

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
 Data File : BG064780.D
 Acq On : 14 Nov 2025 15:19
 Operator : RC/JU
 Sample : Q3628-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 14 16:01:29 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)

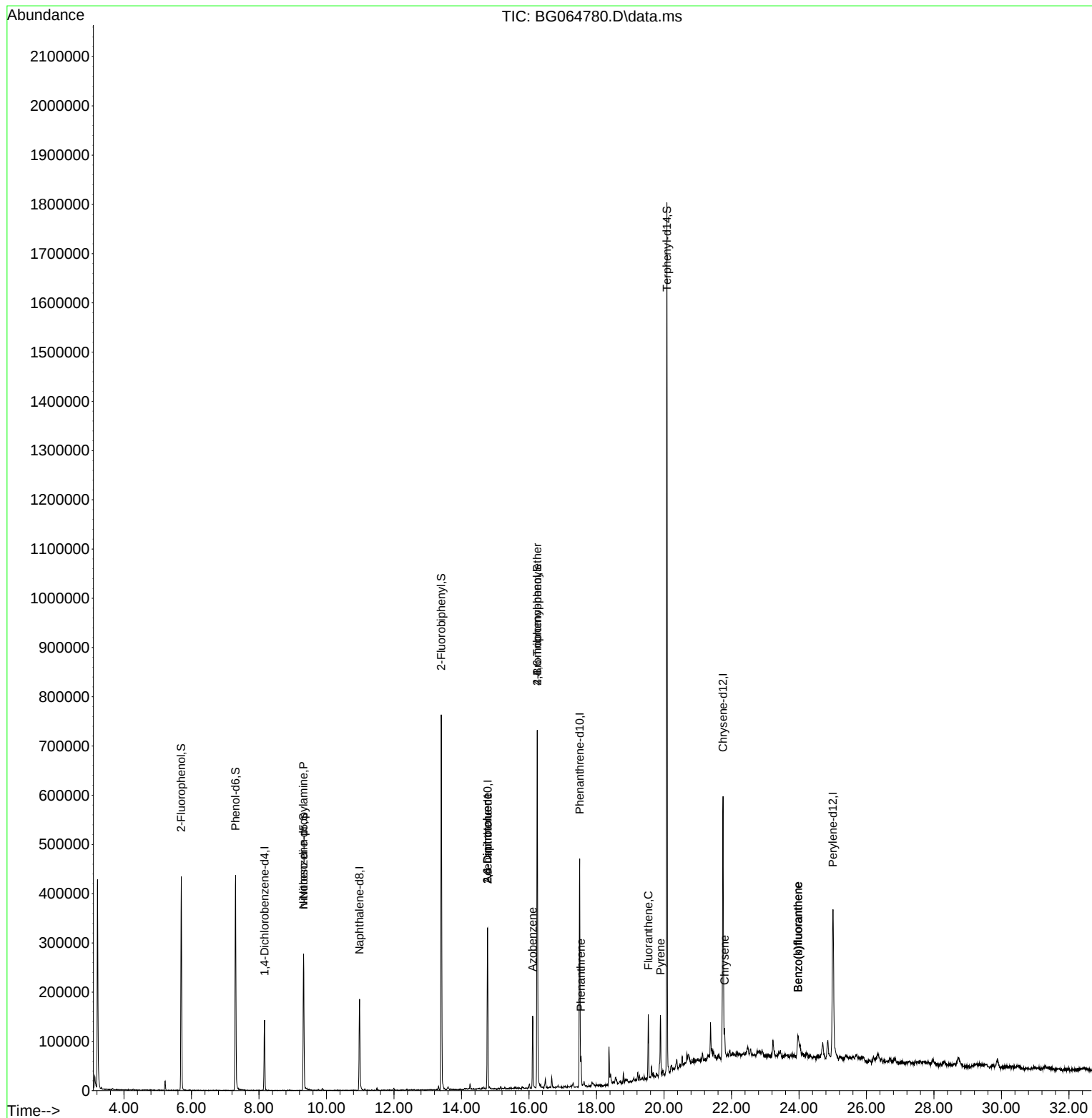
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.166	152	42490	20.000	ng	# 0.00
21) Naphthalene-d8	10.980	136	163064	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	131462	20.000	ng	0.00
64) Phenanthrene-d10	17.502	188	311251	20.000	ng	0.00
76) Chrysene-d12	21.750	240	357537	20.000	ng	0.00
86) Perylene-d12	25.005	264	377607	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	178170	73.223	ng	0.00
7) Phenol-d6	7.308	99	252954	78.161	ng	0.00
23) Nitrobenzene-d5	9.323	82	165290	50.118	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	181197	70.672	ng	0.00
45) 2-Fluorobiphenyl	13.401	172	438941	46.589	ng	0.00
79) Terphenyl-d14	20.087	244	920501	50.644	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.323	70	22470	10.269	ng	# 73
51) 2,6-Dinitrotoluene	14.770	165	16385	8.200	ng	# 23
57) 2,4-Dinitrotoluene	14.770	165	16385	5.469	ng	# 26
63) Azobenzene	16.109	77	43695	5.281	ng	# 1
67) 4-Bromophenyl-phenylether	16.245	248	11597	2.837	ng	# 1
71) Phenanthrene	17.543	178	38284	2.248	ng	96
75) Fluoranthene	19.535	202	88233	3.789	ng	98
78) Pyrene	19.899	202	84446	4.214	ng	95
83) Chrysene	21.797	228	45900	2.003	ng	94
88) Benzo(b)fluoranthene	23.971	252	58453	2.432	ng	# 93
89) Benzo(k)fluoranthene	23.971	252	58453	2.421	ng	# 94

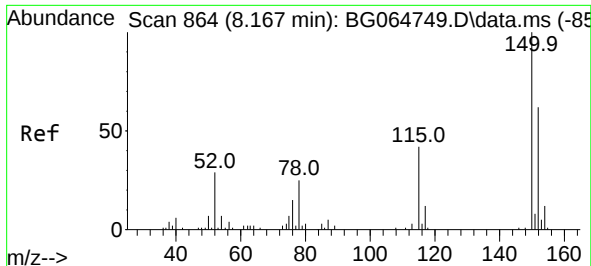
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064780.D
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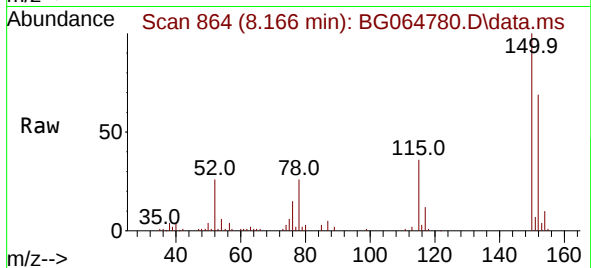
Quant Time: Nov 14 16:01:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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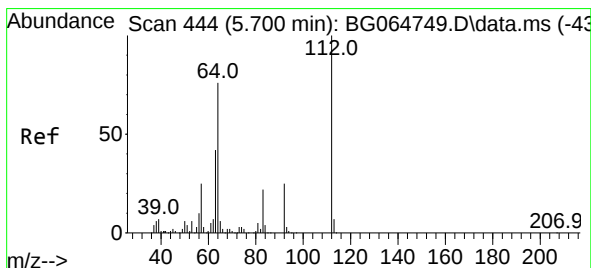
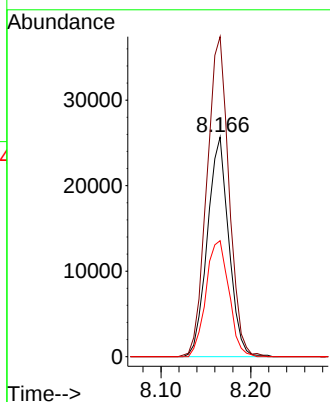
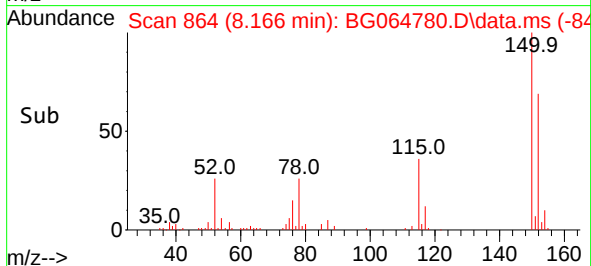


