

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064766.D
 Acq On : 13 Nov 2025 21:27
 Operator : RC/JU
 Sample : Q3614-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Quant Time: Nov 14 05:04:26 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)

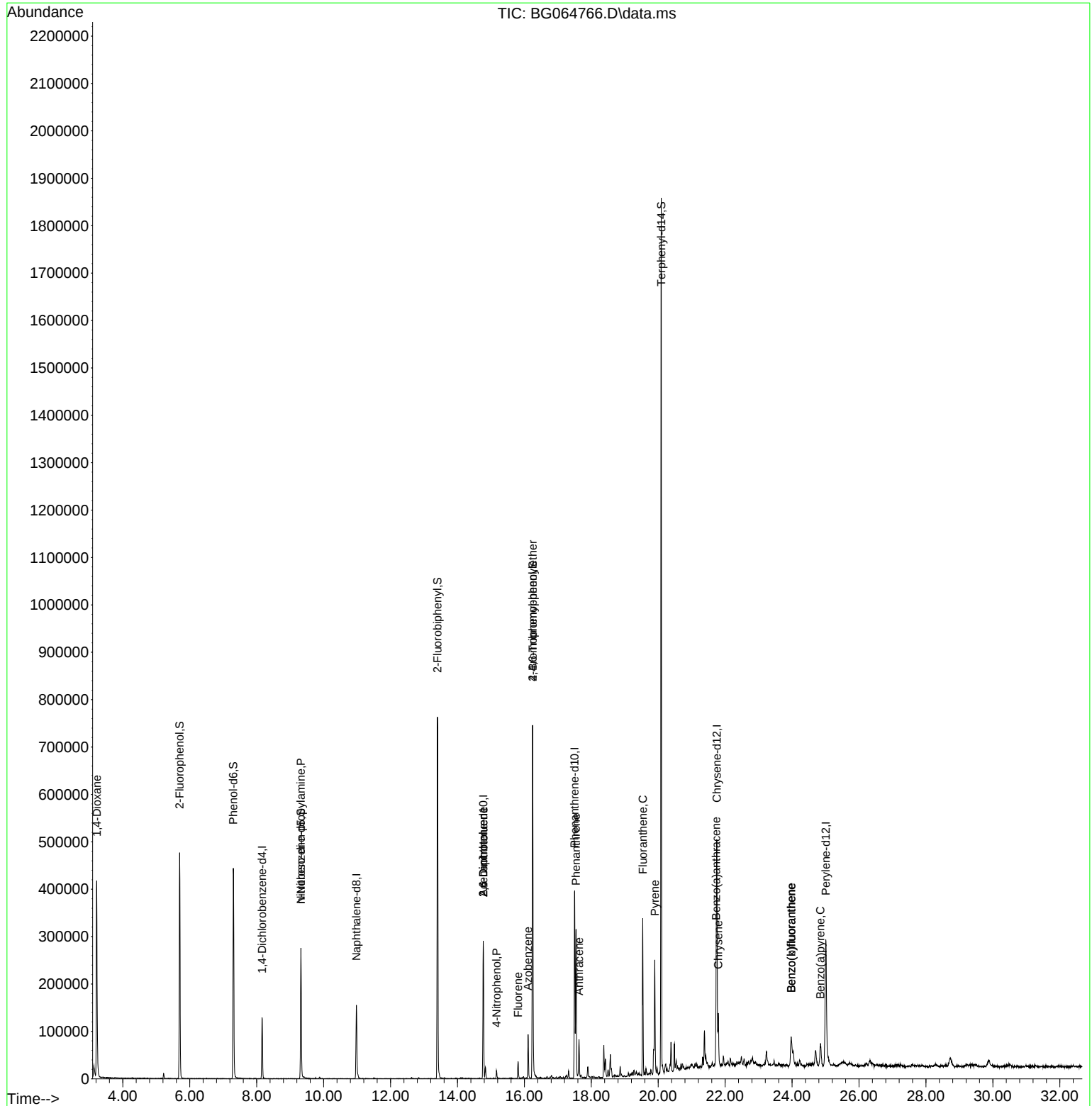
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	37846	20.000	ng	0.00
21) Naphthalene-d8	10.982	136	144314	20.000	ng	0.00
39) Acenaphthene-d10	14.771	164	117322	20.000	ng	0.00
64) Phenanthrene-d10	17.497	188	277033	20.000	ng	0.00
76) Chrysene-d12	21.751	240	316134	20.000	ng	0.00
86) Perylene-d12	25.006	264	333844	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	196887	90.844	ng	0.00
7) Phenol-d6	7.304	99	254076	88.141	ng	0.00
23) Nitrobenzene-d5	9.325	82	160721	55.064	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	187987	82.157	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	451983	53.756	ng	0.00
79) Terphenyl-d14	20.089	244	982055	61.107	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.220	88	4217	5.026	ng	# 1
19) n-Nitroso-di-n-propyla...	9.325	70	21218	10.886	ng	# 67
51) 2,6-Dinitrotoluene	14.771	165	15369	8.618	ng	# 23
56) 4-Nitrophenol	15.171	139	4277	3.063	ng	# 1
57) 2,4-Dinitrotoluene	14.771	165	15369	5.749	ng	# 26
58) Fluorene	15.811	166	17989	2.040	ng	94
63) Azobenzene	16.111	77	25342	3.432	ng	# 1
67) 4-Bromophenyl-phenylether	16.246	248	12019	3.304	ng	# 1
71) Phenanthrene	17.544	178	220996	14.580	ng	100
72) Anthracene	17.633	178	56463	3.653	ng	99
75) Fluoranthene	19.536	202	223744	10.795	ng	99
78) Pyrene	19.895	202	170056	9.598	ng	97
81) Benzo(a)anthracene	21.728	228	96150	4.473	ng	98
83) Chrysene	21.792	228	77786	3.838	ng	96
88) Benzo(b)fluoranthene	23.972	252	91404	4.302	ng	96
89) Benzo(k)fluoranthene	23.972	252	91404	4.282	ng	96
90) Benzo(a)pyrene	24.848	252	60047	3.047	ng	# 95

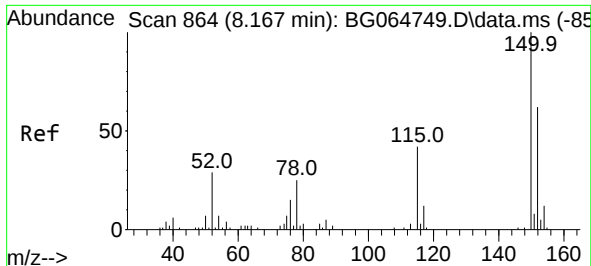
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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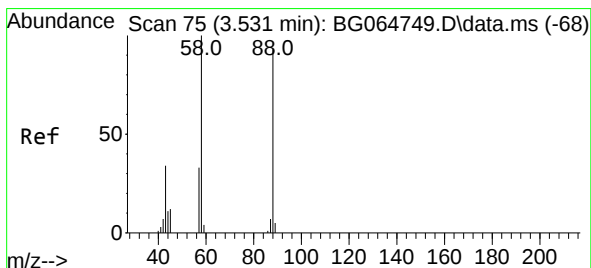
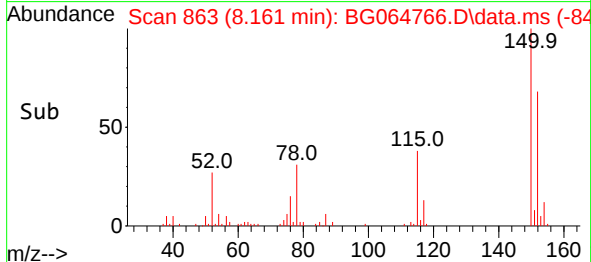
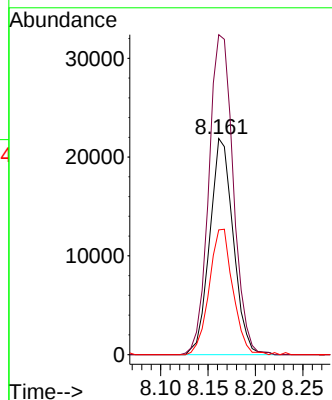
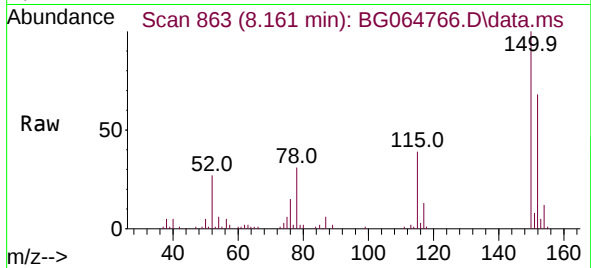




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.161 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

