

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064666.D
 Acq On : 31 Oct 2025 21:41
 Operator : RC/JU
 Sample : Q3486-03DL 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 23:29:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

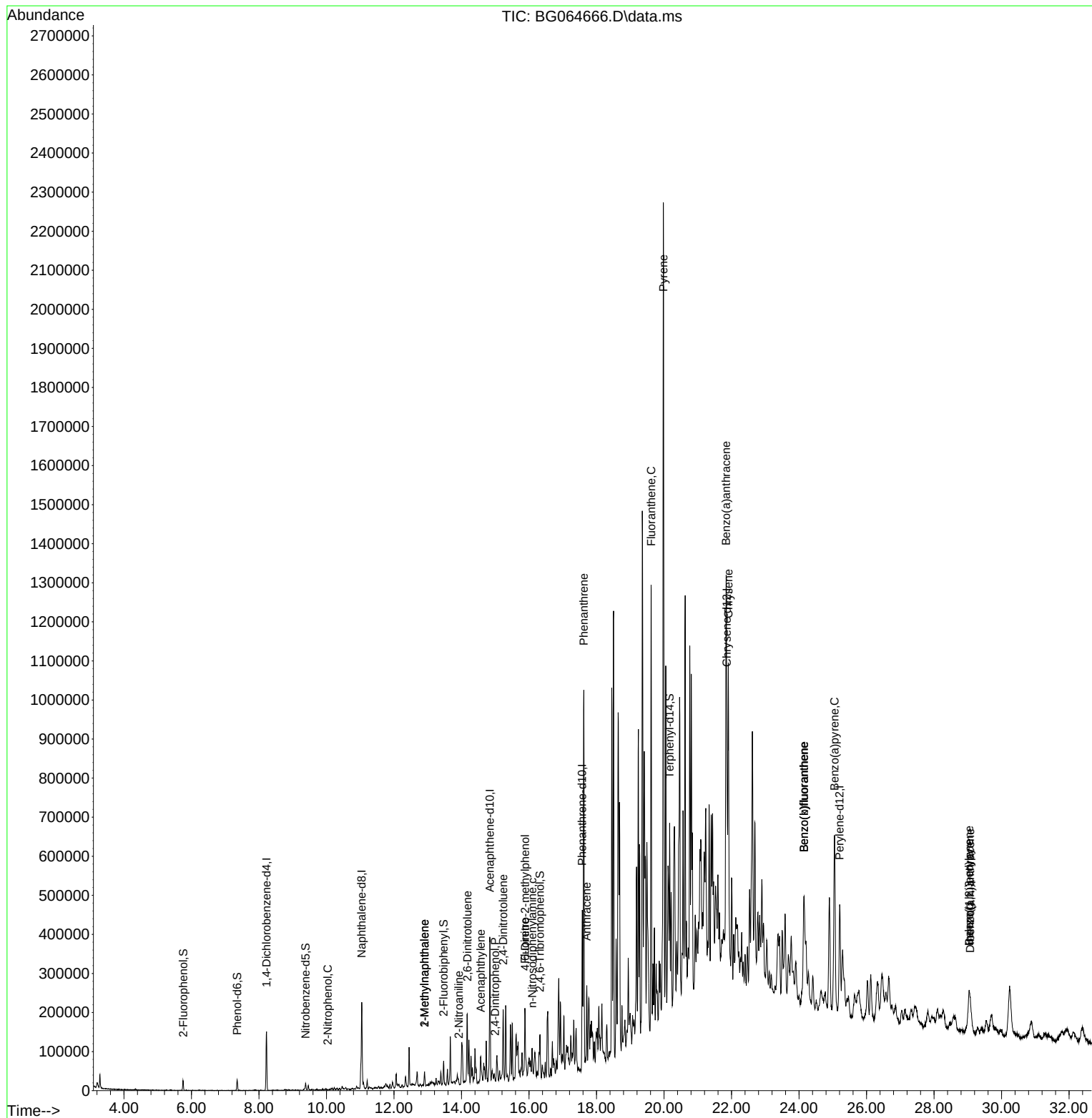
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43138	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	174679	20.000	ng	# 0.00
39) Acenaphthene-d10	14.839	164	133482	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	273344	20.000	ng	0.00
76) Chrysene-d12	21.860	240	282763	20.000	ng	# 0.00
86) Perylene-d12	25.204	264	329922	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	10055	3.912	ng	0.00
7) Phenol-d6	7.354	99	15410	4.370	ng	0.00
23) Nitrobenzene-d5	9.381	82	10061	3.459	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	8112	4.211	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	26958	3.061	ng	0.00
79) Terphenyl-d14	20.168	244	41991	2.802	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.039	139	56	3.174	ng	# 29
37) 2-Methylnaphthalene	12.906	142	16449	2.313	ng	98
38) 1-Methylnaphthalene	12.906	142	16449	2.351	ng	96
48) 2-Nitroaniline	13.923	65	188	3.298	ng	# 36
49) Acenaphthylene	14.569	152	47470	4.201	ng	# 94
51) 2,6-Dinitrotoluene	14.175	165	667	3.563	ng	# 1
54) 2,4-Dinitrophenol	14.998	184	69	5.634	ng	# 34
57) 2,4-Dinitrotoluene	15.233	165	3676	4.372	ng	# 62
58) Fluorene	15.879	166	73594	7.551	ng	96
65) 4,6-Dinitro-2-methylph...	15.885	198	57	5.469	ng	# 1
66) n-Nitrosodiphenylamine	16.097	169	17287	2.341	ng	# 74
71) Phenanthrene	17.624	178	667275	44.639	ng	99
72) Anthracene	17.712	178	141616	9.313	ng	100
75) Fluoranthene	19.622	202	662231	35.364	ng	96
78) Pyrene	19.980	202	1257347	68.059	ng	98
81) Benzo(a)anthracene	21.837	228	610138	32.543	ng	# 90
83) Chrysene	21.907	228	603350	33.821	ng	# 92
87) Indeno(1,2,3-cd)pyrene	29.040	276	210304	8.665	ng	# 89
88) Benzo(b)fluoranthene	24.146	252	426588	21.086	ng	97
89) Benzo(k)fluoranthene	24.146	252	426588	21.072	ng	95
90) Benzo(a)pyrene	25.051	252	556161	29.907	ng	97
91) Dibenzo(a,h)anthracene	29.076	278	78609	3.987	ng	# 82
92) Benzo(g,h,i)perylene	29.040	276	210304	8.665	ng	95

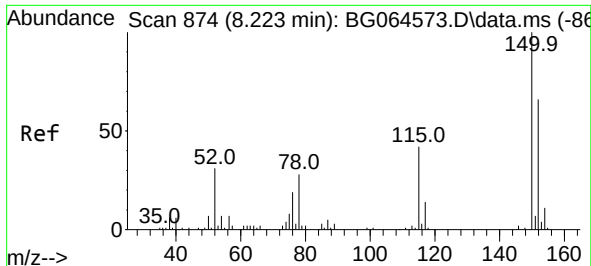
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064666.D
Acq On : 31 Oct 2025 21:41
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Sample : Q3486-03DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

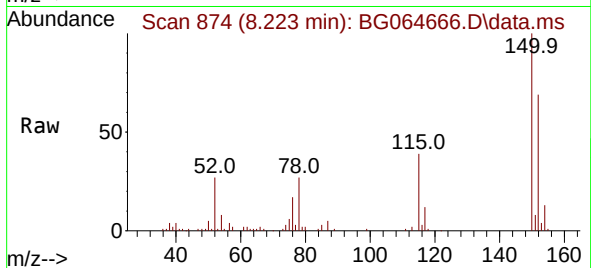
Quant Time: Oct 31 23:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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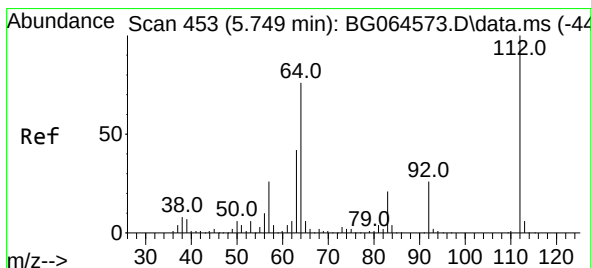
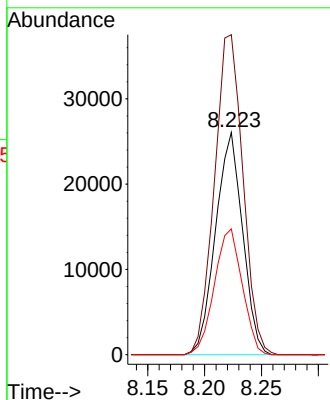
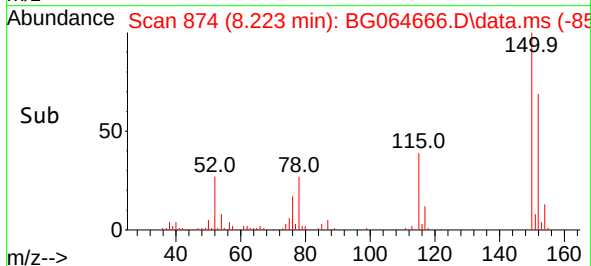


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

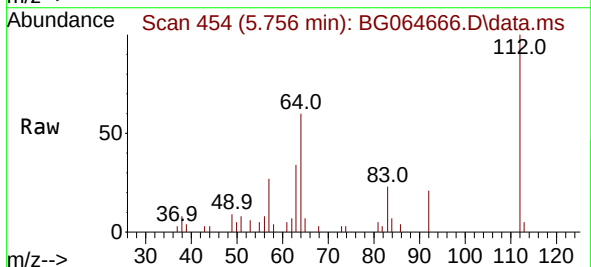
Instrument :
BNA_G
ClientSampleId :



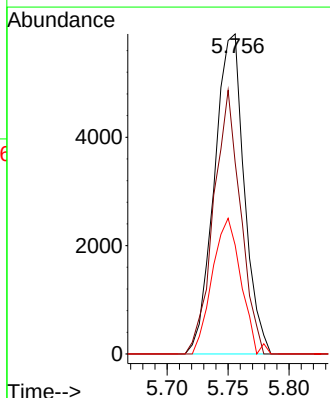
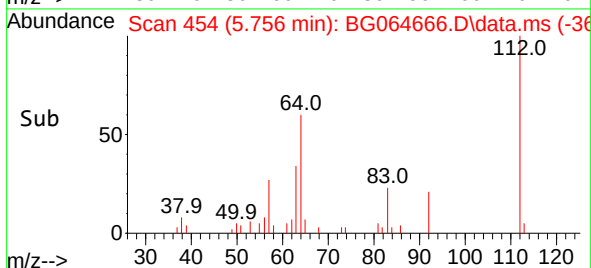
Tgt Ion:152 Resp: 43138
Ion Ratio Lower Upper
152 100
150 143.9 122.2 183.4
115 56.6 50.8 76.2

