

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064769.D
 Acq On : 13 Nov 2025 23:29
 Operator : RC/JU
 Sample : Q3609-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-02

Quant Time: Nov 14 05:05:33 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)

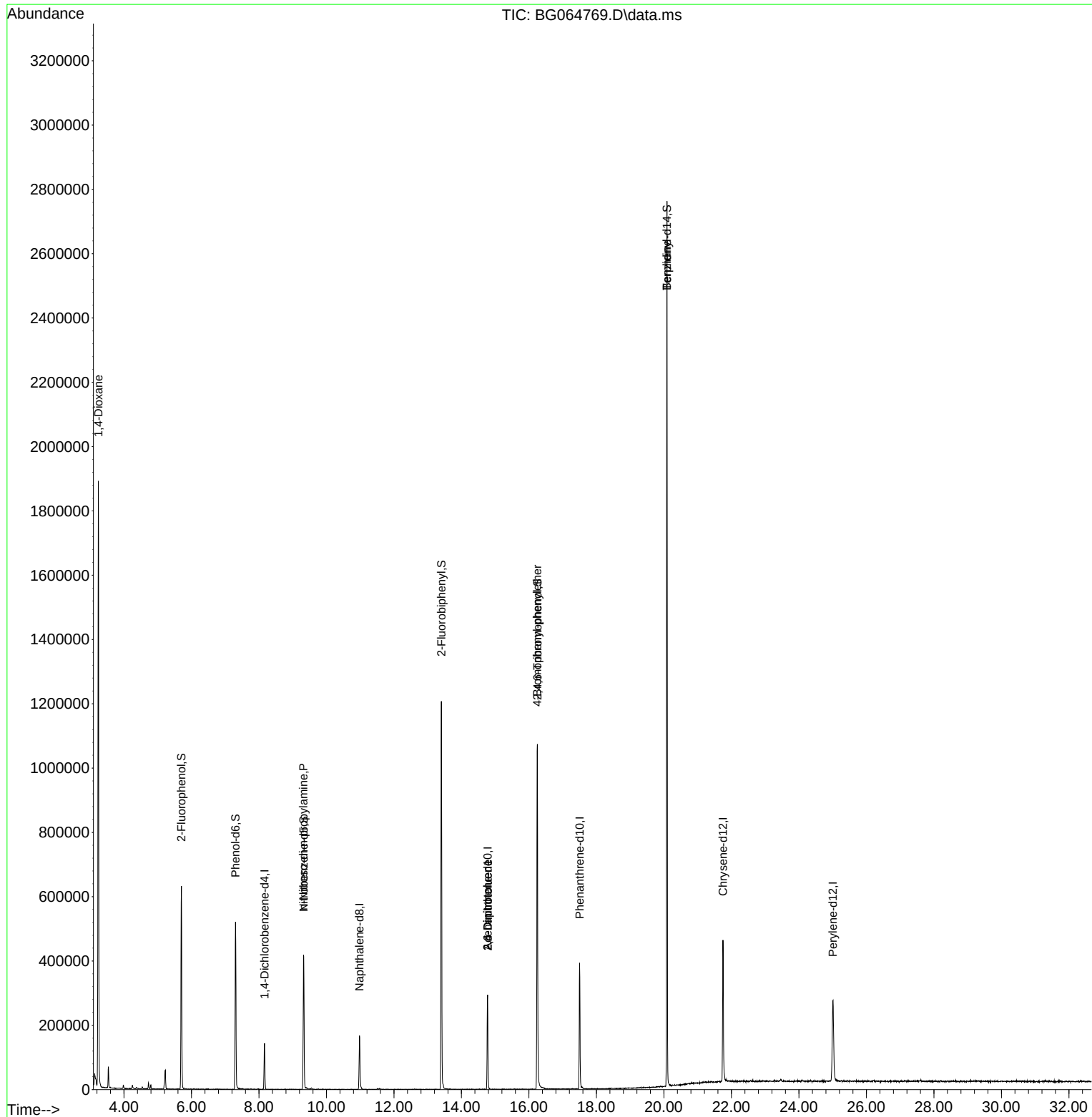
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	40492	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	151428	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	116412	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	277775	20.000	ng	0.00
76) Chrysene-d12	21.749	240	318527	20.000	ng	0.00
86) Perylene-d12	25.004	264	327313	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	255307	110.101	ng	0.00
7) Phenol-d6	7.307	99	292713	94.909	ng	0.00
23) Nitrobenzene-d5	9.328	82	250779	81.882	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	283232	124.750	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	669335	80.228	ng	0.00
79) Terphenyl-d14	20.092	244	1561338	96.422	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.241	88	14860	16.553	ng	# 1
19) n-Nitroso-di-n-propyla...	9.322	70	34022	16.315	ng	# 66
51) 2,6-Dinitrotoluene	14.775	165	15590	8.810	ng	# 21
57) 2,4-Dinitrotoluene	14.775	165	15590	5.877	ng	# 24
67) 4-Bromophenyl-phenylether	16.243	248	17244	4.727	ng	# 1
77) Benzdine	20.086	184	21806	2.286	ng	96

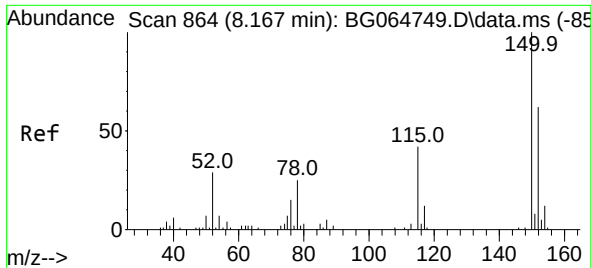
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
Data File : BG064769.D
Acq On : 13 Nov 2025 23:29
Operator : RC/JU
Sample : Q3609-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

