

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064609.D
 Acq On : 28 Oct 2025 19:57
 Operator : RC/JU
 Sample : Q3376-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR132-S12-020047-20251016

Quant Time: Oct 29 00:58:18 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)

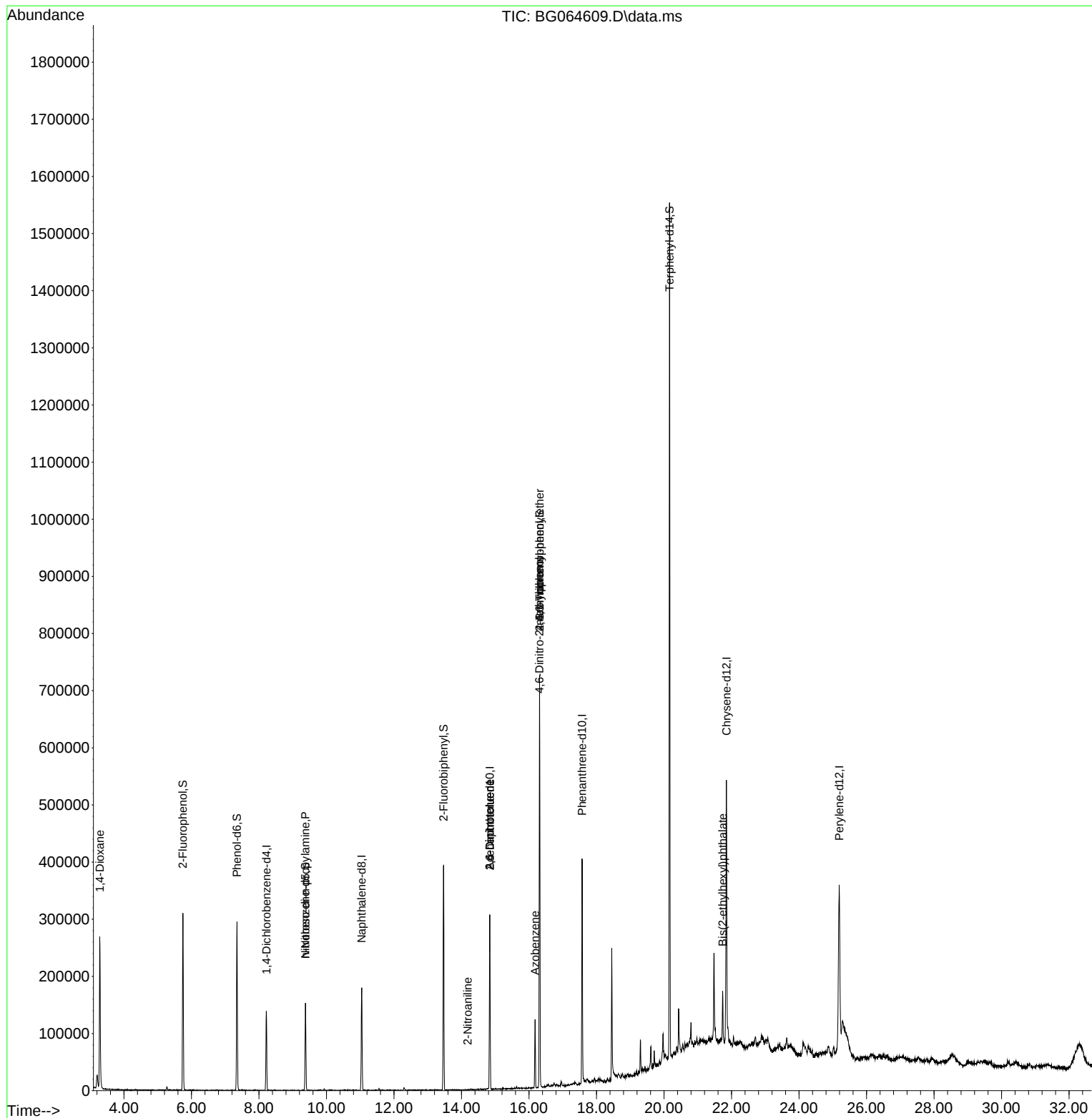
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	37243	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	140181	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	106965	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	249913	20.000	ng	0.00
76) Chrysene-d12	21.848	240	291786	20.000	ng	-0.02
86) Perylene-d12	25.191	264	320360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	122857	55.370	ng	0.00
7) Phenol-d6	7.347	99	149591	49.132	ng	0.00
23) Nitrobenzene-d5	9.374	82	80593	34.531	ng	-0.02
42) 2,4,6-Tribromophenol	16.313	330	145693	94.371	ng	0.00
45) 2-Fluorobiphenyl	13.464	172	207732	29.437	ng	-0.02
79) Terphenyl-d14	20.162	244	780618	50.488	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.282	88	2378	2.421	ng	# 1
19) n-Nitroso-di-n-propyla...	9.374	70	11623	5.524	ng	# 71
48) 2-Nitroaniline	14.181	65	67	3.257	ng	# 10
51) 2,6-Dinitrotoluene	14.839	165	13783	12.720	ng	# 18
57) 2,4-Dinitrotoluene	14.839	165	13783	9.232	ng	# 21
63) Azobenzene	16.178	77	32689	4.263	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.308	198	195	5.584	ng	81
67) 4-Bromophenyl-phenylether	16.313	248	9202	3.107	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.736	149	31971	3.713	ng	99

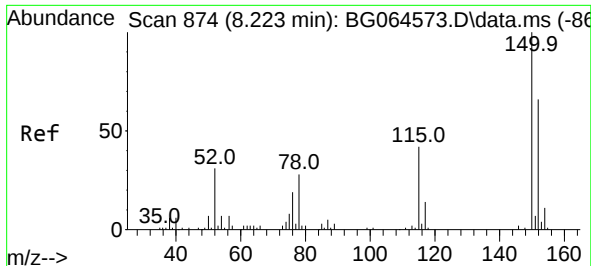
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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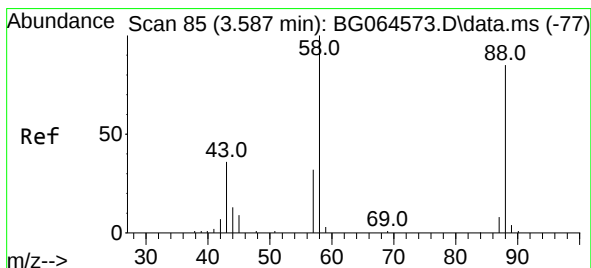
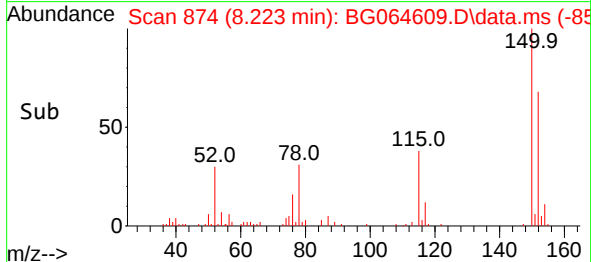
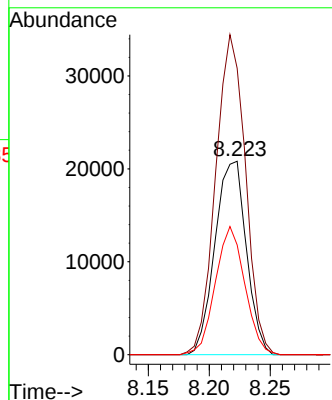
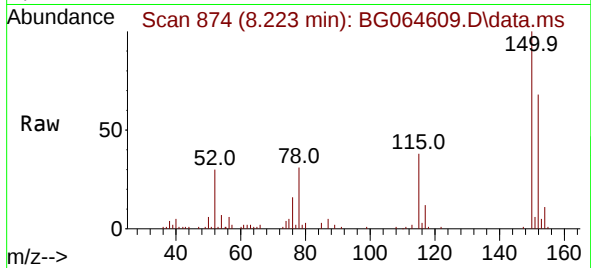