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.166 min Scan# 80
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

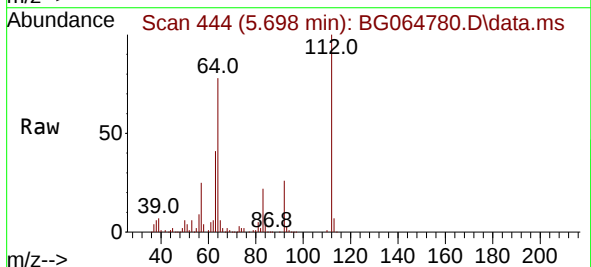
Instrument :
BNA_G
ClientSampleId :



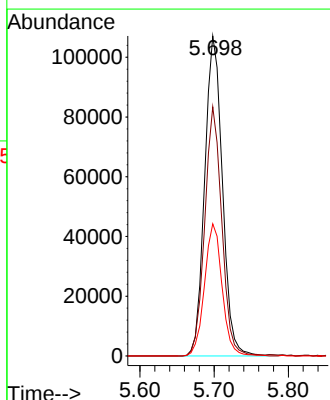
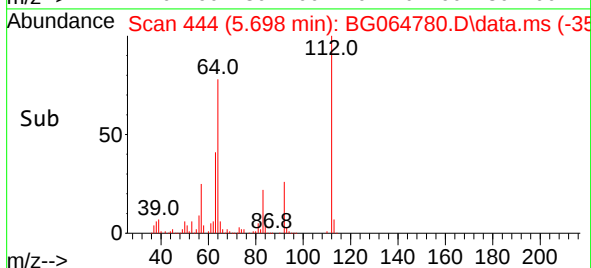
Tgt Ion:152 Resp: 42490
Ion Ratio Lower Upper
152 100
150 145.7 129.2 193.8
115 52.8 53.7 80.5#

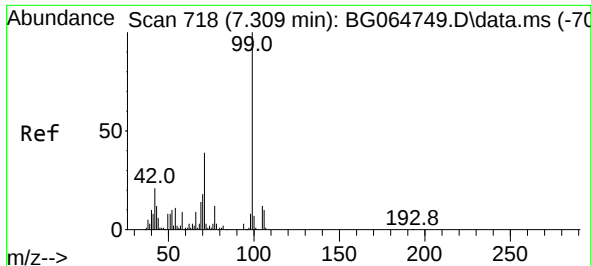


#5
2-Fluorophenol
Concen: 73.223 ng
RT: 5.698 min Scan# 444
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19



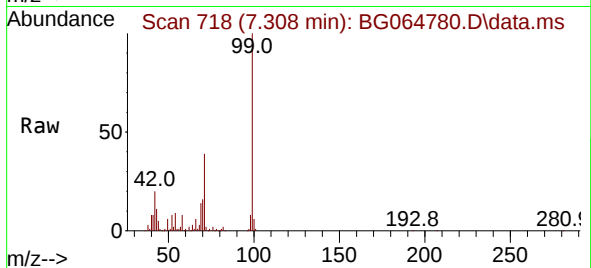
Tgt Ion:112 Resp: 178170
Ion Ratio Lower Upper
112 100
64 77.8 61.0 91.4
63 41.3 33.3 49.9



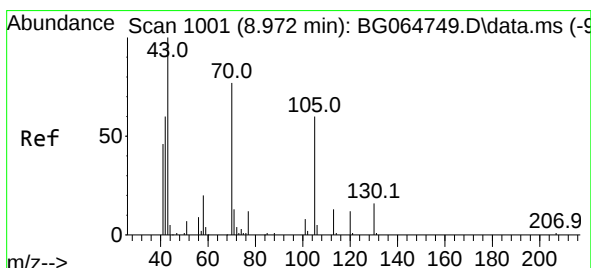
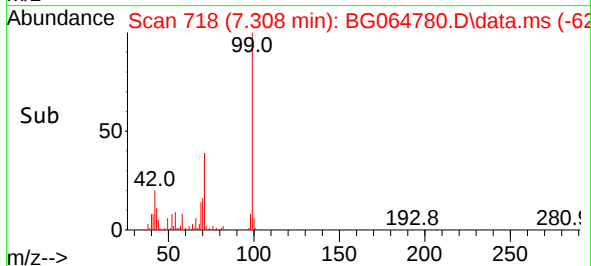
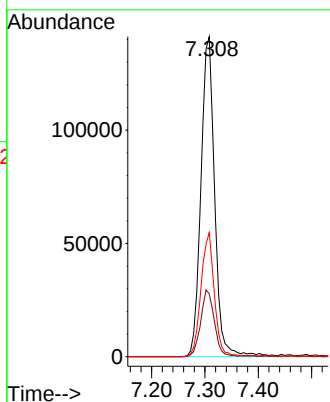


#7
Phenol-d6
Concen: 78.161 ng
RT: 7.308 min Scan# 718
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Instrument :
BNA_G
ClientSampleId :

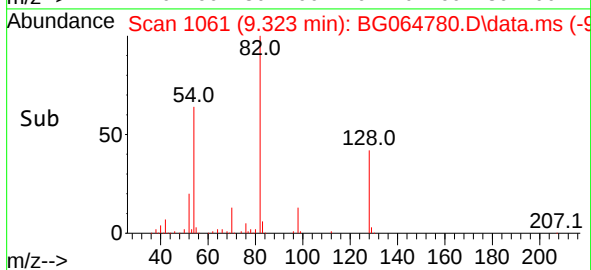
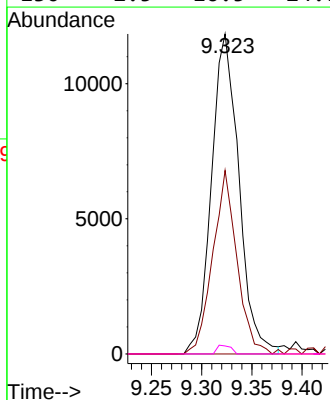
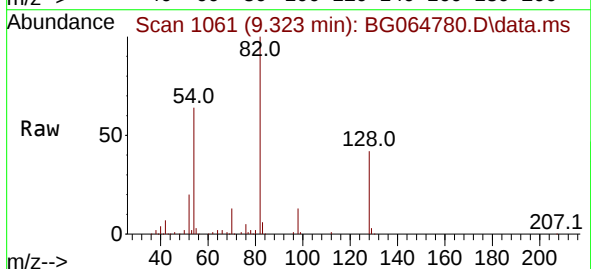


