

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064668.D
 Acq On : 31 Oct 2025 23:04
 Operator : RC/JU
 Sample : Q3501-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

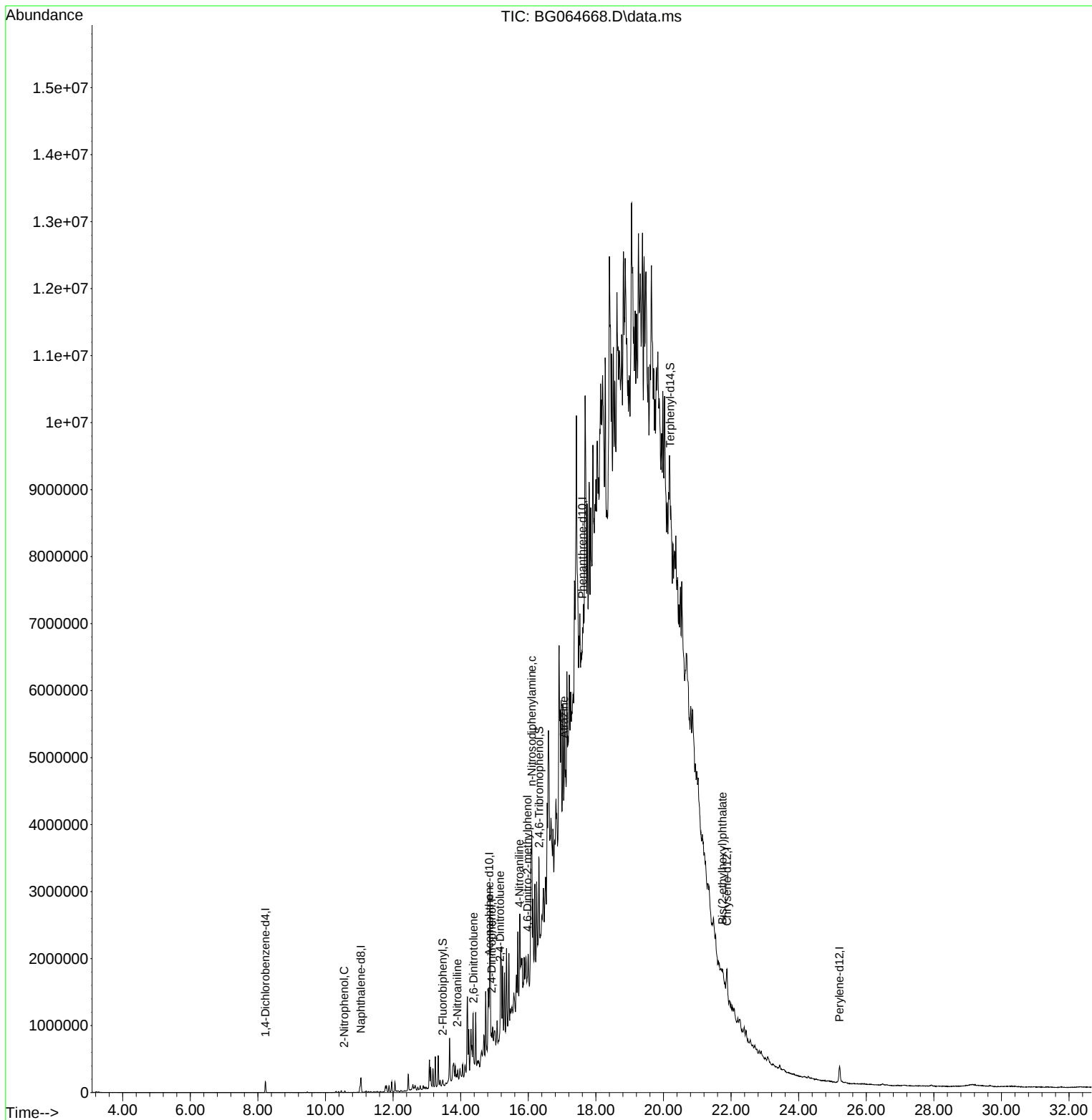
Quant Time: Nov 01 00:01:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

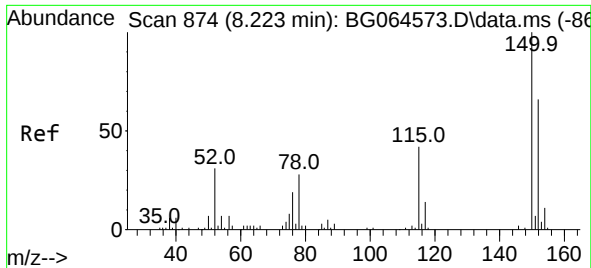
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	47266	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	173807	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	117672	20.000	ng	0.00
64) Phenanthrene-d10	17.600	188	209356	20.000	ng	# 0.02
76) Chrysene-d12	21.883	240	249058	20.000	ng	0.02
86) Perylene-d12	25.209	264	300101	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.000	ng	
7) Phenol-d6	0.000	99	0	0.000	ng	
23) Nitrobenzene-d5	9.380	82	2246	0.776	ng	-0.01
42) 2,4,6-Tribromophenol	16.325	330	10549	6.211	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	32885	4.236	ng	0.00
79) Terphenyl-d14	20.197	244	66540	5.042	ng	0.02
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.555	139	58	3.175	ng	# 29
48) 2-Nitroaniline	13.904	65	353	3.380	ng	# 54
51) 2,6-Dinitrotoluene	14.380	165	10956	10.077	ng	# 25
54) 2,4-Dinitrophenol	14.921	184	146	5.721	ng	# 1
57) 2,4-Dinitrotoluene	15.167	165	2882	4.226	ng	# 43
62) 4-Nitroaniline	15.737	138	10052	5.839	ng	90
65) 4,6-Dinitro-2-methylph...	15.978	198	350	5.764	ng	# 1
66) n-Nitrosodiphenylamine	16.102	169	28617	5.060	ng	# 76
69) Atrazine	17.059	200	7342	3.017	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.748	149	42797	5.824	ng	# 82

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

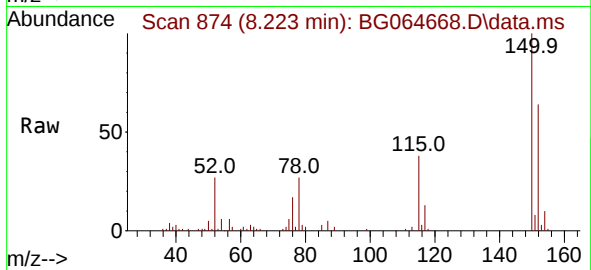
Quant Time: Nov 01 00:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