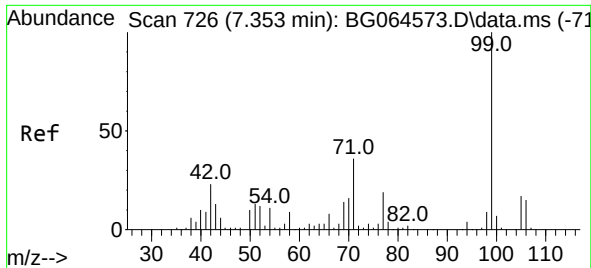


#5
2-Fluorophenol
Concen: 3.912 ng
RT: 5.756 min Scan# 454
Delta R.T. 0.009 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41



Tgt Ion:112 Resp: 10055
Ion Ratio Lower Upper
112 100
64 59.9 60.7 91.1#
63 34.0 33.4 50.0

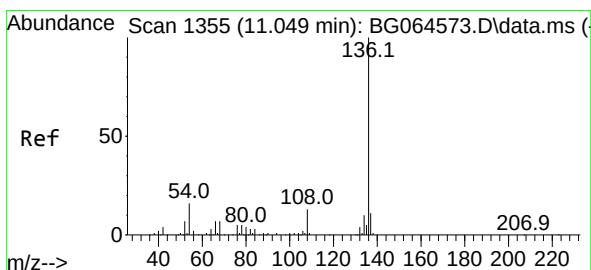
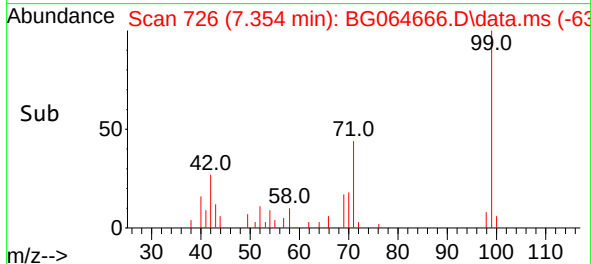
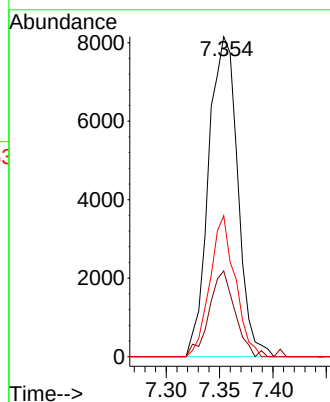
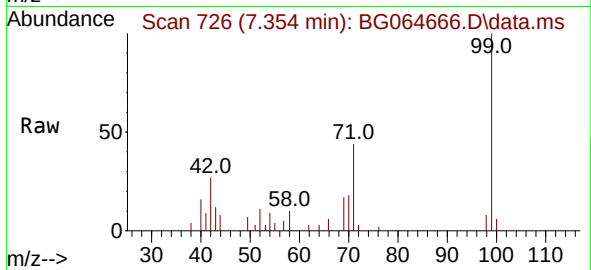




#7
Phenol-d6
Concen: 4.370 ng
RT: 7.354 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

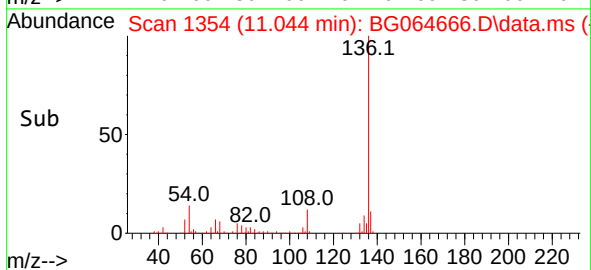
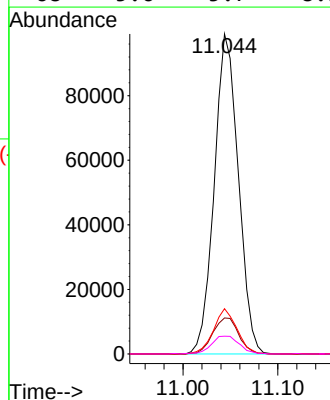
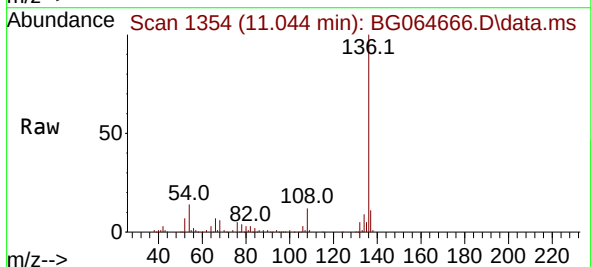
Instrument :
BNA_G
ClientSampleId :

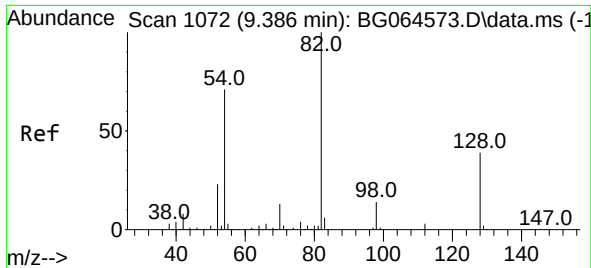
Tgt Ion: 99 Resp: 15410
Ion Ratio Lower Upper
99 100
42 26.8 18.3 27.5
71 44.0 28.6 43.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Tgt Ion:136 Resp: 174679
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 14.2 12.6 19.0
68 5.6 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 3.459 ng

RT: 9.381 min Scan# 1106

Delta R.T. -0.009 min

Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

Instrument :

BNA_G

ClientSampleId :

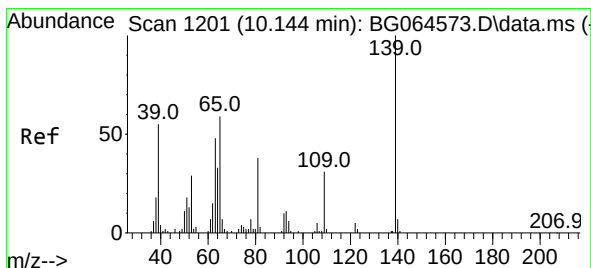
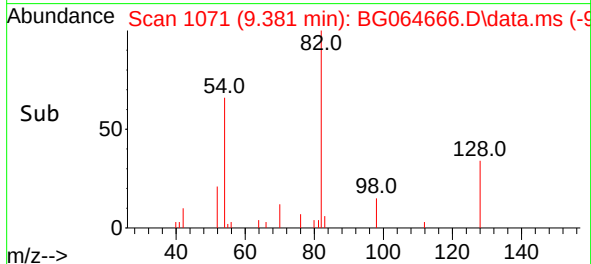
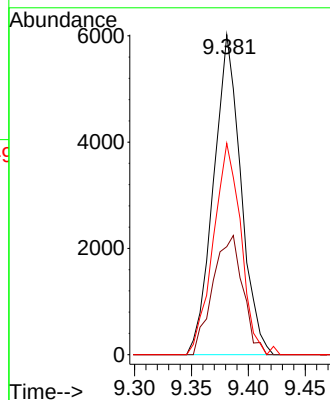
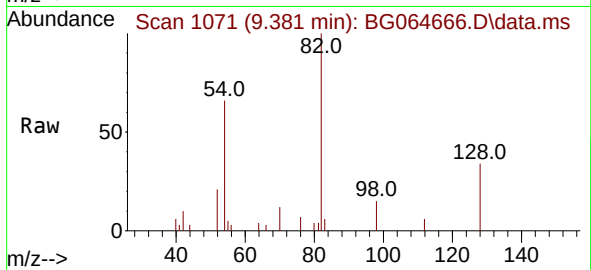
Tgt Ion: 82 Resp: 10061

Ion Ratio Lower Upper

82 100

128 33.7 31.3 46.9

54 66.1 56.6 84.8



#26

2-Nitrophenol

Concen: 3.174 ng

RT: 10.039 min Scan# 1183

Delta R.T. -0.109 min

Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

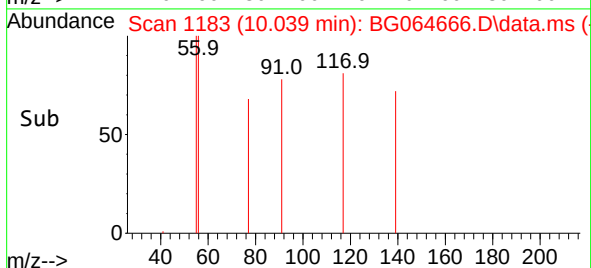
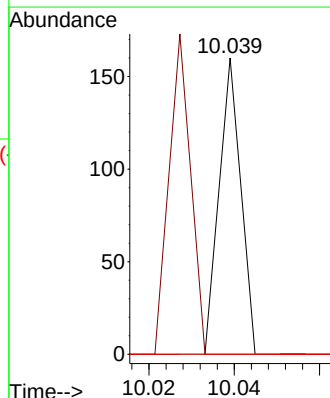
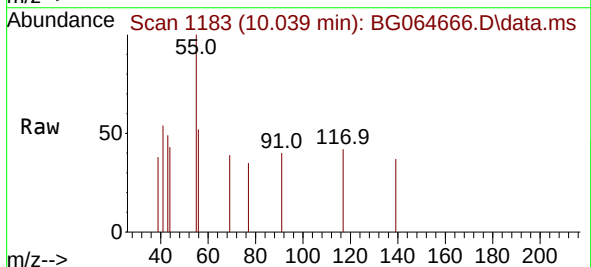
Tgt Ion:139 Resp: 56

