

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064626.D
 Acq On : 29 Oct 2025 16:53
 Operator : RC/JU
 Sample : Q3419-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021

Quant Time: Oct 30 04:56:36 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)

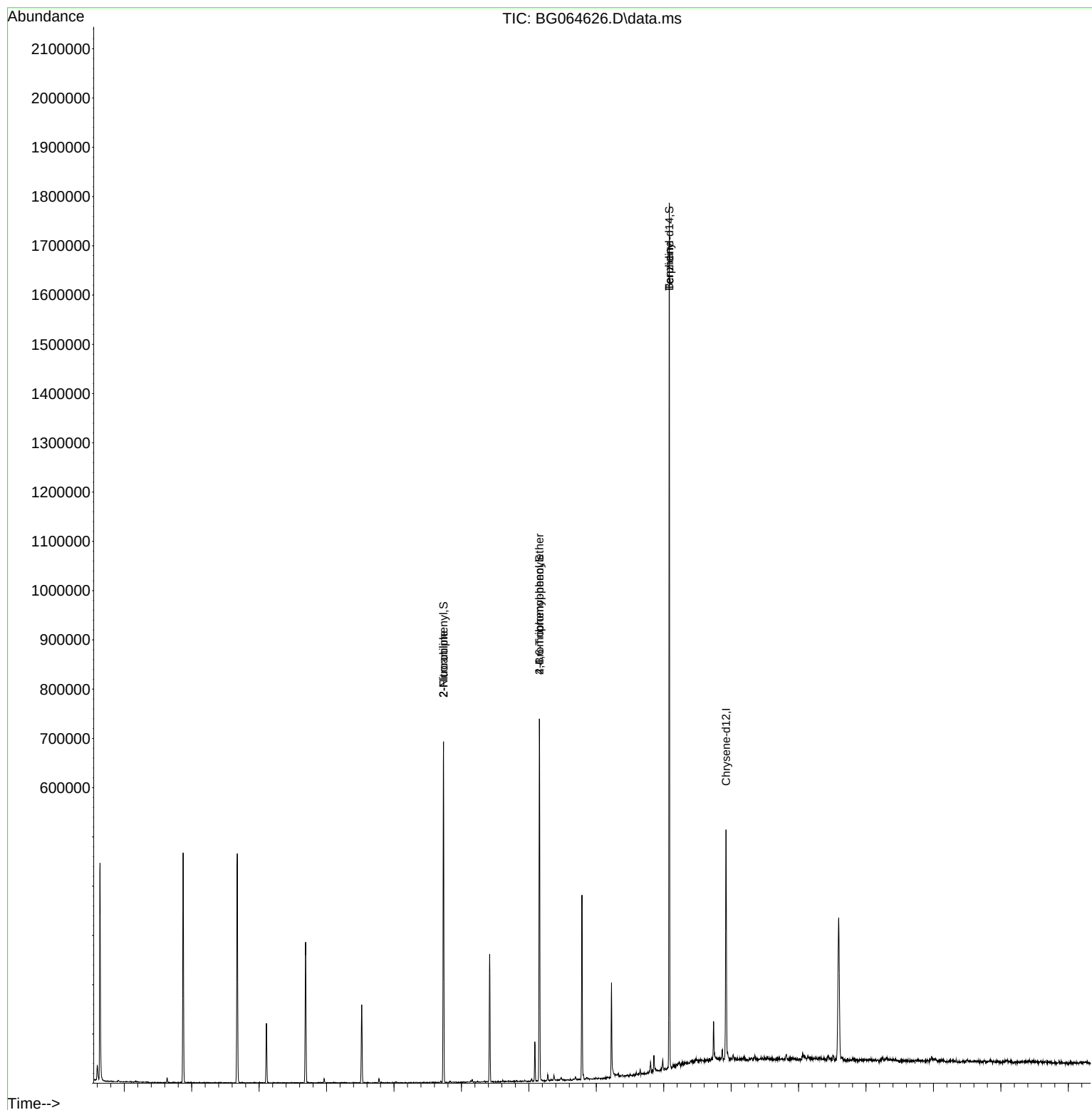
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	33527	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	125721	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	94531	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	232719	20.000	ng	0.00
76) Chrysene-d12	21.848	240	307543	20.000	ng	#-0.02
86) Perylene-d12	25.191	264	344921	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	182256	91.245	ng	0.00
7) Phenol-d6	7.353	99	241505	88.111	ng	0.00
23) Nitrobenzene-d5	9.380	82	154857	73.982	ng	-0.01
42) 2,4,6-Tribromophenol	16.313	330	157922	115.747	ng	-0.01
45) 2-Fluorobiphenyl	13.469	172	355630	57.023	ng	0.00
79) Terphenyl-d14	20.167	244	896538	55.014	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	3661	4.140	ng	# 1
19) n-Nitroso-di-n-propyla...	9.380	70	20760	10.959	ng	# 67
48) 2-Nitroaniline	13.469	65	607	3.557	ng	# 28
51) 2,6-Dinitrotoluene	14.838	165	11596	12.262	ng	# 17
57) 2,4-Dinitrotoluene	14.838	165	11596	8.935	ng	# 20
63) Azobenzene	16.178	77	21765	3.212	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.301	198	458	5.823	ng	# 47
67) 4-Bromophenyl-phenylether	16.313	248	10685	3.874	ng	# 1
77) Benzidine	20.167	184	14104	2.047	ng	# 94