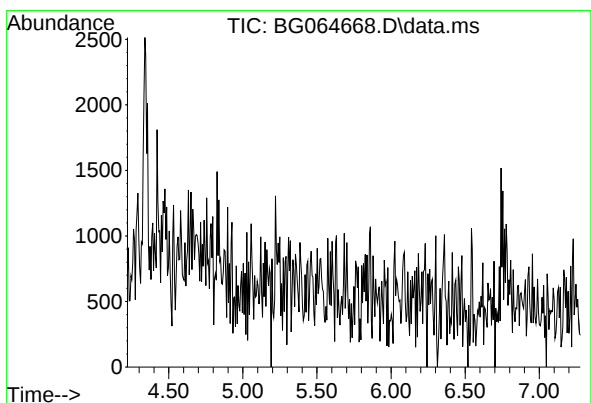
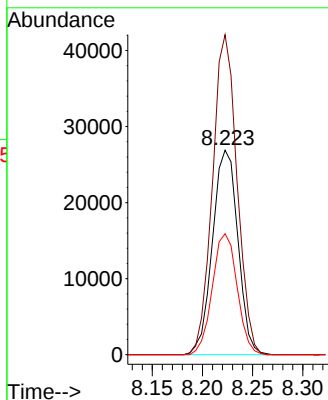
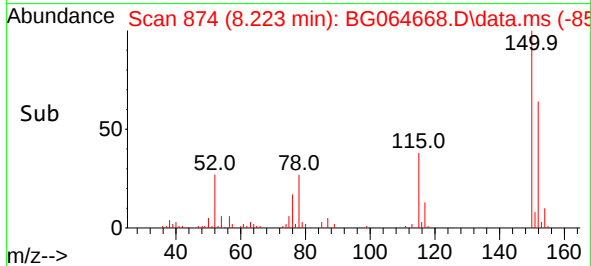


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064668.D
Acq: 31 Oct 2025 23:04

Instrument :
BNA_G
ClientSampleId :



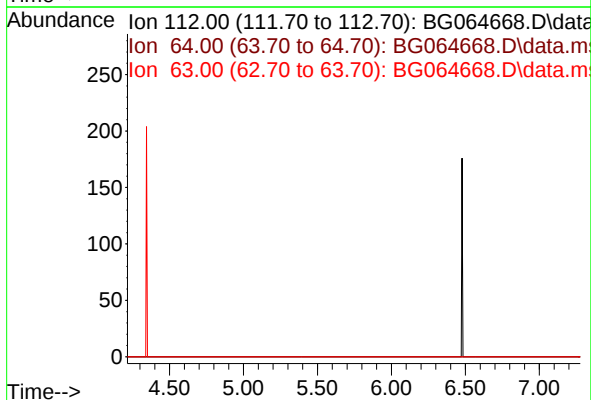
Tgt Ion:152 Resp: 47266
Ion Ratio Lower Upper
152 100
150 156.4 122.2 183.4
115 59.1 50.8 76.2



#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

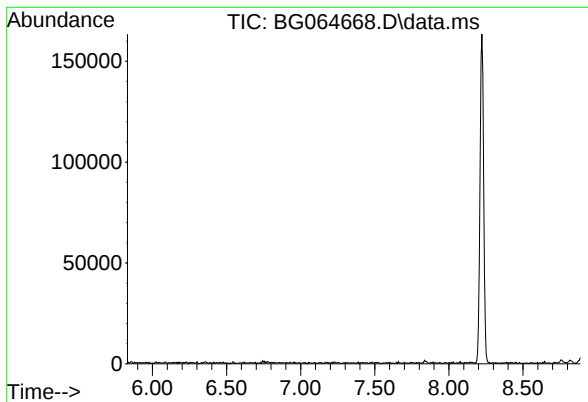
Lab File: BG064668.D
Acq: 31 Oct 2025 23:04

Tgt Ion: 112
Sig Exp Ratio
112 100
64 75.9
63 41.7



Ion 64.00 (63.70 to 64.70): BG064668.D\data.ms

Ion 63.00 (62.70 to 63.70): BG064668.D\data.ms

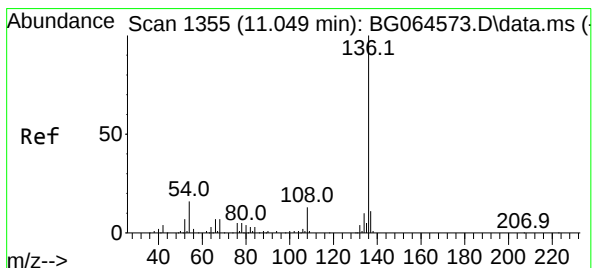
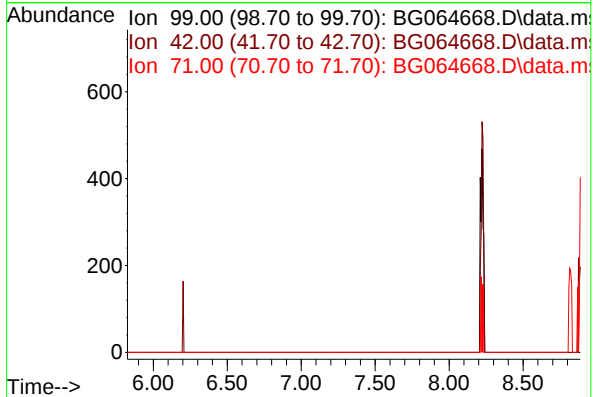


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 7.36 min
 Lab File: BG064668.D
 Acq: 31 Oct 2025 23:04

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion: 99

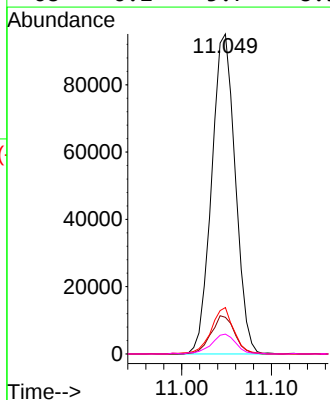
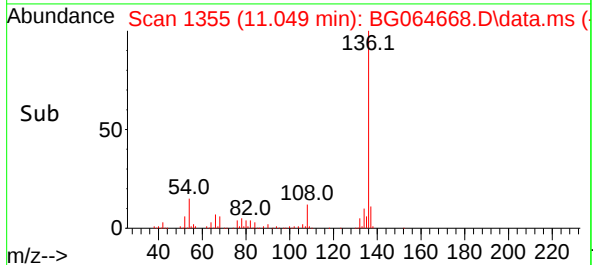
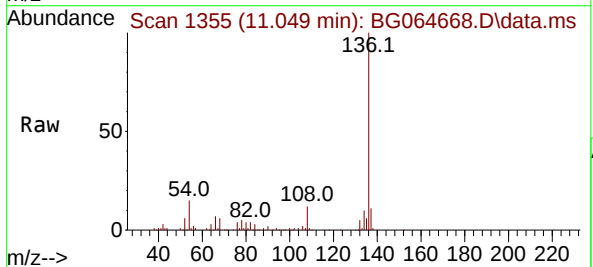
Sig	Exp Ratio
99	100
42	22.9
71	35.8