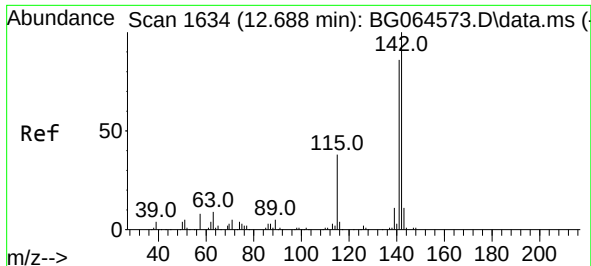
Ion Ratio Lower Upper

139 100

109 0.0 24.6 37.0#

65 0.0 47.5 71.3#





#37

2-Methylnaphthalene

Concen: 2.313 ng

RT: 12.906 min Scan# 1

Delta R.T. 0.214 min

Lab File: BG064666.D

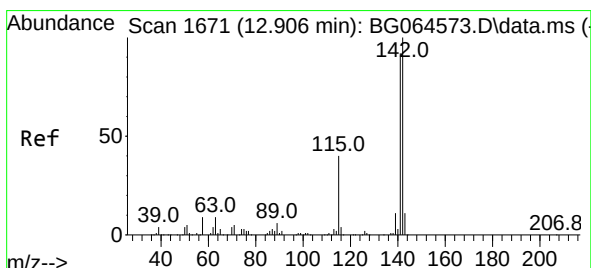
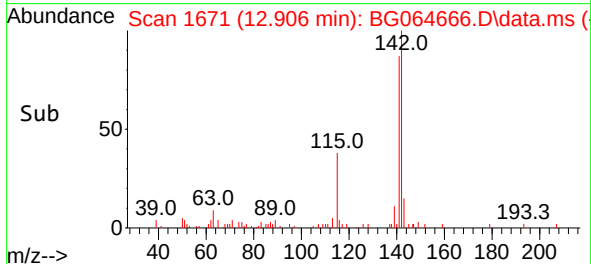
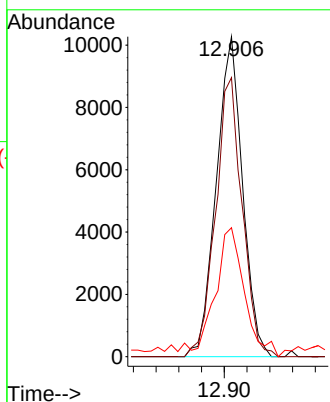
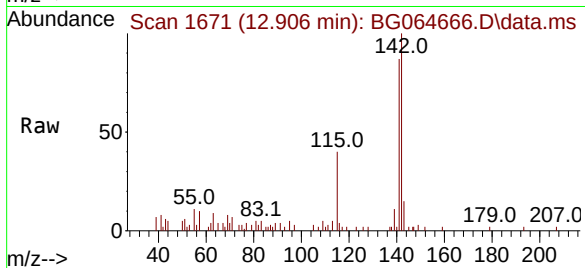
Acq: 31 Oct 2025 21:41

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:142	Resp:	16449
Ion Ratio	Lower	Upper
142	100	
141	87.2	68.9 103.3
115	40.3	30.6 46.0



#38

1-Methylnaphthalene

Concen: 2.351 ng

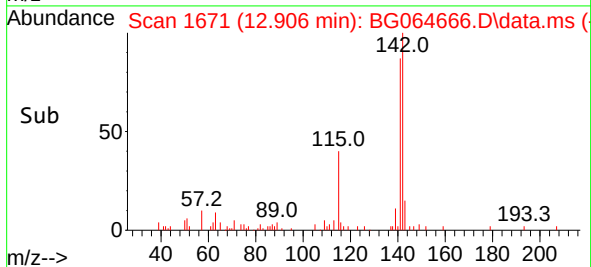
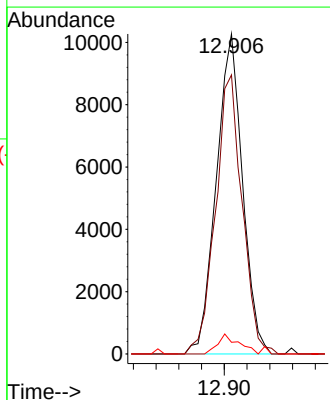
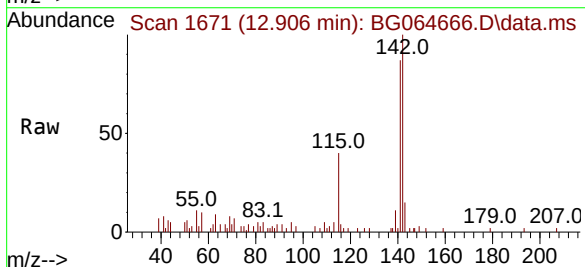
RT: 12.906 min Scan# 1671

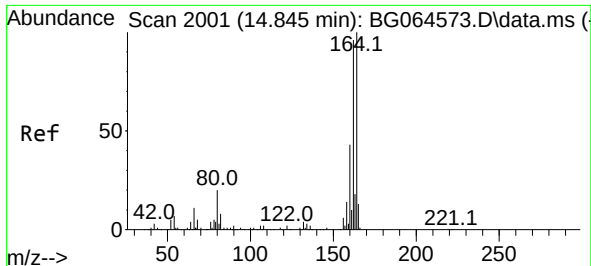
Delta R.T. -0.003 min

Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

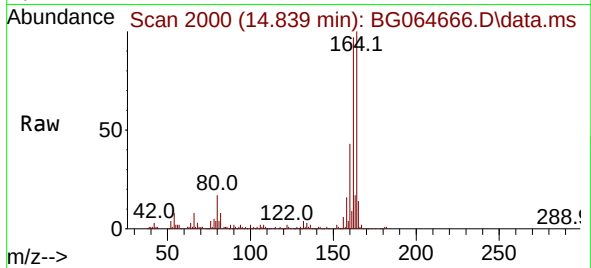
Tgt Ion:142	Resp:	16449
Ion Ratio	Lower	Upper
142	100	
141	87.2	73.3 109.9
116	3.6	3.1 4.7



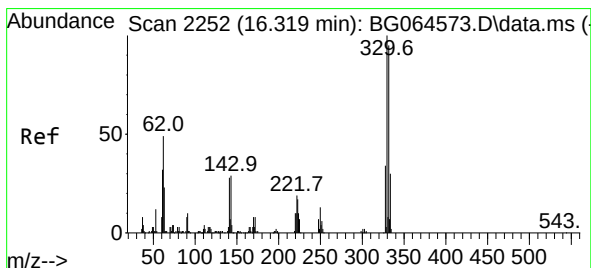
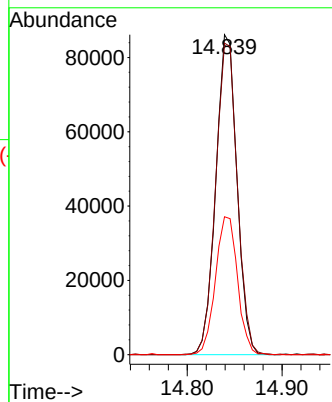
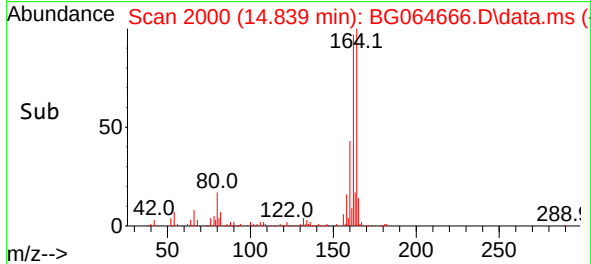


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

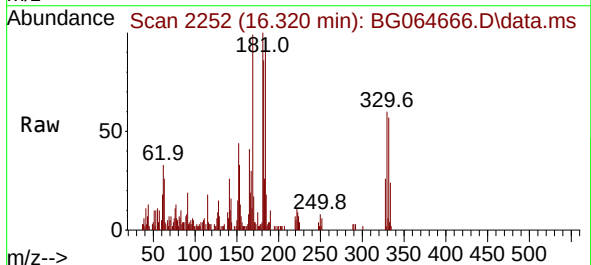
Instrument :
BNA_G
ClientSampleId :



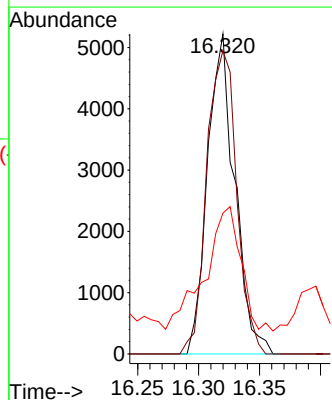
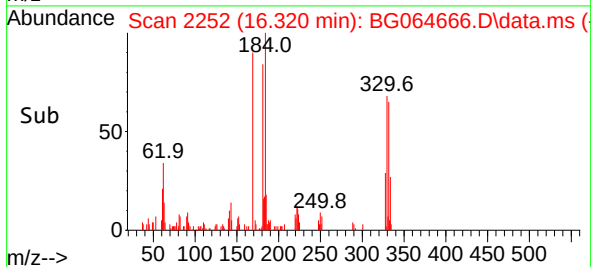
Tgt Ion:164 Resp: 133482
Ion Ratio Lower Upper
164 100
162 97.4 77.0 115.6
160 43.1 34.4 51.6

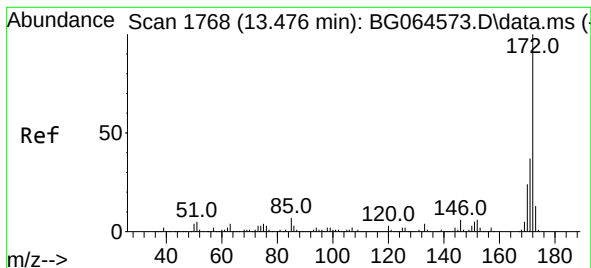


#42
2,4,6-Tribromophenol
Concen: 4.211 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41



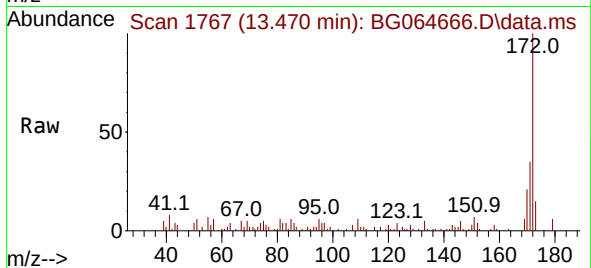
Tgt Ion:330 Resp: 8112
Ion Ratio Lower Upper
330 100
332 103.9 78.0 117.0
141 51.5 21.8 32.6#



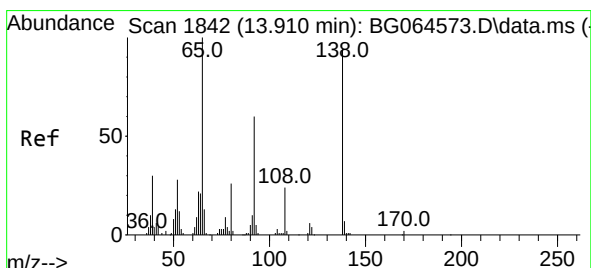
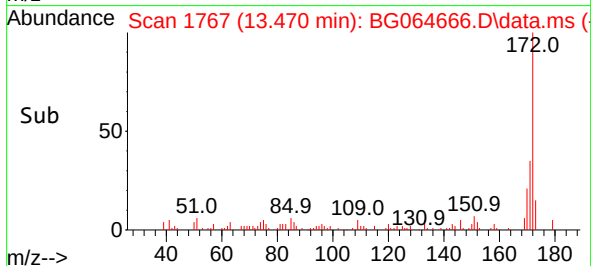
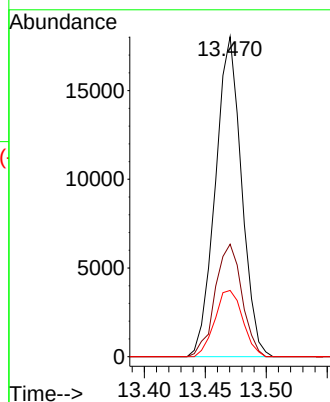


#45
2-Fluorobiphenyl
Concen: 3.061 ng
RT: 13.470 min Scan# 1768
Delta R.T. -0.009 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Instrument :
BNA_G
ClientSampleId :

