 Mar 2025 17:40

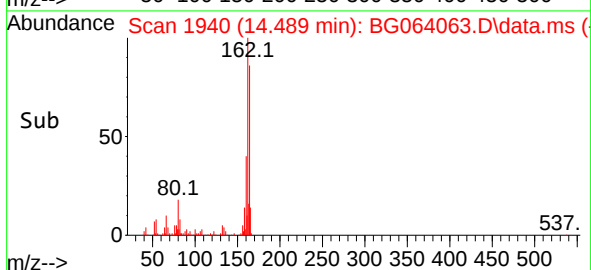
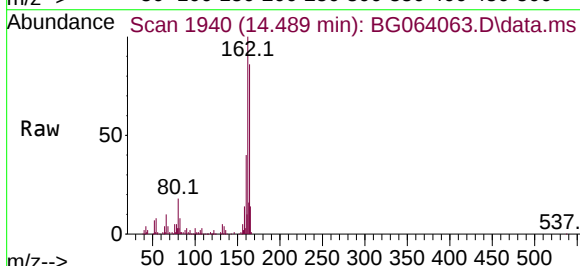
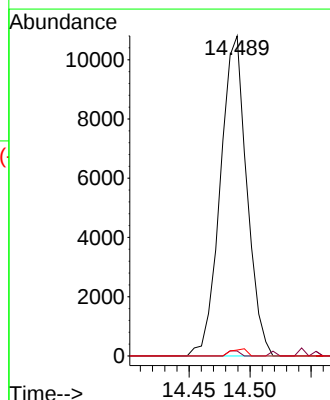
Tgt Ion:165 Resp: 16312

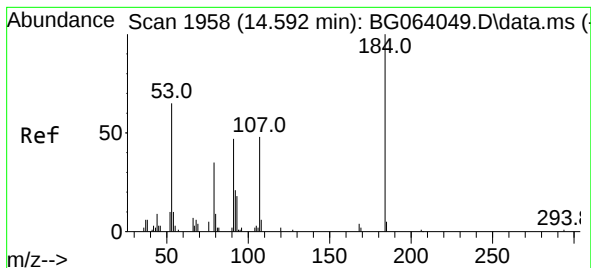
Ion Ratio Lower Upper

165 100

63 1.6 56.7 85.1#

89 1.9 53.7 80.5#

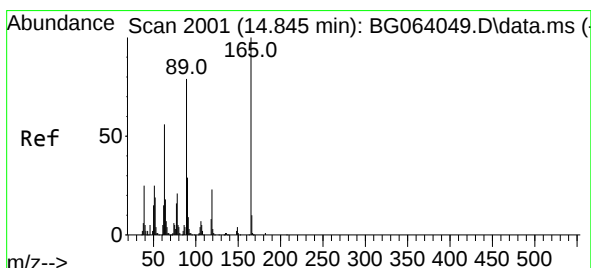
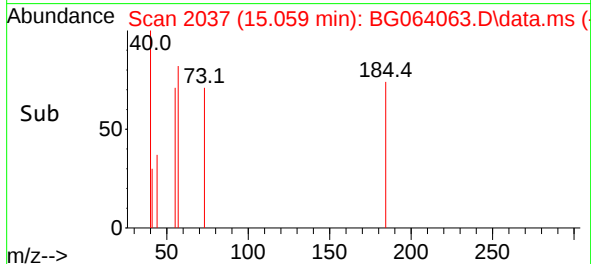
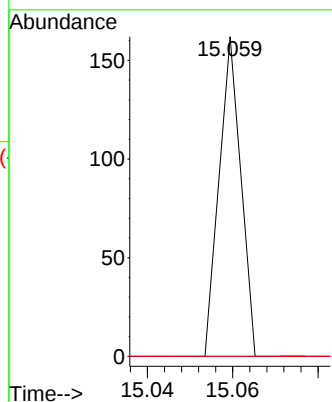
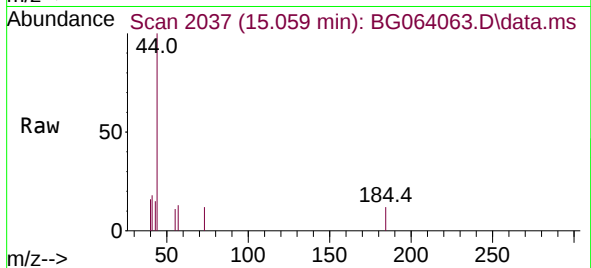




