

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064939.D
 Acq On : 11 Dec 2025 18:16
 Operator : RC/JU
 Sample : Q3814-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Quant Time: Dec 11 22:42:45 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)

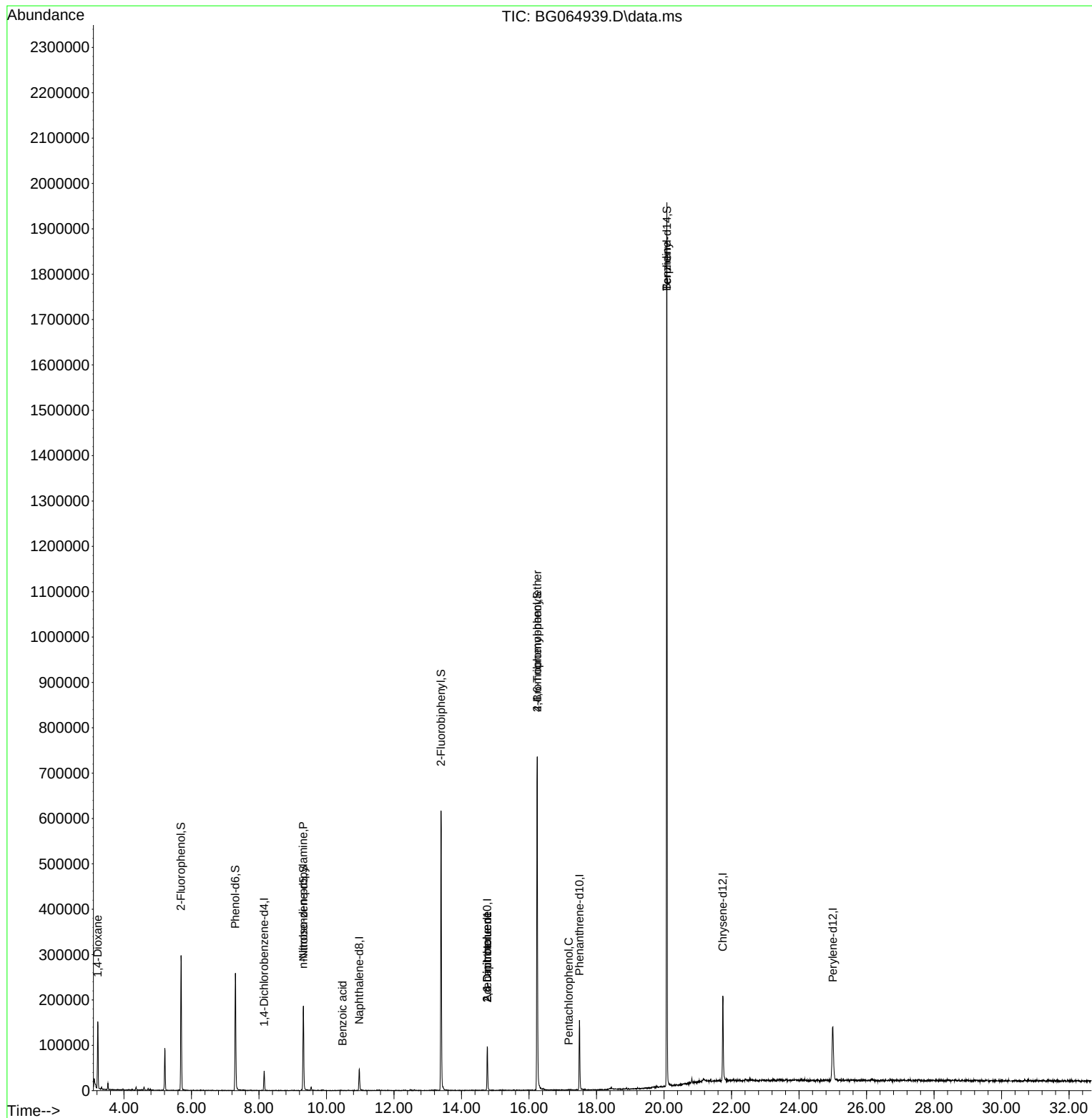
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	12753	20.000	ng	-0.02
21) Naphthalene-d8	10.972	136	45681	20.000	ng	#-0.01
39) Acenaphthene-d10	14.762	164	41364	20.000	ng	-0.02
64) Phenanthrene-d10	17.494	188	113815	20.000	ng	# 0.00
76) Chrysene-d12	21.742	240	150678	20.000	ng	#-0.02
86) Perylene-d12	25.003	264	161616	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	120174	164.549	ng	0.00
7) Phenol-d6	7.300	99	138971	143.069	ng	0.00
23) Nitrobenzene-d5	9.315	82	103418	111.934	ng	-0.02
42) 2,4,6-Tribromophenol	16.243	330	209624	259.845	ng	0.00
45) 2-Fluorobiphenyl	13.393	172	355226	119.829	ng	-0.02
79) Terphenyl-d14	20.085	244	1089703	142.260	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.222	88	1391	4.920	ng	# 1
19) n-Nitroso-di-n-propyla...	9.309	70	14574	22.190	ng	# 69
32) Benzoic acid	10.473	122	67	5.993	ng	# 1
51) 2,6-Dinitrotoluene	14.762	165	5303	8.434	ng	# 21
57) 2,4-Dinitrotoluene	14.762	165	5303	5.626	ng	# 24
67) 4-Bromophenyl-phenylether	16.243	248	12581	8.417	ng	# 1
70) Pentachlorophenol	17.177	266	207	6.321	ng	# 53
77) Benzidine	20.079	184	14939	3.311	ng	# 92

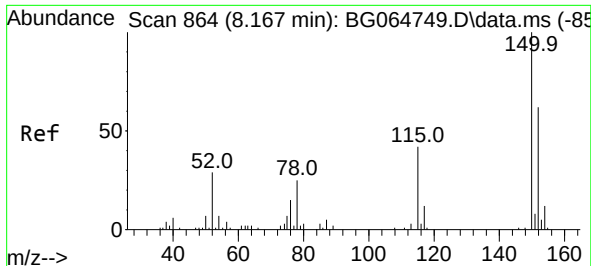
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
Data File : BG064939.D
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Operator : RC/JU
Sample : Q3814-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-6

