

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064657.D
 Acq On : 31 Oct 2025 15:31
 Operator : RC/JU
 Sample : Q3497-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 16:08:45 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)

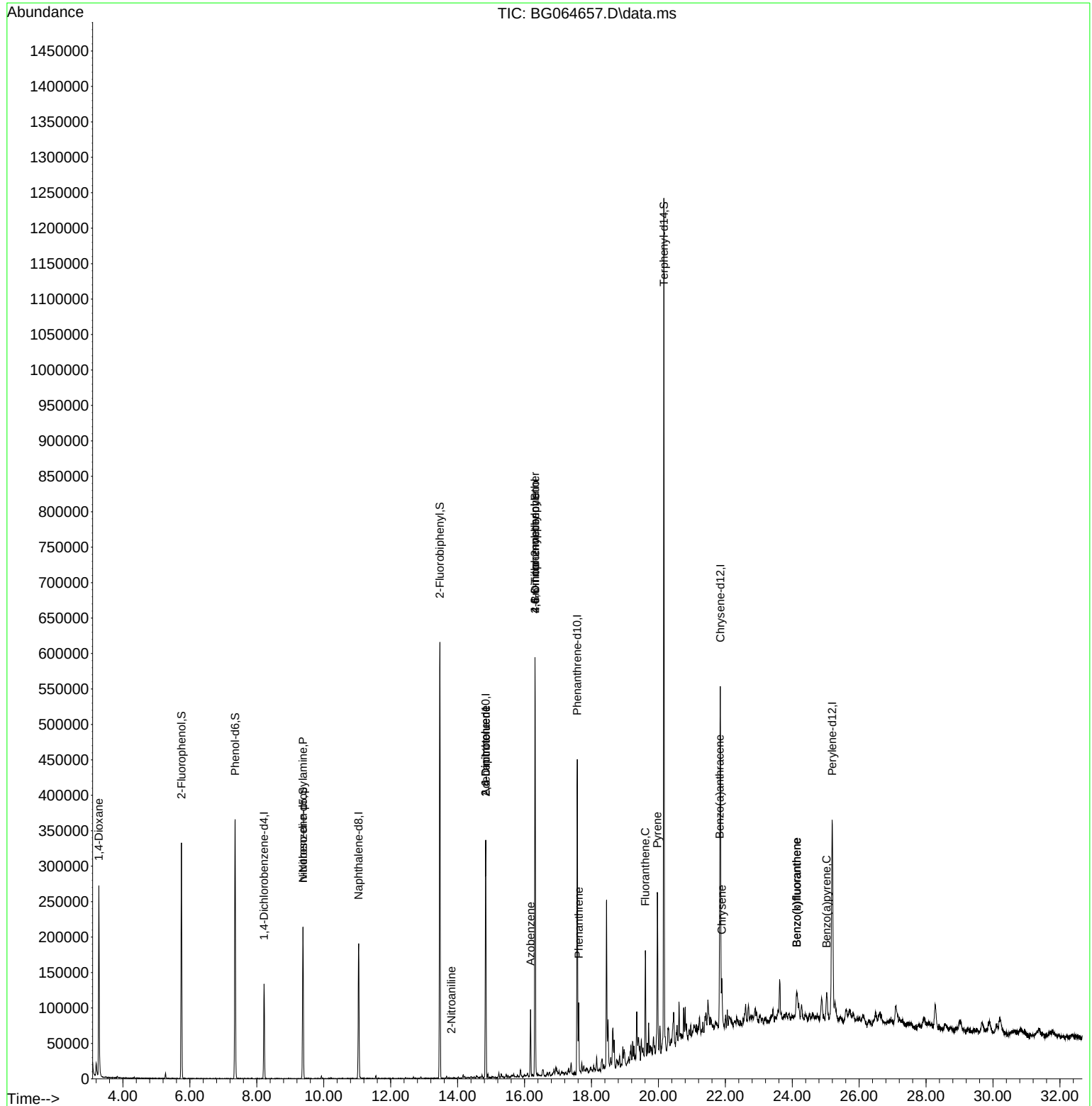
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	37853	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	155721	20.000	ng	# 0.00
39) Acenaphthene-d10	14.840	164	123578	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	282456	20.000	ng	0.00
76) Chrysene-d12	21.850	240	302539	20.000	ng	-0.01
86) Perylene-d12	25.193	264	340038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.751	112	136789	60.656	ng	0.00
7) Phenol-d6	7.355	99	203854	65.875	ng	0.00
23) Nitrobenzene-d5	9.382	82	122622	47.296	ng	0.00
42) 2,4,6-Tribromophenol	16.315	330	128528	72.061	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	323405	39.667	ng	0.00
79) Terphenyl-d14	20.163	244	613519	38.270	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.277	88	2328	2.332	ng	# 1
19) n-Nitroso-di-n-propyla...	9.382	70	15728	7.354	ng	# 68
48) 2-Nitroaniline	13.818	65	54	3.247	ng	# 10
51) 2,6-Dinitrotoluene	14.840	165	16780	13.232	ng	# 19
57) 2,4-Dinitrotoluene	14.840	165	16780	9.564	ng	# 21
63) Azobenzene	16.180	77	24539	2.770	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.315	198	310	5.648	ng	# 74
67) 4-Bromophenyl-phenylether	16.315	248	7695	2.299	ng	# 1
71) Phenanthrene	17.619	178	64269	4.161	ng	98
75) Fluoranthene	19.611	202	90030	4.653	ng	98
78) Pyrene	19.970	202	146218	7.397	ng	99
81) Benzo(a)anthracene	21.832	228	51253	2.555	ng	# 91
83) Chrysene	21.897	228	52476	2.749	ng	# 94
88) Benzo(b)fluoranthene	24.135	252	48916	2.346	ng	# 93
89) Benzo(k)fluoranthene	24.135	252	48916	2.344	ng	# 90
90) Benzo(a)pyrene	25.028	252	48273	2.519	ng	# 91

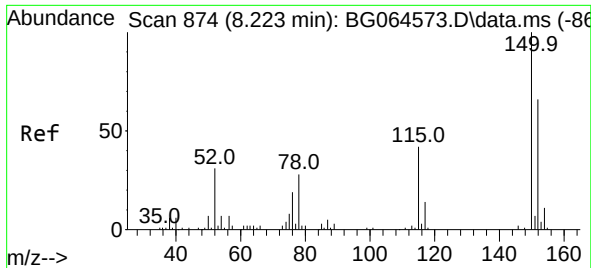
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064657.D
Acq On : 31 Oct 2025 15:31
Operator : RC/JU
Sample : Q3497-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

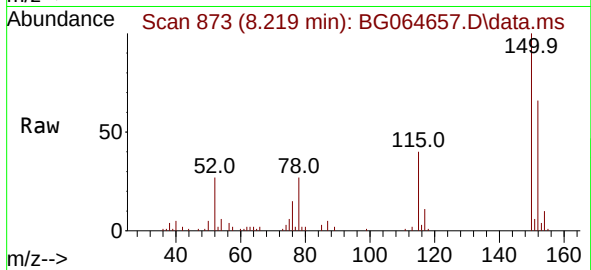
Quant Time: Oct 31 16:08:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