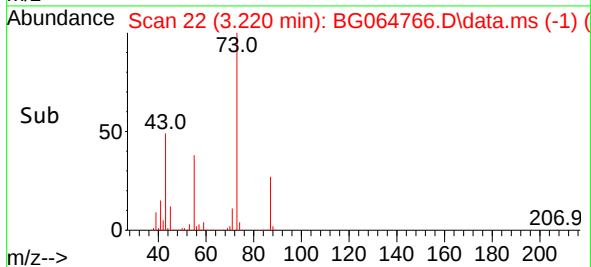
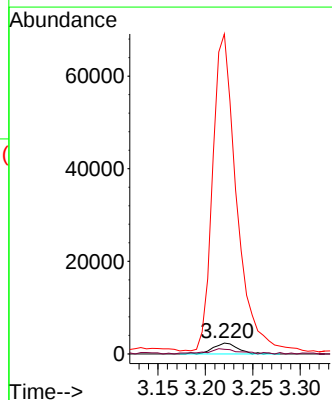
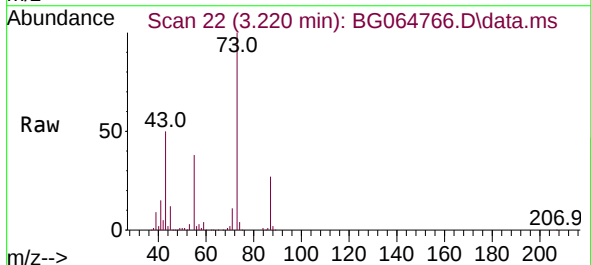
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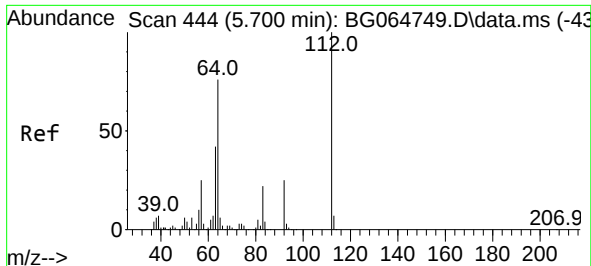
Tgt Ion:152 Resp: 37846
 Ion Ratio Lower Upper
 152 100
 150 148.1 129.2 193.8
 115 57.8 53.7 80.5



#2
 1,4-Dioxane
 Concen: 5.026 ng
 RT: 3.220 min Scan# 22
 Delta R.T. -0.311 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

Tgt Ion: 88 Resp: 4217
 Ion Ratio Lower Upper
 88 100
 58 57.3 84.6 126.8#
 43 2880.4 30.0 45.0#

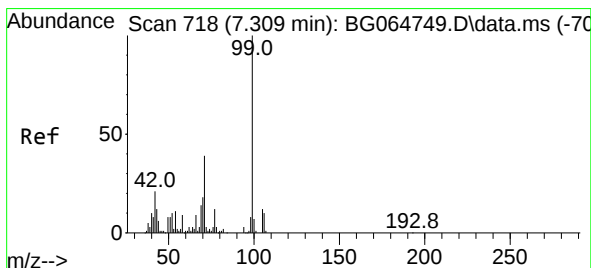
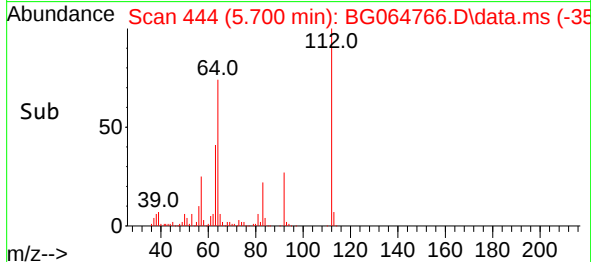
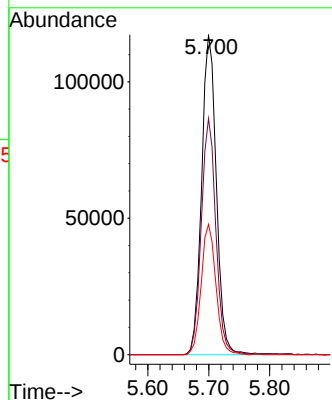
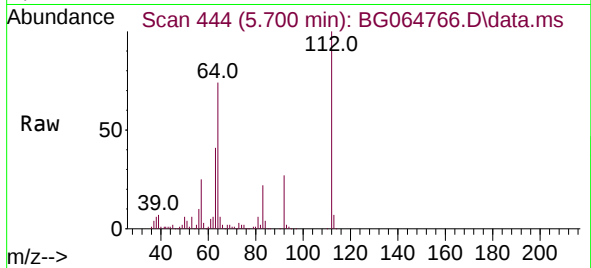




#5
2-Fluorophenol
Concen: 90.844 ng
RT: 5.700 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

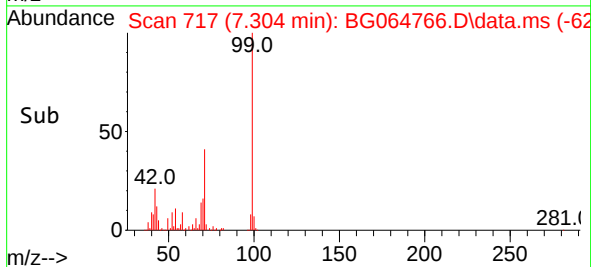
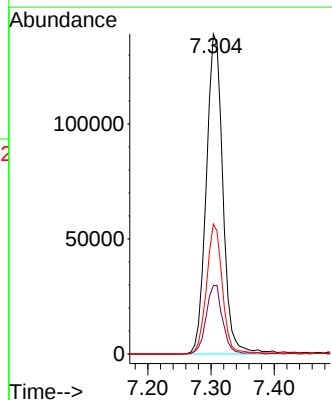
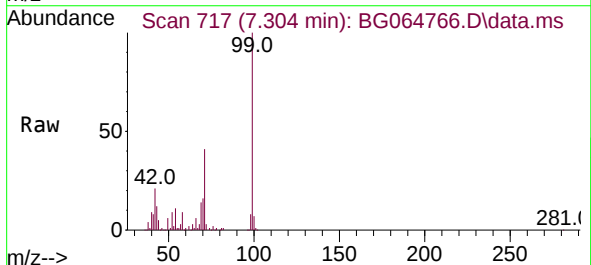
Instrument :
BNA_G
ClientSampleId :
COMP-3

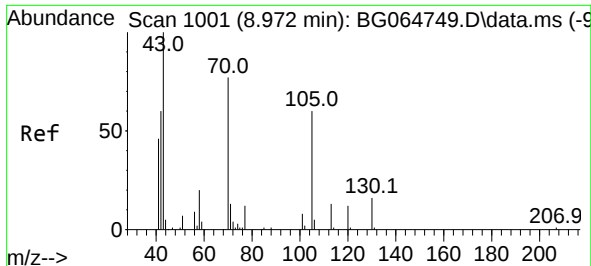
Tgt Ion:112 Resp: 196887
Ion Ratio Lower Upper
112 100
64 73.8 61.0 91.4
63 40.7 33.3 49.9



#7
Phenol-d6
Concen: 88.141 ng
RT: 7.304 min Scan# 717
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion: 99 Resp: 254076
Ion Ratio Lower Upper
99 100
42 21.3 16.8 25.2
71 40.6 31.1 46.7

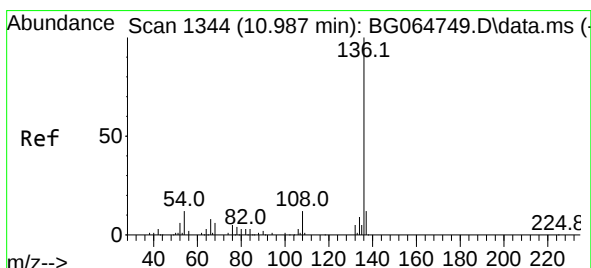
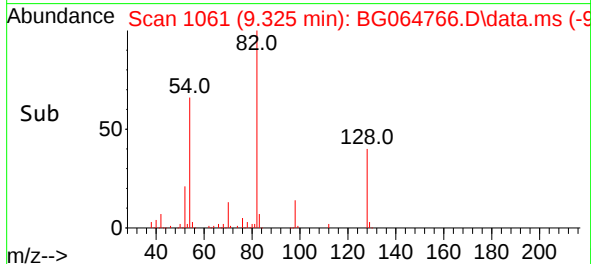
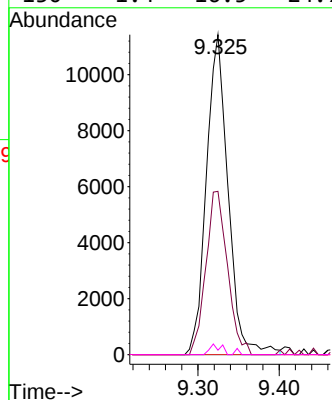
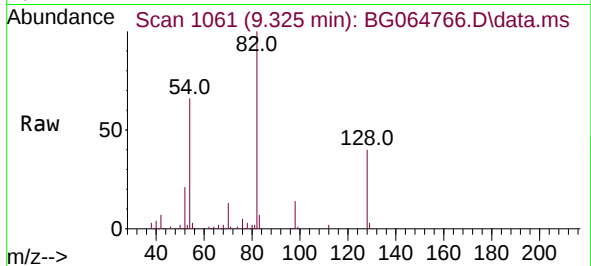




#19
n-Nitroso-di-n-propylamine
Concen: 10.886 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.352 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

