

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064935.D
 Acq On : 11 Dec 2025 15:33
 Operator : RC/JU
 Sample : PB170874TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170874TB

Quant Time: Dec 11 16:31:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

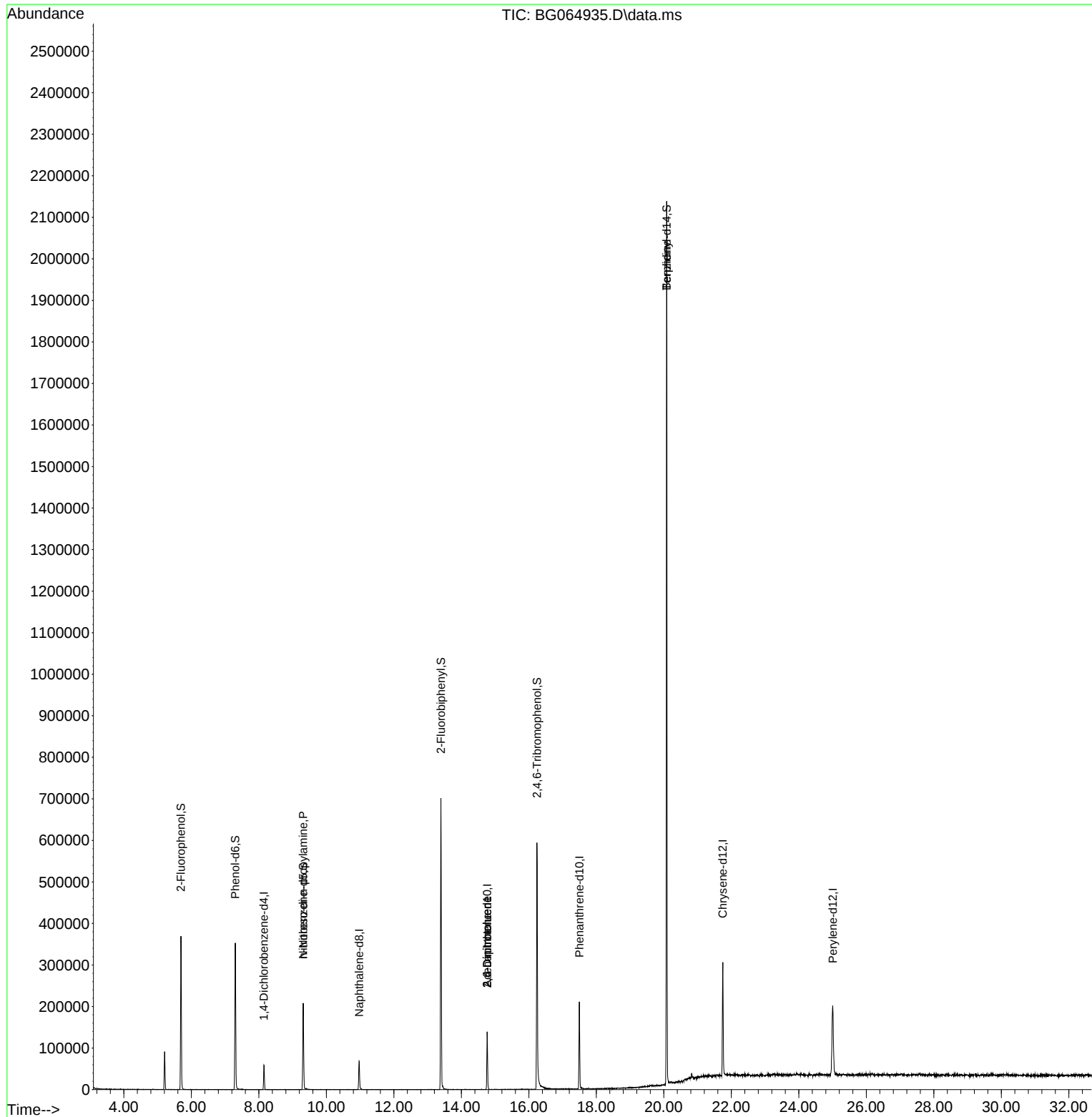
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.150	152	17348	20.000	ng	-0.02
21) Naphthalene-d8	10.970	136	65024	20.000	ng	#-0.02
39) Acenaphthene-d10	14.766	164	56650	20.000	ng	-0.01
64) Phenanthrene-d10	17.498	188	149344	20.000	ng	# 0.00
76) Chrysene-d12	21.746	240	196781	20.000	ng	#-0.01
86) Perylene-d12	25.007	264	223958	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	145100	146.055	ng	0.00
7) Phenol-d6	7.304	99	181931	137.686	ng	0.00
23) Nitrobenzene-d5	9.313	82	120233	91.423	ng	-0.02
42) 2,4,6-Tribromophenol	16.240	330	174144	157.618	ng	-0.01
45) 2-Fluorobiphenyl	13.397	172	398720	98.208	ng	-0.01
79) Terphenyl-d14	20.083	244	1149733	114.931	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.313	70	17363	19.434	ng	# 69
51) 2,6-Dinitrotoluene	14.766	165	7672	8.910	ng	# 21
57) 2,4-Dinitrotoluene	14.766	165	7673	5.944	ng	# 24
77) Benzidine	20.083	184	16194	2.748	ng	99