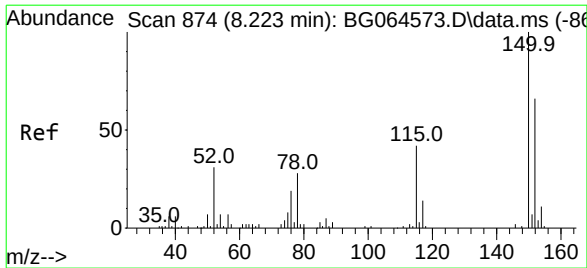
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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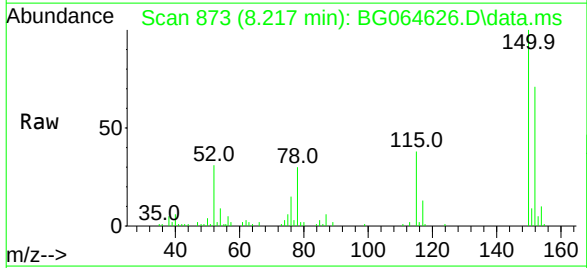
Quant Time: Oct 30 04:56:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
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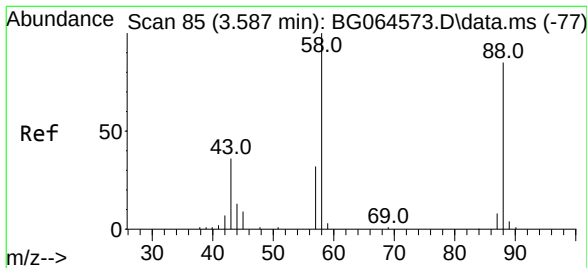
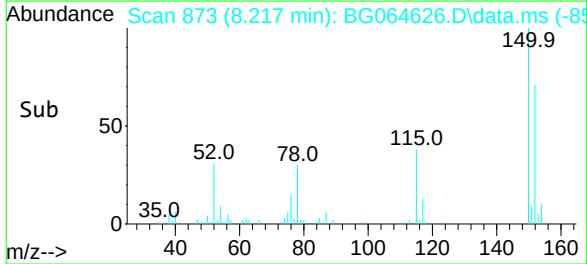
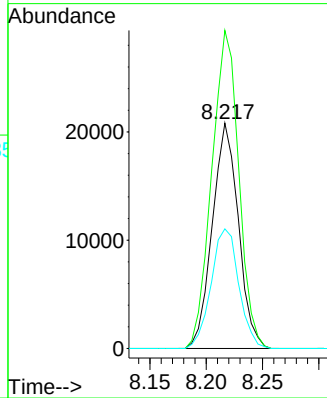


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 87
Delta R.T. -0.004 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021

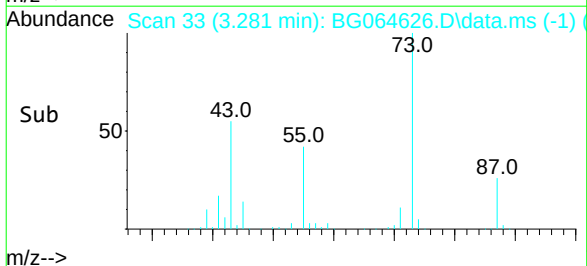
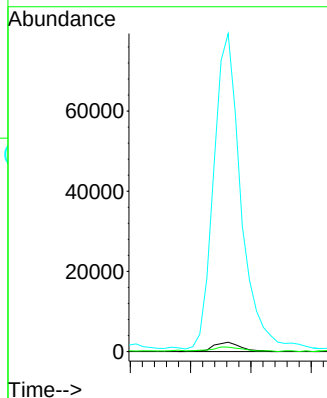
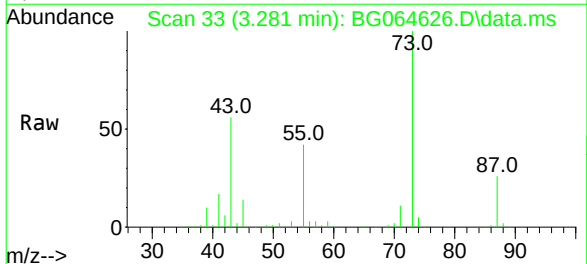


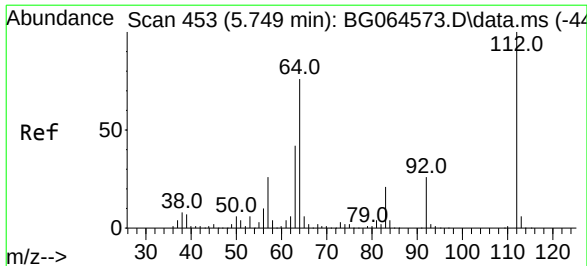
Tgt Ion: 152 Resp: 33527
Ion Ratio Lower Upper
152 100
150 141.1 122.2 183.4
115 53.1 50.8 76.2



#2
1,4-Dioxane
Concen: 4.140 ng
RT: 3.281 min Scan# 33
Delta R.T. -0.310 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

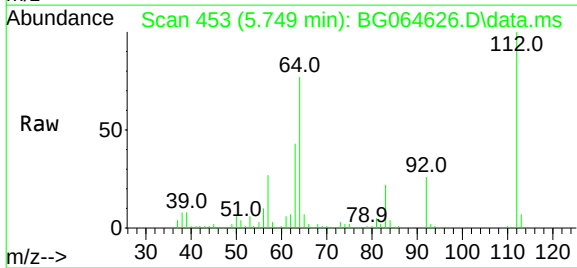
Tgt Ion: 88 Resp: 3661
Ion Ratio Lower Upper
88 100
58 58.6 92.4 138.6#
43 3367.2 33.0 49.6#



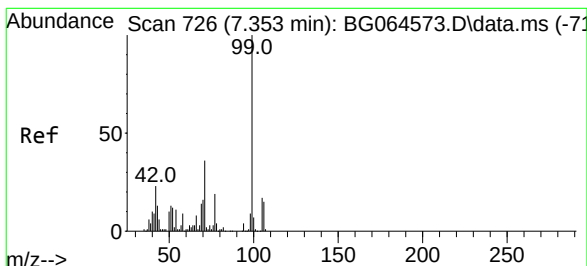
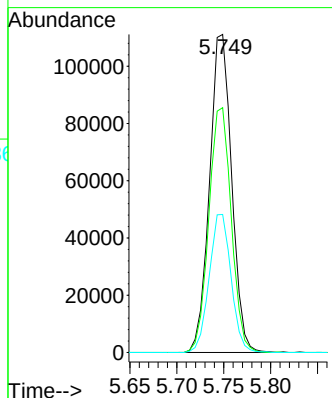
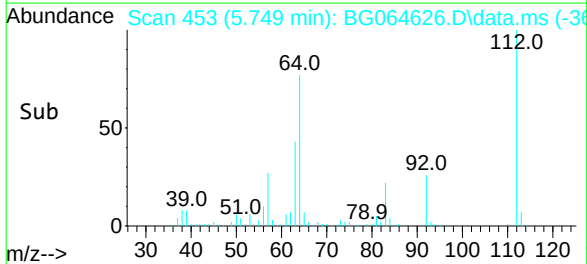


#5
2-Fluorophenol
Concen: 91.245 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