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

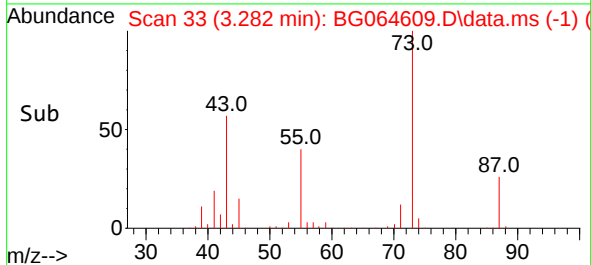
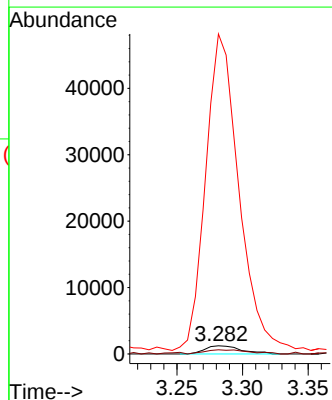
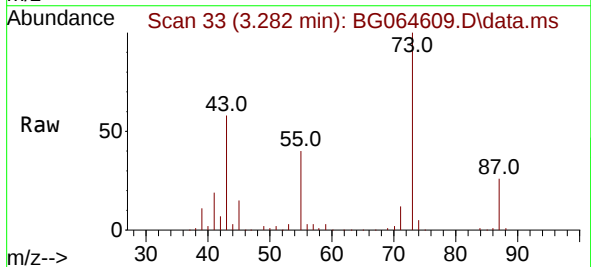
Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

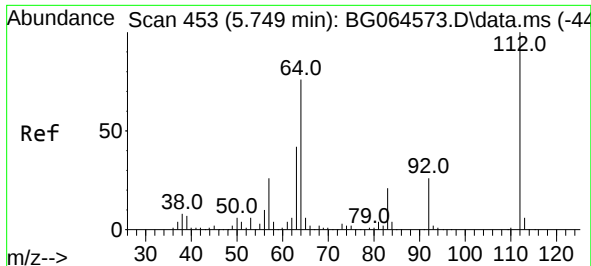
Tgt Ion:152 Resp: 37243
Ion Ratio Lower Upper
152 100
150 148.1 122.2 183.4
115 56.7 50.8 76.2



#2
1,4-Dioxane
Concen: 2.421 ng
RT: 3.282 min Scan# 33
Delta R.T. -0.309 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion: 88 Resp: 2378
Ion Ratio Lower Upper
88 100
58 61.6 92.4 138.6#
43 3599.4 33.0 49.6#

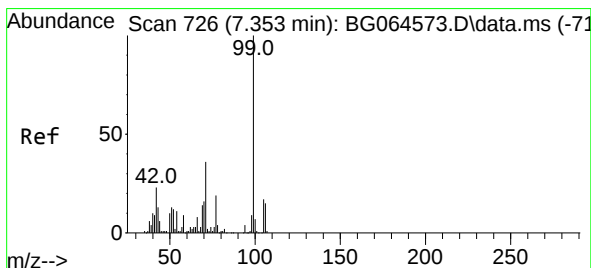
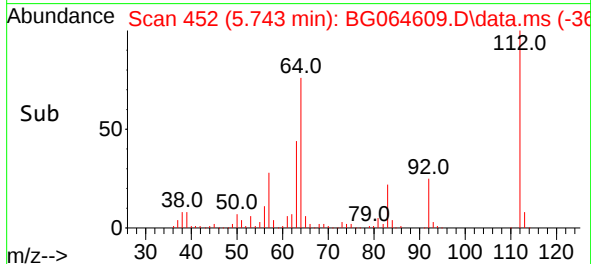
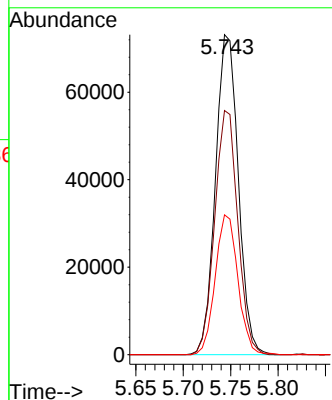
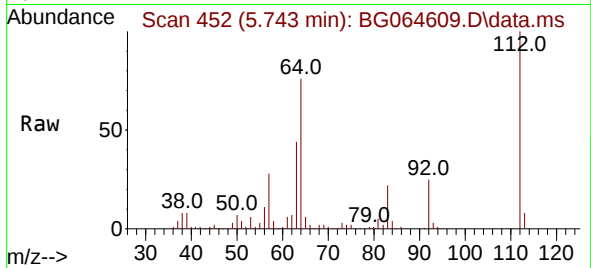




#5
2-Fluorophenol
Concen: 55.370 ng
RT: 5.743 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