Quant Time: Nov 14 05:05:33 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

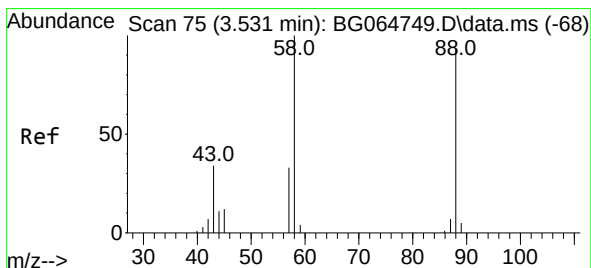
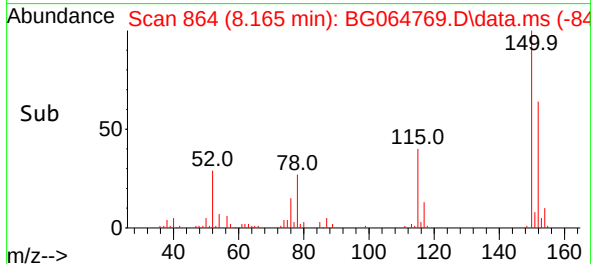
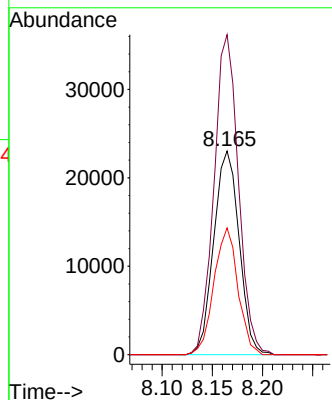
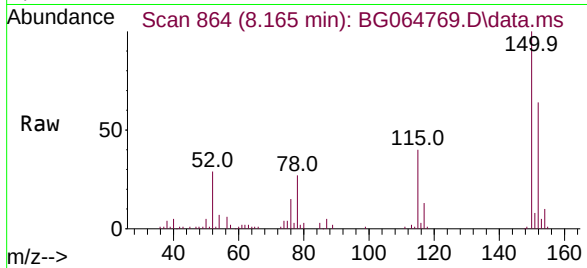




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064769.D
 Acq: 13 Nov 2025 23:29

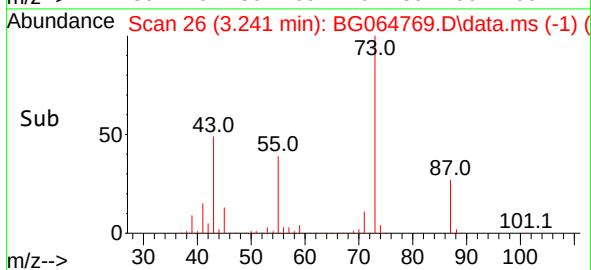
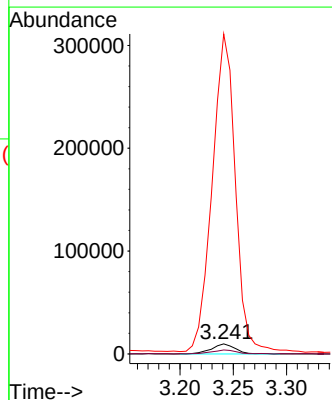
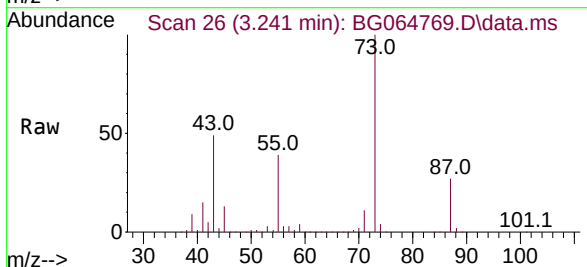
Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-02

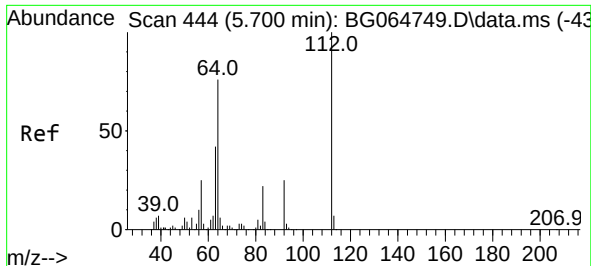
Tgt Ion:152 Resp: 40492
 Ion Ratio Lower Upper
 152 100
 150 157.1 129.2 193.8
 115 62.2 53.7 80.5



#2
 1,4-Dioxane
 Concen: 16.553 ng
 RT: 3.241 min Scan# 26
 Delta R.T. -0.291 min
 Lab File: BG064769.D
 Acq: 13 Nov 2025 23:29

Tgt Ion: 88 Resp: 14860
 Ion Ratio Lower Upper
 88 100
 58 43.3 84.6 126.8#
 43 3176.0 30.0 45.0#

