

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112125\
 Data File : BG064839.D
 Acq On : 21 Nov 2025 10:49
 Operator : RC/JU
 Sample : PB170631BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 11:24:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11225.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)

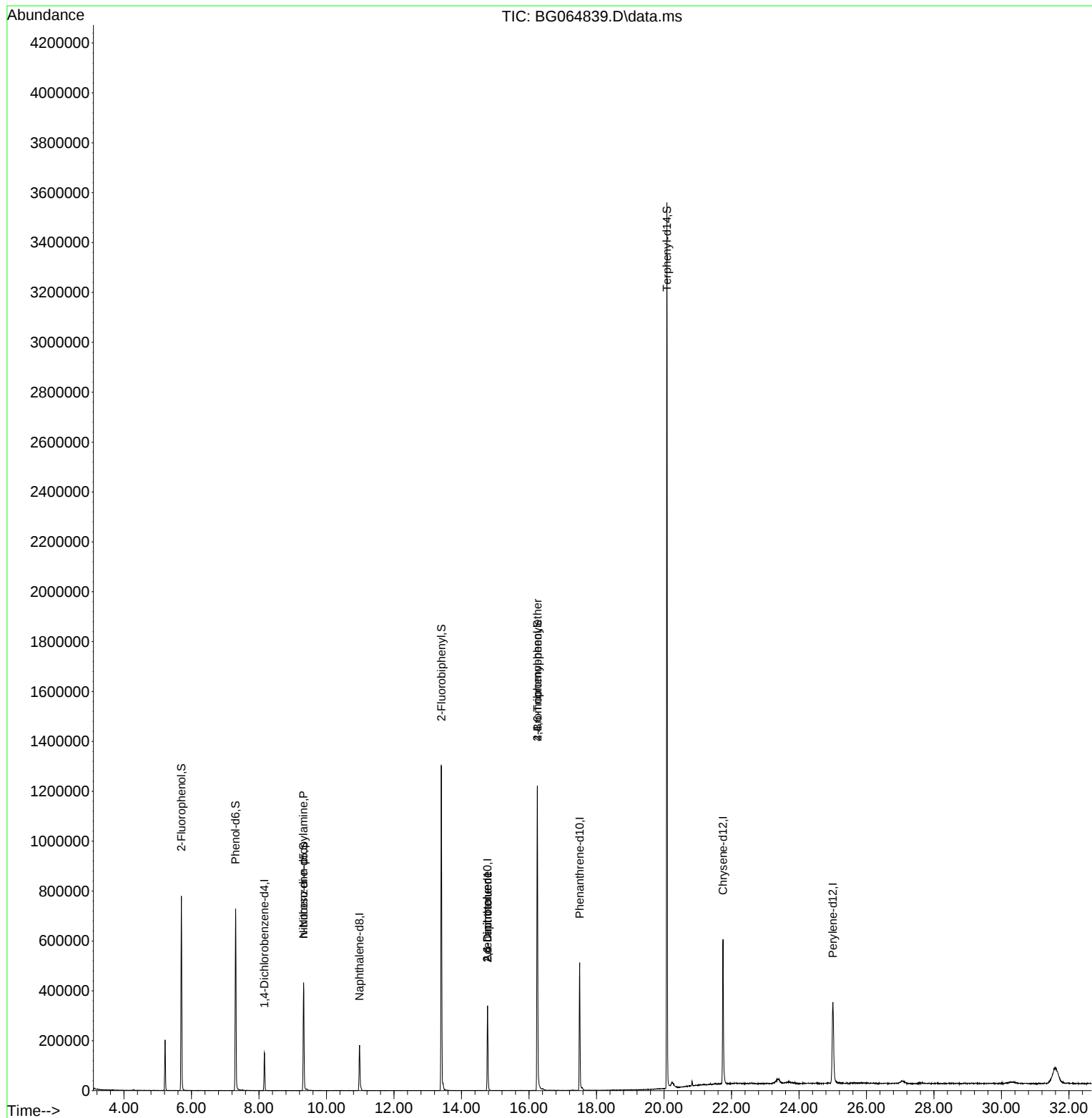
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	44450	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	174541	20.000	ng	0.00
39) Acenaphthene-d10	14.769	164	146167	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	361264	20.000	ng	0.00
76) Chrysene-d12	21.749	240	444014	20.000	ng	0.00
86) Perylene-d12	25.004	264	434648	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	329551	129.464	ng	0.00
7) Phenol-d6	7.307	99	425828	125.775	ng	0.00
23) Nitrobenzene-d5	9.323	82	262931	74.481	ng	0.00
42) 2,4,6-Tribromophenol	16.250	330	335625	117.734	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	785262	74.963	ng	0.00
79) Terphenyl-d14	20.086	244	1938900	85.898	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.323	70	34718	15.166	ng	# 65
51) 2,6-Dinitrotoluene	14.769	165	17771	7.999	ng	# 22
57) 2,4-Dinitrotoluene	14.769	165	17772	5.336	ng	# 25
67) 4-Bromophenyl-phenylether	16.250	248	20398	4.300	ng	# 1