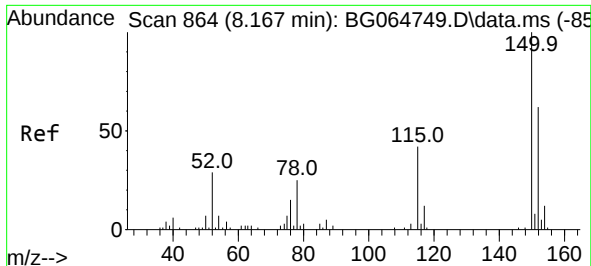
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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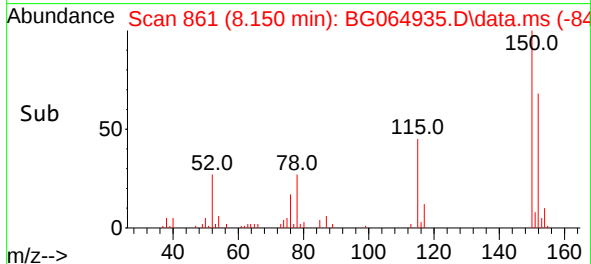
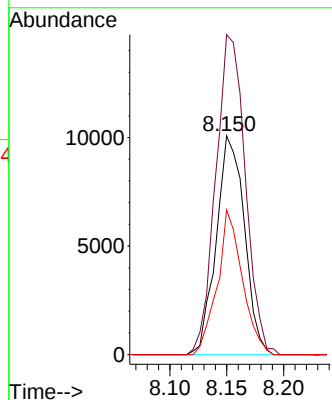
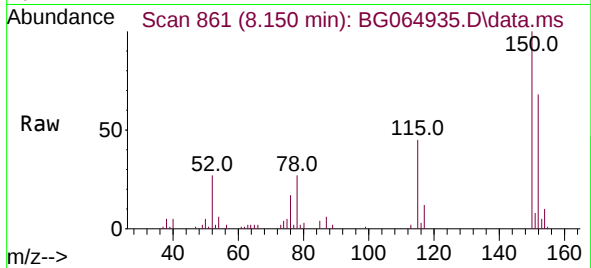




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.150 min Scan# 80
Delta R.T. -0.017 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

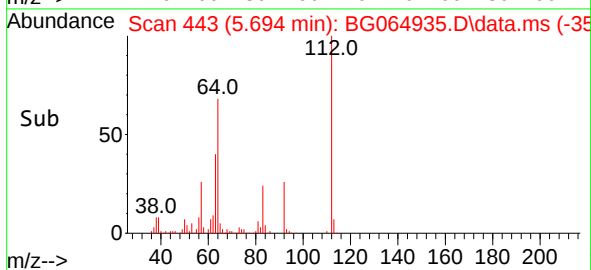
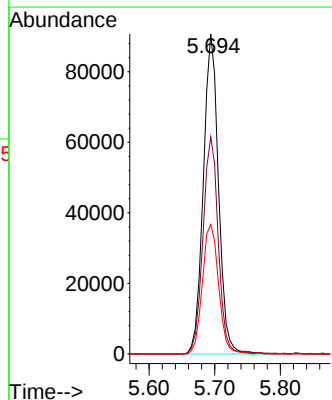
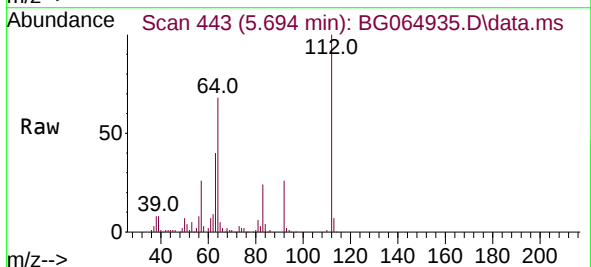
Instrument :
BNA_G
ClientSampleId :
PB170874TB

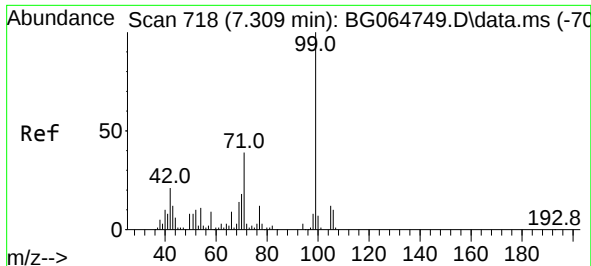
Tgt Ion:152 Resp: 17348
Ion Ratio Lower Upper
152 100
150 146.2 129.2 193.8
115 66.1 53.7 80.5



#5
2-Fluorophenol
Concen: 146.055 ng
RT: 5.694 min Scan# 443
Delta R.T. -0.006 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

Tgt Ion:112 Resp: 145100
Ion Ratio Lower Upper
112 100
64 67.8 61.0 91.4
63 40.4 33.3 49.9