Quant Time: Dec 11 22:42:45 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
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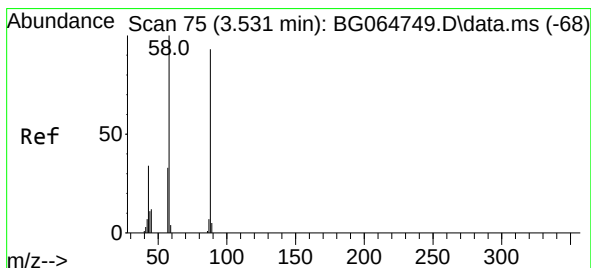
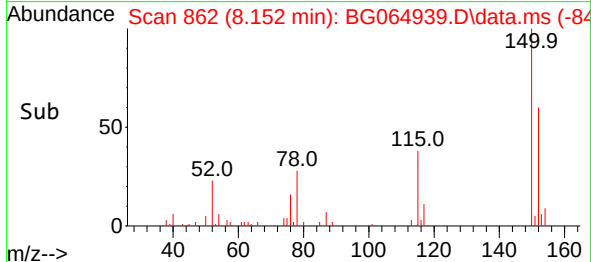
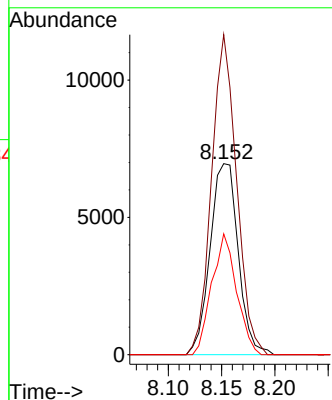
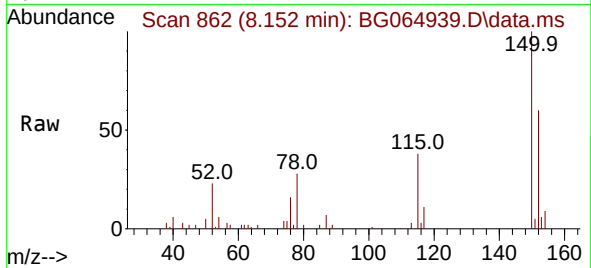




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.152 min Scan# 80
 Delta R.T. -0.015 min
 Lab File: BG064939.D
 Acq: 11 Dec 2025 18:16

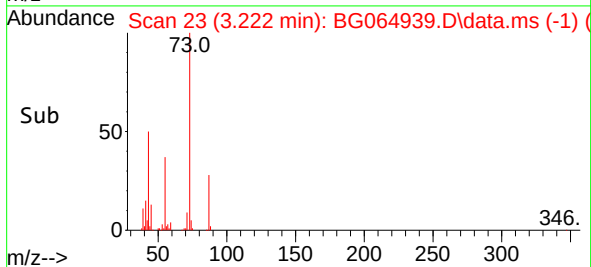
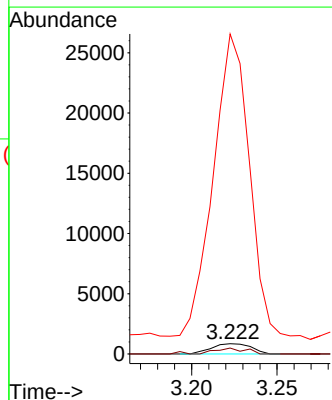
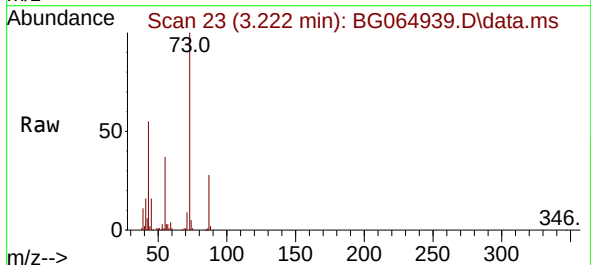
Instrument :
 BNA_G
 ClientSampleId :
 TP-6

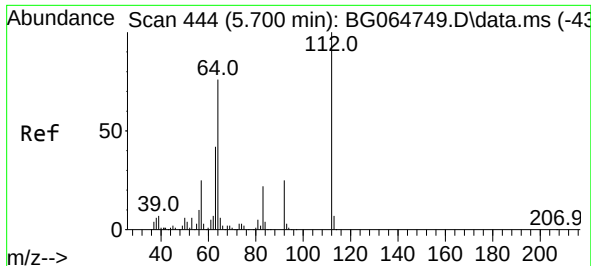
Tgt Ion:152 Resp: 12753
 Ion Ratio Lower Upper
 152 100
 150 167.5 129.2 193.8
 115 63.2 53.7 80.5



#2
 1,4-Dioxane
 Concen: 4.920 ng
 RT: 3.222 min Scan# 23
 Delta R.T. -0.309 min
 Lab File: BG064939.D
 Acq: 11 Dec 2025 18:16

Tgt Ion: 88 Resp: 1391
 Ion Ratio Lower Upper
 88 100
 58 43.4 84.6 126.8#
 43 2743.6 30.0 45.0#

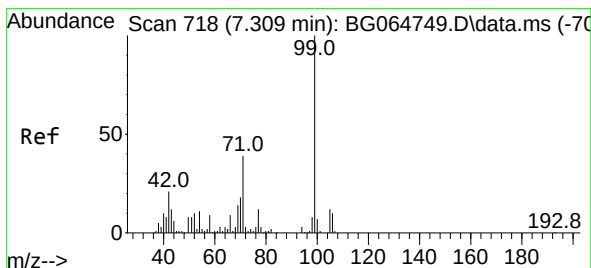
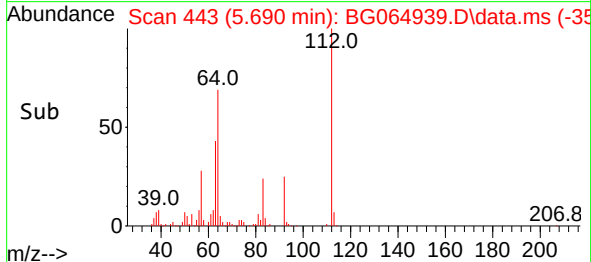
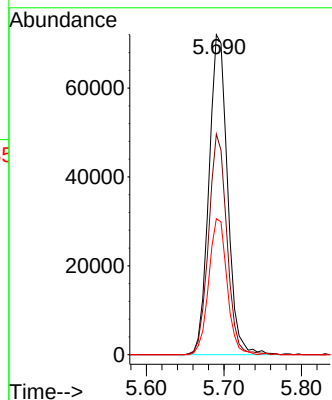
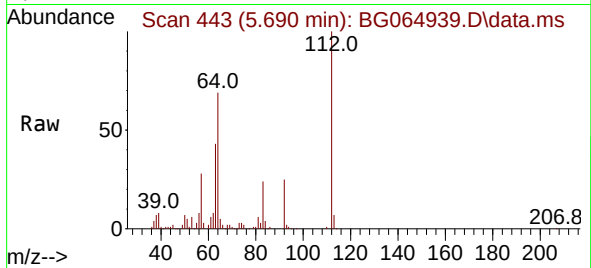