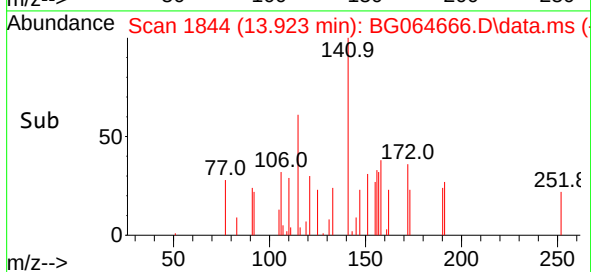
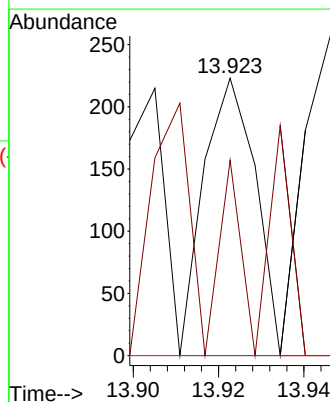
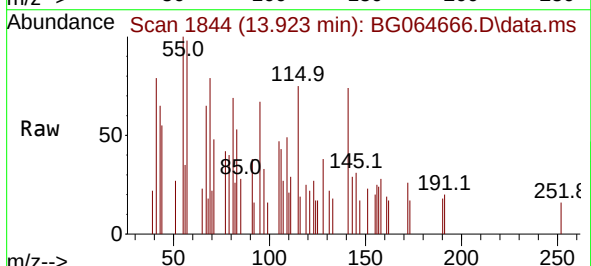


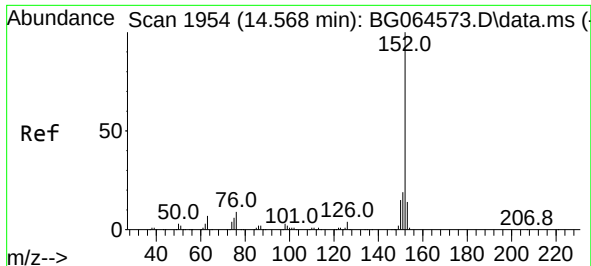
Tgt Ion:172 Resp: 26958
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.0
170 20.7 19.1 28.7



#48
2-Nitroaniline
Concen: 3.298 ng
RT: 13.923 min Scan# 1844
Delta R.T. 0.009 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Tgt Ion: 65 Resp: 188
Ion Ratio Lower Upper
65 100
92 70.4 48.3 72.5
138 0.0 74.9 112.3#





#49

Acenaphthylene

Concen: 4.201 ng

RT: 14.569 min Scan# 1954

Delta R.T. 0.003 min

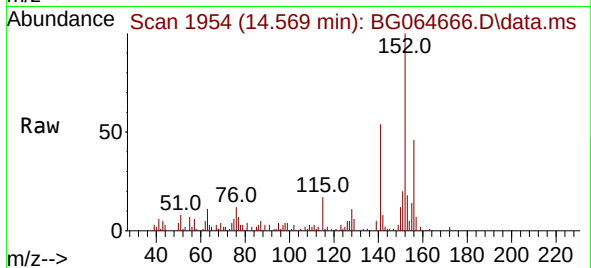
Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

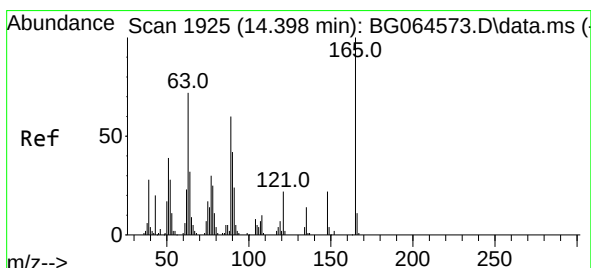
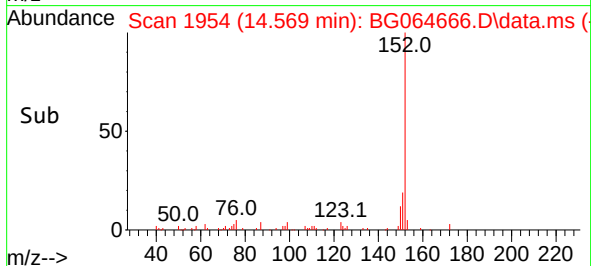
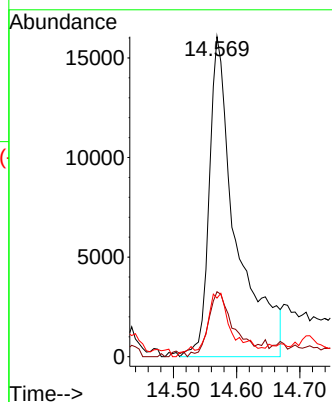
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	152	Resp:	47470
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.4	23.2
153	18.3	11.0	16.4



#51

2,6-Dinitrotoluene

Concen: 3.563 ng

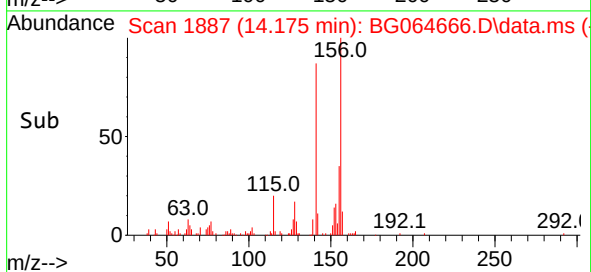
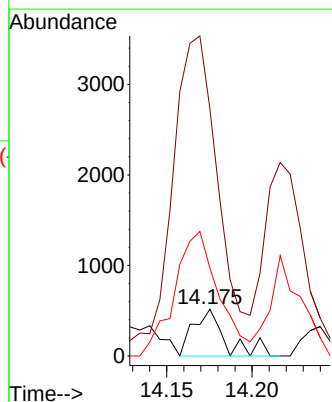
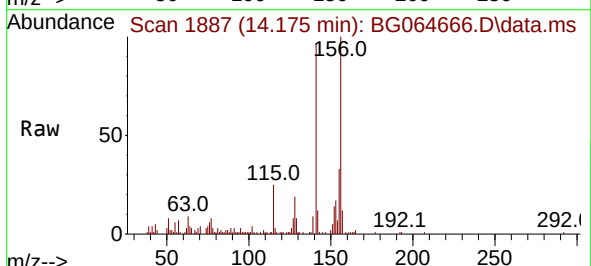
RT: 14.175 min Scan# 1887

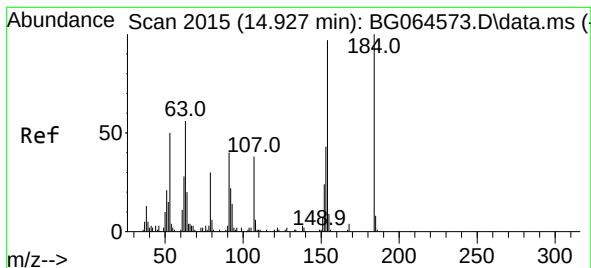
Delta R.T. -0.227 min

Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

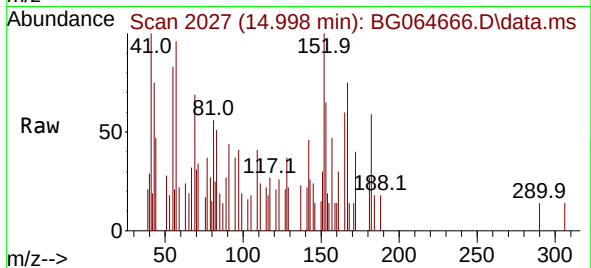
Tgt Ion:	165	Resp:	667
Ion Ratio	Lower	Upper	
165	100		
63	527.7	57.4	86.0
89	187.8	47.8	71.8



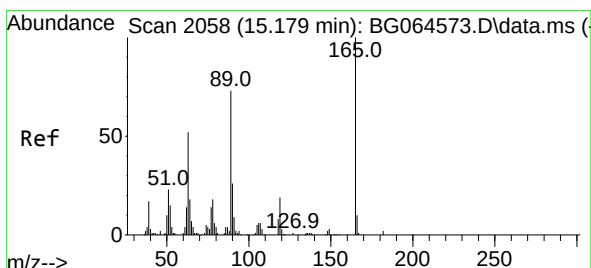
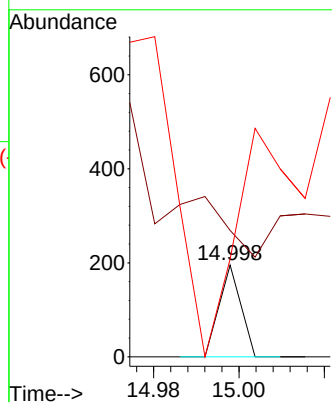
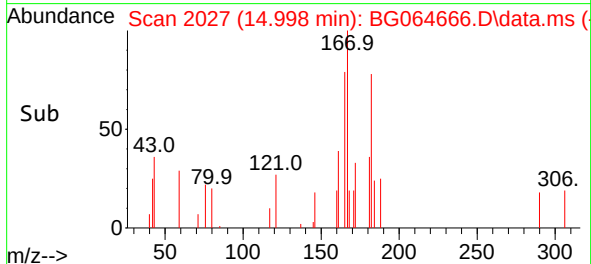


#54
2,4-Dinitrophenol
Concen: 5.634 ng
RT: 14.998 min Scan# 2067
Delta R.T. 0.068 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

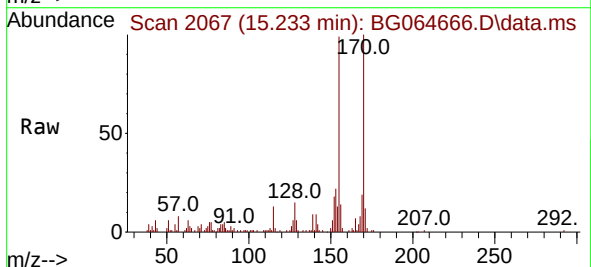
Instrument :
BNA_G
ClientSampleId :



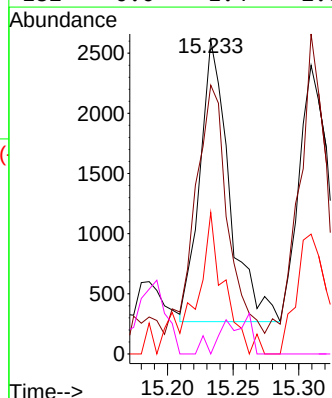
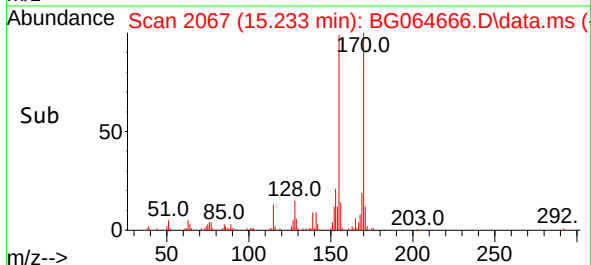
Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 137.9 56.6 85.0#
154 106.7 158.6 238.0#