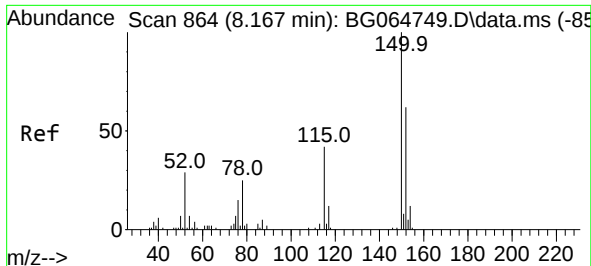
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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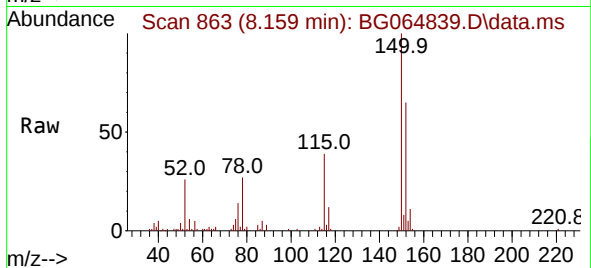
Quant Time: Nov 21 11:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



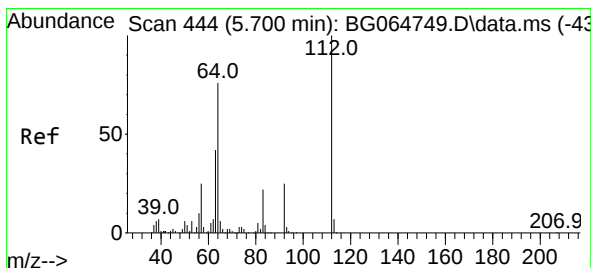
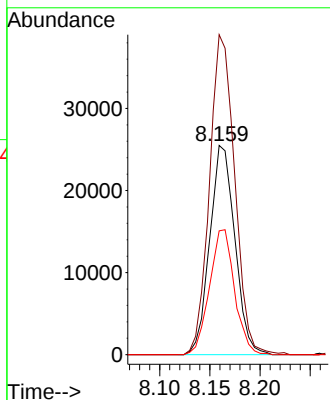
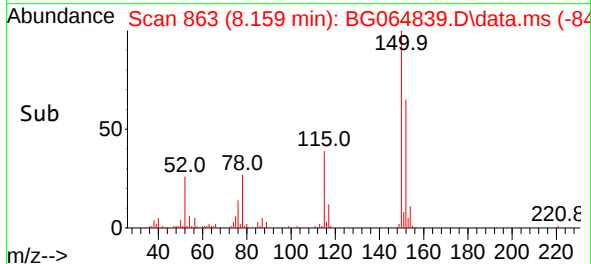


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.159 min Scan# 80
Delta R.T. -0.008 min
Lab File: BG064839.D
Acq: 21 Nov 2025 10:49

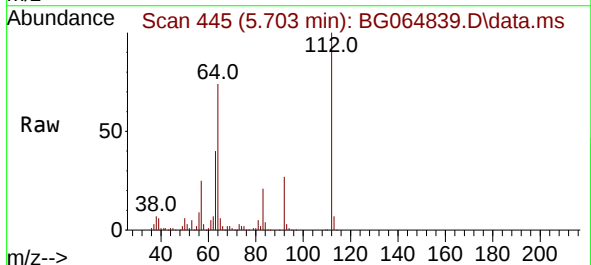
Instrument :
BNA_G
ClientSampleId :



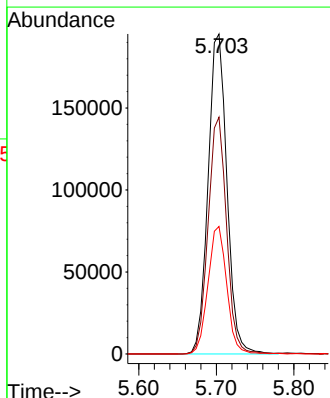
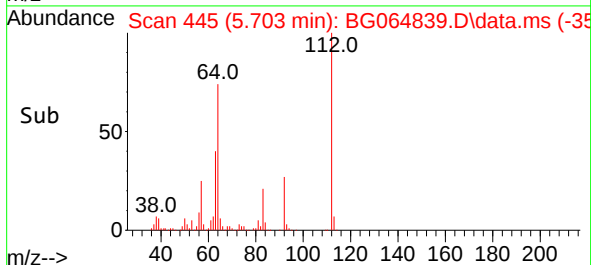
Tgt Ion:152 Resp: 44450
Ion Ratio Lower Upper
152 100
150 152.9 129.2 193.8
115 59.2 53.7 80.5

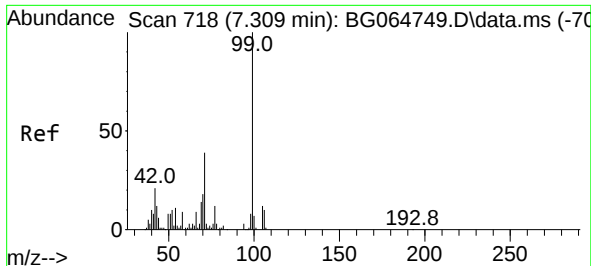


#5
2-Fluorophenol
Concen: 129.464 ng
RT: 5.703 min Scan# 445
Delta R.T. 0.004 min
Lab File: BG064839.D
Acq: 21 Nov 2025 10:49