#5
2-Fluorophenol
Concen: 164.549 ng
RT: 5.690 min Scan# 444
Delta R.T. -0.009 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

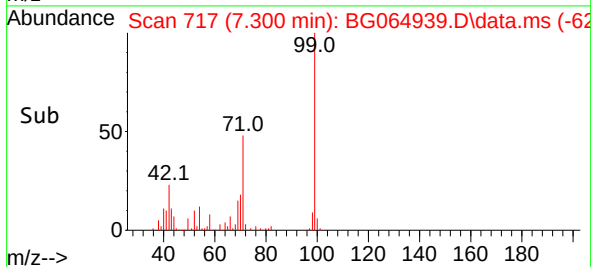
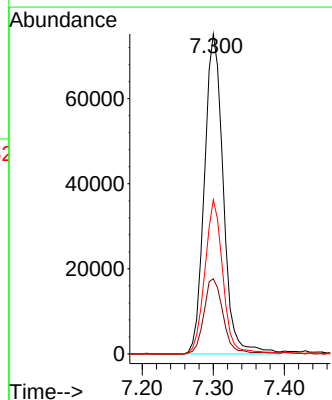
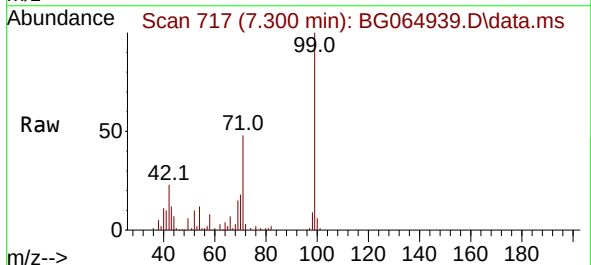
Instrument :
BNA_G
ClientSampleId :
TP-6

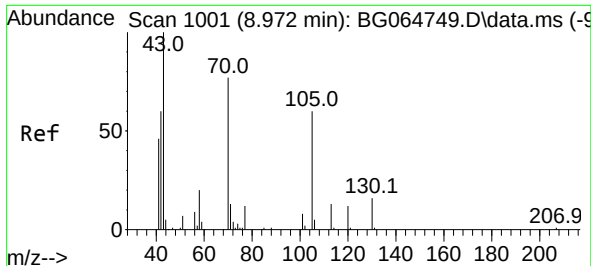
Tgt Ion:112 Resp: 120174
Ion Ratio Lower Upper
112 100
64 69.0 61.0 91.4
63 42.5 33.3 49.9



#7
Phenol-d6
Concen: 143.069 ng
RT: 7.300 min Scan# 717
Delta R.T. -0.009 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

Tgt Ion: 99 Resp: 138971
Ion Ratio Lower Upper
99 100
42 23.5 16.8 25.2
71 48.2 31.1 46.7#

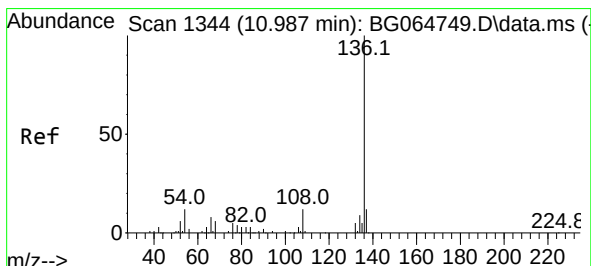
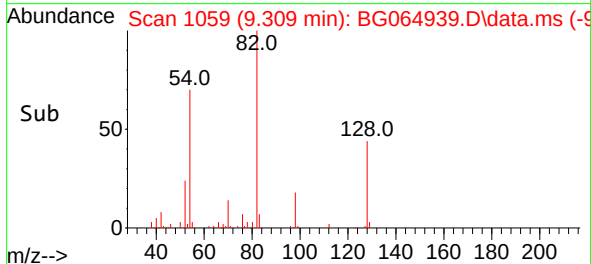
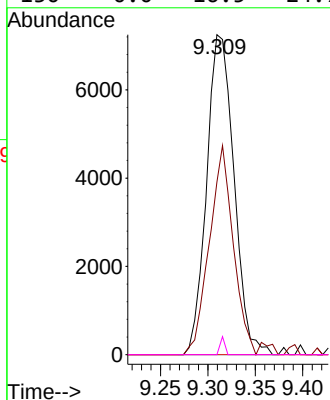
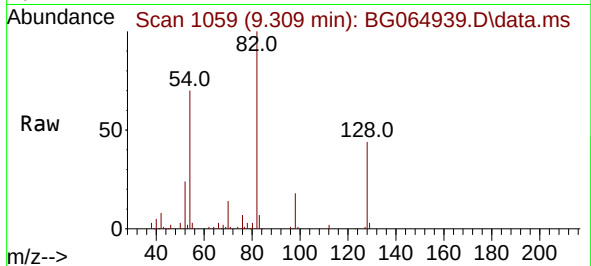




#19
n-Nitroso-di-n-propylamine
Concen: 22.190 ng
RT: 9.309 min Scan# 1001
Delta R.T. 0.337 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

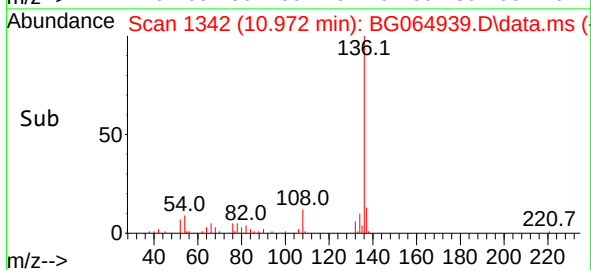
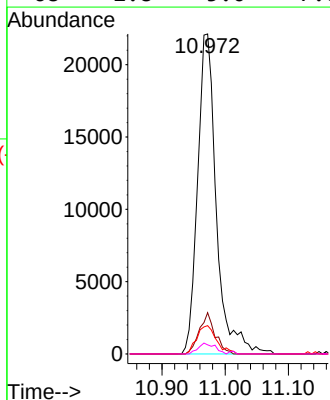
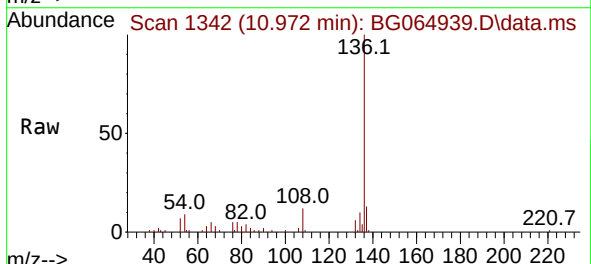
Instrument :
BNA_G
ClientSampleId :
TP-6

