

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064768.D
 Acq On : 13 Nov 2025 22:48
 Operator : RC/JU
 Sample : Q3614-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Nov 14 05:05:14 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)

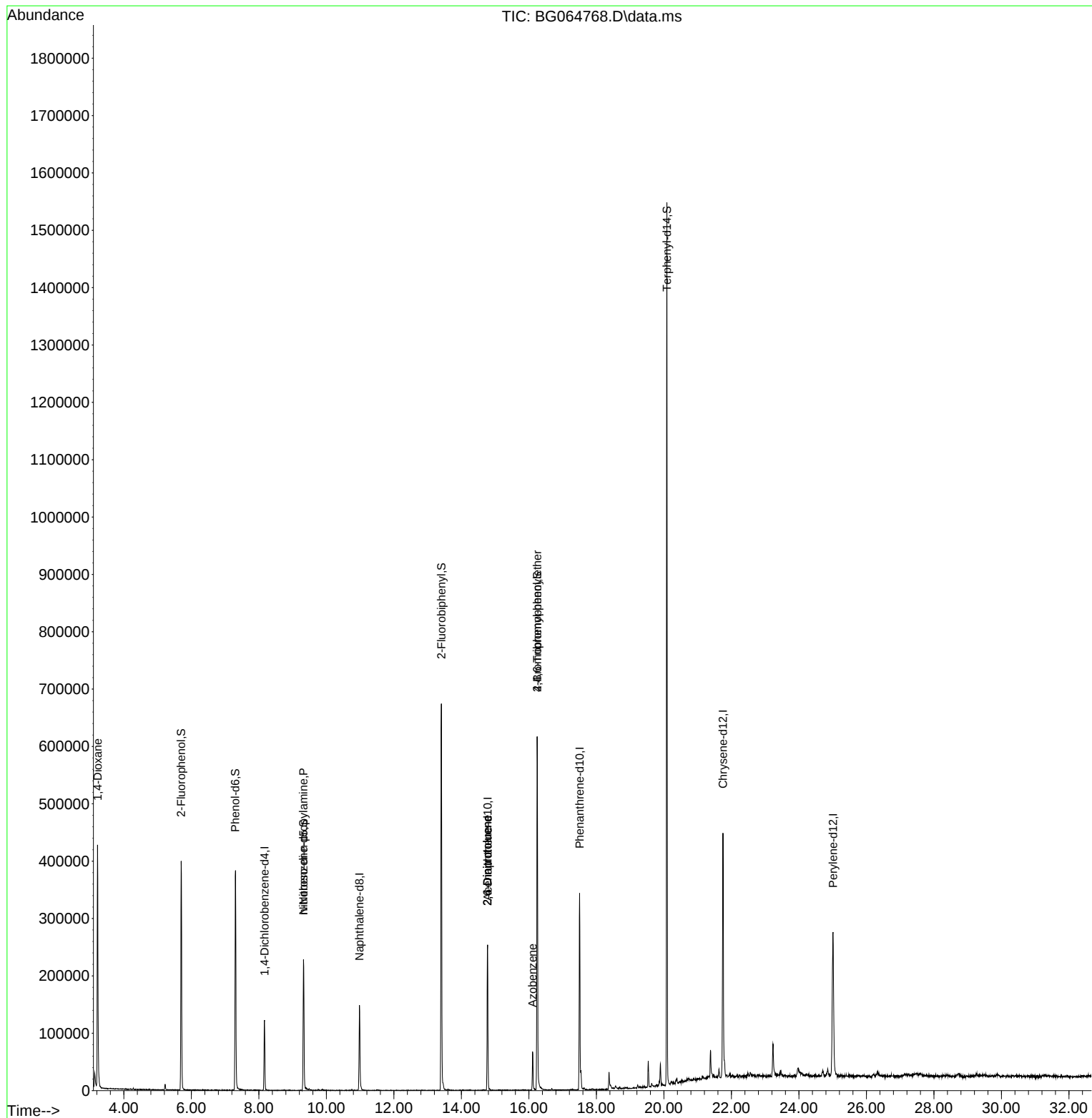
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	36331	20.000	ng	0.00
21) Naphthalene-d8	10.980	136	134433	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	103762	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	245156	20.000	ng	0.00
76) Chrysene-d12	21.749	240	300613	20.000	ng	0.00
86) Perylene-d12	25.010	264	308402	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	167125	80.327	ng	0.00
7) Phenol-d6	7.302	99	222451	80.388	ng	0.00
23) Nitrobenzene-d5	9.323	82	141060	51.880	ng	0.00
42) 2,4,6-Tribromophenol	16.244	330	156433	77.301	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	392191	52.740	ng	0.00
79) Terphenyl-d14	20.087	244	835514	54.673	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.218	88	3826	4.750	ng	# 1
19) n-Nitroso-di-n-propyla...	9.323	70	19004	10.157	ng	# 65
51) 2,6-Dinitrotoluene	14.769	165	12717	8.063	ng	# 21
57) 2,4-Dinitrotoluene	14.769	165	12717	5.378	ng	# 24
63) Azobenzene	16.109	77	22068	3.379	ng	# 1
67) 4-Bromophenyl-phenylether	16.244	248	8944	2.778	ng	# 1