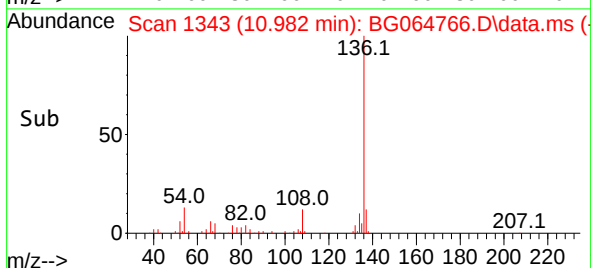
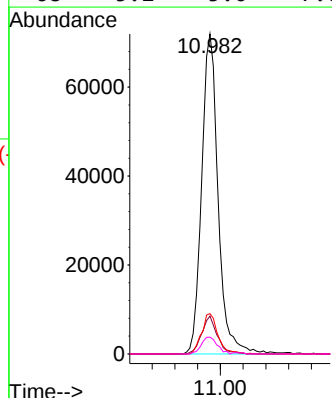
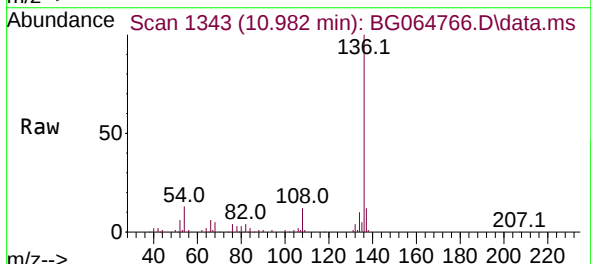
Instrument :
BNA_G
ClientSampleId :
COMP-3

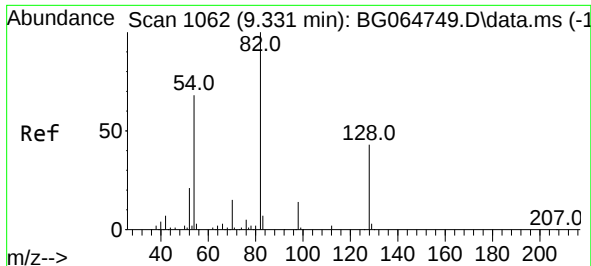
Tgt Ion:	70	Resp:	21218
Ion	Ratio	Lower	Upper
70	100		
42	51.0	62.6	93.8#
101	0.0	8.0	12.0#
130	1.4	16.5	24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.982 min Scan# 1343
Delta R.T. -0.005 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:	136	Resp:	144314
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.3	13.9
54	12.6	9.3	13.9
68	5.2	5.0	7.6





#23

Nitrobenzene-d5

Concen: 55.064 ng

RT: 9.325 min Scan# 1061

Delta R.T. -0.006 min

Lab File: BG064766.D

Acq: 13 Nov 2025 21:27

Instrument :

BNA_G

ClientSampleId :

COMP-3

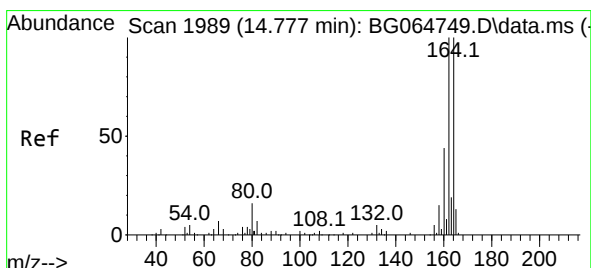
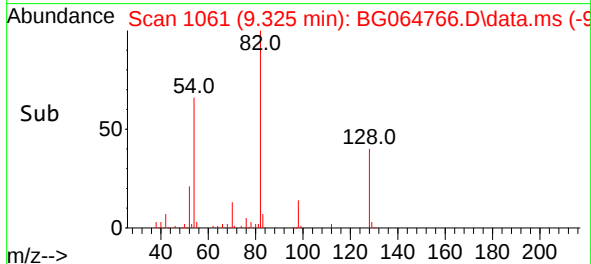
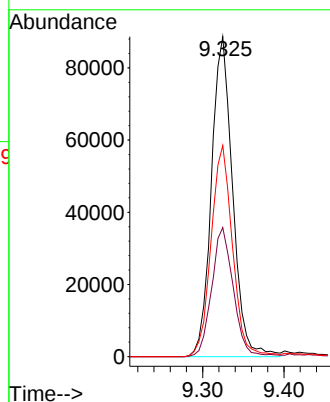
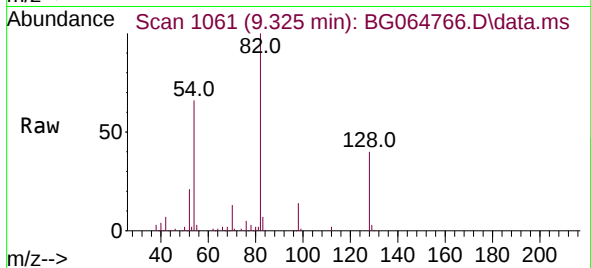
Tgt Ion: 82 Resp: 160721

Ion Ratio Lower Upper

82 100

128 40.3 34.1 51.1

54 66.0 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.771 min Scan# 1988

Delta R.T. -0.006 min

Lab File: BG064766.D

Acq: 13 Nov 2025 21:27

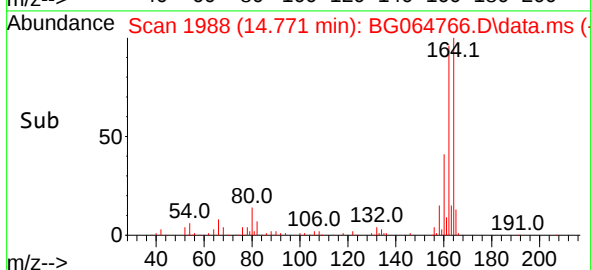
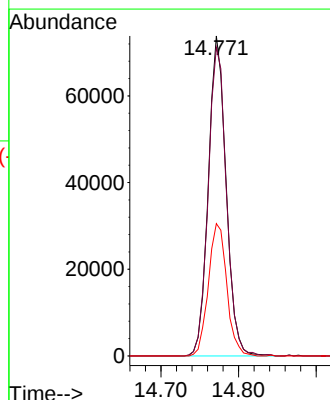
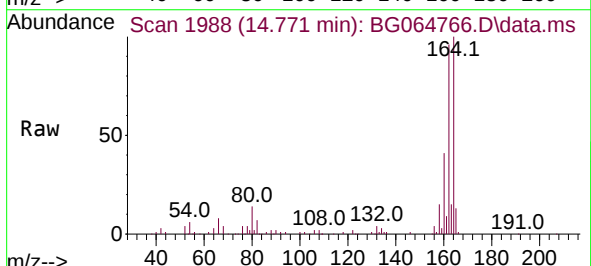
Tgt Ion:164 Resp: 117322

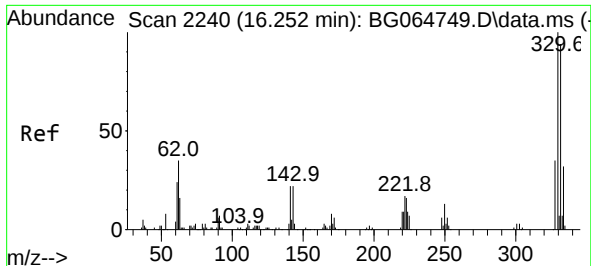
Ion Ratio Lower Upper

164 100

162 96.4 79.8 119.6

160 41.3 34.9 52.3

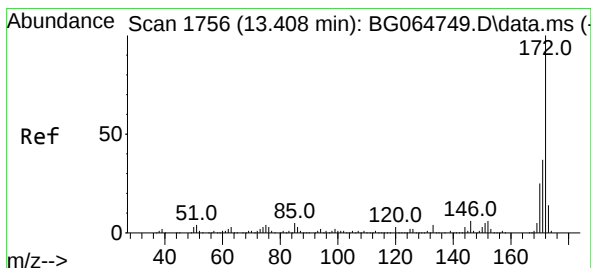
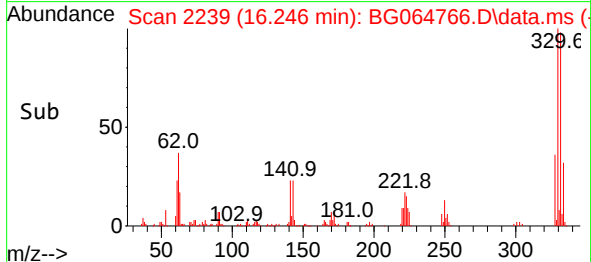
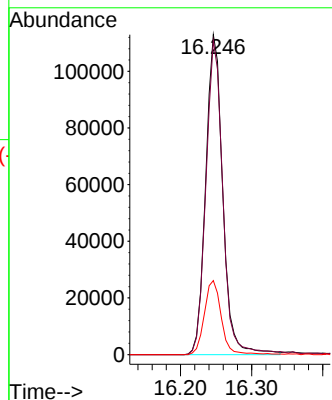
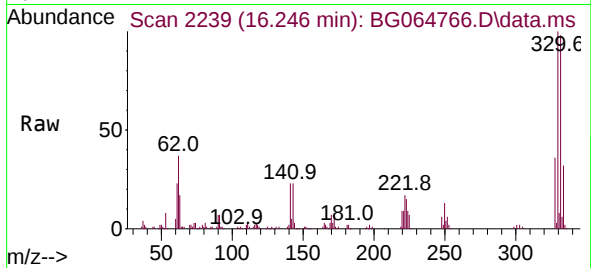