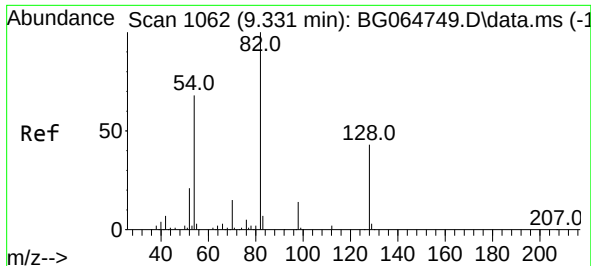
Tgt Ion:	70	Resp:	14574
Ion	Ratio	Lower	Upper
70	100		
42	53.9	62.6	93.8#
101	0.0	8.0	12.0#
130	0.0	16.5	24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.972 min Scan# 1342
Delta R.T. -0.015 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

Tgt Ion:	136	Resp:	45681
Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.3	13.9
54	8.9	9.3	13.9#
68	2.8	5.0	7.6#

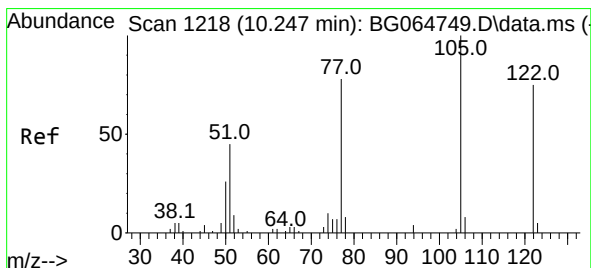
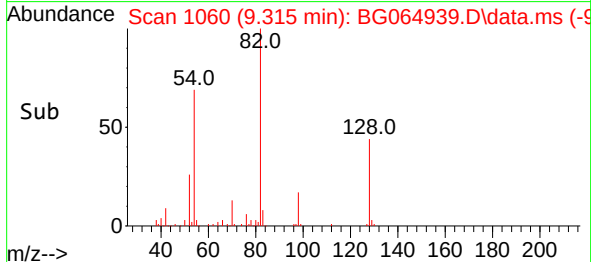
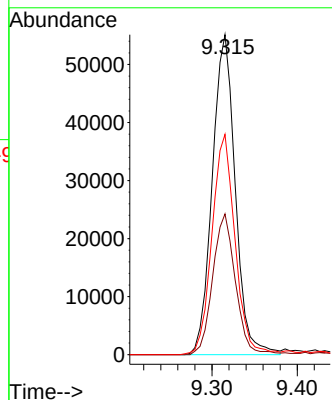
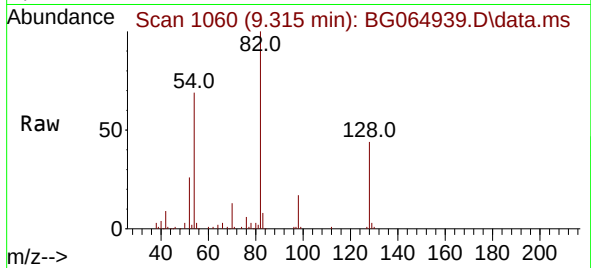




#23
Nitrobenzene-d5
Concen: 111.934 ng
RT: 9.315 min Scan# 1060
Delta R.T. -0.015 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

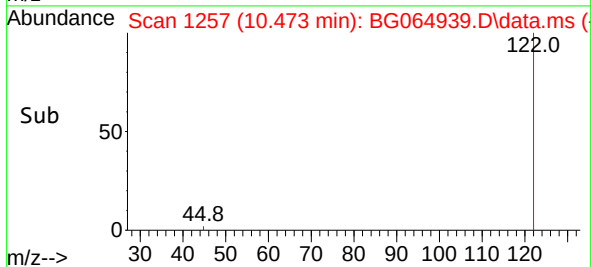
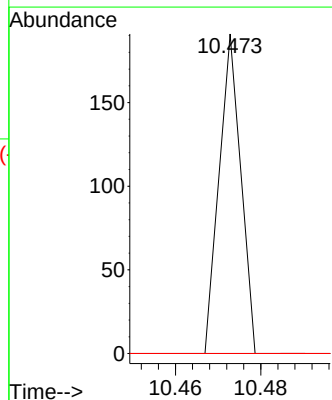
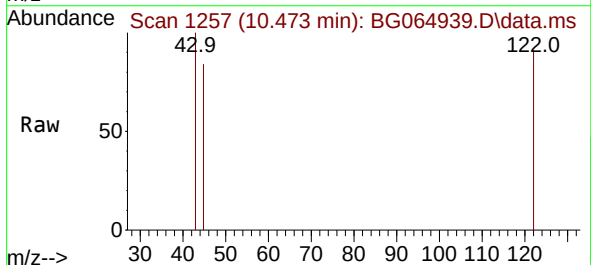
Instrument :
BNA_G
ClientSampleId :
TP-6

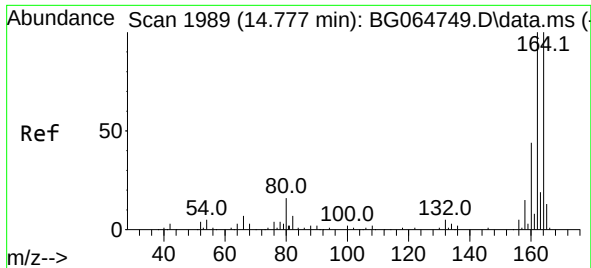
Tgt Ion: 82 Resp: 103418
Ion Ratio Lower Upper
82 100
128 44.0 34.1 51.1
54 68.9 54.3 81.5



#32
Benzoic acid
Concen: 5.993 ng
RT: 10.473 min Scan# 1257
Delta R.T. 0.226 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

Tgt Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 0.0 107.6 147.6#
77 0.0 82.5 122.5#

