

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064936.D
 Acq On : 11 Dec 2025 16:14
 Operator : RC/JU
 Sample : Q3814-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 16:50:58 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)

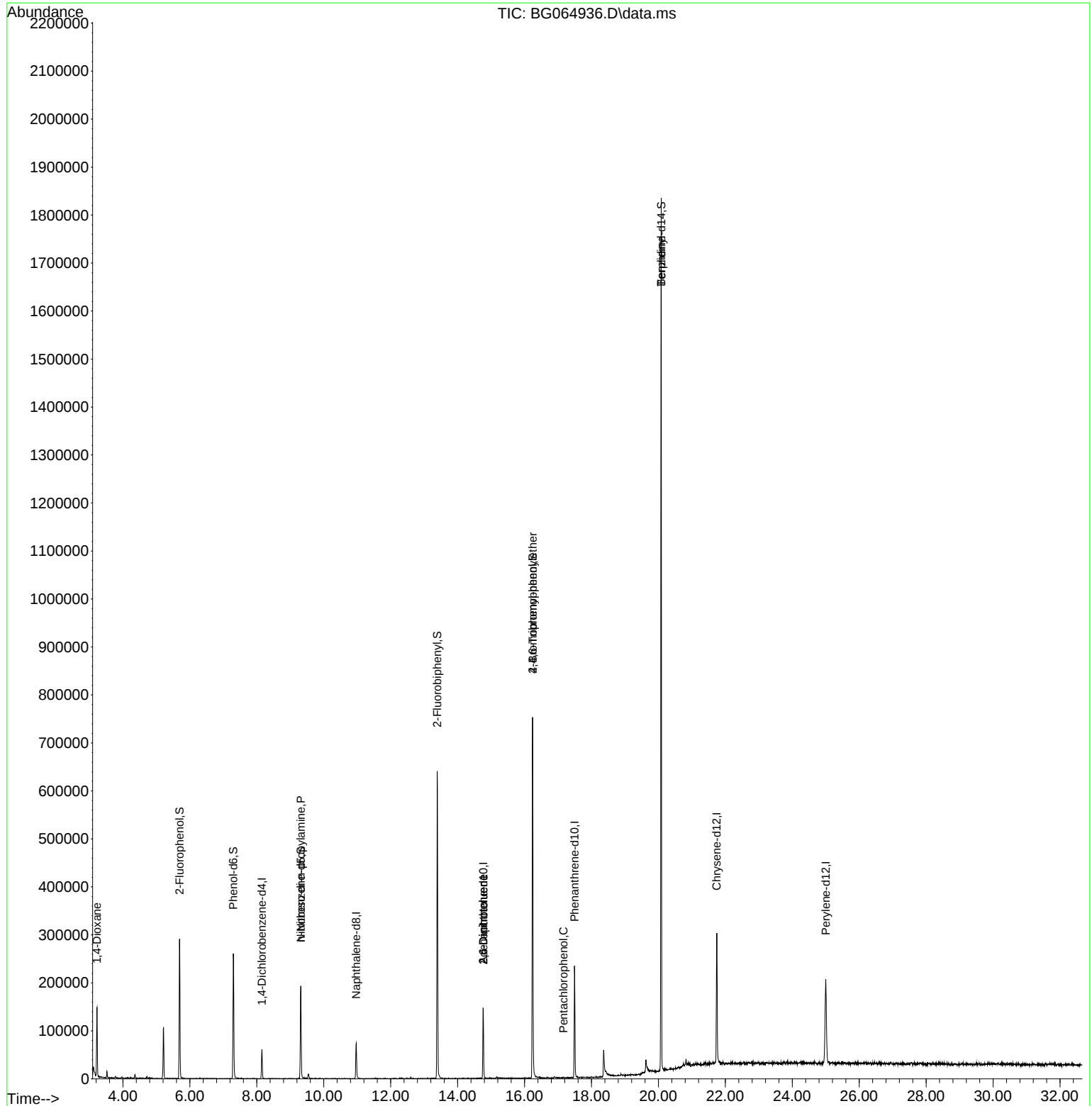
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	18481	20.000	ng	-0.01
21) Naphthalene-d8	10.972	136	67998	20.000	ng	#-0.01
39) Acenaphthene-d10	14.768	164	60122	20.000	ng	0.00
64) Phenanthrene-d10	17.494	188	163994	20.000	ng	# 0.00
76) Chrysene-d12	21.742	240	208700	20.000	ng	#-0.02
86) Perylene-d12	25.003	264	226718	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	120419	113.780	ng	0.00
7) Phenol-d6	7.300	99	139377	99.014	ng	0.00
23) Nitrobenzene-d5	9.315	82	108067	78.578	ng	-0.02
42) 2,4,6-Tribromophenol	16.243	330	205923	175.618	ng	0.00
45) 2-Fluorobiphenyl	13.393	172	361913	83.995	ng	-0.02
79) Terphenyl-d14	20.085	244	1025706	96.677	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.223	88	1246	3.041	ng	# 1
19) n-Nitroso-di-n-propyla...	9.315	70	15449	16.232	ng	# 72
51) 2,6-Dinitrotoluene	14.768	165	7895	8.639	ng	# 21
57) 2,4-Dinitrotoluene	14.768	165	7895	5.762	ng	# 24
67) 4-Bromophenyl-phenylether	16.243	248	11878	5.515	ng	# 1
70) Pentachlorophenol	17.165	266	463	6.420	ng	# 57
77) Benzidine	20.085	184	14410	2.306	ng	# 92

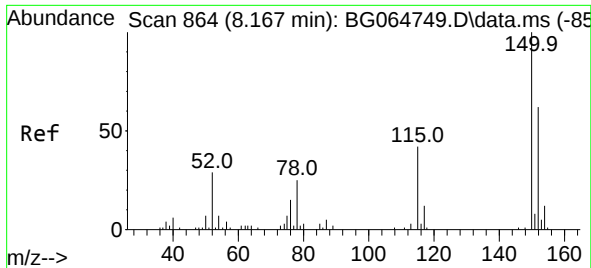
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
Data File : BG064936.D
Acq On : 11 Dec 2025 16:14
Operator : RC/JU
Sample : Q3814-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 11 16:50:58 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