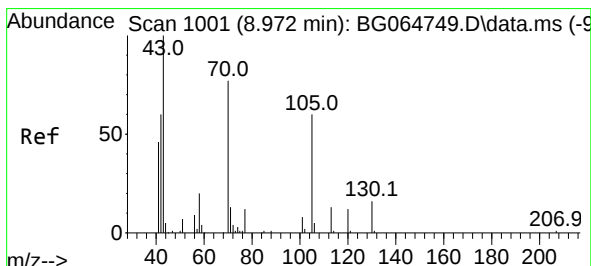
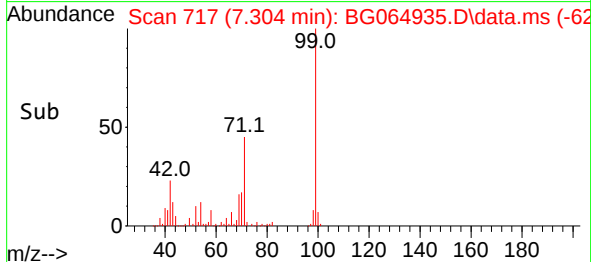
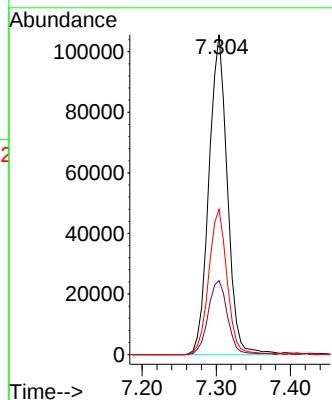
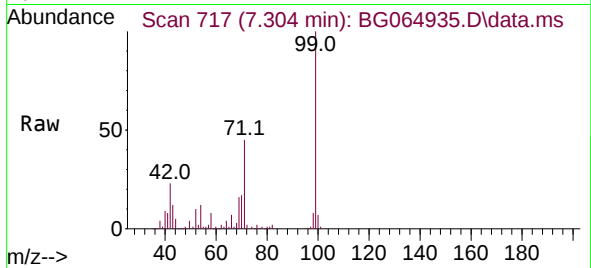




#7
Phenol-d6
Concen: 137.686 ng
RT: 7.304 min Scan# 718
Delta R.T. -0.006 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

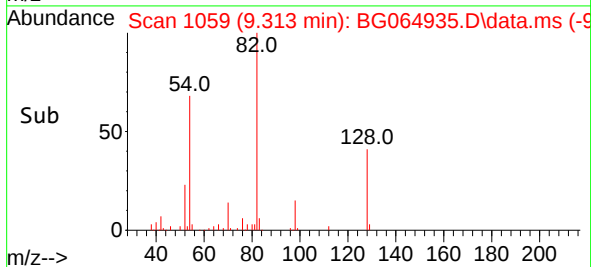
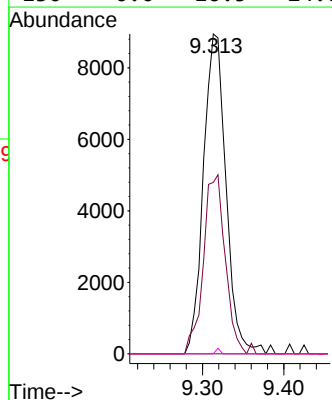
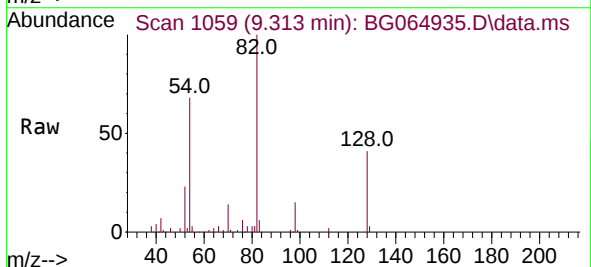
Instrument :
BNA_G
ClientSampleId :
PB170874TB

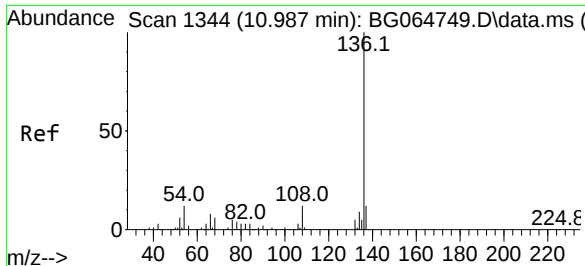
Tgt Ion: 99 Resp: 181931
Ion Ratio Lower Upper
99 100
42 23.1 16.8 25.2
71 45.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 19.434 ng
RT: 9.313 min Scan# 1059
Delta R.T. 0.341 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

Tgt Ion: 70 Resp: 17363
Ion Ratio Lower Upper
70 100
42 53.6 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