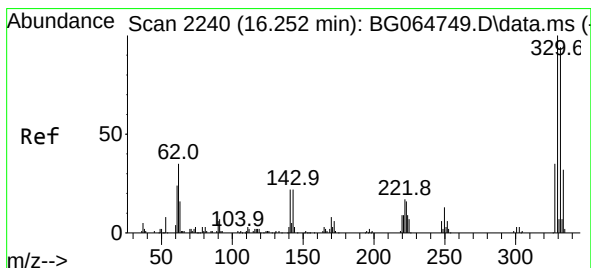
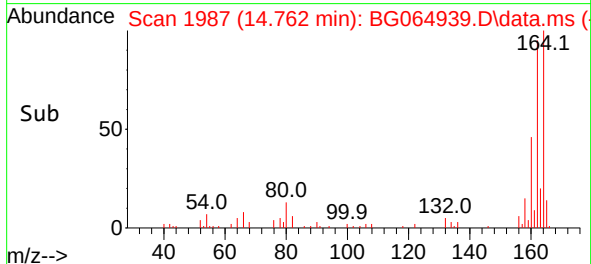
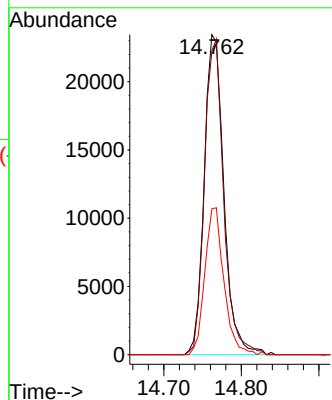
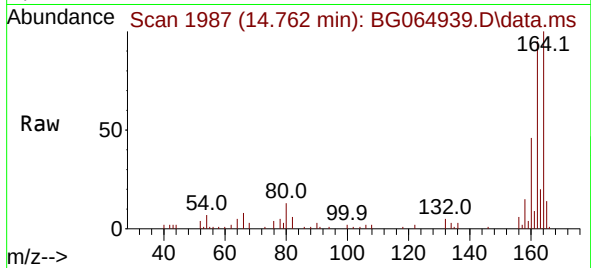




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.762 min Scan# 1987
Delta R.T. -0.015 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

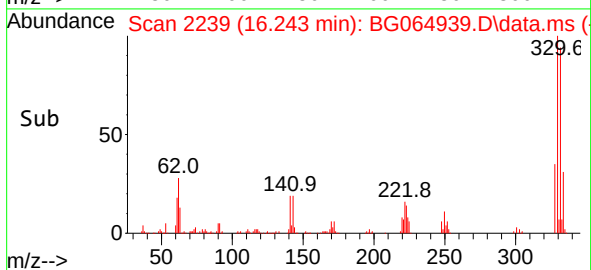
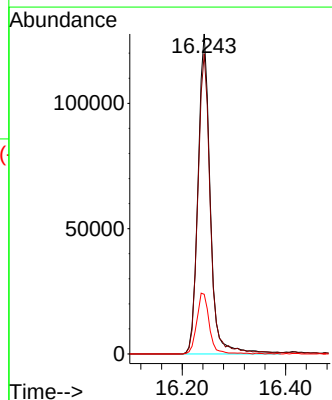
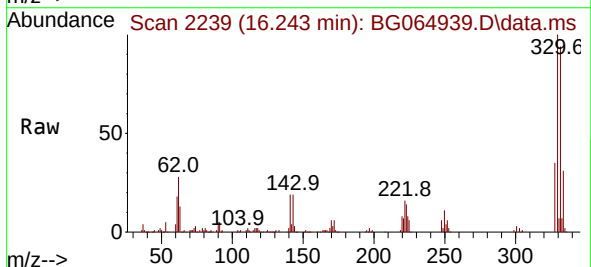
Instrument :
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ClientSampleId :
TP-6

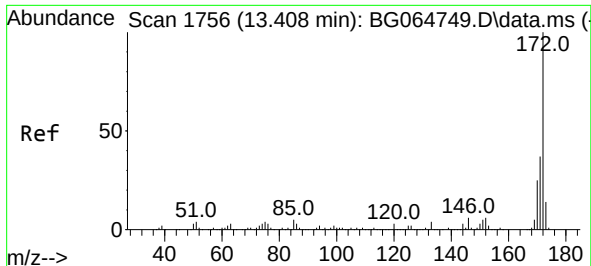
Tgt Ion:164 Resp: 41364
Ion Ratio Lower Upper
164 100
162 95.0 79.8 119.6
160 45.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 259.845 ng
RT: 16.243 min Scan# 2239
Delta R.T. -0.009 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

Tgt Ion:330 Resp: 209624
Ion Ratio Lower Upper
330 100
332 94.7 77.0 115.6
141 19.5 18.2 27.2

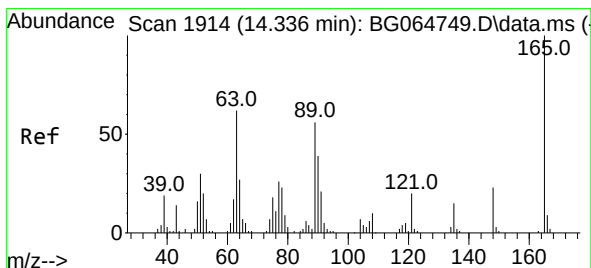
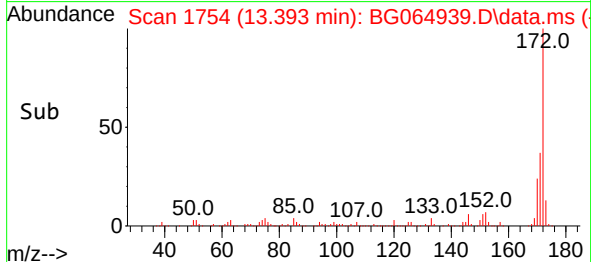
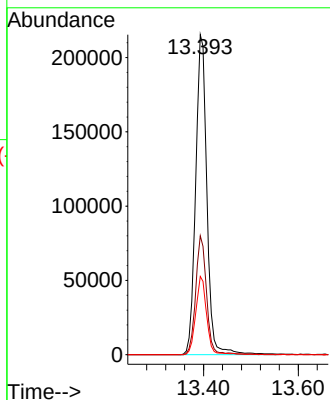
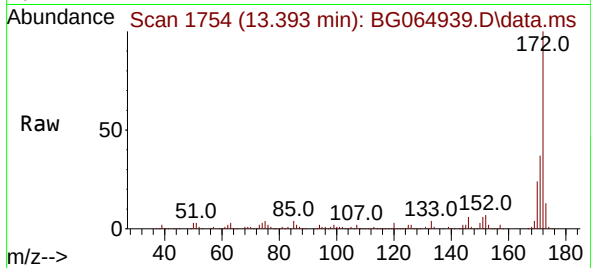




#45
2-Fluorobiphenyl
Concen: 119.829 ng
RT: 13.393 min Scan# 1
Delta R.T. -0.015 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