#54
2,4-Dinitrophenol
Concen: 7.955 ng
RT: 15.059 min Scan# 20
Delta R.T. 0.467 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

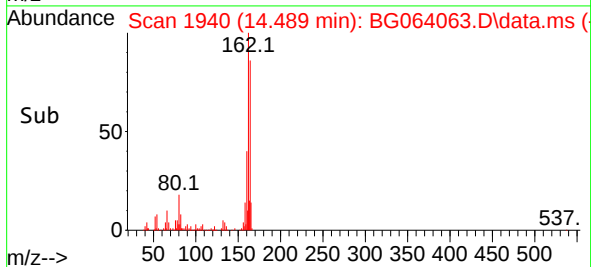
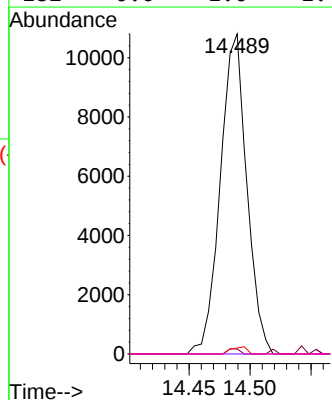
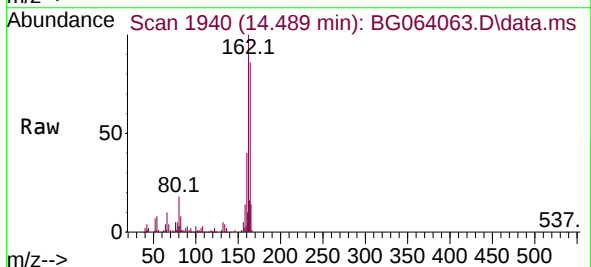
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

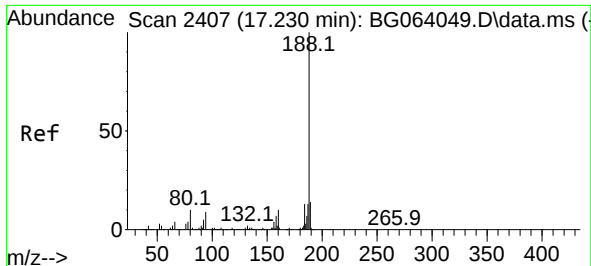
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#



#57
2,4-Dinitrotoluene
Concen: 10.162 ng
RT: 14.489 min Scan# 1940
Delta R.T. -0.356 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:165 Resp: 16312
Ion Ratio Lower Upper
165 100
63 1.6 45.0 67.6#
89 1.9 63.1 94.7#
182 0.0 1.0 1.4#