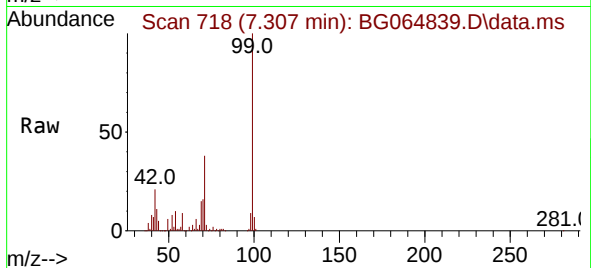
Tgt Ion:112 Resp: 329551
Ion Ratio Lower Upper
112 100
64 74.0 61.0 91.4
63 39.9 33.3 49.9



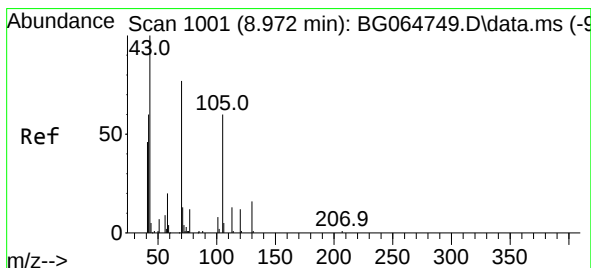
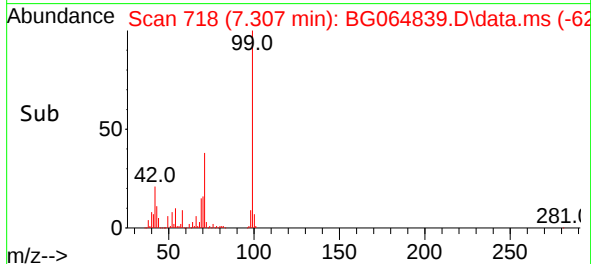
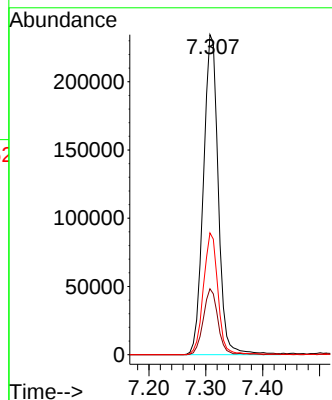


#7
Phenol-d6
Concen: 125.775 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG064839.D
Acq: 21 Nov 2025 10:49

Instrument :
BNA_G
ClientSampleId :

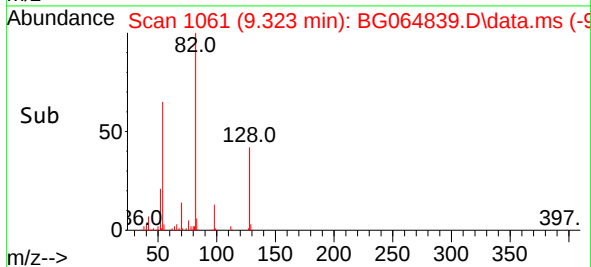
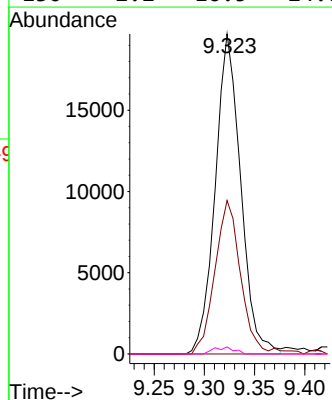
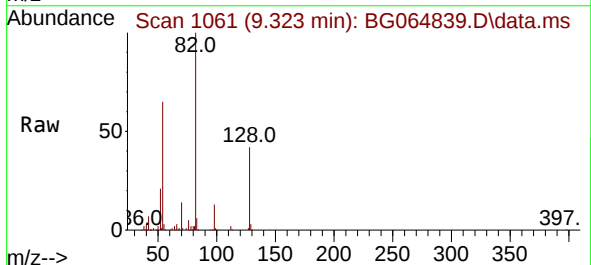


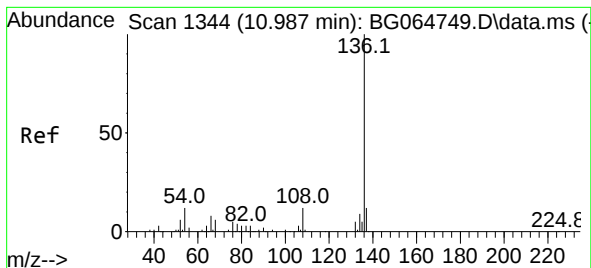
Tgt Ion: 99 Resp: 425828
Ion Ratio Lower Upper
99 100
42 20.6 16.8 25.2
71 38.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.166 ng
RT: 9.323 min Scan# 1061
Delta R.T. 0.350 min
Lab File: BG064839.D
Acq: 21 Nov 2025 10:49

Tgt Ion: 70 Resp: 34718
Ion Ratio Lower Upper
70 100
42 48.0 62.6 93.8#
101 0.0 8.0 12.0#
130 2.2 16.5 24.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.979 min Scan# 11