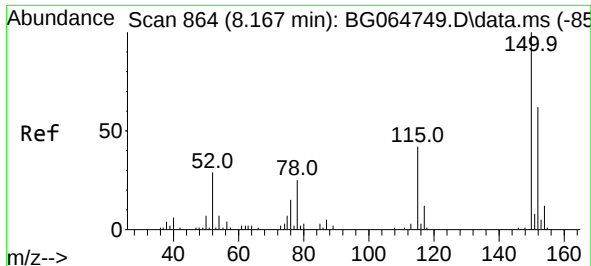
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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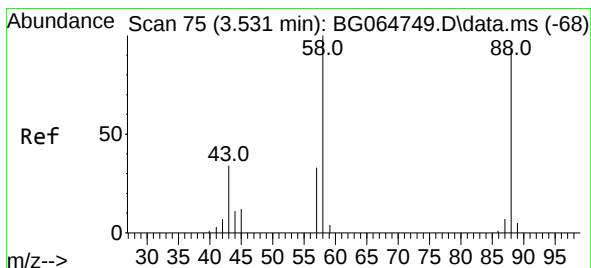
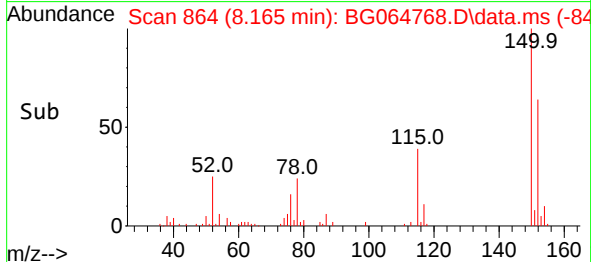
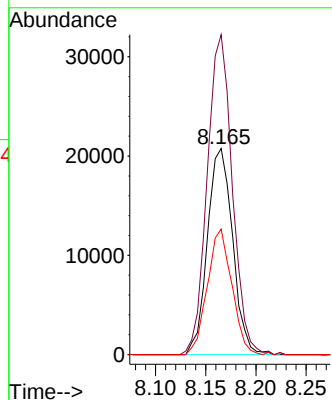
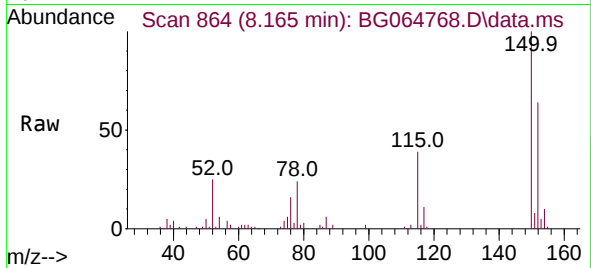




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064768.D
 Acq: 13 Nov 2025 22:48

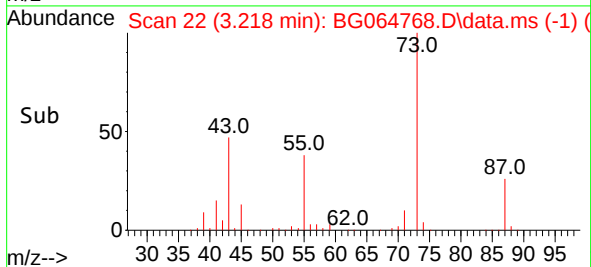
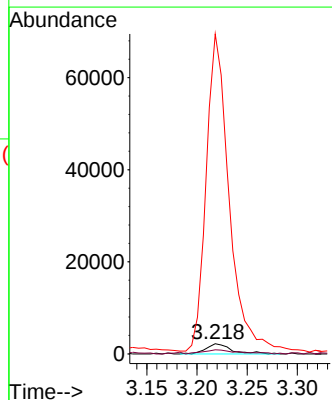
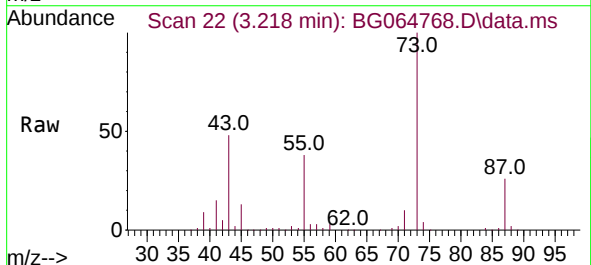
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

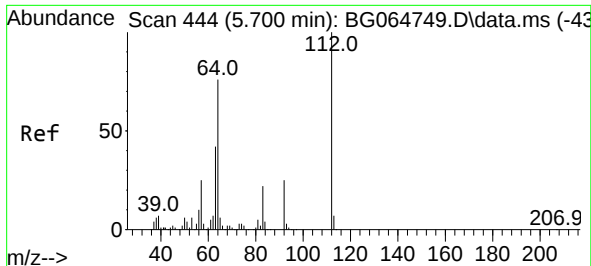
Tgt Ion:152 Resp: 36331
 Ion Ratio Lower Upper
 152 100
 150 155.2 129.2 193.8
 115 60.9 53.7 80.5



#2
 1,4-Dioxane
 Concen: 4.750 ng
 RT: 3.218 min Scan# 22
 Delta R.T. -0.313 min
 Lab File: BG064768.D
 Acq: 13 Nov 2025 22:48

Tgt Ion: 88 Resp: 3826
 Ion Ratio Lower Upper
 88 100
 58 56.6 84.6 126.8#
 43 2899.6 30.0 45.0#

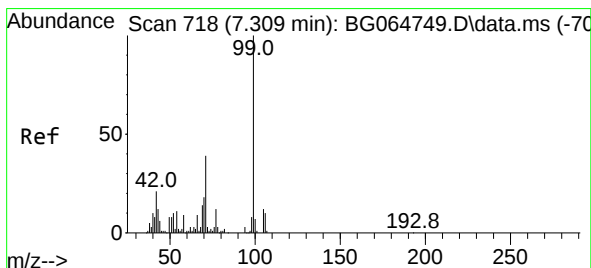
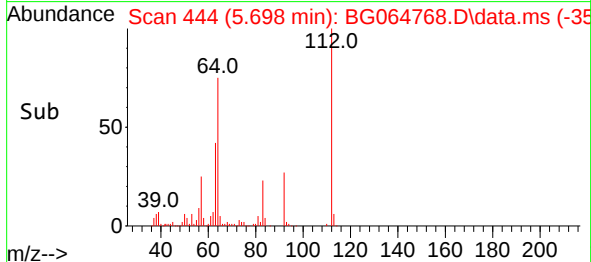
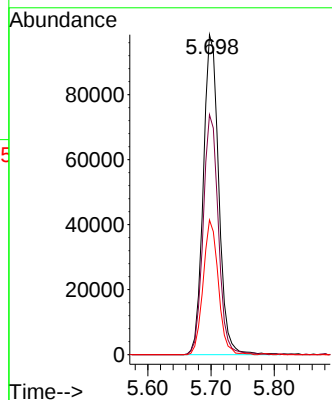
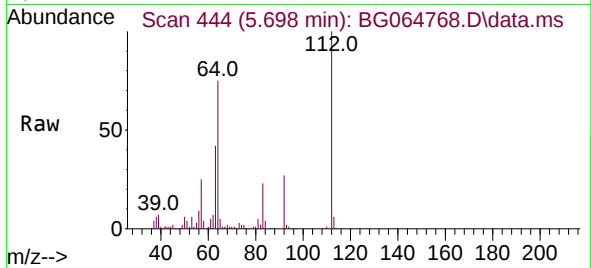