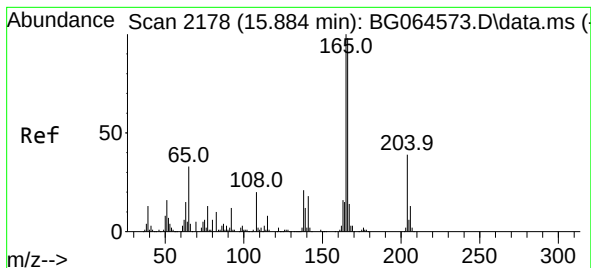


#57
2,4-Dinitrotoluene
Concen: 4.372 ng
RT: 15.233 min Scan# 2067
Delta R.T. 0.044 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41



Tgt Ion:165 Resp: 3676
Ion Ratio Lower Upper
165 100
63 85.7 41.8 62.8#
89 45.1 58.1 87.1#
182 0.0 1.4 2.0#





#58

Fluorene

Concen: 7.551 ng

RT: 15.879 min Scan# 2177

Delta R.T. -0.009 min

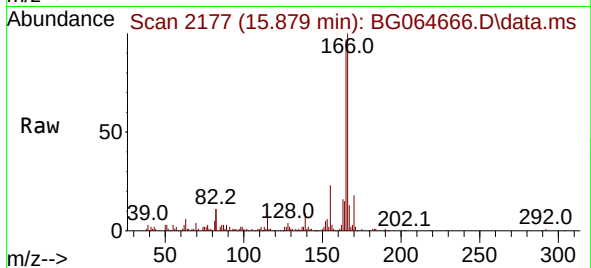
Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

Instrument :

BNA_G

ClientSampleId :



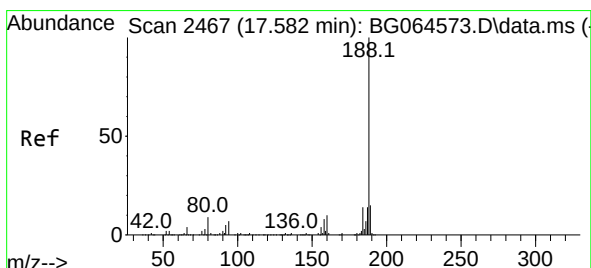
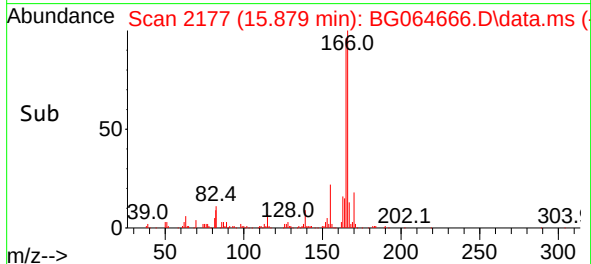
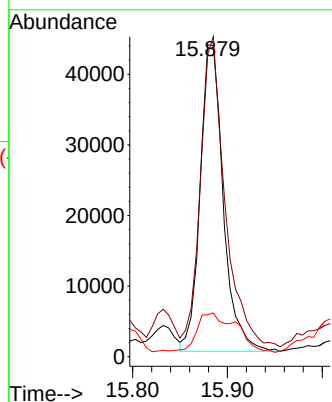
Tgt Ion:166 Resp: 73594

Ion Ratio Lower Upper

166 100

165 97.0 81.5 122.3

167 13.5 11.4 17.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.577 min Scan# 2466

Delta R.T. -0.003 min

Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

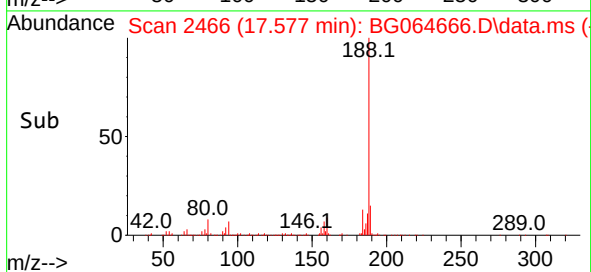
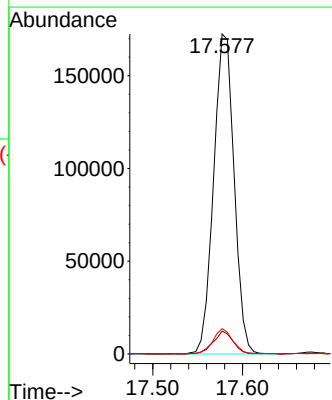
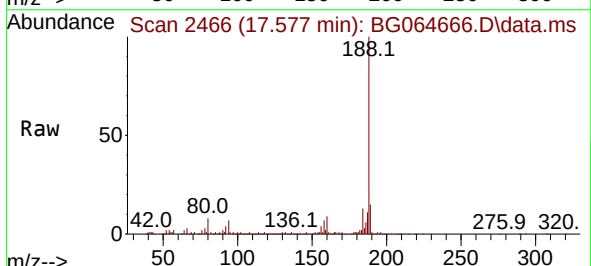
Tgt Ion:188 Resp: 273344

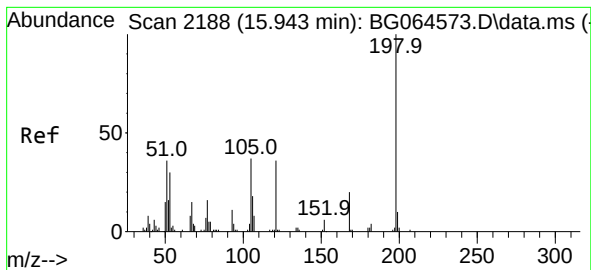
Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

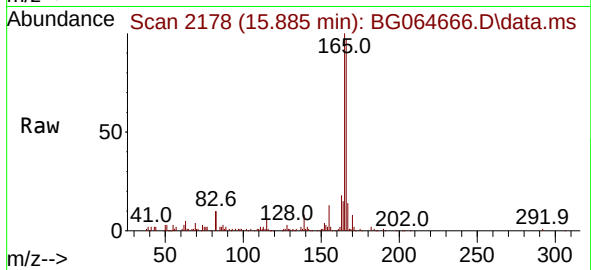
80 7.9 6.8 10.2



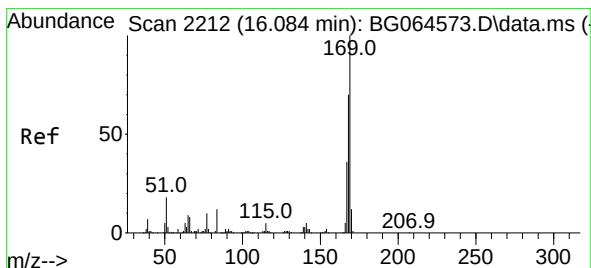
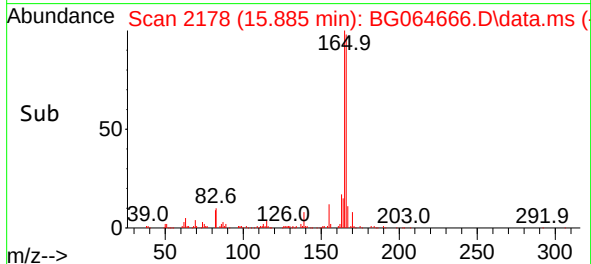
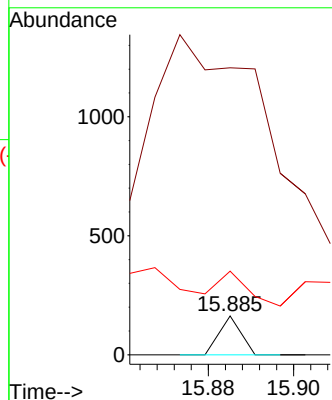


#65
4,6-Dinitro-2-methylphenol
Concen: 5.469 ng
RT: 15.885 min Scan# 2188
Delta R.T. -0.062 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Instrument :
BNA_G
ClientSampleId :

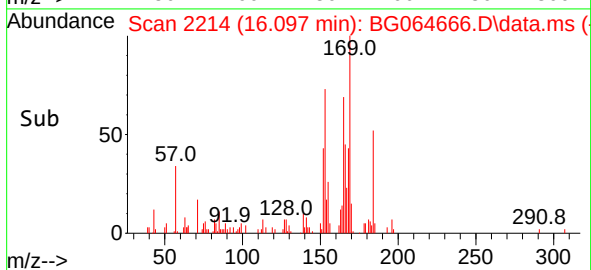
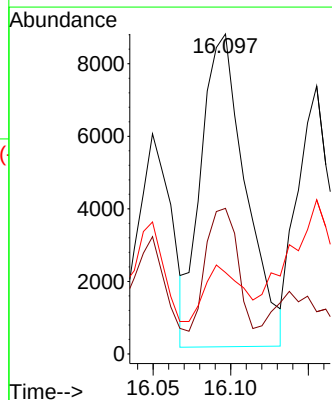
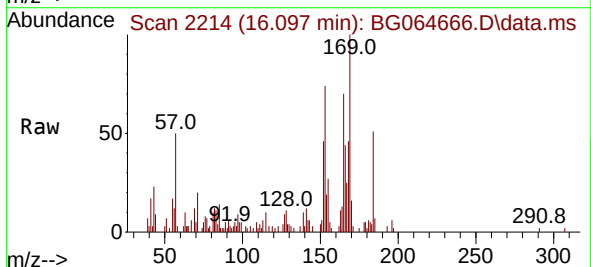


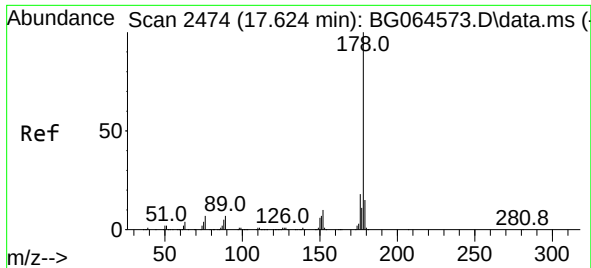
Tgt Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 739.9 24.7 64.7#
105 215.3 18.0 58.0#



#66
n-Nitrosodiphenylamine
Concen: 2.341 ng
RT: 16.097 min Scan# 2214
Delta R.T. 0.009 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Tgt Ion:169 Resp: 17287
Ion Ratio Lower Upper
169 100
168 45.5 56.3 84.5#
167 25.5 29.0 43.6#