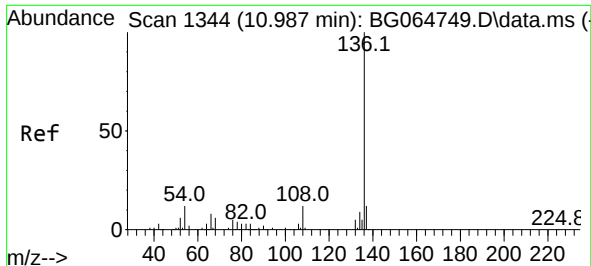
Tgt Ion: 99 Resp: 252954
Ion Ratio Lower Upper
99 100
42 19.6 16.8 25.2
71 38.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.269 ng
RT: 9.323 min Scan# 1061
Delta R.T. 0.351 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

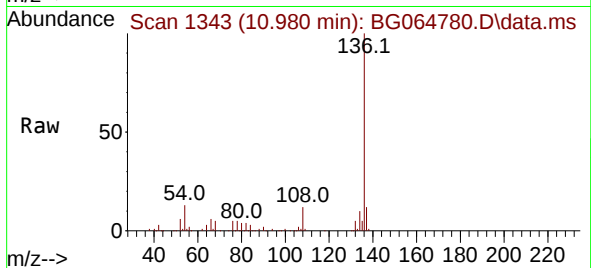
Tgt Ion: 70 Resp: 22470
Ion Ratio Lower Upper
70 100
42 57.4 62.6 93.8#
101 0.0 8.0 12.0#
130 2.5 16.5 24.7#



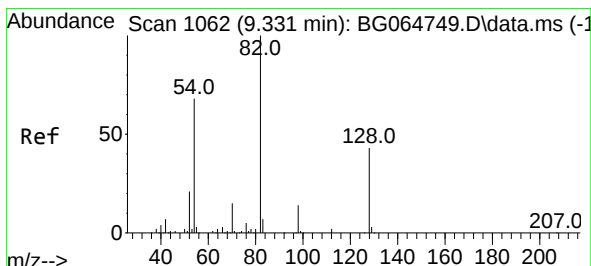
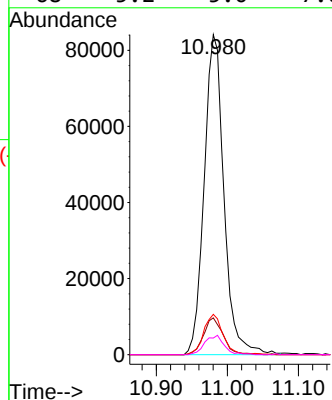
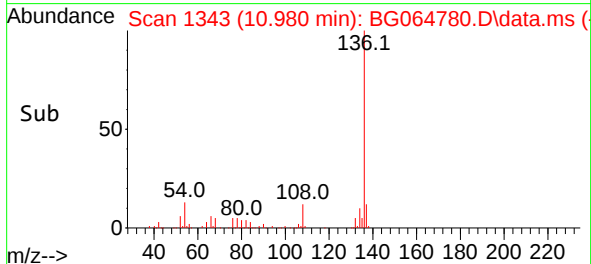


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.980 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

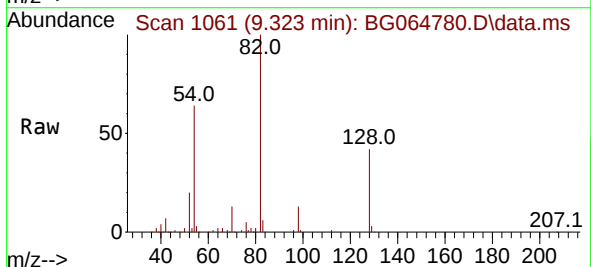
Instrument :
BNA_G
ClientSampleId :



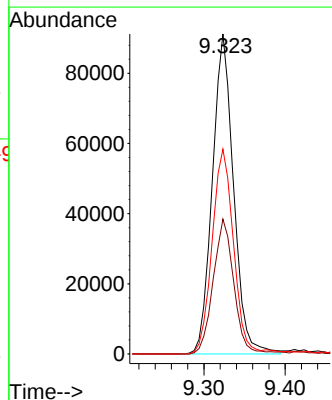
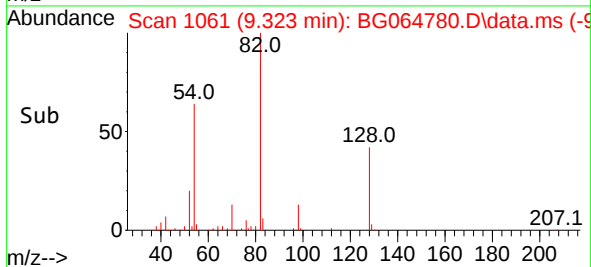
Tgt Ion:	136	Resp:	163064
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	12.6	9.3	13.9
68	5.2	5.0	7.6

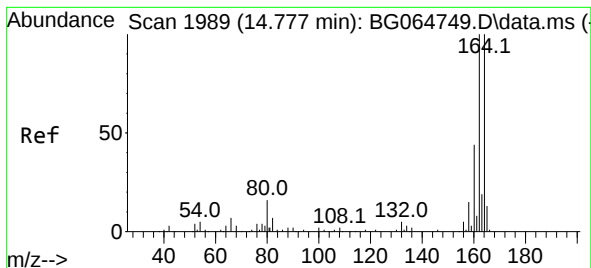


#23
Nitrobenzene-d5
Concen: 50.118 ng
RT: 9.323 min Scan# 1061
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19



Tgt Ion:	82	Resp:	165290
Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.1	51.1
54	64.0	54.3	81.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.776 min Scan# 1989

Delta R.T. -0.001 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

Instrument :

BNA_G

ClientSampleId :

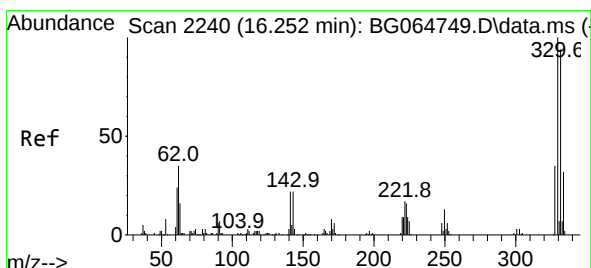
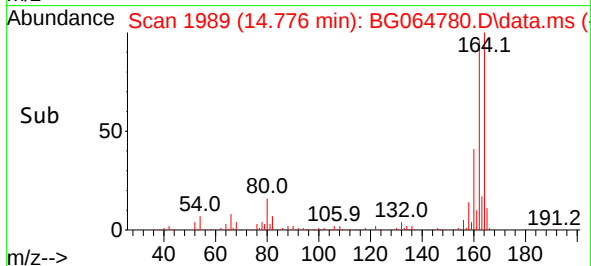
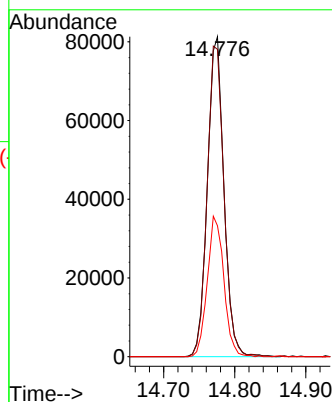
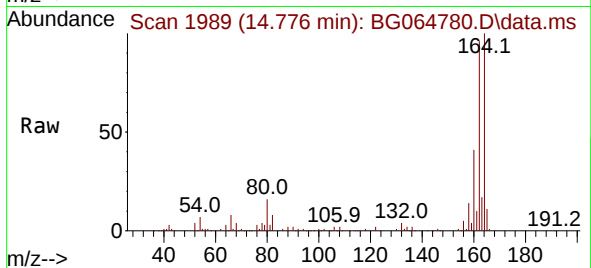
Tgt Ion:164 Resp: 131462