#5
2-Fluorophenol
Concen: 80.327 ng
RT: 5.698 min Scan# 444
Delta R.T. -0.002 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

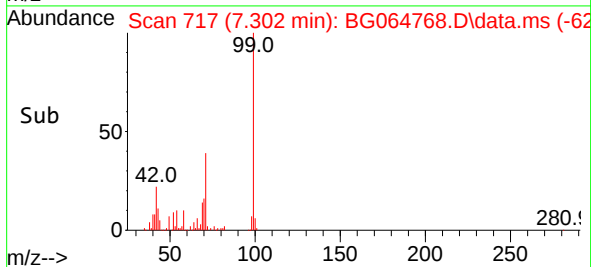
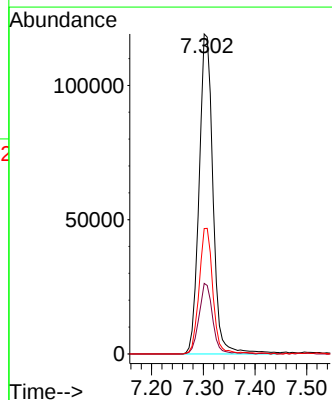
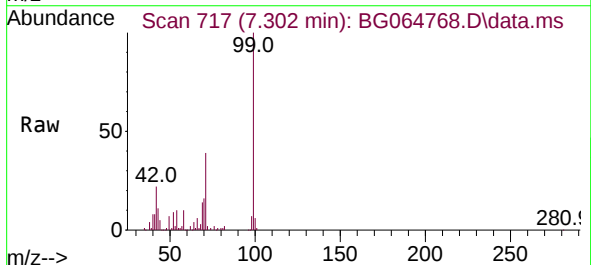
Instrument :
BNA_G
ClientSampleId :
COMP-1

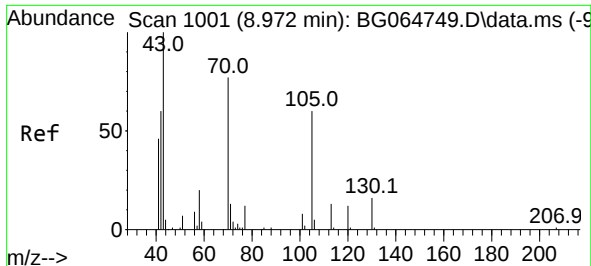
Tgt Ion:112 Resp: 167125
Ion Ratio Lower Upper
112 100
64 75.0 61.0 91.4
63 42.1 33.3 49.9



#7
Phenol-d6
Concen: 80.388 ng
RT: 7.302 min Scan# 717
Delta R.T. -0.008 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

Tgt Ion: 99 Resp: 222451
Ion Ratio Lower Upper
99 100
42 22.0 16.8 25.2
71 39.2 31.1 46.7





#19

n-Nitroso-di-n-propylamine

Concen: 10.157 ng

RT: 9.323 min Scan# 10

Delta R.T. 0.351 min

Lab File: BG064768.D

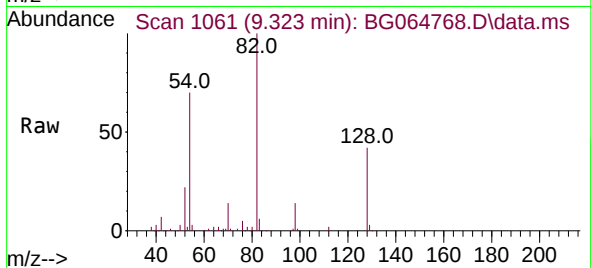
Acq: 13 Nov 2025 22:48

Instrument :

BNA_G

ClientSampleId :

COMP-1



Tgt Ion: 70 Resp: 19004

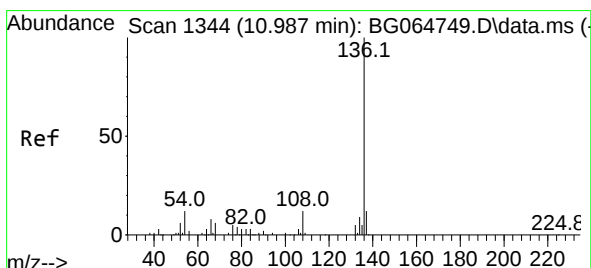
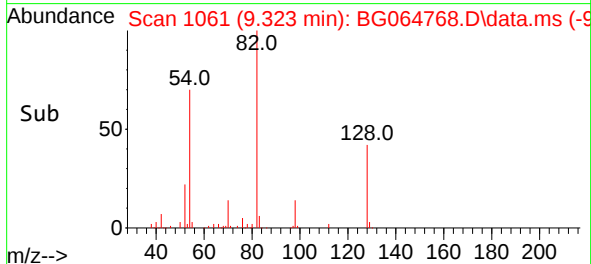
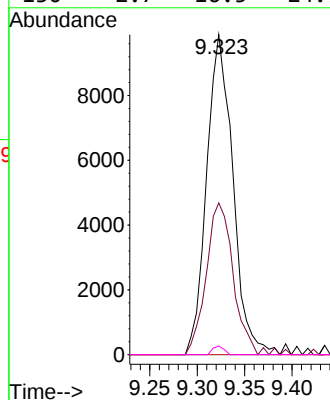
Ion Ratio Lower Upper