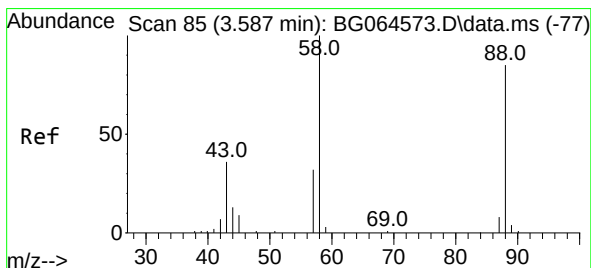
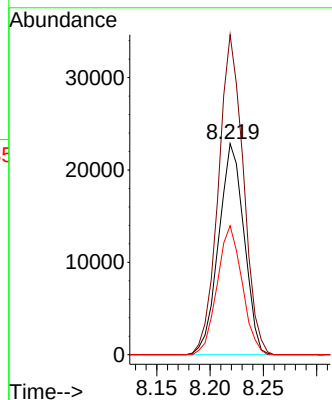
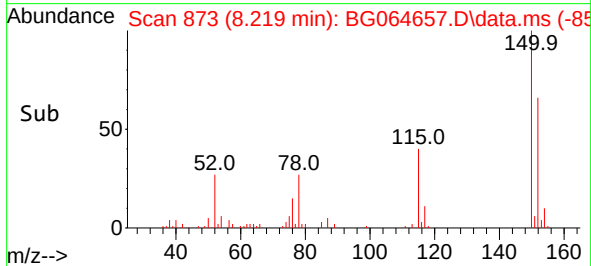


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :

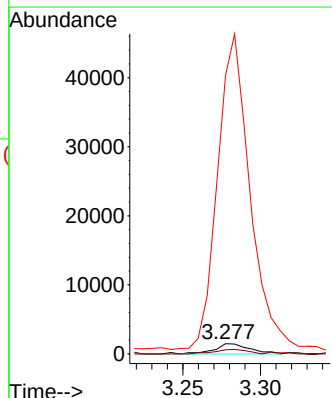
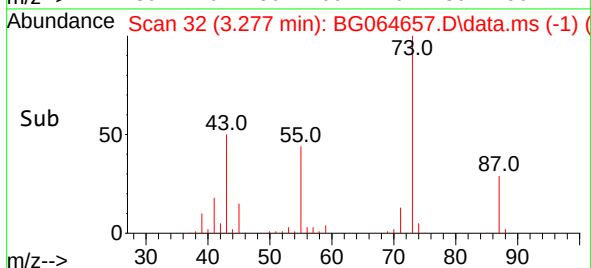
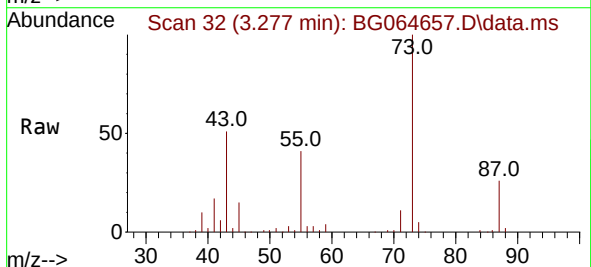


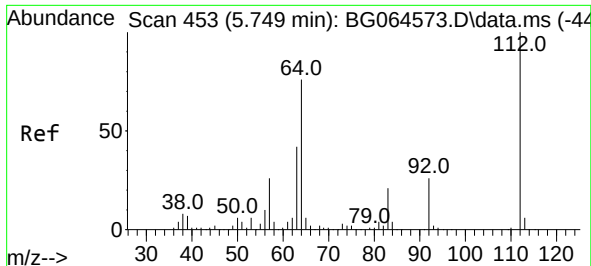
Tgt Ion:152 Resp: 37853
Ion Ratio Lower Upper
152 100
150 151.6 122.2 183.4
115 61.1 50.8 76.2



#2
1,4-Dioxane
Concen: 2.332 ng
RT: 3.277 min Scan# 32
Delta R.T. -0.313 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion: 88 Resp: 2328
Ion Ratio Lower Upper
88 100
58 41.6 92.4 138.6#
43 2943.4 33.0 49.6#

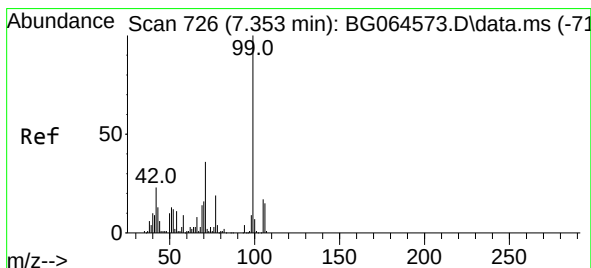
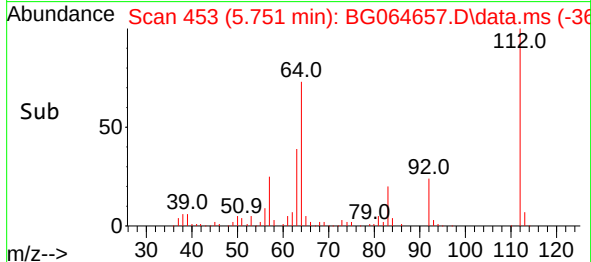
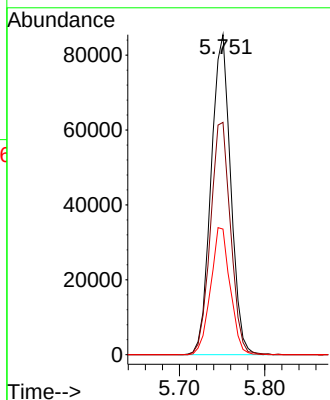
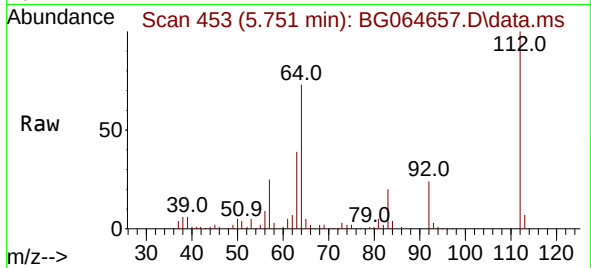




#5
2-Fluorophenol
Concen: 60.656 ng
RT: 5.751 min Scan# 453
Delta R.T. 0.004 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