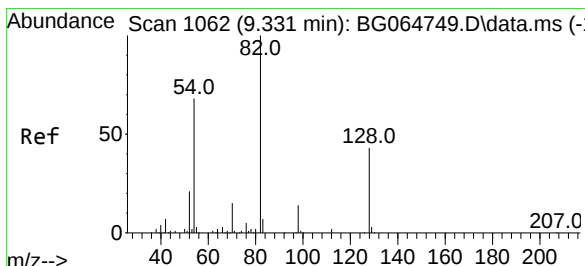
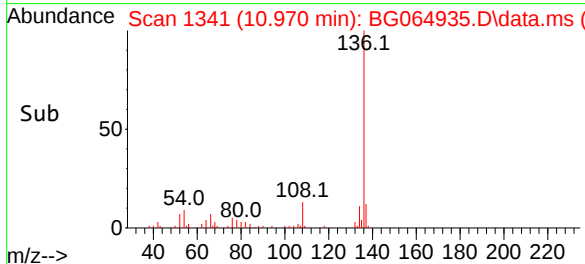
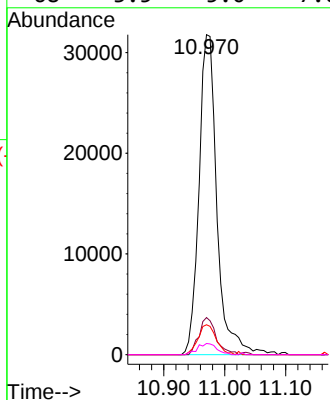
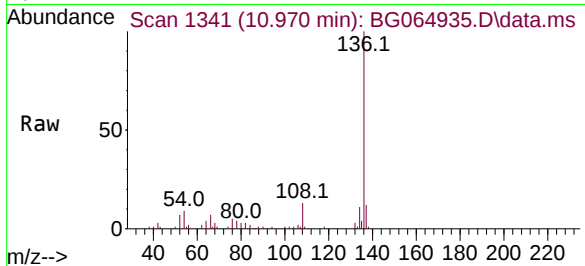




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 1344
Delta R.T. -0.017 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

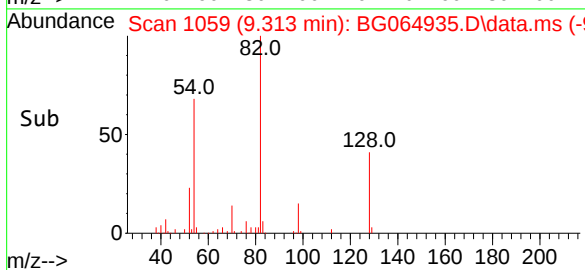
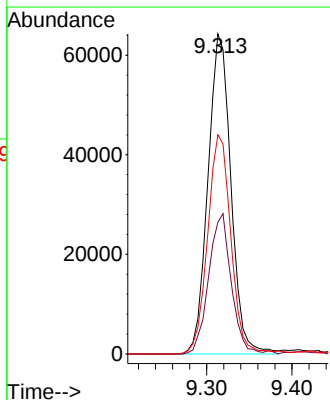
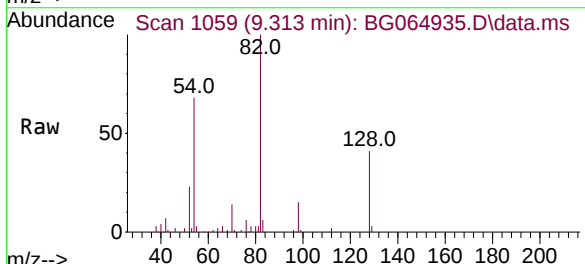
Instrument :
BNA_G
ClientSampleId :
PB170874TB

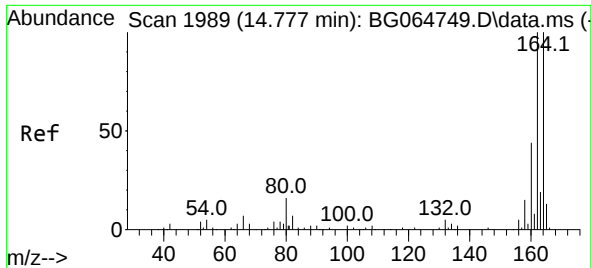
Tgt Ion:136	Resp:	65024
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.3 13.9
54	9.3	9.3 13.9
68	3.5	5.0 7.6



#23
Nitrobenzene-d5
Concen: 91.423 ng
RT: 9.313 min Scan# 1059
Delta R.T. -0.017 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

Tgt Ion: 82	Resp:	120233
Ion Ratio	Lower	Upper
82	100	
128	41.1	34.1 51.1
54	68.5	54.3 81.5