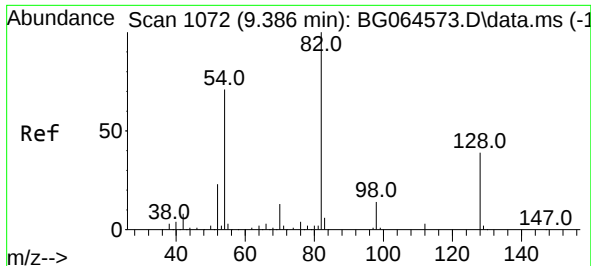


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.049 min Scan# 1355
 Delta R.T. -0.004 min
 Lab File: BG064668.D
 Acq: 31 Oct 2025 23:04

Tgt Ion: 136 Resp: 173807

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	14.5	12.6	19.0
68	6.2	5.7	8.5





#23

Nitrobenzene-d5

Concen: 0.776 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.010 min

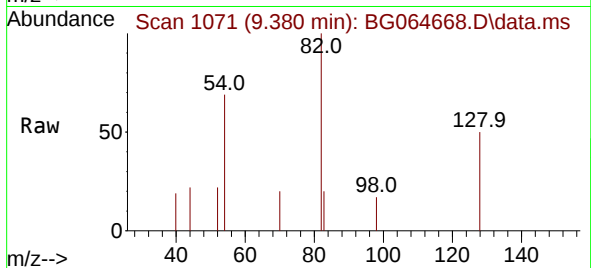
Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

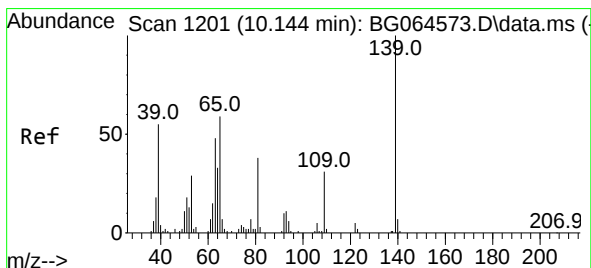
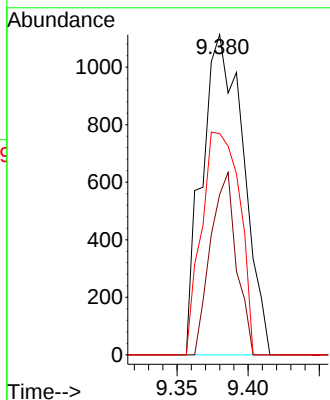
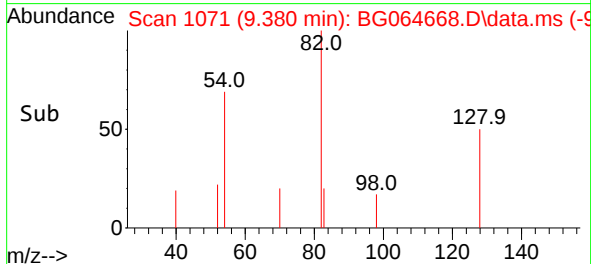
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	82	Resp:	2246
Ion	Ratio	Lower	Upper
82	100		
128	50.0	31.3	46.9#
54	69.1	56.6	84.8



#26

2-Nitrophenol

Concen: 3.175 ng

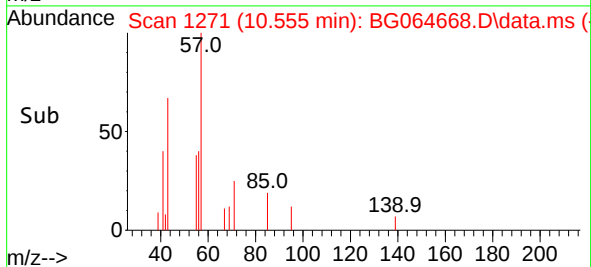
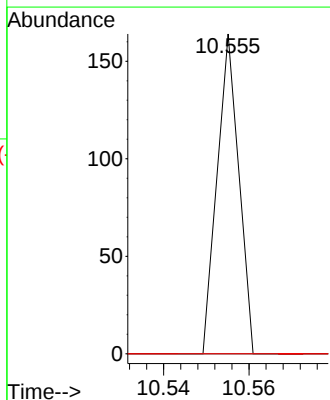
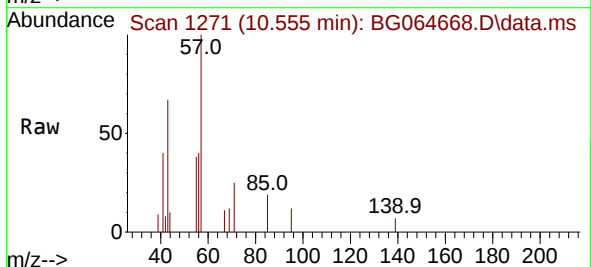
RT: 10.555 min Scan# 1271

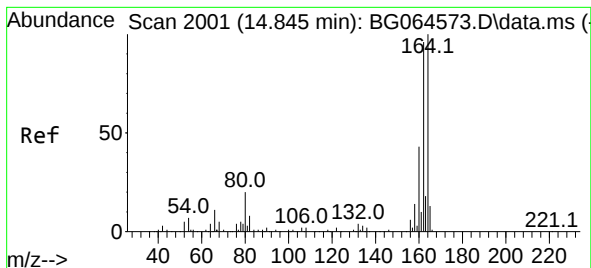
Delta R.T. 0.407 min

Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

Tgt Ion:	139	Resp:	58
Ion	Ratio	Lower	Upper
139	100		
109	0.0	24.6	37.0#
65	0.0	47.5	71.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.844 min Scan# 2001

Delta R.T. 0.002 min

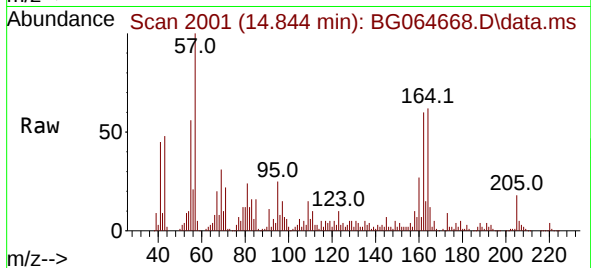
Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

Instrument :

BNA_G

ClientSampleId :



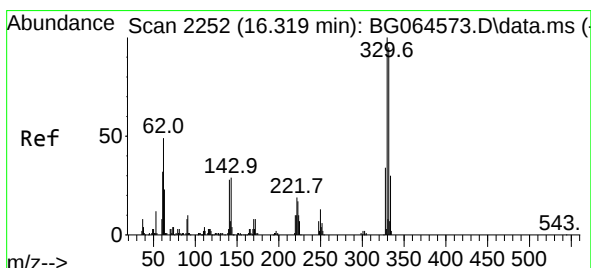
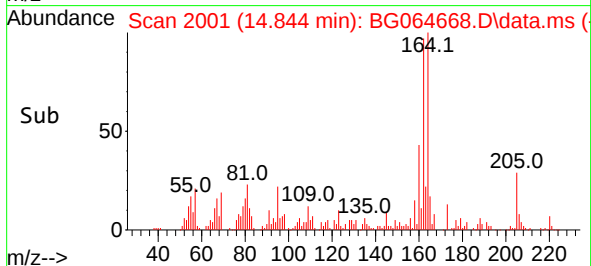
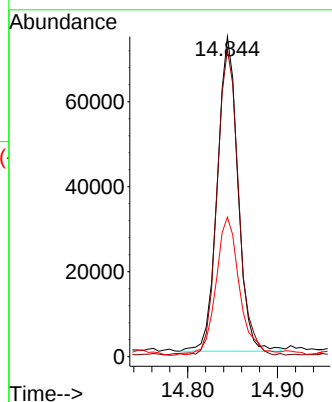
Tgt Ion:164 Resp: 117672