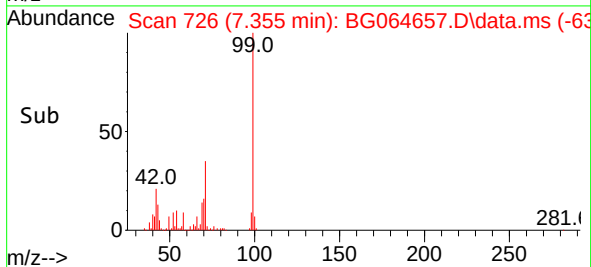
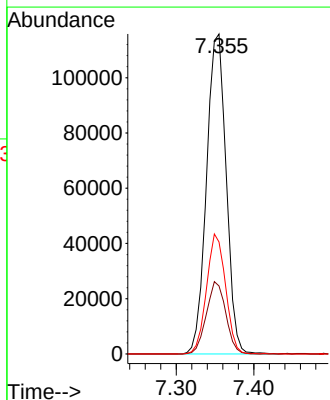
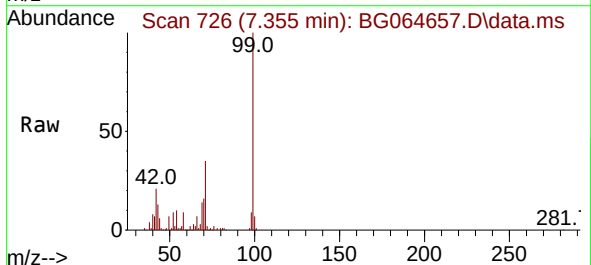
Instrument :
BNA_G
ClientSampleId :

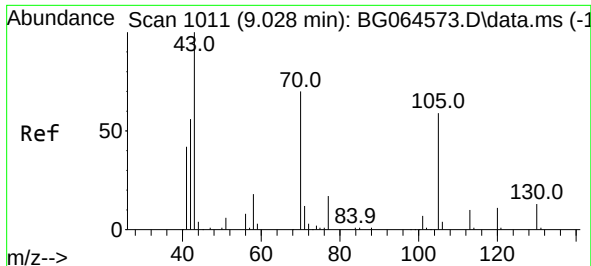
Tgt Ion:112 Resp: 136789
Ion Ratio Lower Upper
112 100
64 72.6 60.7 91.1
63 39.3 33.4 50.0



#7
Phenol-d6
Concen: 65.875 ng
RT: 7.355 min Scan# 726
Delta R.T. -0.002 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion: 99 Resp: 203854
Ion Ratio Lower Upper
99 100
42 21.2 18.3 27.5
71 35.0 28.6 43.0

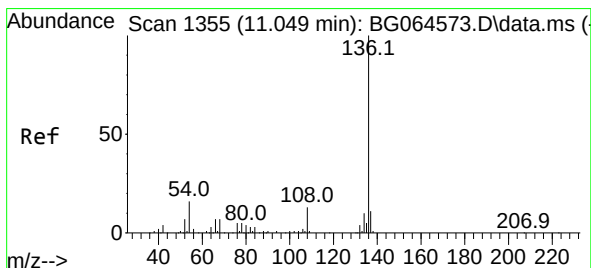
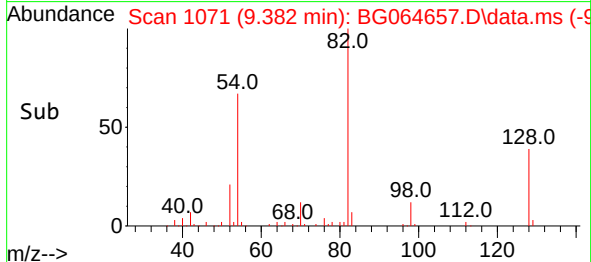
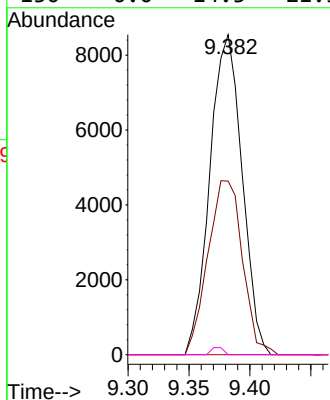
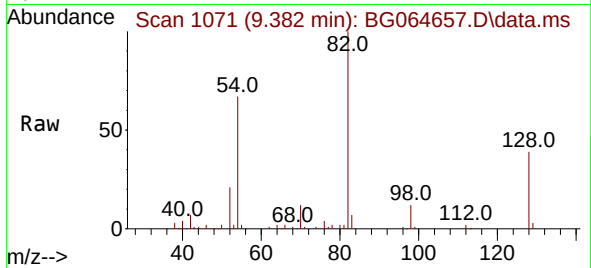




#19
n-Nitroso-di-n-propylamine
Concen: 7.354 ng
RT: 9.382 min Scan# 1011
Delta R.T. 0.351 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

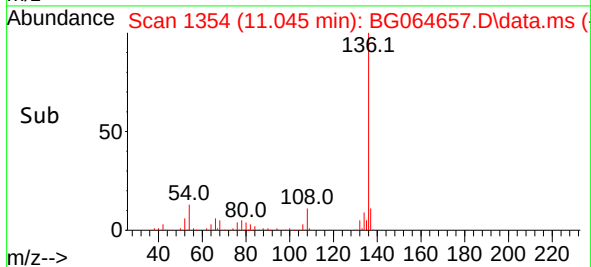
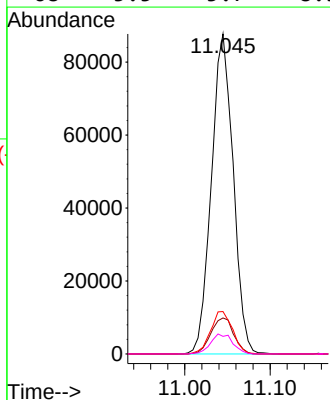
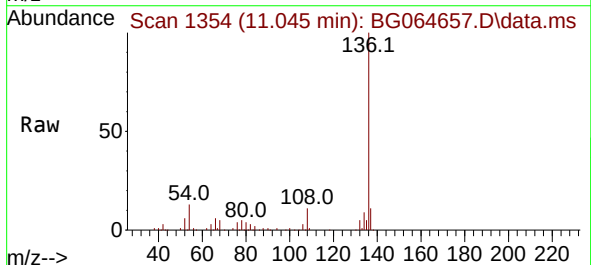
Instrument :
BNA_G
ClientSampleId :

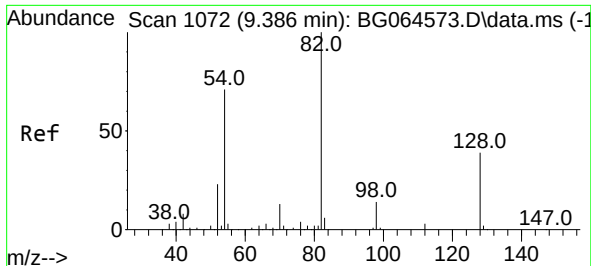
Tgt Ion: 70 Resp: 15728
Ion Ratio Lower Upper
70 100
42 54.2 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1354
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:136 Resp: 155721
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 13.3 12.6 19.0
68 5.5 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 47.296 ng

RT: 9.382 min Scan# 1072

Delta R.T. -0.008 min

Lab File: BG064657.D

Acq: 31 Oct 2025 15:31

Instrument :

BNA_G

ClientSampleId :