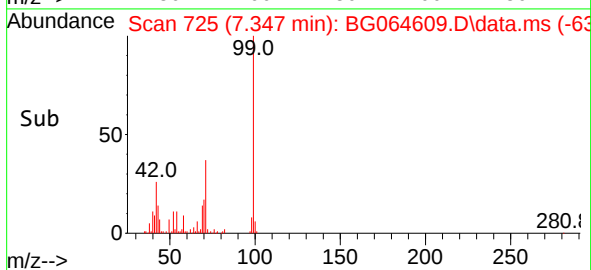
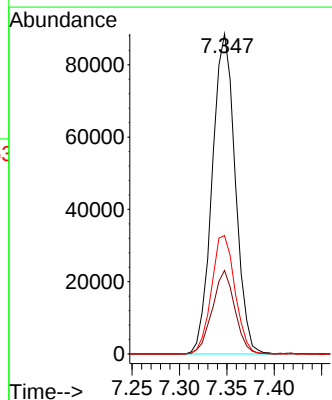
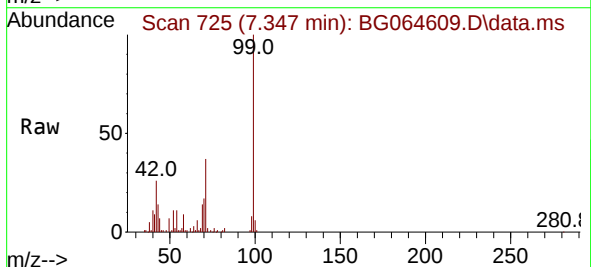
Instrument :
BNA_G
ClientSampleId :
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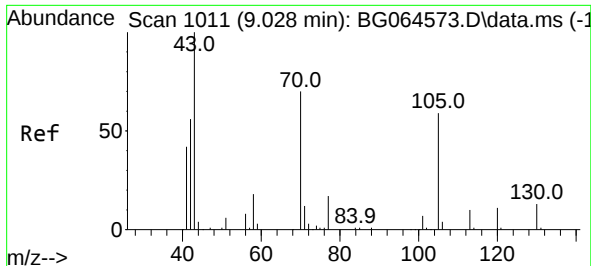
Tgt Ion:112 Resp: 122857
Ion Ratio Lower Upper
112 100
64 76.3 60.7 91.1
63 43.7 33.4 50.0



#7
Phenol-d6
Concen: 49.132 ng
RT: 7.347 min Scan# 725
Delta R.T. -0.009 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion: 99 Resp: 149591
Ion Ratio Lower Upper
99 100
42 26.1 18.3 27.5
71 37.0 28.6 43.0

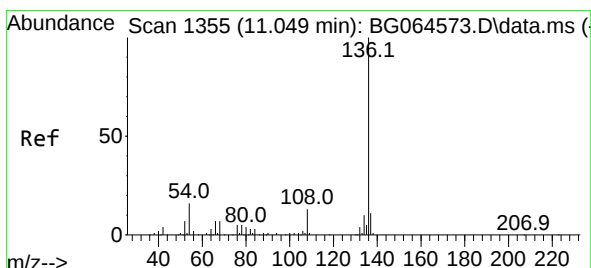
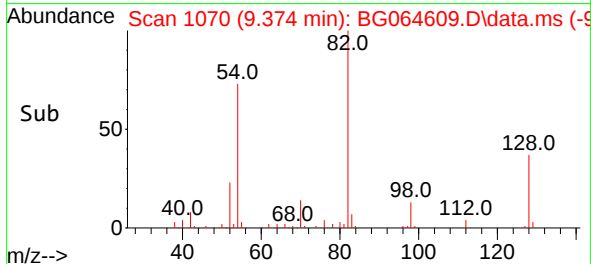
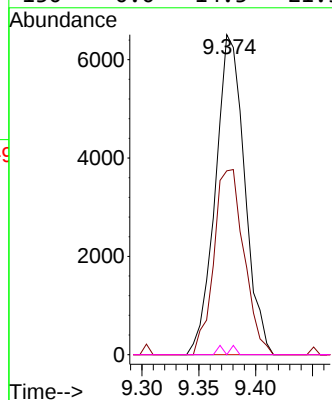
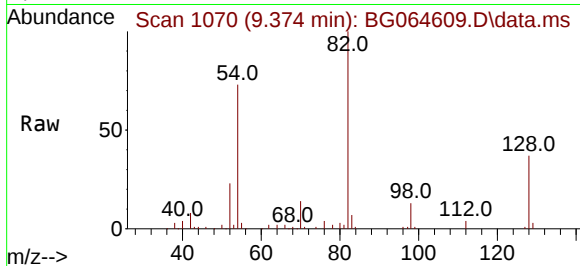




#19
n-Nitroso-di-n-propylamine
Concen: 5.524 ng
RT: 9.374 min Scan# 1011
Delta R.T. 0.343 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

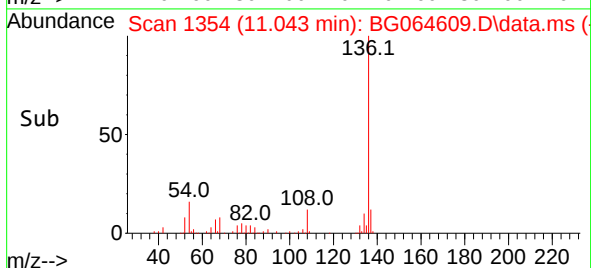
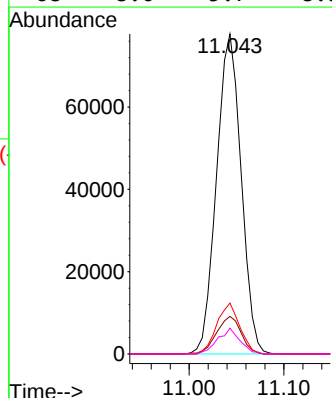
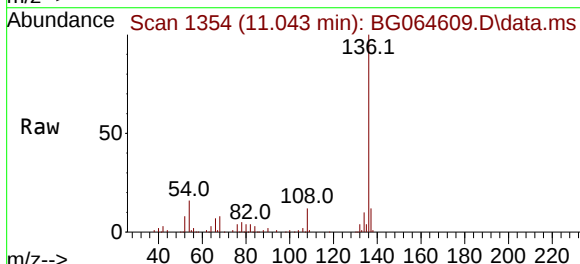
Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

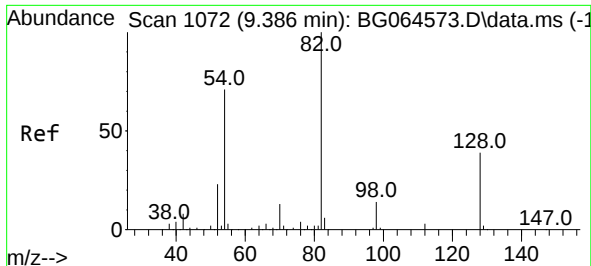
Tgt Ion:	70	Resp:	11623
Ion	Ratio	Lower	Upper
70	100		
42	57.5	65.2	97.8#
101	0.0	7.9	11.9#
130	0.0	14.3	21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:	136	Resp:	140181
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	15.9	12.6	19.0
68	8.0	5.7	8.5





#23

Nitrobenzene-d5

Concen: 34.531 ng

RT: 9.374 min Scan# 1072

Delta R.T. -0.016 min

Lab File: BG064609.D

Acq: 28 Oct 2025 19:57

Instrument :

BNA_G

ClientSampleId :