70 100

42 47.4 62.6 93.8#

101 0.0 8.0 12.0#

130 2.7 16.5 24.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.980 min Scan# 1343

Delta R.T. -0.007 min

Lab File: BG064768.D

Acq: 13 Nov 2025 22:48

Tgt Ion: 136 Resp: 134433

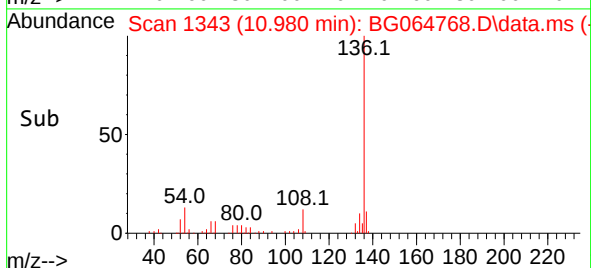
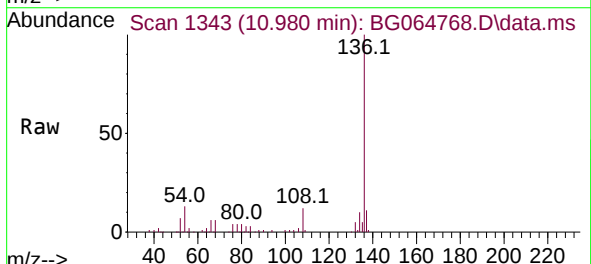
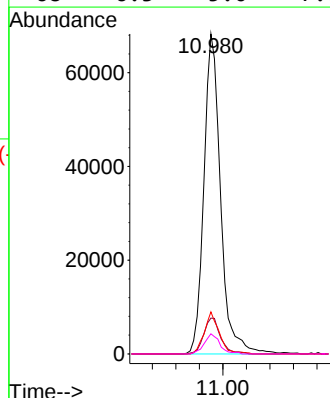
Ion Ratio Lower Upper

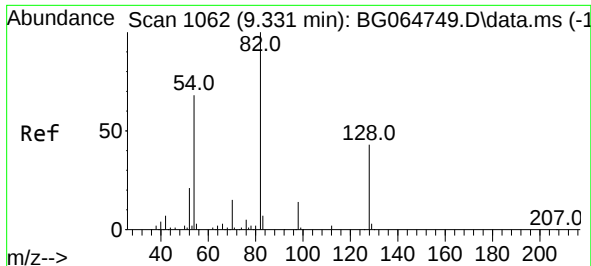
136 100

137 11.2 9.3 13.9

54 13.1 9.3 13.9

68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 51.880 ng

RT: 9.323 min Scan# 1062

Delta R.T. -0.008 min

Lab File: BG064768.D

Acq: 13 Nov 2025 22:48

Instrument :

BNA_G

ClientSampleId :

COMP-1

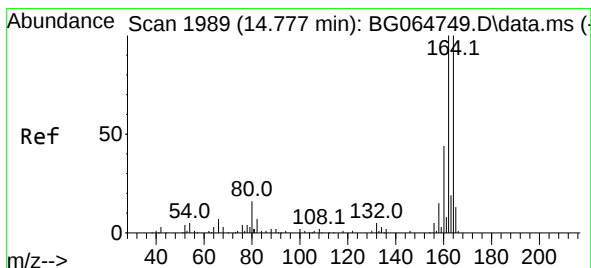
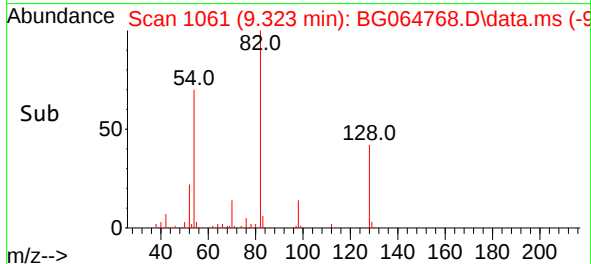
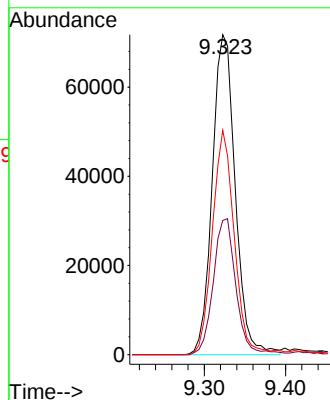
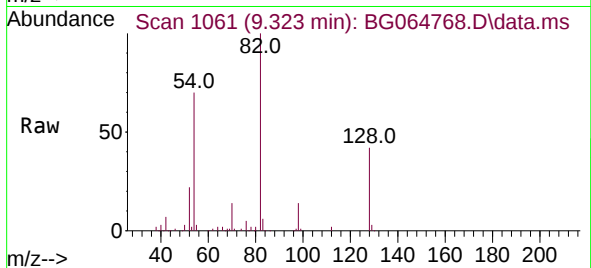
Tgt Ion: 82 Resp: 141060