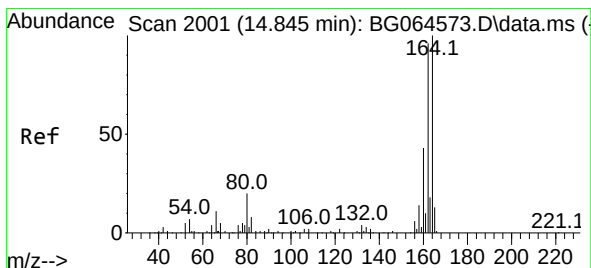
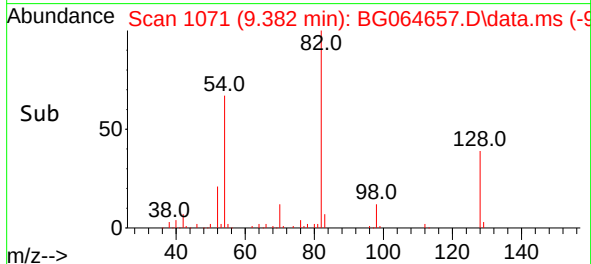
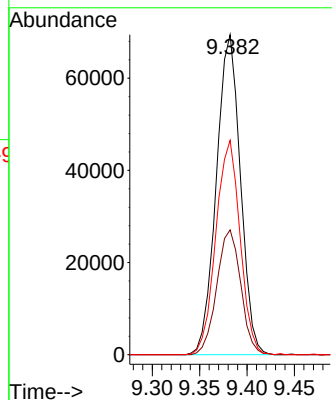
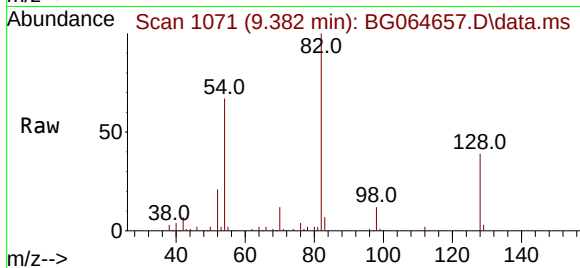
Tgt Ion: 82 Resp: 122622

Ion Ratio Lower Upper

82 100

128 39.0 31.3 46.9

54 67.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.840 min Scan# 2000

Delta R.T. -0.002 min

Lab File: BG064657.D

Acq: 31 Oct 2025 15:31

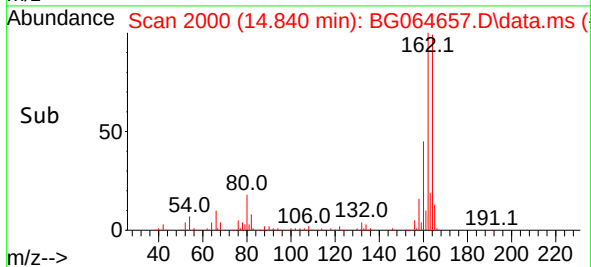
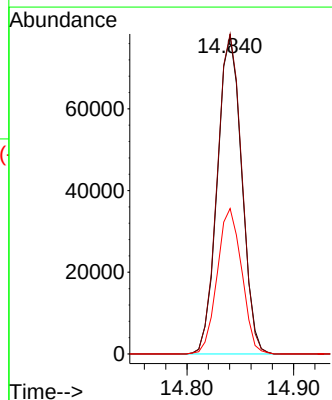
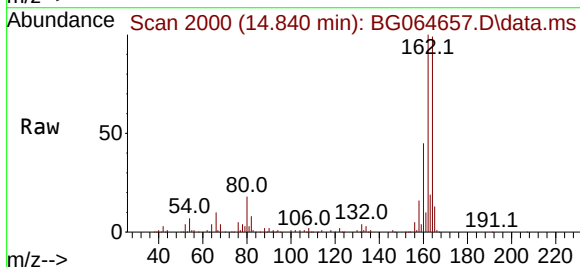
Tgt Ion: 164 Resp: 123578

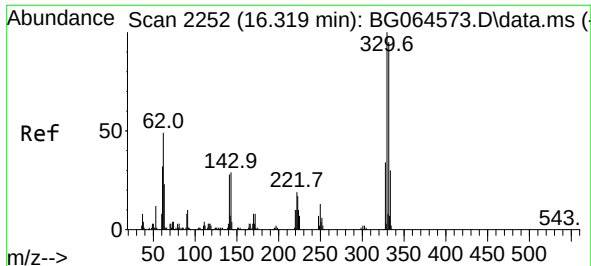
Ion Ratio Lower Upper

164 100

162 100.6 77.0 115.6

160 45.8 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 72.061 ng

RT: 16.315 min Scan# 21

Delta R.T. -0.008 min

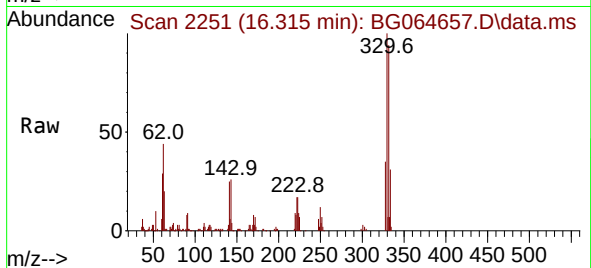
Lab File: BG064657.D

Acq: 31 Oct 2025 15:31

Instrument :

BNA_G

ClientSampleId :



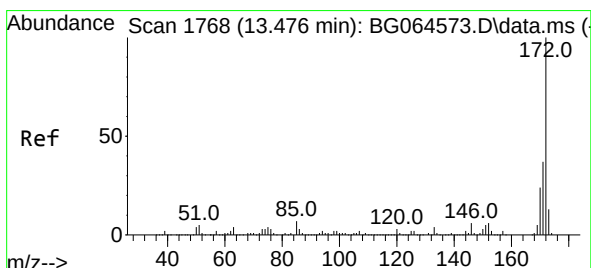
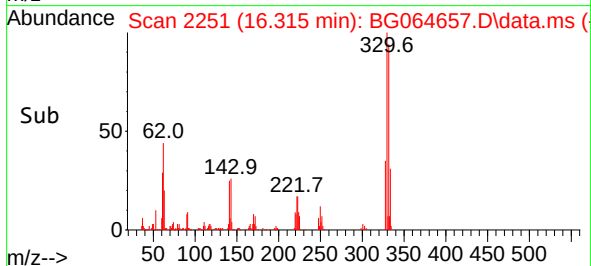
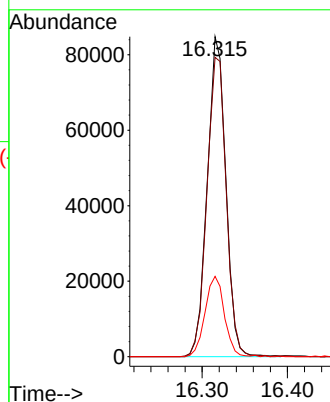
Tgt Ion:330 Resp: 128528

