

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112125\
 Data File : BG064845.D
 Acq On : 21 Nov 2025 15:57
 Operator : RC/JU
 Sample : Q3697-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 16:35:11 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)

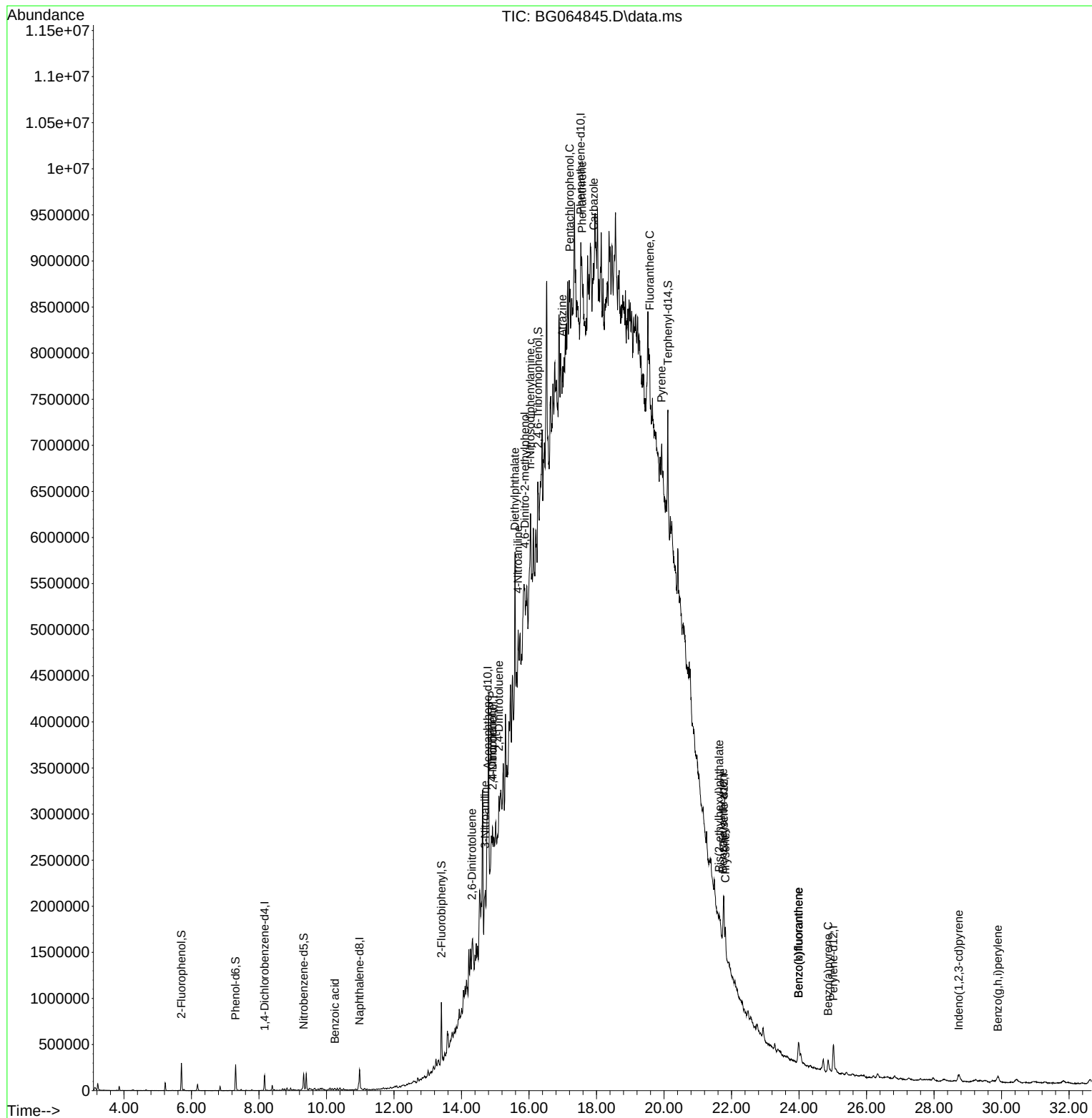
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	50616	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	191729	20.000	ng	0.00
39) Acenaphthene-d10	14.779	164	142889	20.000	ng	0.00
64) Phenanthrene-d10	17.529	188	274156	20.000	ng	# 0.03
76) Chrysene-d12	21.771	240	325988	20.000	ng	# 0.01
86) Perylene-d12	25.014	264	366970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	131342	45.312	ng	0.00
7) Phenol-d6	7.306	99	165495	42.927	ng	0.00
23) Nitrobenzene-d5	9.321	82	108193	27.901	ng	0.00
42) 2,4,6-Tribromophenol	16.266	330	115531	41.457	ng	0.01
45) 2-Fluorobiphenyl	13.404	172	329298	32.157	ng	0.00
79) Terphenyl-d14	20.114	244	559900	33.786	ng	0.02
Target Compounds						Qvalue
32) Benzoic acid	10.249	122	55	5.904	ng	# 33
51) 2,6-Dinitrotoluene	14.309	165	33180	15.277	ng	# 27
53) 3-Nitroaniline	14.697	138	16895	7.881	ng	# 16
54) 2,4-Dinitrophenol	14.926	184	681	8.992	ng	# 1
56) 4-Nitrophenol	14.914	139	5210	3.063	ng	# 1
57) 2,4-Dinitrotoluene	15.108	165	8106	2.489	ng	# 47
60) Diethylphthalate	15.578	149	36565	3.382	ng	# 24
62) 4-Nitroaniline	15.672	138	28260	12.725	ng	83
65) 4,6-Dinitro-2-methylph...	15.878	198	6759	4.440	ng	# 1
66) n-Nitrosodiphenylamine	16.042	169	28644	3.989	ng	# 69
69) Atrazine	16.988	200	14205	4.103	ng	# 1
70) Pentachlorophenol	17.206	266	1607	6.718	ng	# 1
71) Phenanthrene	17.576	178	260272	17.351	ng	# 68
73) Carbazole	17.917	167	35989	2.737	ng	# 1
75) Fluoranthene	19.573	202	411683	20.071	ng	90
78) Pyrene	19.926	202	340269	18.624	ng	# 91
81) Benzo(a)anthracene	21.747	228	157590	7.110	ng	# 96
83) Chrysene	21.818	228	230584	11.034	ng	95
84) Bis(2-ethylhexyl)phtha...	21.636	149	34605	3.685	ng	# 76
87) Indeno(1,2,3-cd)pyrene	28.733	276	137446	5.452	ng	# 95
88) Benzo(b)fluoranthene	23.986	252	306140	13.109	ng	# 96
89) Benzo(k)fluoranthene	23.986	252	306140	13.048	ng	# 97
90) Benzo(a)pyrene	24.861	252	167183	7.717	ng	# 94
92) Benzo(g,h,i)perylene	29.891	276	140501	7.068	ng	95

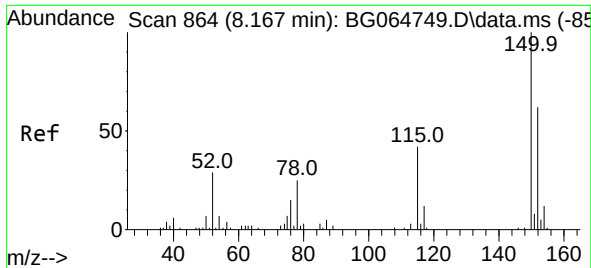
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112125\
Data File : BG064845.D
Acq On : 21 Nov 2025 15:57
Operator : RC/JU
Sample : Q3697-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

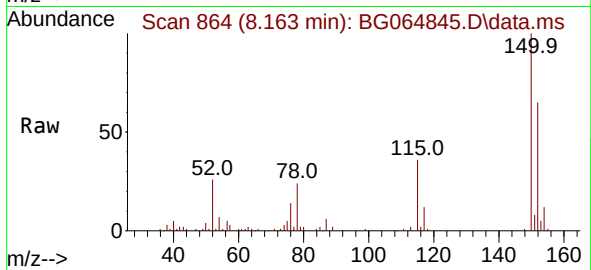
Quant Time: Nov 21 16:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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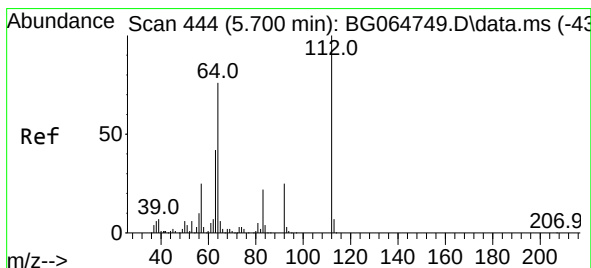
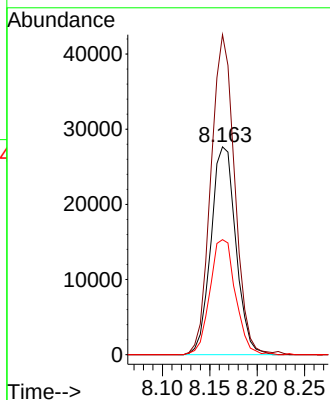
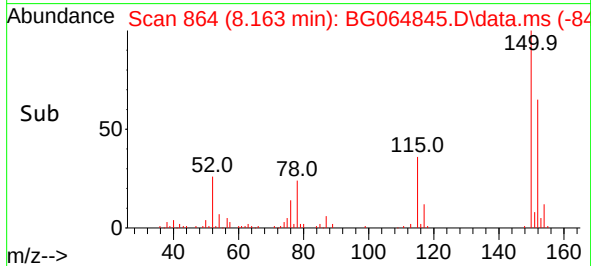


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 80
Delta R.T. -0.004 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

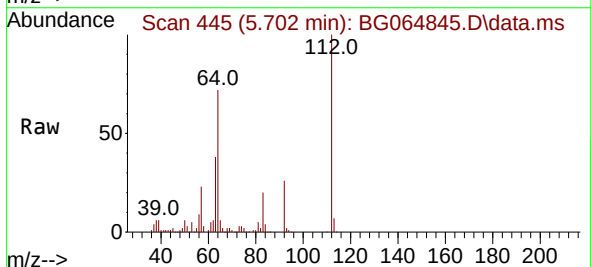
Instrument :
BNA_G
ClientSampleId :



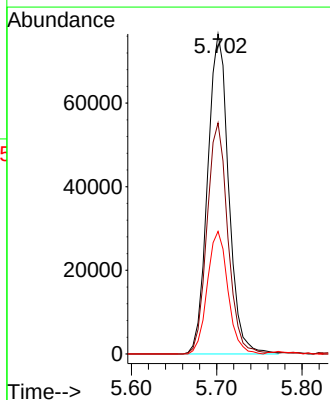
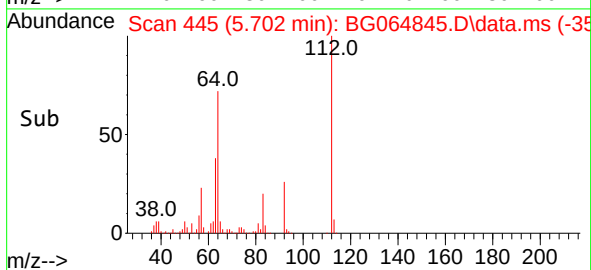
Tgt Ion:152 Resp: 50616
Ion Ratio Lower Upper
152 100
150 153.9 129.2 193.8
115 55.3 53.7 80.5