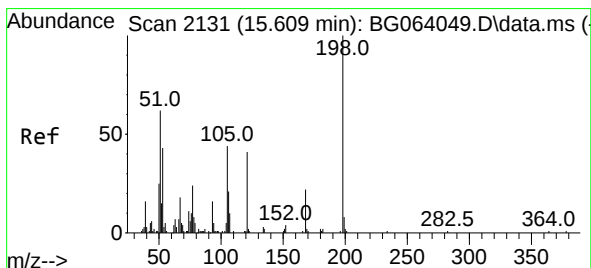
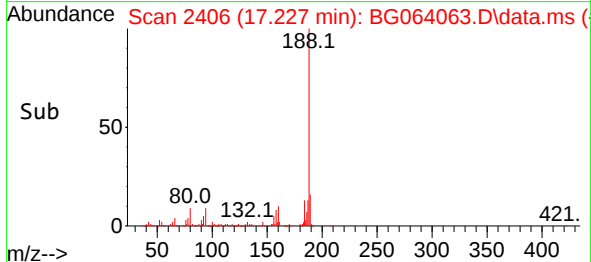
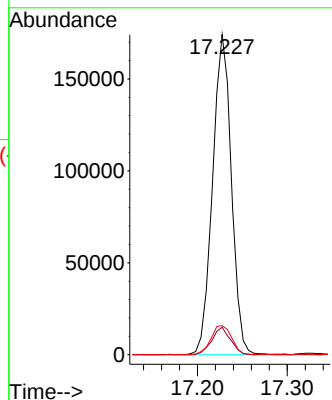
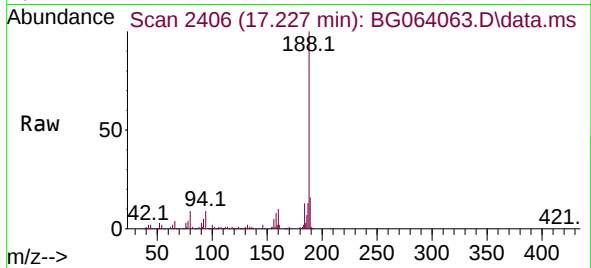




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

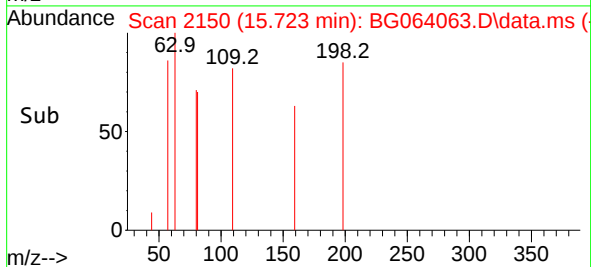
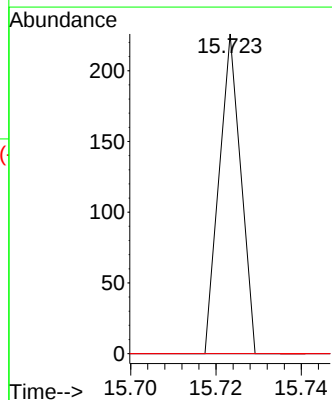
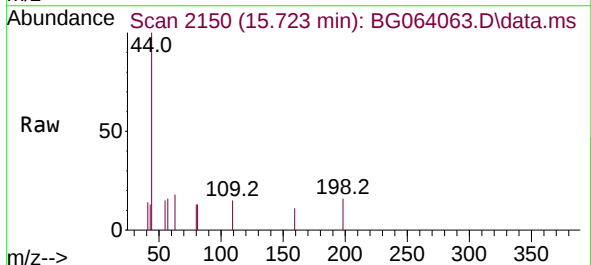
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

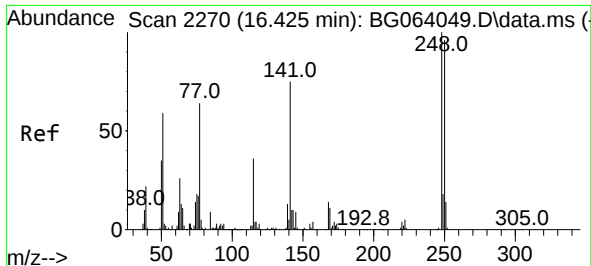
Tgt Ion:188 Resp: 252643
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 9.1 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 8.240 ng
RT: 15.723 min Scan# 2150
Delta R.T. 0.114 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:198 Resp: 80
Ion Ratio Lower Upper
198 100
51 0.0 45.6 85.6#
105 0.0 25.3 65.3#