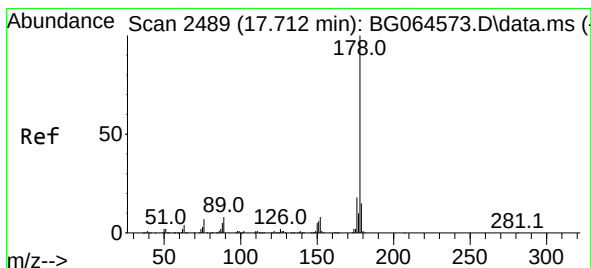
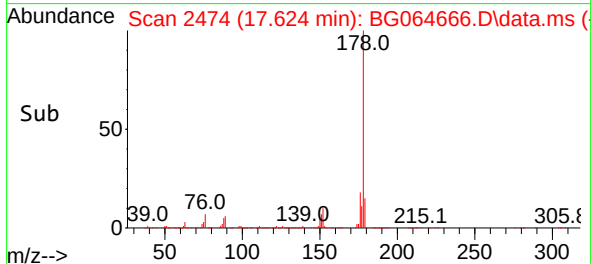
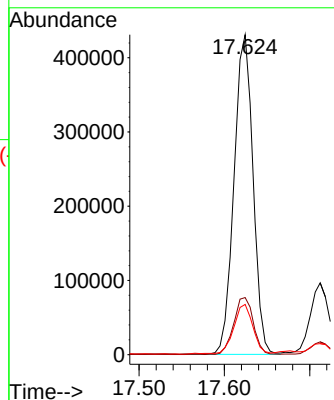
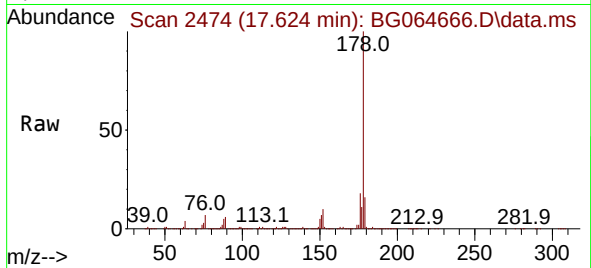




#71
Phenanthrene
Concen: 44.639 ng
RT: 17.624 min Scan# 2474
Delta R.T. -0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

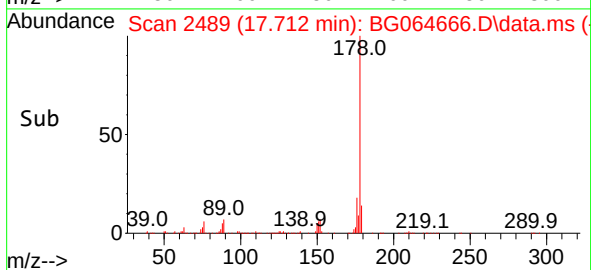
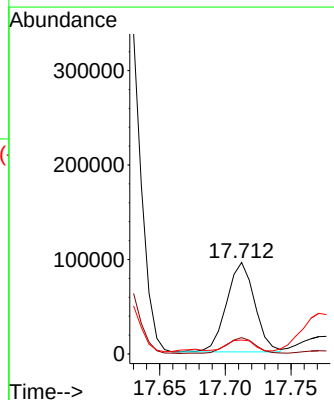
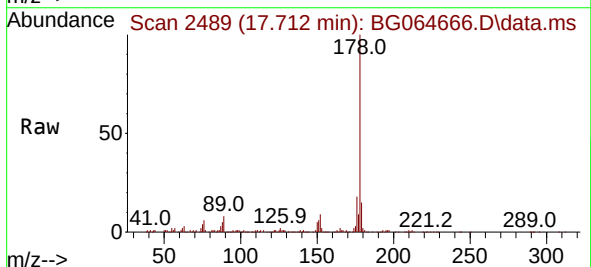
Instrument :
BNA_G
ClientSampleId :

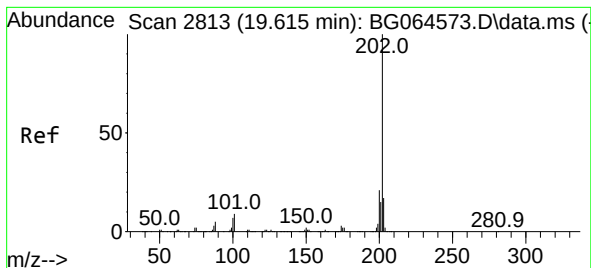
Tgt Ion:178 Resp: 667275
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 15.7 12.2 18.4



#72
Anthracene
Concen: 9.313 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Tgt Ion:178 Resp: 141616
Ion Ratio Lower Upper
178 100
176 17.9 14.4 21.6
179 15.3 12.4 18.6





#75

Fluoranthene

Concen: 35.364 ng

RT: 19.622 min Scan# 21

Delta R.T. 0.003 min

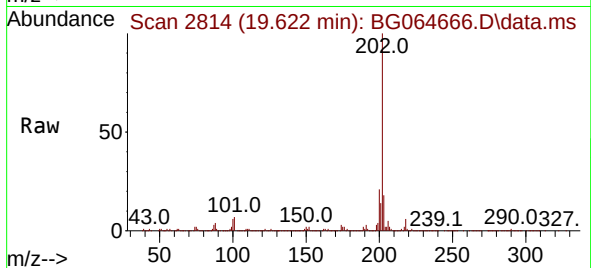
Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

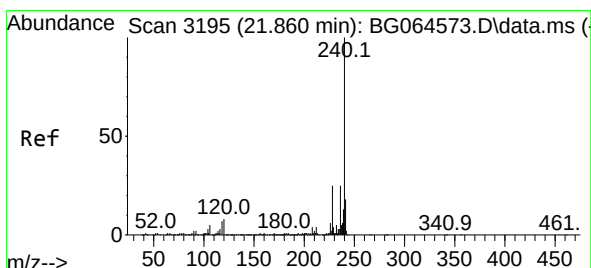
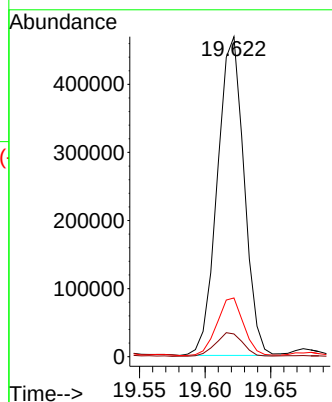
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	202	Resp:	662231
Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	28.7
203	18.3	0.0	37.0



#76

Chrysene-d12

Concen: 20.000 ng

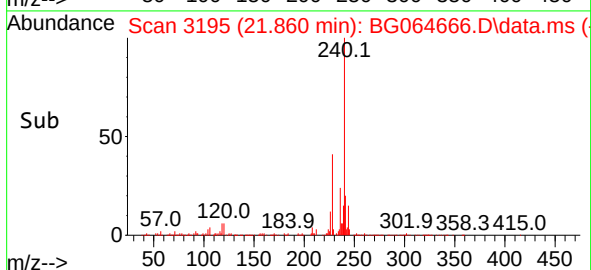
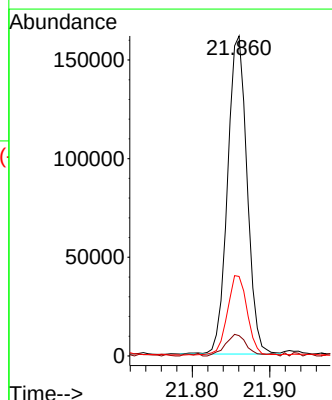
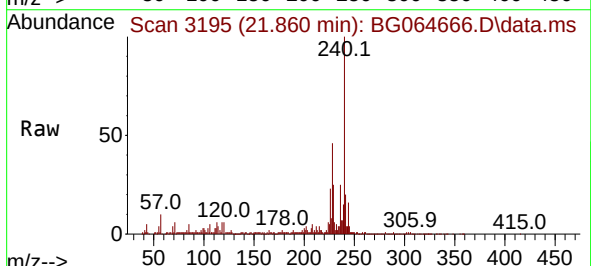
RT: 21.860 min Scan# 3195

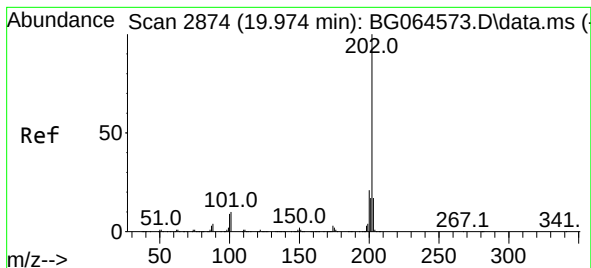
Delta R.T. -0.003 min

Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

Tgt Ion:	240	Resp:	282763
Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.5	9.7#
236	24.8	20.2	30.2





#78

Pyrene

Concen: 68.059 ng

RT: 19.980 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

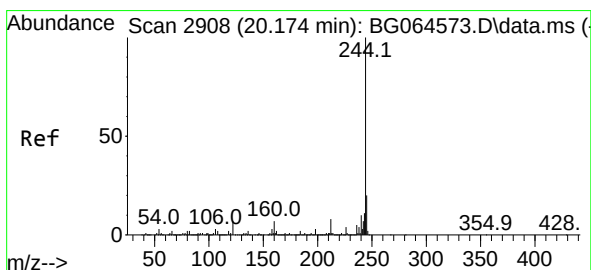
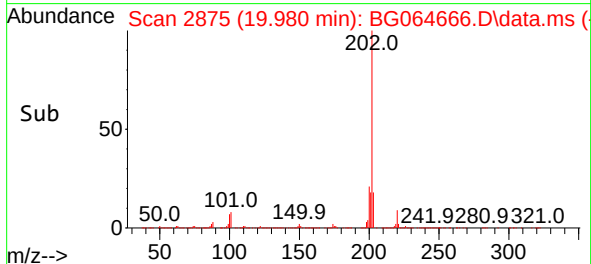
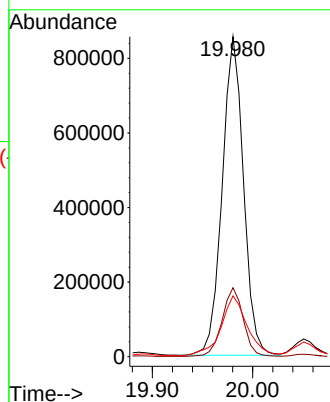
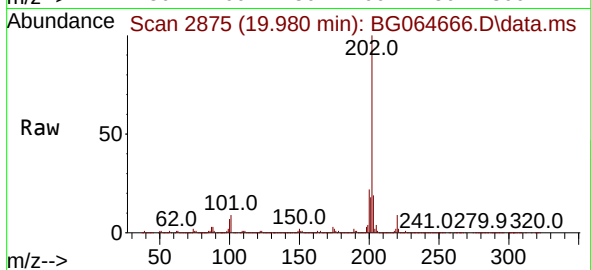
Instrument :

BNA_G

ClientSampleId :