Ion Ratio Lower Upper

164 100

162 96.0 77.0 115.6

160 43.6 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 6.211 ng

RT: 16.325 min Scan# 2253

Delta R.T. 0.002 min

Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

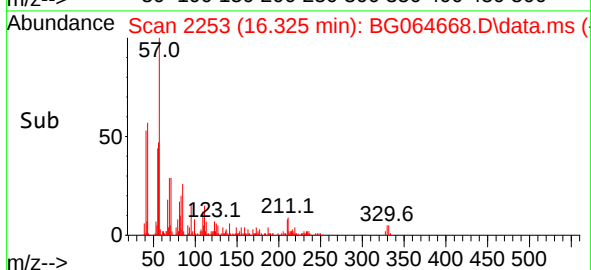
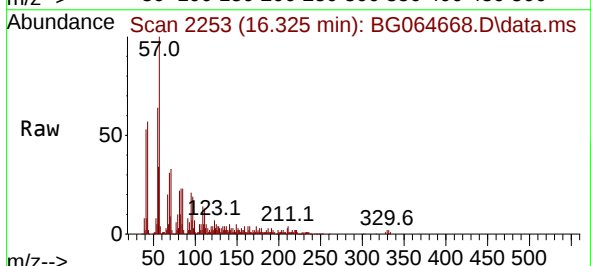
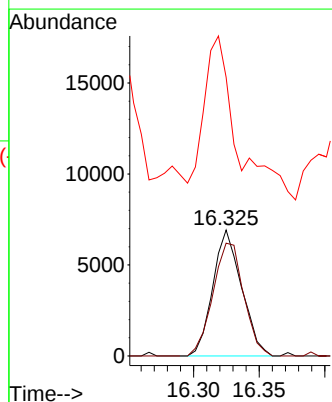
Tgt Ion:330 Resp: 10549

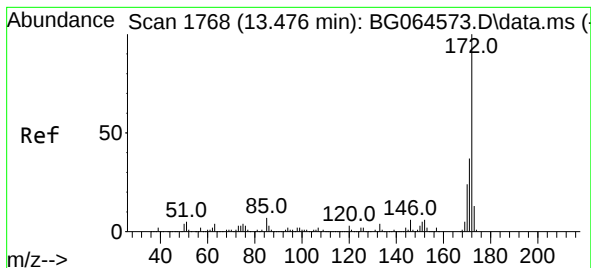
Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

141 149.4 21.8 32.6#





#45

2-Fluorobiphenyl

Concen: 4.236 ng

RT: 13.469 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG064668.D

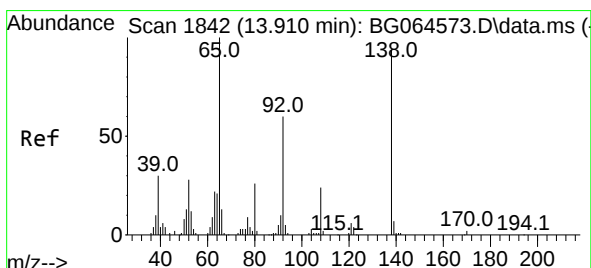
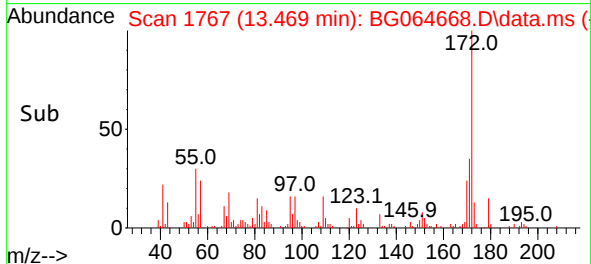
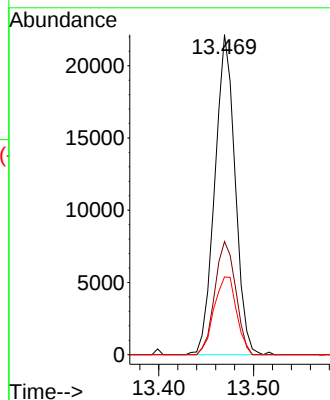
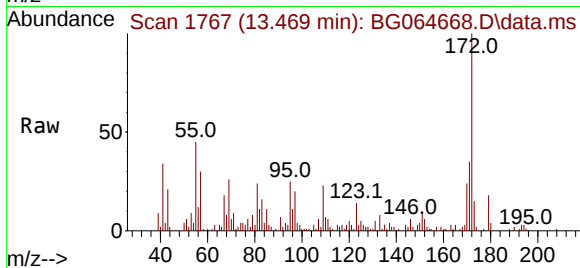
Acq: 31 Oct 2025 23:04

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:172	Resp:	32885
Ion Ratio	Lower	Upper
172	100	
171	35.4	29.4 44.0
170	24.3	19.1 28.7



#48

2-Nitroaniline

Concen: 3.380 ng

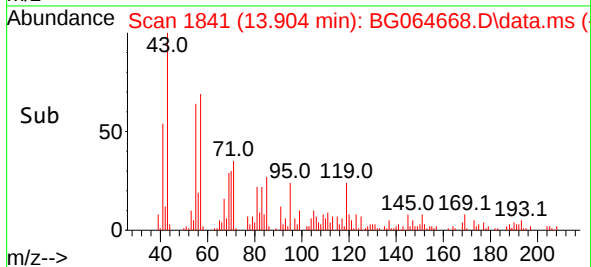
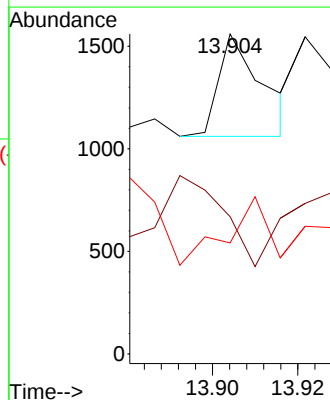
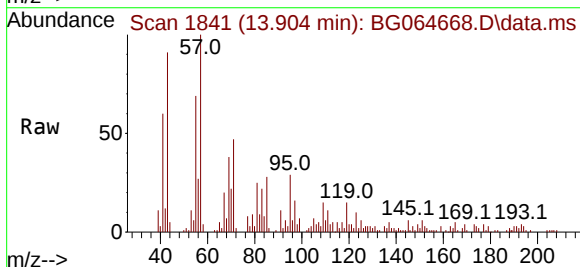
RT: 13.904 min Scan# 1841