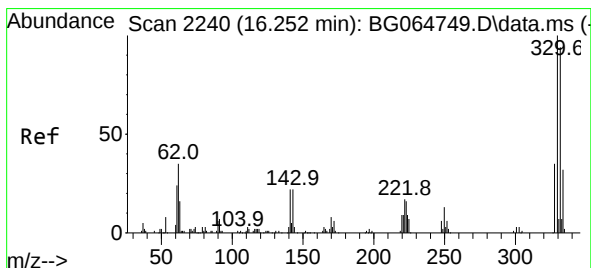
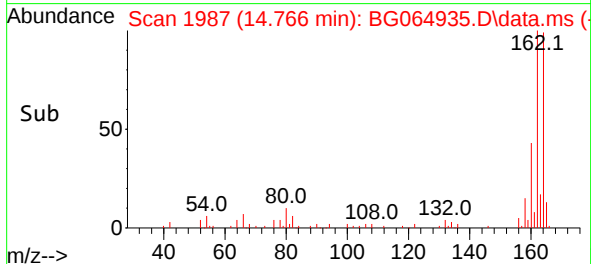
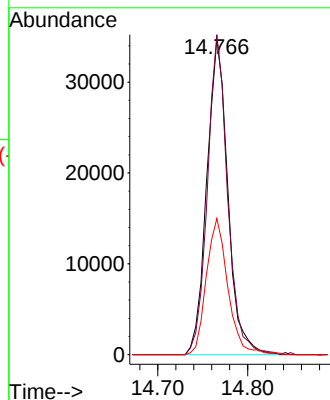
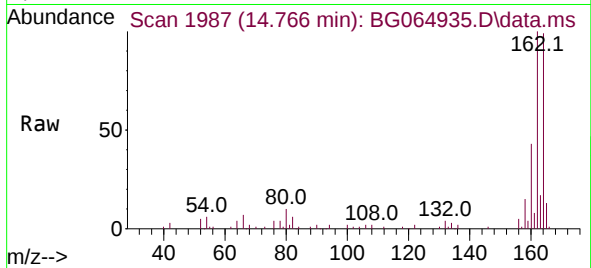




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.766 min Scan# 1989
Delta R.T. -0.012 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

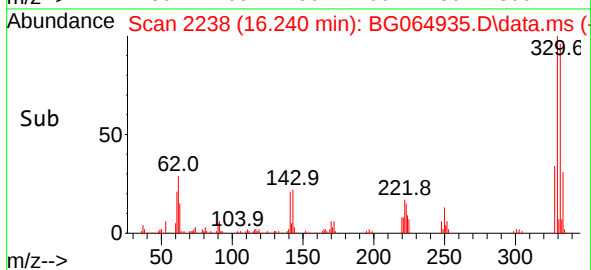
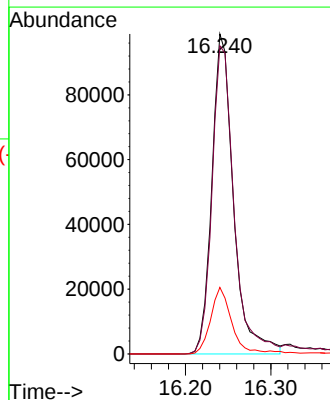
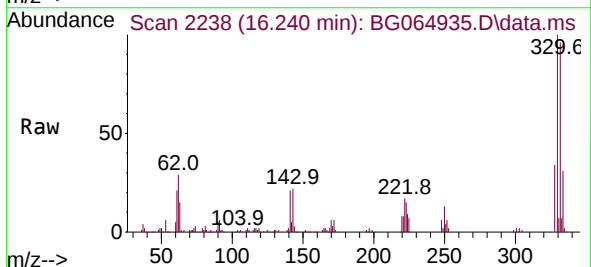
Instrument :
BNA_G
ClientSampleId :
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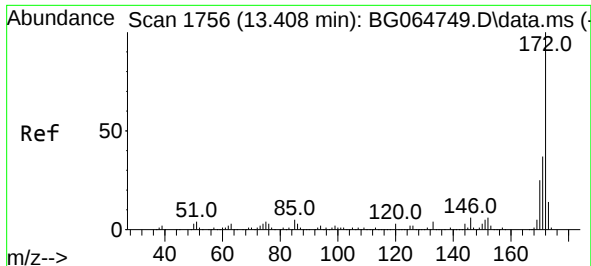
Tgt Ion:164	Resp:	56650	
Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.8	119.6
160	43.1	34.9	52.3



#42
2,4,6-Tribromophenol
Concen: 157.618 ng
RT: 16.240 min Scan# 2238
Delta R.T. -0.012 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

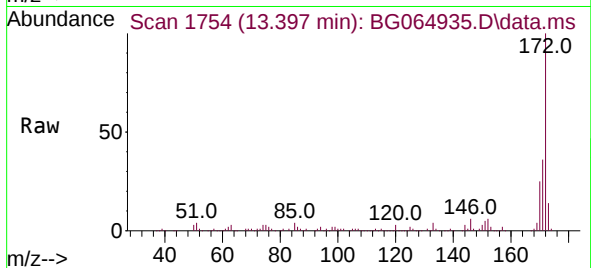
Tgt Ion:330	Resp:	174144	
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	19.8	18.2	27.2



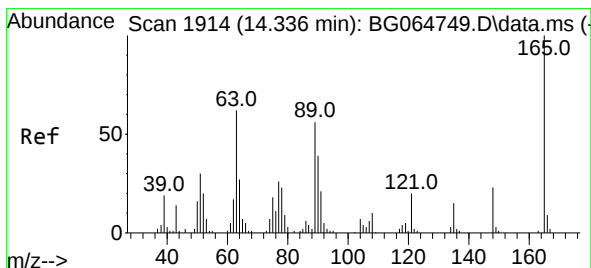
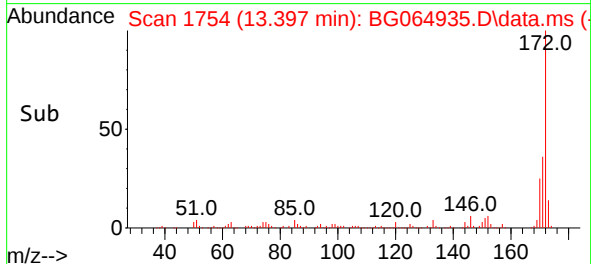
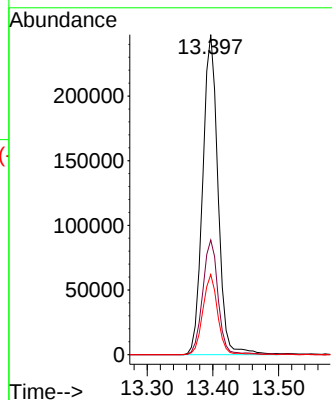


