

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064589.D
 Acq On : 27 Oct 2025 16:03
 Operator : RC/JU
 Sample : Q3439-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Oct 27 16:42:21 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)

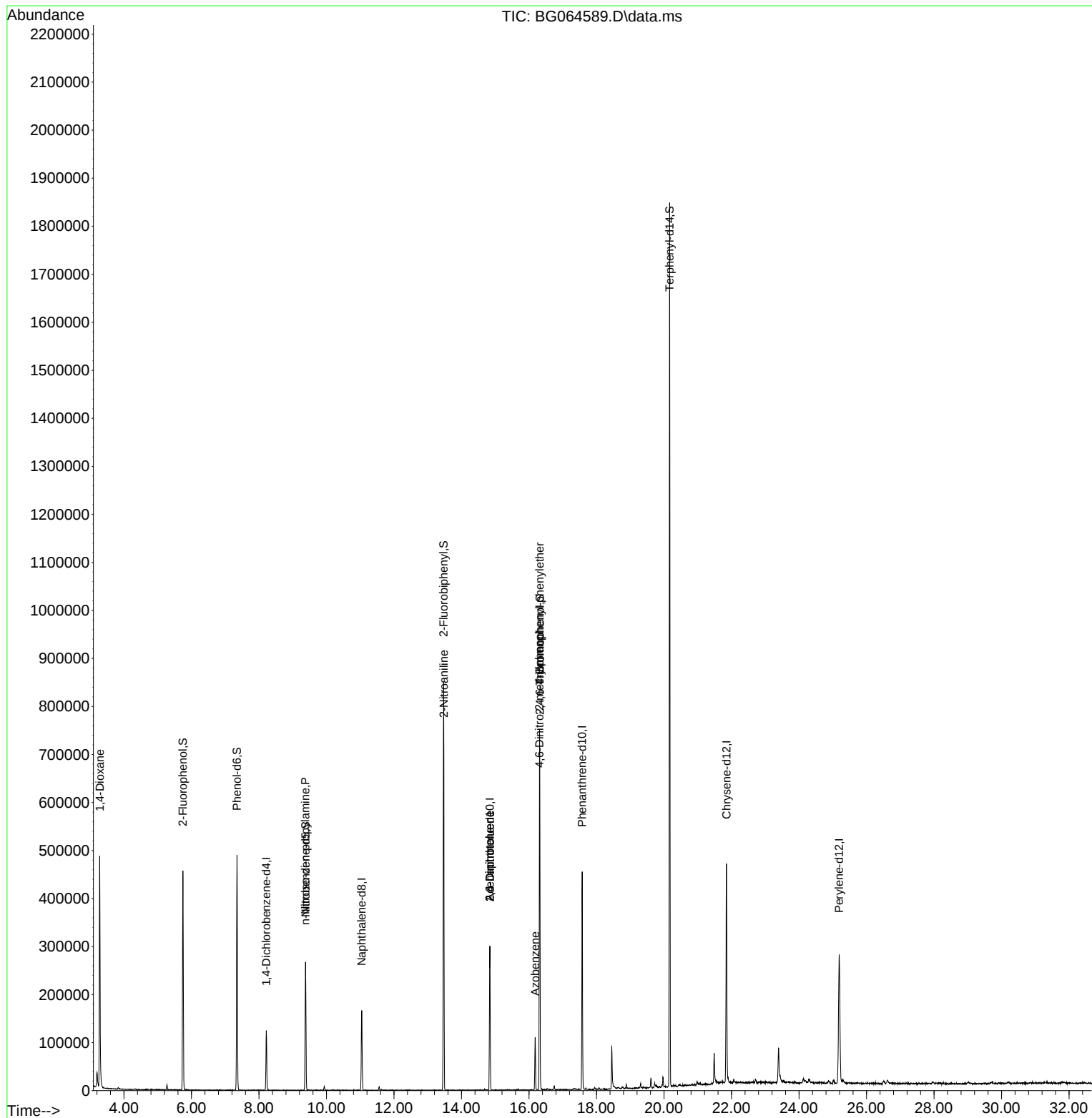
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	33317	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	131742	20.000	ng	# 0.00
39) Acenaphthene-d10	14.839	164	108911	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	279774	20.000	ng	0.00
76) Chrysene-d12	21.848	240	296862	20.000	ng	-0.01
86) Perylene-d12	25.186	264	319637	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	179806	90.585	ng	0.00
7) Phenol-d6	7.348	99	253734	93.156	ng	0.00
23) Nitrobenzene-d5	9.381	82	144091	65.693	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	156895	99.811	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	436201	60.707	ng	0.00
79) Terphenyl-d14	20.168	244	933462	59.341	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.282	88	4271	4.860	ng	# 1
19) n-Nitroso-di-n-propyla...	9.375	70	18878	10.029	ng	# 73
48) 2-Nitroaniline	13.476	65	711	3.563	ng	# 11
51) 2,6-Dinitrotoluene	14.839	165	14077	12.749	ng	# 18
57) 2,4-Dinitrotoluene	14.839	165	14077	9.251	ng	# 21
63) Azobenzene	16.179	77	31622	4.050	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.308	198	152	5.536	ng	# 1
67) 4-Bromophenyl-phenylether	16.314	248	9734	2.936	ng	# 1