Delta R.T. -0.008 min

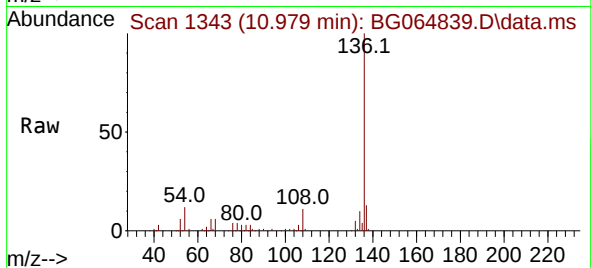
Lab File: BG064839.D

Acq: 21 Nov 2025 10:49

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:136 Resp: 174541

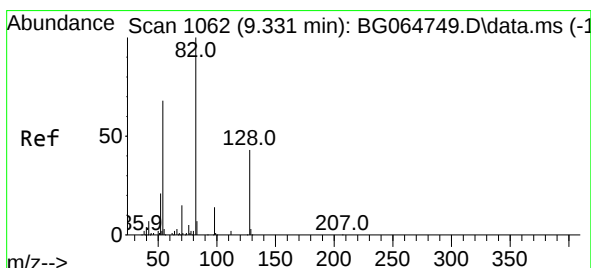
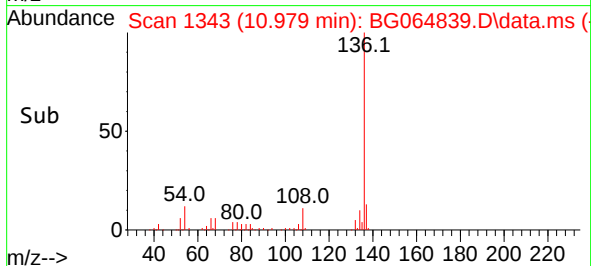
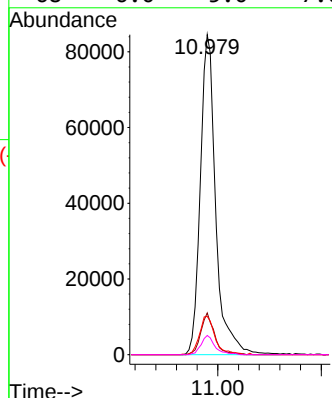
Ion Ratio Lower Upper

136 100

137 13.0 9.3 13.9

54 12.0 9.3 13.9

68 6.0 5.0 7.6



#23

Nitrobenzene-d5

Concen: 74.481 ng

RT: 9.323 min Scan# 1061

Delta R.T. -0.008 min

Lab File: BG064839.D

Acq: 21 Nov 2025 10:49

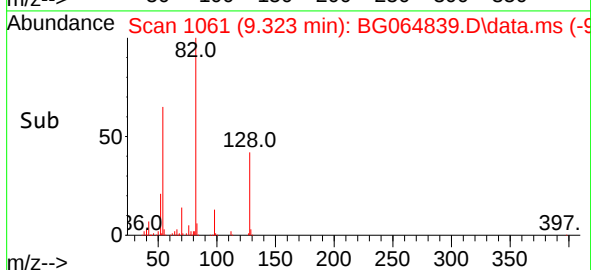
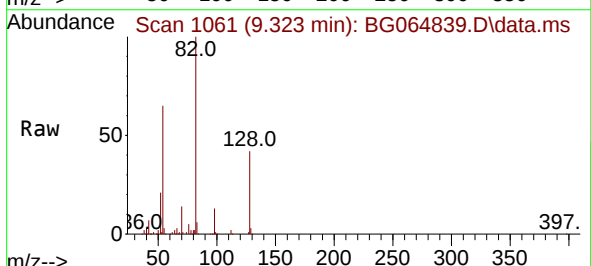
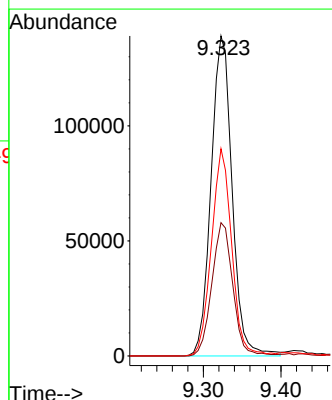
Tgt Ion: 82 Resp: 262931

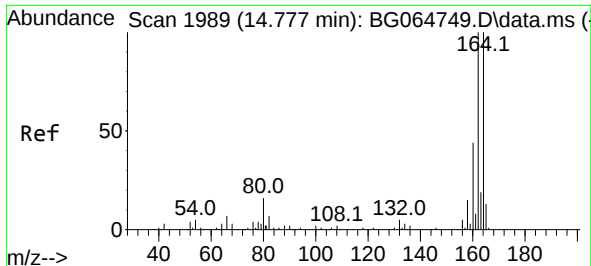
Ion Ratio Lower Upper

82 100

128 41.6 34.1 51.1

54 64.7 54.3 81.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.769 min Scan# 1988

Delta R.T. -0.008 min

Lab File: BG064839.D

Acq: 21 Nov 2025 10:49

Instrument :

BNA_G

ClientSampleId :