#45
2-Fluorobiphenyl
Concen: 98.208 ng
RT: 13.397 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

Instrument :
BNA_G
ClientSampleId :
PB170874TB

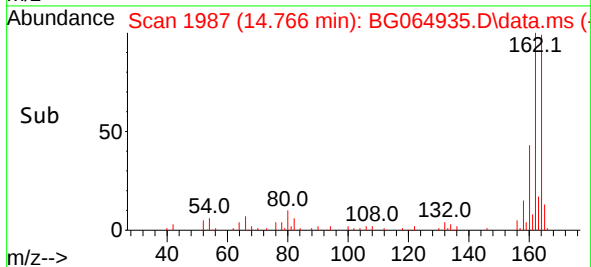
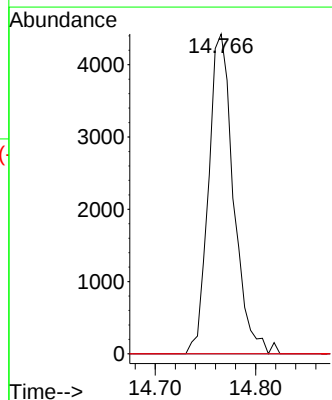
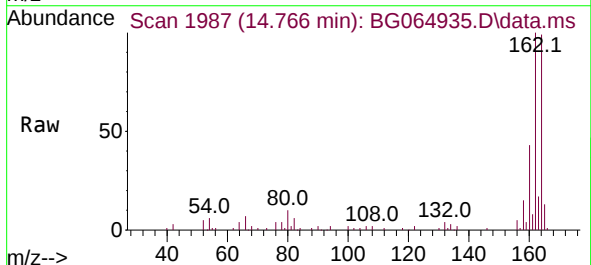


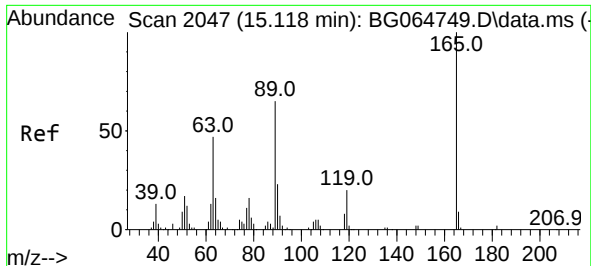
Tgt Ion:172 Resp: 398720
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 25.0 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.910 ng
RT: 14.766 min Scan# 1987
Delta R.T. 0.429 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

Tgt Ion:165 Resp: 7672
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

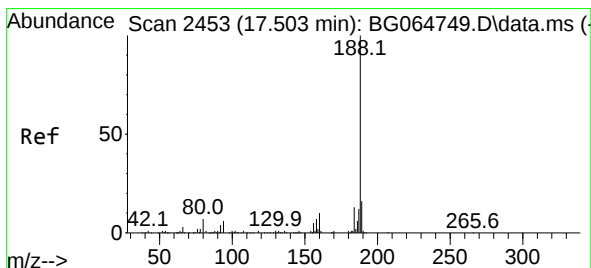
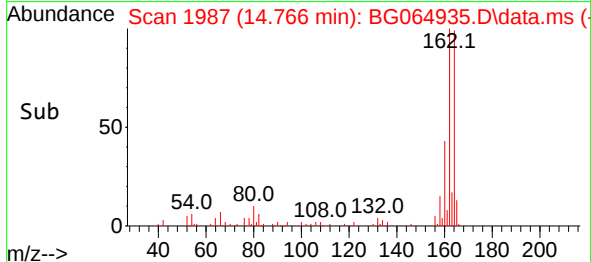
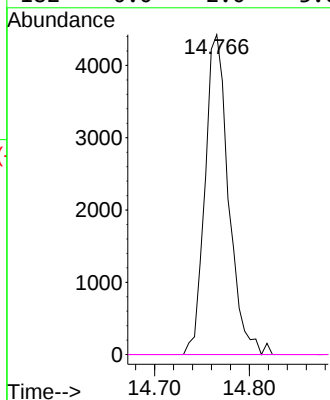
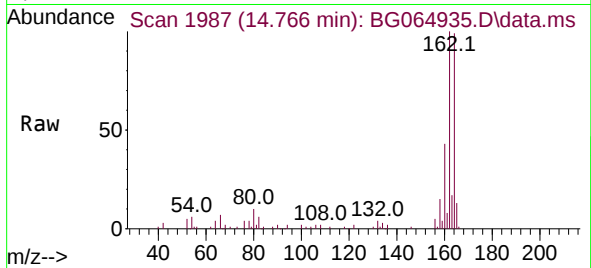