#42
2,4,6-Tribromophenol
Concen: 82.157 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

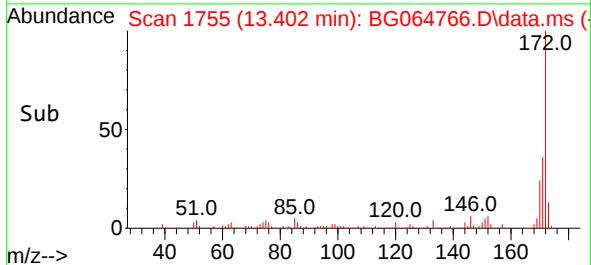
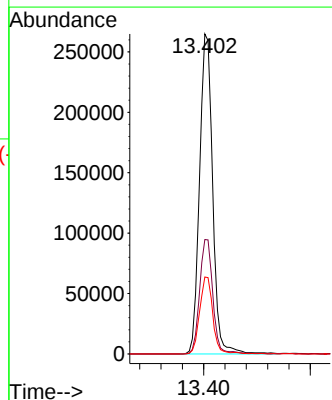
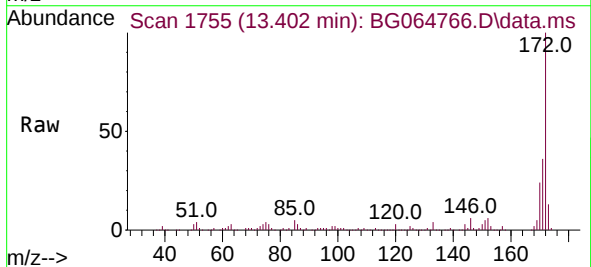
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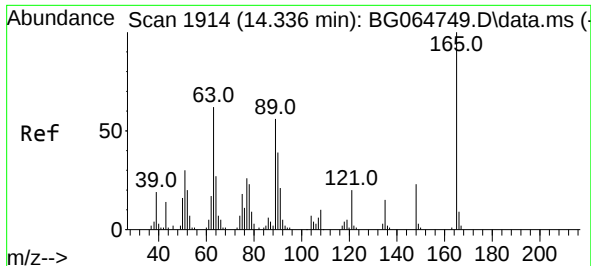
Tgt Ion:330 Resp: 187987
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 22.8 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 53.756 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:172 Resp: 451983
Ion Ratio Lower Upper
172 100
171 35.7 29.9 44.9
170 24.0 19.8 29.6

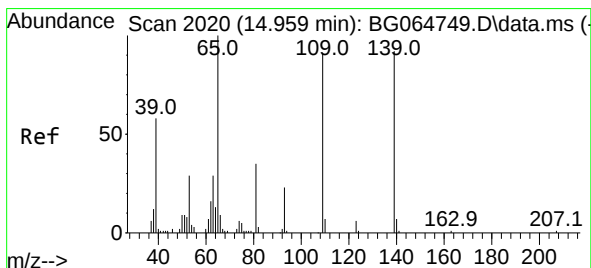
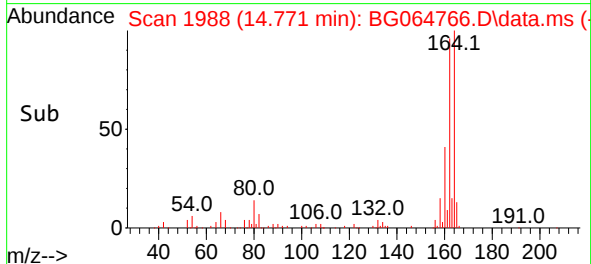
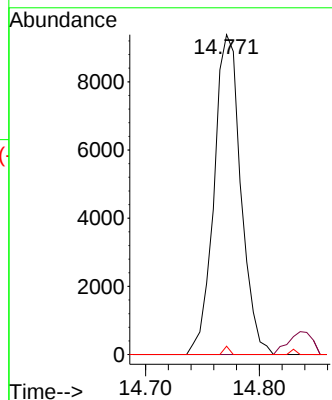
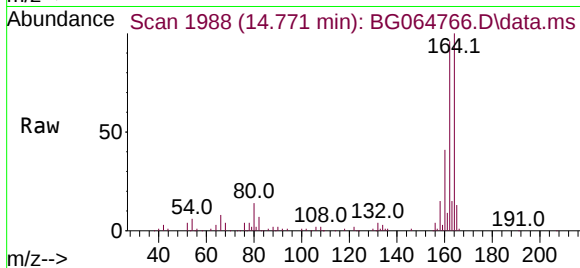




#51
2,6-Dinitrotoluene
Concen: 8.618 ng
RT: 14.771 min Scan# 1914
Delta R.T. 0.435 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

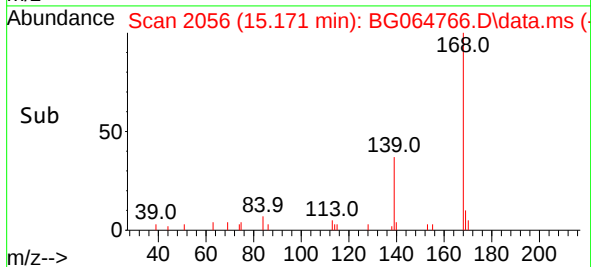
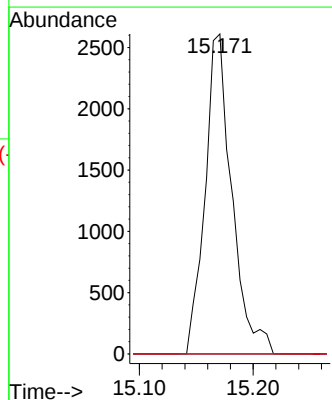
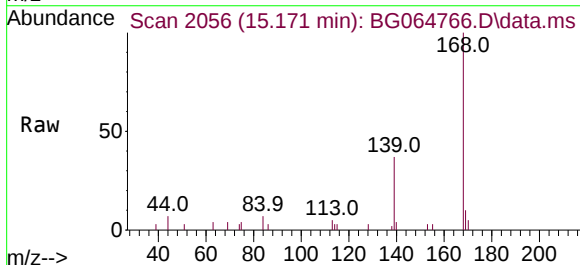
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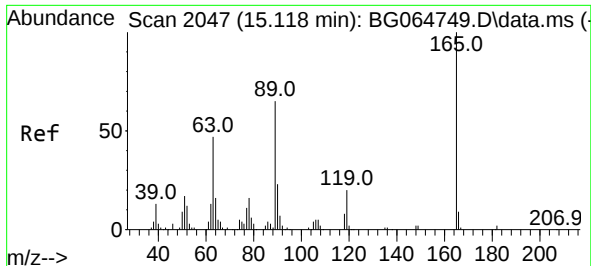
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	49.8	74.8#
89	2.6	45.0	67.4#



#56
4-Nitrophenol
Concen: 3.063 ng
RT: 15.171 min Scan# 2056
Delta R.T. 0.211 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	79.7	119.7#
65	0.0	89.9	129.9#

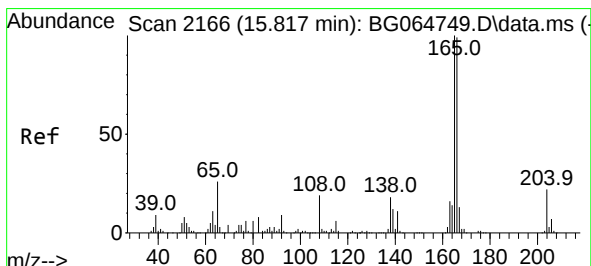
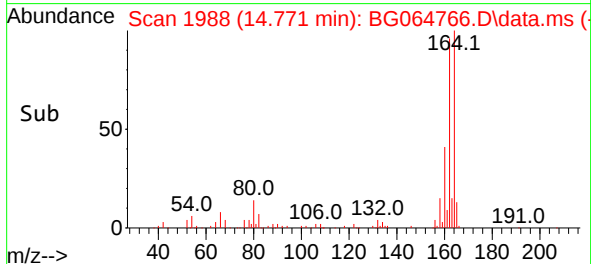
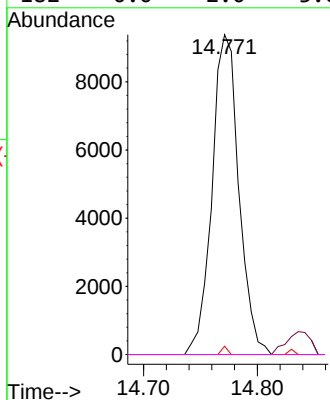
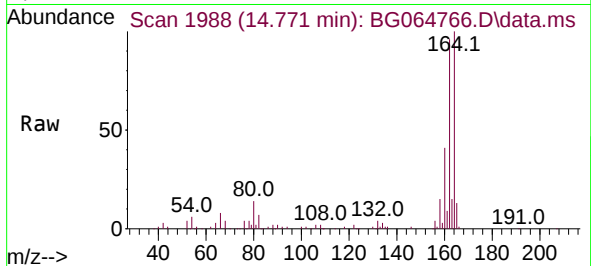