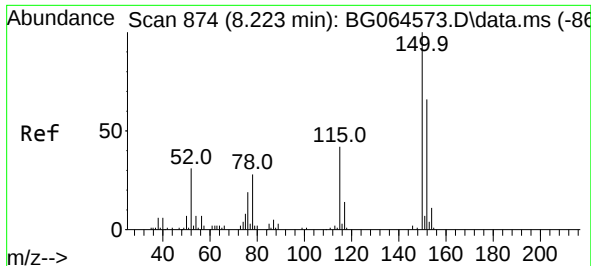
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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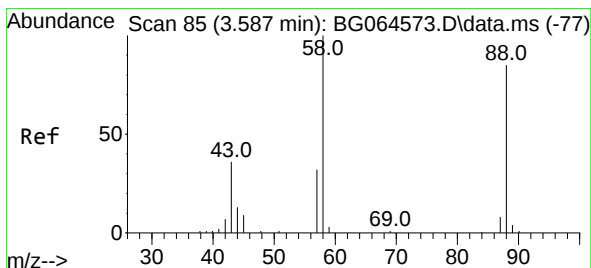
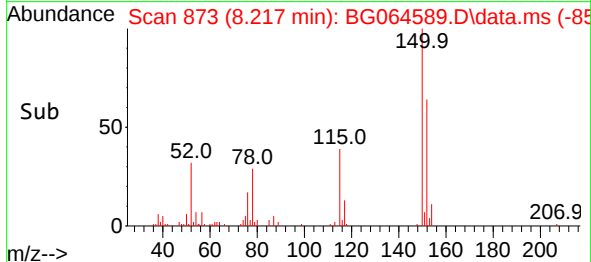
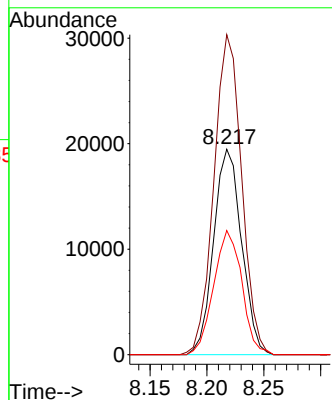
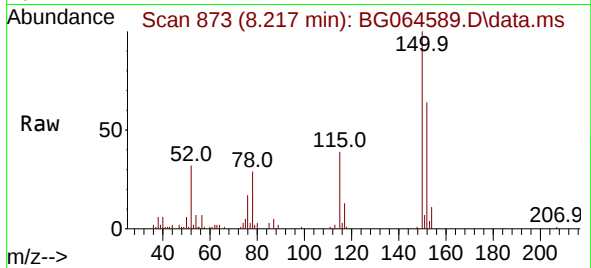




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.217 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG064589.D
 Acq: 27 Oct 2025 16:03

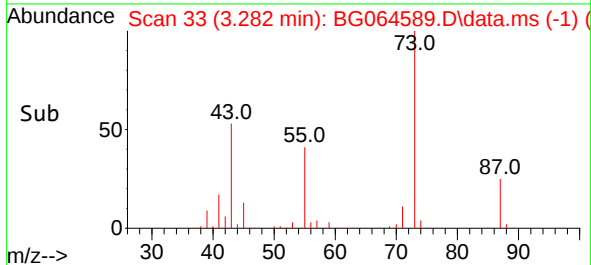
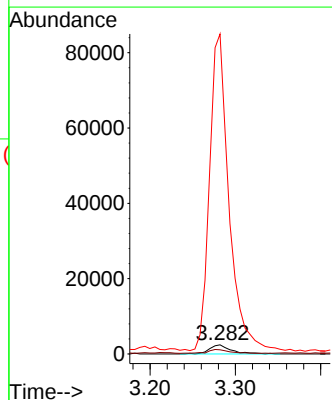
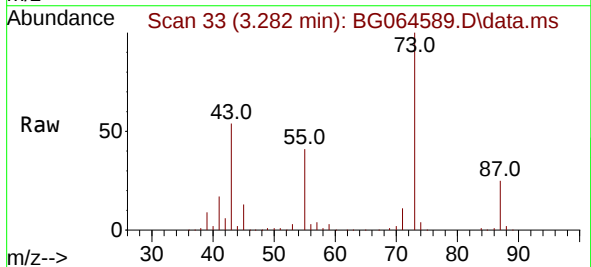
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 BNA_G
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 TP-9

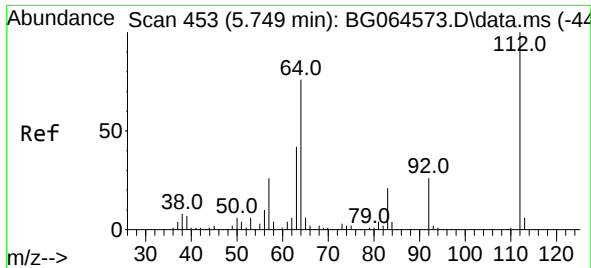
Tgt Ion:152 Resp: 33317
 Ion Ratio Lower Upper
 152 100
 150 155.8 122.2 183.4
 115 60.4 50.8 76.2



#2
 1,4-Dioxane
 Concen: 4.860 ng
 RT: 3.282 min Scan# 33
 Delta R.T. -0.309 min
 Lab File: BG064589.D
 Acq: 27 Oct 2025 16:03

Tgt Ion: 88 Resp: 4271
 Ion Ratio Lower Upper
 88 100
 58 42.0 92.4 138.6#
 43 3153.3 33.0 49.6#

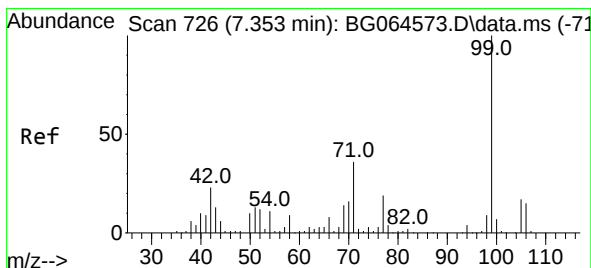
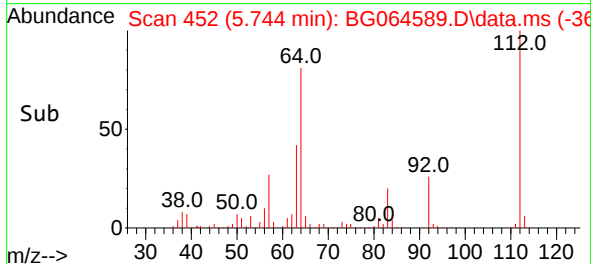
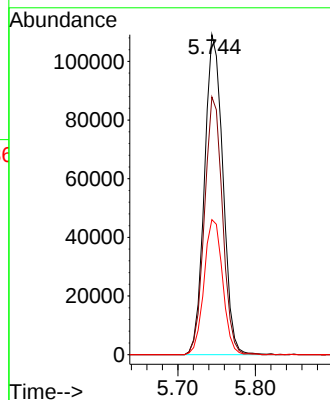
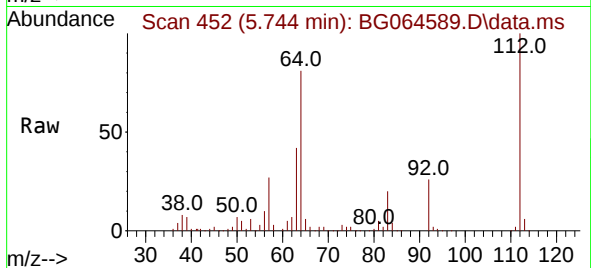