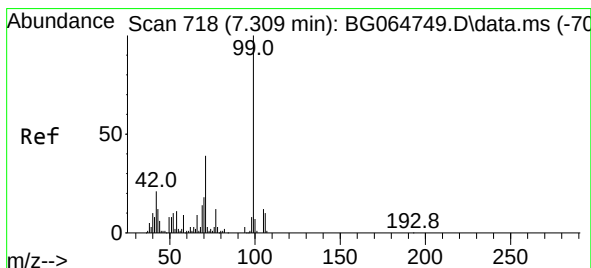
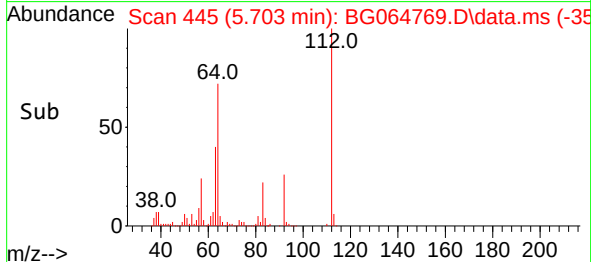
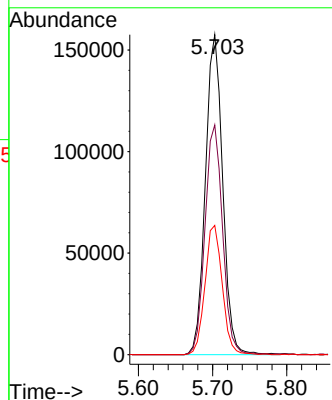
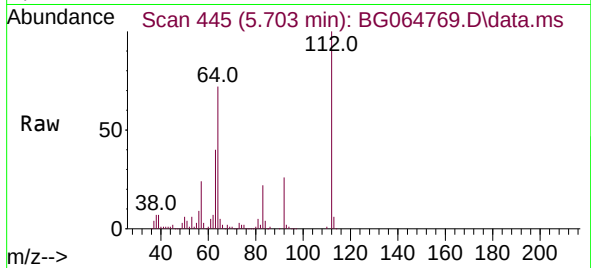




#5
2-Fluorophenol
Concen: 110.101 ng
RT: 5.703 min Scan# 444
Delta R.T. 0.003 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

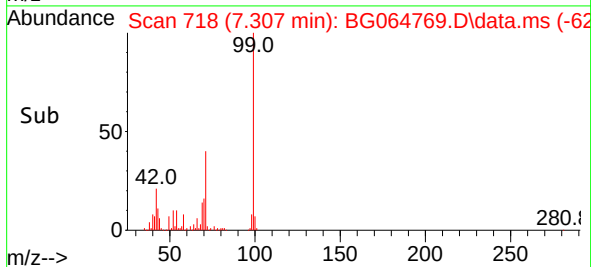
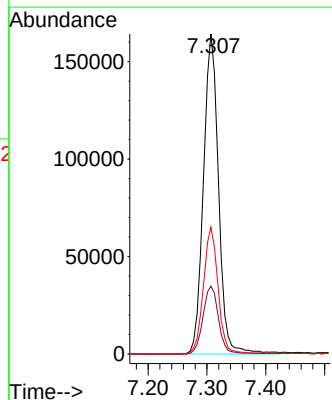
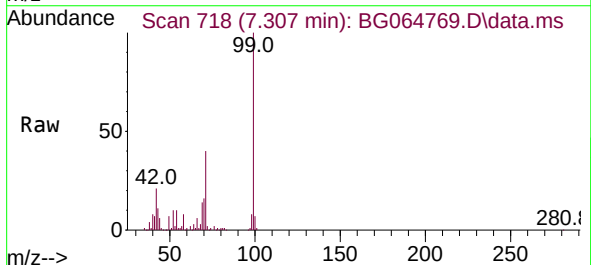
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

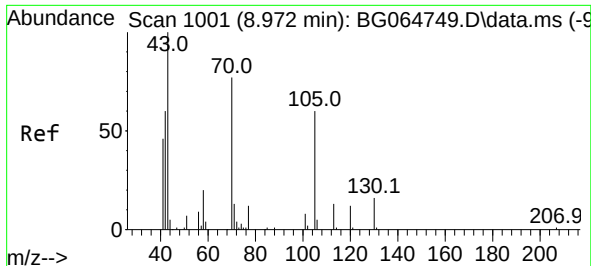
Tgt Ion:112 Resp: 255307
Ion Ratio Lower Upper
112 100
64 71.8 61.0 91.4
63 40.4 33.3 49.9



#7
Phenol-d6
Concen: 94.909 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.003 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

Tgt Ion: 99 Resp: 292713
Ion Ratio Lower Upper
99 100
42 21.2 16.8 25.2
71 39.6 31.1 46.7

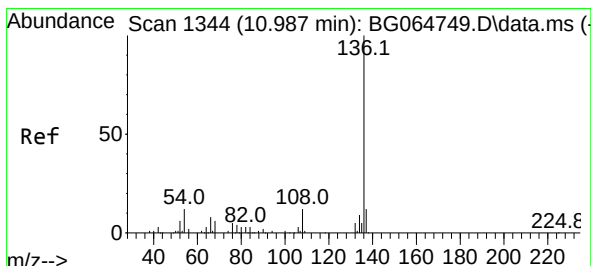
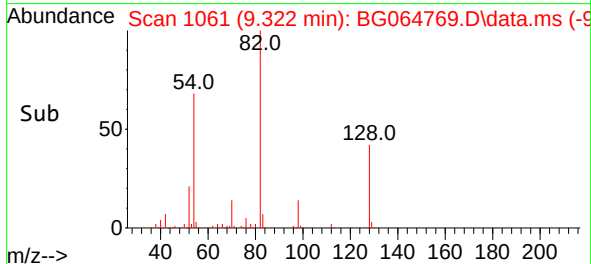
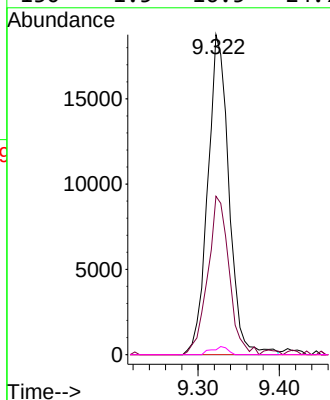
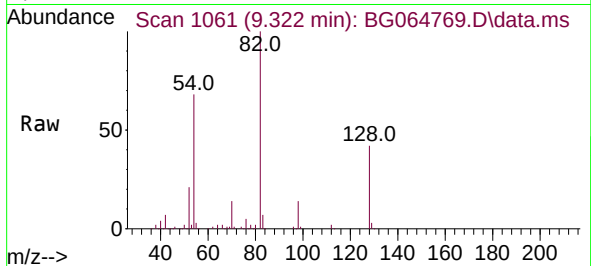