Ion Ratio Lower Upper

164 100

162 96.1 79.8 119.6

160 40.9 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 70.672 ng

RT: 16.245 min Scan# 2239

Delta R.T. -0.007 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

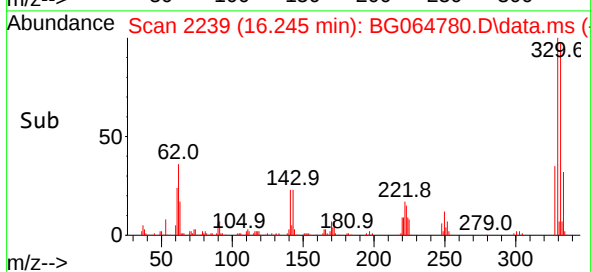
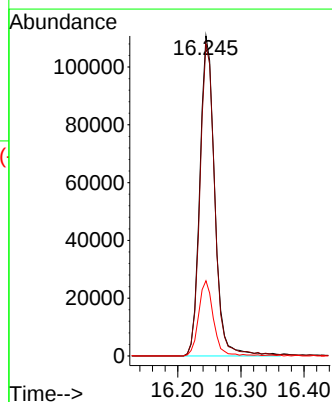
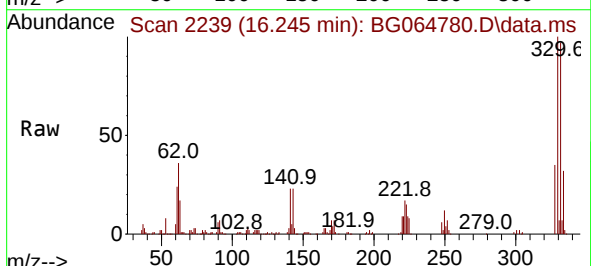
Tgt Ion:330 Resp: 181197

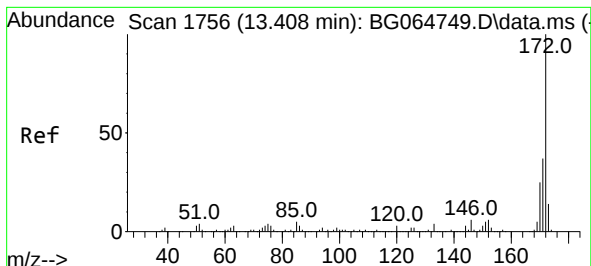
Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

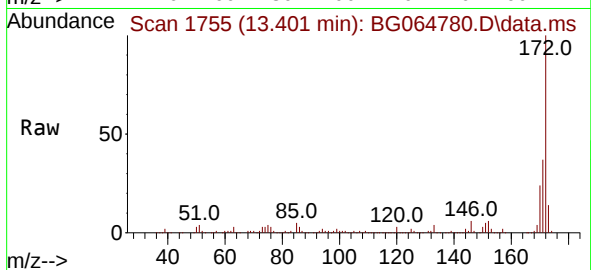
141 23.5 18.2 27.2



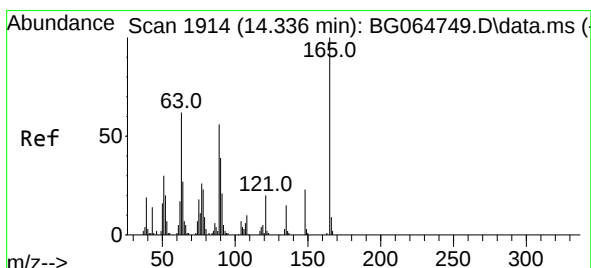
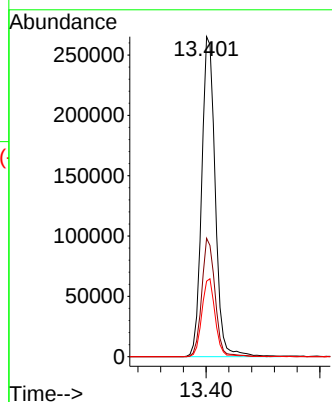
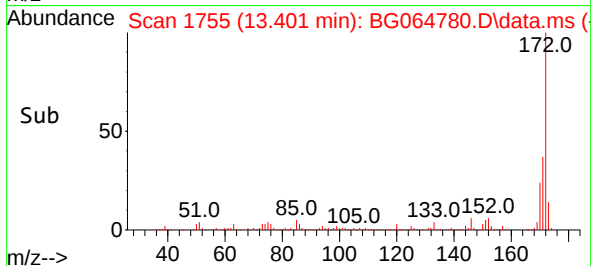


#45
2-Fluorobiphenyl
Concen: 46.589 ng
RT: 13.401 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Instrument :
BNA_G
ClientSampleId :

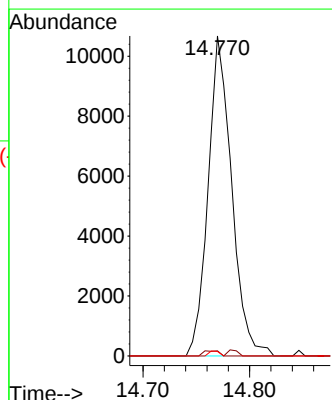
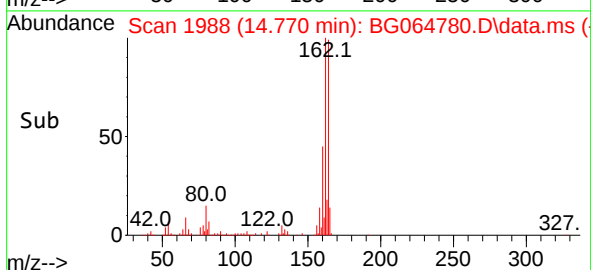
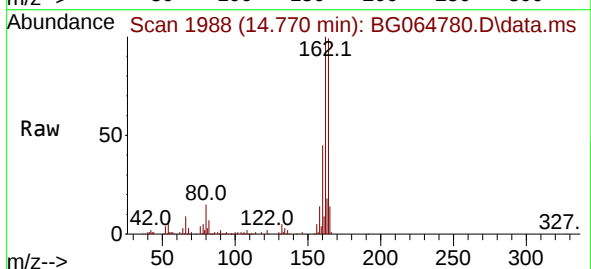


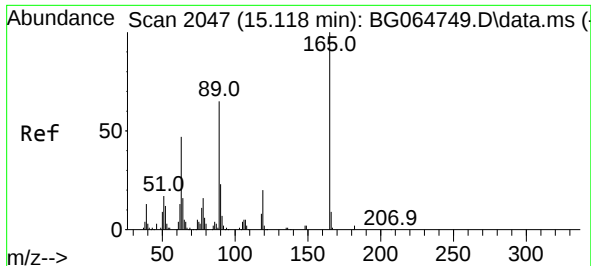
Tgt Ion:172 Resp: 438941
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 23.6 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.200 ng
RT: 14.770 min Scan# 1988
Delta R.T. 0.433 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