#5
2-Fluorophenol
Concen: 90.585 ng
RT: 5.744 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

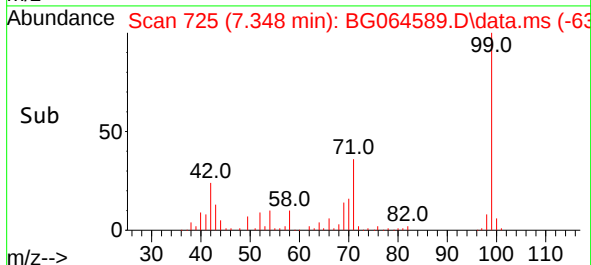
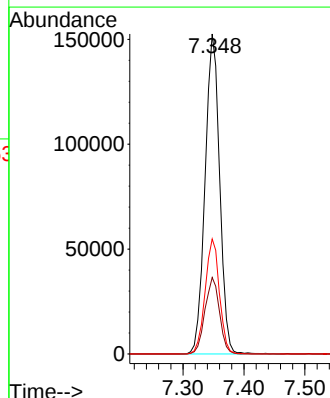
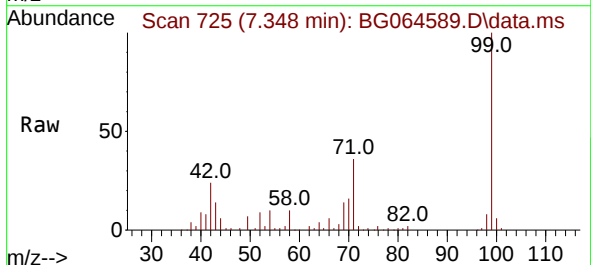
Instrument :
BNA_G
ClientSampleId :
TP-9

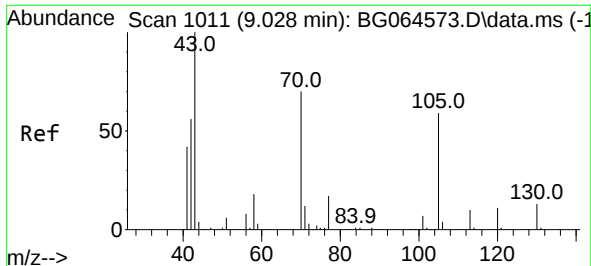
Tgt Ion:112 Resp: 179806
Ion Ratio Lower Upper
112 100
64 80.5 60.7 91.1
63 42.2 33.4 50.0



#7
Phenol-d6
Concen: 93.156 ng
RT: 7.348 min Scan# 725
Delta R.T. -0.009 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

Tgt Ion: 99 Resp: 253734
Ion Ratio Lower Upper
99 100
42 23.9 18.3 27.5
71 35.9 28.6 43.0

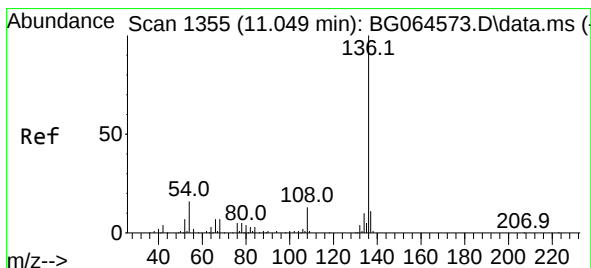
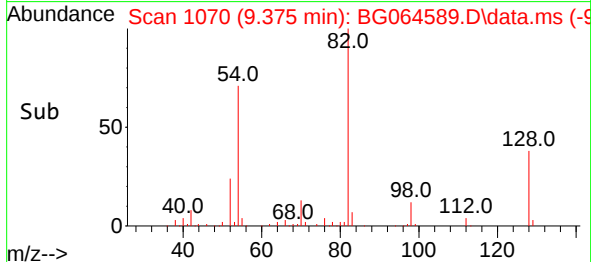
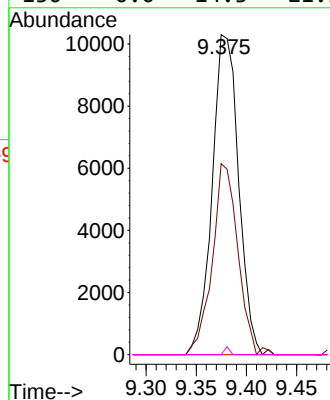
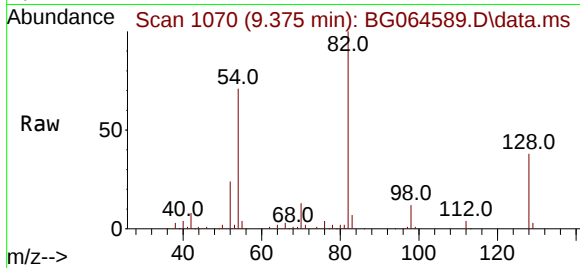




#19
n-Nitroso-di-n-propylamine
Concen: 10.029 ng
RT: 9.375 min Scan# 1011
Delta R.T. 0.343 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

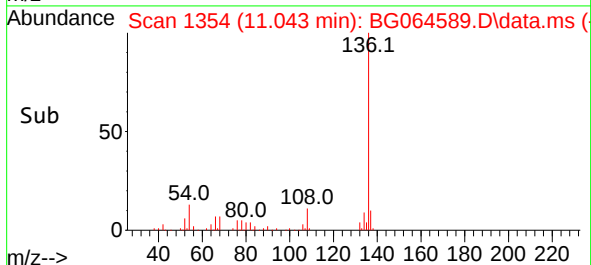
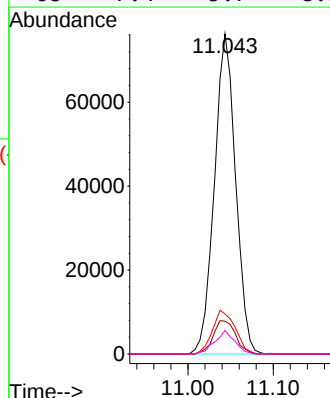
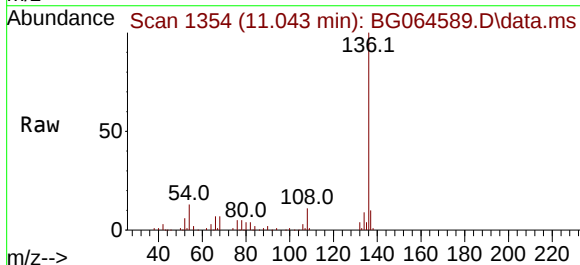
Instrument :
BNA_G
ClientSampleId :
TP-9