#57
2,4-Dinitrotoluene
Concen: 5.749 ng
RT: 14.771 min Scan# 1988
Delta R.T. -0.347 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

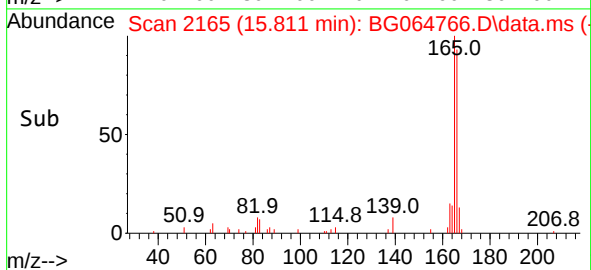
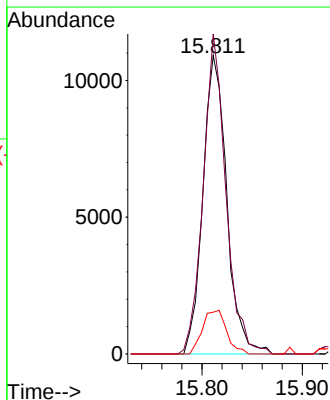
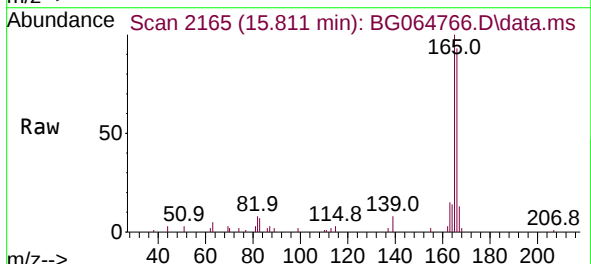
Instrument :
BNA_G
ClientSampleId :
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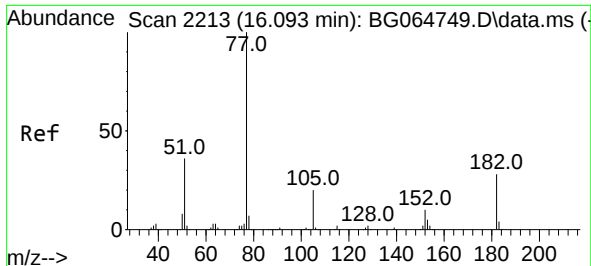
Tgt Ion:165 Resp: 15369
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 2.6 51.6 77.4#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.040 ng
RT: 15.811 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:166 Resp: 17989
Ion Ratio Lower Upper
166 100
165 107.2 80.5 120.7
167 14.0 10.3 15.5

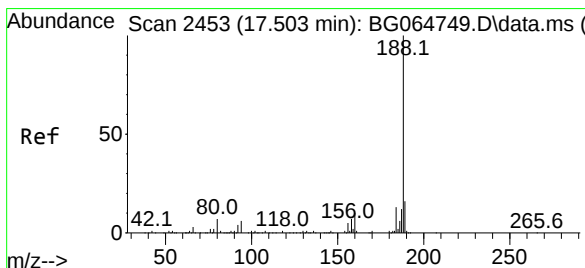
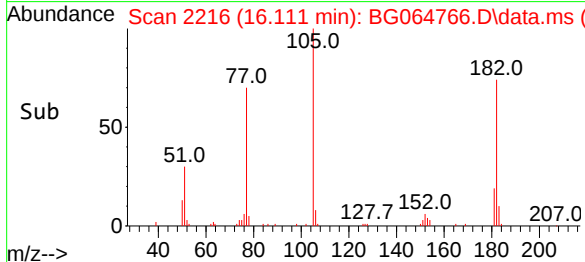
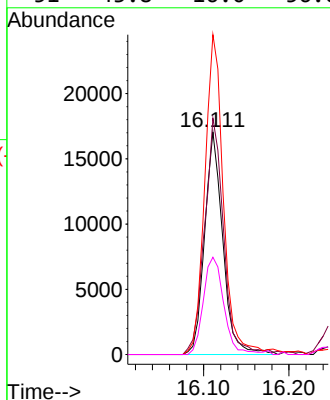
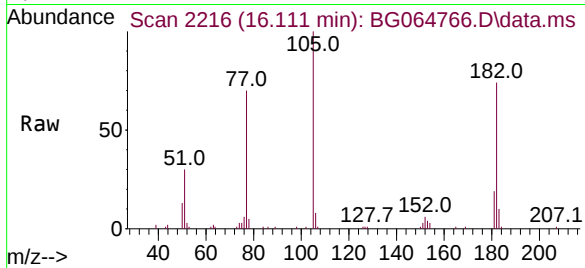




#63
Azobenzene
Concen: 3.432 ng
RT: 16.111 min Scan# 21
Delta R.T. 0.018 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

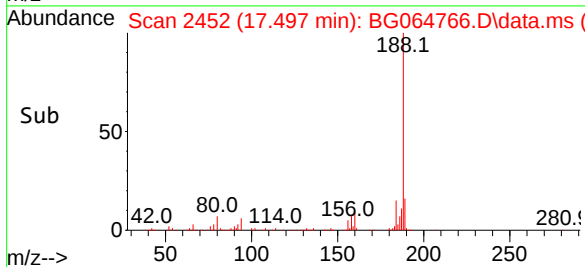
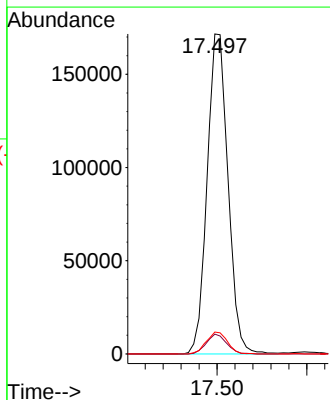
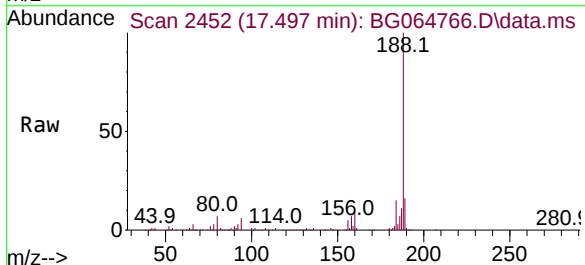
Instrument :
BNA_G
ClientSampleId :
COMP-3

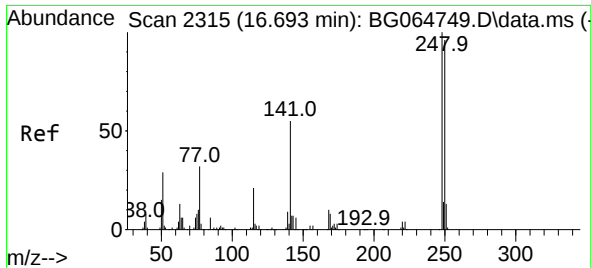
Tgt Ion: 77	Resp: 25342
Ion Ratio	Lower Upper
77 100	
182 106.2	8.1 48.1#
105 143.8	0.1 40.1#
51 43.8	16.0 56.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion: 188	Resp: 277033
Ion Ratio	Lower Upper
188 100	
94 6.2	4.7 7.1
80 6.8	5.4 8.2

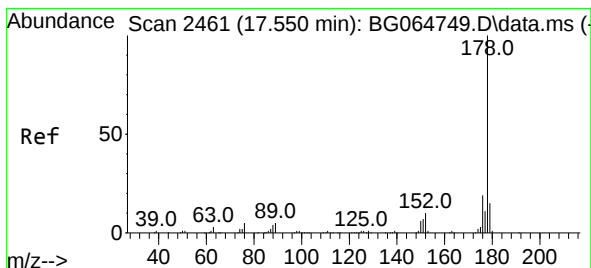
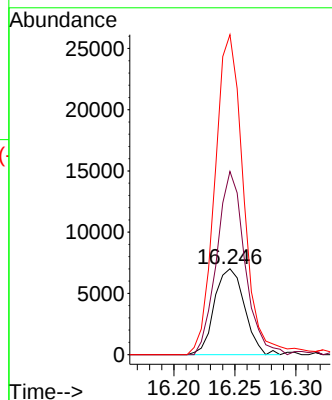
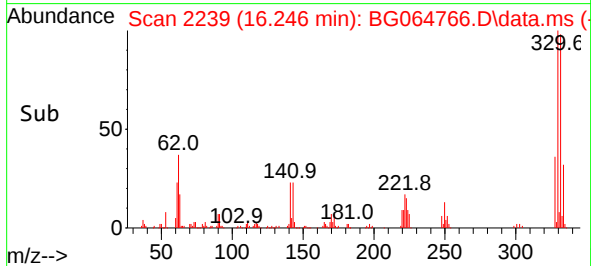
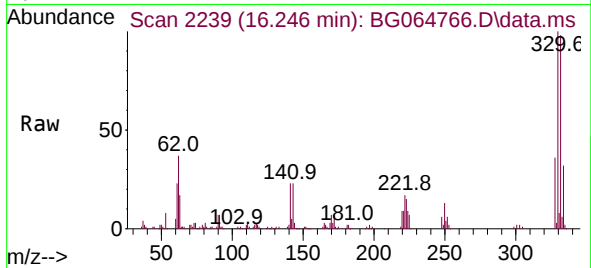