#57
2,4-Dinitrotoluene
Concen: 5.944 ng
RT: 14.766 min Scan# 1987
Delta R.T. -0.352 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

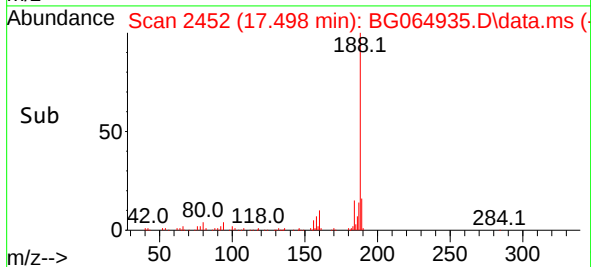
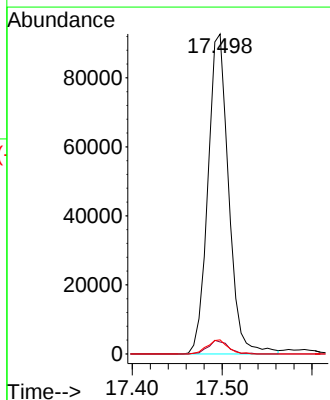
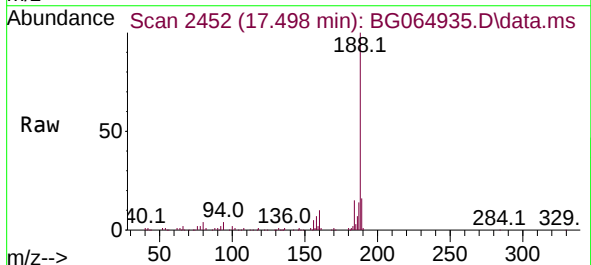
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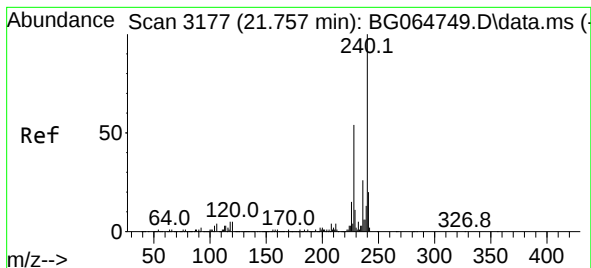
Tgt Ion:165 Resp: 7673
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BG064935.D
Acq: 11 Dec 2025 15:33

Tgt Ion:188 Resp: 149344
Ion Ratio Lower Upper
188 100
94 3.7 4.7 7.1#
80 4.4 5.4 8.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.746 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064935.D

Acq: 11 Dec 2025 15:33

Instrument :

BNA_G

ClientSampleId :

PB170874TB

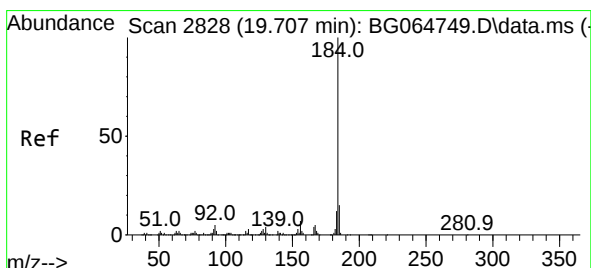
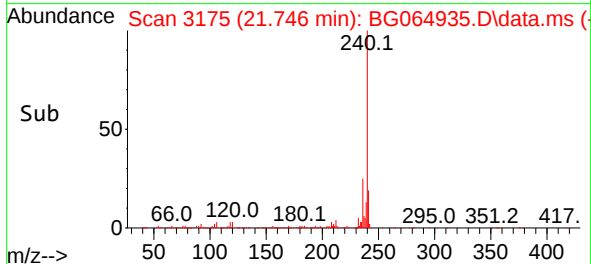
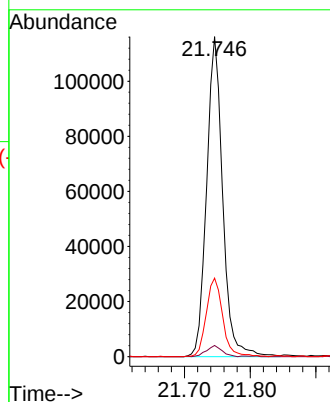
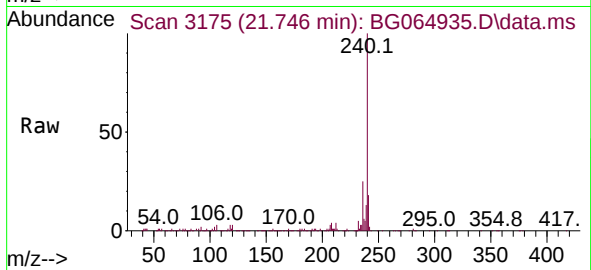
Tgt Ion:240 Resp: 196781