PR132-S12-020047-20251016

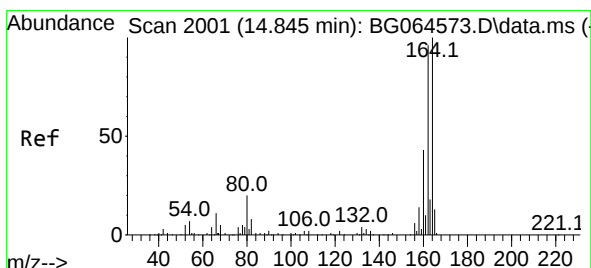
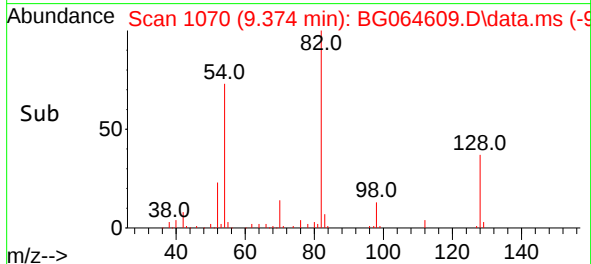
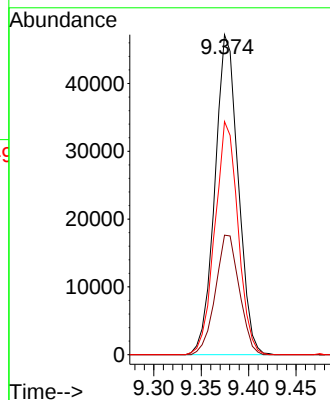
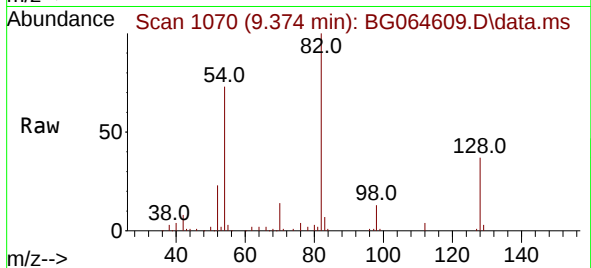
Tgt Ion: 82 Resp: 80593

Ion Ratio Lower Upper

82 100

128 37.4 31.3 46.9

54 72.9 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.004 min

Lab File: BG064609.D

Acq: 28 Oct 2025 19:57

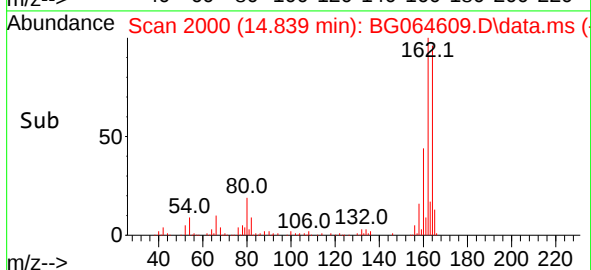
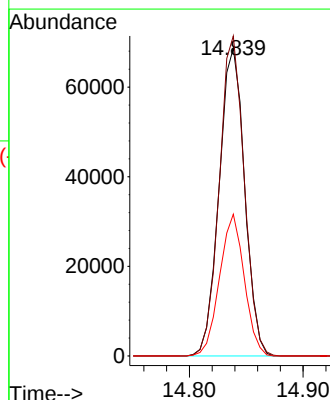
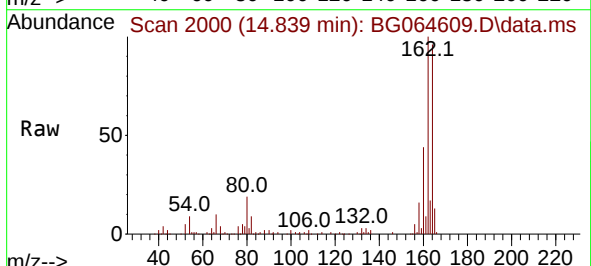
Tgt Ion: 164 Resp: 106965

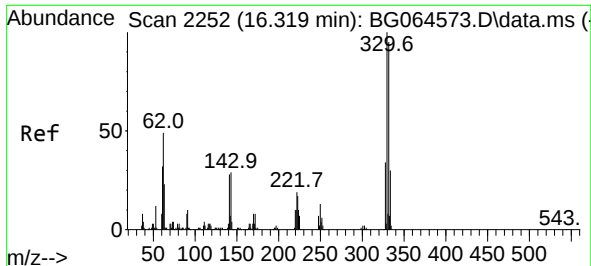
Ion Ratio Lower Upper

164 100

162 103.9 77.0 115.6

160 46.1 34.4 51.6

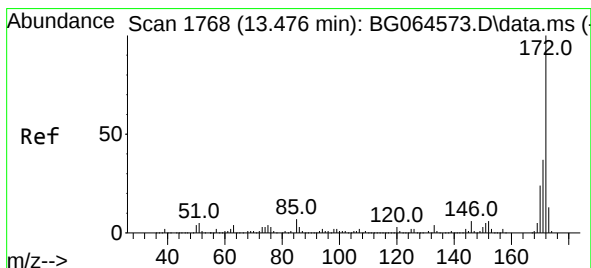
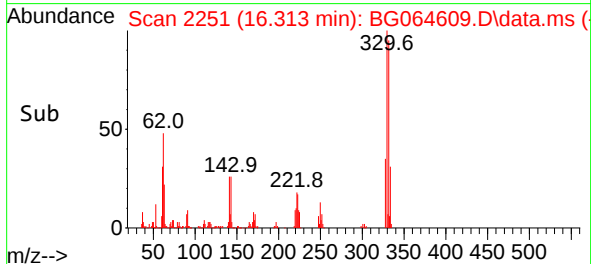
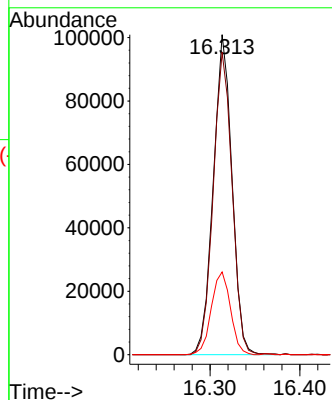
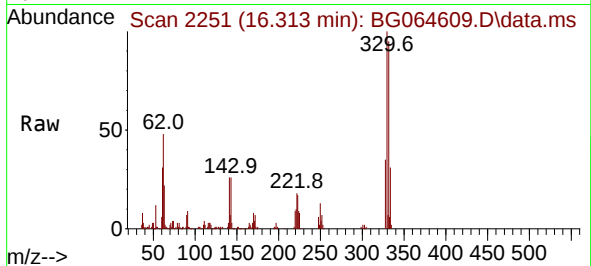




#42
2,4,6-Tribromophenol
Concen: 94.371 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