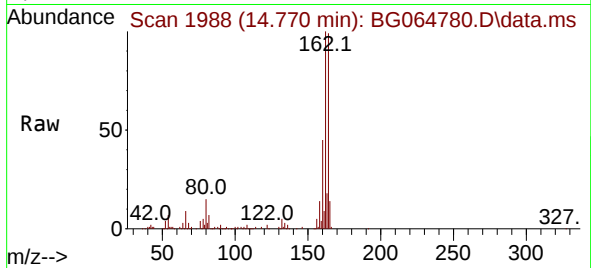
Tgt Ion:165 Resp: 16385
Ion Ratio Lower Upper
165 100
63 1.6 49.8 74.8#
89 1.4 45.0 67.4#



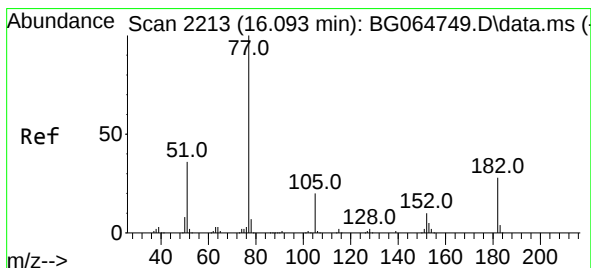
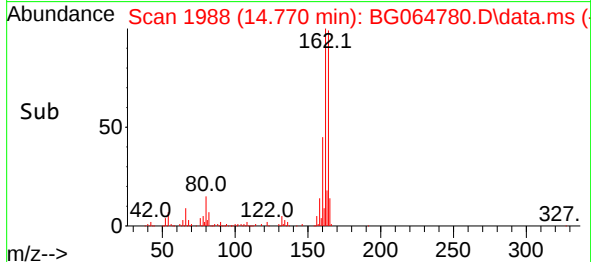
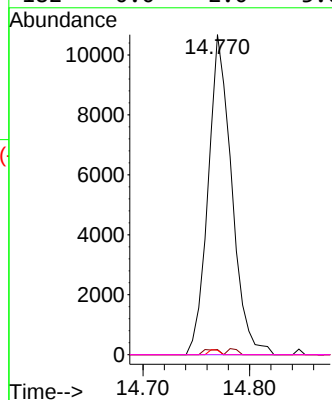


#57
 2,4-Dinitrotoluene
 Concen: 5.469 ng
 RT: 14.770 min Scan# 1988
 Delta R.T. -0.348 min
 Lab File: BG064780.D
 Acq: 14 Nov 2025 15:19

Instrument :
 BNA_G
 ClientSampleId :

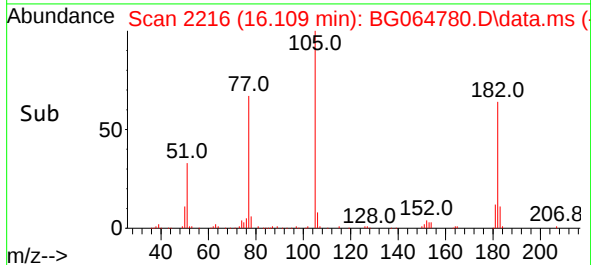
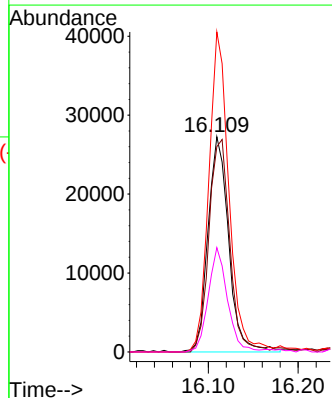
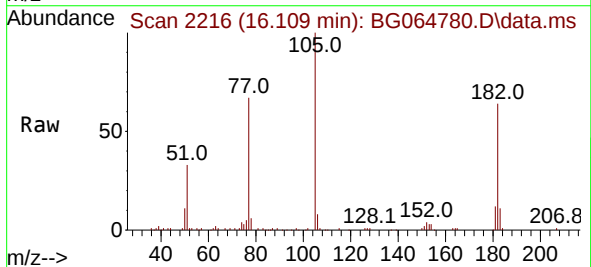


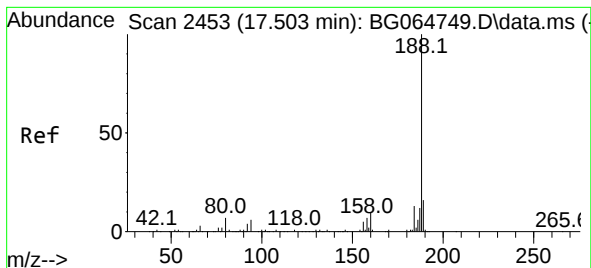
Tgt Ion:165 Resp: 16385
 Ion Ratio Lower Upper
 165 100
 63 1.6 37.8 56.6#
 89 1.4 51.6 77.4#
 182 0.0 2.0 3.0#



#63
 Azobenzene
 Concen: 5.281 ng
 RT: 16.109 min Scan# 2216
 Delta R.T. 0.016 min
 Lab File: BG064780.D
 Acq: 14 Nov 2025 15:19

Tgt Ion: 77 Resp: 43695
 Ion Ratio Lower Upper
 77 100
 182 95.4 8.1 48.1#
 105 148.7 0.1 40.1#
 51 48.5 16.0 56.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.502 min Scan# 24

Delta R.T. -0.001 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

Instrument :

BNA_G

ClientSampleId :

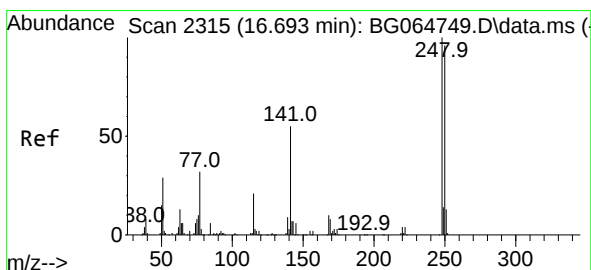
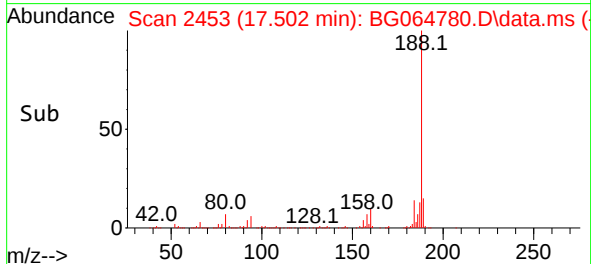
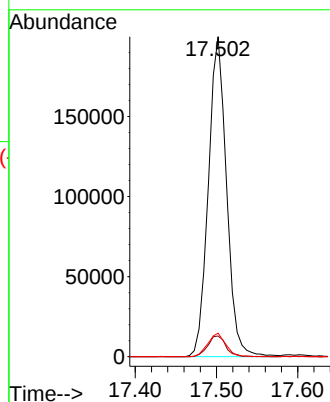
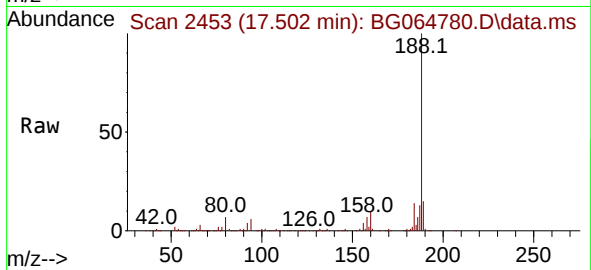
Tgt Ion:188 Resp: 311251