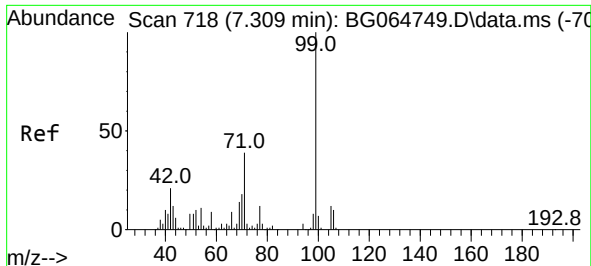


#5
2-Fluorophenol
Concen: 45.312 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.002 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57



Tgt Ion:112 Resp: 131342
Ion Ratio Lower Upper
112 100
64 72.2 61.0 91.4
63 38.3 33.3 49.9

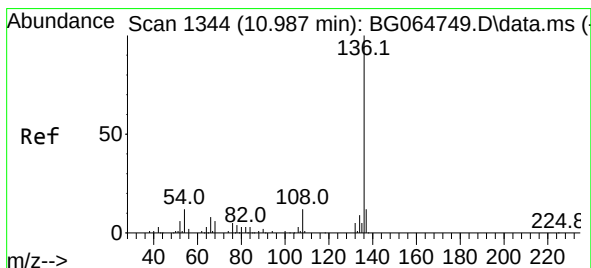
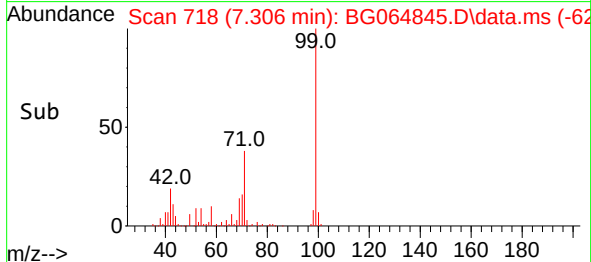
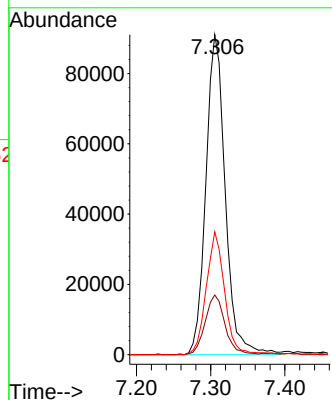
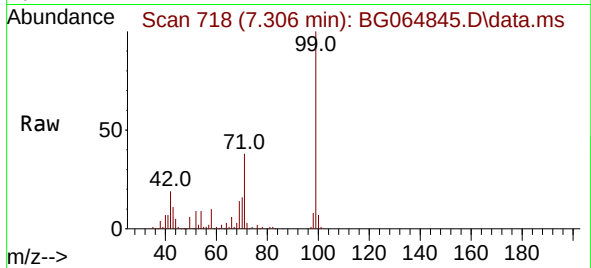




#7
Phenol-d6
Concen: 42.927 ng
RT: 7.306 min Scan# 718
Delta R.T. -0.004 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

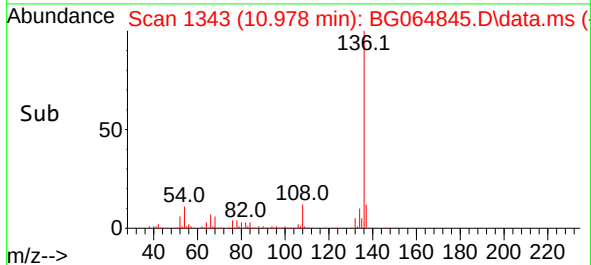
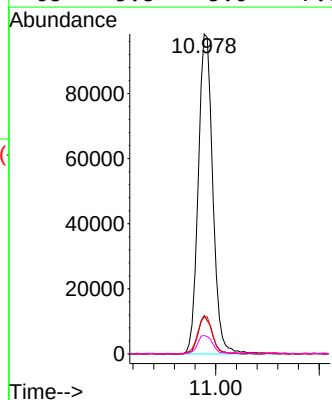
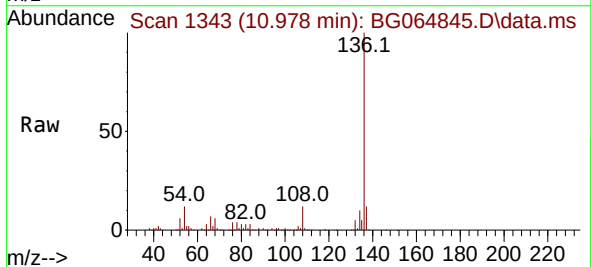
Instrument :
BNA_G
ClientSampleId :

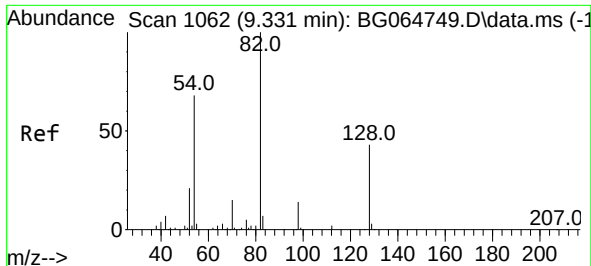
Tgt Ion: 99 Resp: 165495
Ion Ratio Lower Upper
99 100
42 18.7 16.8 25.2
71 38.4 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1343
Delta R.T. -0.009 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:136 Resp: 191729
Ion Ratio Lower Upper
136 100
137 12.0 9.3 13.9
54 11.5 9.3 13.9
68 5.8 5.0 7.6

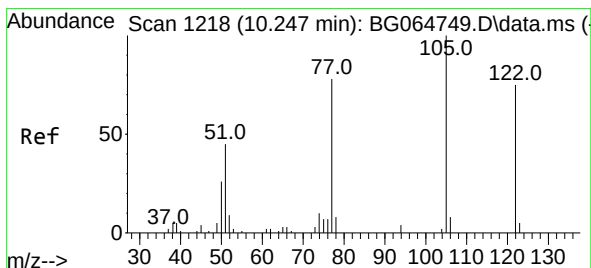
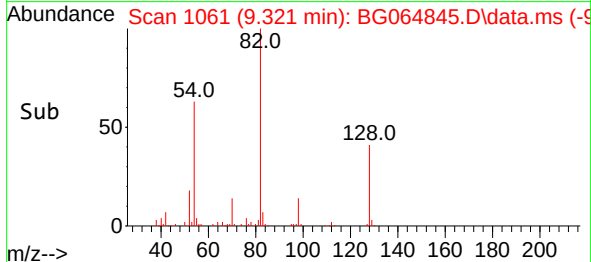
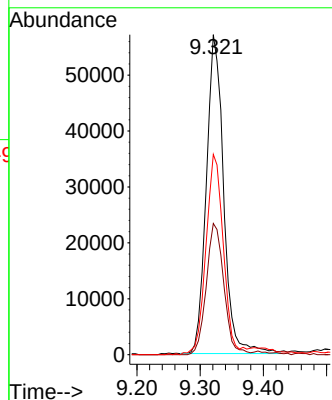
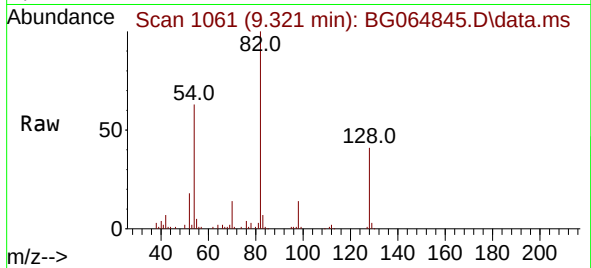




#23
Nitrobenzene-d5
Concen: 27.901 ng
RT: 9.321 min Scan# 1061
Delta R.T. -0.010 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

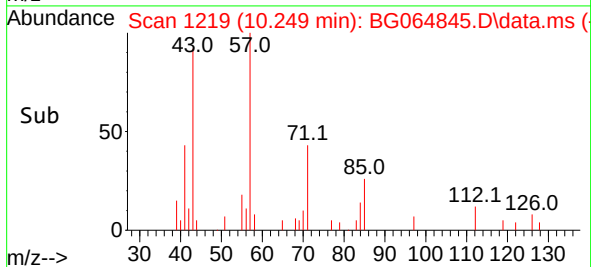
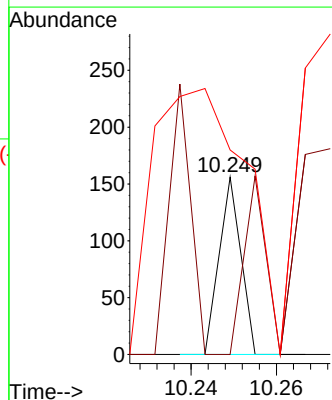
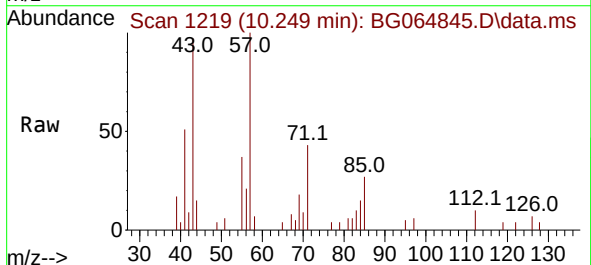
Instrument :
BNA_G
ClientSampleId :

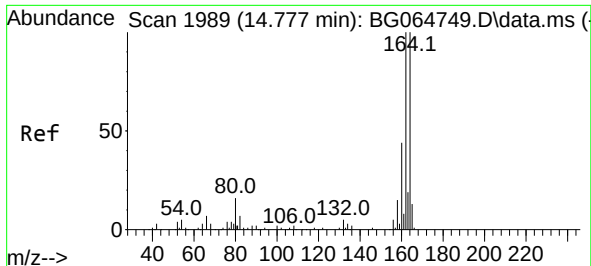
Tgt Ion: 82 Resp: 108193
Ion Ratio Lower Upper
82 100
128 41.0 34.1 51.1
54 62.6 54.3 81.5



#32
Benzoic acid
Concen: 5.904 ng
RT: 10.249 min Scan# 1219
Delta R.T. 0.002 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

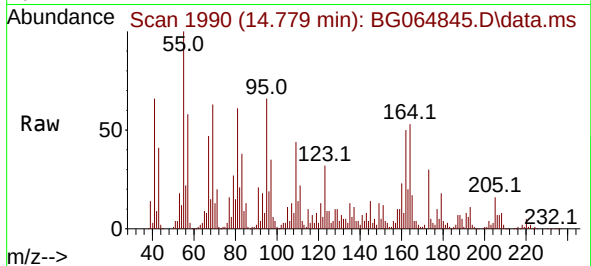
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 107.6 147.6#
77 115.4 82.5 122.5