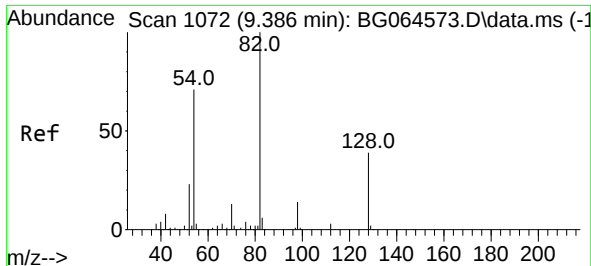
Tgt Ion:	70	Resp:	18878
Ion	Ratio	Lower	Upper
70	100		
42	59.7	65.2	97.8#
101	0.0	7.9	11.9#
130	0.0	14.3	21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

Tgt Ion:	136	Resp:	131742
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	12.5	12.6	19.0#
68	7.4	5.7	8.5

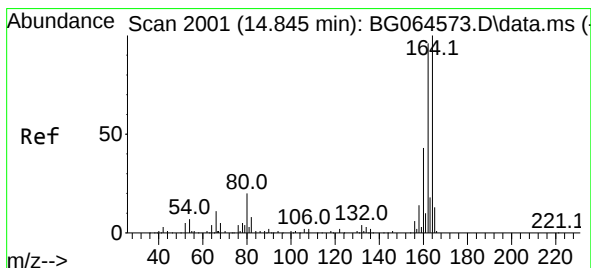
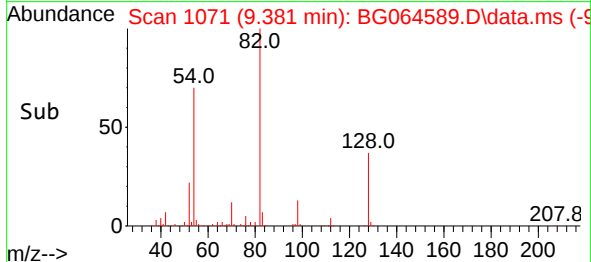
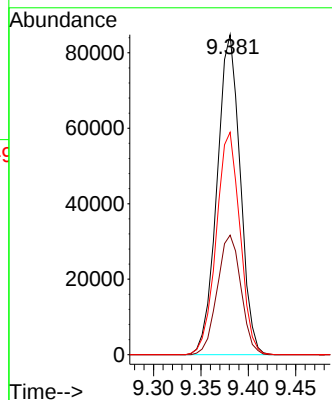
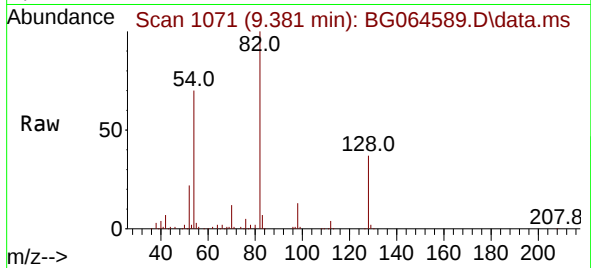




#23
Nitrobenzene-d5
Concen: 65.693 ng
RT: 9.381 min Scan# 1072
Delta R.T. -0.009 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

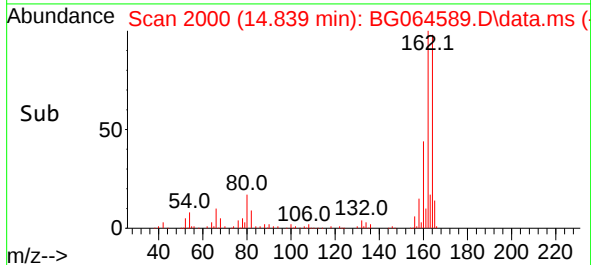
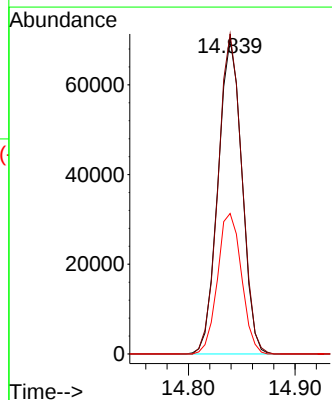
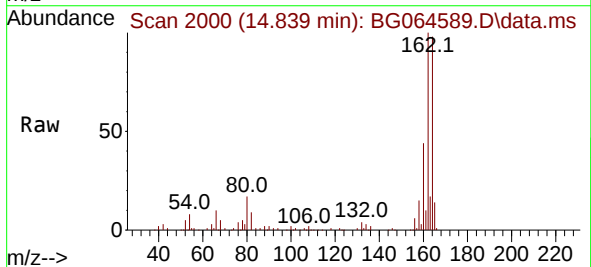
Instrument :
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ClientSampleId :
TP-9

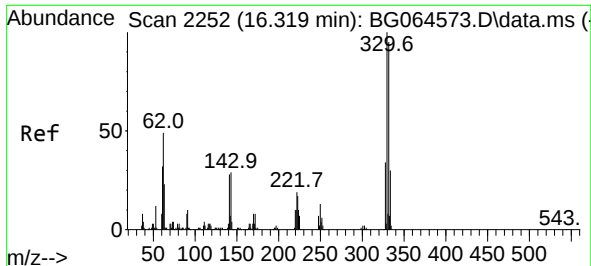
Tgt Ion: 82 Resp: 144091
Ion Ratio Lower Upper
82 100
128 37.3 31.3 46.9
54 69.5 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

Tgt Ion:164 Resp: 108911
Ion Ratio Lower Upper
164 100
162 101.5 77.0 115.6
160 44.6 34.4 51.6