Ion Ratio Lower Upper

330 100

332 97.2 78.0 117.0

141 26.1 21.8 32.6



#45

2-Fluorobiphenyl

Concen: 39.667 ng

RT: 13.471 min Scan# 1767

Delta R.T. -0.008 min

Lab File: BG064657.D

Acq: 31 Oct 2025 15:31

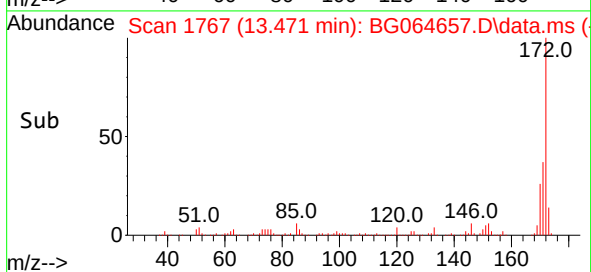
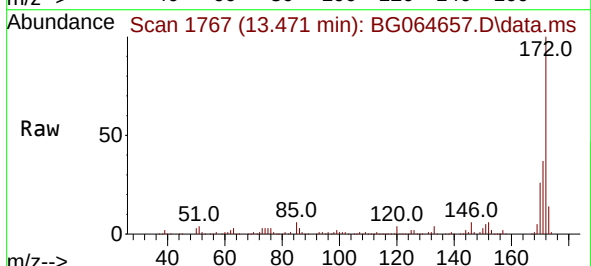
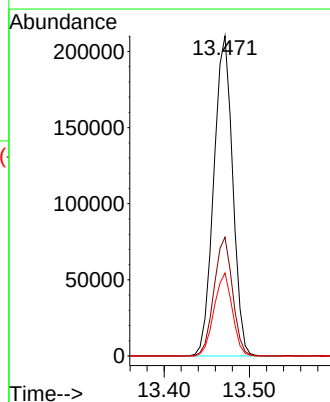
Tgt Ion:172 Resp: 323405

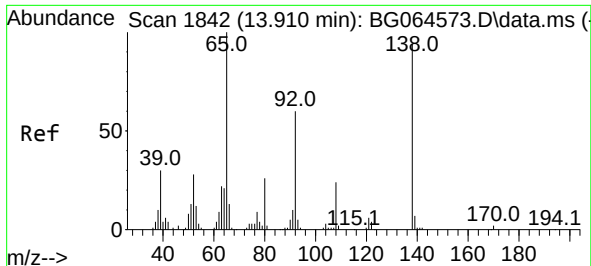
Ion Ratio Lower Upper

172 100

171 37.1 29.4 44.0

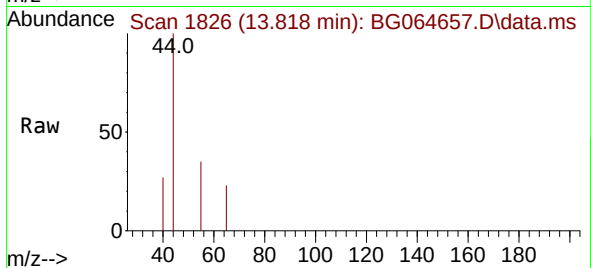
170 26.0 19.1 28.7



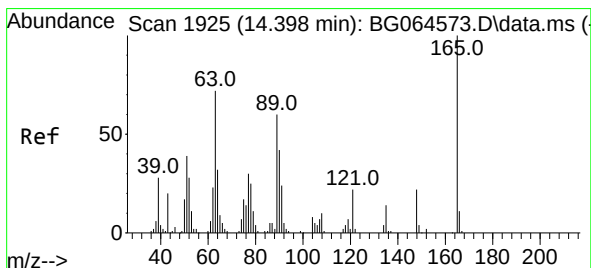
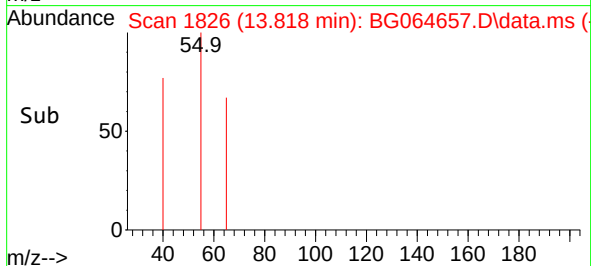
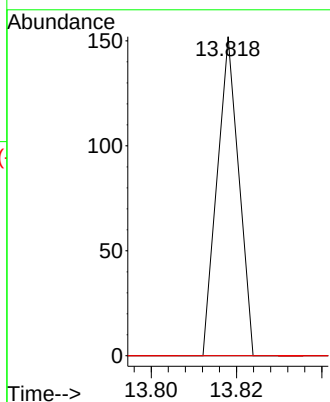


#48
2-Nitroaniline
Concen: 3.247 ng
RT: 13.818 min Scan# 11
Delta R.T. -0.096 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :

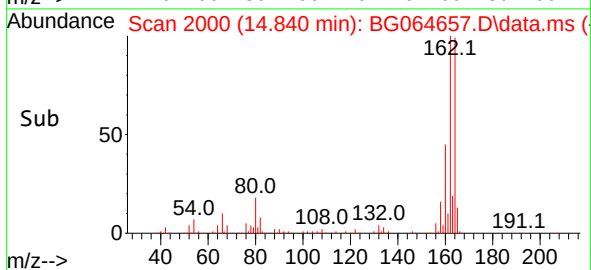
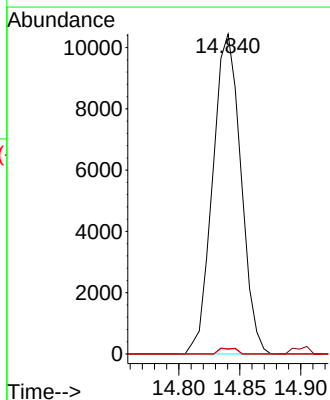
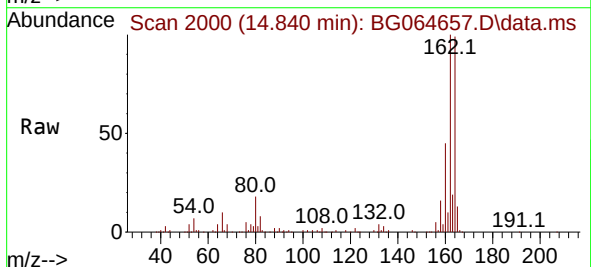


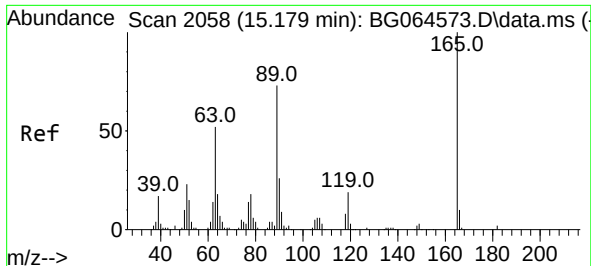
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 13.232 ng
RT: 14.840 min Scan# 2000
Delta R.T. 0.438 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

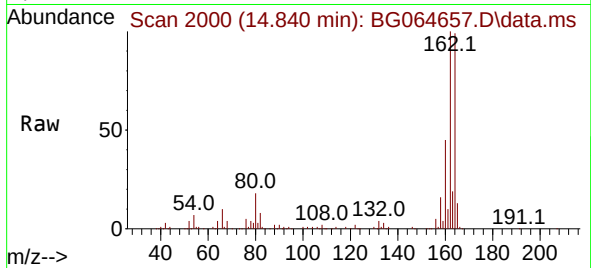
Tgt Ion:165 Resp: 16780
Ion Ratio Lower Upper
165 100
63 1.5 57.4 86.0#
89 1.5 47.8 71.8#