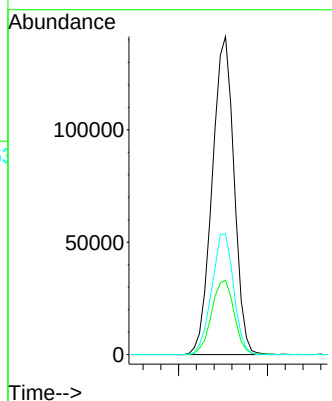
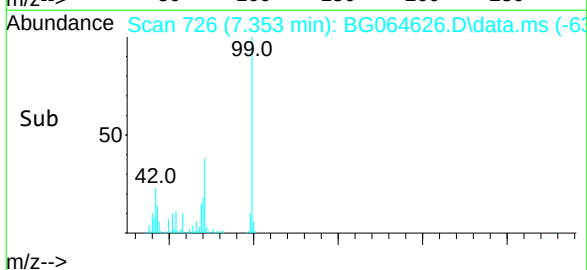
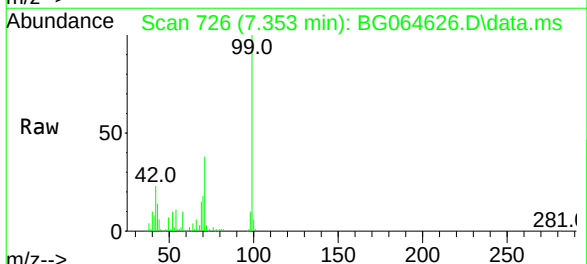


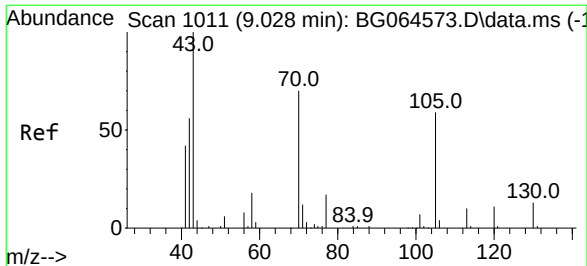
Tgt Ion:112 Resp: 182256
Ion Ratio Lower Upper
112 100
64 77.0 60.7 91.1
63 43.4 33.4 50.0



#7
Phenol-d6
Concen: 88.111 ng
RT: 7.353 min Scan# 726
Delta R.T. -0.004 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Tgt Ion: 99 Resp: 241505
Ion Ratio Lower Upper
99 100
42 23.4 18.3 27.5
71 38.0 28.6 43.0





#19

n-Nitroso-di-n-propylamine

Concen: 10.959 ng

RT: 9.380 min Scan# 1011

Delta R.T. 0.349 min

Lab File: BG064626.D

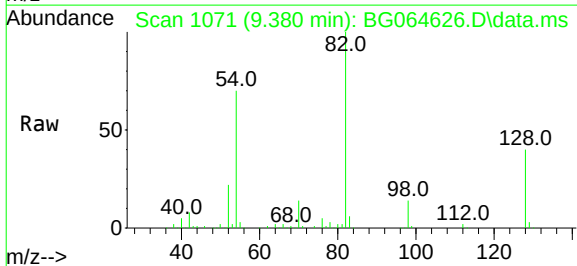
Acq: 29 Oct 2025 16:53

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021



Tgt Ion: 70 Resp: 20760

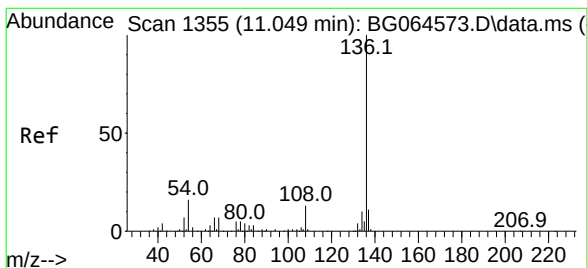
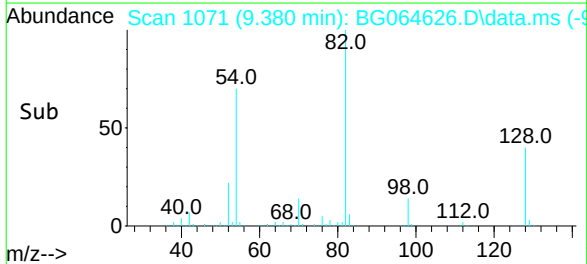
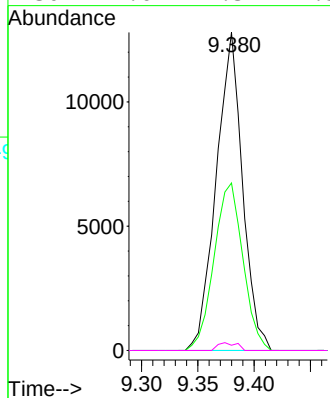
Ion Ratio Lower Upper

70 100

42 52.7 65.2 97.8#

101 0.0 7.9 11.9#

130 1.6 14.3 21.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.043 min Scan# 1354

Delta R.T. -0.010 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

Tgt Ion:136 Resp: 125721

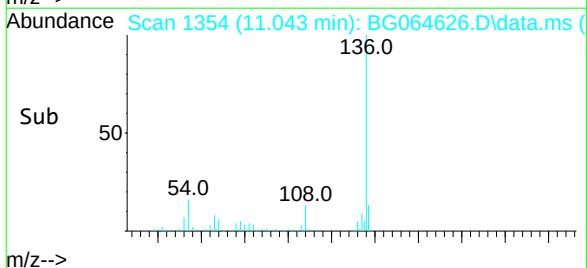
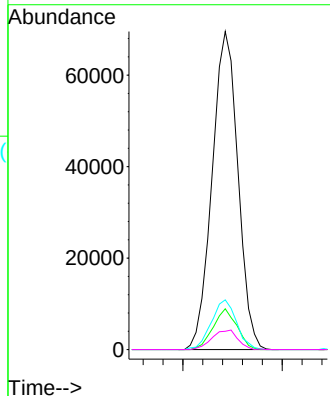
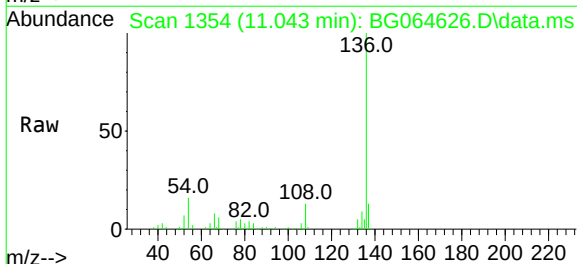
Ion Ratio Lower Upper