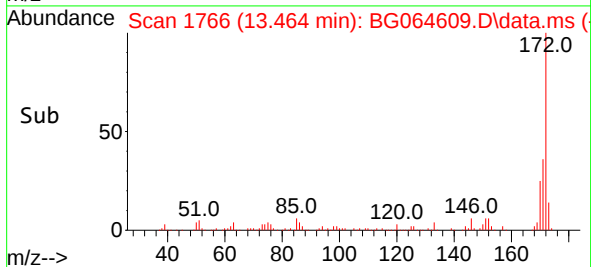
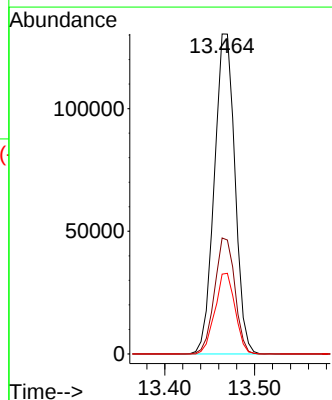
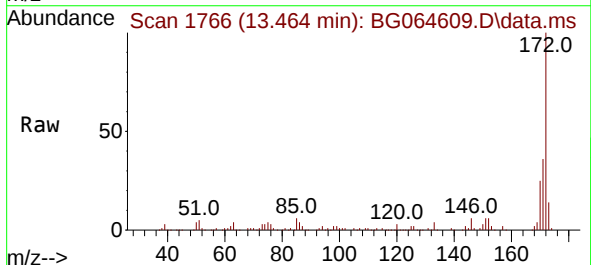
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BNA_G
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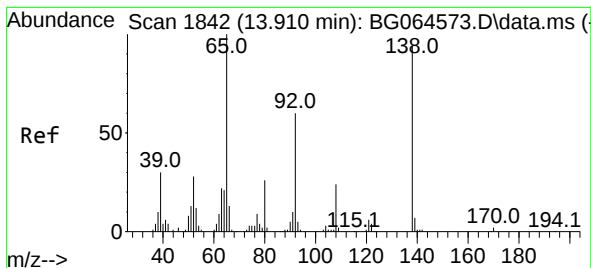
Tgt Ion:330 Resp: 145693
Ion Ratio Lower Upper
330 100
332 95.5 78.0 117.0
141 26.5 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 29.437 ng
RT: 13.464 min Scan# 1766
Delta R.T. -0.015 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:172 Resp: 207732
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 25.0 19.1 28.7





#48

2-Nitroaniline

Concen: 3.257 ng

RT: 14.181 min Scan# 1

Delta R.T. 0.267 min

Lab File: BG064609.D

Acq: 28 Oct 2025 19:57

Instrument :

BNA_G

ClientSampleId :

PR132-S12-020047-20251016

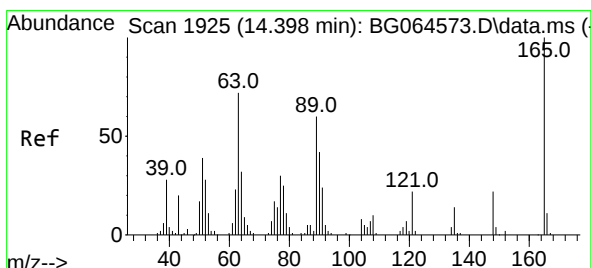
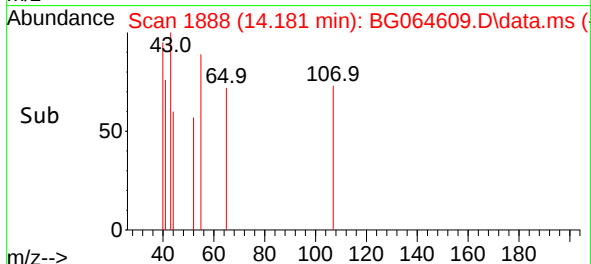
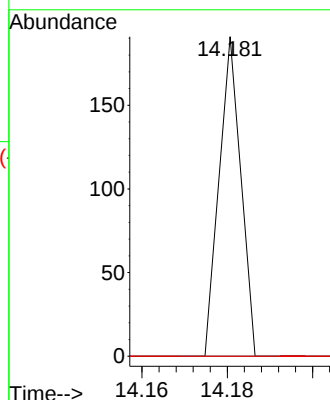
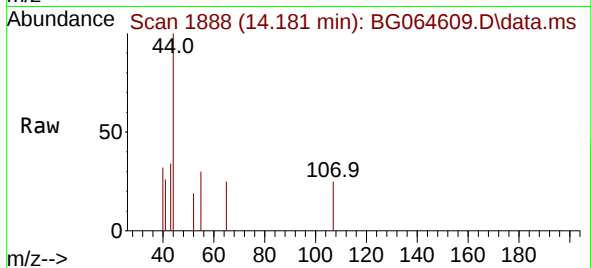
Tgt Ion: 65 Resp: 67

Ion Ratio Lower Upper

65 100

92 0.0 48.3 72.5#

138 0.0 74.9 112.3#



#51

2,6-Dinitrotoluene

Concen: 12.720 ng

RT: 14.839 min Scan# 2000

Delta R.T. 0.437 min

Lab File: BG064609.D

Acq: 28 Oct 2025 19:57

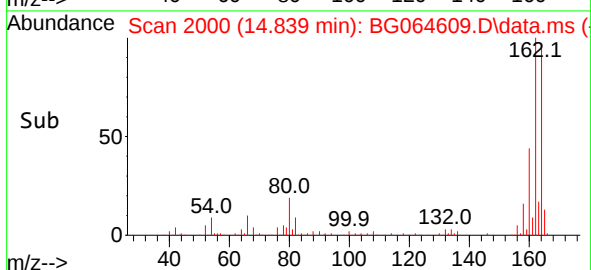
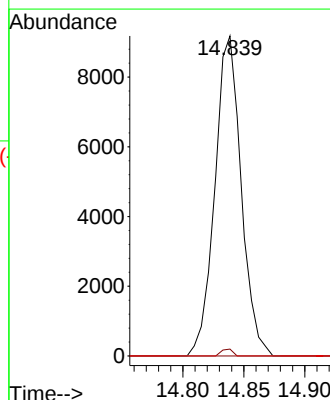
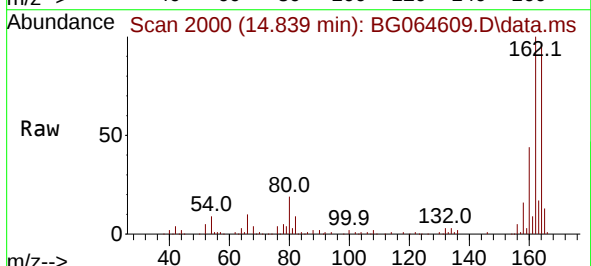
Tgt Ion: 165 Resp: 13783