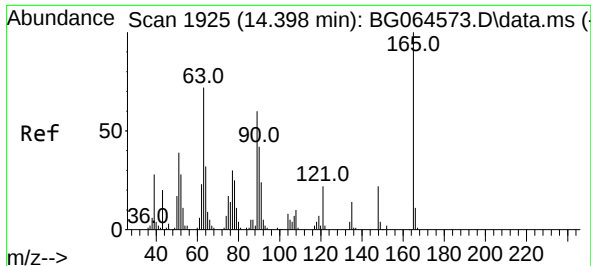
Delta R.T. -0.010 min

Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

Tgt Ion: 65	Resp:	353
Ion Ratio	Lower	Upper
65	100	
92	42.9	48.3 72.5#
138	34.7	74.9 112.3#





#51

2,6-Dinitrotoluene

Concen: 10.077 ng

RT: 14.380 min Scan# 1925

Delta R.T. -0.022 min

Lab File: BG064668.D

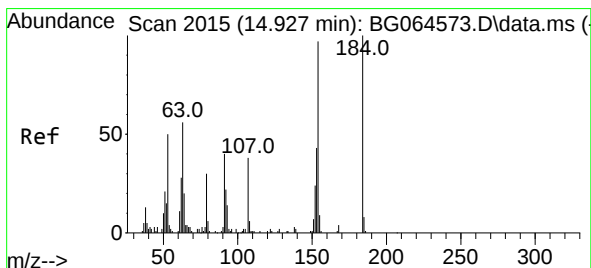
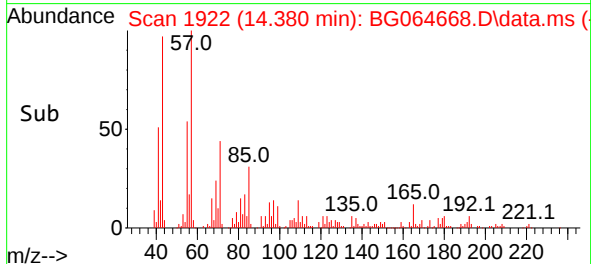
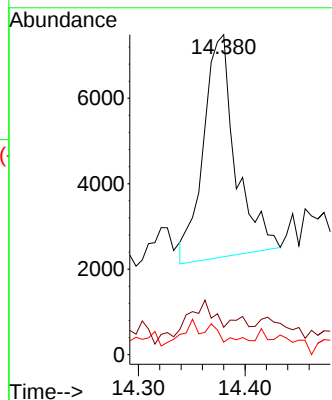
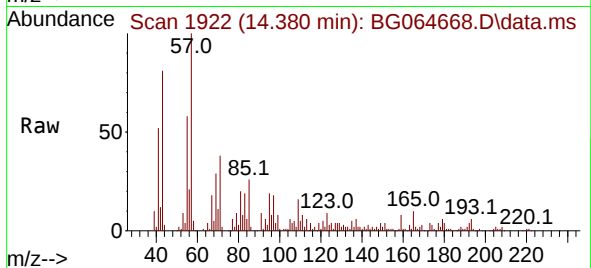
Acq: 31 Oct 2025 23:04

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:165	Resp:	10956
Ion Ratio	Lower	Upper
165	100	
63	8.5	57.4 86.0#
89	3.9	47.8 71.8#



#54

2,4-Dinitrophenol

Concen: 5.721 ng

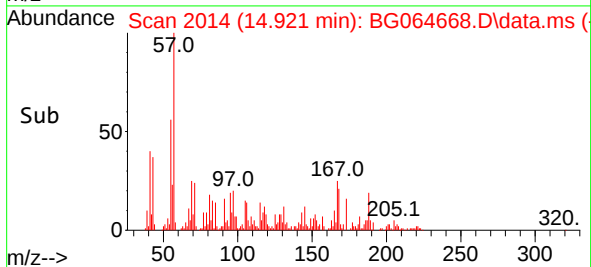
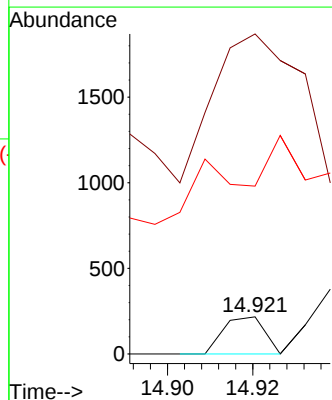
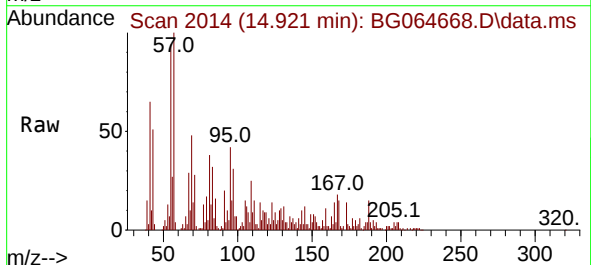
RT: 14.921 min Scan# 2014

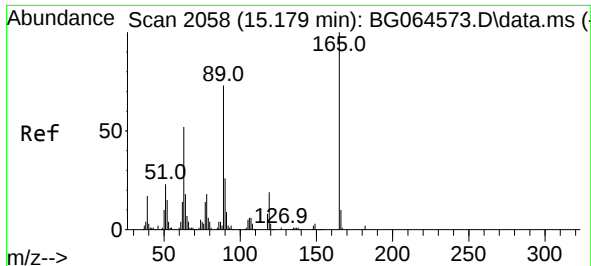
Delta R.T. -0.009 min

Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

Tgt Ion:184	Resp:	146
Ion Ratio	Lower	Upper
184	100	
63	861.3	56.6 85.0#
154	451.6	158.6 238.0#





#57

2,4-Dinitrotoluene

Concen: 4.226 ng

RT: 15.167 min Scan# 2058

Delta R.T. -0.022 min

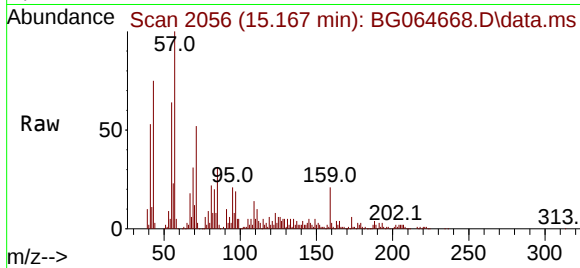
Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 2882