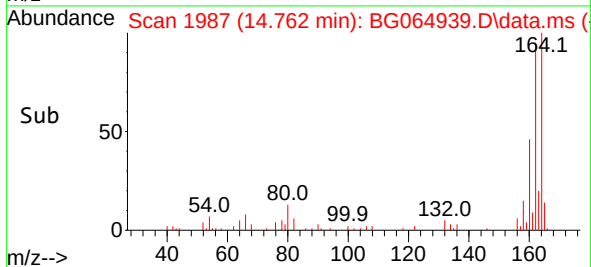
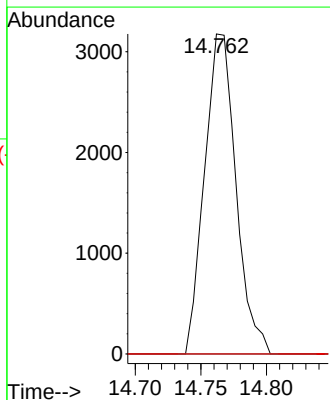
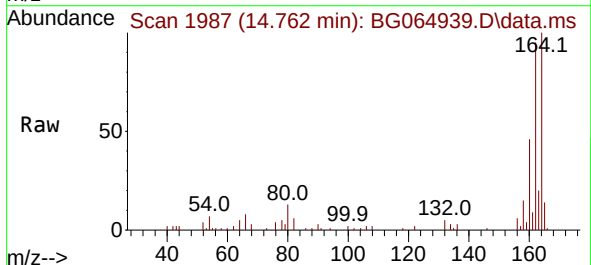
Instrument :
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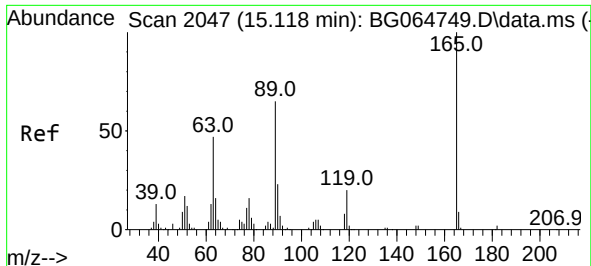
Tgt Ion:172 Resp: 355226
Ion Ratio Lower Upper
172 100
171 37.2 29.9 44.9
170 24.5 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.434 ng
RT: 14.762 min Scan# 1987
Delta R.T. 0.425 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

Tgt Ion:165 Resp: 5303
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

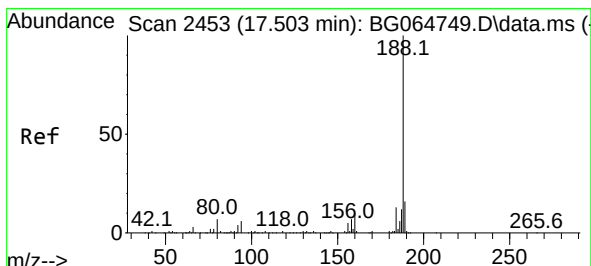
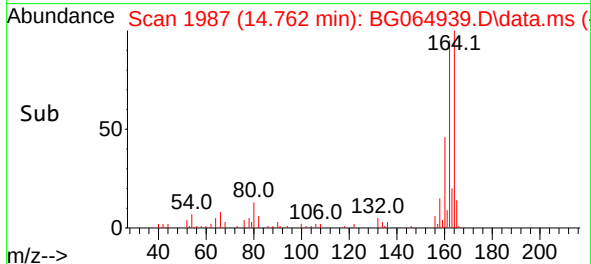
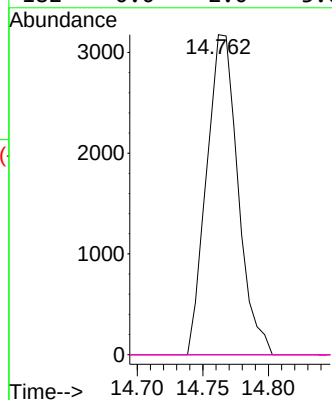
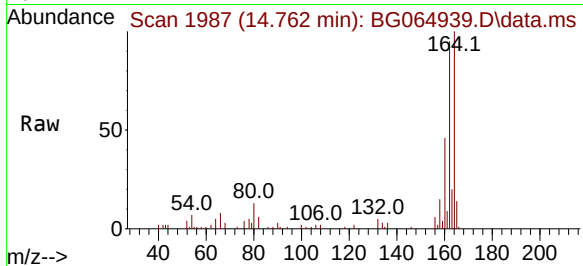




#57
2,4-Dinitrotoluene
Concen: 5.626 ng
RT: 14.762 min Scan# 1987
Delta R.T. -0.356 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

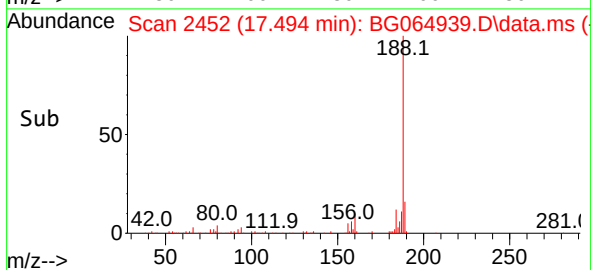
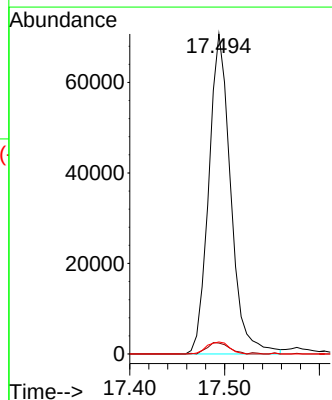
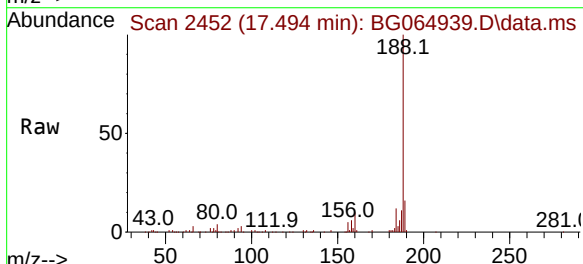
Instrument :
BNA_G
ClientSampleId :
TP-6