Ion Ratio Lower Upper

188 100

94 6.4 4.7 7.1

80 7.3 5.4 8.2



#67

4-Bromophenyl-phenylether

Concen: 2.837 ng

RT: 16.245 min Scan# 2239

Delta R.T. -0.448 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

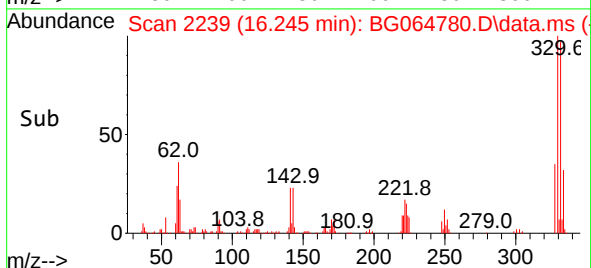
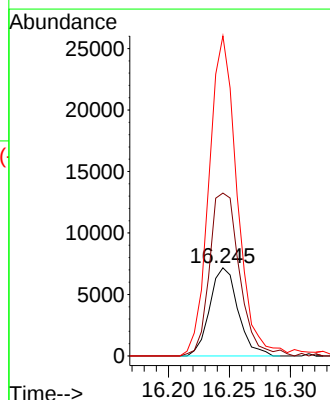
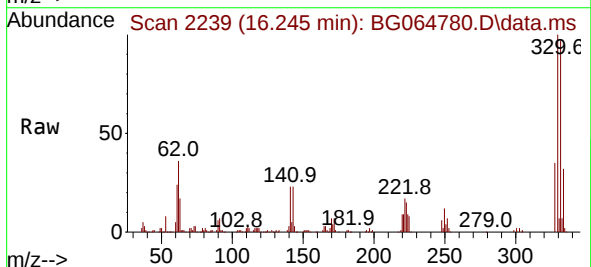
Tgt Ion:248 Resp: 11597

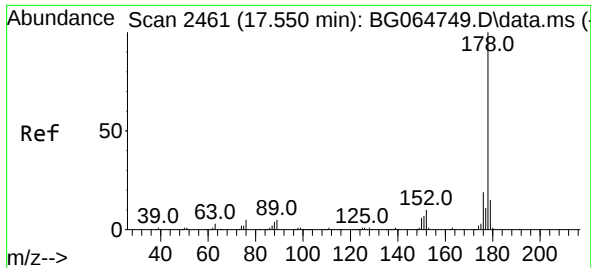
Ion Ratio Lower Upper

248 100

250 181.7 77.0 115.6#

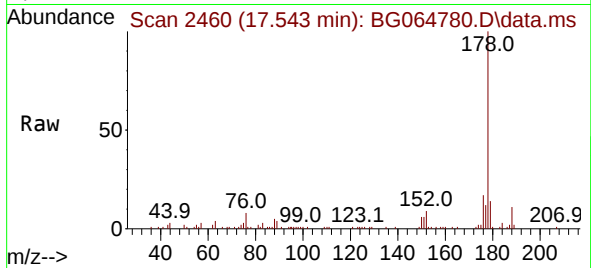
141 265.8 43.7 65.5#



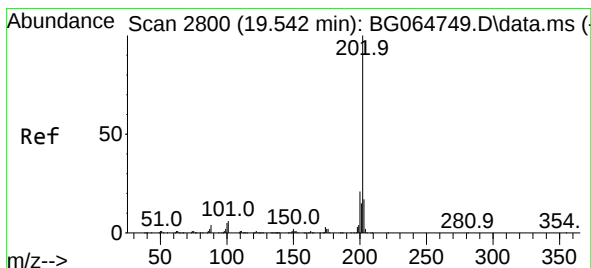
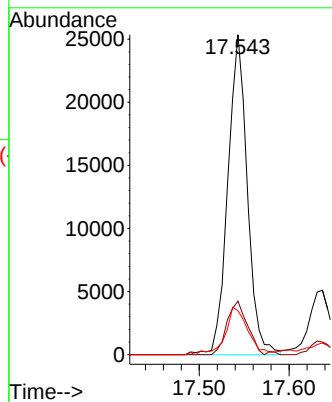
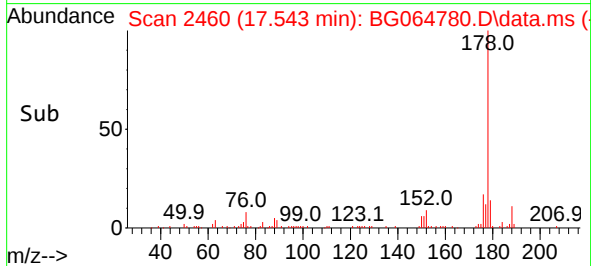


#71
Phenanthrene
Concen: 2.248 ng
RT: 17.543 min Scan# 2461
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Instrument :
BNA_G
ClientSampleId :

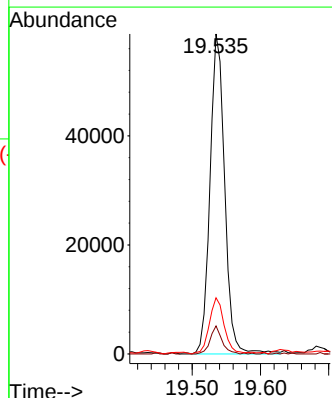
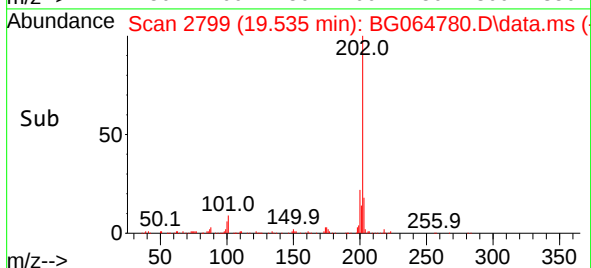
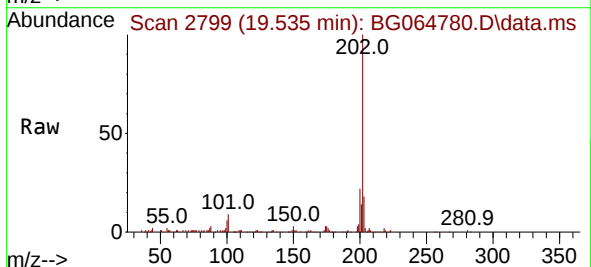


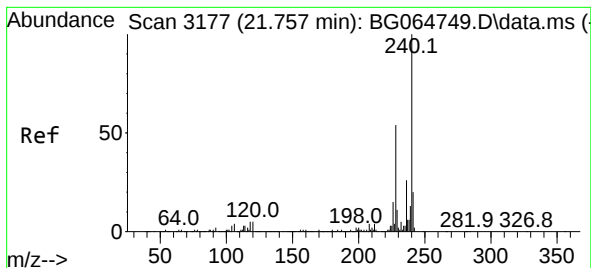
Tgt Ion:178 Resp: 38284
Ion Ratio Lower Upper
178 100
176 16.7 14.8 22.2
179 13.7 12.2 18.4



#75
Fluoranthene
Concen: 3.789 ng
RT: 19.535 min Scan# 2799
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Tgt Ion:202 Resp: 88233
Ion Ratio Lower Upper
202 100
101 8.8 0.0 26.4
203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.750 min Scan# 3177

Delta R.T. -0.007 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

Instrument :

BNA_G

ClientSampleId :