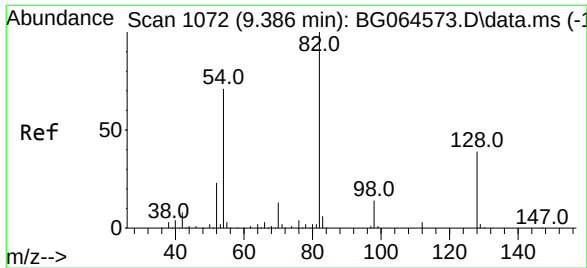
136 100

137 12.8 9.2 13.8

54 15.6 12.6 19.0

68 5.8 5.7 8.5





#23

Nitrobenzene-d5

Concen: 73.982 ng

RT: 9.380 min Scan# 10

Delta R.T. -0.010 min

Lab File: BG064626.D

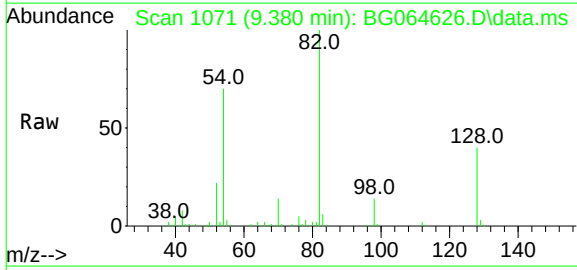
Acq: 29 Oct 2025 16:53

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021



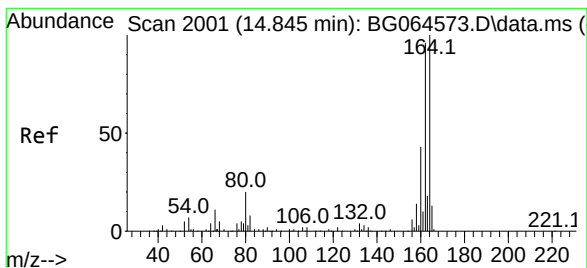
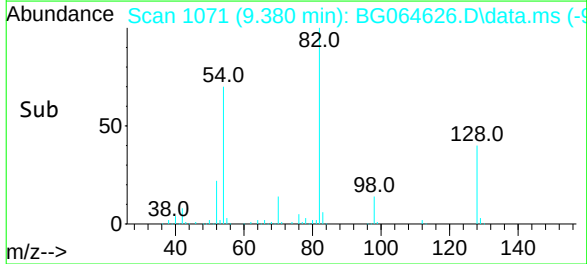
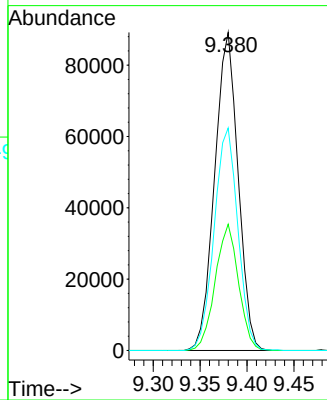
Tgt Ion: 82 Resp: 154857

Ion Ratio Lower Upper

82 100

128 39.7 31.3 46.9

54 70.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.838 min Scan# 2000

Delta R.T. -0.004 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

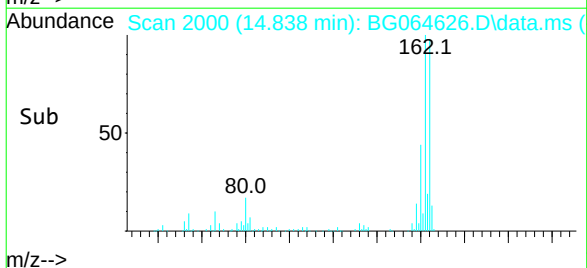
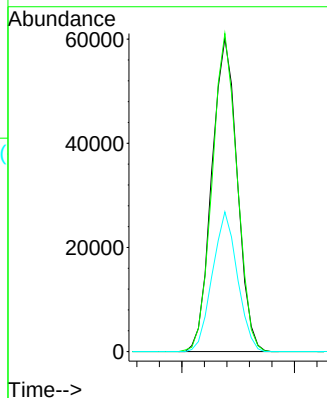
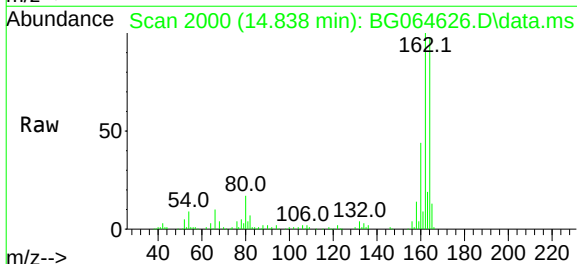
Tgt Ion: 164 Resp: 94531

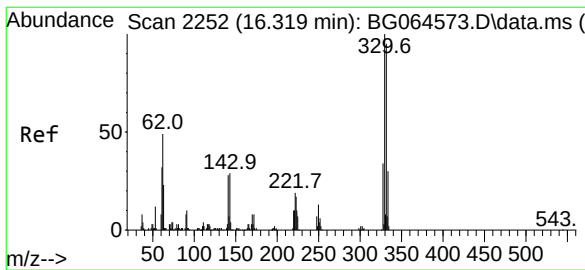
Ion Ratio Lower Upper

164 100

162 101.5 77.0 115.6

160 44.6 34.4 51.6

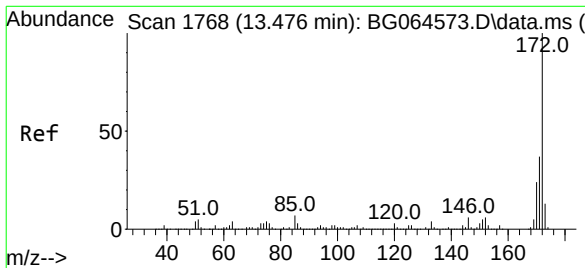
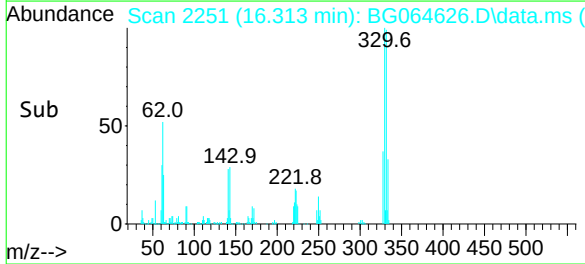
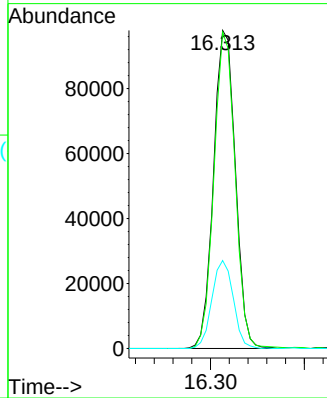
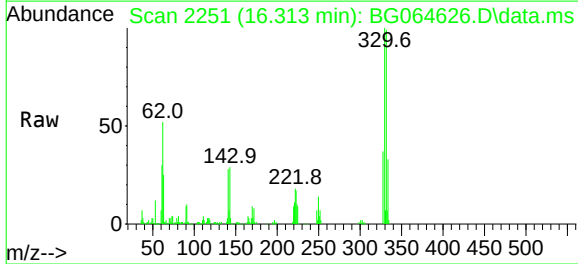