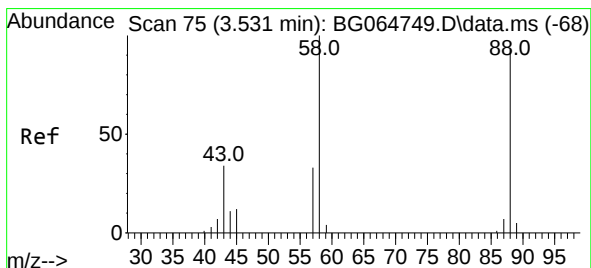
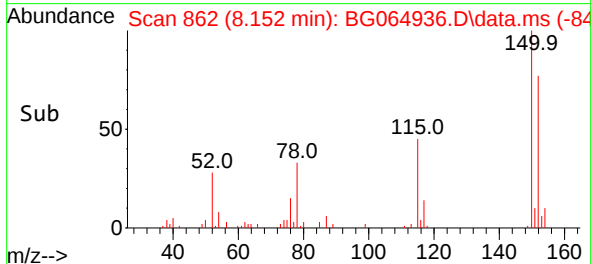
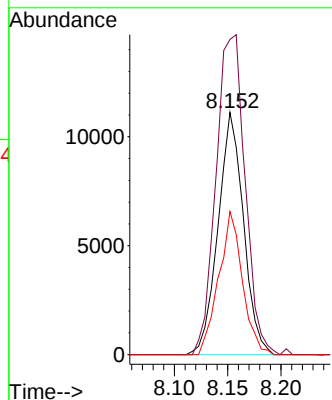
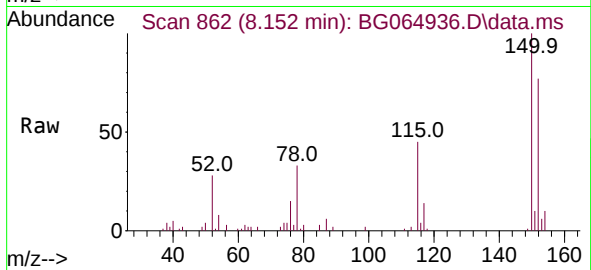




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.152 min Scan# 80
 Delta R.T. -0.015 min
 Lab File: BG064936.D
 Acq: 11 Dec 2025 16:14

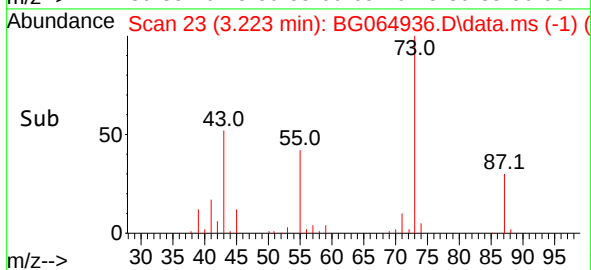
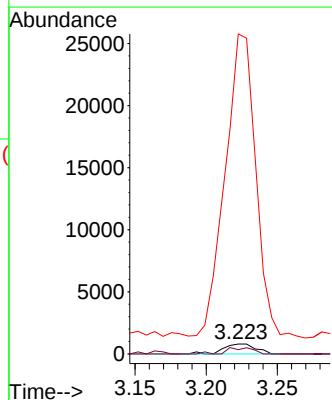
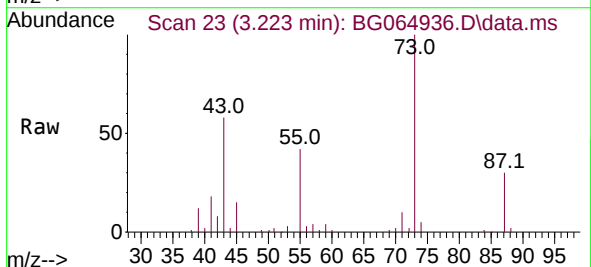
Instrument :
 BNA_G
 ClientSampleId :

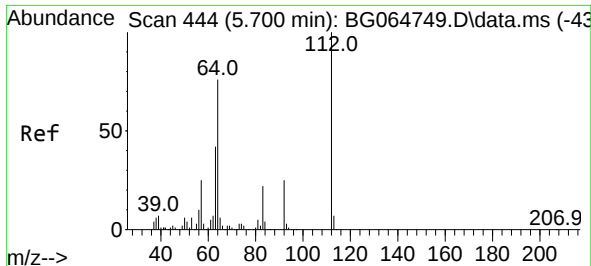
Tgt Ion:152 Resp: 18481
 Ion Ratio Lower Upper
 152 100
 150 130.2 129.2 193.8
 115 59.1 53.7 80.5



#2
 1,4-Dioxane
 Concen: 3.041 ng
 RT: 3.223 min Scan# 23
 Delta R.T. -0.309 min
 Lab File: BG064936.D
 Acq: 11 Dec 2025 16:14

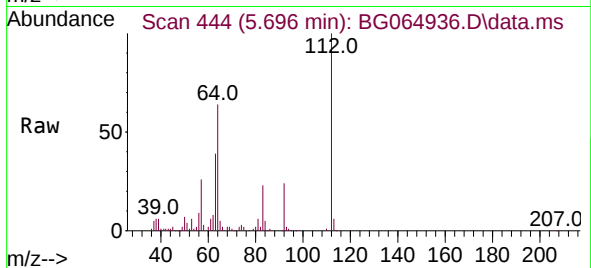
Tgt Ion: 88 Resp: 1246
 Ion Ratio Lower Upper
 88 100
 58 51.6 84.6 126.8#
 43 3004.3 30.0 45.0#



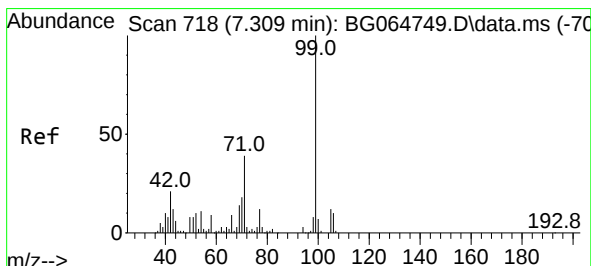
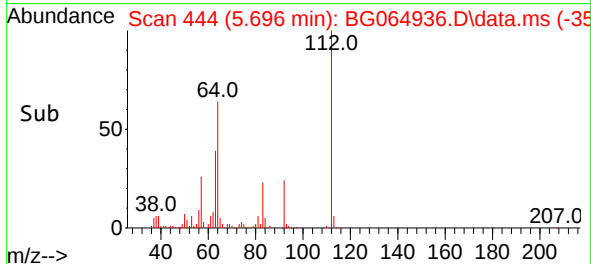
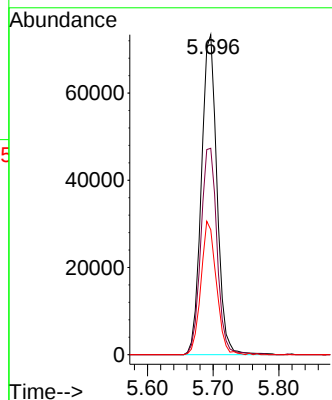