Ion Ratio Lower Upper

82 100

128 41.9 34.1 51.1

54 70.1 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.775 min Scan# 1989

Delta R.T. -0.002 min

Lab File: BG064768.D

Acq: 13 Nov 2025 22:48

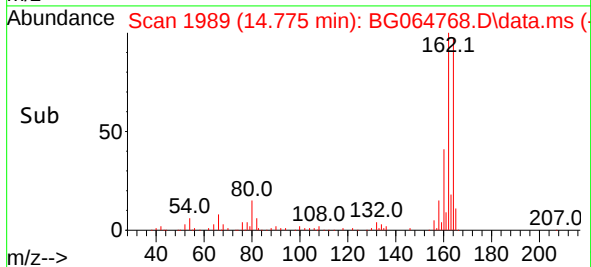
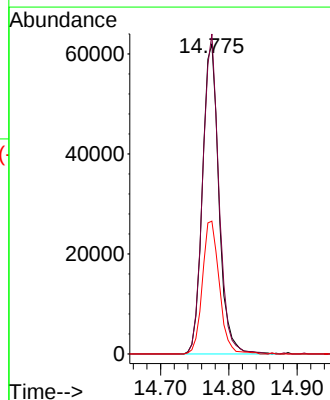
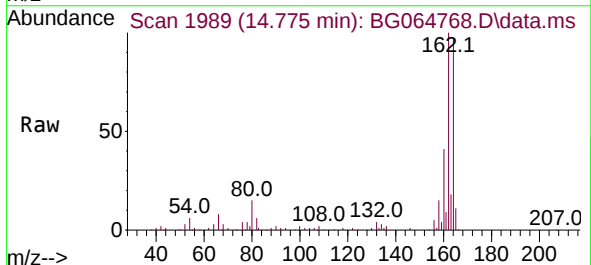
Tgt Ion: 164 Resp: 103762

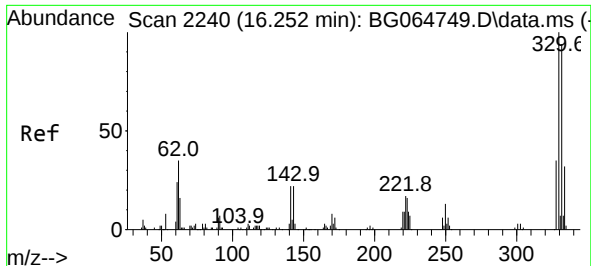
Ion Ratio Lower Upper

164 100

162 103.3 79.8 119.6

160 42.8 34.9 52.3

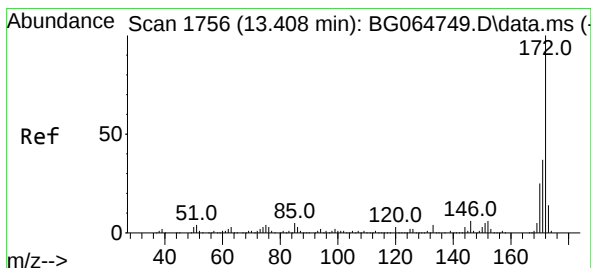
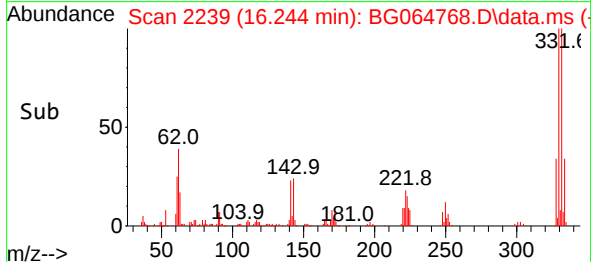
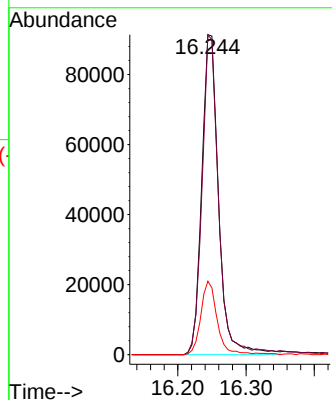
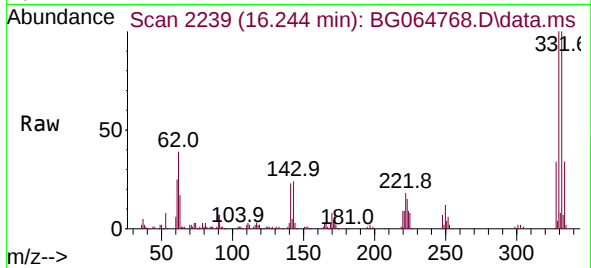




#42
2,4,6-Tribromophenol
Concen: 77.301 ng
RT: 16.244 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

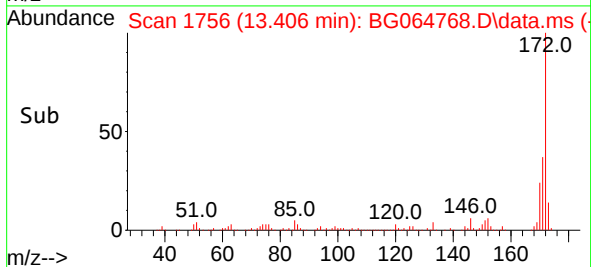
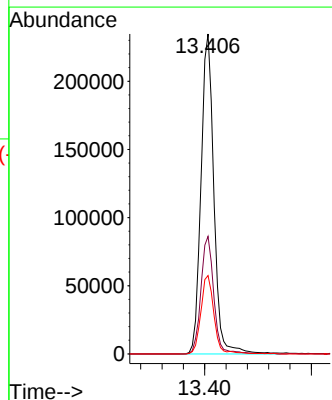
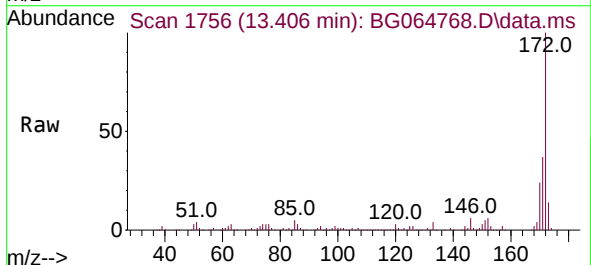
Instrument :
BNA_G
ClientSampleId :
COMP-1