Tgt Ion:202 Resp: 1257347

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	19.0	13.8	20.6



#79

Terphenyl-d14

Concen: 2.802 ng

RT: 20.168 min Scan# 2907

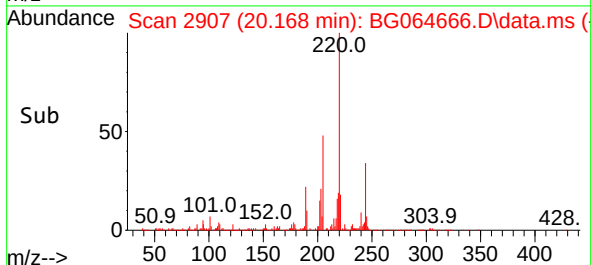
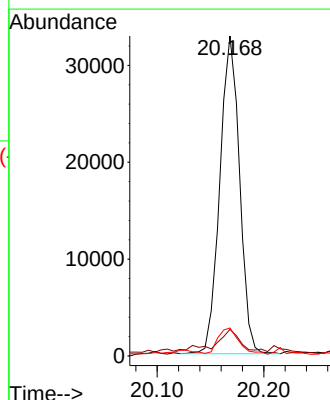
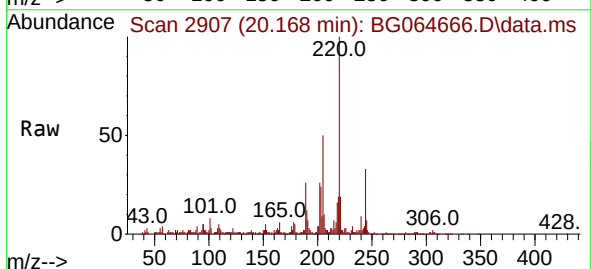
Delta R.T. -0.009 min

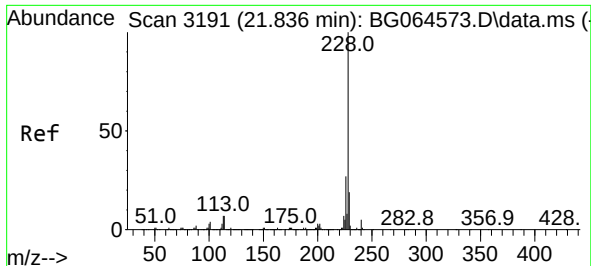
Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

Tgt Ion:244 Resp: 41991

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.1	9.1
122	8.8	5.6	8.4

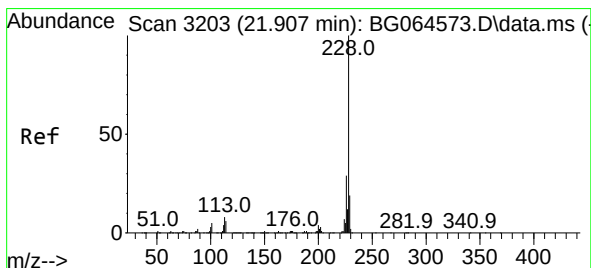
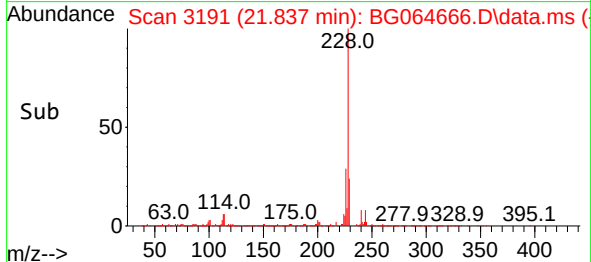
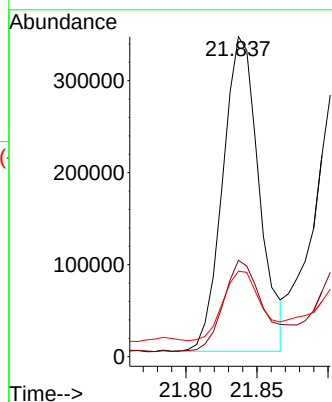
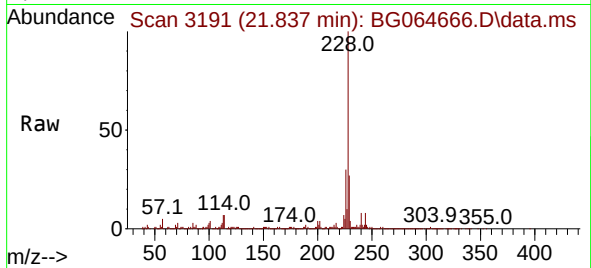




#81
Benzo(a)anthracene
Concen: 32.543 ng
RT: 21.837 min Scan# 3191
Delta R.T. -0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

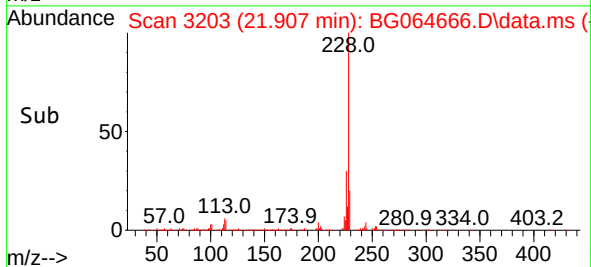
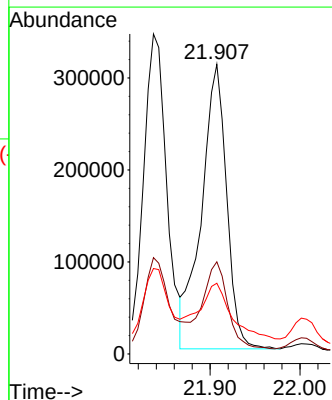
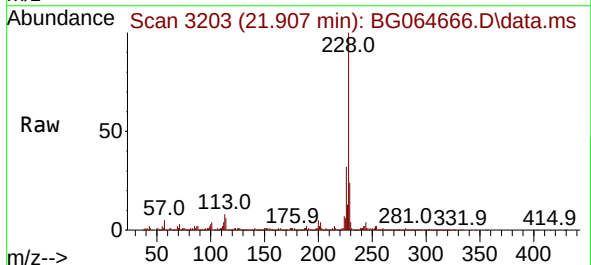
Instrument :
BNA_G
ClientSampleId :

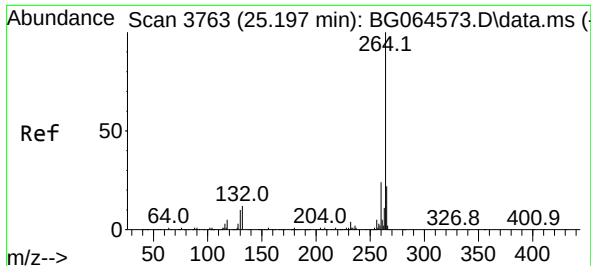
Tgt Ion:228 Resp: 610138
Ion Ratio Lower Upper
228 100
226 30.1 21.9 32.9
229 26.7 15.6 23.4#



#83
Chrysene
Concen: 33.821 ng
RT: 21.907 min Scan# 3203
Delta R.T. -0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Tgt Ion:228 Resp: 603350
Ion Ratio Lower Upper
228 100
226 31.8 23.3 34.9
229 24.4 15.2 22.8#

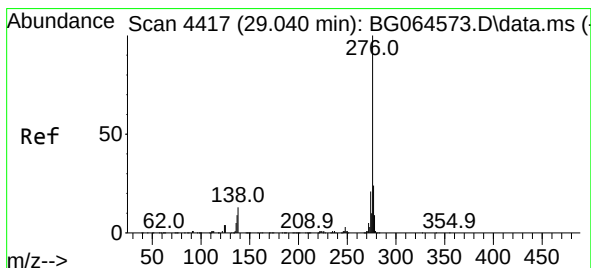
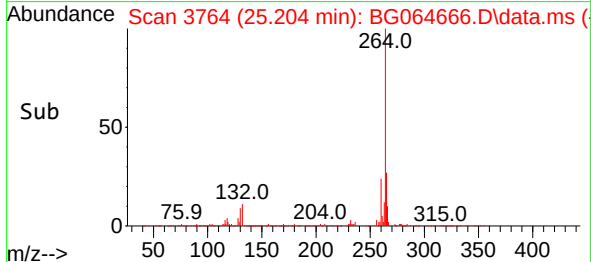
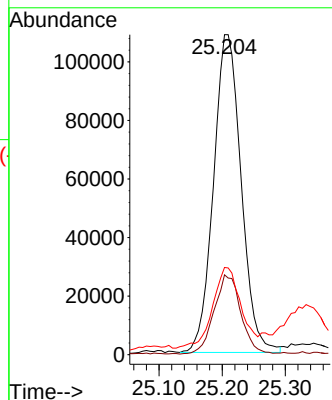
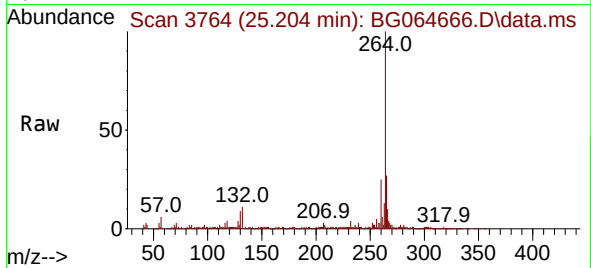




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.204 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

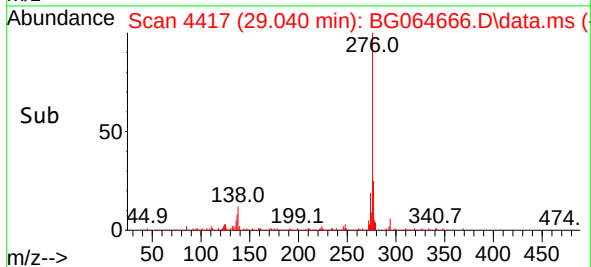
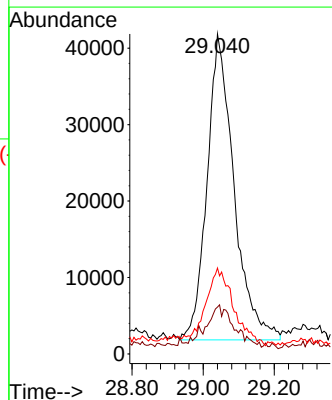
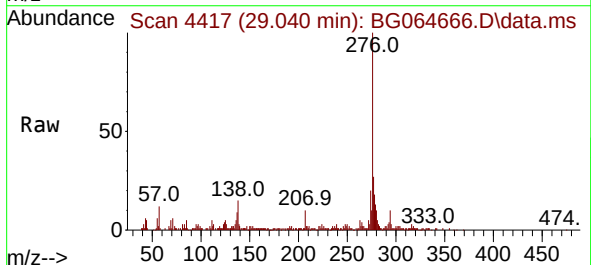
Instrument :
BNA_G
ClientSampleId :