#5
2-Fluorophenol
Concen: 113.780 ng
RT: 5.696 min Scan# 44
Delta R.T. -0.003 min
Lab File: BG064936.D
Acq: 11 Dec 2025 16:14

Instrument :
BNA_G
ClientSampleId :

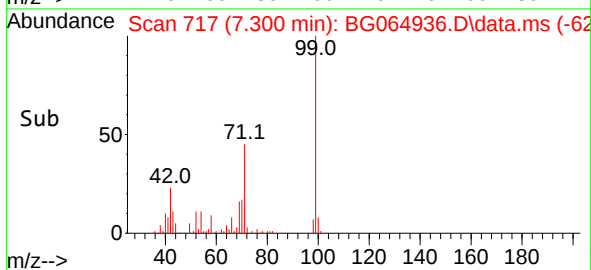
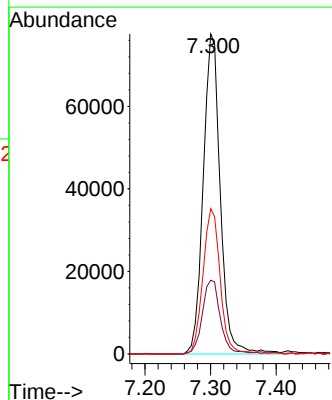
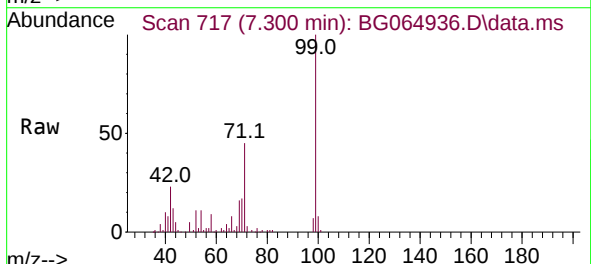


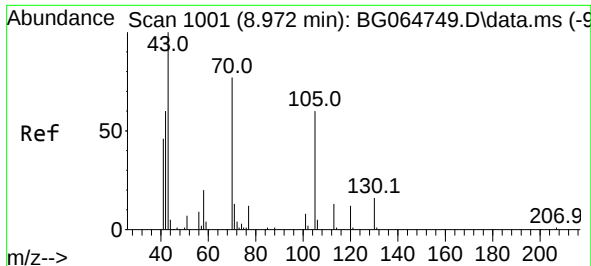
Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	61.0	91.4
63	39.0	33.3	49.9



#7
Phenol-d6
Concen: 99.014 ng
RT: 7.300 min Scan# 717
Delta R.T. -0.009 min
Lab File: BG064936.D
Acq: 11 Dec 2025 16:14

Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.0	16.8	25.2
71	45.4	31.1	46.7





#19

n-Nitroso-di-n-propylamine

Concen: 16.232 ng

RT: 9.315 min Scan# 1060

Delta R.T. 0.343 min

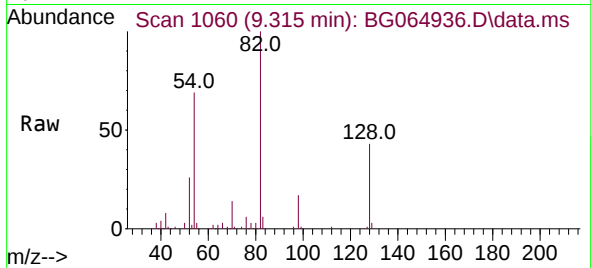
Lab File: BG064936.D

Acq: 11 Dec 2025 16:14

Instrument :

BNA_G

ClientSampleId :



Tgt Ion: 70 Resp: 15449

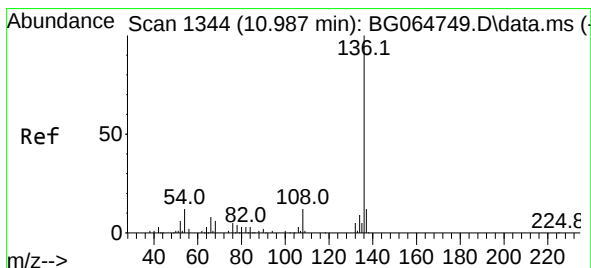
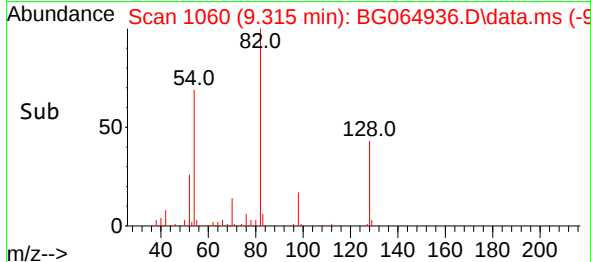
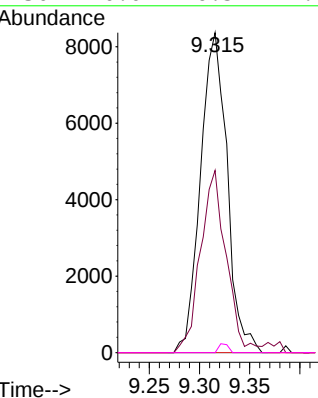
Ion Ratio Lower Upper