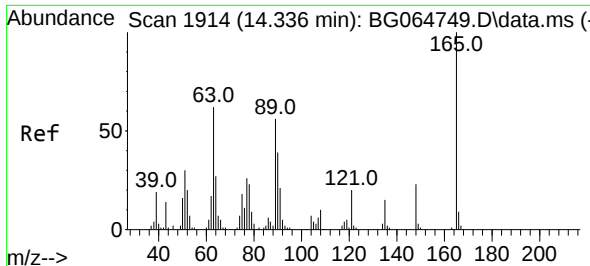
Tgt Ion:330 Resp: 156433
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 22.1 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 52.740 ng
RT: 13.406 min Scan# 1756
Delta R.T. -0.002 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

Tgt Ion:172 Resp: 392191
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 24.5 19.8 29.6

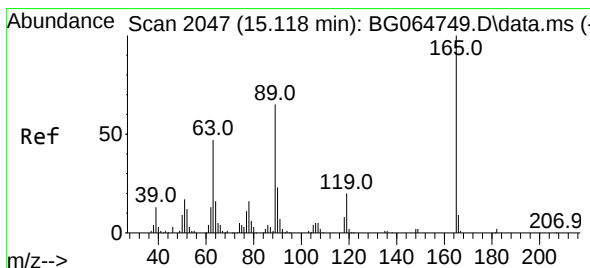
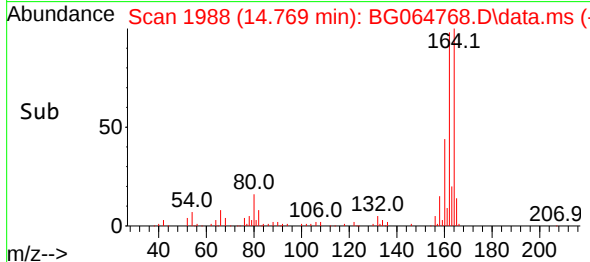
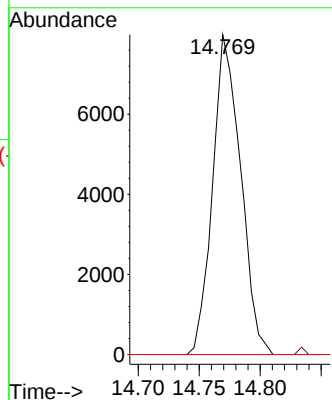
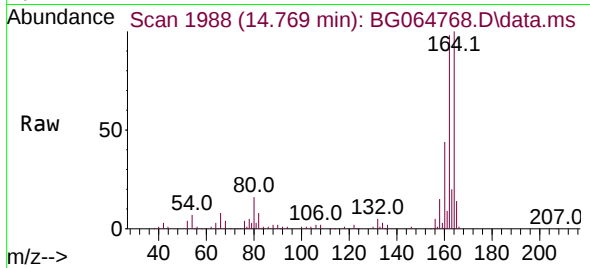




#51
2,6-Dinitrotoluene
Concen: 8.063 ng
RT: 14.769 min Scan# 1914
Delta R.T. 0.433 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

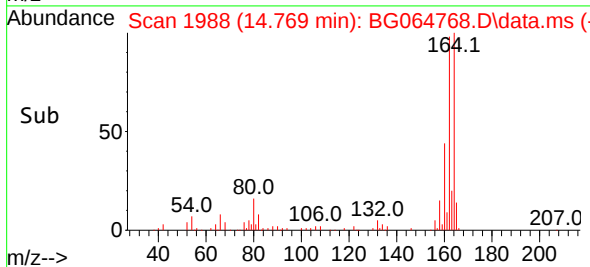
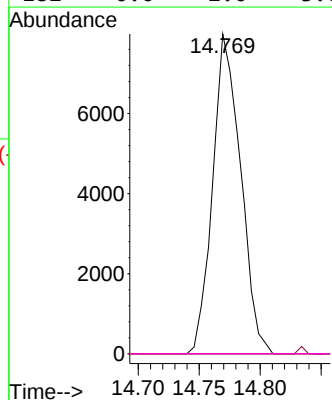
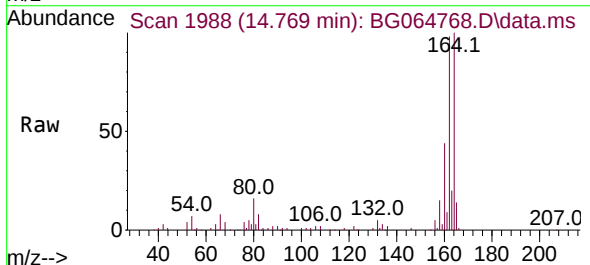
Instrument :
BNA_G
ClientSampleId :
COMP-1

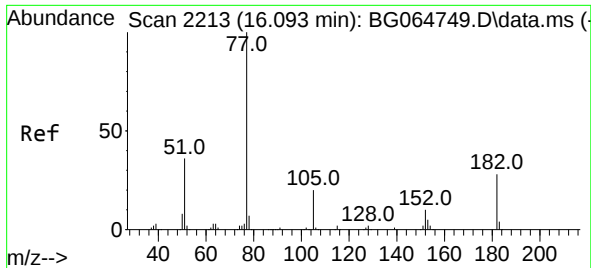
Tgt Ion:165 Resp: 12717
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.378 ng
RT: 14.769 min Scan# 1988
Delta R.T. -0.349 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