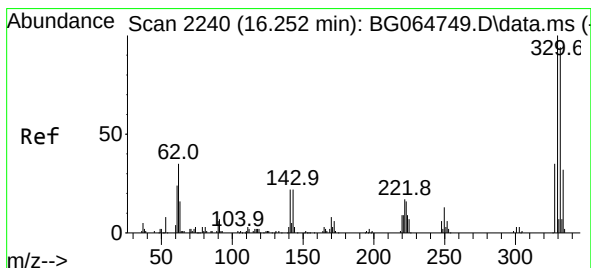
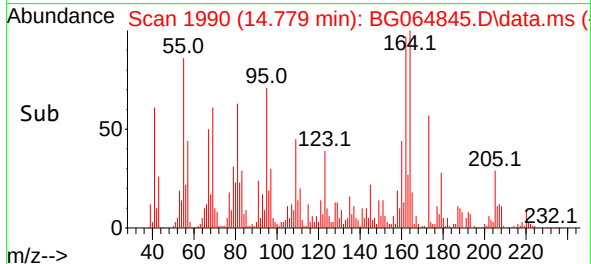
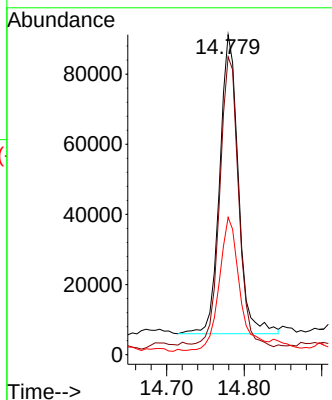


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.779 min Scan# 1989
Delta R.T. 0.002 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :

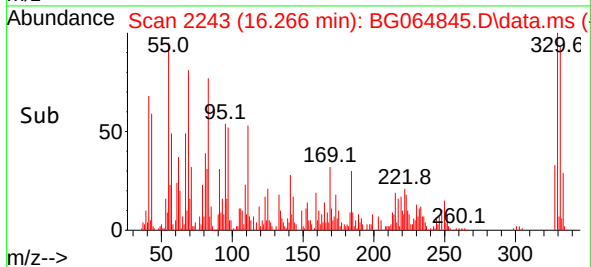
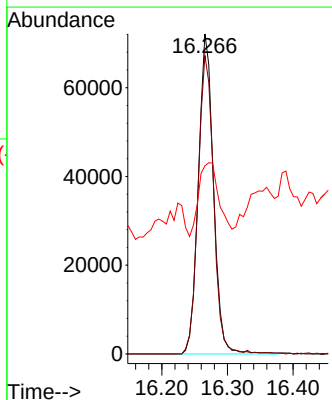
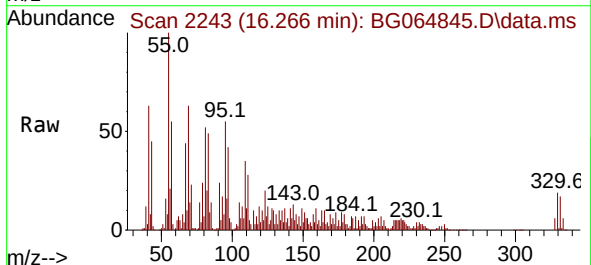


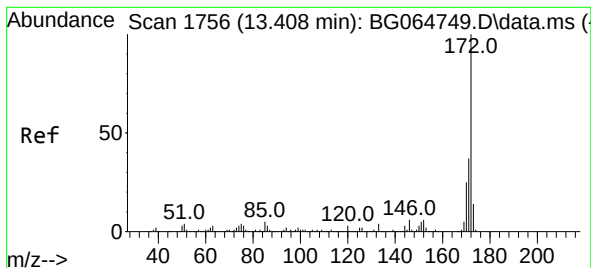
Tgt Ion:164 Resp: 142889
Ion Ratio Lower Upper
164 100
162 93.1 79.8 119.6
160 42.9 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 41.457 ng
RT: 16.266 min Scan# 2243
Delta R.T. 0.014 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:330 Resp: 115531
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 30.7 18.2 27.2#





#45

2-Fluorobiphenyl

Concen: 32.157 ng

RT: 13.404 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

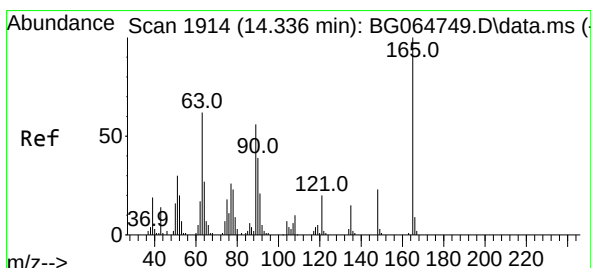
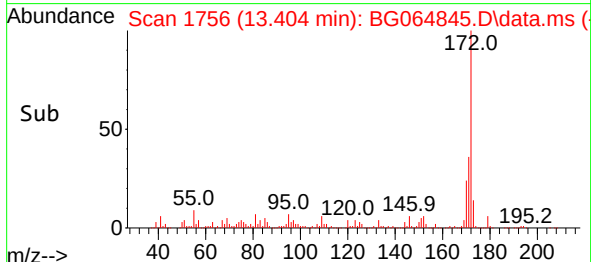
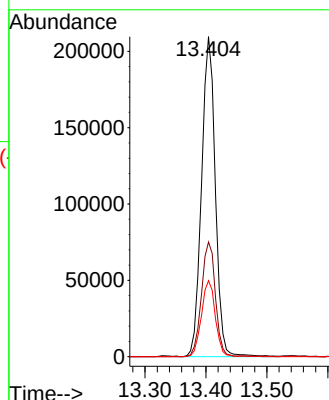
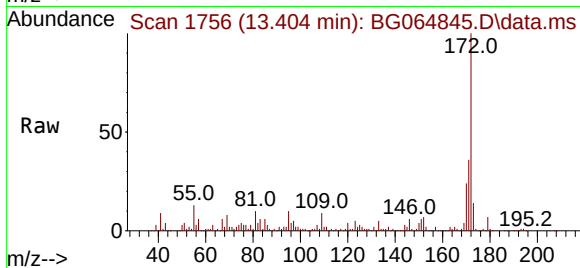
Tgt Ion:172 Resp: 329298

Ion Ratio Lower Upper

172 100

171 35.9 29.9 44.9

170 23.8 19.8 29.6



#51

2,6-Dinitrotoluene

Concen: 15.277 ng

RT: 14.309 min Scan# 1910

Delta R.T. -0.027 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

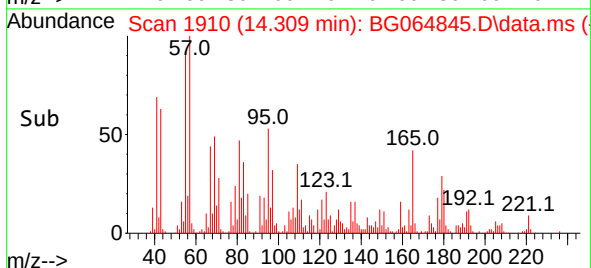
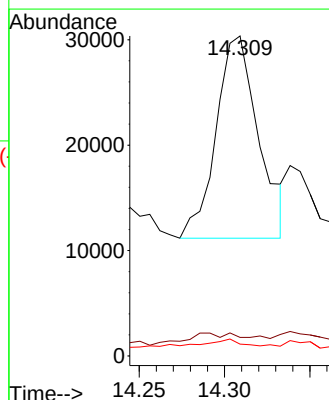
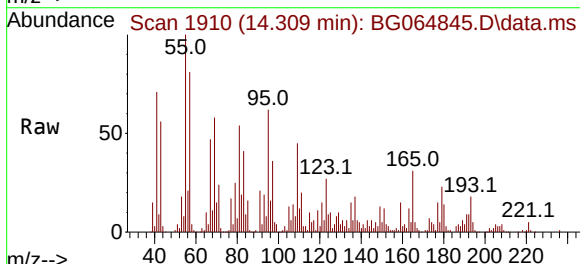
Tgt Ion:165 Resp: 33180

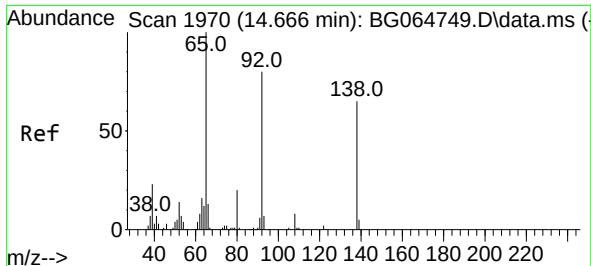
Ion Ratio Lower Upper

165 100

63 5.8 49.8 74.8#

89 3.7 45.0 67.4#

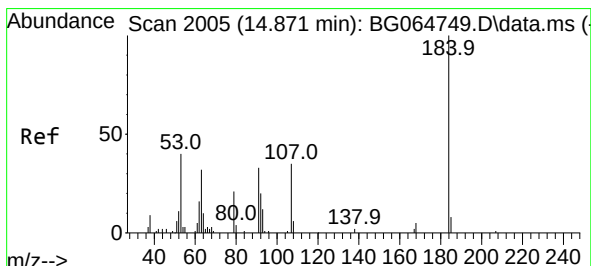
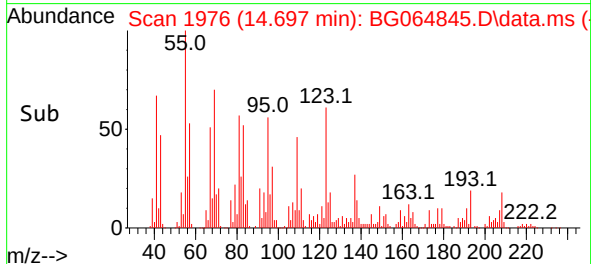
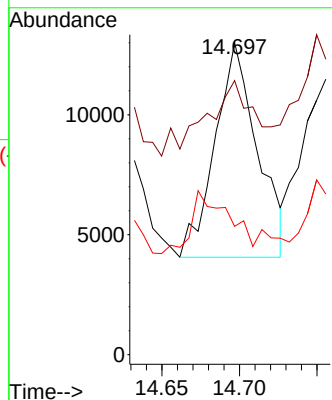
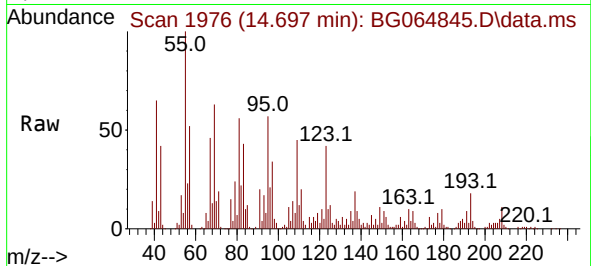




#53
3-Nitroaniline
Concen: 7.881 ng
RT: 14.697 min Scan# 1970
Delta R.T. 0.031 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