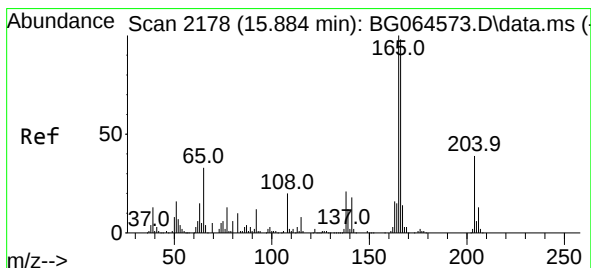
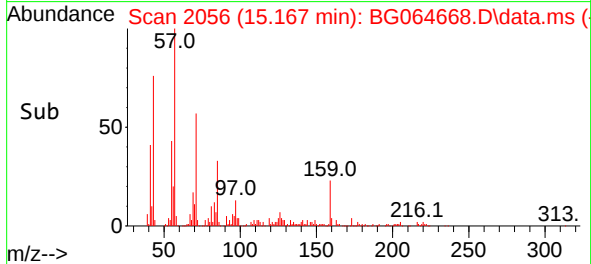
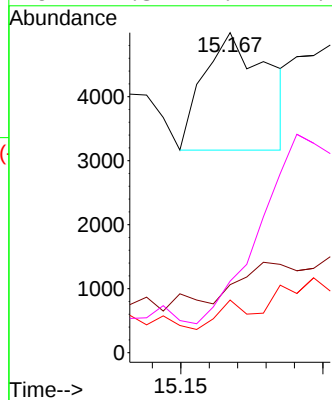
Ion Ratio Lower Upper

165 100

63 21.2 41.8 62.8#

89 16.5 58.1 87.1#

182 22.3 1.4 2.0#



#62

4-Nitroaniline

Concen: 5.839 ng

RT: 15.737 min Scan# 2153

Delta R.T. -0.157 min

Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

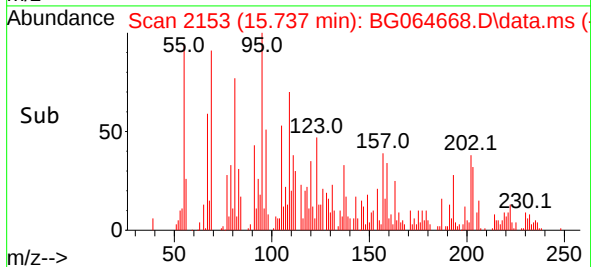
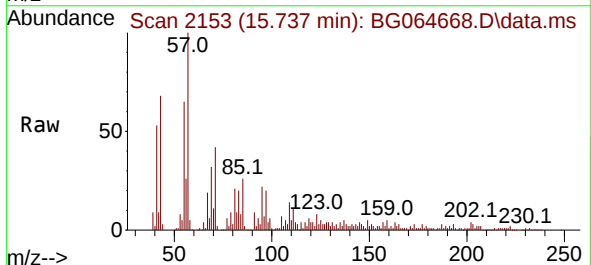
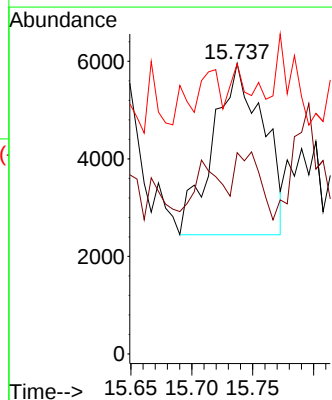
Tgt Ion:138 Resp: 10052

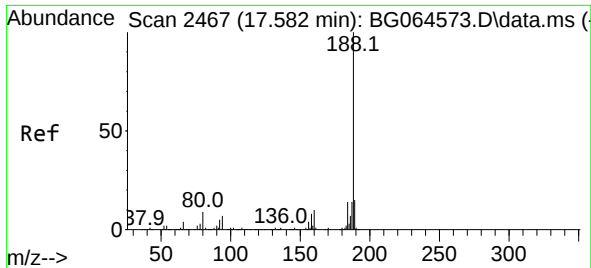
Ion Ratio Lower Upper

138 100

92 69.3 36.1 76.1

108 99.9 75.6 115.6

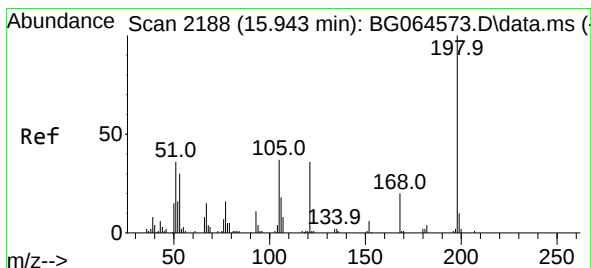
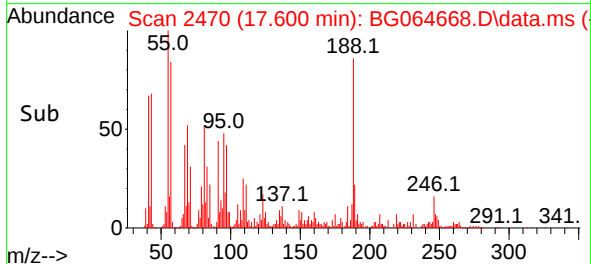
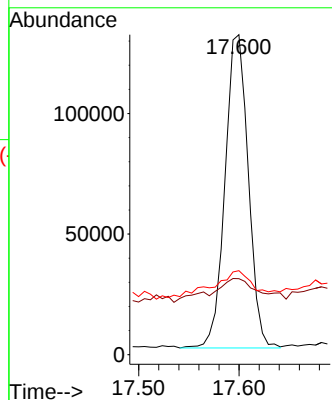
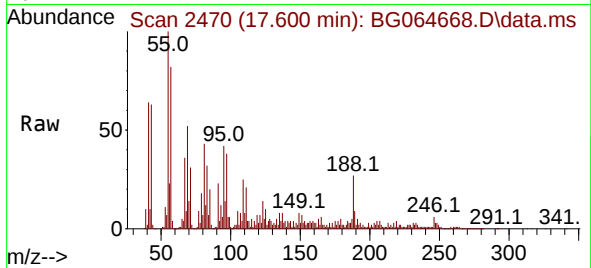




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.600 min Scan# 2467
Delta R.T. 0.020 min
Lab File: BG064668.D
Acq: 31 Oct 2025 23:04

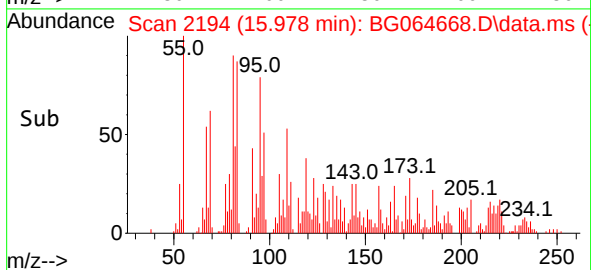
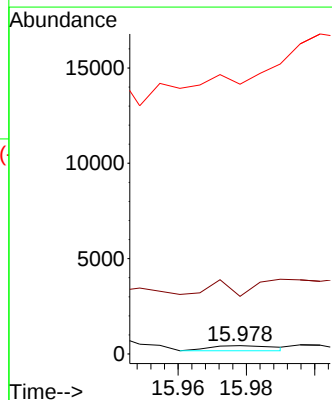
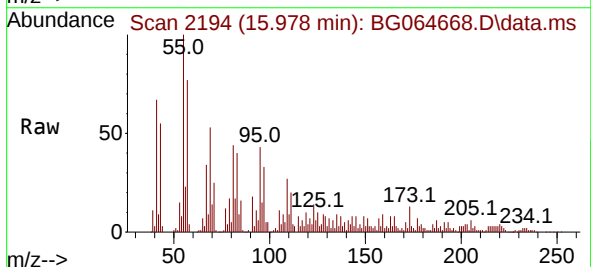
Instrument :
BNA_G
ClientSampleId :