#19
n-Nitroso-di-n-propylamine
Concen: 16.315 ng
RT: 9.322 min Scan# 10
Delta R.T. 0.350 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

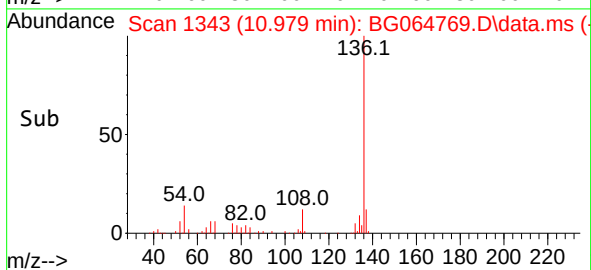
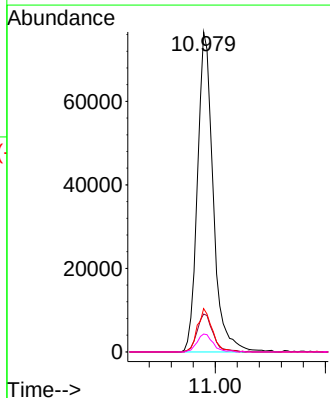
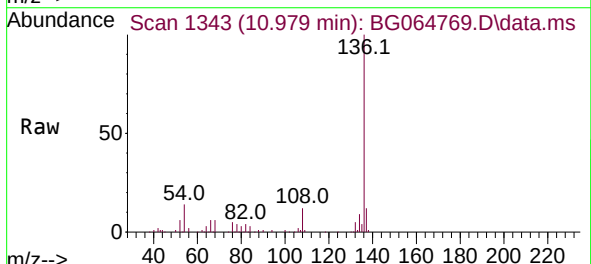
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

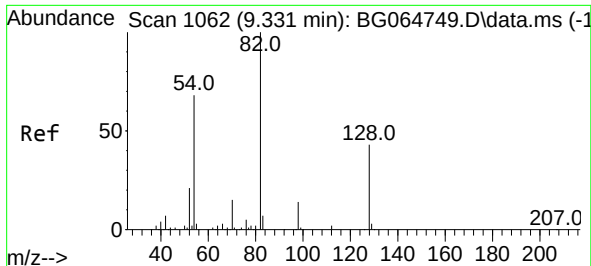
Tgt Ion: 70	Resp: 34022
Ion Ratio	Lower Upper
70 100	
42 49.5	62.6 93.8#
101 0.0	8.0 12.0#
130 1.5	16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

Tgt Ion: 136	Resp: 151428
Ion Ratio	Lower Upper
136 100	
137 11.8	9.3 13.9
54 13.6	9.3 13.9
68 5.6	5.0 7.6





#23

Nitrobenzene-d5

Concen: 81.882 ng

RT: 9.328 min Scan# 1062

Delta R.T. -0.003 min

Lab File: BG064769.D

Acq: 13 Nov 2025 23:29

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-02

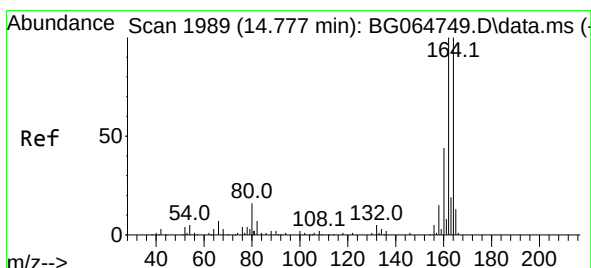
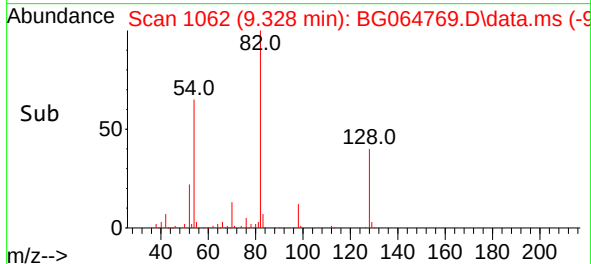
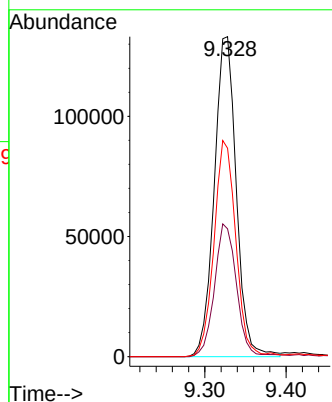
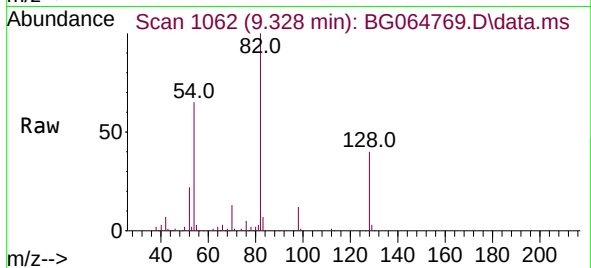
Tgt Ion: 82 Resp: 250779