Ion Ratio Lower Upper

240 100

120 3.5 4.2 6.4#

236 24.5 20.8 31.2



#77

Benzidine

Concen: 2.748 ng

RT: 20.083 min Scan# 2892

Delta R.T. 0.376 min

Lab File: BG064935.D

Acq: 11 Dec 2025 15:33

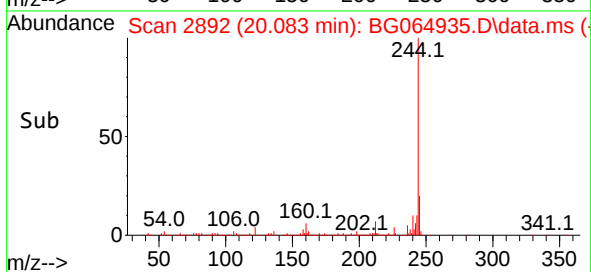
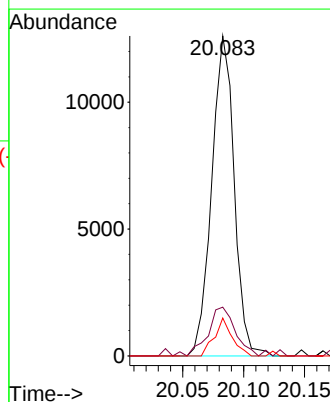
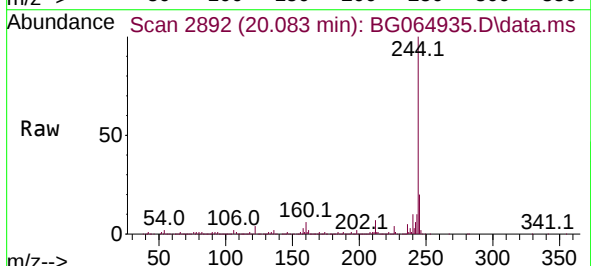
Tgt Ion:184 Resp: 16194

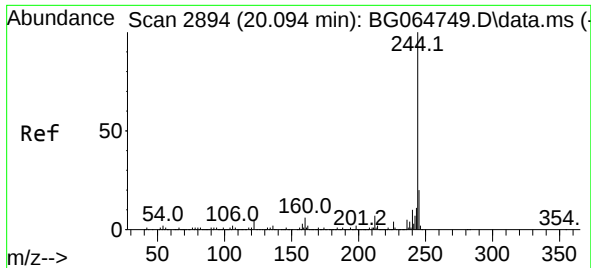
Ion Ratio Lower Upper

184 100

185 15.2 11.8 17.6

183 11.8 9.8 14.6

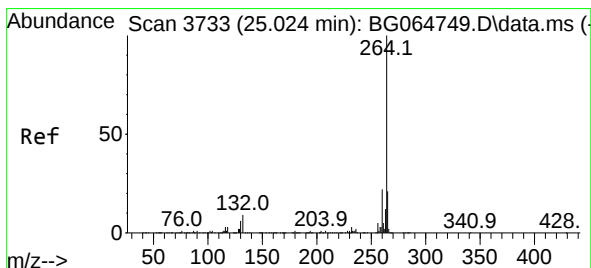
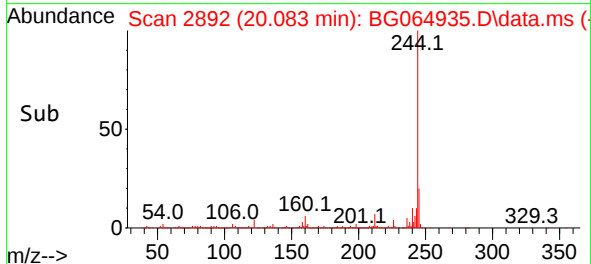
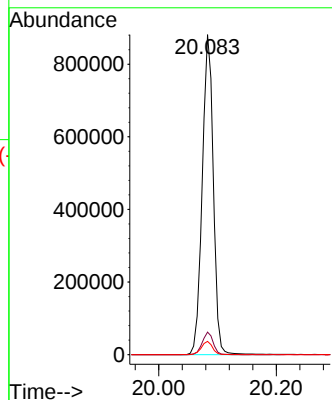
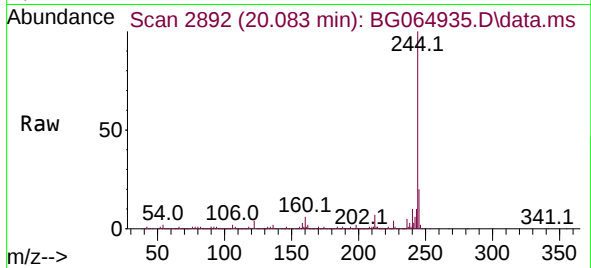




#79
 Terphenyl-d14
 Concen: 114.931 ng
 RT: 20.083 min Scan# 2892
 Delta R.T. -0.012 min
 Lab File: BG064935.D
 Acq: 11 Dec 2025 15:33

Instrument :
 BNA_G
 ClientSampleId :
 PB170874TB

Tgt Ion:244 Resp: 1149733
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 4.2 4.3 6.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.007 min Scan# 3730
 Delta R.T. -0.017 min
 Lab File: BG064935.D
 Acq: 11 Dec 2025 15:33

Tgt Ion:264 Resp: 223958
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.2 25.8
 265 20.0 16.6 25.0