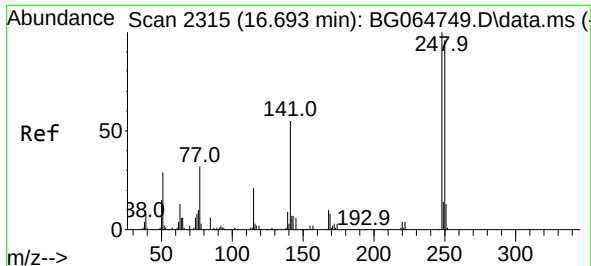
Tgt Ion:	165	Resp:	5303
Ion Ratio	Lower	Upper	
165	100		
63	0.0	37.8	56.6#
89	0.0	51.6	77.4#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.494 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

Tgt Ion:	188	Resp:	113815
Ion Ratio	Lower	Upper	
188	100		
94	3.4	4.7	7.1#
80	4.1	5.4	8.2#

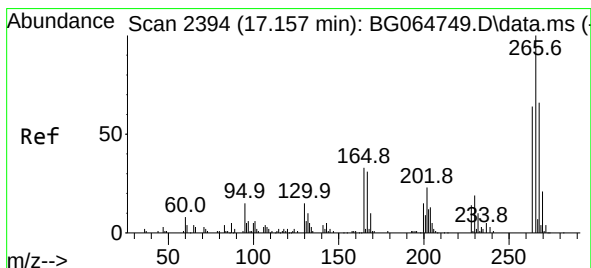
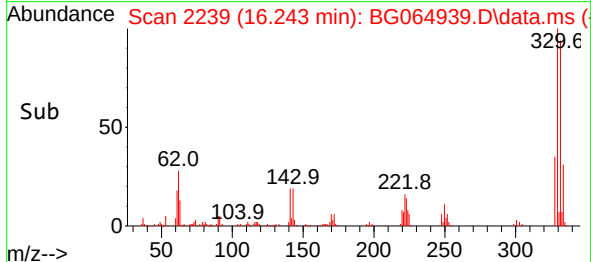
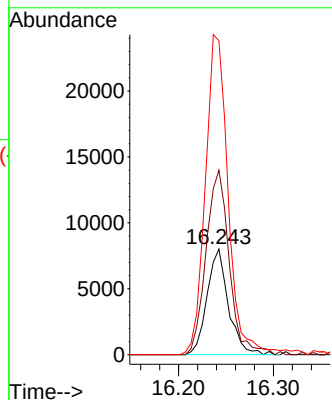
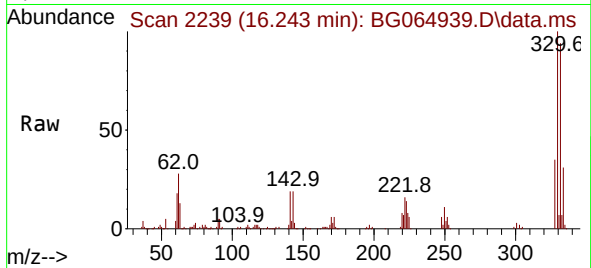




#67
4-Bromophenyl-phenylether
Concen: 8.417 ng
RT: 16.243 min Scan# 21
Delta R.T. -0.450 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

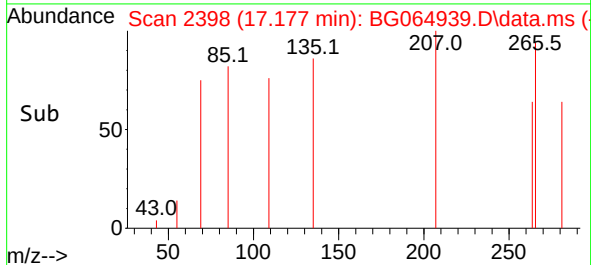
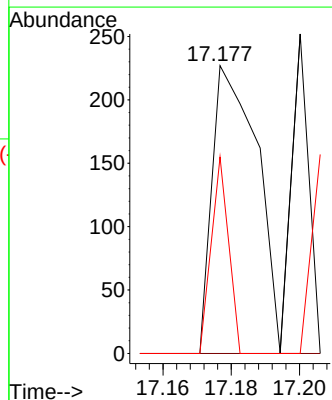
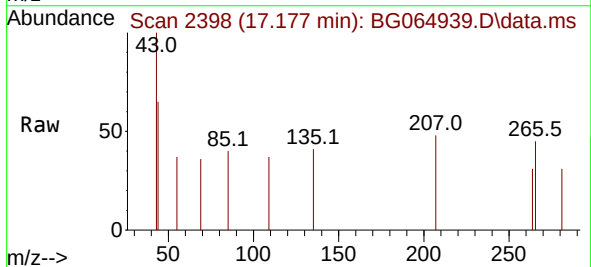
Instrument :
BNA_G
ClientSampleId :
TP-6

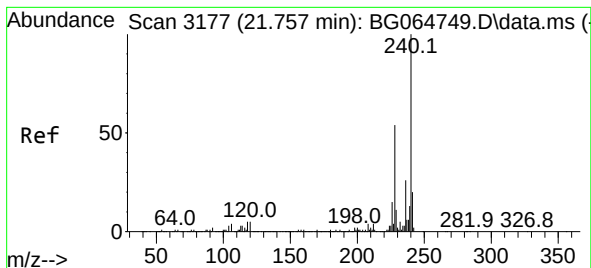
Tgt Ion:248 Resp: 12581
Ion Ratio Lower Upper
248 100
250 136.8 77.0 115.6#
141 232.9 43.7 65.5#



#70
Pentachlorophenol
Concen: 6.321 ng
RT: 17.177 min Scan# 2398
Delta R.T. 0.020 min
Lab File: BG064939.D
Acq: 11 Dec 2025 18:16

Tgt Ion:266 Resp: 207
Ion Ratio Lower Upper
266 100
268 0.0 56.1 84.1#
264 68.3 51.2 76.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.742 min Scan# 3175

Delta R.T. -0.015 min

Lab File: BG064939.D

Acq: 11 Dec 2025 18:16

Instrument :

BNA_G

ClientSampleId :