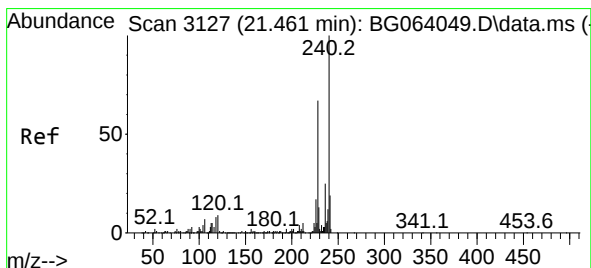
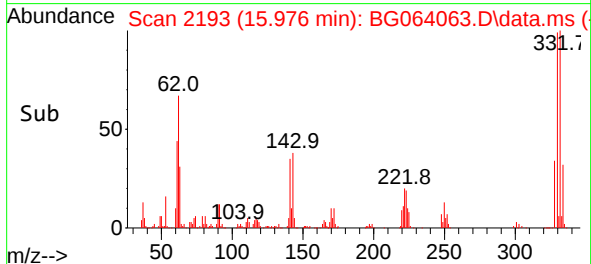
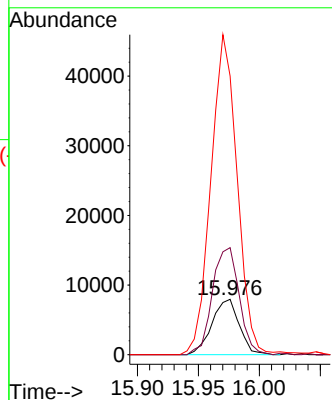
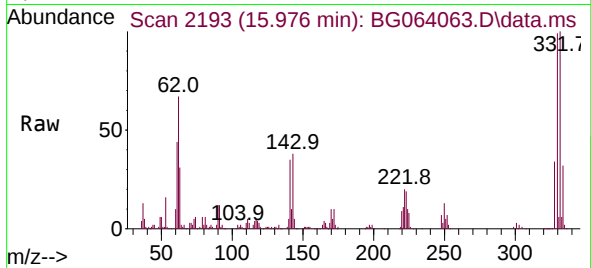




#67
4-Bromophenyl-phenylether
Concen: 4.794 ng
RT: 15.976 min Scan# 2193
Delta R.T. -0.449 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

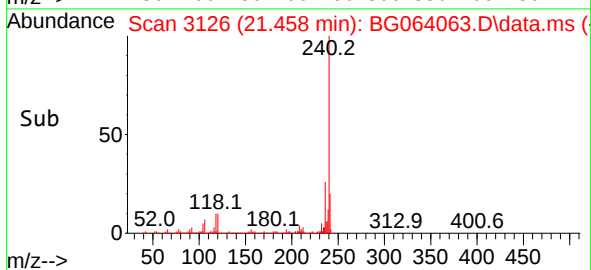
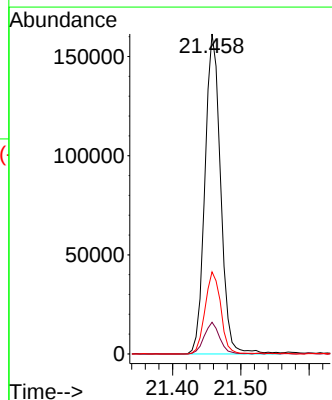
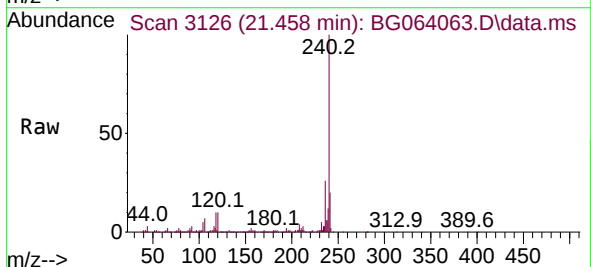
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