#42
2,4,6-Tribromophenol
Concen: 115.747 ng
RT: 16.313 min Scan# 2252
Delta R.T. -0.010 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

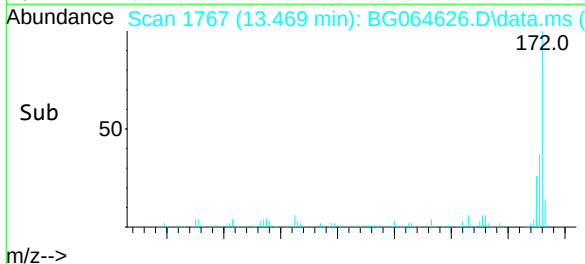
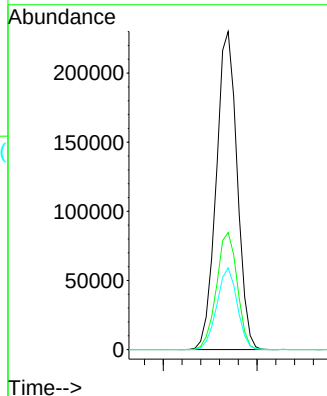
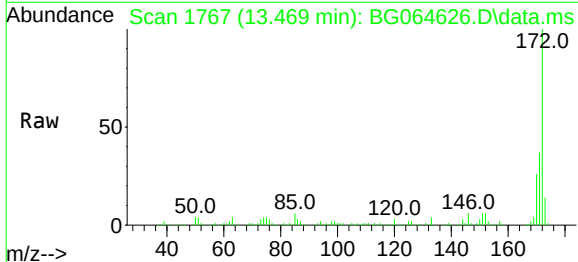
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

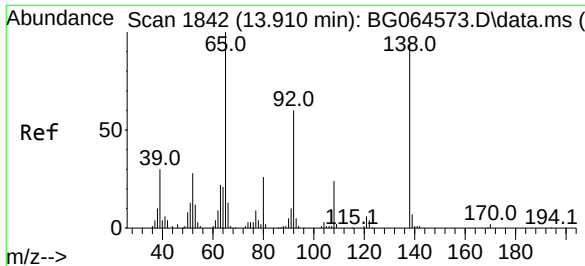
Tgt Ion:330 Resp: 157922
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 27.1 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 57.023 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Tgt Ion:172 Resp: 355630
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 25.7 19.1 28.7





#48

2-Nitroaniline

Concen: 3.557 ng

RT: 13.469 min Scan# 17

Delta R.T. -0.445 min

Lab File: BG064626.D

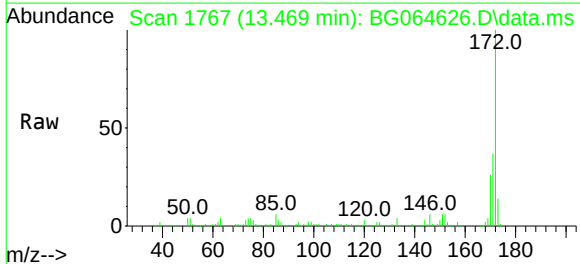
Acq: 29 Oct 2025 16:53

Instrument :

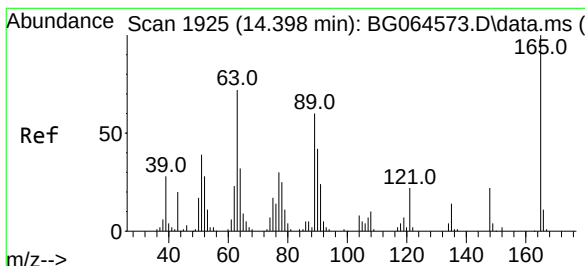
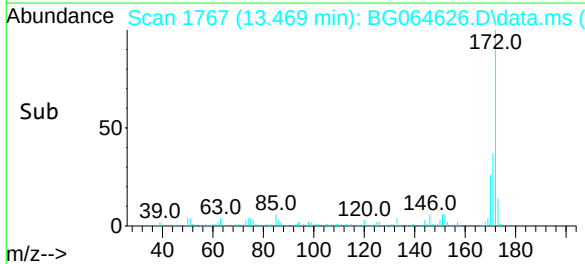
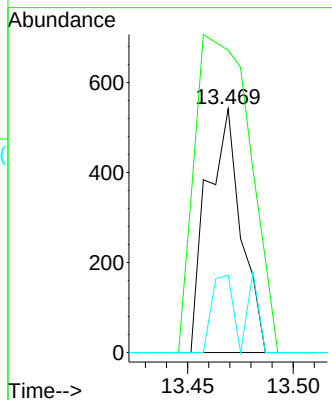
BNA_G

ClientSampleId :

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Tgt Ion:	65	Resp:	607
Ion Ratio	Lower	Upper	
65	100		
92	124.0	48.3	72.5#
138	31.7	74.9	112.3#



#51

2,6-Dinitrotoluene

Concen: 12.262 ng

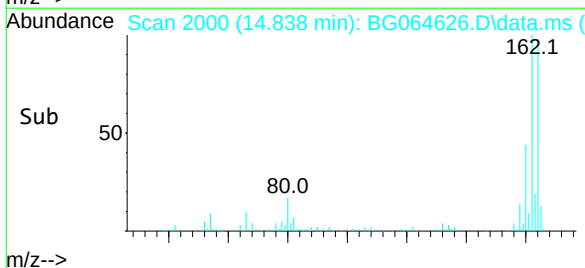
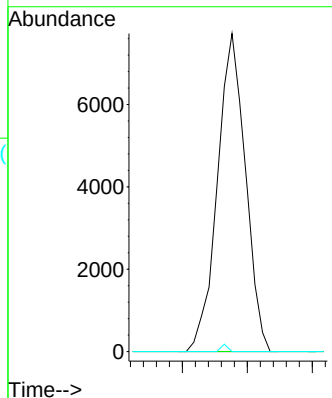
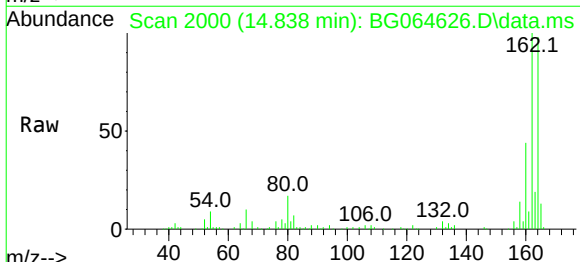
RT: 14.838 min Scan# 2000

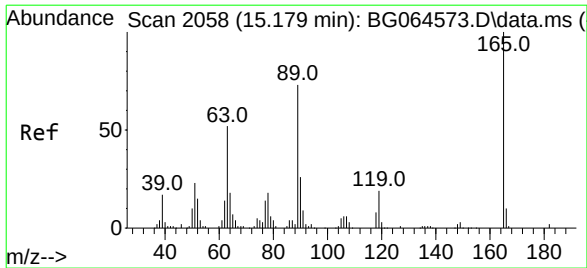
Delta R.T. 0.436 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