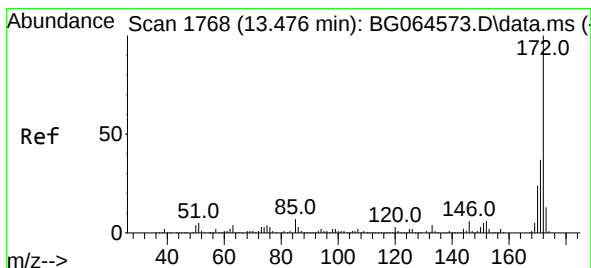
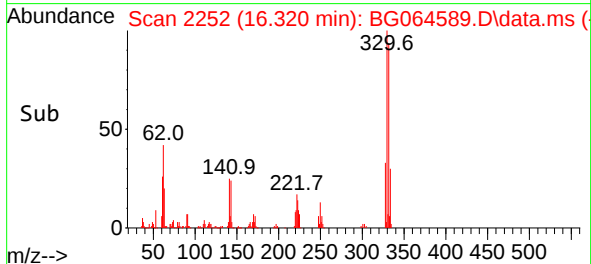
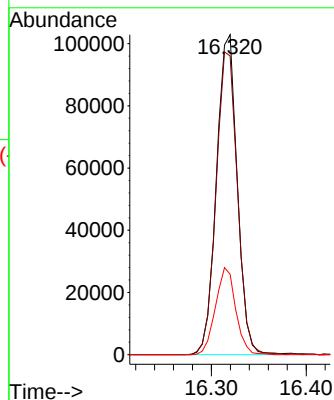
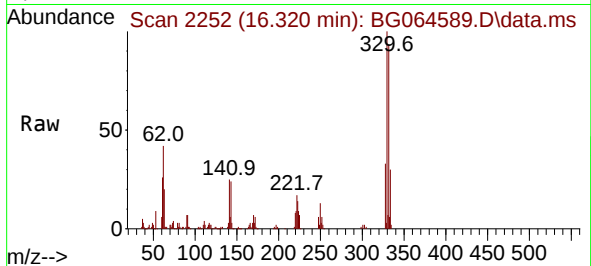




#42
2,4,6-Tribromophenol
Concen: 99.811 ng
RT: 16.320 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

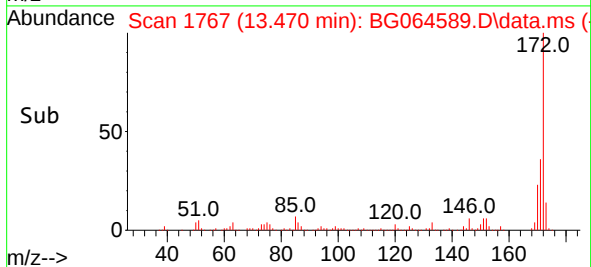
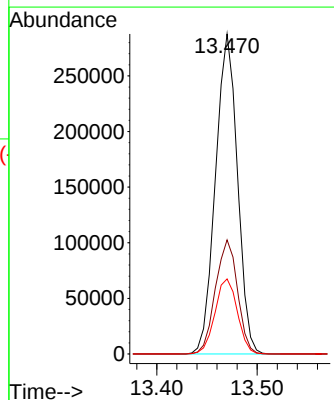
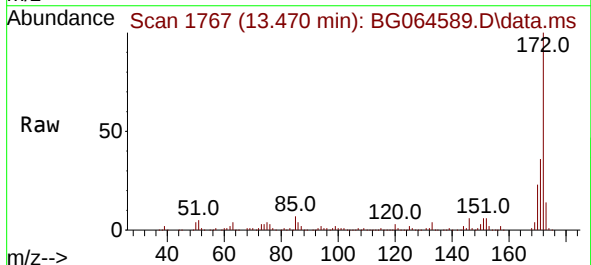
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BNA_G
ClientSampleId :
TP-9

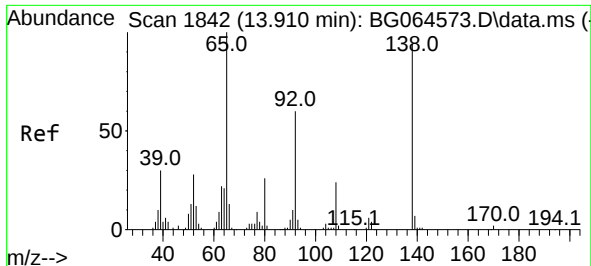
Tgt Ion:330 Resp: 156895
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 26.5 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 60.707 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

Tgt Ion:172 Resp: 436201
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.4 19.1 28.7

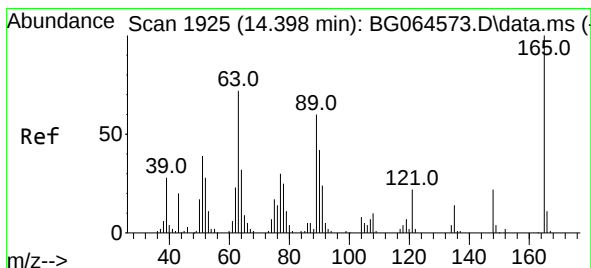
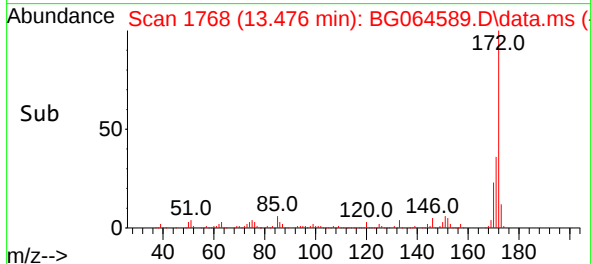
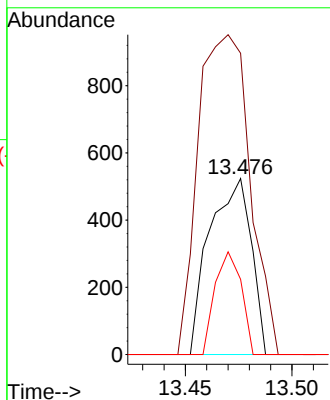
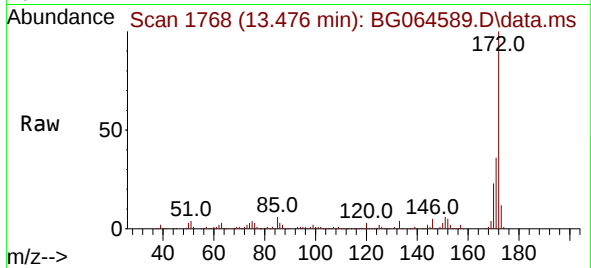




#48
2-Nitroaniline
Concen: 3.563 ng
RT: 13.476 min Scan# 11
Delta R.T. -0.438 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