Ion Ratio Lower Upper

82 100

128 39.9 34.1 51.1

54 65.1 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.775 min Scan# 1989

Delta R.T. -0.003 min

Lab File: BG064769.D

Acq: 13 Nov 2025 23:29

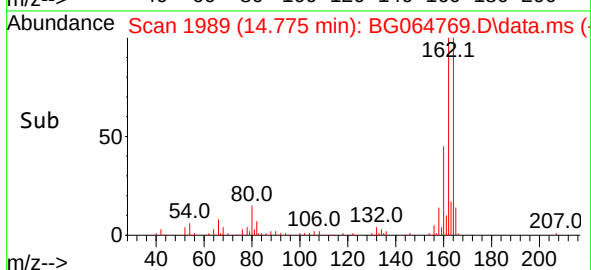
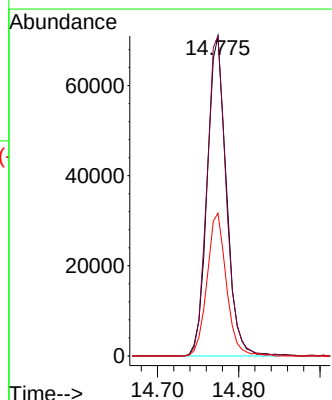
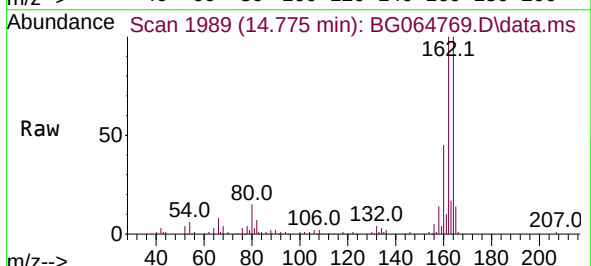
Tgt Ion: 164 Resp: 116412

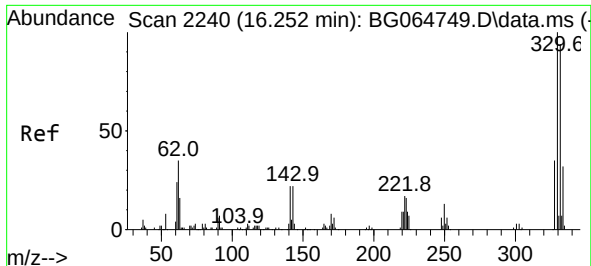
Ion Ratio Lower Upper

164 100

162 100.1 79.8 119.6

160 44.6 34.9 52.3

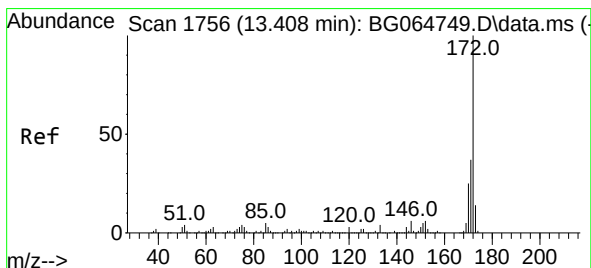
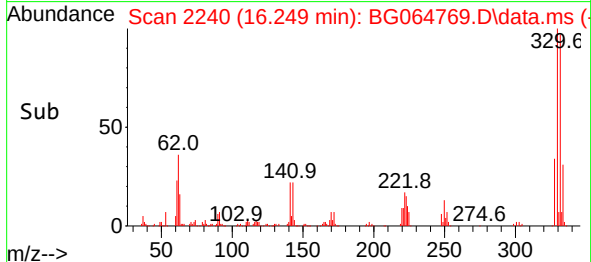
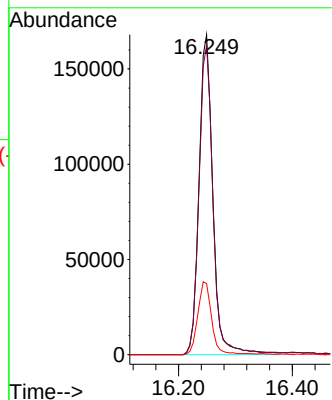
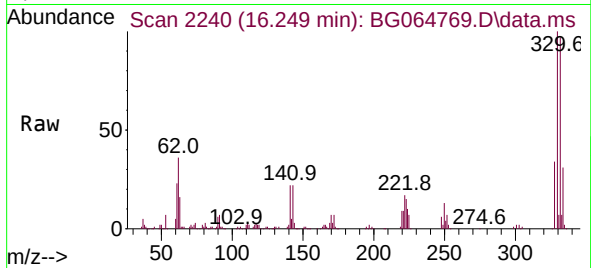




#42
2,4,6-Tribromophenol
Concen: 124.750 ng
RT: 16.249 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

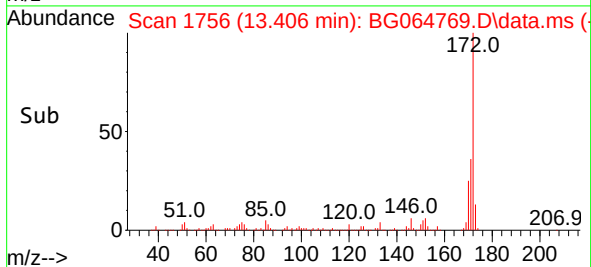
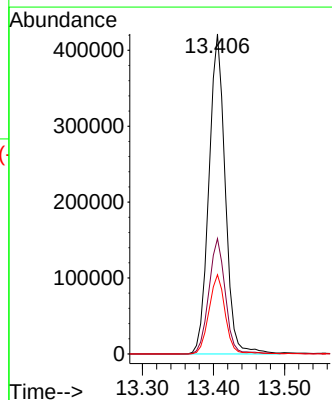
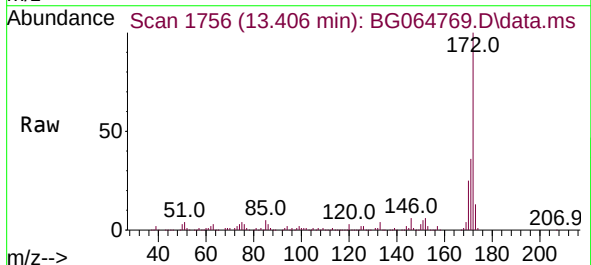
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