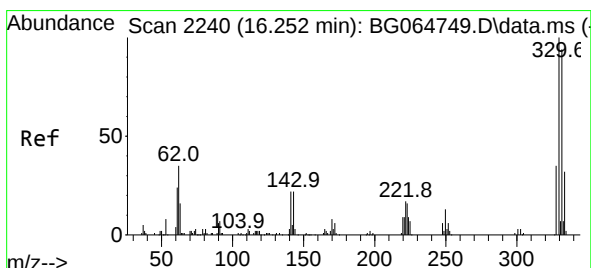
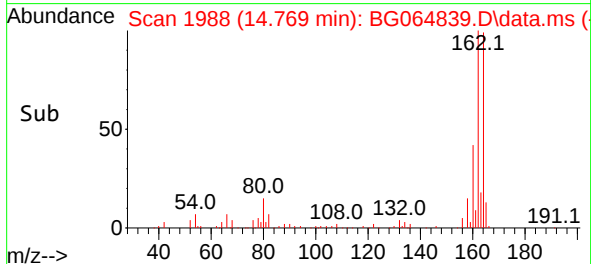
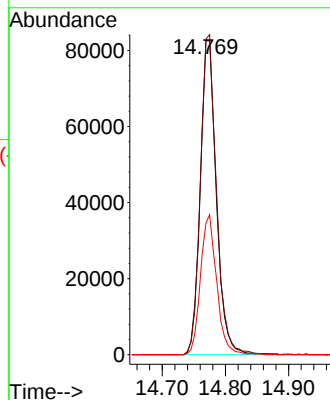
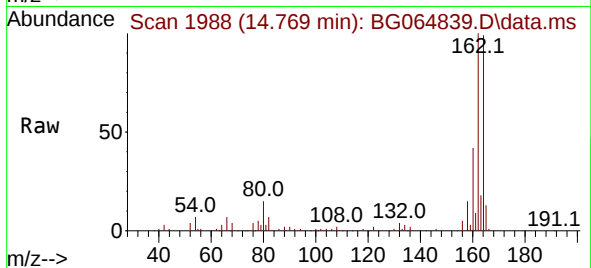
Tgt Ion:164 Resp: 146167

Ion Ratio Lower Upper

164 100

162 100.5 79.8 119.6

160 41.9 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 117.734 ng

RT: 16.250 min Scan# 2240

Delta R.T. -0.002 min

Lab File: BG064839.D

Acq: 21 Nov 2025 10:49

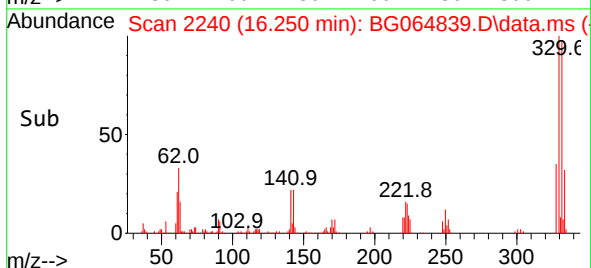
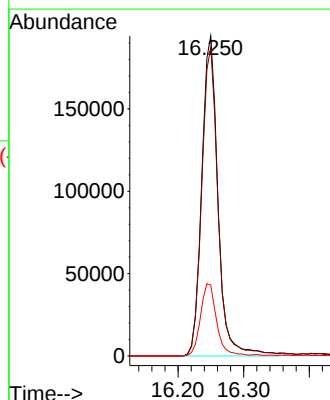
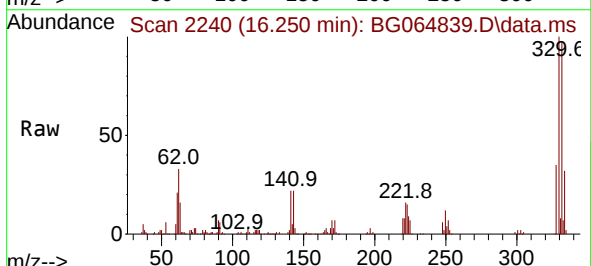
Tgt Ion:330 Resp: 335625

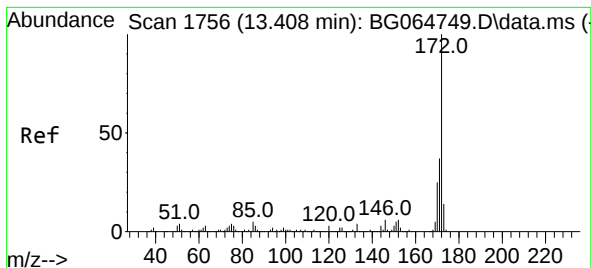
Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