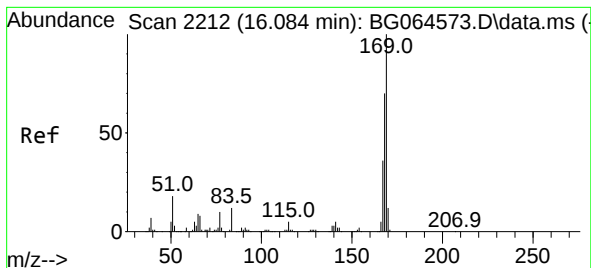
Tgt Ion:188 Resp: 209356
Ion Ratio Lower Upper
188 100
94 23.7 5.7 8.5#
80 26.2 6.8 10.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.764 ng
RT: 15.978 min Scan# 2194
Delta R.T. 0.031 min
Lab File: BG064668.D
Acq: 31 Oct 2025 23:04

Tgt Ion:198 Resp: 350
Ion Ratio Lower Upper
198 100
51 699.3 24.7 64.7#
105 3275.2 18.0 58.0#





#66

n-Nitrosodiphenylamine

Concen: 5.060 ng

RT: 16.102 min Scan# 21

Delta R.T. 0.014 min

Lab File: BG064668.D

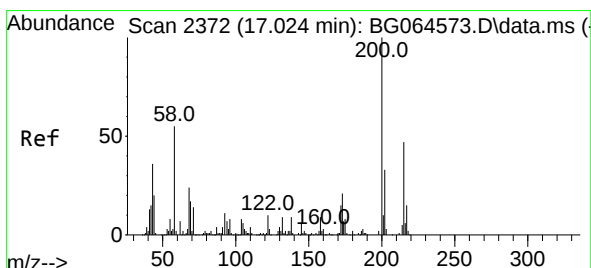
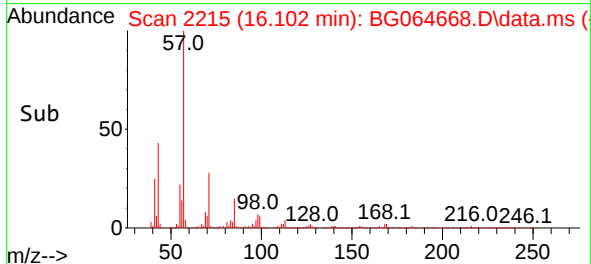
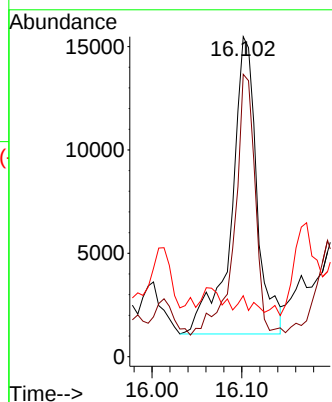
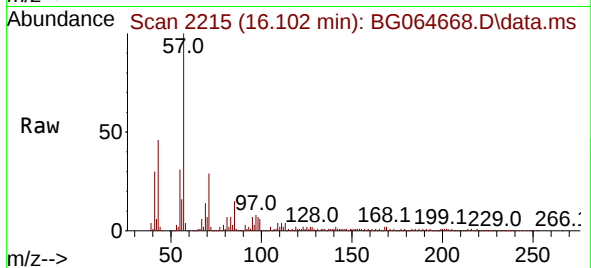
Acq: 31 Oct 2025 23:04

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:169 Resp: 28617
 Ion Ratio Lower Upper
 169 100
 168 88.2 56.3 84.5#
 167 19.0 29.0 43.6#



#69

Atrazine

Concen: 3.017 ng

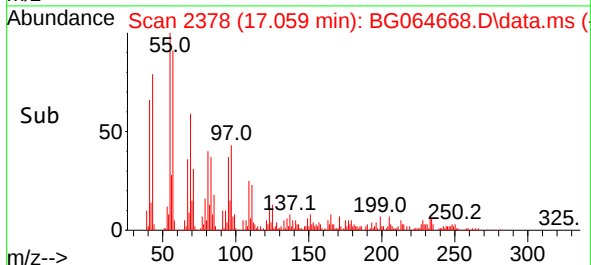
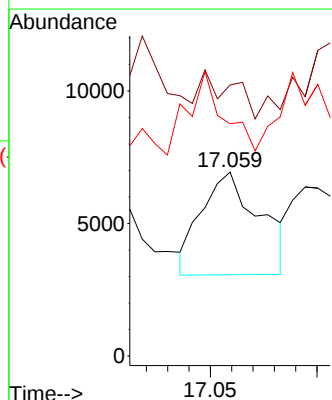
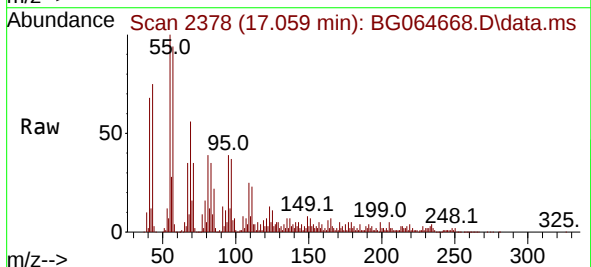
RT: 17.059 min Scan# 2378

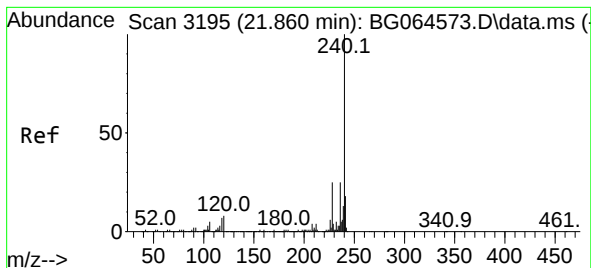
Delta R.T. 0.031 min

Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

Tgt Ion:200 Resp: 7342
 Ion Ratio Lower Upper
 200 100
 173 147.5 0.9 40.9#
 215 126.3 27.0 67.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.883 min Scan# 31

Delta R.T. 0.020 min

Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

Instrument :

BNA_G

ClientSampleId :