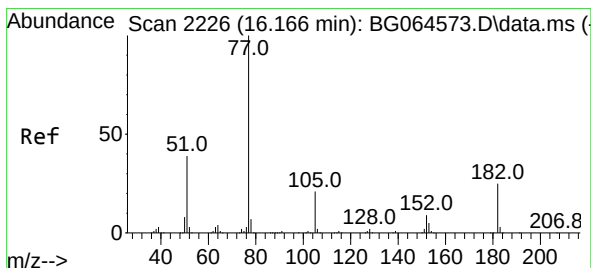
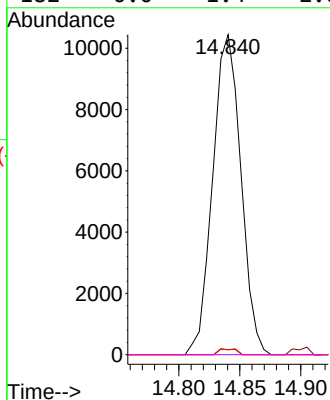
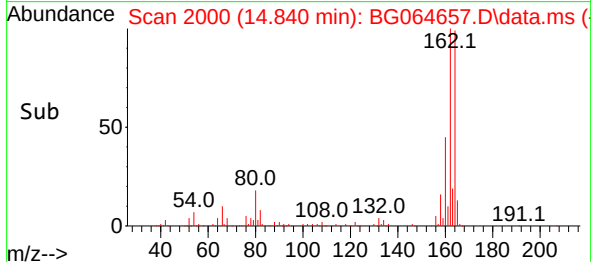


#57
2,4-Dinitrotoluene
Concen: 9.564 ng
RT: 14.840 min Scan# 2058
Delta R.T. -0.349 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

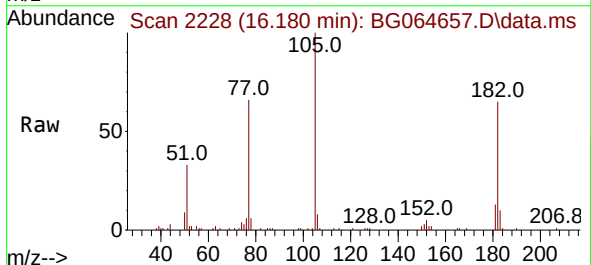
Instrument :
BNA_G
ClientSampleId :



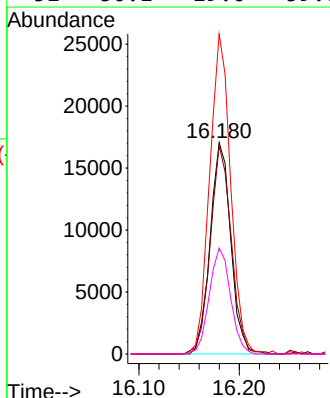
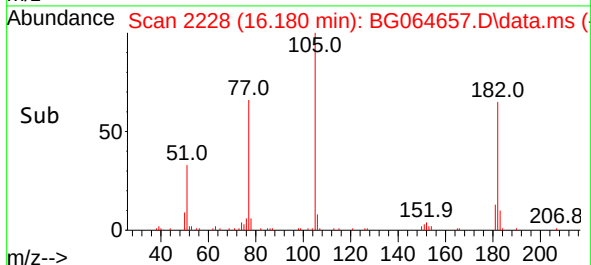
Tgt Ion:	165	Resp:	16780
Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.8	62.8#
89	1.5	58.1	87.1#
182	0.0	1.4	2.0#

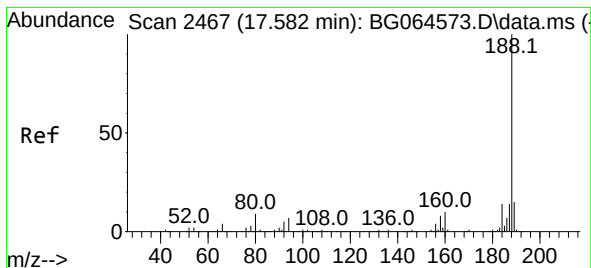


#63
Azobenzene
Concen: 2.770 ng
RT: 16.180 min Scan# 2228
Delta R.T. 0.010 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31



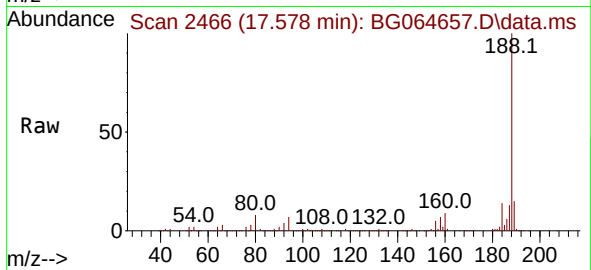
Tgt Ion:	77	Resp:	24539
Ion	Ratio	Lower	Upper
77	100		
182	98.5	4.9	44.9#
105	151.4	1.3	41.3#
51	50.1	19.0	59.0



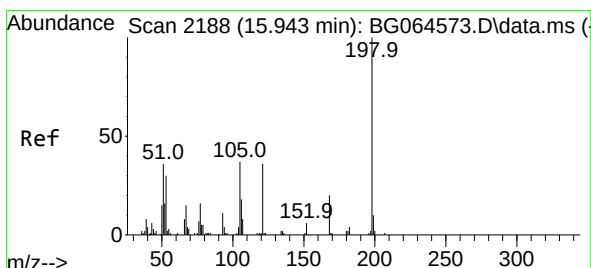
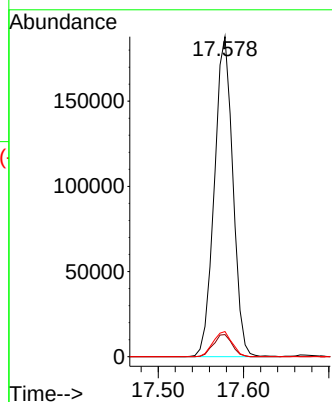
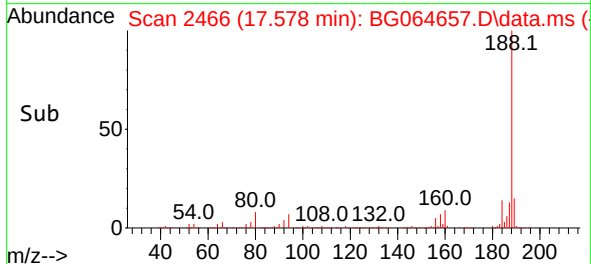


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

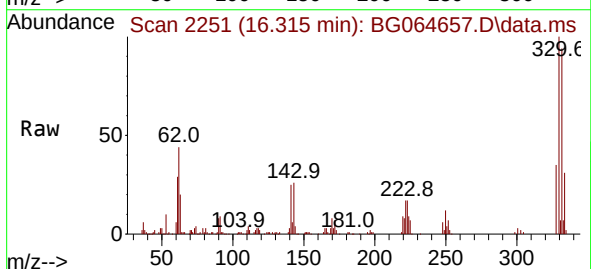
Instrument :
BNA_G
ClientSampleId :