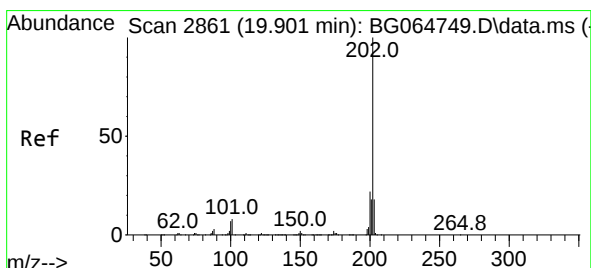
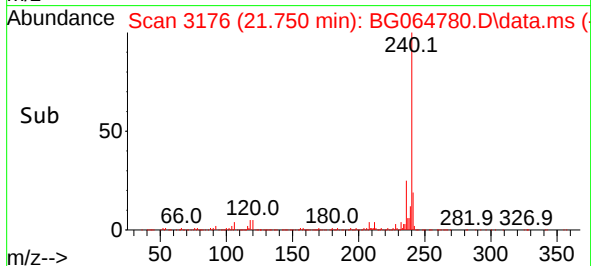
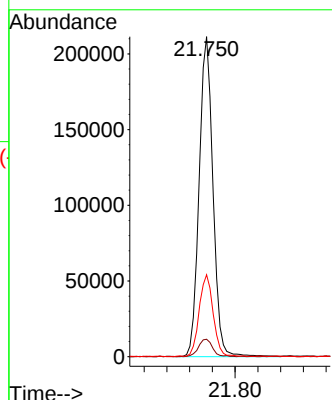
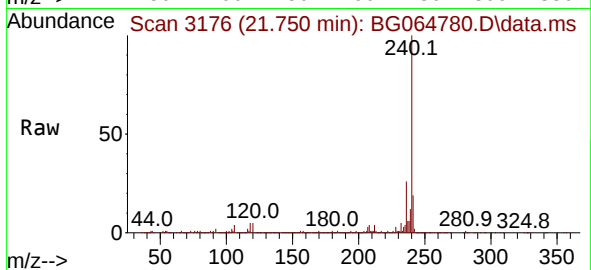
Tgt Ion:240 Resp: 357537

Ion Ratio Lower Upper

240 100

120 5.5 4.2 6.4

236 25.6 20.8 31.2



#78

Pyrene

Concen: 4.214 ng

RT: 19.899 min Scan# 2861

Delta R.T. -0.001 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

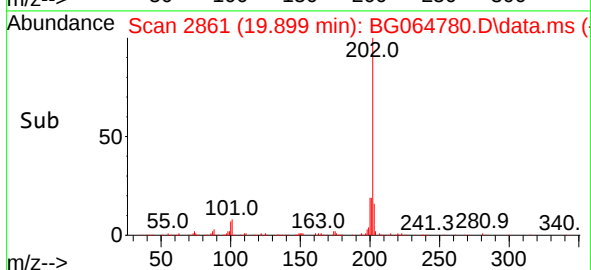
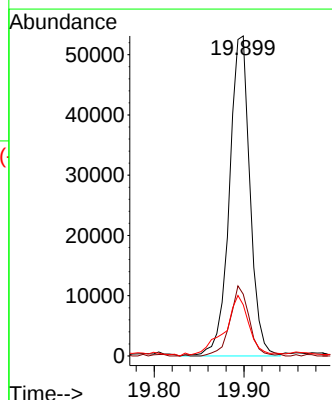
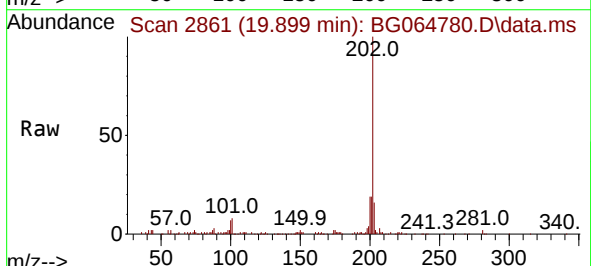
Tgt Ion:202 Resp: 84446

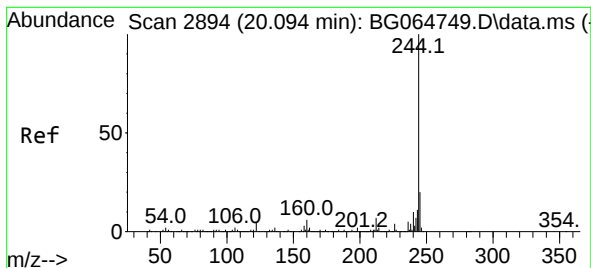
Ion Ratio Lower Upper

202 100

200 19.3 17.9 26.9

203 16.0 14.0 21.0





#79

Terphenyl-d14

Concen: 50.644 ng

RT: 20.087 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

Instrument :

BNA_G

ClientSampleId :

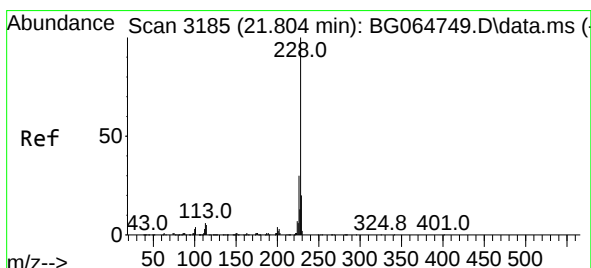
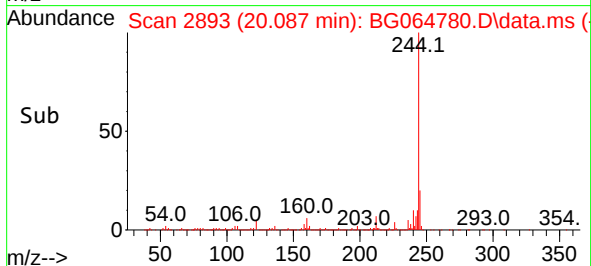
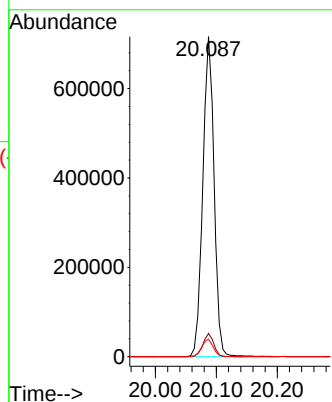
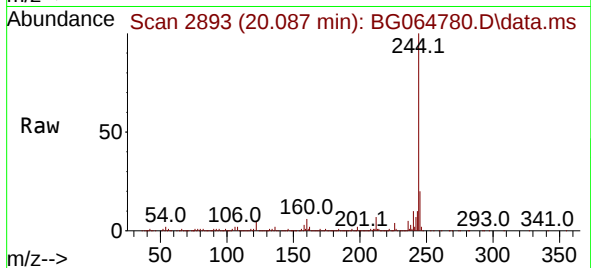
Tgt Ion:244 Resp: 920501