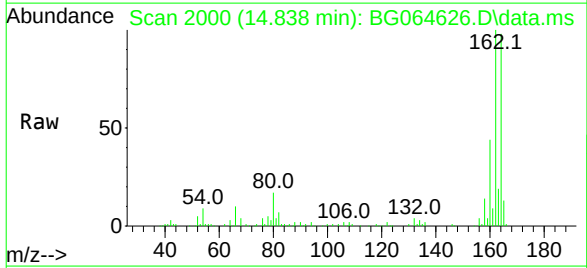
Tgt Ion:	165	Resp:	11596
Ion Ratio	Lower	Upper	
165	100		
63	0.0	57.4	86.0#
89	0.0	47.8	71.8#



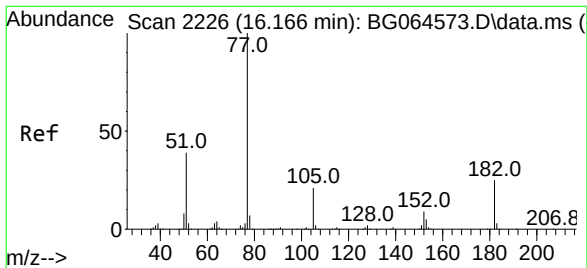
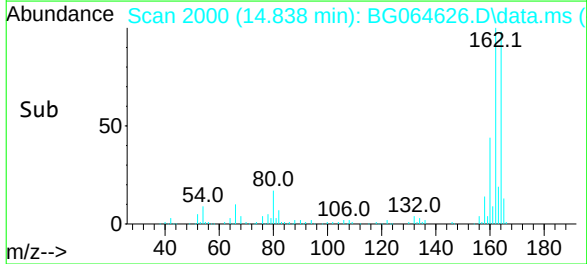
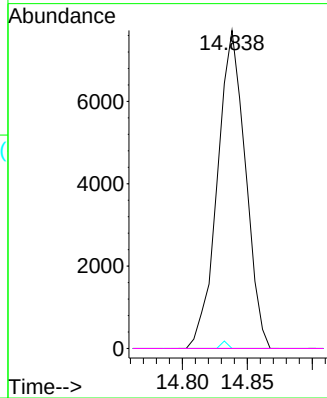


#57
2,4-Dinitrotoluene
Concen: 8.935 ng
RT: 14.838 min Scan# 2058
Delta R.T. -0.351 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

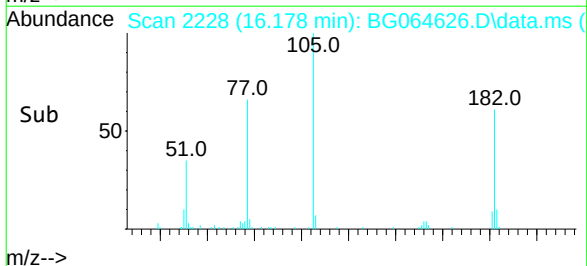
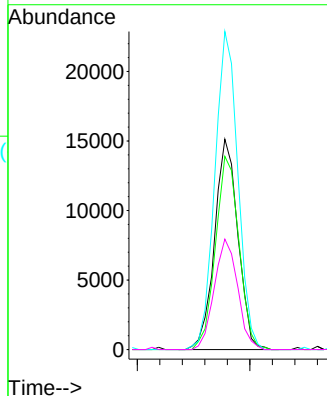
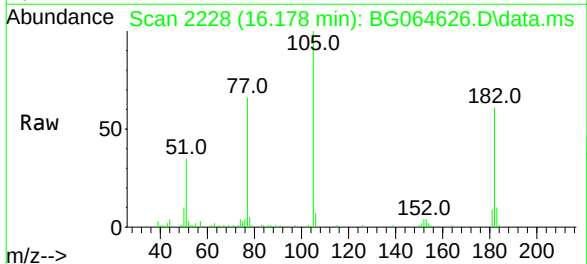


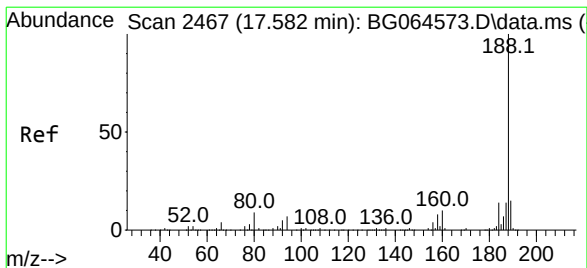
Tgt Ion:	165	Resp:	11596
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	58.1	87.1#
182	0.0	1.4	2.0#



#63
Azobenzene
Concen: 3.212 ng
RT: 16.178 min Scan# 2228
Delta R.T. 0.008 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Tgt Ion:	77	Resp:	21765
Ion	Ratio	Lower	Upper
77	100		
182	91.9	4.9	44.9#
105	151.2	1.3	41.3#
51	52.5	19.0	59.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.576 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG064626.D

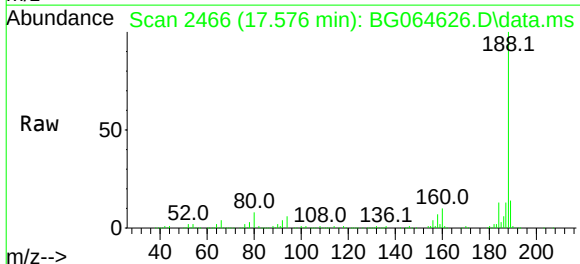
Acq: 29 Oct 2025 16:53

Instrument :

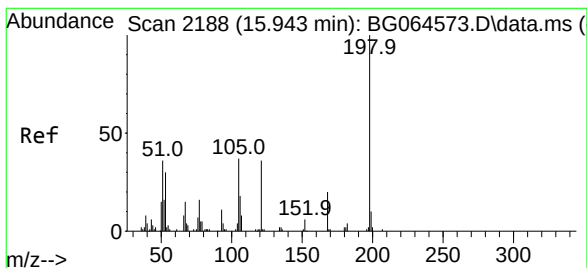
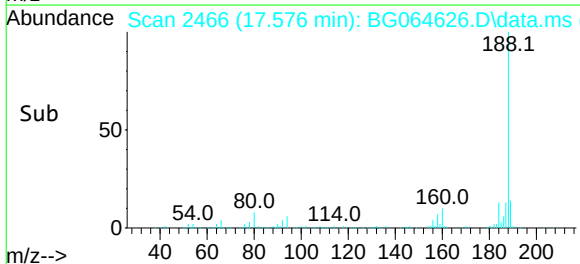
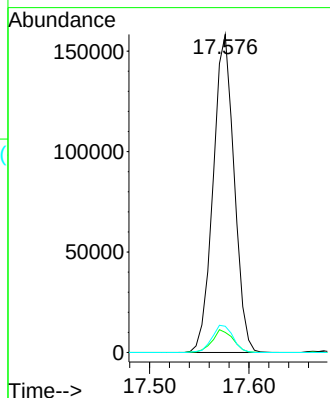
BNA_G