#67
4-Bromophenyl-phenylether
Concen: 3.304 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

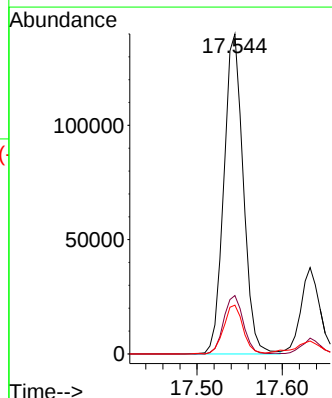
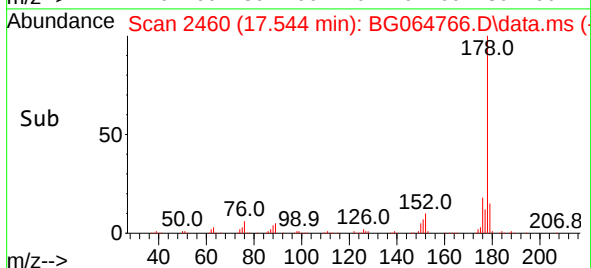
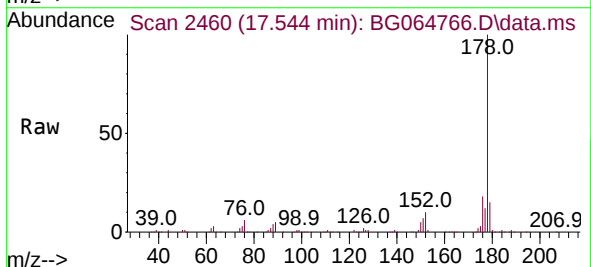
Instrument :
BNA_G
ClientSampleId :
COMP-3

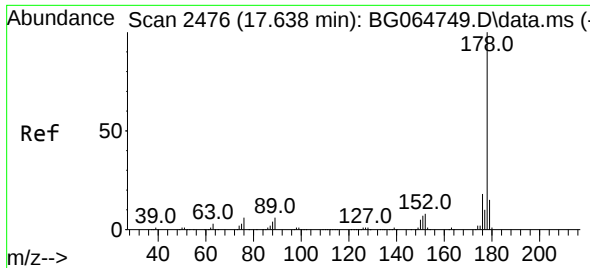
Tgt Ion:248 Resp: 12019
Ion Ratio Lower Upper
248 100
250 270.0 77.0 115.6#
141 372.9 43.7 65.5#



#71
Phenanthrene
Concen: 14.580 ng
RT: 17.544 min Scan# 2460
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:178 Resp: 220996
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 15.2 12.2 18.4

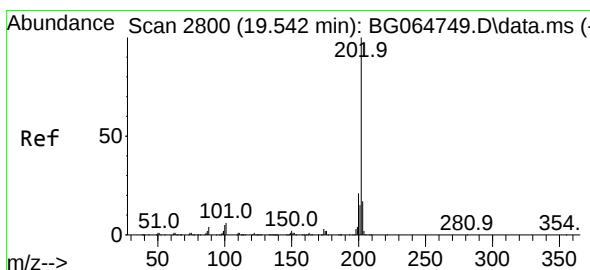
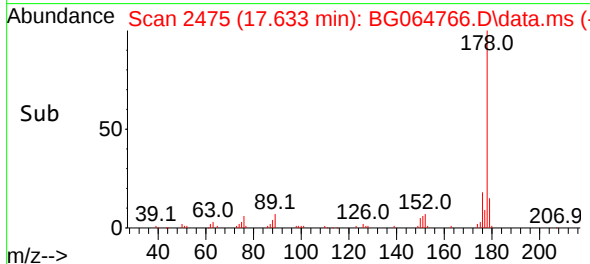
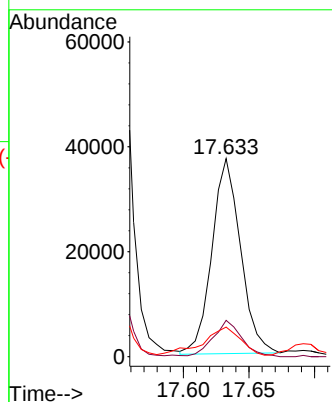
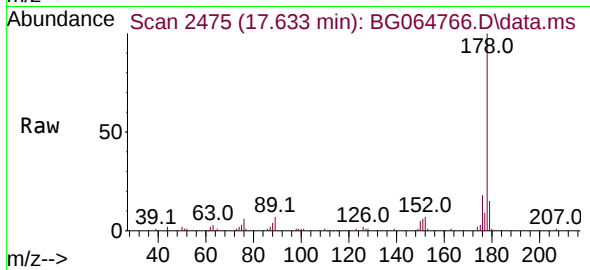




#72
 Anthracene
 Concen: 3.653 ng
 RT: 17.633 min Scan# 2476
 Delta R.T. -0.006 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

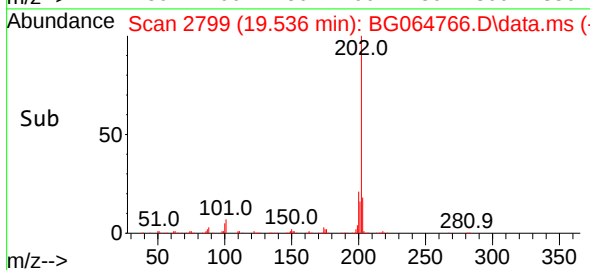
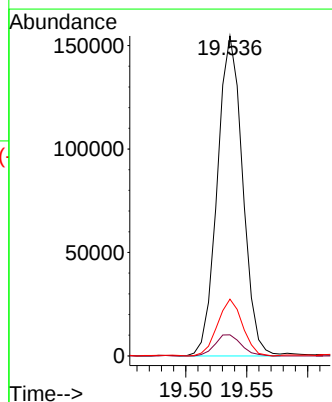
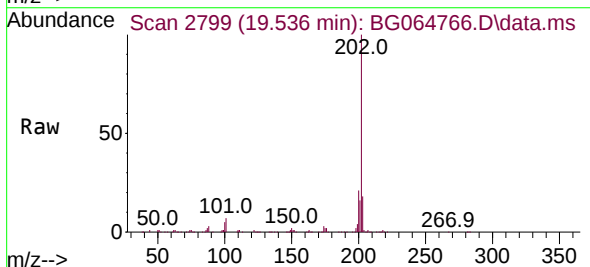
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

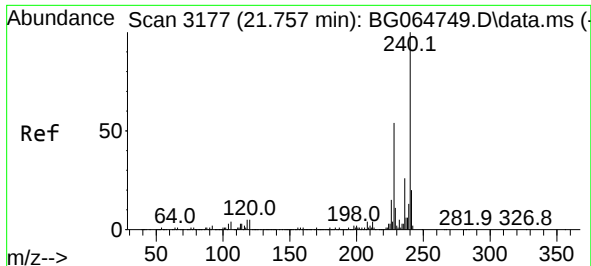
Tgt Ion:178 Resp: 56463
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.5 21.7
 179 14.9 12.2 18.4



#75
 Fluoranthene
 Concen: 10.795 ng
 RT: 19.536 min Scan# 2799
 Delta R.T. -0.006 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

Tgt Ion:202 Resp: 223744
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 26.4
 203 17.7 0.0 37.5

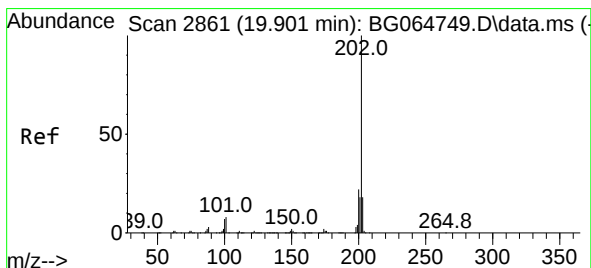
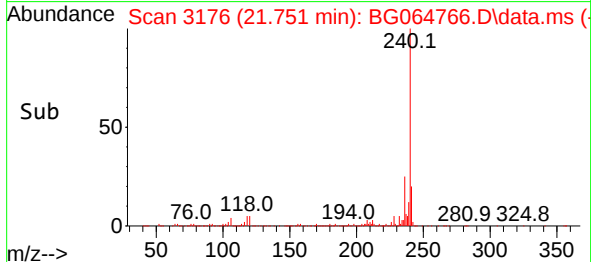
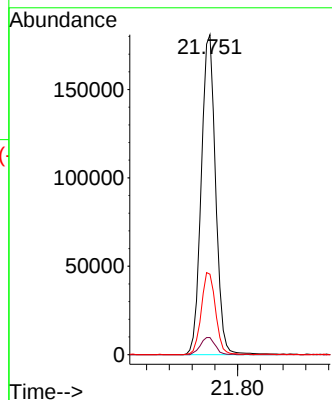
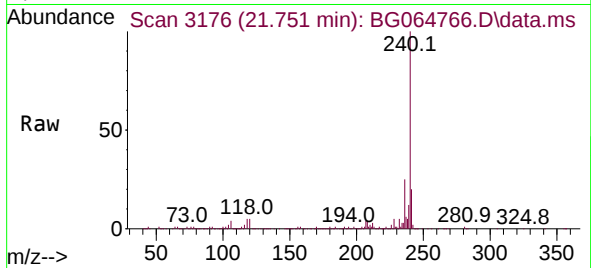