Tgt Ion:165 Resp: 12717
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#

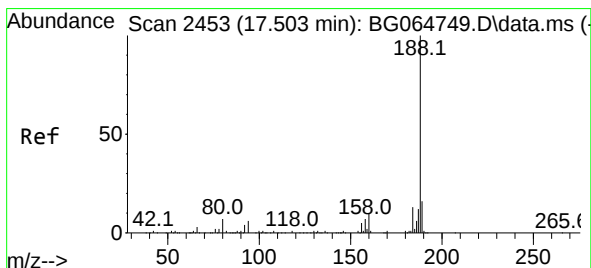
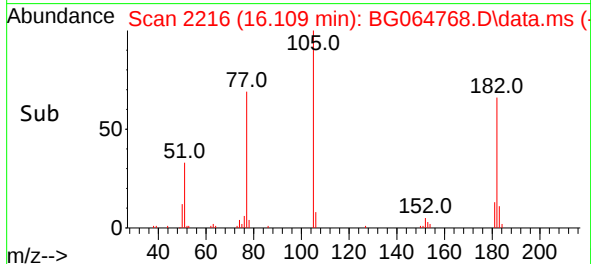
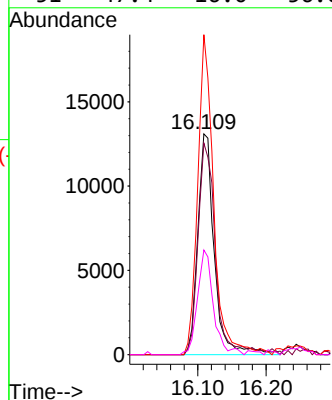
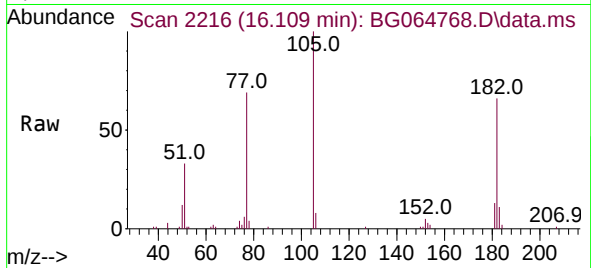




#63
Azobenzene
Concen: 3.379 ng
RT: 16.109 min Scan# 21
Delta R.T. 0.016 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

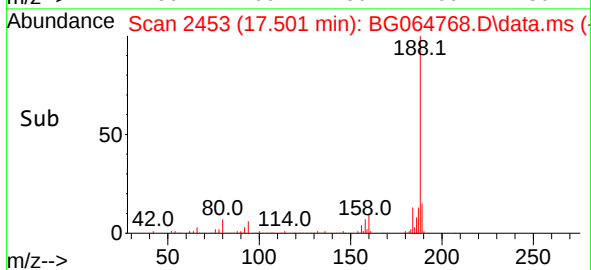
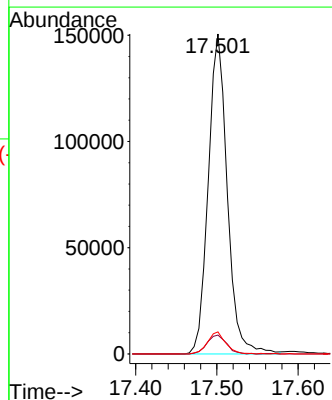
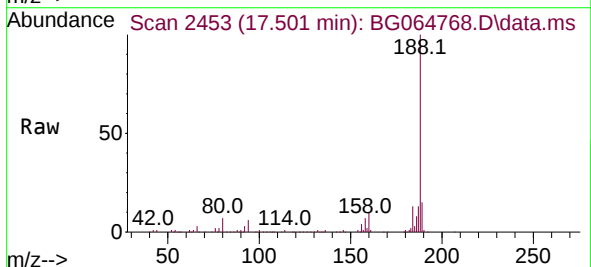
Instrument :
BNA_G
ClientSampleId :
COMP-1

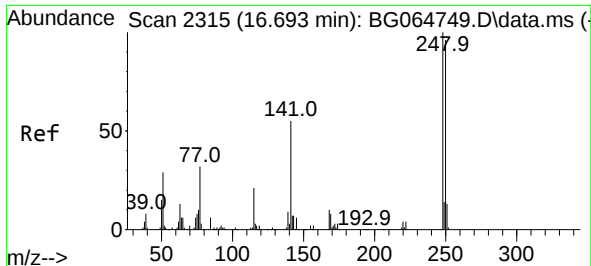
Tgt Ion: 77	Resp: 22068
Ion Ratio	Lower Upper
77 100	
182 95.8	8.1 48.1#
105 145.0	0.1 40.1#
51 47.4	16.0 56.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.002 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

Tgt Ion: 188	Resp: 245156
Ion Ratio	Lower Upper
188 100	
94 5.9	4.7 7.1
80 6.9	5.4 8.2

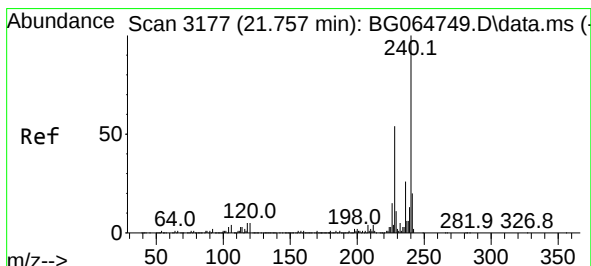
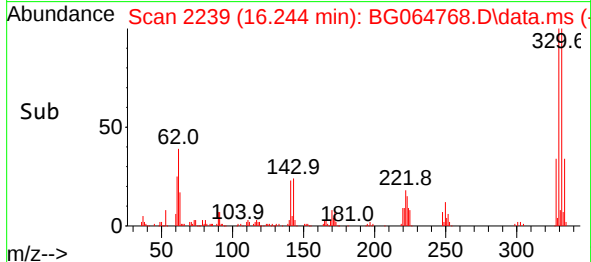
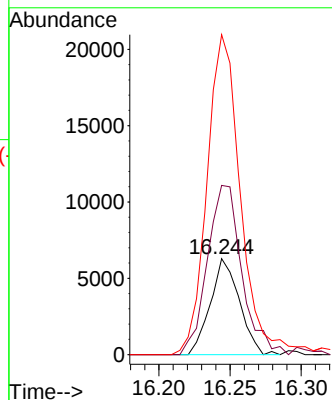
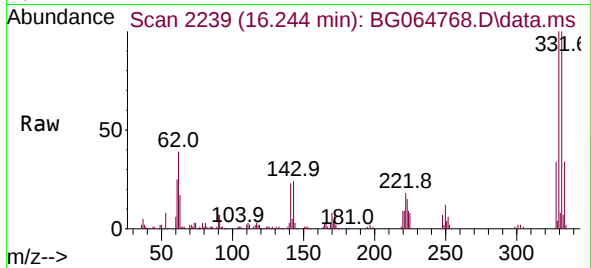