ClientSampleId :

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Tgt Ion:	188	Resp:	232719
Ion Ratio	Lower	Upper	
188	100		
94	6.3	5.7	8.5
80	8.2	6.8	10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.823 ng

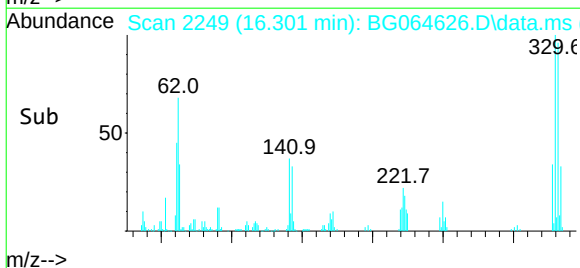
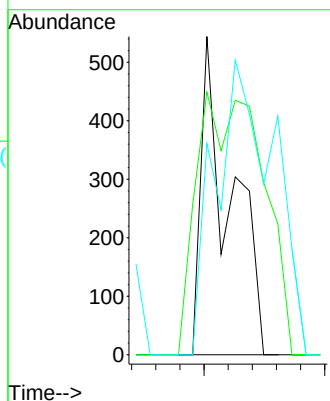
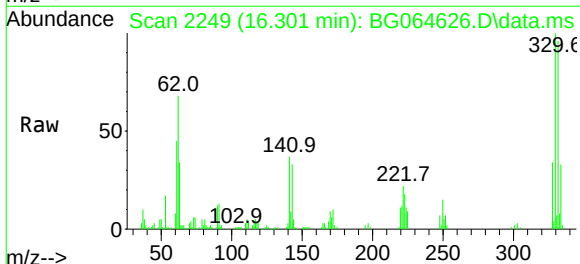
RT: 16.301 min Scan# 2249

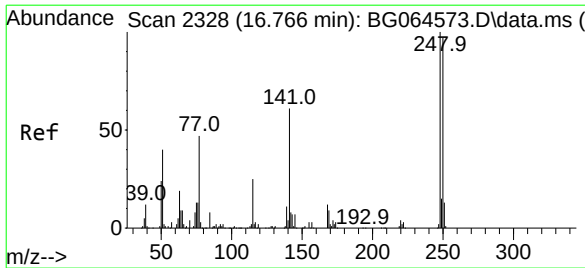
Delta R.T. 0.354 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

Tgt Ion:	198	Resp:	458
Ion Ratio	Lower	Upper	
198	100		
51	82.5	24.7	64.7#
105	66.4	18.0	58.0#





#67

4-Bromophenyl-phenylether

Concen: 3.874 ng

RT: 16.313 min Scan# 22

Delta R.T. -0.456 min

Lab File: BG064626.D

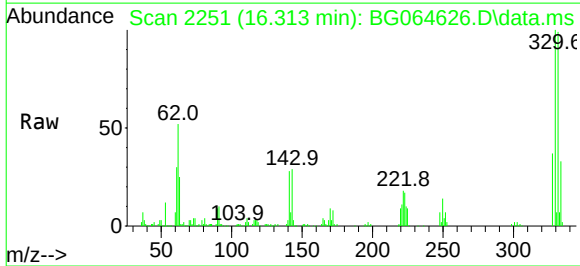
Acq: 29 Oct 2025 16:53

Instrument :

BNA_G

ClientSampleId :

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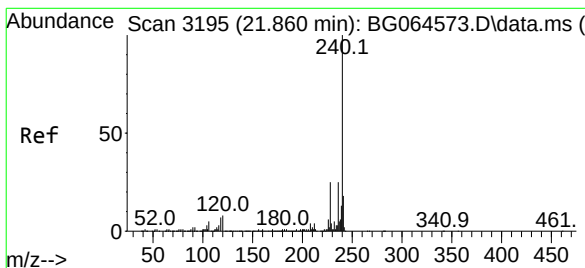
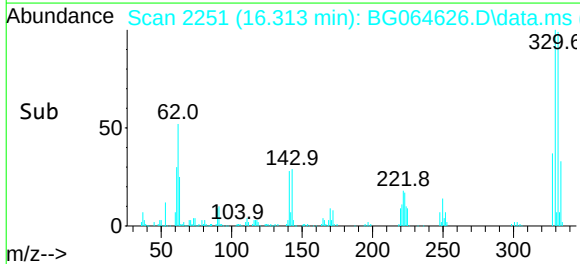
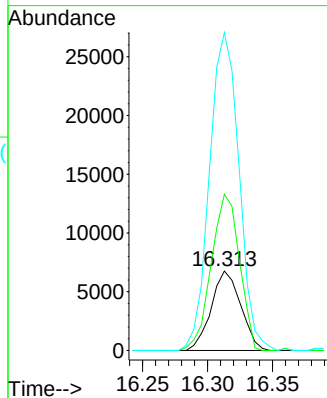
Tgt Ion:248 Resp: 10685

Ion Ratio Lower Upper

248 100

250 196.6 77.7 116.5#

141 400.2 48.6 72.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.848 min Scan# 3193

Delta R.T. -0.016 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

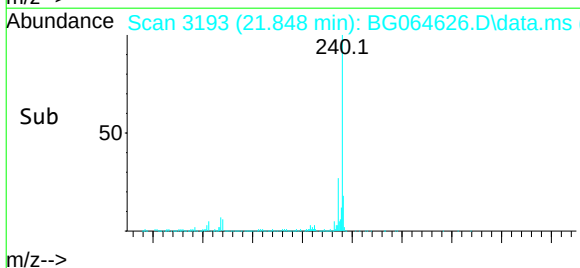
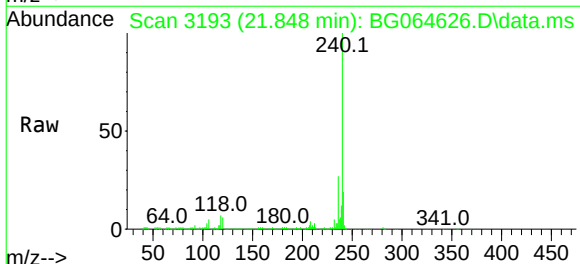
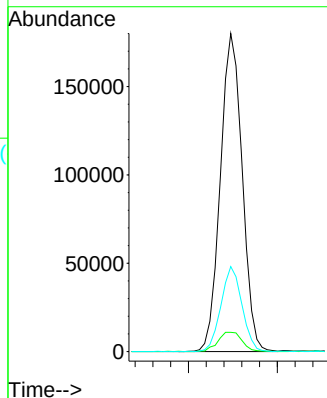
Tgt Ion:240 Resp: 307543