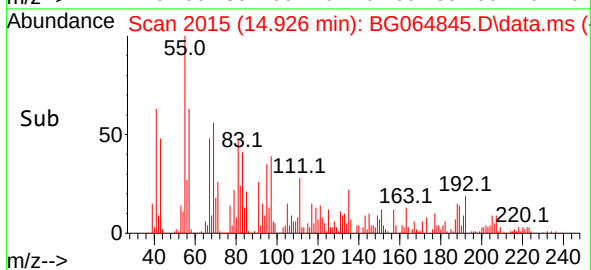
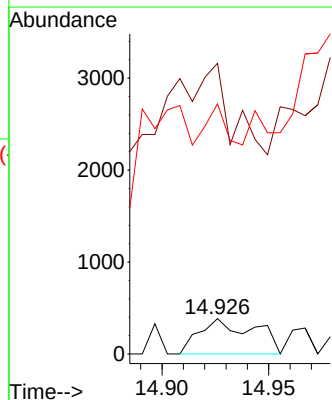
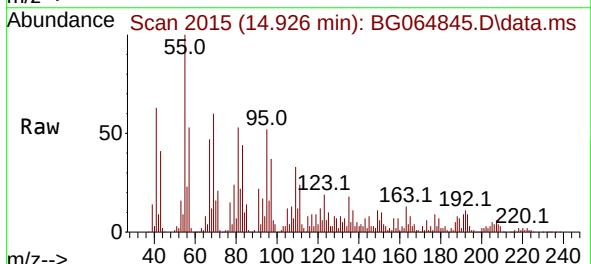
Instrument :
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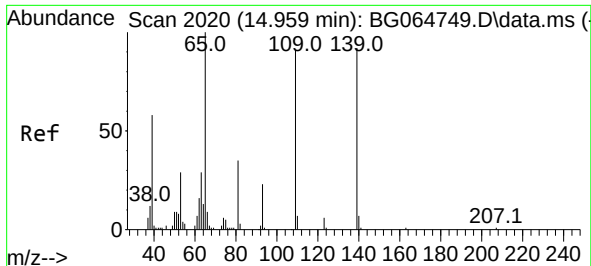
Tgt Ion:138 Resp: 16895
Ion Ratio Lower Upper
138 100
108 87.8 9.5 14.3#
92 41.1 99.0 148.4#



#54
2,4-Dinitrophenol
Concen: 8.992 ng
RT: 14.926 min Scan# 2015
Delta R.T. 0.055 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:184 Resp: 681
Ion Ratio Lower Upper
184 100
63 821.6 45.8 68.6#
154 706.8 52.6 78.8#

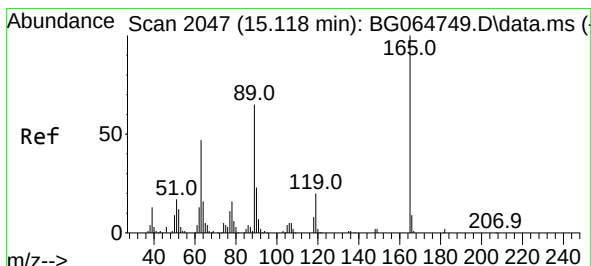
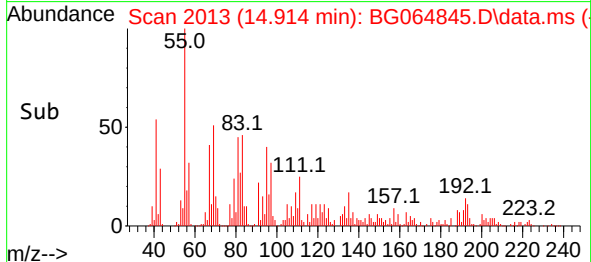
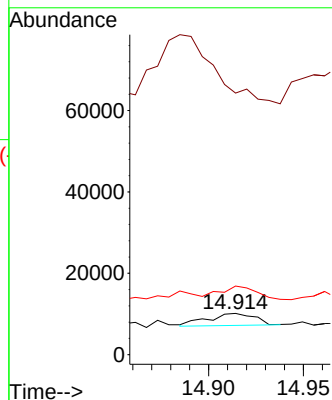
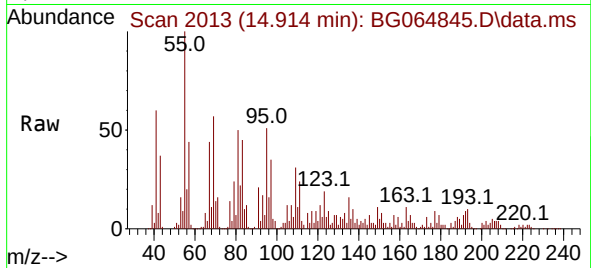




#56
4-Nitrophenol
Concen: 3.063 ng
RT: 14.914 min Scan# 2013
Delta R.T. -0.045 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

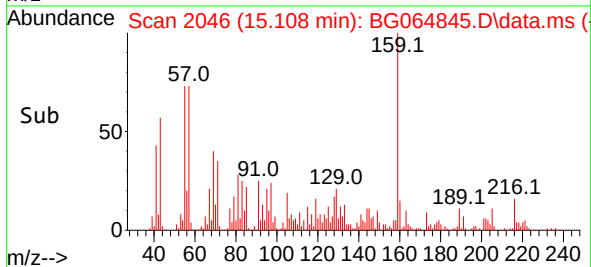
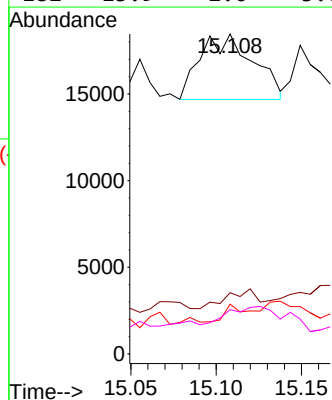
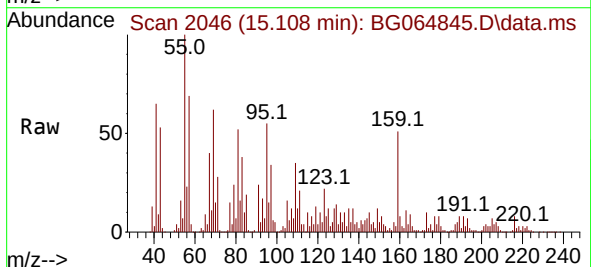
Instrument :
BNA_G
ClientSampleId :

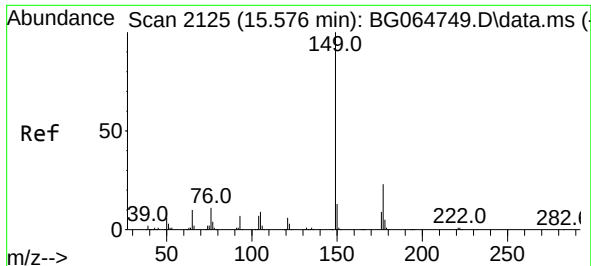
Tgt Ion:139 Resp: 5210
Ion Ratio Lower Upper
139 100
109 635.0 79.7 119.7#
65 166.7 89.9 129.9#



#57
2,4-Dinitrotoluene
Concen: 2.489 ng
RT: 15.108 min Scan# 2046
Delta R.T. -0.010 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:165 Resp: 8106
Ion Ratio Lower Upper
165 100
63 19.2 37.8 56.6#
89 15.6 51.6 77.4#
182 13.9 2.0 3.0#

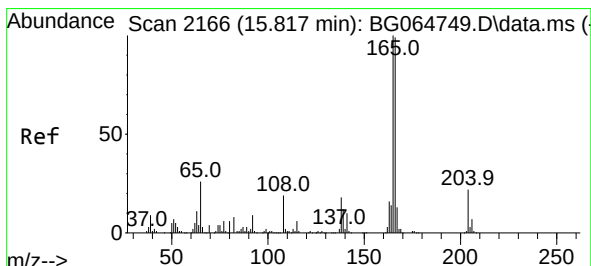
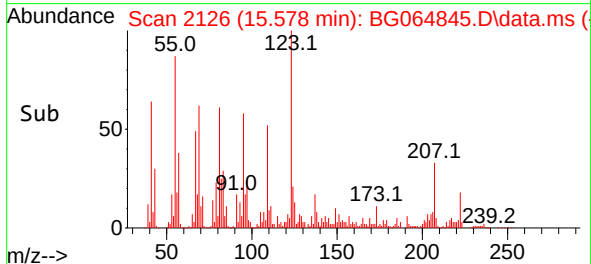
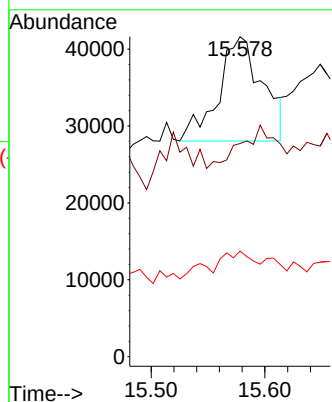
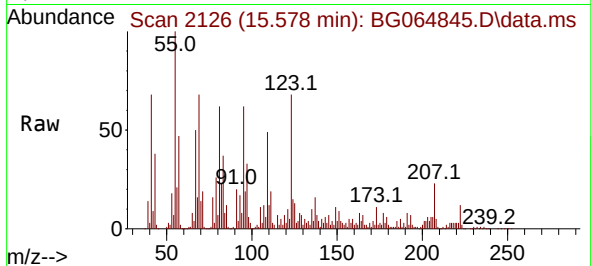




#60
Diethylphthalate
Concen: 3.382 ng
RT: 15.578 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

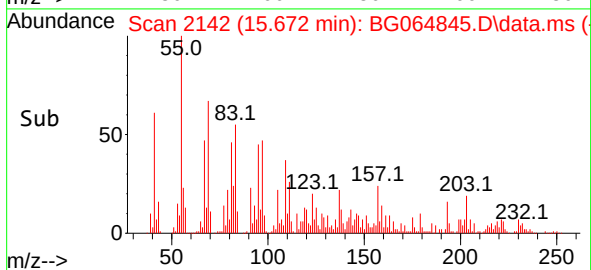
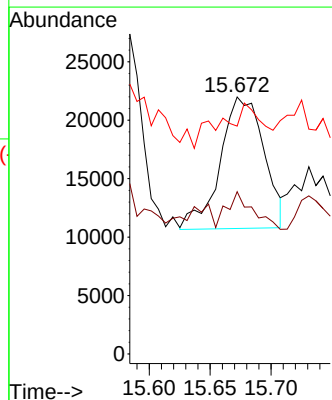
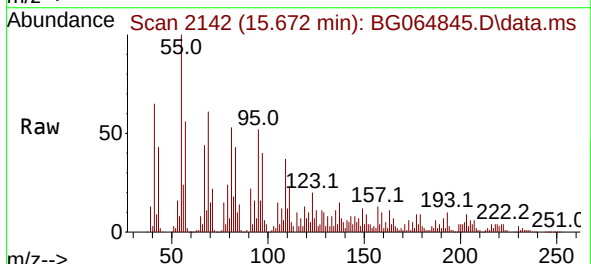
Instrument :
BNA_G
ClientSampleId :

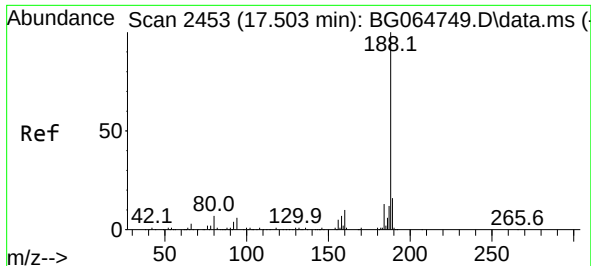
Tgt Ion:149 Resp: 36565
Ion Ratio Lower Upper
149 100
177 66.6 18.4 27.6#
150 33.0 10.1 15.1#