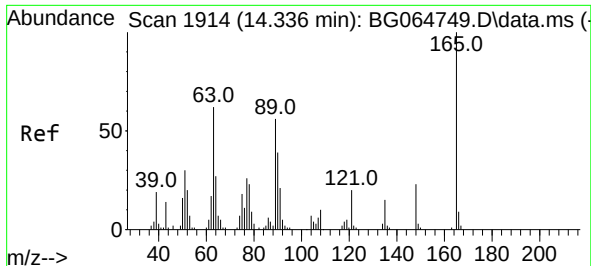
Tgt Ion:330 Resp: 283232
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 22.5 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 80.228 ng
RT: 13.406 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

Tgt Ion:172 Resp: 669335
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 24.8 19.8 29.6

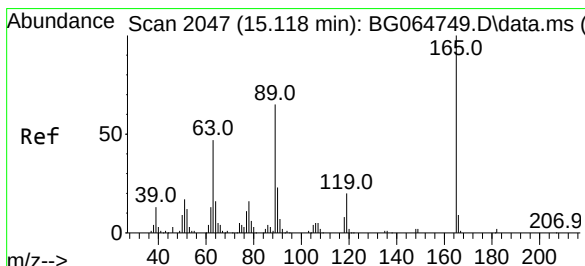
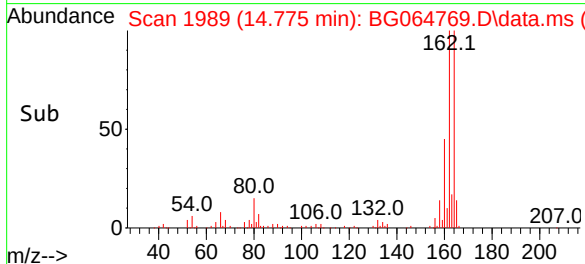
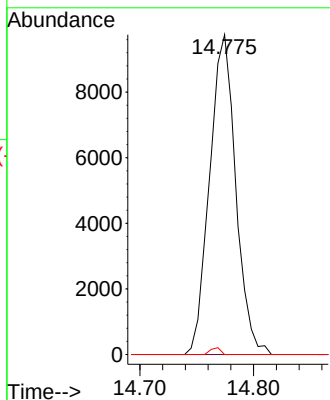
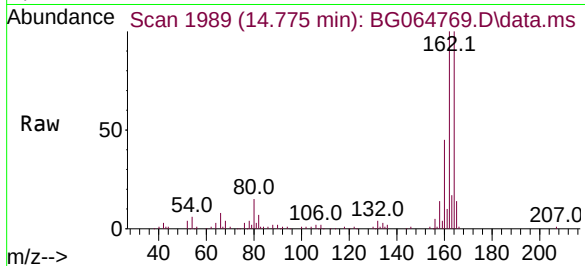




#51
2,6-Dinitrotoluene
Concen: 8.810 ng
RT: 14.775 min Scan# 1914
Delta R.T. 0.438 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

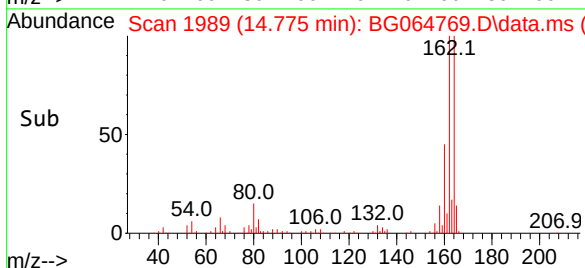
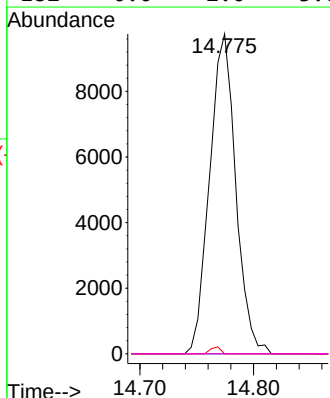
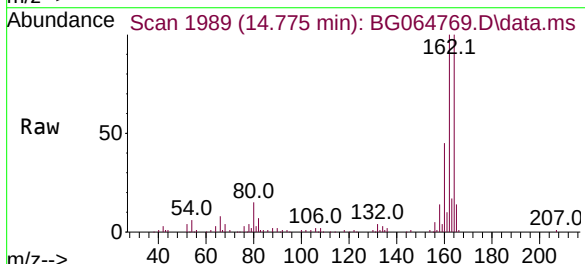
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

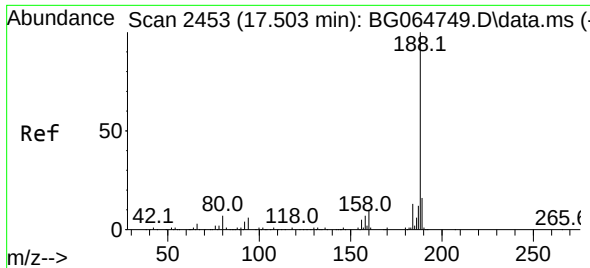
Tgt Ion:165 Resp: 15590
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.877 ng
RT: 14.775 min Scan# 1989
Delta R.T. -0.343 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