70 100

42 56.9 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: BG064936.D

Acq: 11 Dec 2025 16:14

Tgt Ion: 136 Resp: 67998

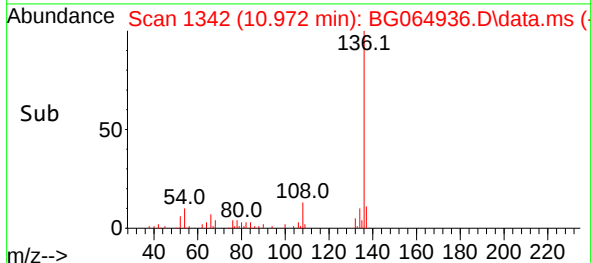
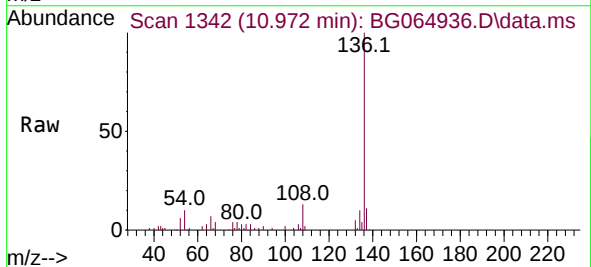
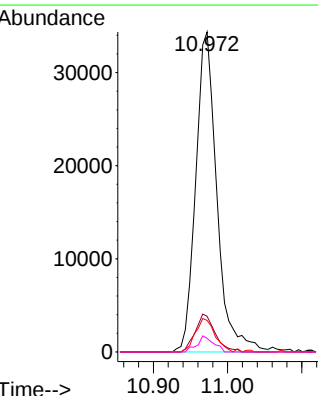
Ion Ratio Lower Upper

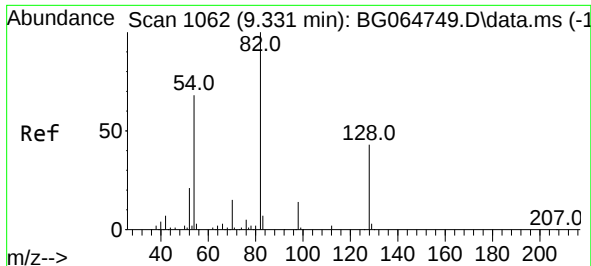
136 100

137 11.1 9.3 13.9

54 9.8 9.3 13.9

68 4.2 5.0 7.6#





#23

Nitrobenzene-d5

Concen: 78.578 ng

RT: 9.315 min Scan# 1060

Delta R.T. -0.015 min

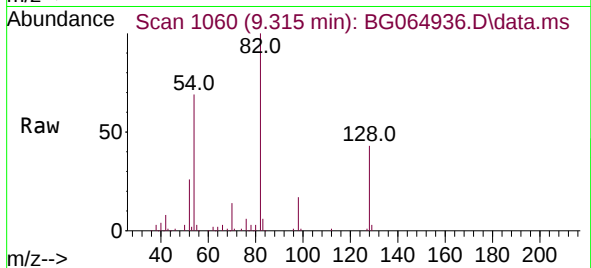
Lab File: BG064936.D

Acq: 11 Dec 2025 16:14

Instrument :

BNA_G

ClientSampleId :



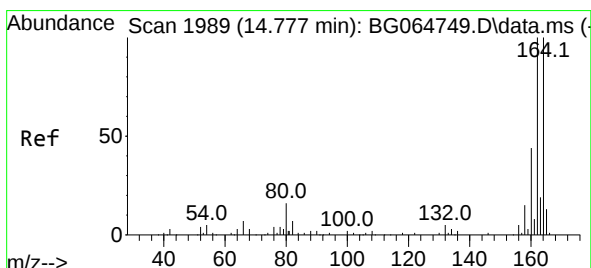
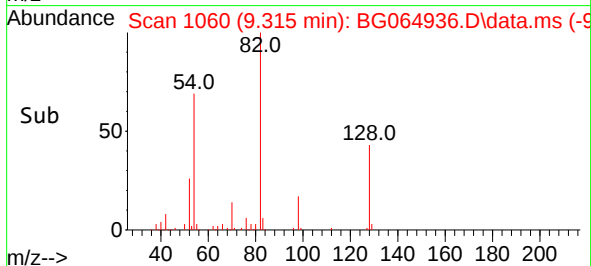
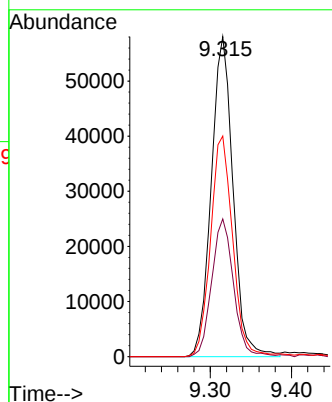
Tgt Ion: 82 Resp: 108067

Ion Ratio Lower Upper

82 100

128 43.0 34.1 51.1

54 68.9 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.768 min Scan# 1988

Delta R.T. -0.009 min

Lab File: BG064936.D

Acq: 11 Dec 2025 16:14

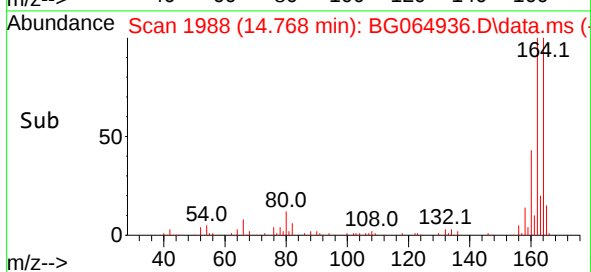
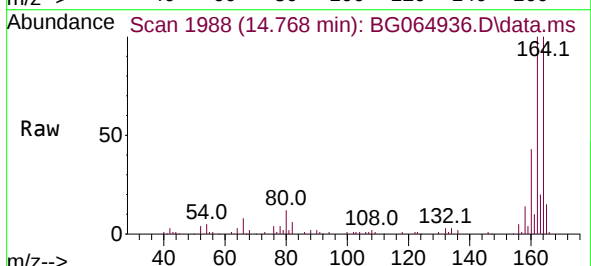
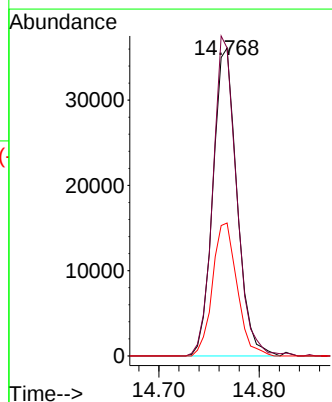
Tgt Ion: 164 Resp: 60122