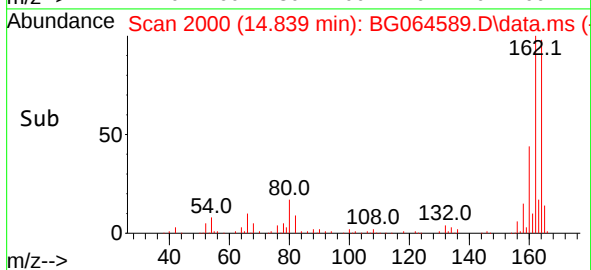
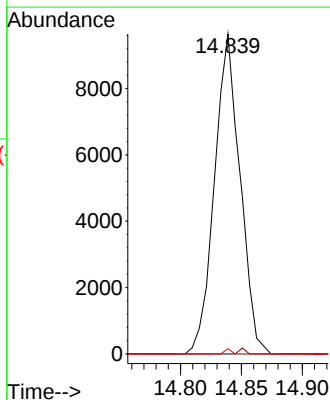
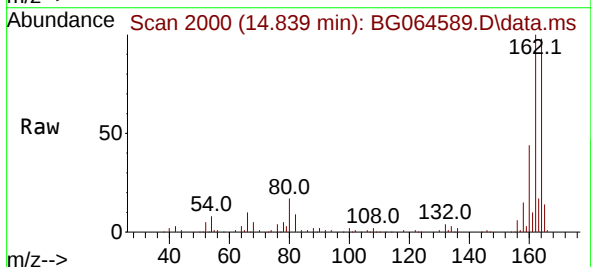
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TP-9

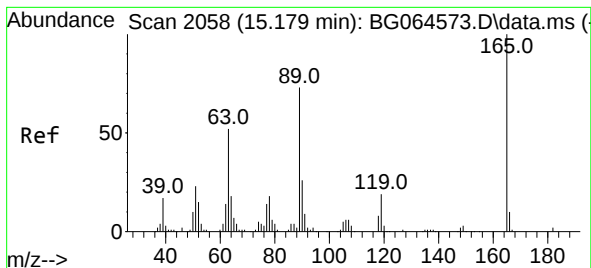
Tgt Ion: 65 Resp: 711
Ion Ratio Lower Upper
65 100
92 171.2 48.3 72.5#
138 42.7 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.749 ng
RT: 14.839 min Scan# 2000
Delta R.T. 0.437 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

Tgt Ion:165 Resp: 14077
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 1.6 47.8 71.8#

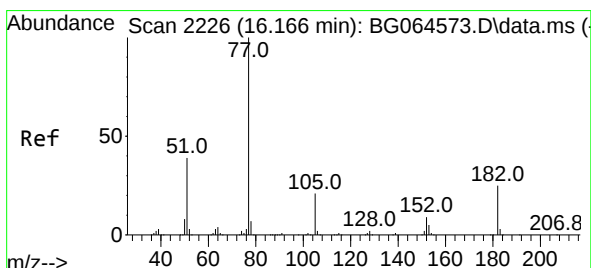
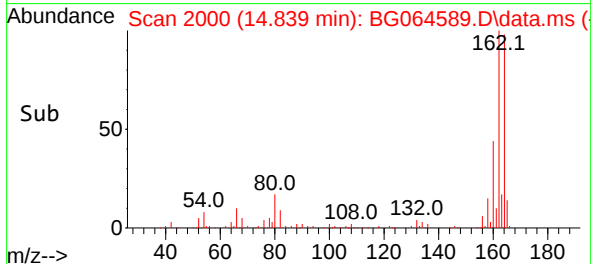
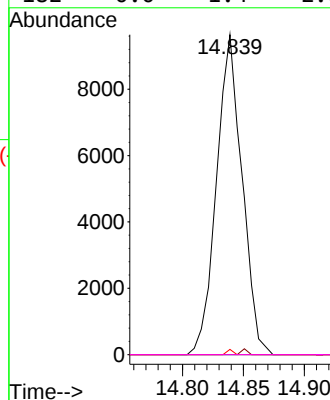
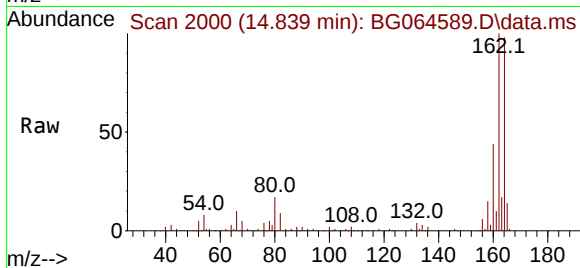




#57
2,4-Dinitrotoluene
Concen: 9.251 ng
RT: 14.839 min Scan# 2058
Delta R.T. -0.350 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

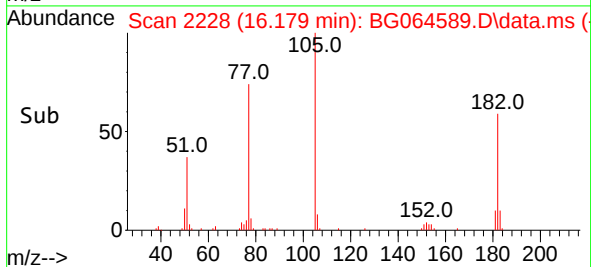
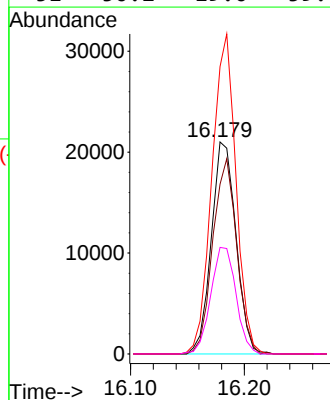
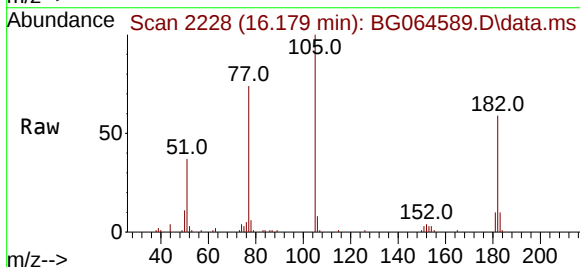
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TP-9