Tgt Ion:165 Resp: 15590
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#

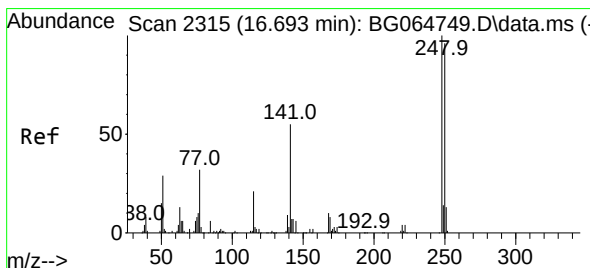
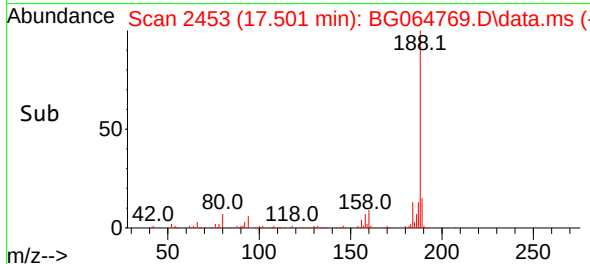
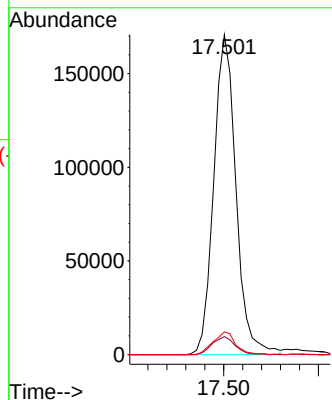
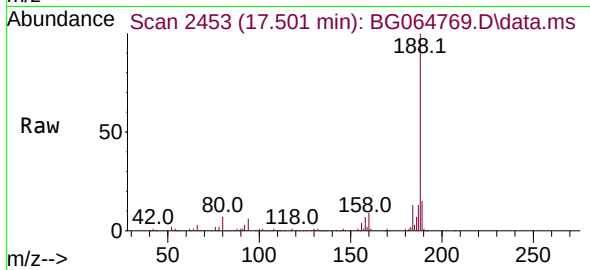




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

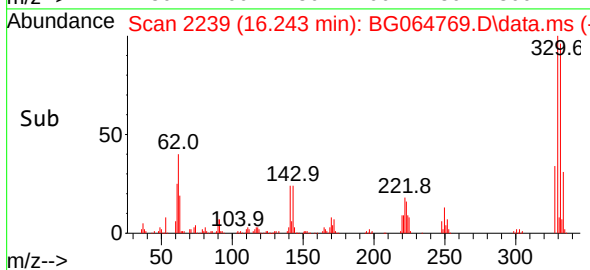
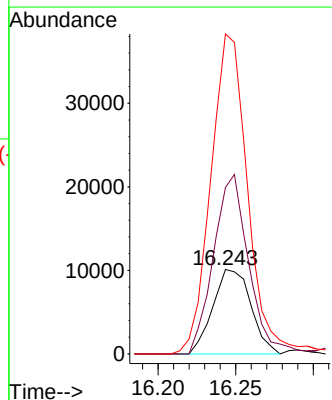
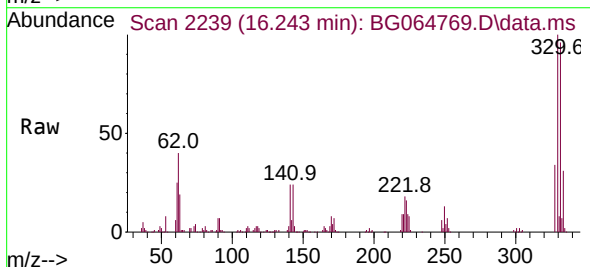
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

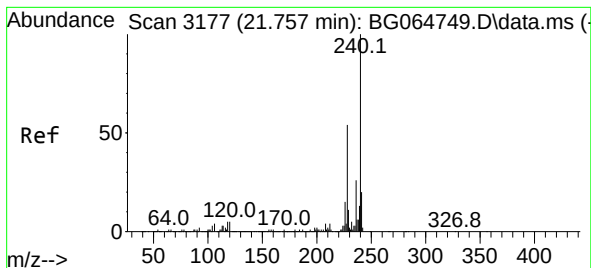
Tgt Ion:188 Resp: 277775
Ion Ratio Lower Upper
188 100
94 5.6 4.7 7.1
80 7.1 5.4 8.2



#67
4-Bromophenyl-phenylether
Concen: 4.727 ng
RT: 16.243 min Scan# 2239
Delta R.T. -0.449 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

Tgt Ion:248 Resp: 17244
Ion Ratio Lower Upper
248 100
250 193.6 77.0 115.6#
141 283.8 43.7 65.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.749 min Scan# 3176

Delta R.T. -0.009 min

Lab File: BG064769.D

Acq: 13 Nov 2025 23:29

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-02

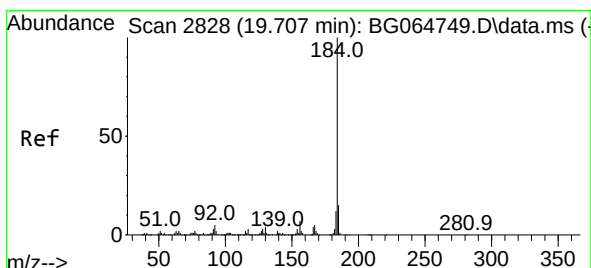
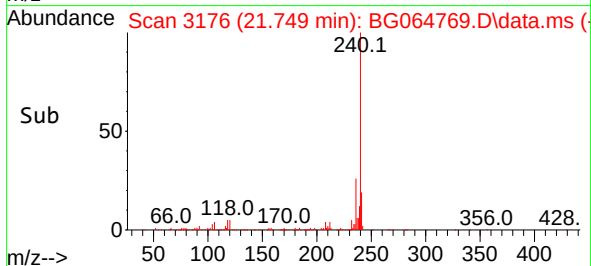
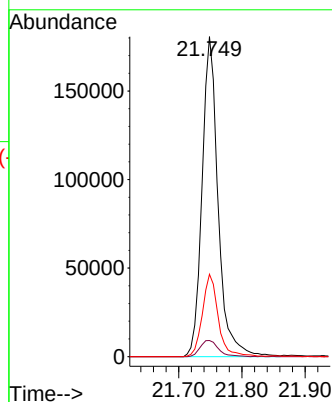
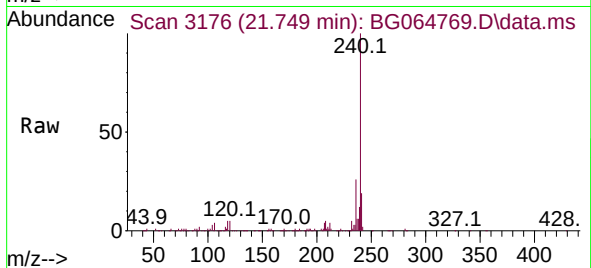
Tgt Ion:240 Resp: 318527