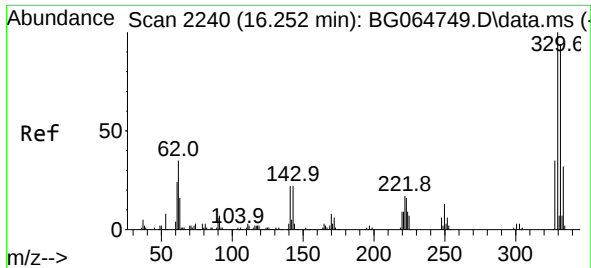
Ion Ratio Lower Upper

164 100

162 100.1 79.8 119.6

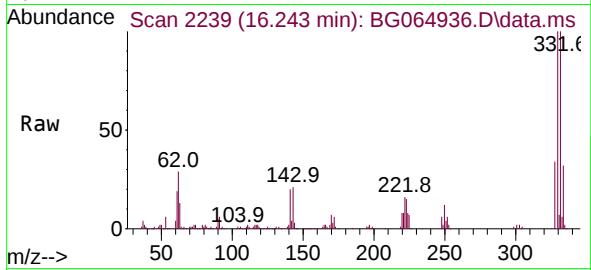
160 43.1 34.9 52.3



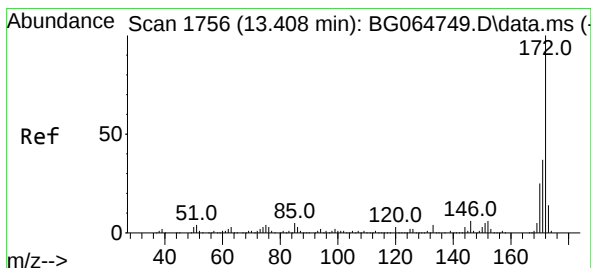
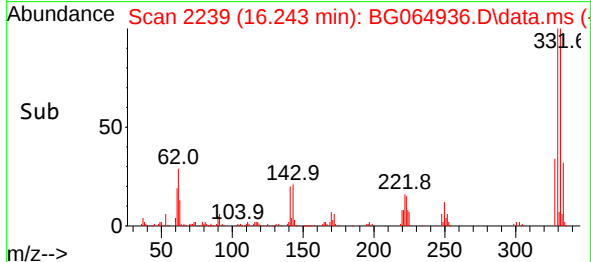
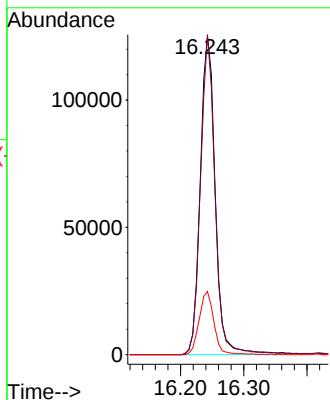


#42
2,4,6-Tribromophenol
Concen: 175.618 ng
RT: 16.243 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064936.D
Acq: 11 Dec 2025 16:14

Instrument :
BNA_G
ClientSampleId :

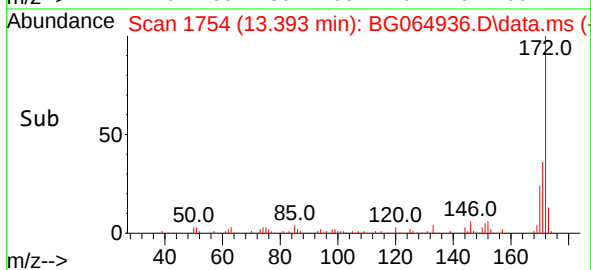
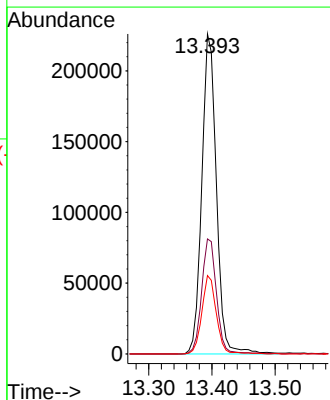
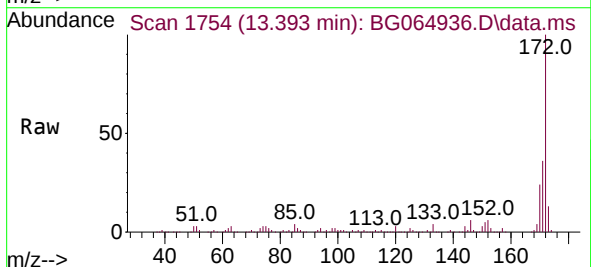


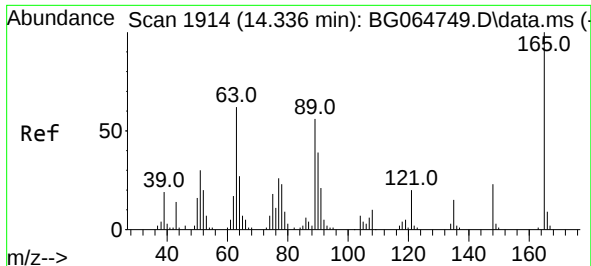
Tgt Ion:330 Resp: 205923
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 19.5 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 83.995 ng
RT: 13.393 min Scan# 1754
Delta R.T. -0.015 min
Lab File: BG064936.D
Acq: 11 Dec 2025 16:14

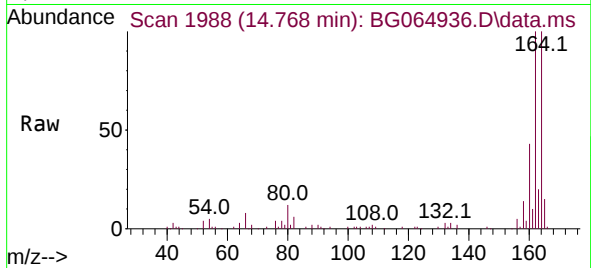
Tgt Ion:172 Resp: 361913
Ion Ratio Lower Upper
172 100
171 35.9 29.9 44.9
170 24.5 19.8 29.6