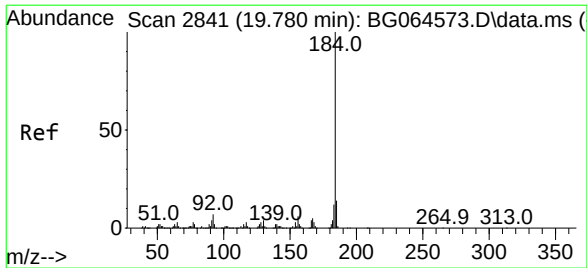
Ion Ratio Lower Upper

240 100

120 6.1 6.5 9.7#

236 26.7 20.2 30.2





#77

Benzidine

Concen: 2.047 ng

RT: 20.167 min Scan# 29

Delta R.T. 0.384 min

Lab File: BG064626.D

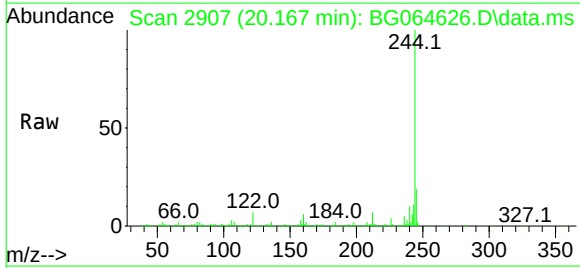
Acq: 29 Oct 2025 16:53

Instrument :

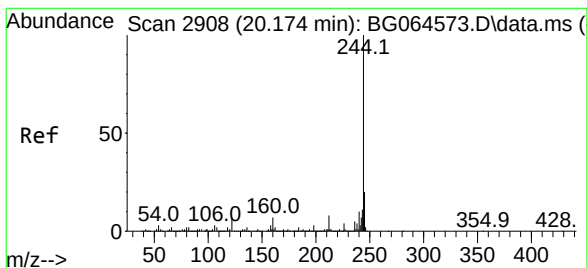
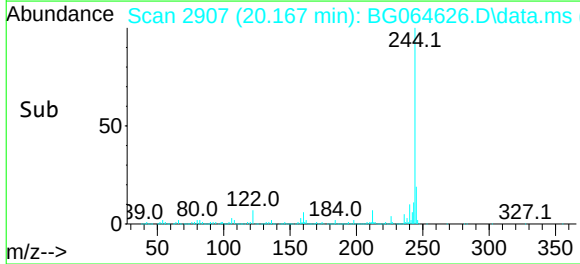
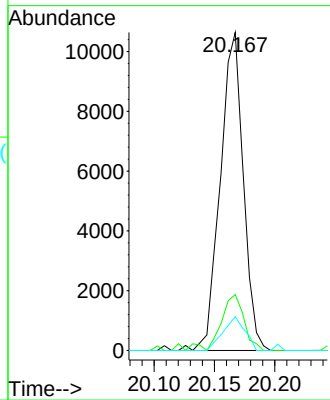
BNA_G

ClientSampleId :

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Tgt Ion:	184	Resp:	14104
Ion Ratio	Lower	Upper	
184	100		
185	17.6	11.4	17.2#
183	10.6	9.4	14.2



#79

Terphenyl-d14

Concen: 55.014 ng

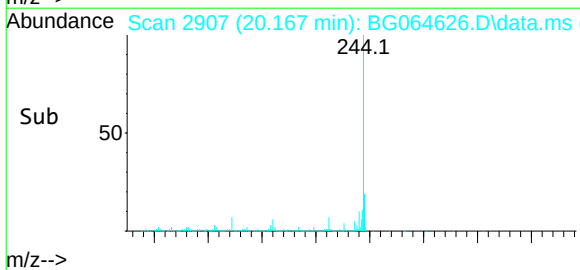
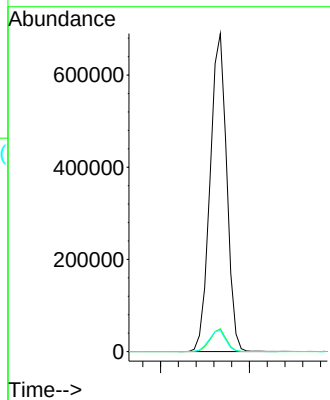
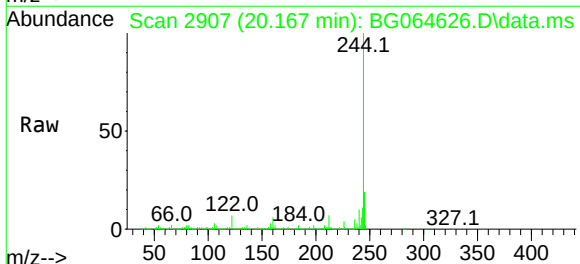
RT: 20.167 min Scan# 2907

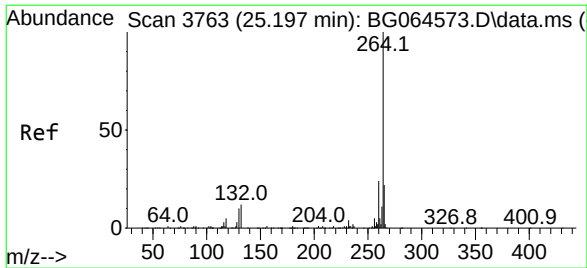
Delta R.T. -0.010 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

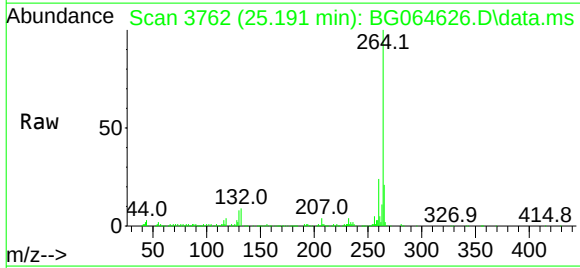
Tgt Ion:	244	Resp:	896538
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.1	9.1
122	6.6	5.6	8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.191 min Scan# 37
 Delta R.T. -0.010 min
 Lab File: BG064626.D
 Acq: 29 Oct 2025 16:53

Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021



Tgt Ion:	264	Resp:	344921
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.0	28.4
265	21.4	17.6	26.4