#62
4-Nitroaniline
Concen: 12.725 ng
RT: 15.672 min Scan# 2142
Delta R.T. -0.145 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:138 Resp: 28260
Ion Ratio Lower Upper
138 100
92 63.2 30.7 70.7
108 88.7 85.7 125.7

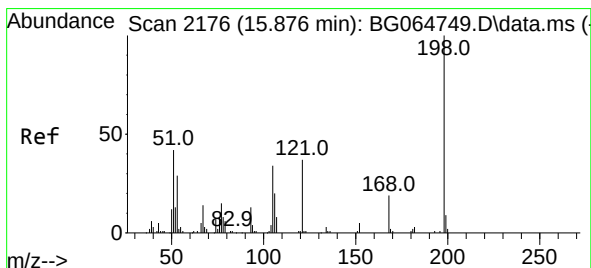
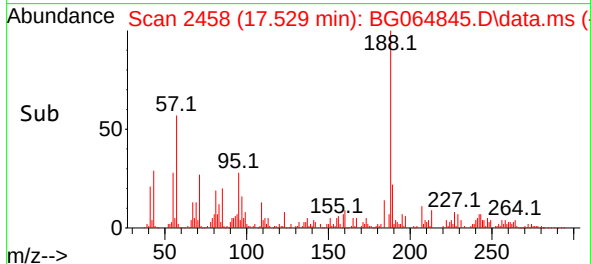
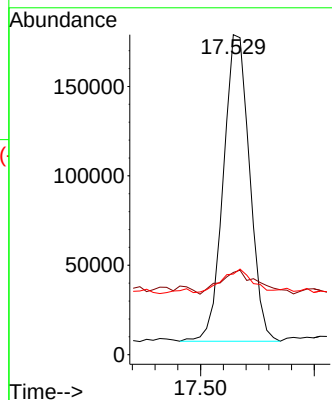
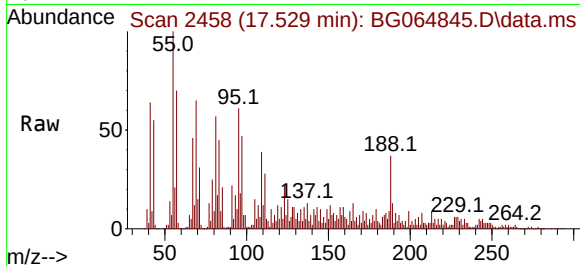




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.529 min Scan# 2453
Delta R.T. 0.025 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

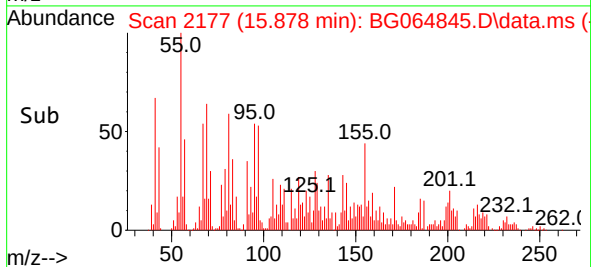
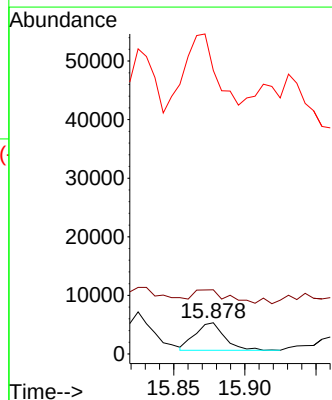
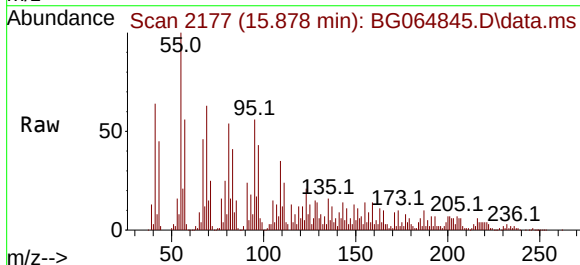
Instrument :
BNA_G
ClientSampleId :

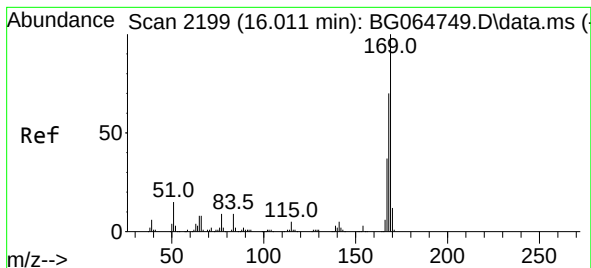
Tgt Ion:188 Resp: 274156
Ion Ratio Lower Upper
188 100
94 25.7 4.7 7.1#
80 25.2 5.4 8.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.440 ng
RT: 15.878 min Scan# 2177
Delta R.T. 0.002 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

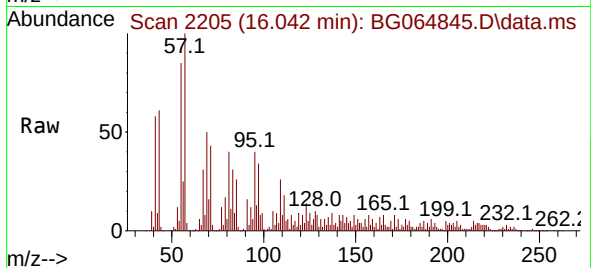
Tgt Ion:198 Resp: 6759
Ion Ratio Lower Upper
198 100
51 205.0 25.2 65.2#
105 906.2 14.2 54.2#



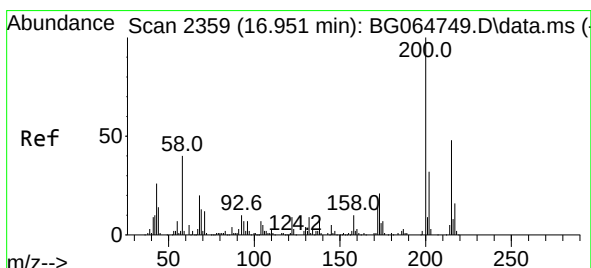
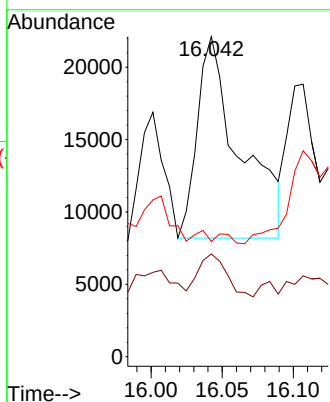
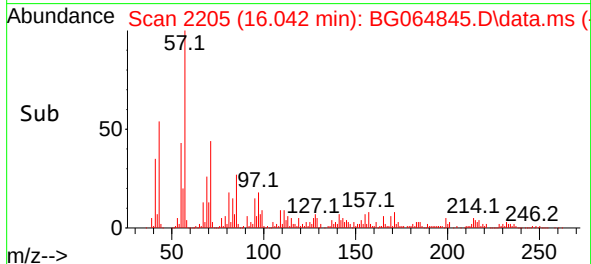


#66
n-Nitrosodiphenylamine
Concen: 3.989 ng
RT: 16.042 min Scan# 2199
Delta R.T. 0.031 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

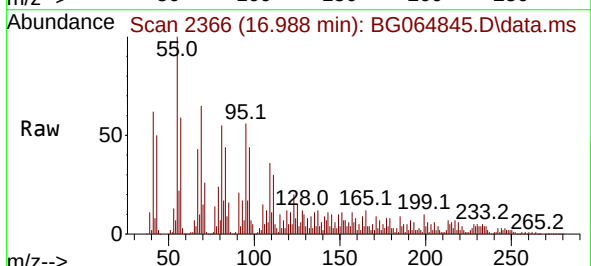
Instrument :
BNA_G
ClientSampleId :



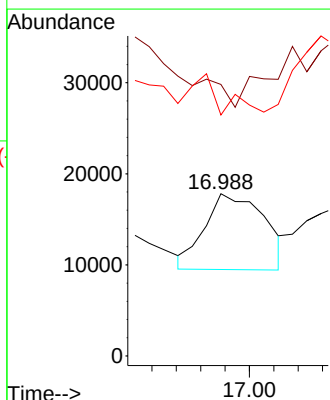
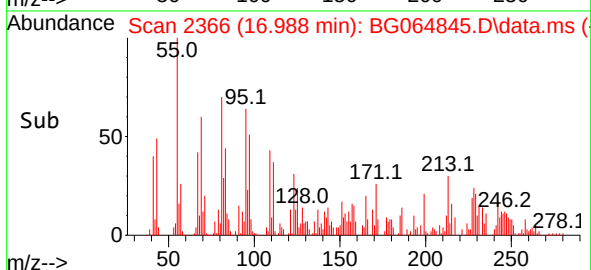
Tgt Ion:169 Resp: 28644
Ion Ratio Lower Upper
169 100
168 32.1 55.9 83.9#
167 36.0 29.8 44.6

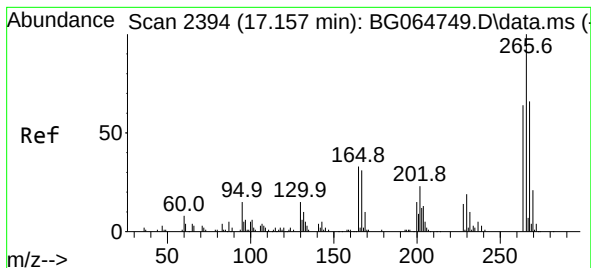


#69
Atrazine
Concen: 4.103 ng
RT: 16.988 min Scan# 2366
Delta R.T. 0.037 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57



Tgt Ion:200 Resp: 14205
Ion Ratio Lower Upper
200 100
173 167.3 0.9 40.9#
215 148.5 27.5 67.5#





#70

Pentachlorophenol

Concen: 6.718 ng

RT: 17.206 min Scan# 2403

Delta R.T. 0.049 min

Lab File: BG064845.D

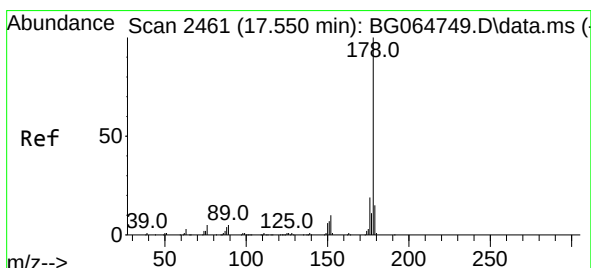
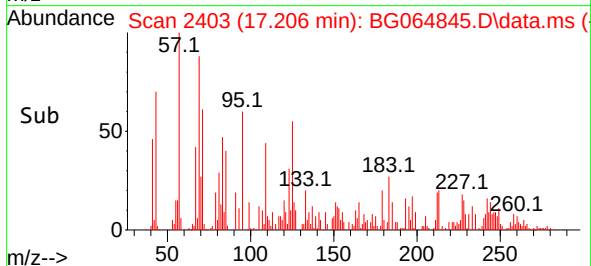
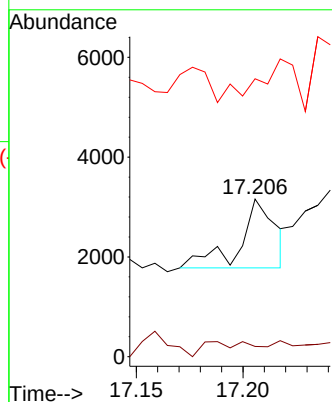
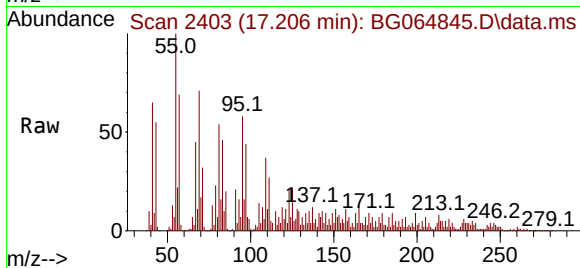
Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	266	Resp:	1607
Ion Ratio	Lower	Upper	
266	100		
268	6.5	56.1	84.1#
264	176.3	51.2	76.8#