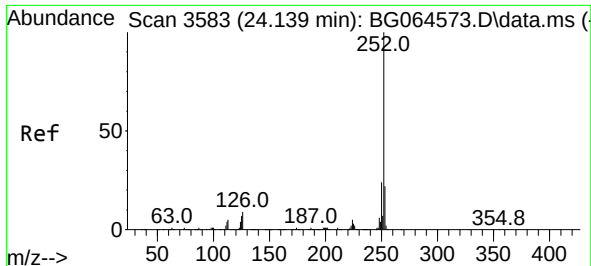
Tgt Ion:264 Resp: 329922
Ion Ratio Lower Upper
264 100
260 25.0 19.0 28.4
265 27.2 17.6 26.4#



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.665 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Tgt Ion:276 Resp: 210304
Ion Ratio Lower Upper
276 100
138 3.5 10.8 16.2#
277 27.1 20.1 30.1

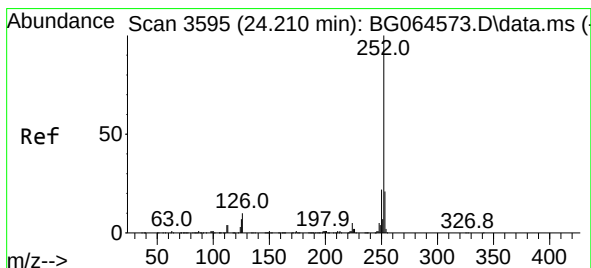
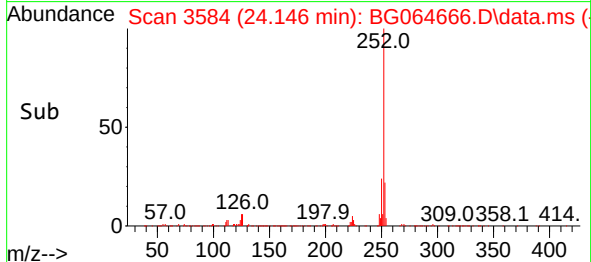
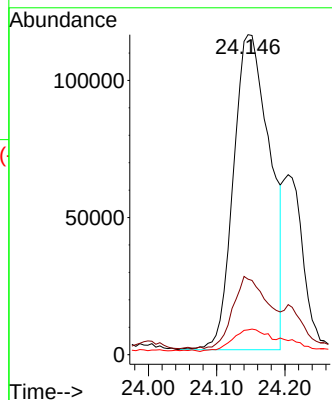
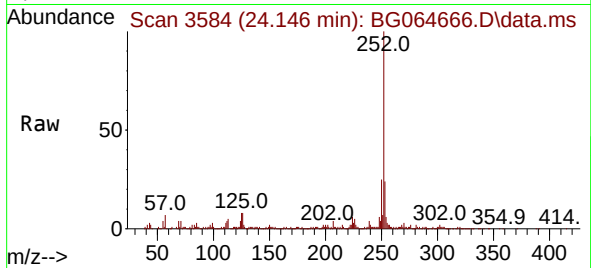




#88
Benzo(b)fluoranthene
Concen: 21.086 ng
RT: 24.146 min Scan# 3583
Delta R.T. 0.003 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

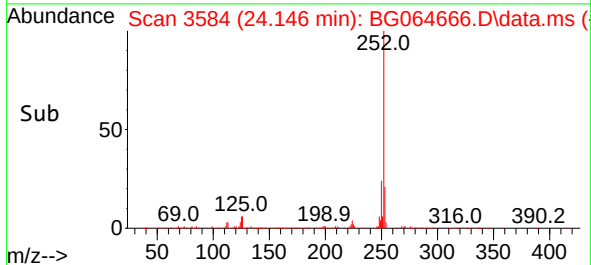
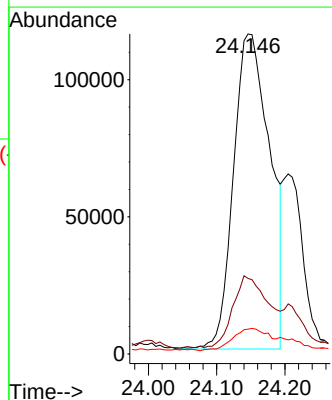
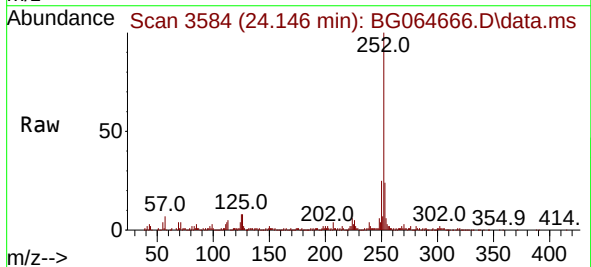
Instrument :
BNA_G
ClientSampleId :

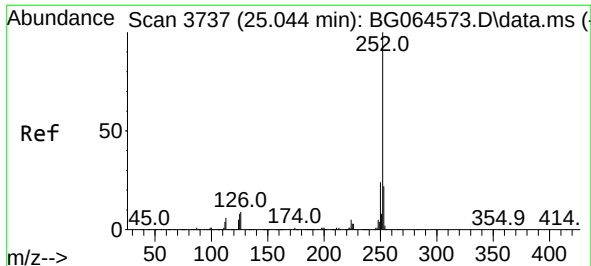
Tgt Ion:252 Resp: 426588
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 7.7 5.6 8.4



#89
Benzo(k)fluoranthene
Concen: 21.072 ng
RT: 24.146 min Scan# 3584
Delta R.T. -0.073 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Tgt Ion:252 Resp: 426588
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 7.7 5.4 8.0

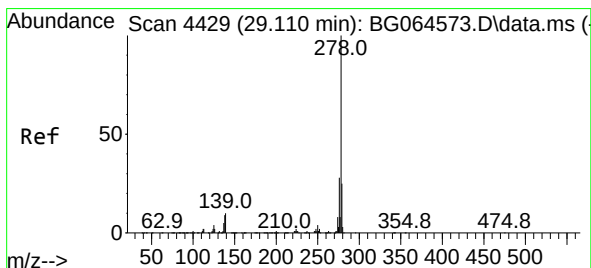
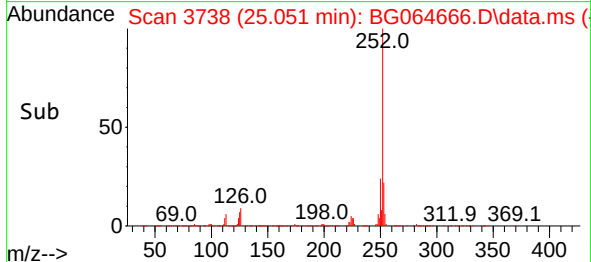
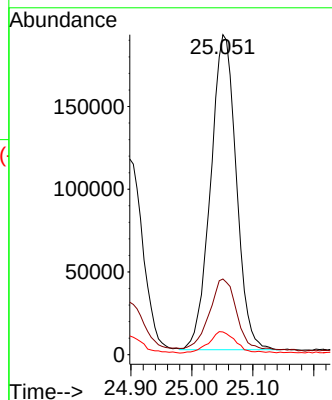
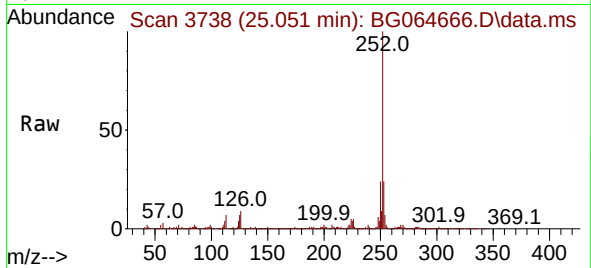




#90
Benzo(a)pyrene
Concen: 29.907 ng
RT: 25.051 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

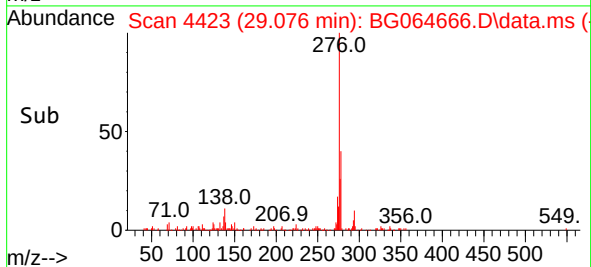
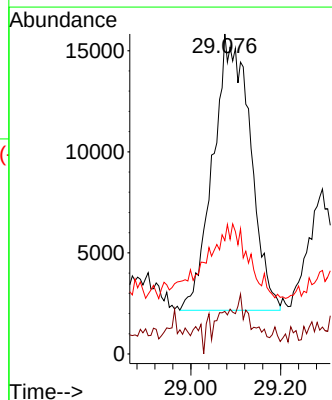
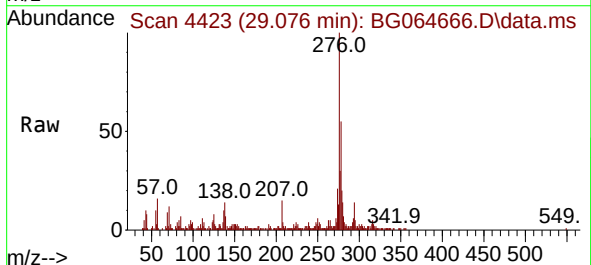
Instrument :
BNA_G
ClientSampleId :

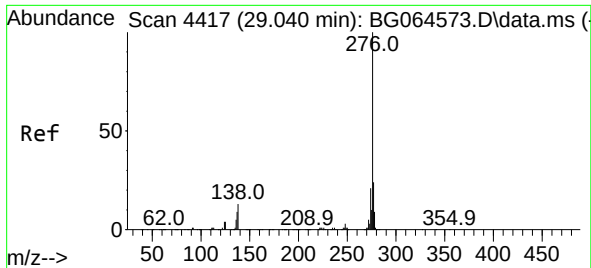
Tgt Ion:252 Resp: 556161
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 7.1 6.1 9.1



#91
Dibenzo(a,h)anthracene
Concen: 3.987 ng
RT: 29.076 min Scan# 4423
Delta R.T. -0.062 min
Lab File: BG064666.D
Acq: 31 Oct 2025 21:41

Tgt Ion:278 Resp: 78609
Ion Ratio Lower Upper
278 100
139 13.3 8.0 12.0#
279 35.4 19.8 29.6#





#92

Benzo(g,h,i)perylene

Concen: 8.665 ng

RT: 29.040 min Scan# 4417

Delta R.T. -0.021 min

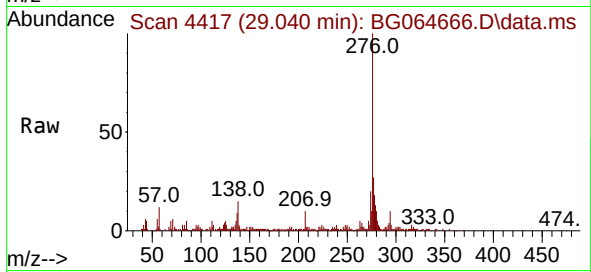
Lab File: BG064666.D

Acq: 31 Oct 2025 21:41

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:276 Resp: 210304

Ion	Ratio	Lower	Upper
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276	100		
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277	26.9	19.2	28.8
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138	14.7	10.7	16.1
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