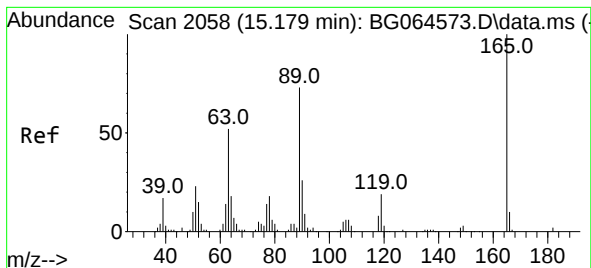
Ion Ratio Lower Upper

165 100

63 2.1 57.4 86.0#

89 0.0 47.8 71.8#

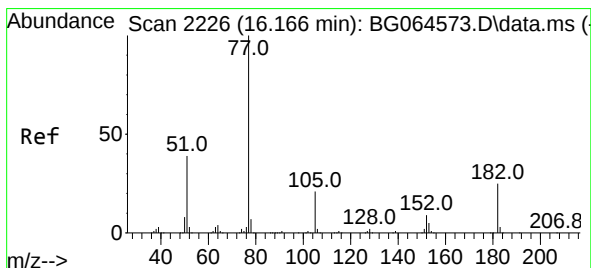
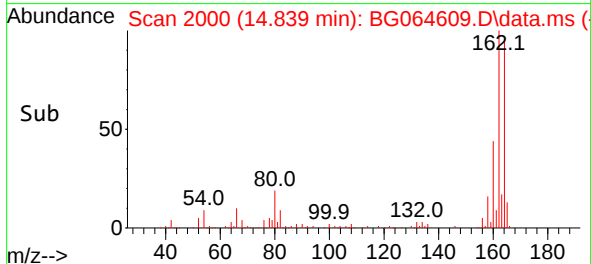
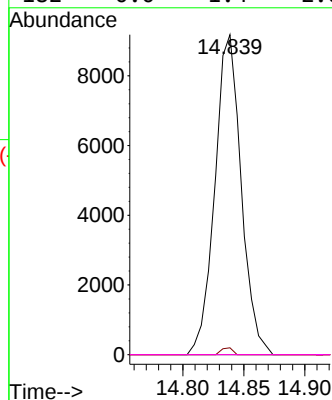
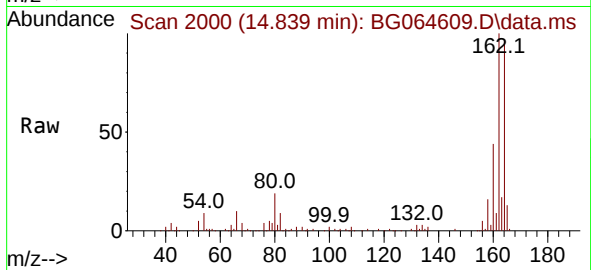




#57
2,4-Dinitrotoluene
Concen: 9.232 ng
RT: 14.839 min Scan# 2058
Delta R.T. -0.350 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

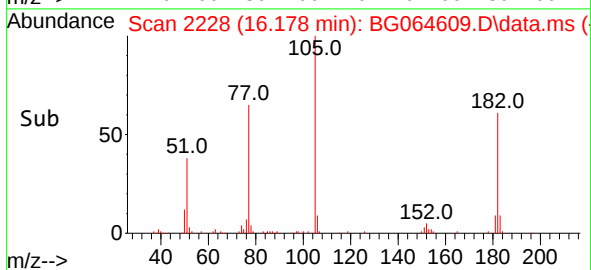
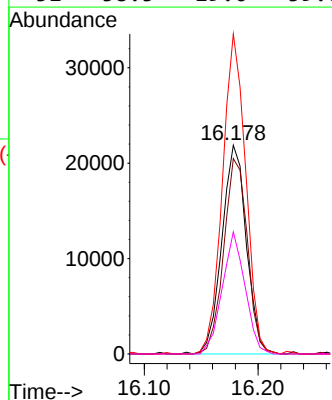
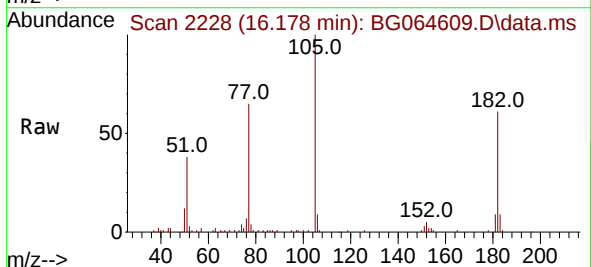
Instrument :
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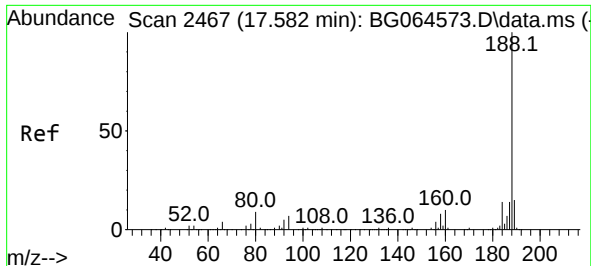
Tgt Ion:	165	Resp:	13783
Ion	Ratio	Lower	Upper
165	100		
63	2.1	41.8	62.8#
89	0.0	58.1	87.1#
182	0.0	1.4	2.0#



#63
Azobenzene
Concen: 4.263 ng
RT: 16.178 min Scan# 2228
Delta R.T. 0.008 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:	77	Resp:	32689
Ion	Ratio	Lower	Upper
77	100		
182	93.6	4.9	44.9#
105	153.3	1.3	41.3#
51	58.5	19.0	59.0

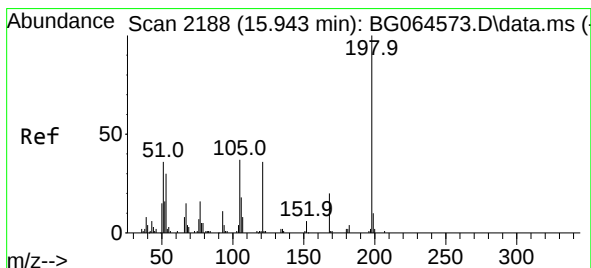
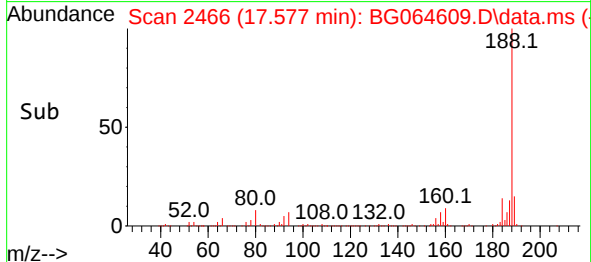
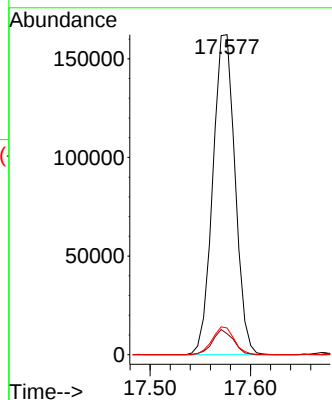
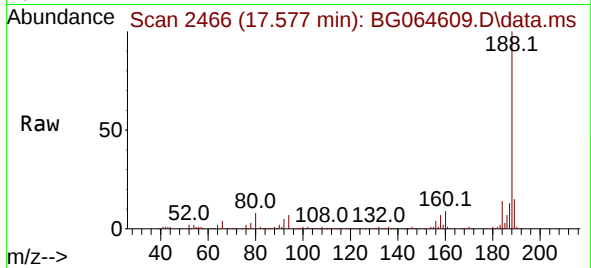