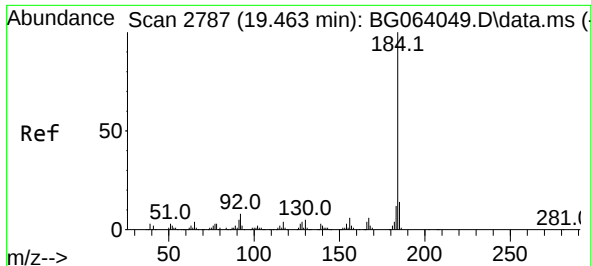
Tgt Ion:248 Resp: 12404
Ion Ratio Lower Upper
248 100
250 193.3 77.1 115.7#
141 503.5 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:240 Resp: 258476
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 25.6 20.2 30.2

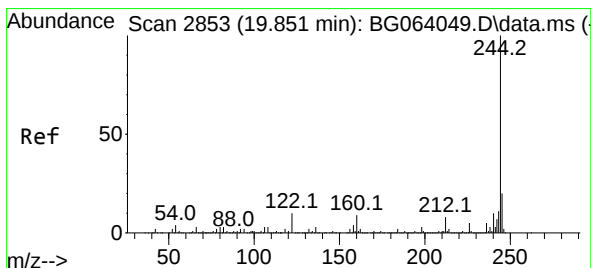
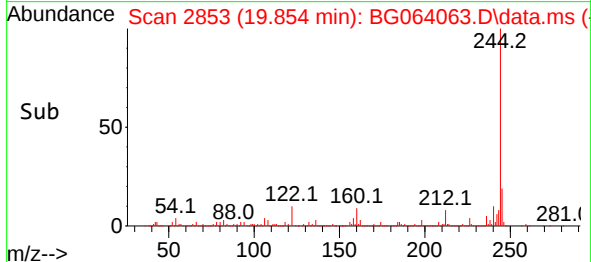
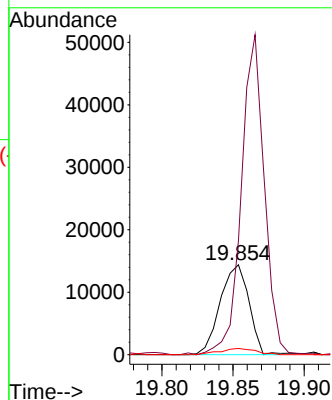
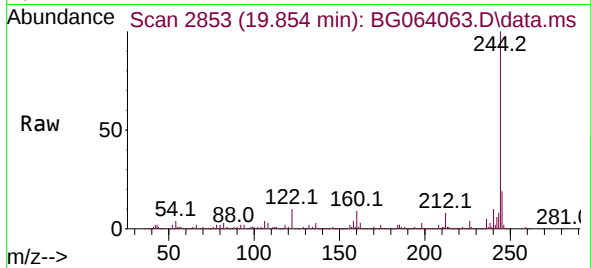




#77
Benzidine
Concen: 5.635 ng
RT: 19.854 min Scan# 2853
Delta R.T. 0.391 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

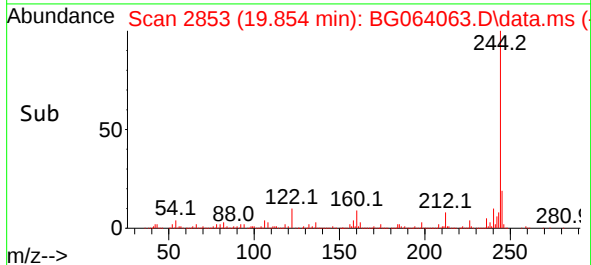
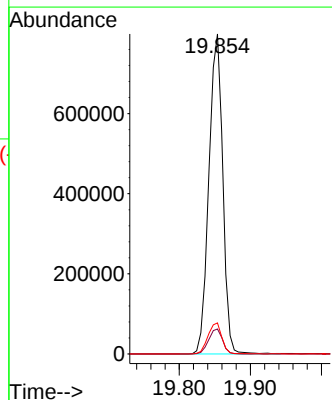
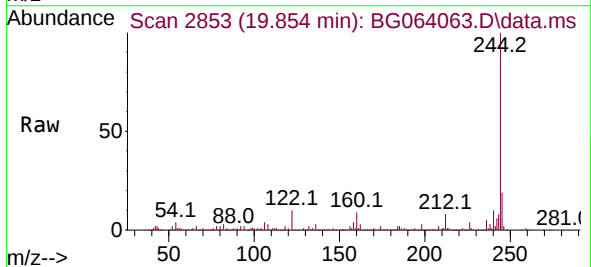
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