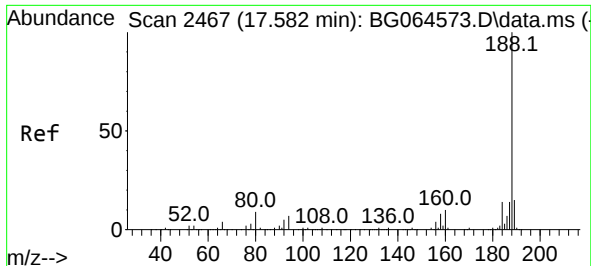
Tgt Ion:165 Resp: 14077
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 1.6 58.1 87.1#
182 0.0 1.4 2.0#



#63
Azobenzene
Concen: 4.050 ng
RT: 16.179 min Scan# 2228
Delta R.T. 0.009 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

Tgt Ion: 77 Resp: 31622
Ion Ratio Lower Upper
77 100
182 80.1 4.9 44.9#
105 135.5 1.3 41.3#
51 50.2 19.0 59.0

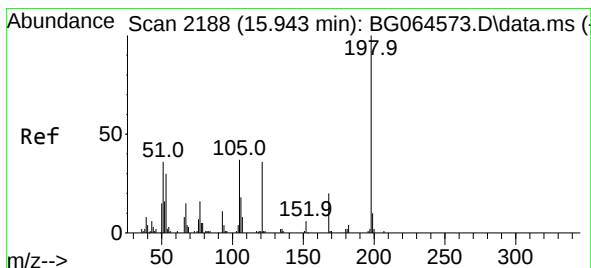
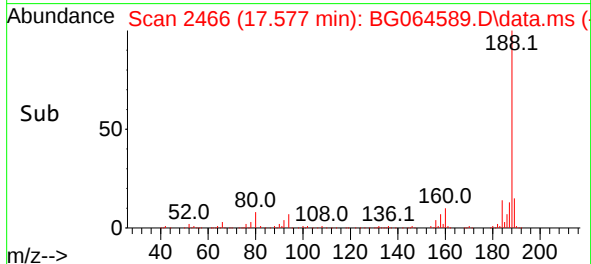
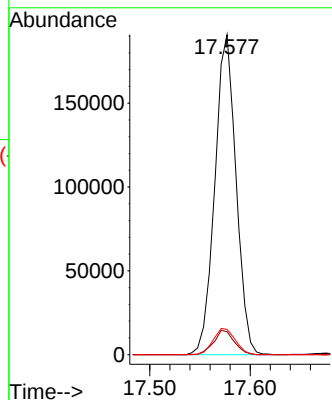
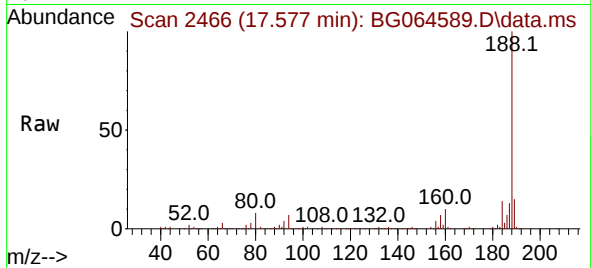




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

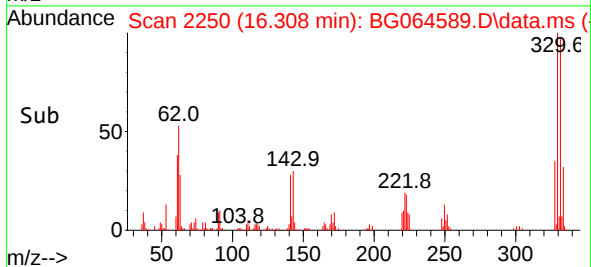
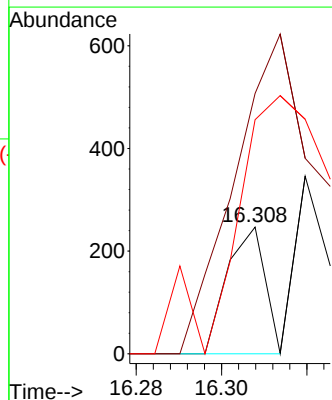
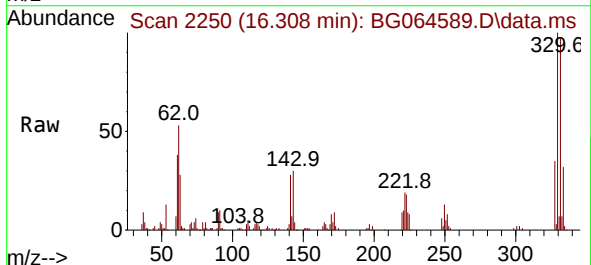
Instrument :
BNA_G
ClientSampleId :
TP-9

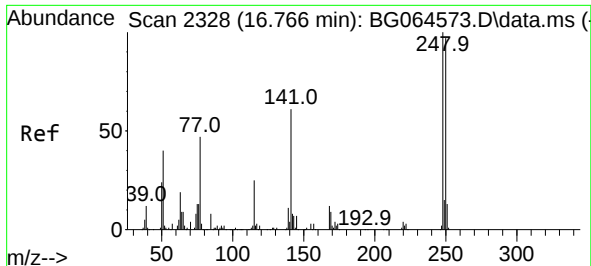
Tgt Ion:188 Resp: 279774
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.9 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.536 ng
RT: 16.308 min Scan# 2250
Delta R.T. 0.361 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

Tgt Ion:198 Resp: 152
Ion Ratio Lower Upper
198 100
51 205.3 24.7 64.7#
105 184.6 18.0 58.0#

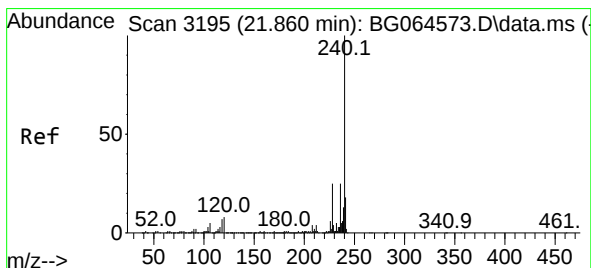
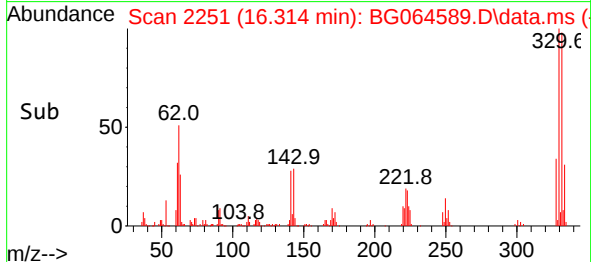
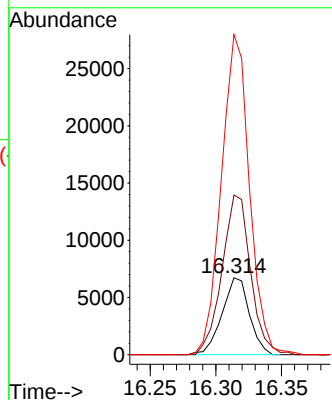
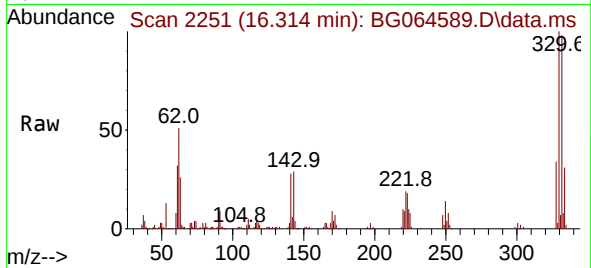