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

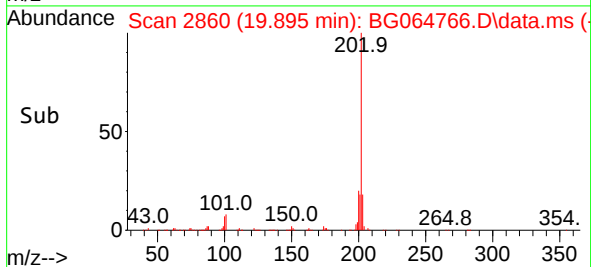
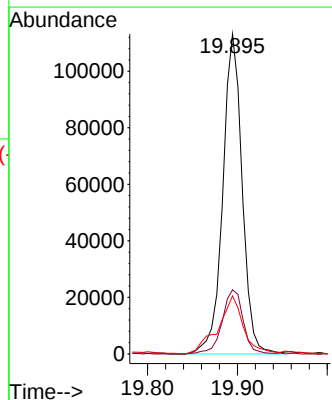
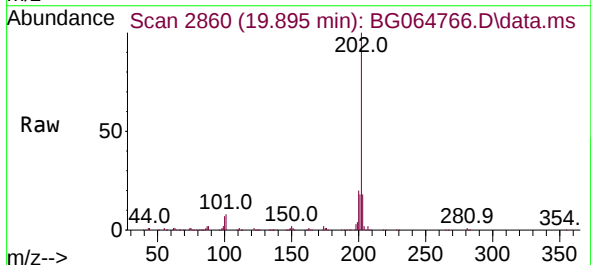
Instrument :
BNA_G
ClientSampleId :
COMP-3

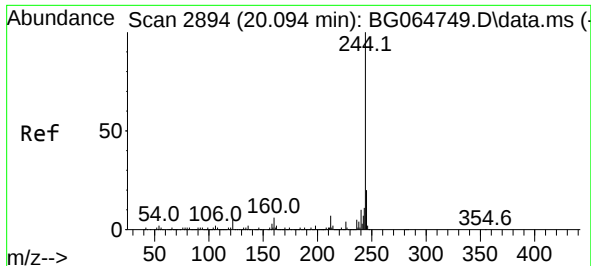
Tgt Ion:240 Resp: 316134
Ion Ratio Lower Upper
240 100
120 5.3 4.2 6.4
236 25.2 20.8 31.2



#78
Pyrene
Concen: 9.598 ng
RT: 19.895 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:202 Resp: 170056
Ion Ratio Lower Upper
202 100
200 20.0 17.9 26.9
203 18.1 14.0 21.0

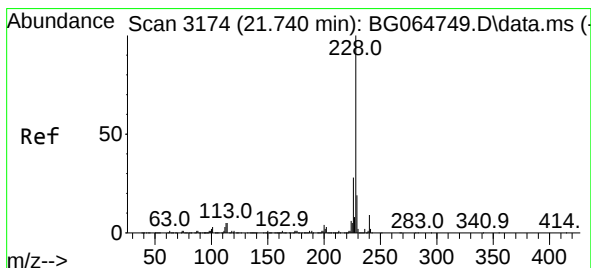
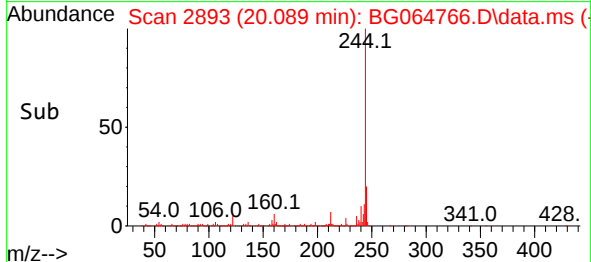
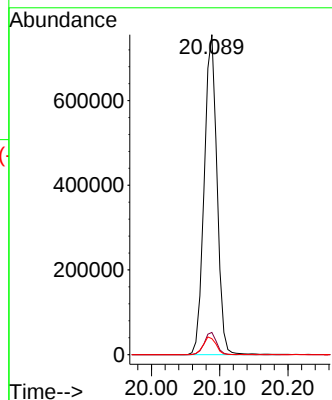
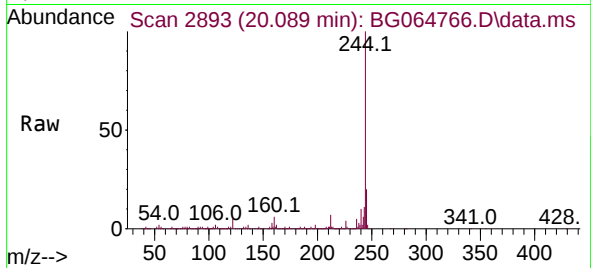




#79
Terphenyl-d14
Concen: 61.107 ng
RT: 20.089 min Scan# 2893
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

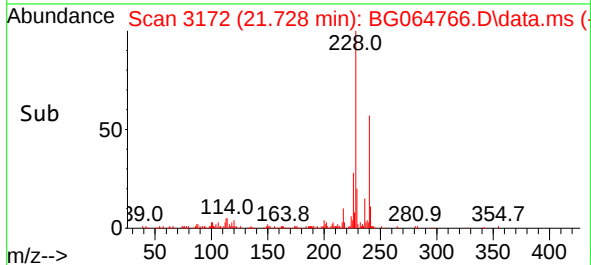
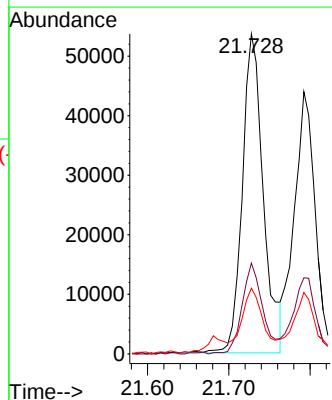
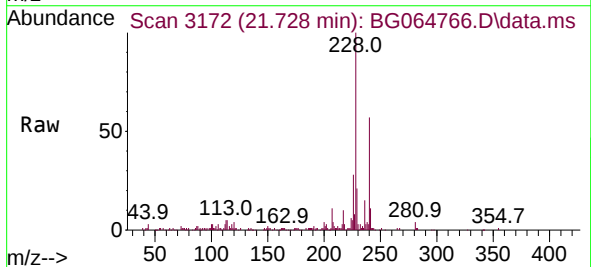
Instrument :
BNA_G
ClientSampleId :
COMP-3

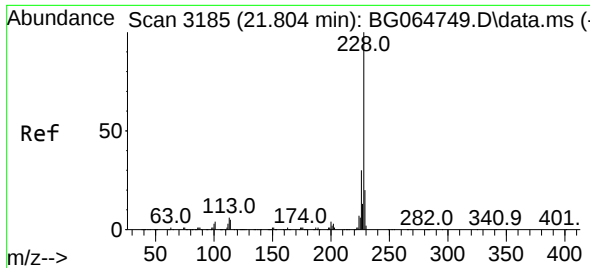
Tgt Ion:244 Resp: 982055
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 5.0 4.3 6.5



#81
Benzo(a)anthracene
Concen: 4.473 ng
RT: 21.728 min Scan# 3172
Delta R.T. -0.012 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:228 Resp: 96150
Ion Ratio Lower Upper
228 100
226 28.4 22.1 33.1
229 20.5 15.5 23.3

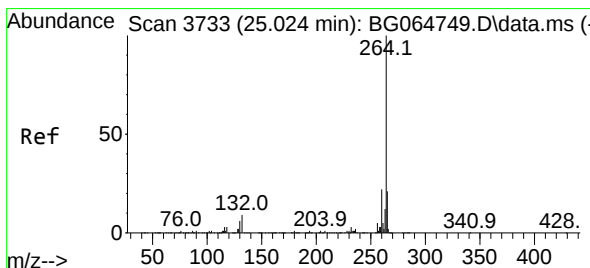
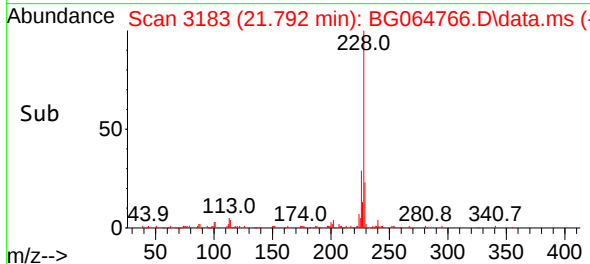
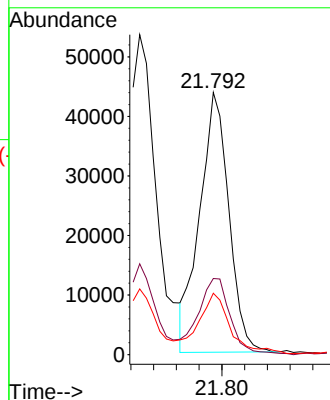
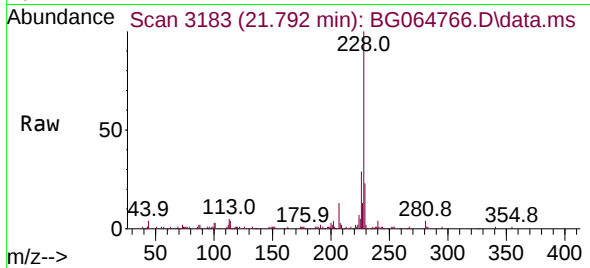