#71

Phenanthrene

Concen: 17.351 ng

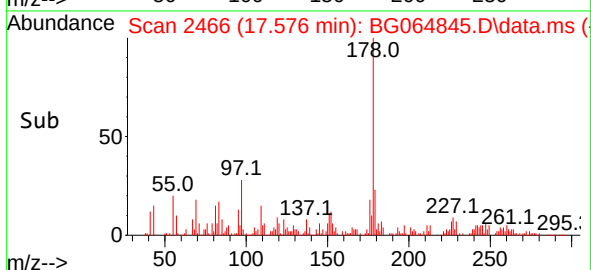
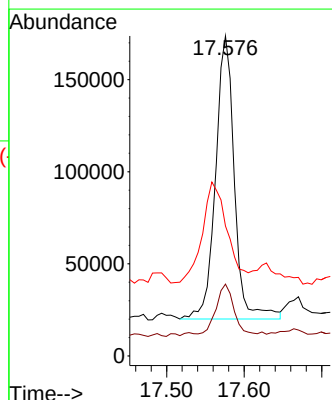
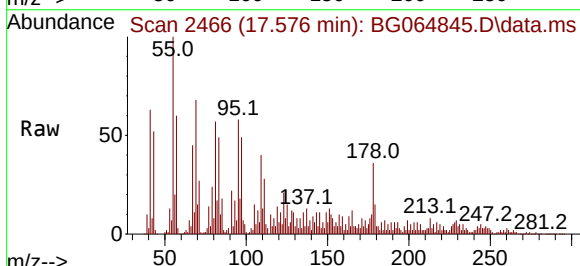
RT: 17.576 min Scan# 2466

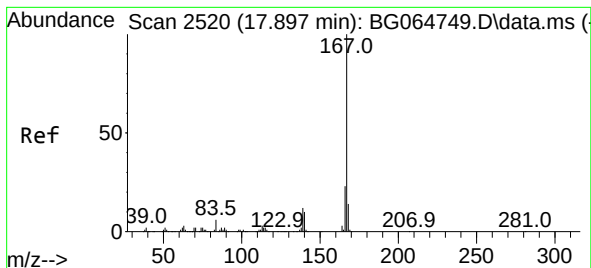
Delta R.T. 0.025 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Tgt Ion:	178	Resp:	260272
Ion Ratio	Lower	Upper	
178	100		
176	22.4	14.8	22.2#
179	40.6	12.2	18.4#





#73

Carbazole

Concen: 2.737 ng

RT: 17.917 min Scan# 21

Delta R.T. 0.020 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

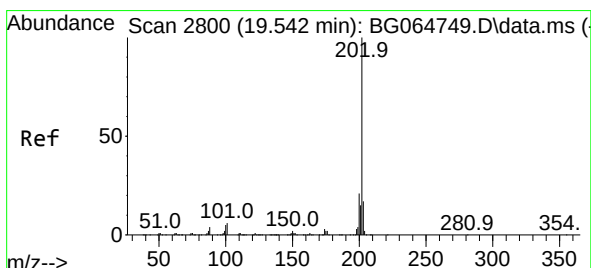
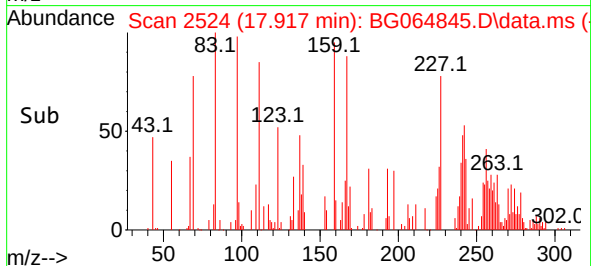
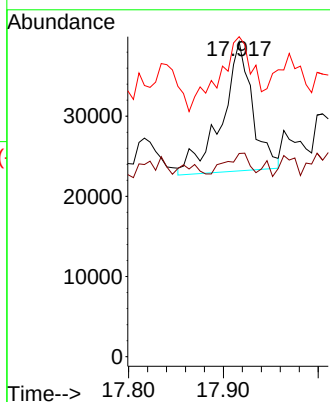
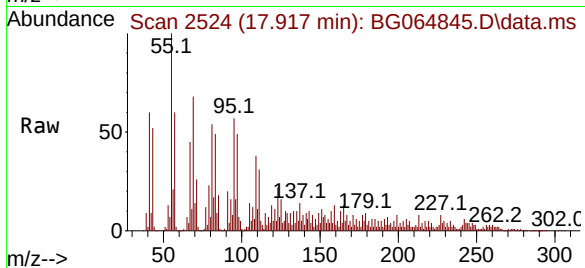
Tgt Ion:167 Resp: 35989

Ion Ratio Lower Upper

167 100

166 64.5 18.0 27.0#

139 101.6 9.7 14.5#



#75

Fluoranthene

Concen: 20.071 ng

RT: 19.573 min Scan# 2806

Delta R.T. 0.031 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

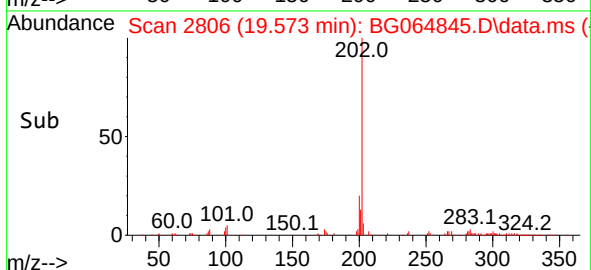
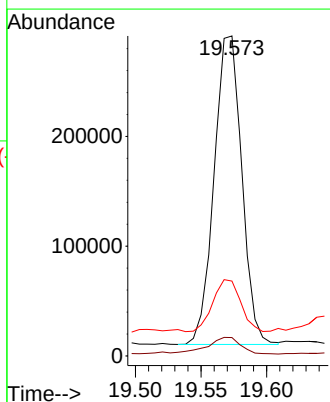
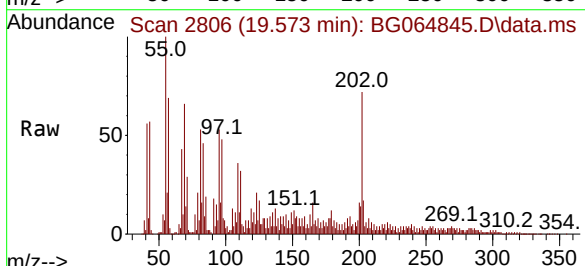
Tgt Ion:202 Resp: 411683

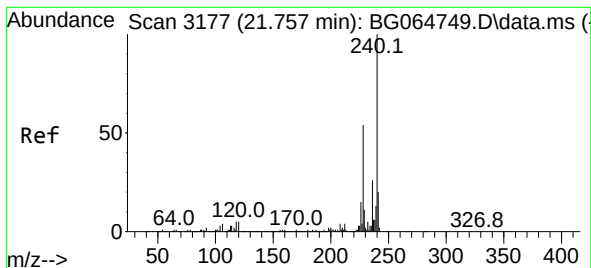
Ion Ratio Lower Upper

202 100

101 5.8 0.0 26.4

203 23.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.771 min Scan# 3177

Delta R.T. 0.014 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

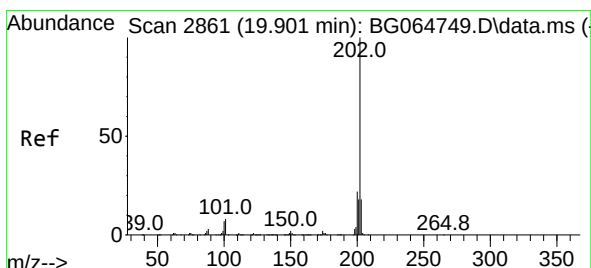
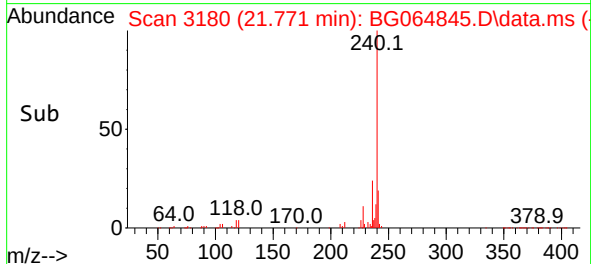
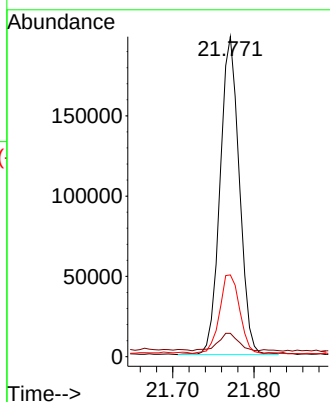
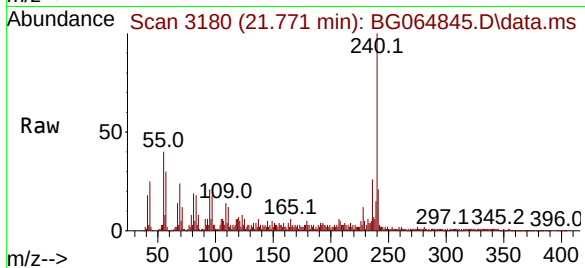
Tgt Ion:240 Resp: 325988

Ion Ratio Lower Upper

240 100

120 7.3 4.2 6.4#

236 25.5 20.8 31.2



#78

Pyrene

Concen: 18.624 ng

RT: 19.926 min Scan# 2866

Delta R.T. 0.025 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

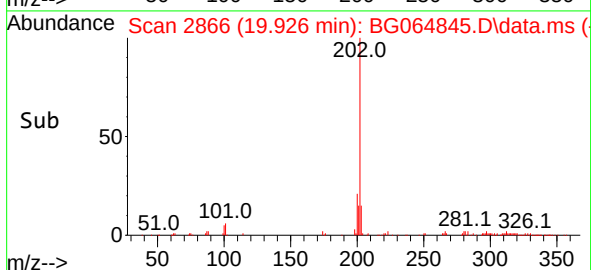
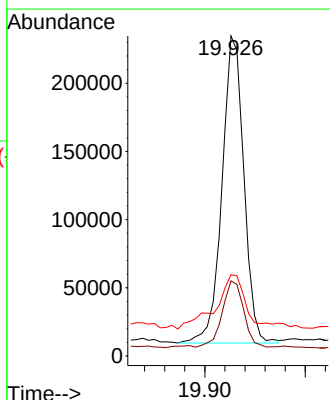
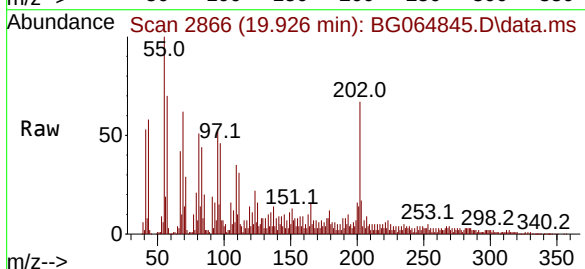
Tgt Ion:202 Resp: 340269