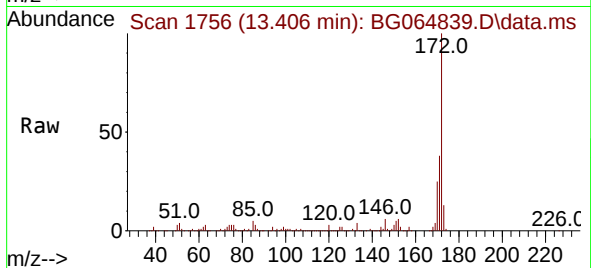
141 22.4 18.2 27.2



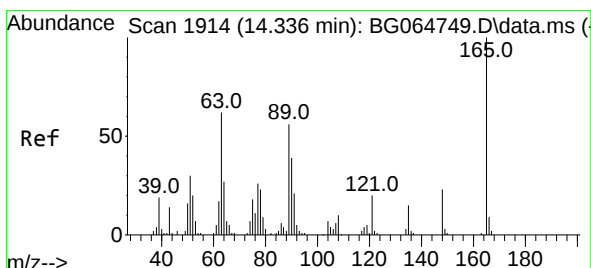
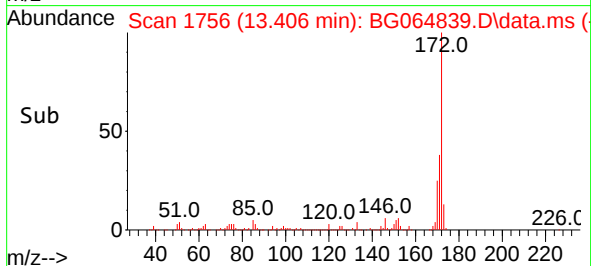
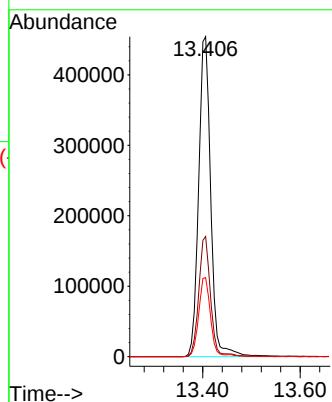


#45
2-Fluorobiphenyl
Concen: 74.963 ng
RT: 13.406 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064839.D
Acq: 21 Nov 2025 10:49

Instrument :
BNA_G
ClientSampleId :

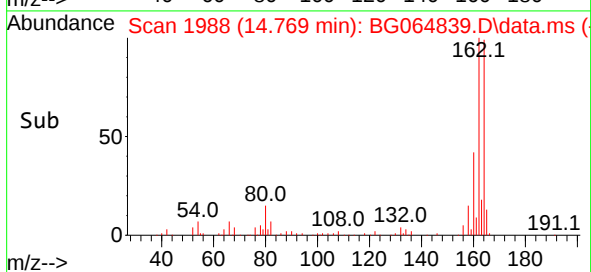
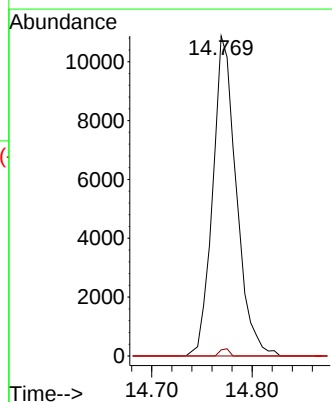
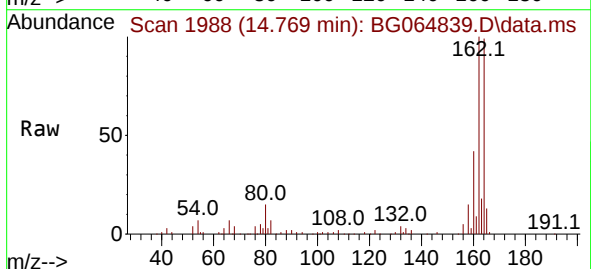


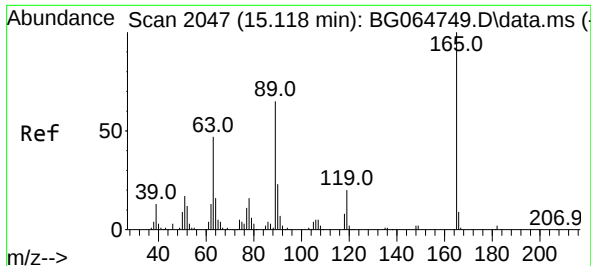
Tgt Ion:172 Resp: 785262
Ion Ratio Lower Upper
172 100
171 37.6 29.9 44.9
170 24.7 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 7.999 ng
RT: 14.769 min Scan# 1988
Delta R.T. 0.433 min
Lab File: BG064839.D
Acq: 21 Nov 2025 10:49

Tgt Ion:165 Resp: 17771
Ion Ratio Lower Upper
165 100
63 1.9 49.8 74.8#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.336 ng

RT: 14.769 min Scan# 1988

Delta R.T. -0.349 min

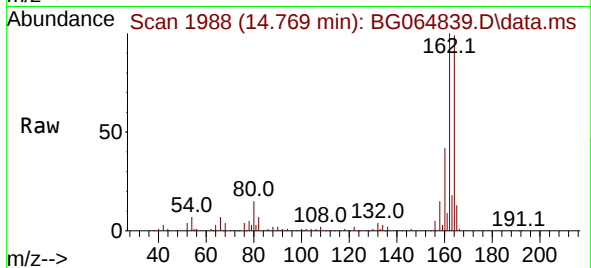
Lab File: BG064839.D

Acq: 21 Nov 2025 10:49

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 17772

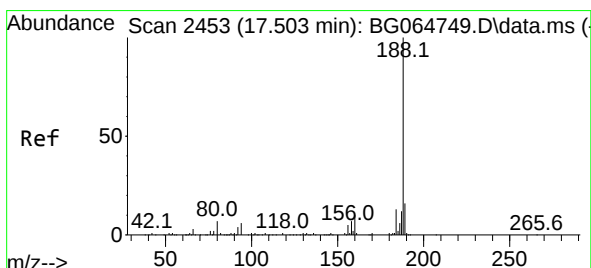
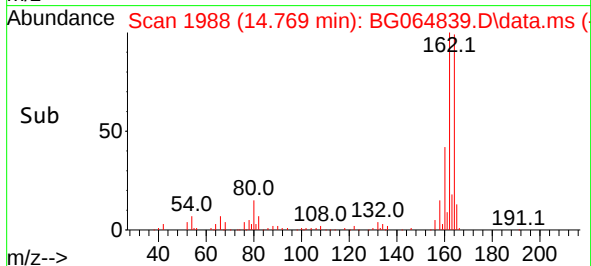
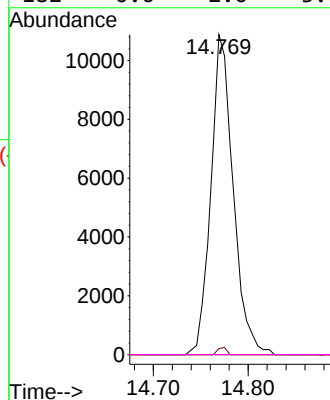
Ion Ratio Lower Upper