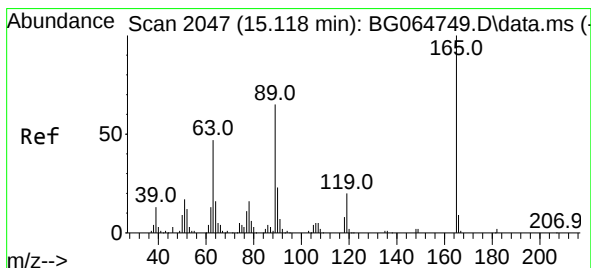
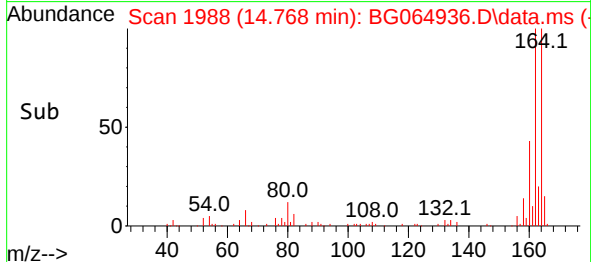
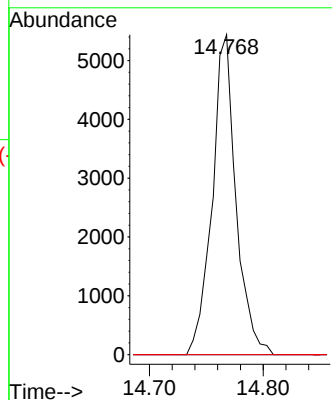


#51
2,6-Dinitrotoluene
Concen: 8.639 ng
RT: 14.768 min Scan# 1914
Delta R.T. 0.431 min
Lab File: BG064936.D
Acq: 11 Dec 2025 16:14

Instrument :
BNA_G
ClientSampleId :

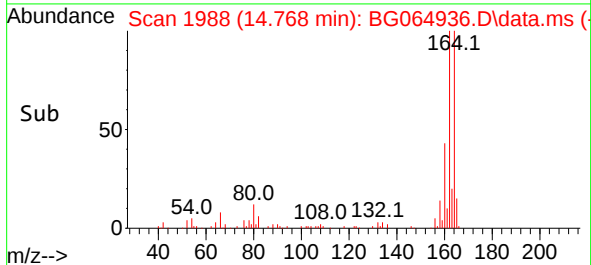
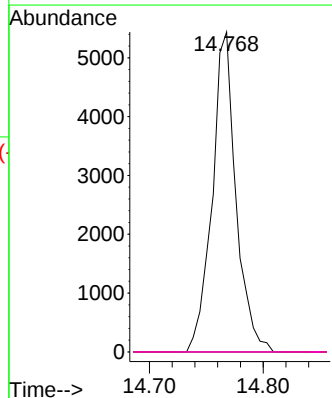
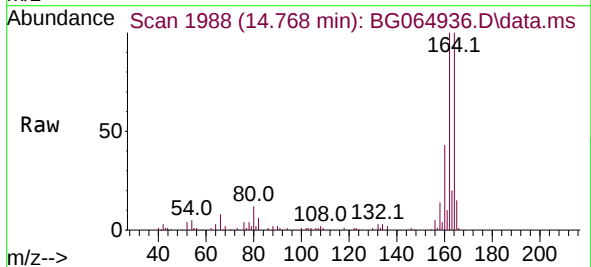


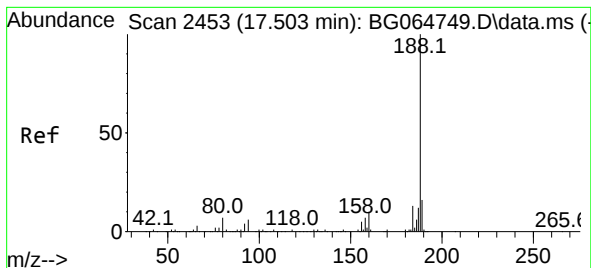
Tgt Ion:165 Resp: 7895
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.762 ng
RT: 14.768 min Scan# 1988
Delta R.T. -0.350 min
Lab File: BG064936.D
Acq: 11 Dec 2025 16:14

Tgt Ion:165 Resp: 7895
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# 24

Delta R.T. -0.009 min

Lab File: BG064936.D

Acq: 11 Dec 2025 16:14

Instrument :

BNA_G

ClientSampleId :

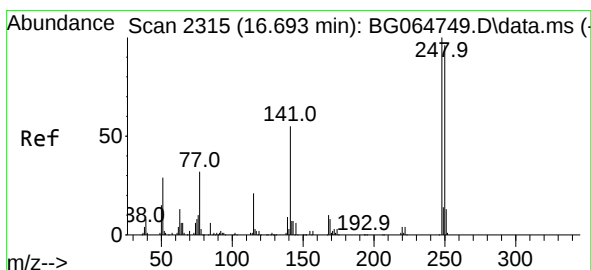
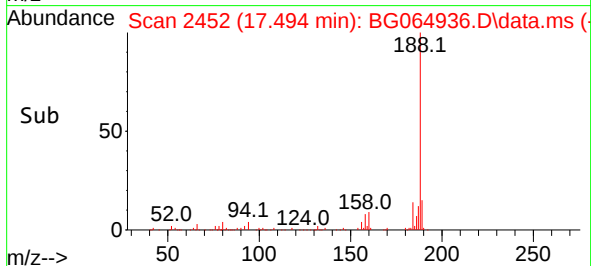
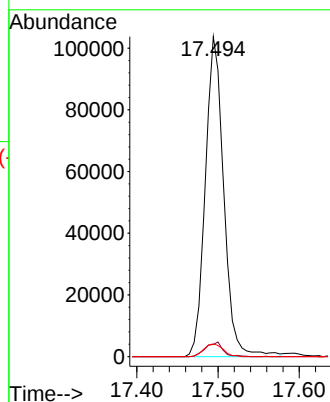
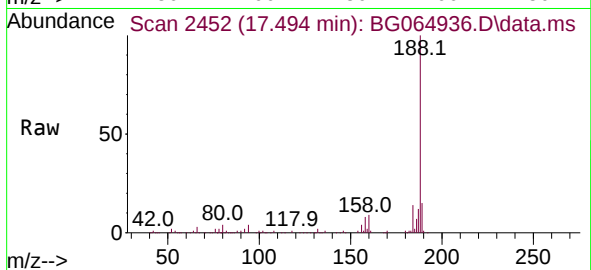
Tgt Ion:188 Resp: 163994