#67
4-Bromophenyl-phenylether
Concen: 2.936 ng
RT: 16.314 min Scan# 211
Delta R.T. -0.456 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

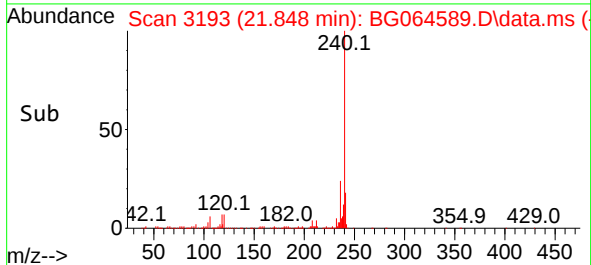
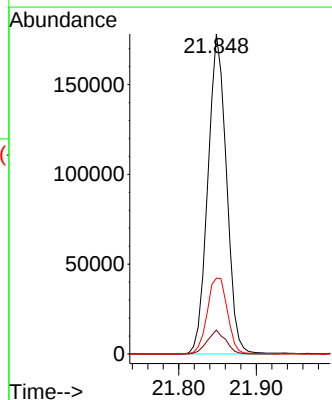
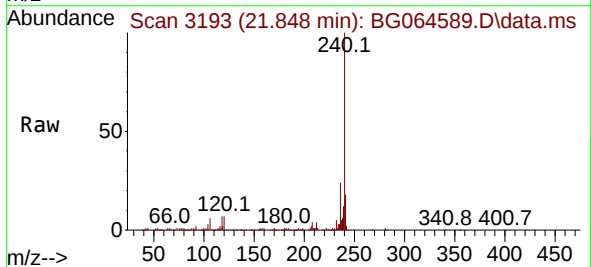
Instrument :
BNA_G
ClientSampleId :
TP-9

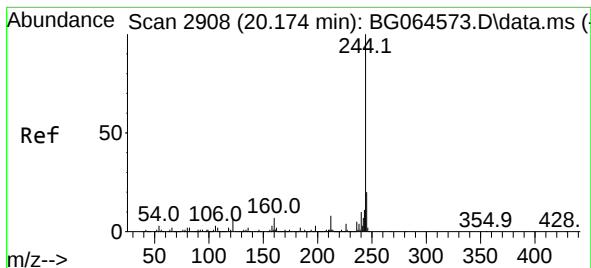
Tgt Ion:248 Resp: 9734
Ion Ratio Lower Upper
248 100
250 271.7 77.7 116.5#
141 415.5 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064589.D
Acq: 27 Oct 2025 16:03

Tgt Ion:240 Resp: 296862
Ion Ratio Lower Upper
240 100
120 7.5 6.5 9.7
236 23.7 20.2 30.2





#79

Terphenyl-d14

Concen: 59.341 ng

RT: 20.168 min Scan# 2907

Delta R.T. -0.009 min

Lab File: BG064589.D

Acq: 27 Oct 2025 16:03

Instrument :

BNA_G

ClientSampleId :

TP-9

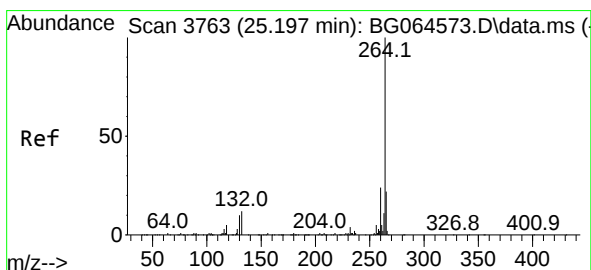
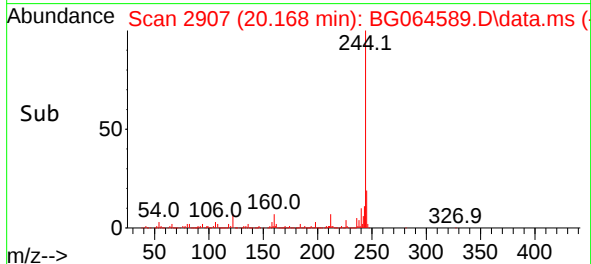
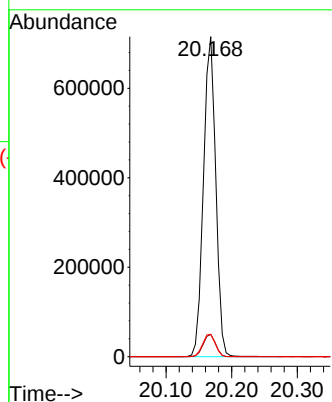
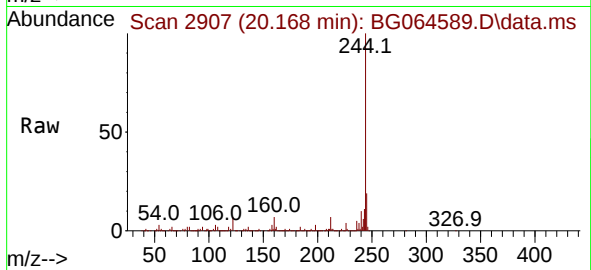
Tgt Ion:244 Resp: 933462

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 7.0 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.186 min Scan# 3761

Delta R.T. -0.015 min

Lab File: BG064589.D

Acq: 27 Oct 2025 16:03

Tgt Ion:264 Resp: 319637

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 20.4 17.6 26.4