165 100

63 1.9 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. -0.002 min

Lab File: BG064839.D

Acq: 21 Nov 2025 10:49

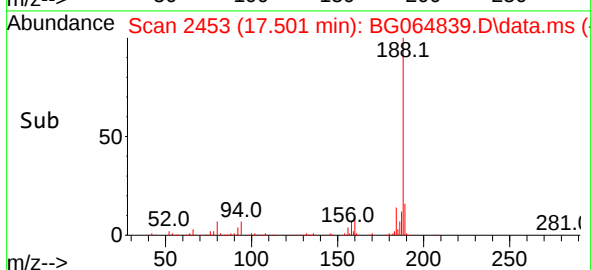
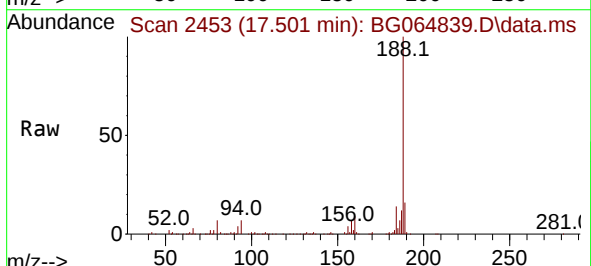
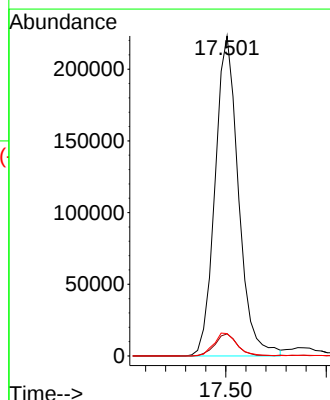
Tgt Ion:188 Resp: 361264

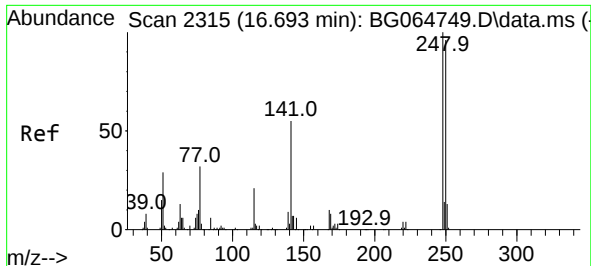
Ion Ratio Lower Upper

188 100

94 6.9 4.7 7.1

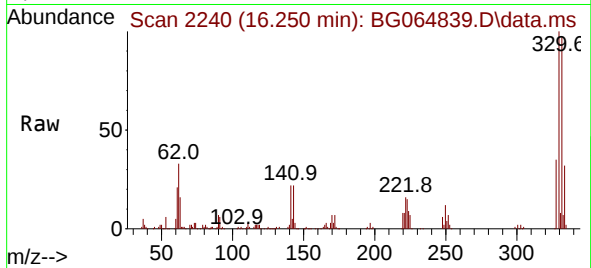
80 7.0 5.4 8.2



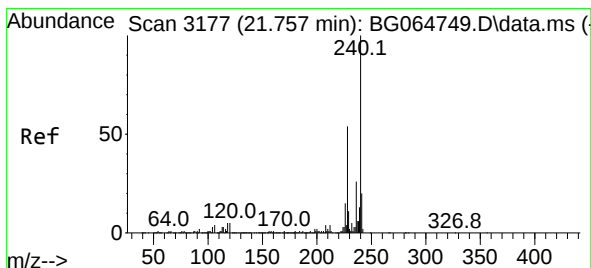
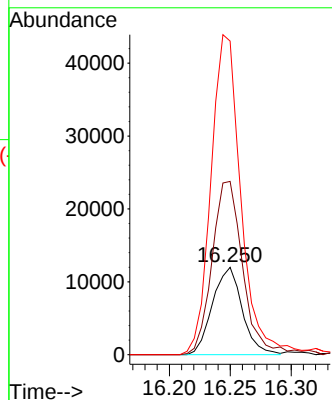
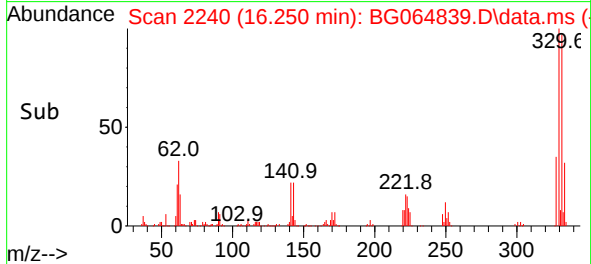