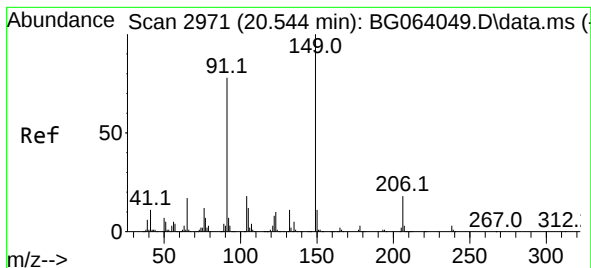
Tgt Ion:184 Resp: 20168
Ion Ratio Lower Upper
184 100
185 126.5 11.3 16.9#
183 7.0 9.5 14.3#



#79
Terphenyl-d14
Concen: 84.803 ng
RT: 19.854 min Scan# 2853
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:244 Resp: 1084057
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.4
122 9.7 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.691 ng

RT: 20.535 min Scan# 2969

Delta R.T. -0.009 min

Lab File: BG064063.D

Acq: 7 Mar 2025 17:40

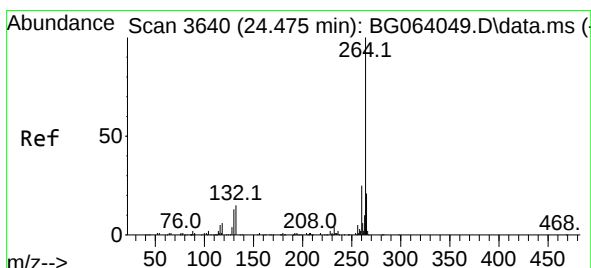
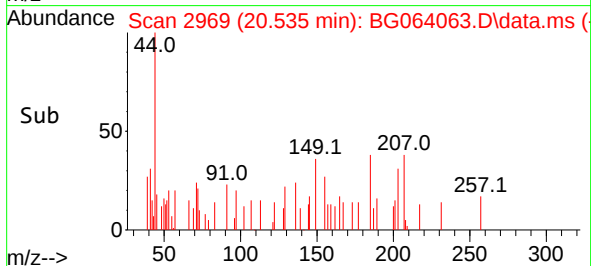
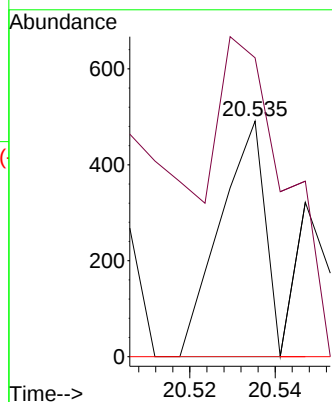
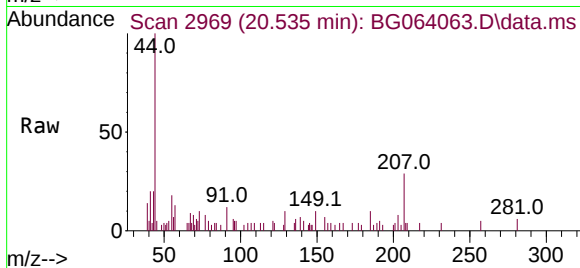
Instrument :

BNA_G

ClientSampleId :

ENV-105-GW01

Tgt Ion:	149	Resp:	360
Ion Ratio	Lower	Upper	
149	100		
91	126.9	62.0	93.0#
206	0.0	14.6	21.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.478 min Scan# 3640

Delta R.T. 0.003 min

Lab File: BG064063.D

Acq: 7 Mar 2025 17:40

Tgt Ion:	264	Resp:	269422
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.6	29.4
265	20.4	16.6	25.0