Ion Ratio Lower Upper

240 100

120 5.0 4.2 6.4

236 25.7 20.8 31.2



#77

Benzidine

Concen: 2.286 ng

RT: 20.086 min Scan# 2893

Delta R.T. 0.379 min

Lab File: BG064769.D

Acq: 13 Nov 2025 23:29

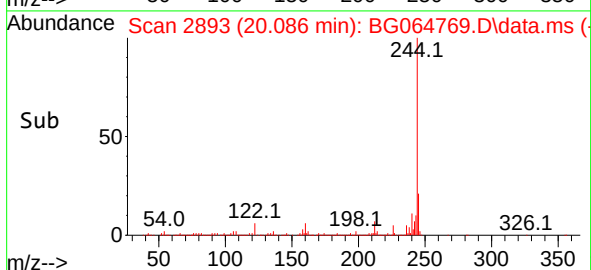
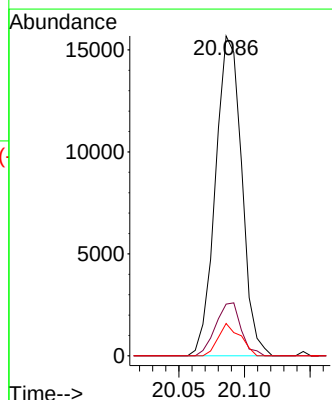
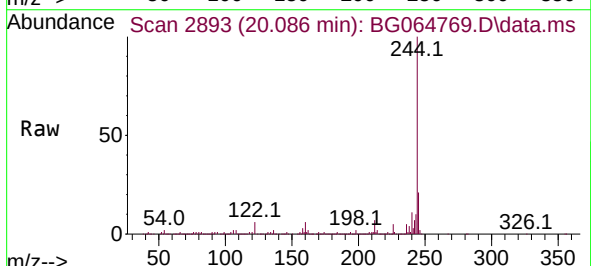
Tgt Ion:184 Resp: 21806

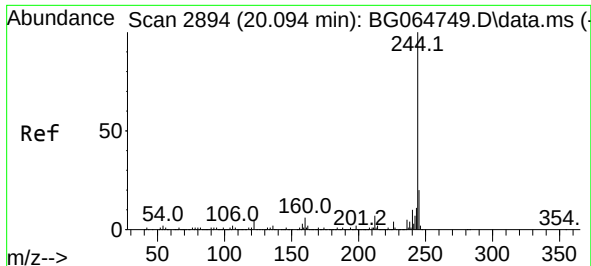
Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

183 10.1 9.8 14.6

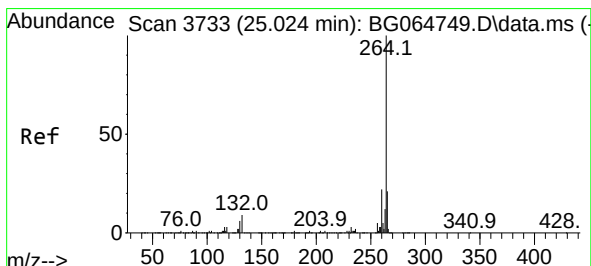
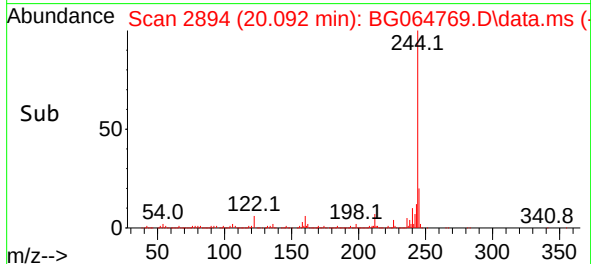
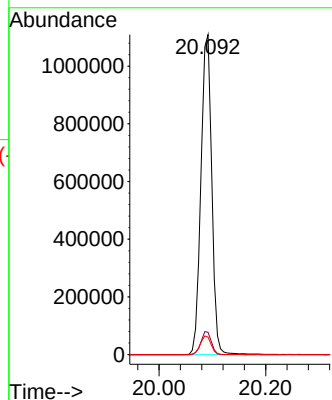
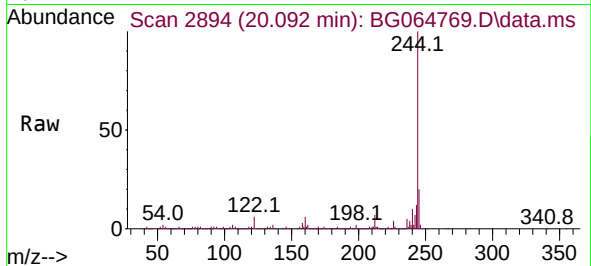




#79
Terphenyl-d14
Concen: 96.422 ng
RT: 20.092 min Scan# 2894
Delta R.T. -0.003 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

Tgt Ion:244 Resp: 1561338
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 5.5 4.3 6.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 3730
Delta R.T. -0.020 min
Lab File: BG064769.D
Acq: 13 Nov 2025 23:29

Tgt Ion:264 Resp: 327313
Ion Ratio Lower Upper
264 100
260 21.9 17.2 25.8
265 21.0 16.6 25.0