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

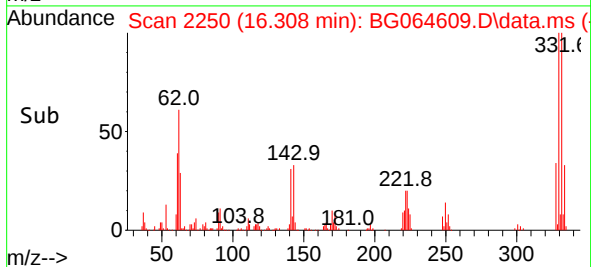
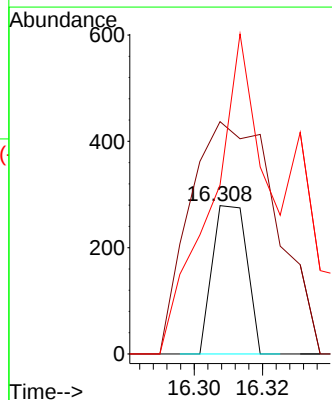
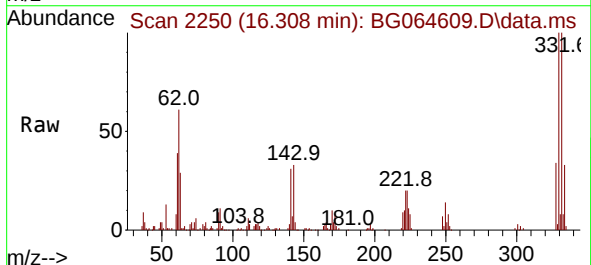
Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

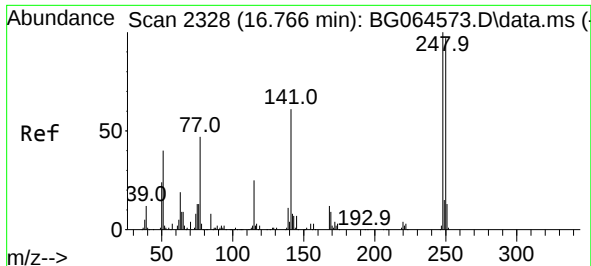
Tgt Ion:188 Resp: 249913
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 8.4 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.584 ng
RT: 16.308 min Scan# 2250
Delta R.T. 0.361 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:198 Resp: 195
Ion Ratio Lower Upper
198 100
51 34.2 24.7 64.7
105 24.9 18.0 58.0

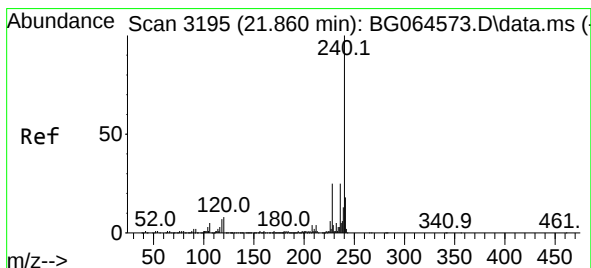
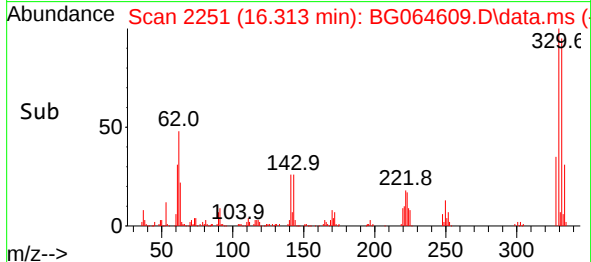
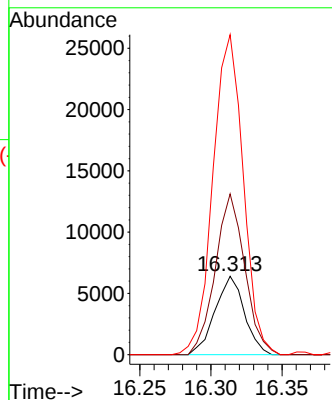
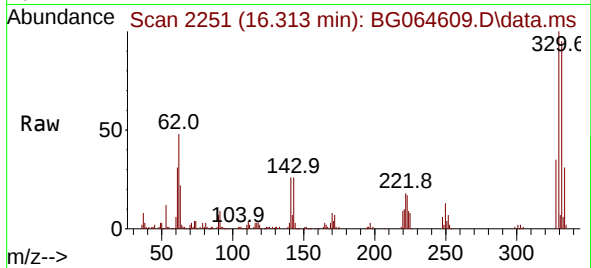




#67
4-Bromophenyl-phenylether
Concen: 3.107 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.456 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

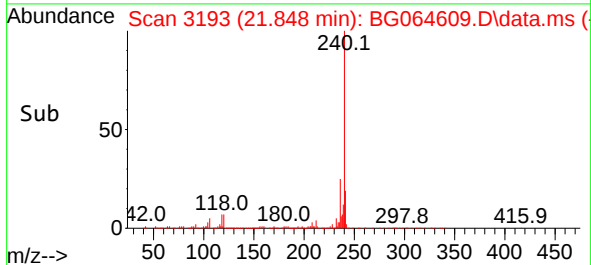
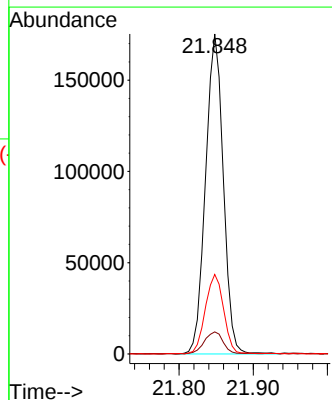
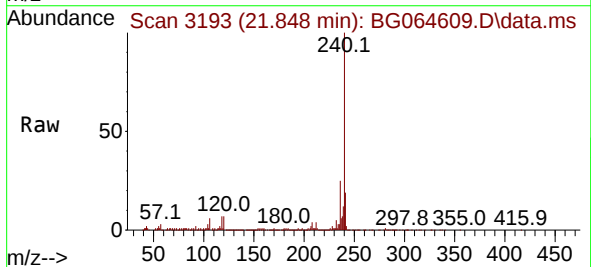
Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