#67
4-Bromophenyl-phenylether
Concen: 4.300 ng
RT: 16.250 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG064839.D
Acq: 21 Nov 2025 10:49

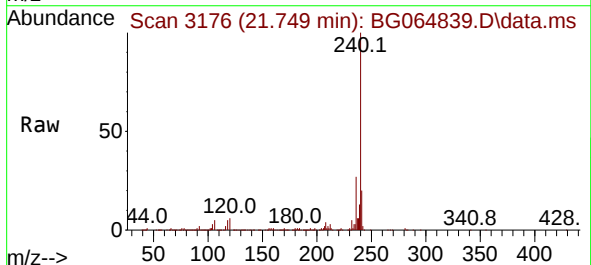
Instrument :
BNA_G
ClientSampleId :



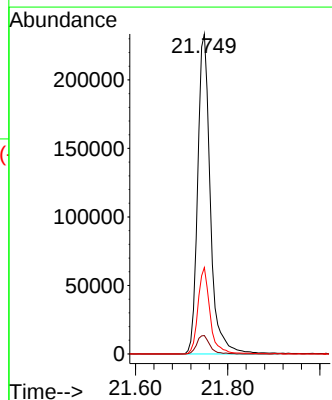
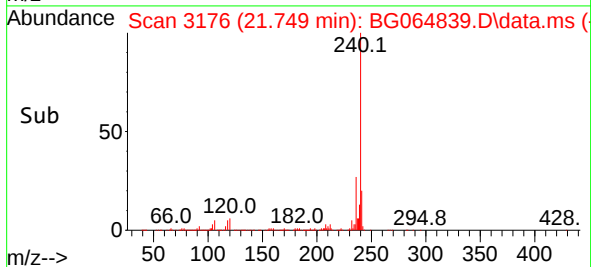
Tgt Ion:248 Resp: 20398
Ion Ratio Lower Upper
248 100
250 202.9 77.0 115.6#
141 276.9 43.7 65.5#

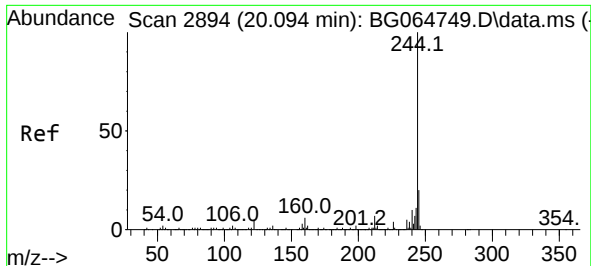


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.008 min
Lab File: BG064839.D
Acq: 21 Nov 2025 10:49



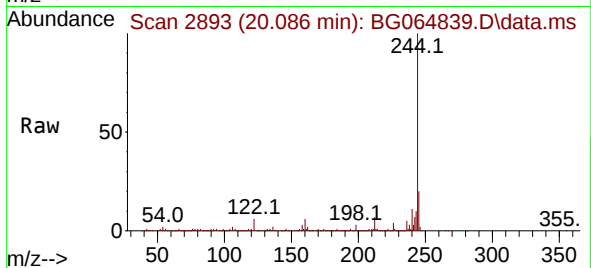
Tgt Ion:240 Resp: 444014
Ion Ratio Lower Upper
240 100
120 5.8 4.2 6.4
236 27.0 20.8 31.2



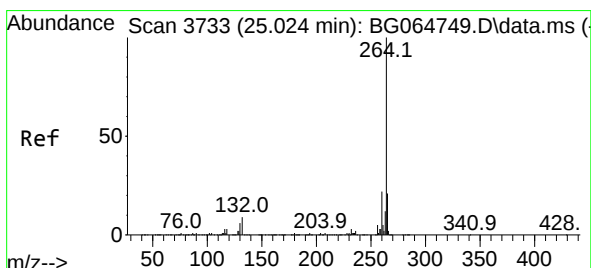
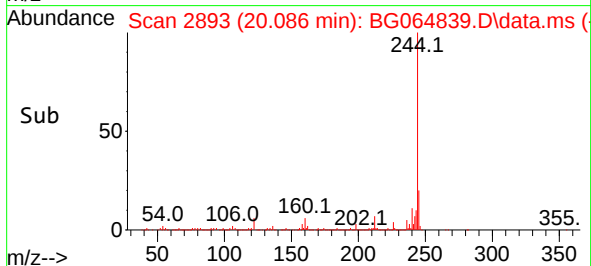
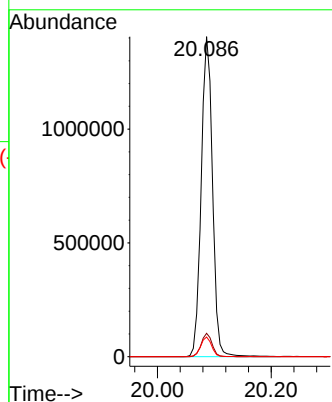


#79
 Terphenyl-d14
 Concen: 85.898 ng
 RT: 20.086 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG064839.D
 Acq: 21 Nov 2025 10:49

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:244 Resp: 1938900
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 6.2 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: BG064839.D
 Acq: 21 Nov 2025 10:49

Tgt Ion:264 Resp: 434648
 Ion Ratio Lower Upper
 264 100
 260 24.3 17.2 25.8
 265 22.2 16.6 25.0