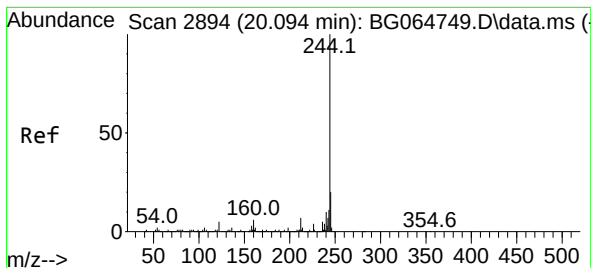
Ion Ratio Lower Upper

202 100

200 23.5 17.9 26.9

203 25.4 14.0 21.0#





#79

Terphenyl-d14

Concen: 33.786 ng

RT: 20.114 min Scan# 21

Delta R.T. 0.020 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

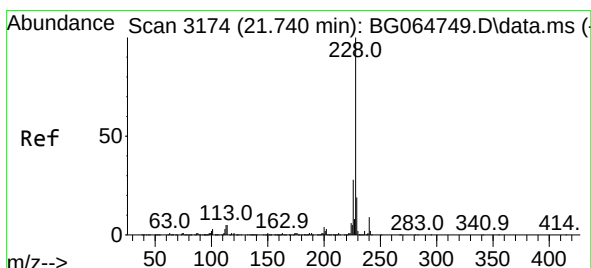
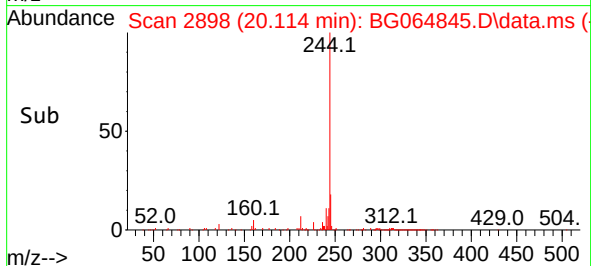
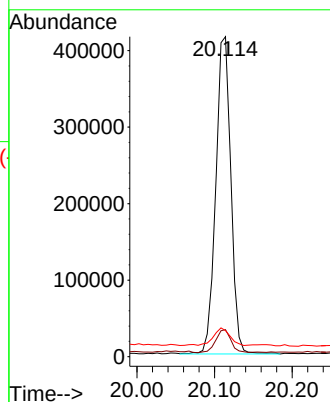
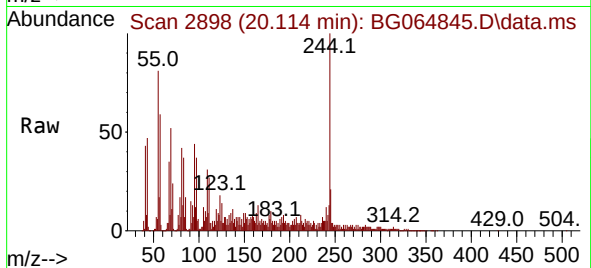
Tgt Ion:244 Resp: 559900

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.6

122 8.2 4.3 6.5#



#81

Benzo(a)anthracene

Concen: 7.110 ng

RT: 21.747 min Scan# 3176

Delta R.T. 0.008 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

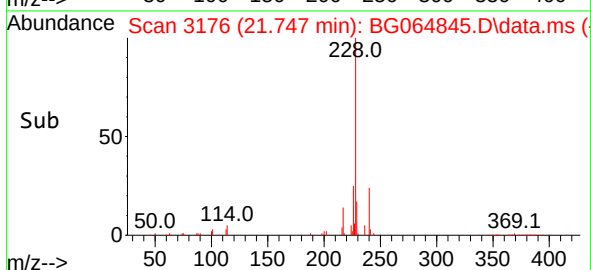
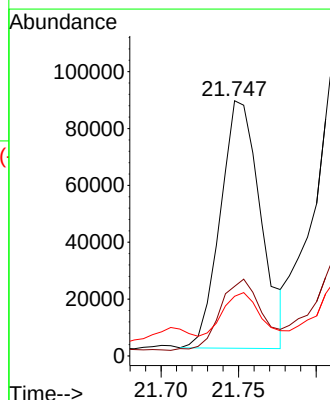
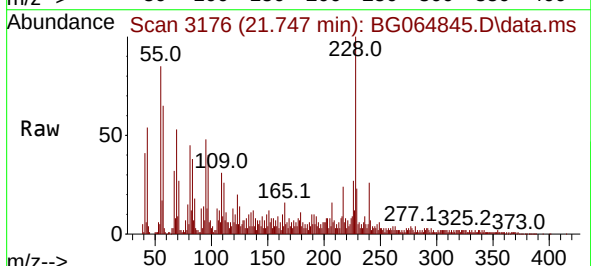
Tgt Ion:228 Resp: 157590

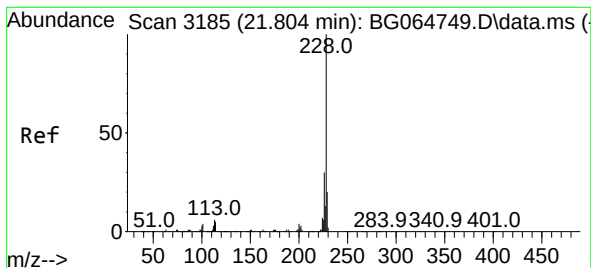
Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

229 23.4 15.5 23.3#





#83

Chrysene

Concen: 11.034 ng

RT: 21.818 min Scan# 3188

Delta R.T. 0.014 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

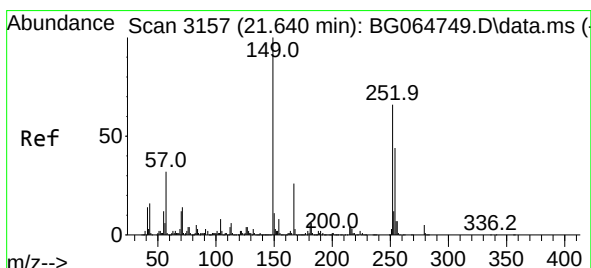
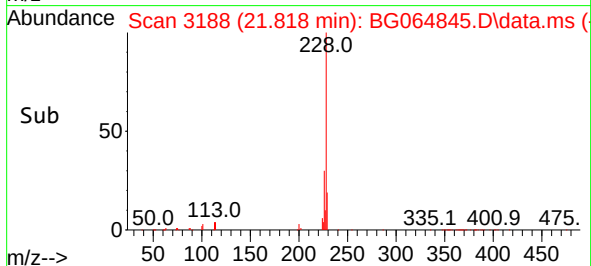
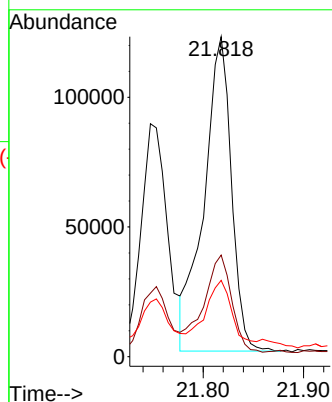
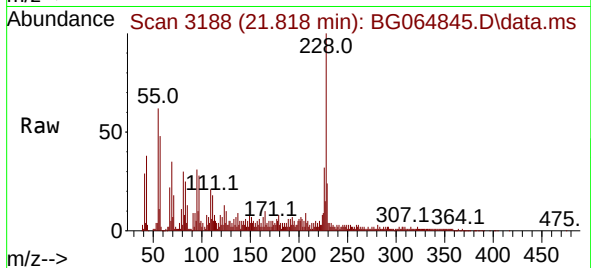
Tgt Ion:228 Resp: 230584

Ion Ratio Lower Upper

228 100

226 31.8 24.2 36.2

229 23.9 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.685 ng

RT: 21.636 min Scan# 3157

Delta R.T. -0.004 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

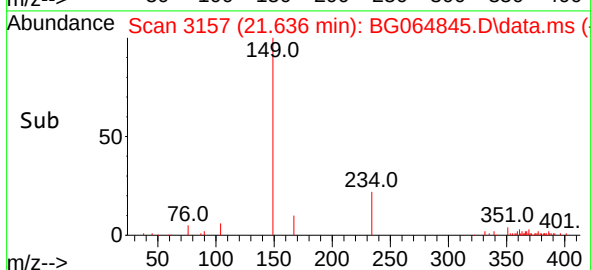
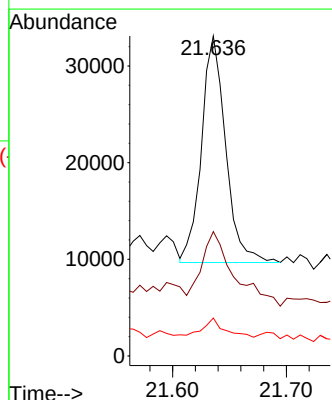
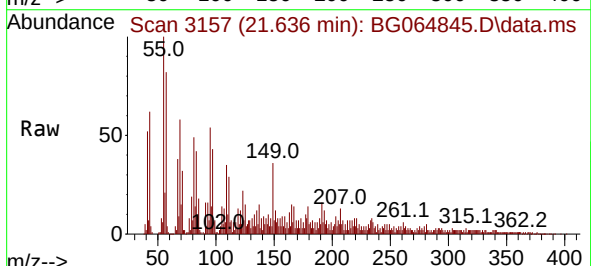
Tgt Ion:149 Resp: 34605

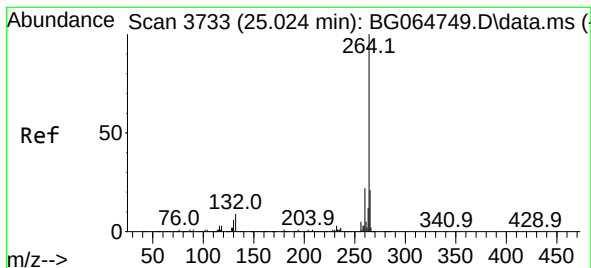
Ion Ratio Lower Upper

149 100

167 38.9 21.0 31.4#

279 11.8 4.1 6.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.014 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