Ion Ratio Lower Upper

188 100

94 3.8 4.7 7.1#

80 4.0 5.4 8.2#



#67

4-Bromophenyl-phenylether

Concen: 5.515 ng

RT: 16.243 min Scan# 2239

Delta R.T. -0.450 min

Lab File: BG064936.D

Acq: 11 Dec 2025 16:14

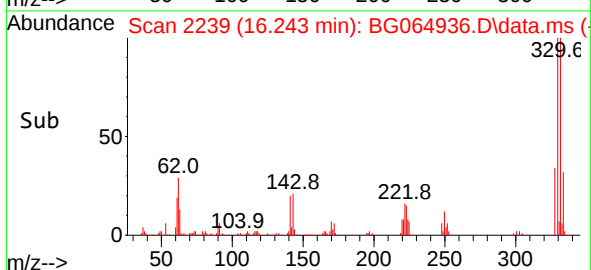
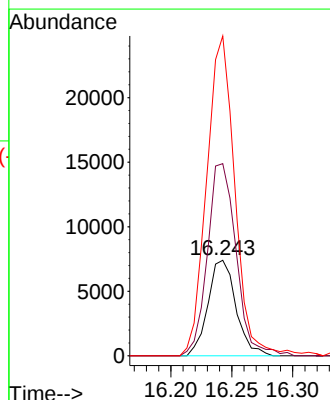
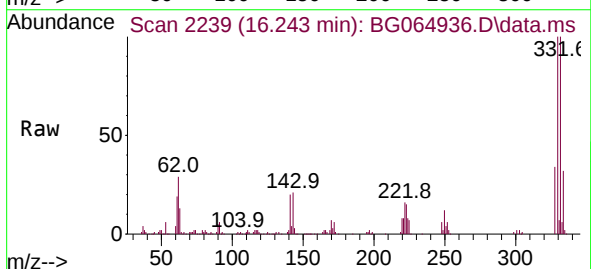
Tgt Ion:248 Resp: 11878

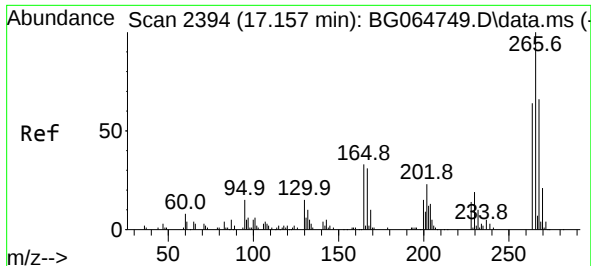
Ion Ratio Lower Upper

248 100

250 151.0 77.0 115.6#

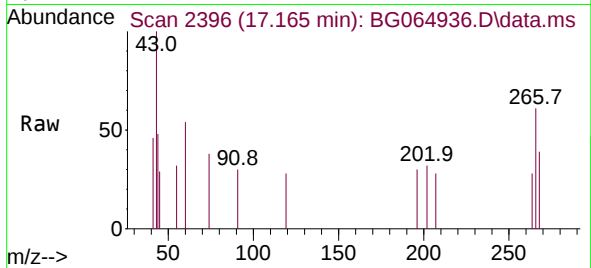
141 251.4 43.7 65.5#



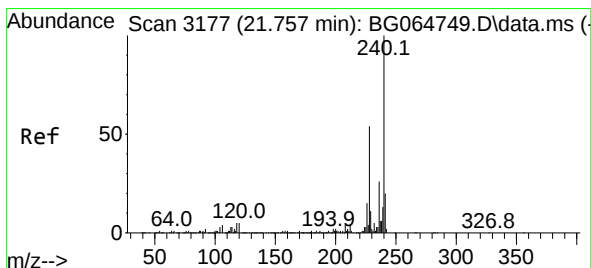
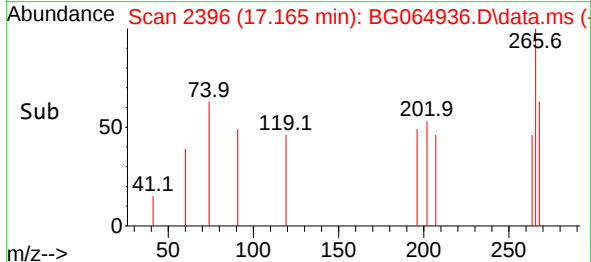
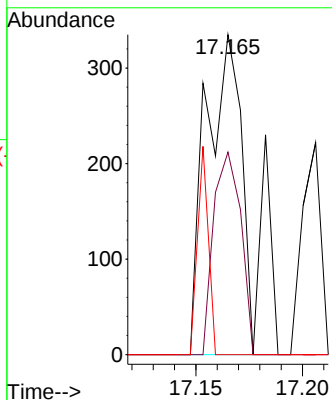


#70
 Pentachlorophenol
 Concen: 6.420 ng
 RT: 17.165 min Scan# 2394
 Delta R.T. 0.008 min
 Lab File: BG064936.D
 Acq: 11 Dec 2025 16:14

Instrument :
 BNA_G
 ClientSampleId :

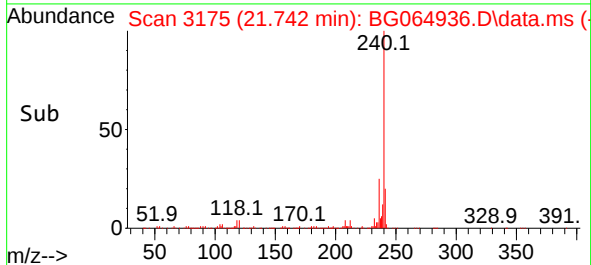
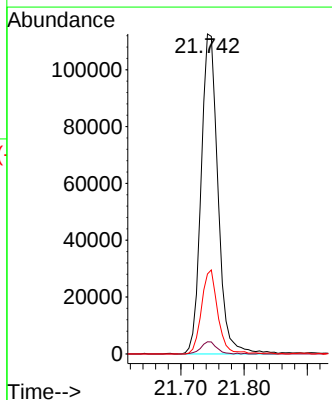
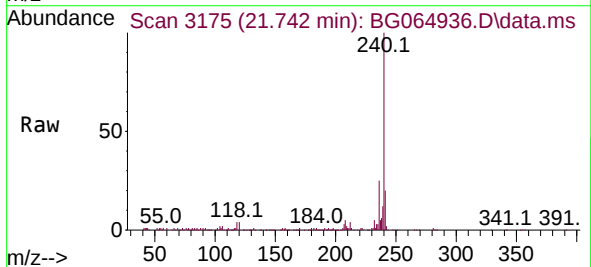