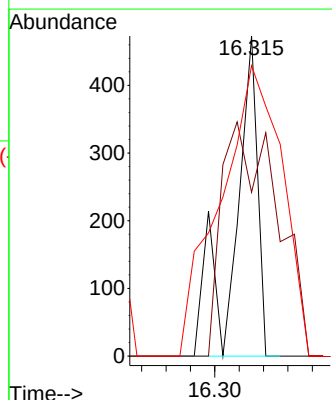
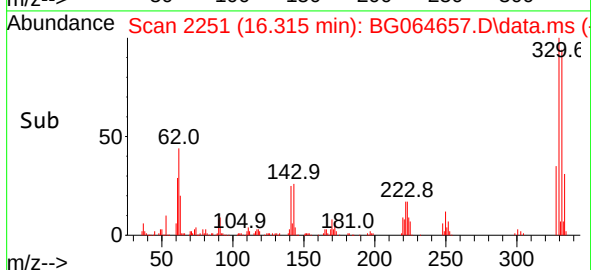
Tgt Ion:188 Resp: 282456
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 7.9 6.8 10.2

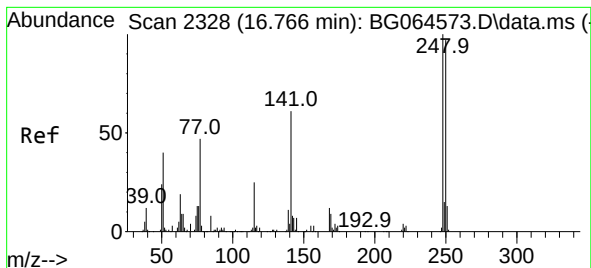


#65
4,6-Dinitro-2-methylphenol
Concen: 5.648 ng
RT: 16.315 min Scan# 2251
Delta R.T. 0.368 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31



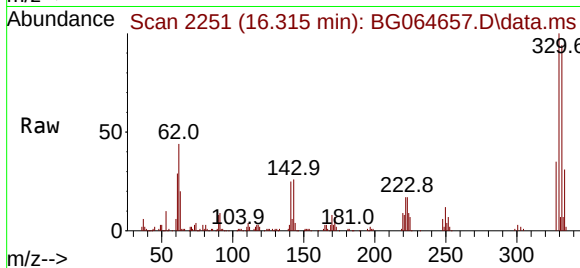
Tgt Ion:198 Resp: 310
Ion Ratio Lower Upper
198 100
51 18.1 24.7 64.7#
105 32.2 18.0 58.0



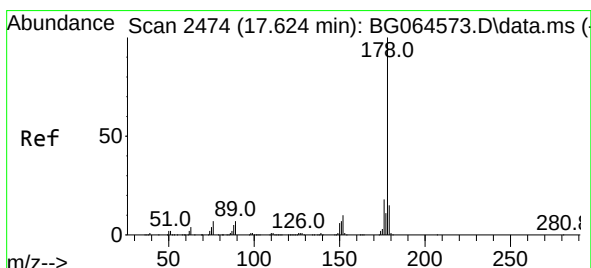
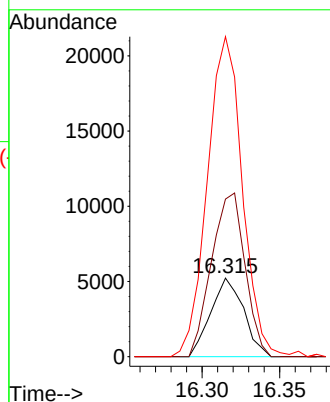
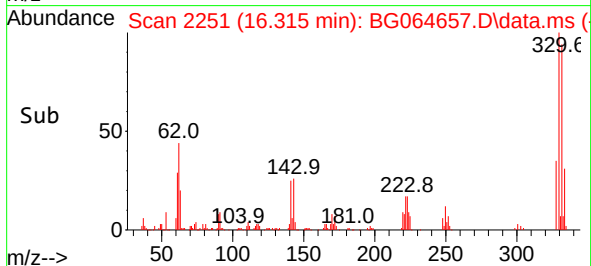


#67
4-Bromophenyl-phenylether
Concen: 2.299 ng
RT: 16.315 min Scan# 211
Delta R.T. -0.454 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

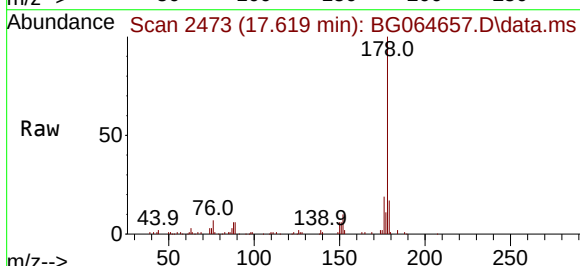
Instrument :
BNA_G
ClientSampleId :



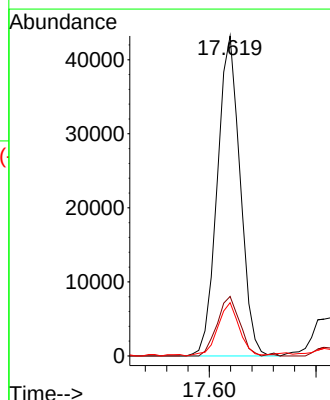
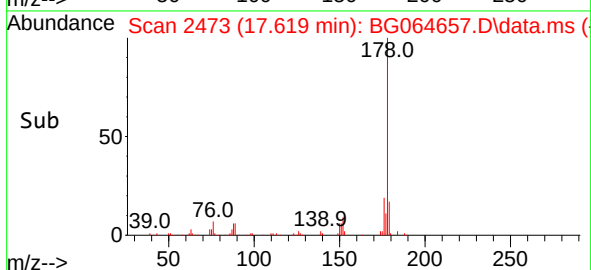
Tgt Ion:248 Resp: 7695
Ion Ratio Lower Upper
248 100
250 264.3 77.7 116.5#
141 407.4 48.6 72.8#

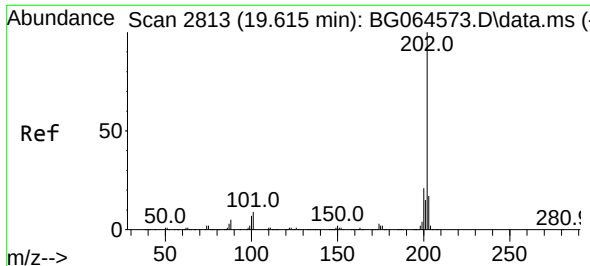


#71
Phenanthrene
Concen: 4.161 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31



Tgt Ion:178 Resp: 64269
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 16.7 12.2 18.4