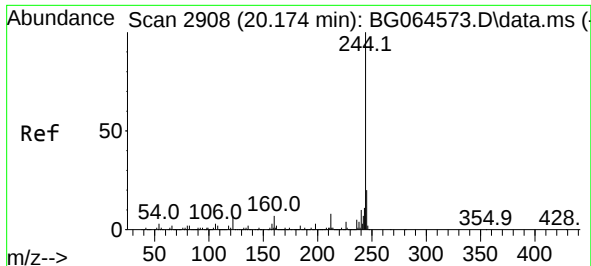
Tgt Ion:248 Resp: 9202
Ion Ratio Lower Upper
248 100
250 205.0 77.7 116.5#
141 309.9 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:240 Resp: 291786
Ion Ratio Lower Upper
240 100
120 6.9 6.5 9.7
236 24.9 20.2 30.2

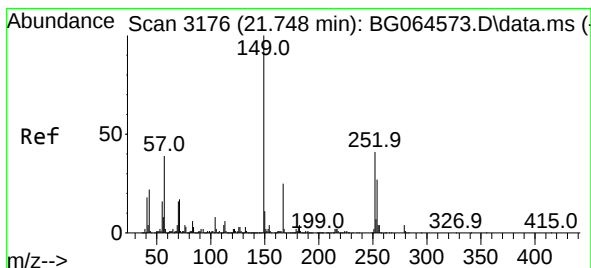
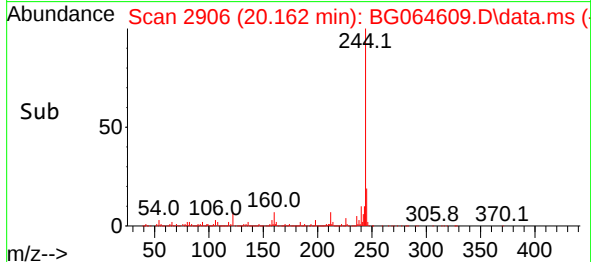
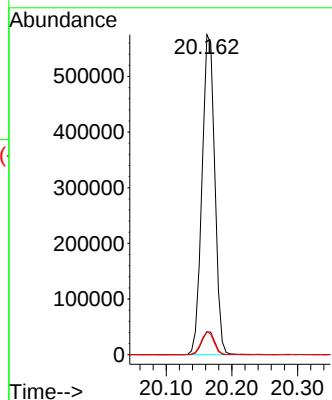
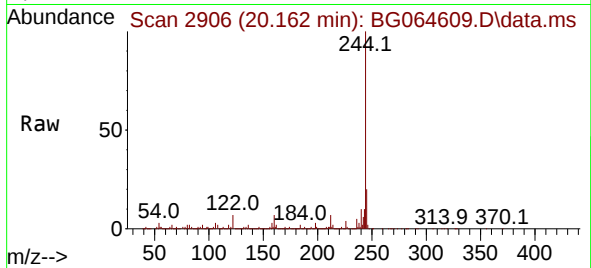




#79
 Terphenyl-d14
 Concen: 50.488 ng
 RT: 20.162 min Scan# 2906
 Delta R.T. -0.015 min
 Lab File: BG064609.D
 Acq: 28 Oct 2025 19:57

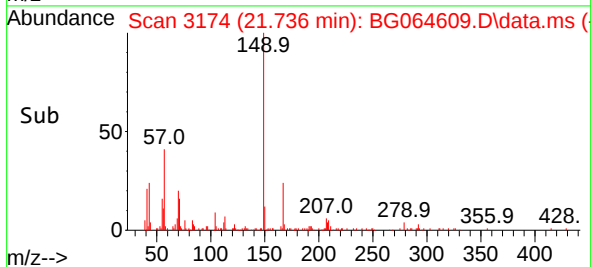
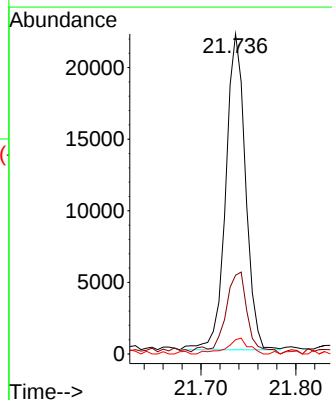
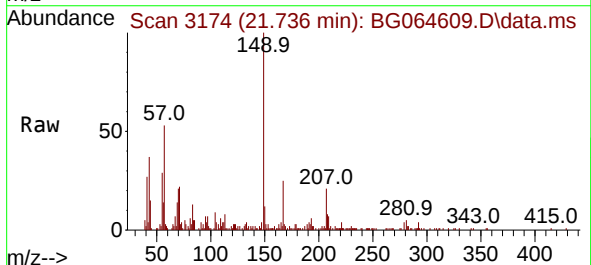
Instrument :
 BNA_G
 ClientSampleId :
 PR132-S12-020047-20251016

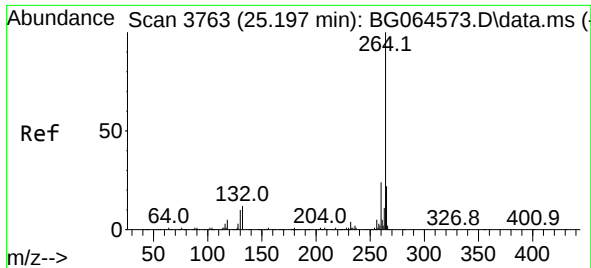
Tgt Ion:244 Resp: 780618
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 7.2 5.6 8.4



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.713 ng
 RT: 21.736 min Scan# 3174
 Delta R.T. -0.015 min
 Lab File: BG064609.D
 Acq: 28 Oct 2025 19:57

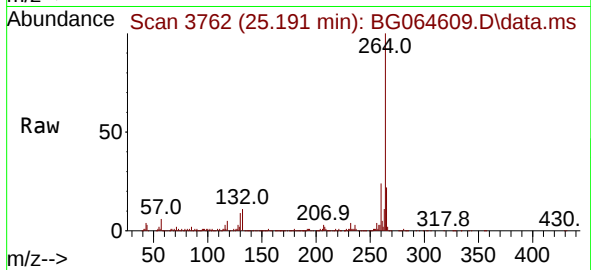
Tgt Ion:149 Resp: 31971
 Ion Ratio Lower Upper
 149 100
 167 24.6 20.0 30.0
 279 4.5 3.1 4.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016



Tgt Ion:	264	Resp:	320360
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.6	17.6	26.4