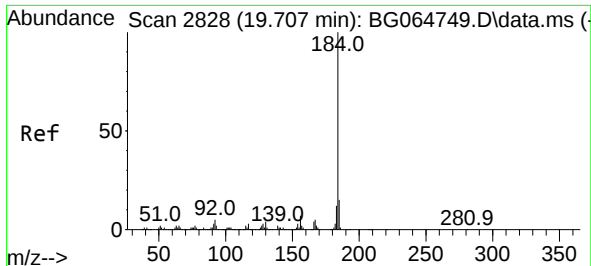
Tgt Ion:266 Resp: 463
 Ion Ratio Lower Upper
 266 100
 268 63.3 56.1 84.1
 264 0.0 51.2 76.8#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.742 min Scan# 3175
 Delta R.T. -0.015 min
 Lab File: BG064936.D
 Acq: 11 Dec 2025 16:14

Tgt Ion:240 Resp: 208700
 Ion Ratio Lower Upper
 240 100
 120 3.8 4.2 6.4#
 236 25.0 20.8 31.2

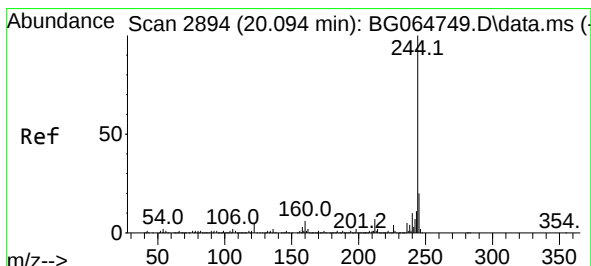
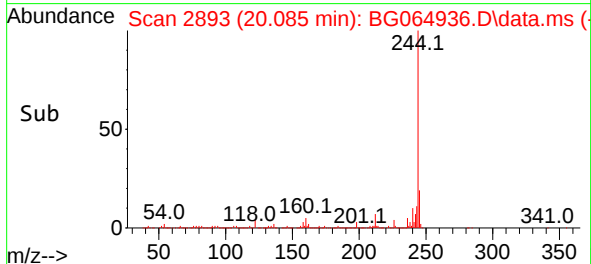
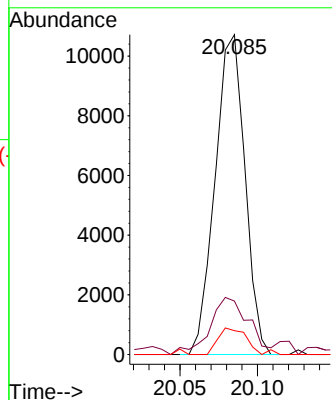
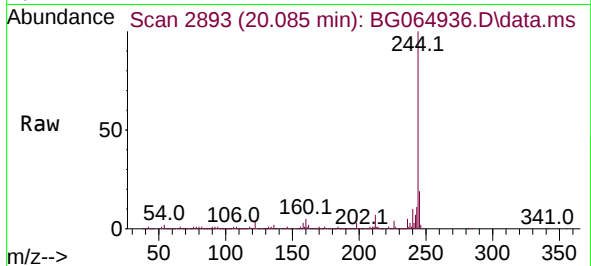




#77
Benzidine
Concen: 2.306 ng
RT: 20.085 min Scan# 2893
Delta R.T. 0.378 min
Lab File: BG064936.D
Acq: 11 Dec 2025 16:14

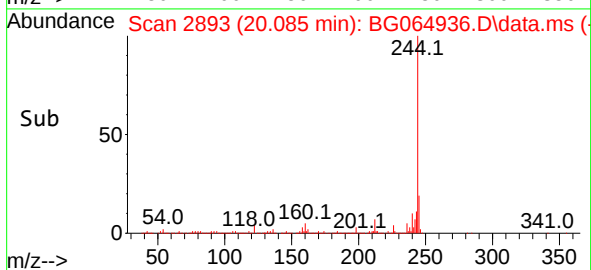
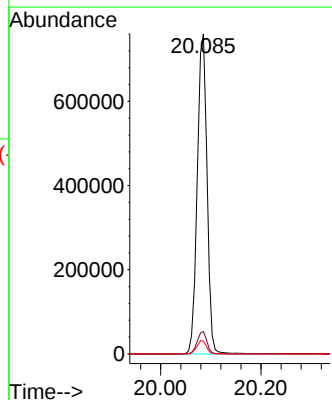
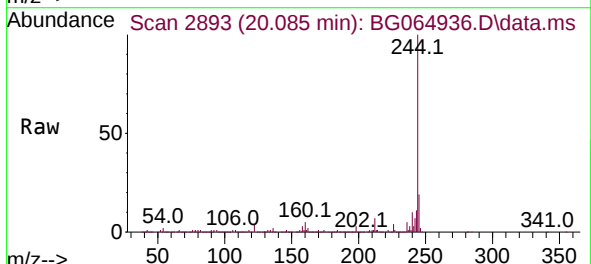
Instrument :
BNA_G
ClientSampleId :

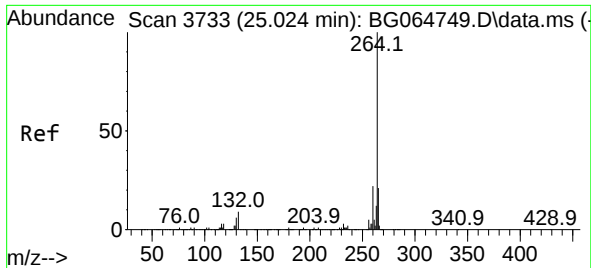
Tgt Ion:184 Resp: 14410
Ion Ratio Lower Upper
184 100
185 16.7 11.8 17.6
183 7.5 9.8 14.6#



#79
Terphenyl-d14
Concen: 96.677 ng
RT: 20.085 min Scan# 2893
Delta R.T. -0.009 min
Lab File: BG064936.D
Acq: 11 Dec 2025 16:14

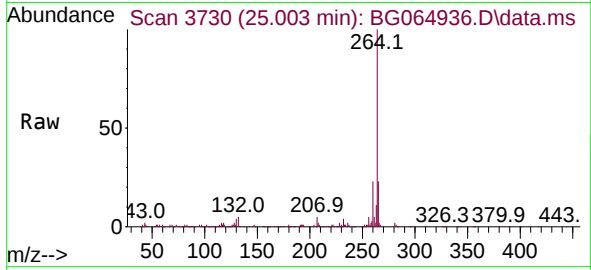
Tgt Ion:244 Resp: 1025706
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 4.0 4.3 6.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.003 min Scan# 31
 Delta R.T. -0.021 min
 Lab File: BG064936.D
 Acq: 11 Dec 2025 16:14

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264	Resp: 226718
Ion Ratio	Lower Upper
264	100
260	23.2 17.2 25.8
265	22.6 16.6 25.0