#83
Chrysene
Concen: 3.838 ng
RT: 21.792 min Scan# 3183
Delta R.T. -0.012 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

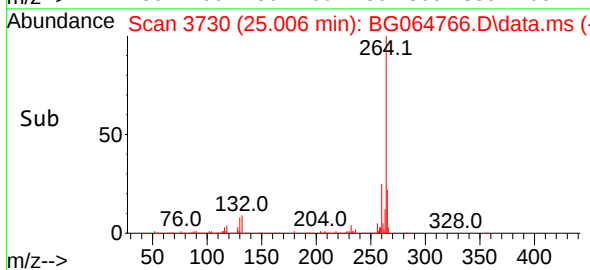
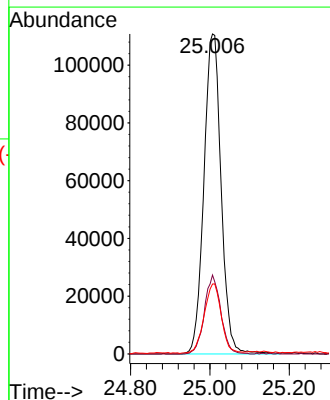
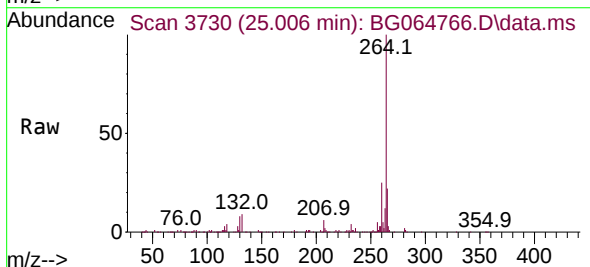
Instrument :
BNA_G
ClientSampleId :
COMP-3

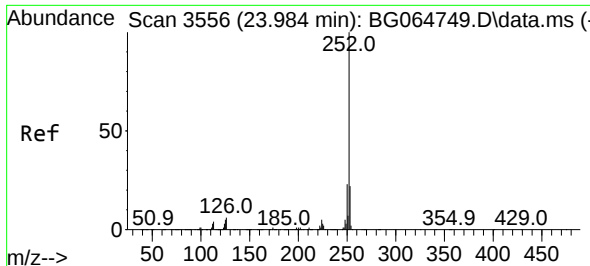
Tgt Ion:228 Resp: 77786
Ion Ratio Lower Upper
228 100
226 29.0 24.2 36.2
229 23.4 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.006 min Scan# 3730
Delta R.T. -0.018 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:264 Resp: 333844
Ion Ratio Lower Upper
264 100
260 24.6 17.2 25.8
265 21.8 16.6 25.0

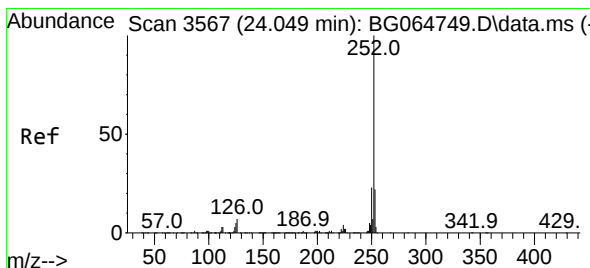
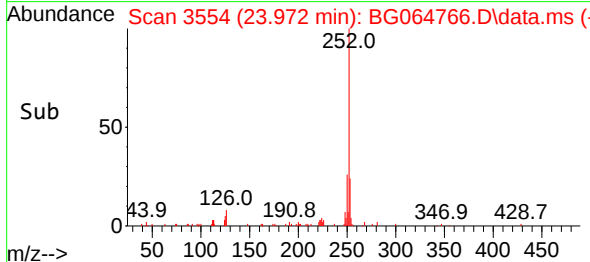
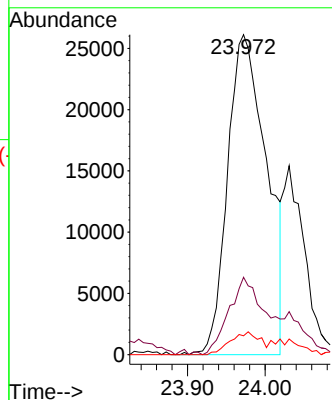
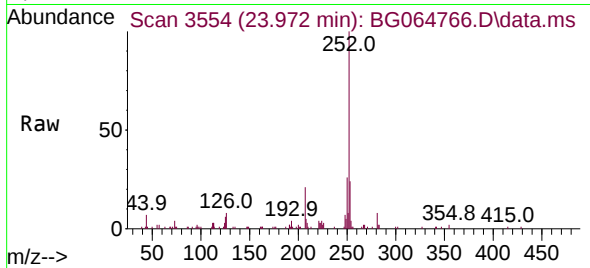




#88
Benzo(b)fluoranthene
Concen: 4.302 ng
RT: 23.972 min Scan# 3554
Delta R.T. -0.012 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

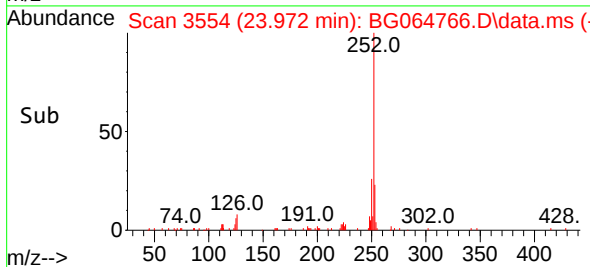
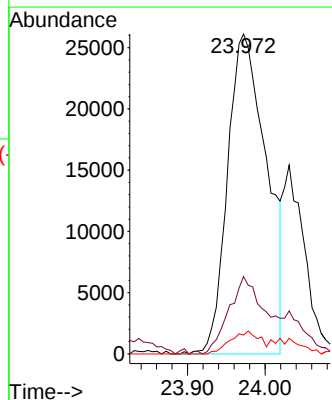
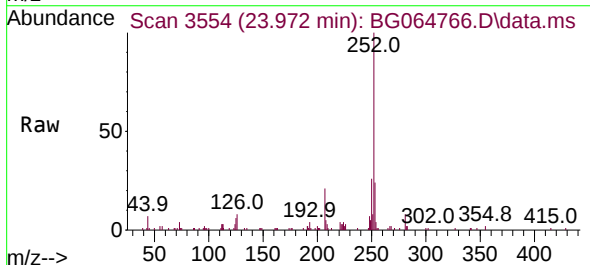
Instrument :
BNA_G
ClientSampleId :
COMP-3

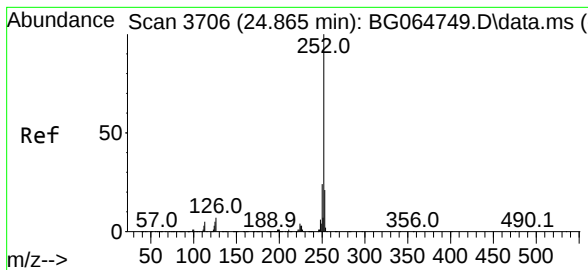
Tgt Ion:252 Resp: 91404
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 5.9 4.2 6.2



#89
Benzo(k)fluoranthene
Concen: 4.282 ng
RT: 23.972 min Scan# 3554
Delta R.T. -0.076 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:252 Resp: 91404
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 5.9 4.1 6.1





#90

Benzo(a)pyrene

Concen: 3.047 ng

RT: 24.848 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG064766.D

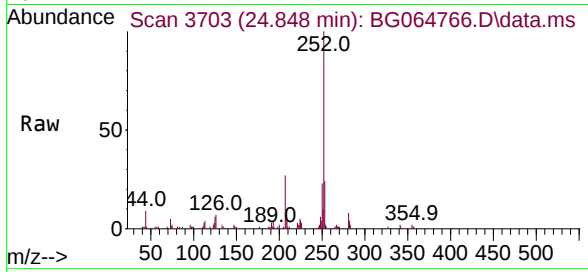
Acq: 13 Nov 2025 21:27

Instrument :

BNA_G

ClientSampleId :

COMP-3



Tgt Ion:252 Resp: 60047

Ion Ratio Lower Upper

252 100

253 23.7 16.9 25.3

125 6.4 4.2 6.4#