TP-6

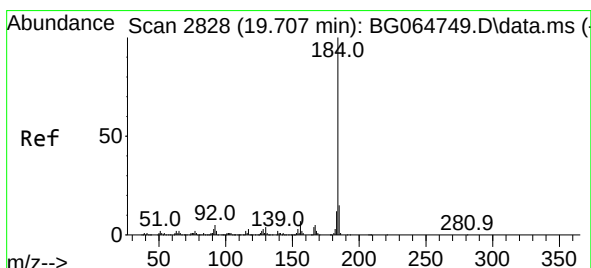
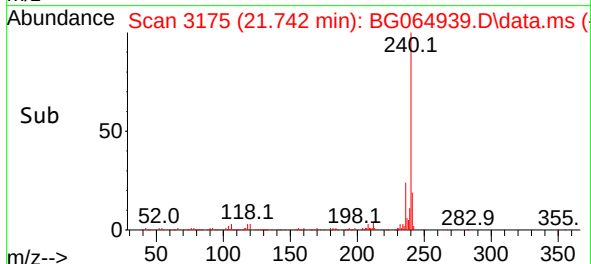
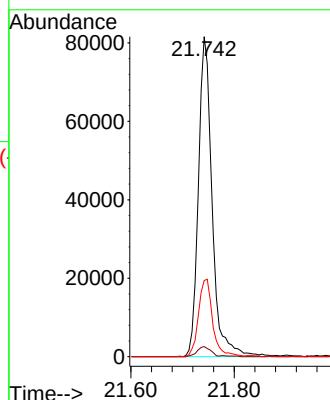
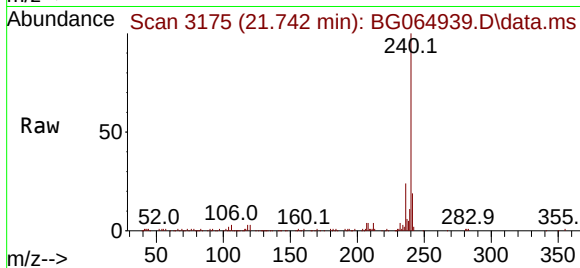
Tgt Ion:240 Resp: 150678

Ion Ratio Lower Upper

240 100

120 3.2 4.2 6.4#

236 23.8 20.8 31.2



#77

Benzidine

Concen: 3.311 ng

RT: 20.079 min Scan# 2892

Delta R.T. 0.373 min

Lab File: BG064939.D

Acq: 11 Dec 2025 18:16

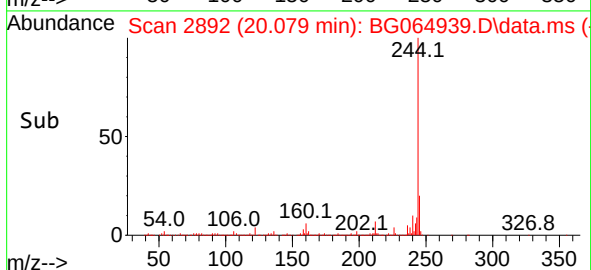
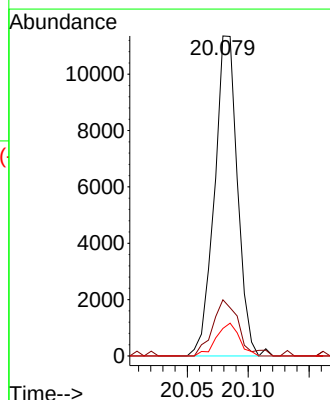
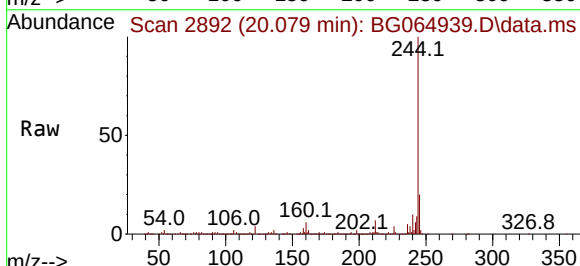
Tgt Ion:184 Resp: 14939

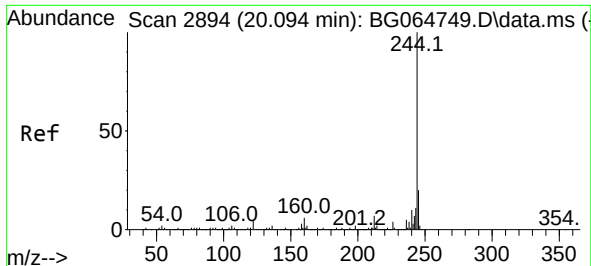
Ion Ratio Lower Upper

184 100

185 17.6 11.8 17.6

183 8.6 9.8 14.6#

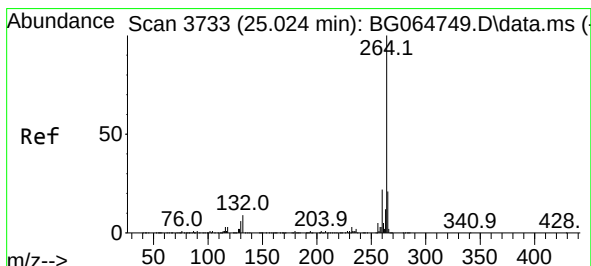
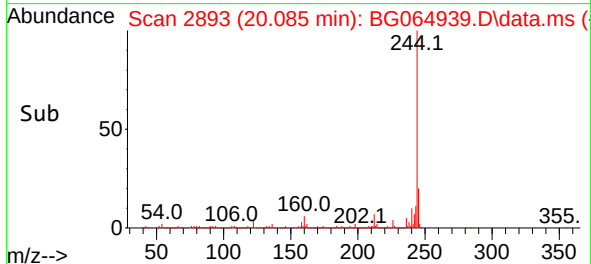
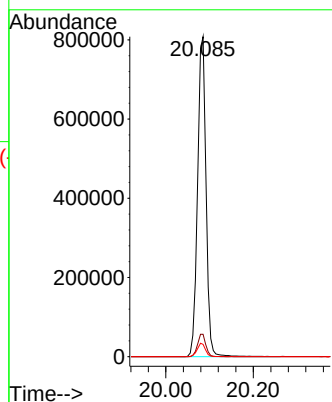
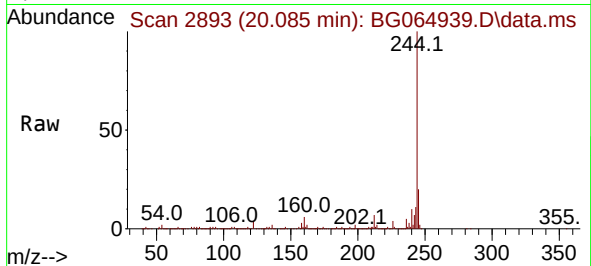




#79
 Terphenyl-d14
 Concen: 142.260 ng
 RT: 20.085 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG064939.D
 Acq: 11 Dec 2025 18:16

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Tgt Ion:244 Resp: 1089703
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 3.9 4.3 6.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.003 min Scan# 3730
 Delta R.T. -0.021 min
 Lab File: BG064939.D
 Acq: 11 Dec 2025 18:16

Tgt Ion:264 Resp: 161616
 Ion Ratio Lower Upper
 264 100
 260 21.7 17.2 25.8
 265 21.1 16.6 25.0