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 5.5 4.3 6.5



#83

Chrysene

Concen: 2.003 ng

RT: 21.797 min Scan# 3184

Delta R.T. -0.007 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

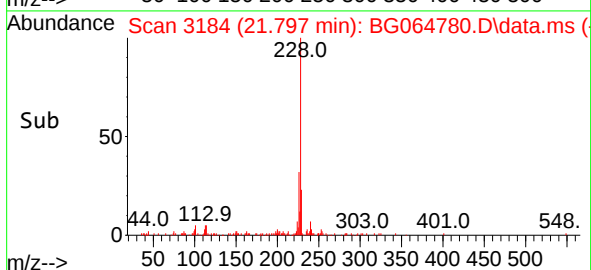
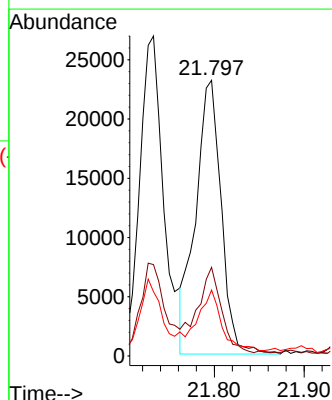
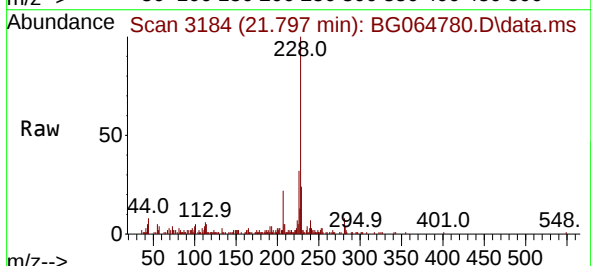
Tgt Ion:228 Resp: 45900

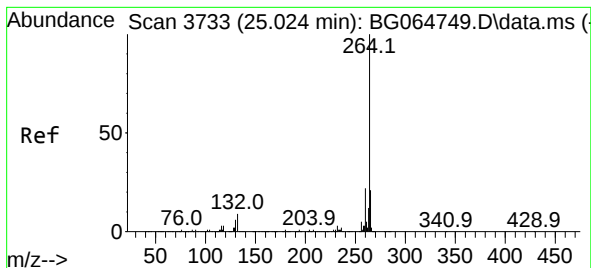
Ion Ratio Lower Upper

228 100

226 32.2 24.2 36.2

229 23.9 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.005 min Scan# 31

Delta R.T. -0.019 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

Instrument :

BNA_G

ClientSampleId :

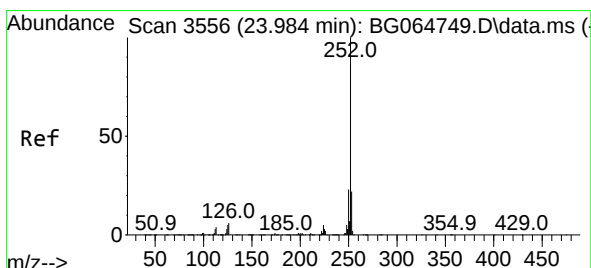
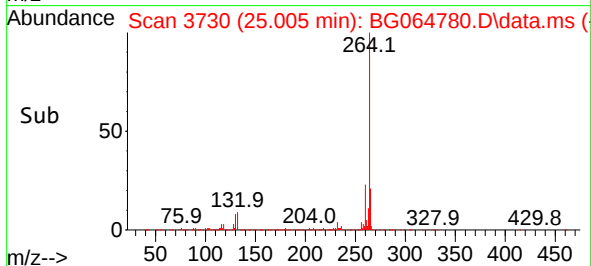
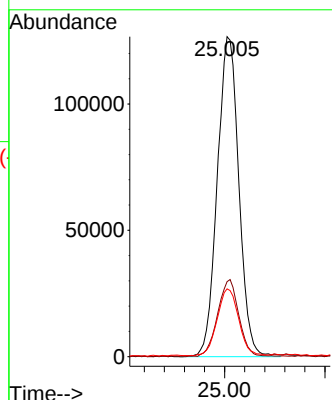
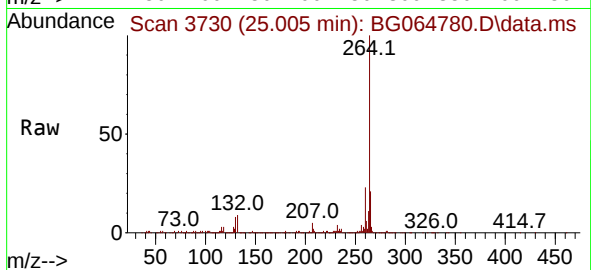
Tgt Ion:264 Resp: 377607

Ion Ratio Lower Upper

264 100

260 23.5 17.2 25.8

265 21.2 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.432 ng

RT: 23.971 min Scan# 3554

Delta R.T. -0.013 min

Lab File: BG064780.D

Acq: 14 Nov 2025 15:19

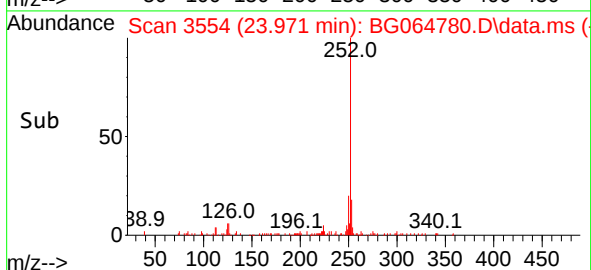
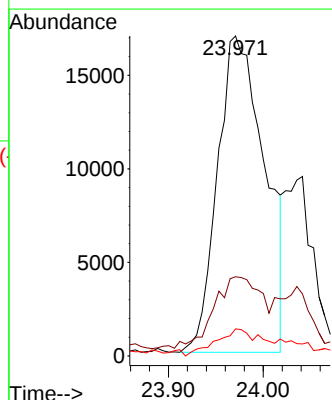
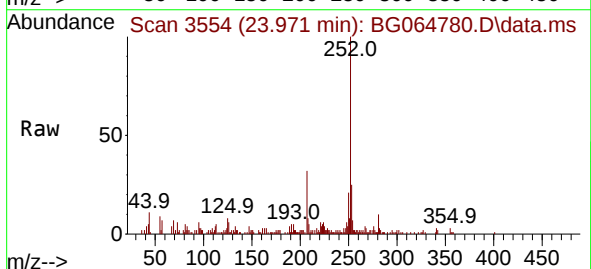
Tgt Ion:252 Resp: 58453

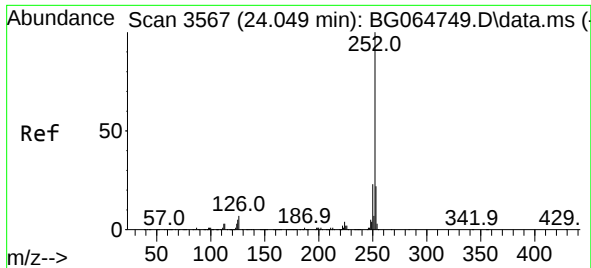
Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

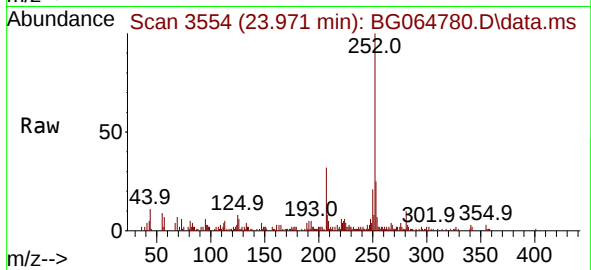
125 8.4 4.2 6.2#





#89
Benzo(k)fluoranthene
Concen: 2.421 ng
RT: 23.971 min Scan# 31
Delta R.T. -0.078 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:252 Resp: 58453
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 8.4 4.1 6.1#