#67
4-Bromophenyl-phenylether
Concen: 2.778 ng
RT: 16.244 min Scan# 21
Delta R.T. -0.448 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

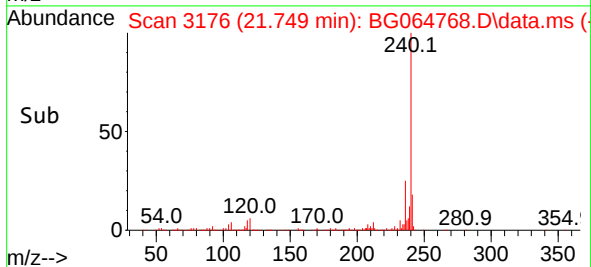
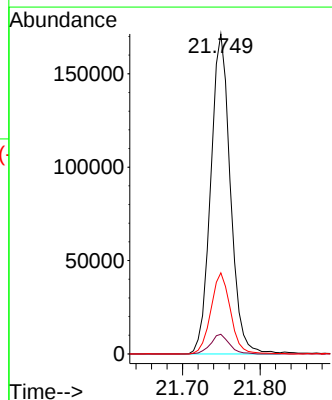
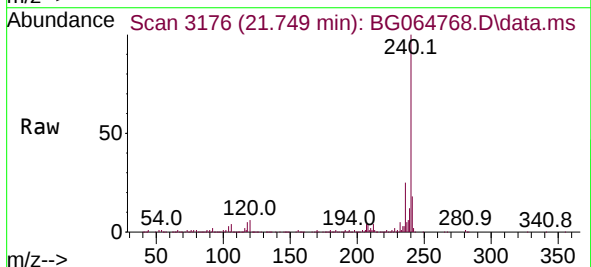
Instrument :
BNA_G
ClientSampleId :
COMP-1

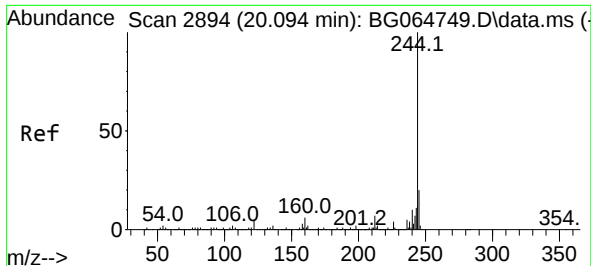
Tgt Ion:248 Resp: 8944
Ion Ratio Lower Upper
248 100
250 181.6 77.0 115.6#
141 255.9 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.008 min
Lab File: BG064768.D
Acq: 13 Nov 2025 22:48

Tgt Ion:240 Resp: 300613
Ion Ratio Lower Upper
240 100
120 6.1 4.2 6.4
236 25.3 20.8 31.2

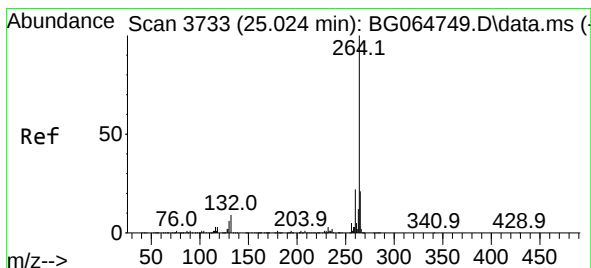
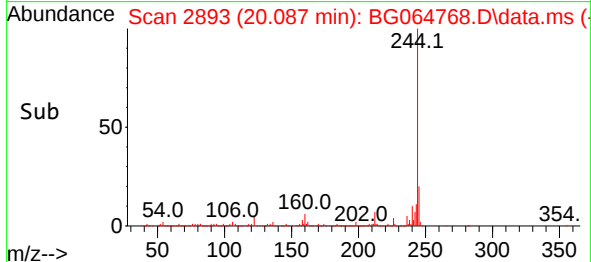
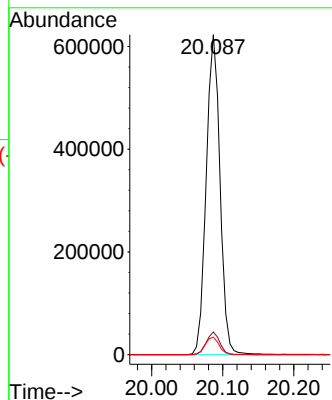
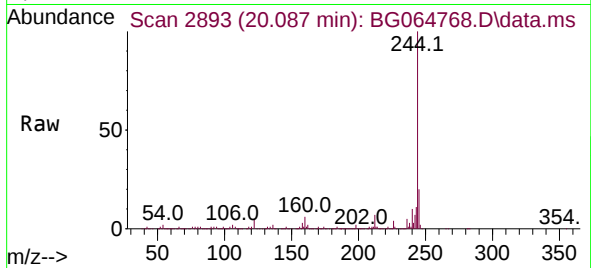




#79
 Terphenyl-d14
 Concen: 54.673 ng
 RT: 20.087 min Scan# 2893
 Delta R.T. -0.008 min
 Lab File: BG064768.D
 Acq: 13 Nov 2025 22:48

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Tgt Ion:244 Resp: 835514
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 5.5 4.3 6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.010 min Scan# 3731
 Delta R.T. -0.014 min
 Lab File: BG064768.D
 Acq: 13 Nov 2025 22:48

Tgt Ion:264 Resp: 308402
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.2 25.8
 265 21.3 16.6 25.0