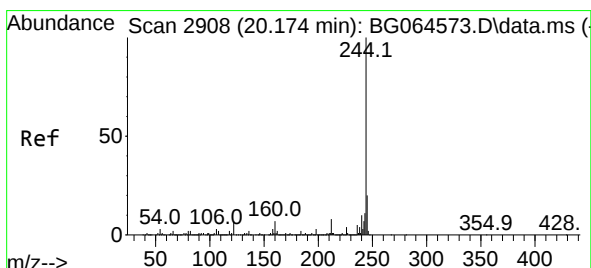
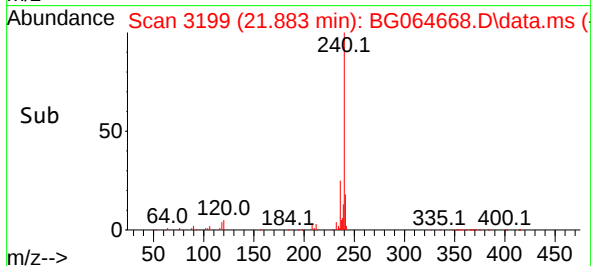
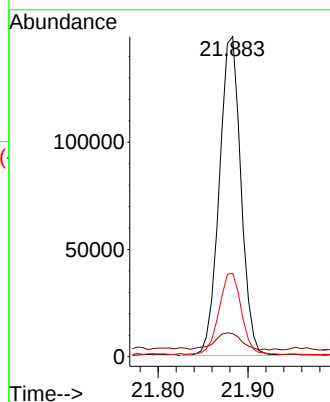
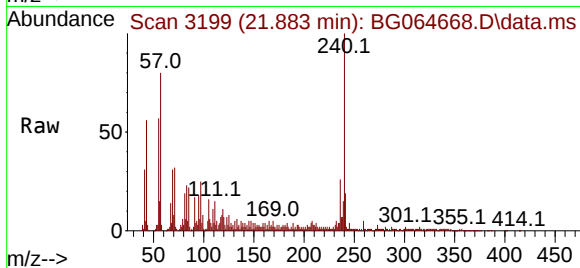
Tgt Ion:240 Resp: 249058

Ion Ratio Lower Upper

240 100

120 7.2 6.5 9.7

236 26.1 20.2 30.2



#79

Terphenyl-d14

Concen: 5.042 ng

RT: 20.197 min Scan# 2912

Delta R.T. 0.020 min

Lab File: BG064668.D

Acq: 31 Oct 2025 23:04

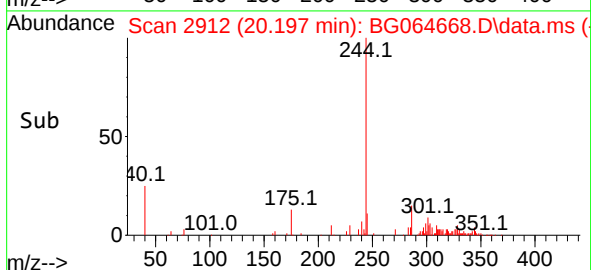
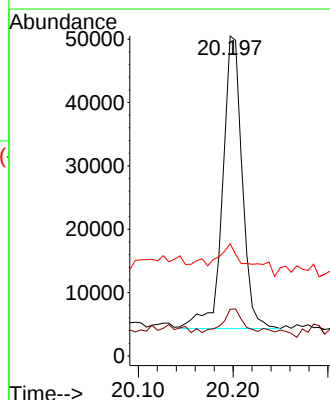
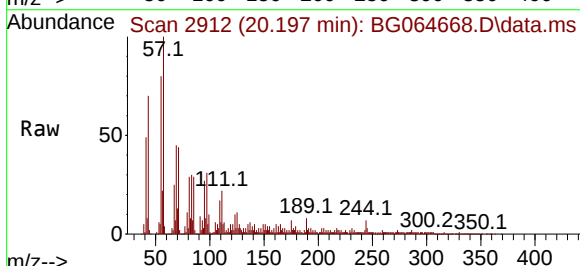
Tgt Ion:244 Resp: 66540

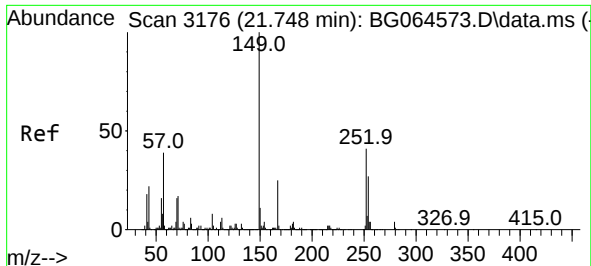
Ion Ratio Lower Upper

244 100

212 14.6 6.1 9.1#

122 35.0 5.6 8.4#

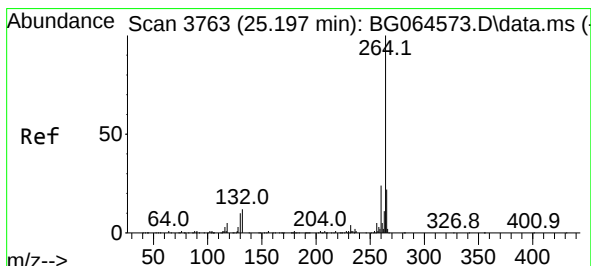
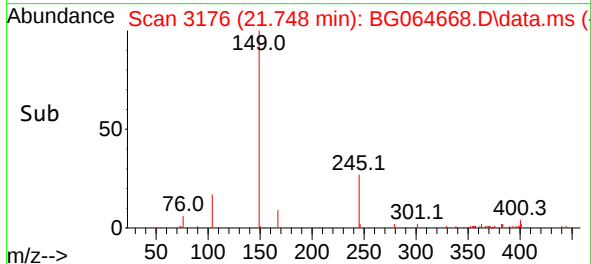
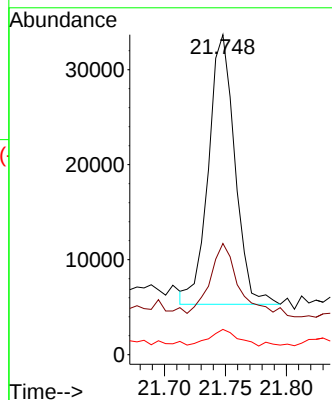
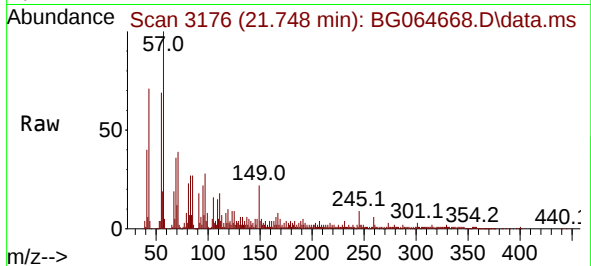




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.824 ng
 RT: 21.748 min Scan# 3176
 Delta R.T. -0.004 min
 Lab File: BG064668.D
 Acq: 31 Oct 2025 23:04

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:149 Resp: 42797
 Ion Ratio Lower Upper
 149 100
 167 34.7 20.0 30.0#
 279 7.9 3.1 4.7#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.209 min Scan# 3765
 Delta R.T. 0.008 min
 Lab File: BG064668.D
 Acq: 31 Oct 2025 23:04

Tgt Ion:264 Resp: 300101
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 21.6 17.6 26.4