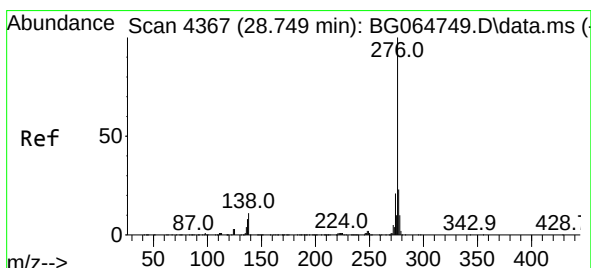
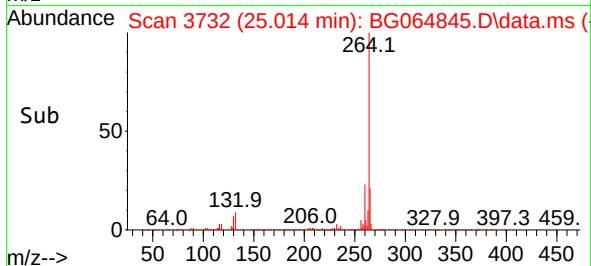
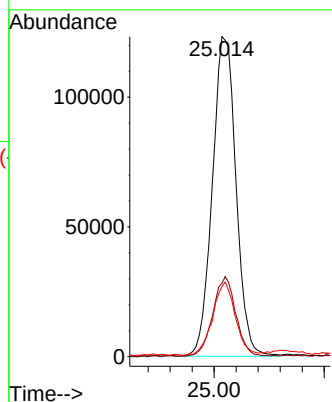
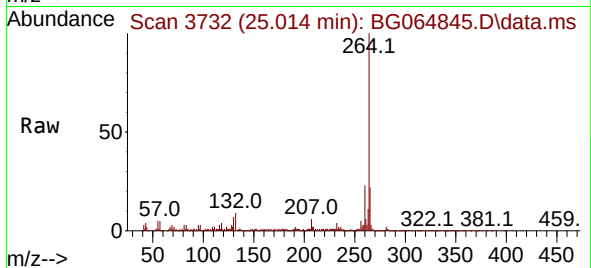
Tgt Ion:264 Resp: 366970

Ion Ratio Lower Upper

264 100

260 22.9 17.2 25.8

265 21.9 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.452 ng

RT: 28.733 min Scan# 4365

Delta R.T. -0.016 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

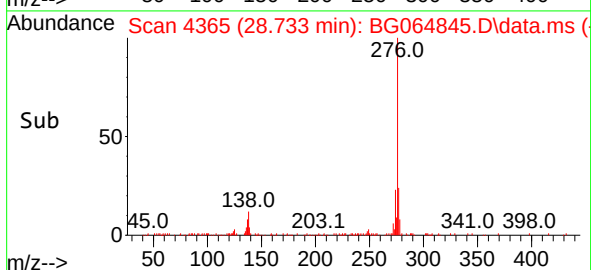
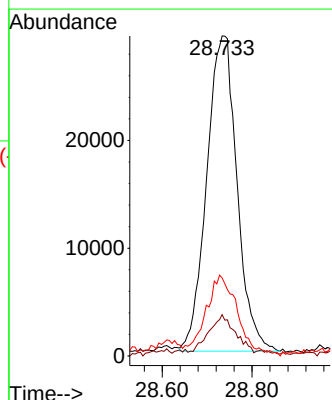
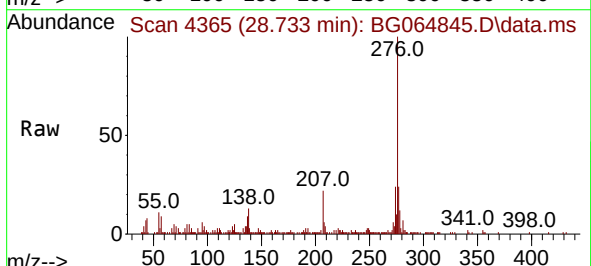
Tgt Ion:276 Resp: 137446

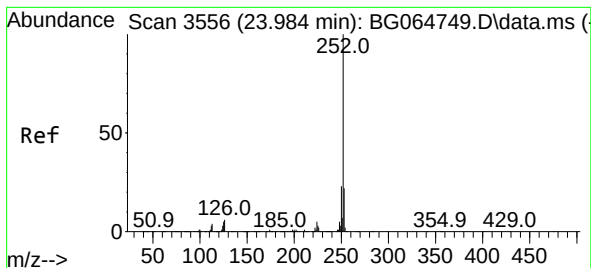
Ion Ratio Lower Upper

276 100

138 10.6 4.5 6.7#

277 26.6 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 13.109 ng

RT: 23.986 min Scan# 3557

Delta R.T. 0.002 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

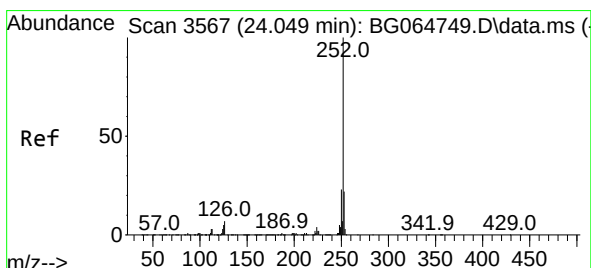
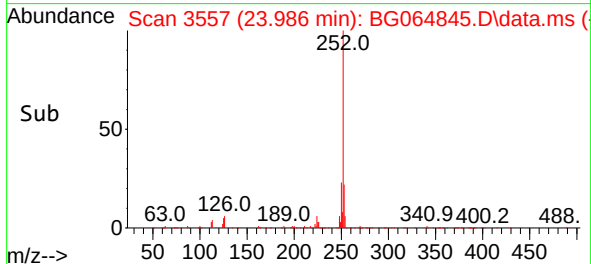
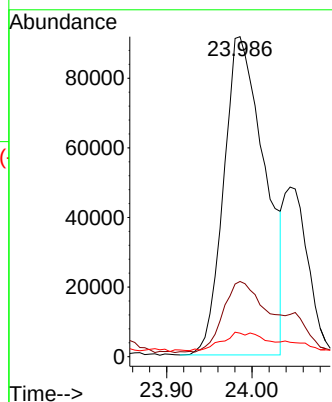
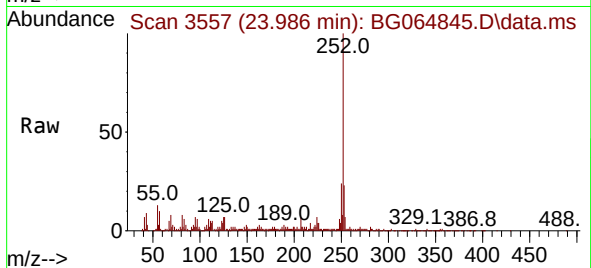
Tgt Ion:252 Resp: 306140

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 7.3 4.2 6.2#



#89

Benzo(k)fluoranthene

Concen: 13.048 ng

RT: 23.986 min Scan# 3557

Delta R.T. -0.063 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

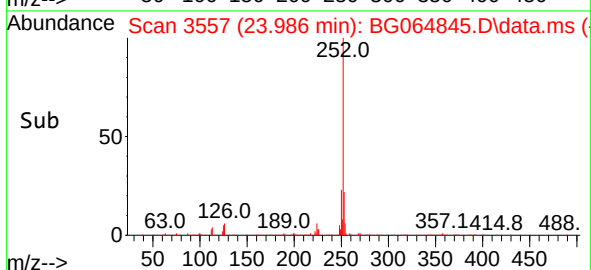
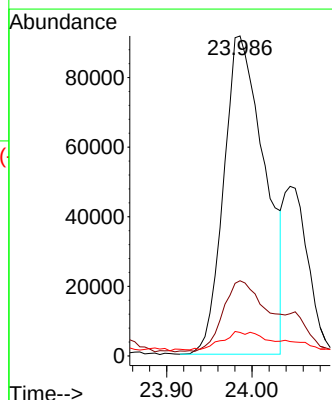
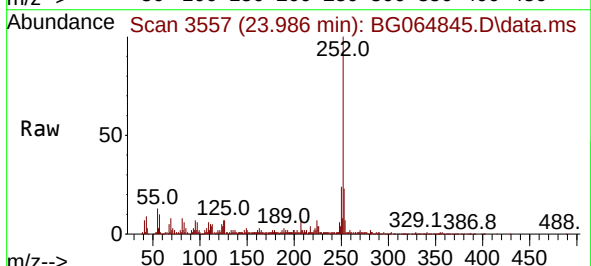
Tgt Ion:252 Resp: 306140

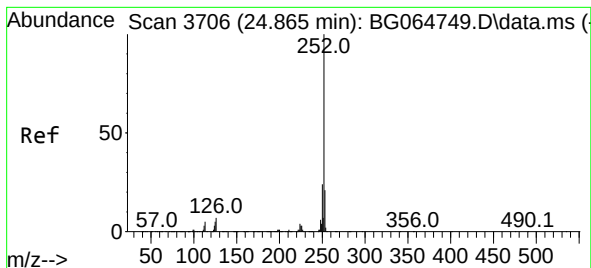
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 7.3 4.1 6.1#





#90

Benzo(a)pyrene

Concen: 7.717 ng

RT: 24.861 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Instrument :

BNA_G

ClientSampleId :

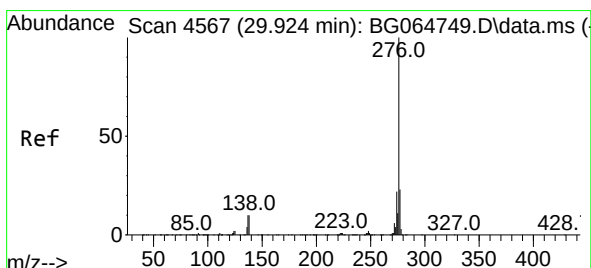
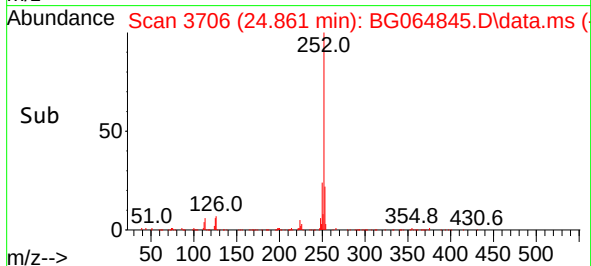
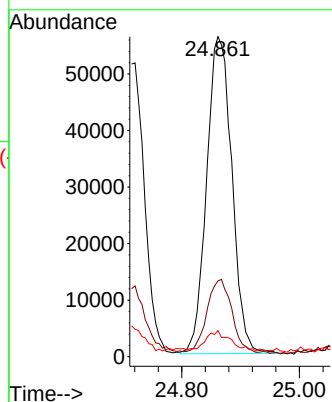
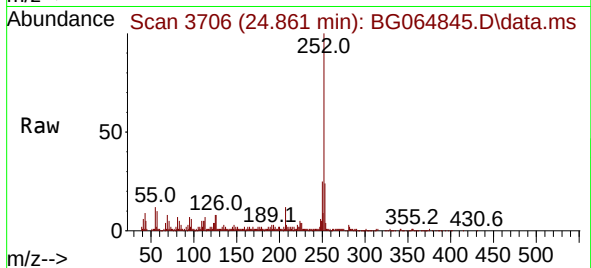
Tgt Ion:252 Resp: 167183

Ion Ratio Lower Upper

252 100

253 23.7 16.9 25.3

125 8.2 4.2 6.4#



#92

Benzo(g,h,i)perylene

Concen: 7.068 ng

RT: 29.891 min Scan# 4562

Delta R.T. -0.033 min

Lab File: BG064845.D

Acq: 21 Nov 2025 15:57

Tgt Ion:276 Resp: 140501

Ion Ratio Lower Upper

276 100

277 25.0 18.0 27.0

138 11.3 8.2 12.2