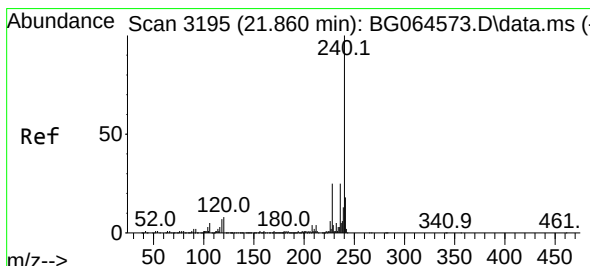
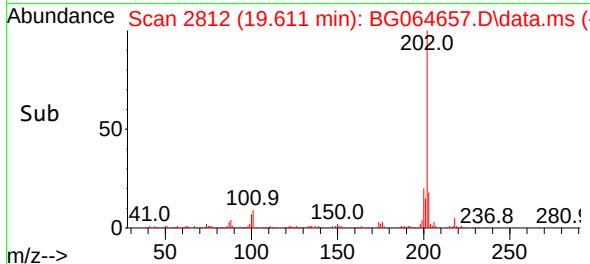
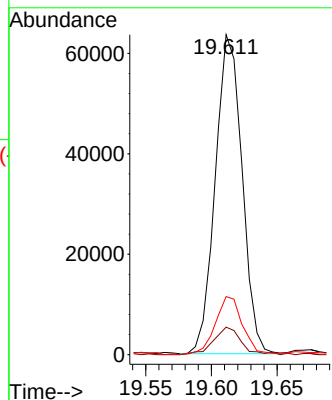
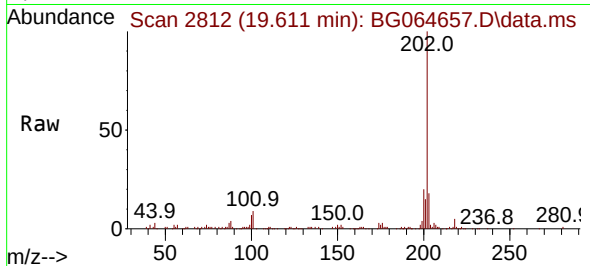




#75
Fluoranthene
Concen: 4.653 ng
RT: 19.611 min Scan# 2812
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

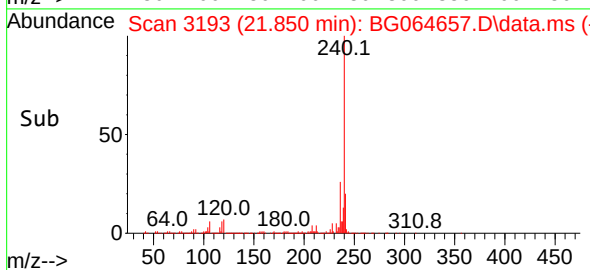
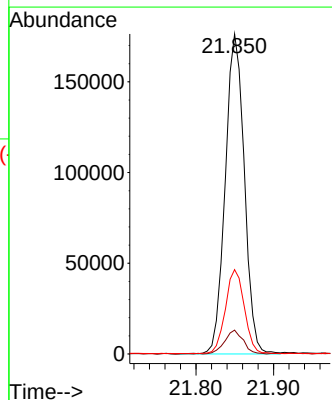
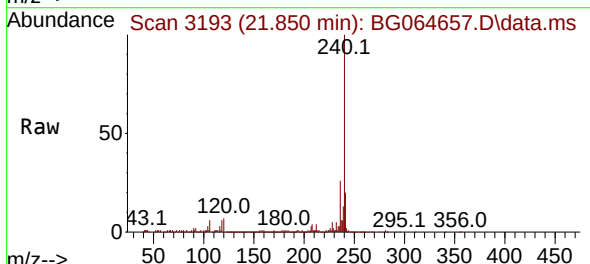
Instrument :
BNA_G
ClientSampleId :

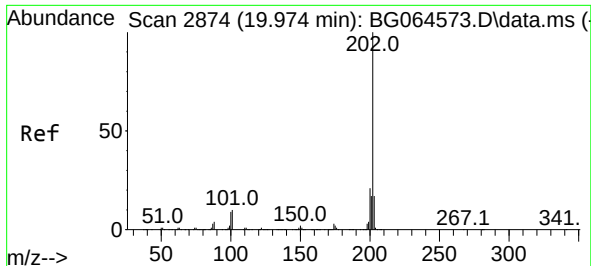
Tgt Ion:202 Resp: 90030
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.7
203 18.1 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.850 min Scan# 3193
Delta R.T. -0.014 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:240 Resp: 302539
Ion Ratio Lower Upper
240 100
120 7.4 6.5 9.7
236 26.4 20.2 30.2

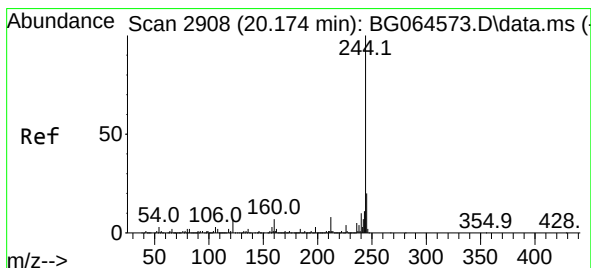
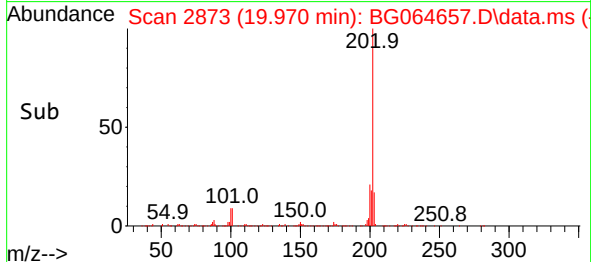
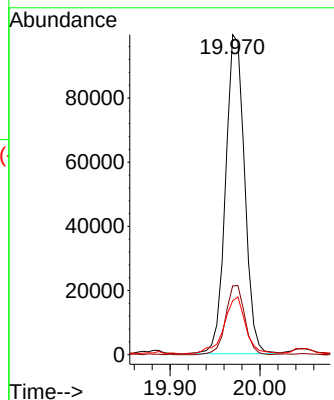
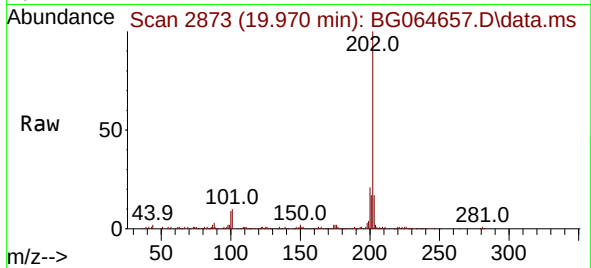




#78
 Pyrene
 Concen: 7.397 ng
 RT: 19.970 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG064657.D
 Acq: 31 Oct 2025 15:31

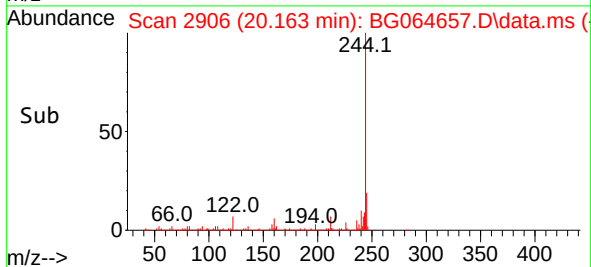
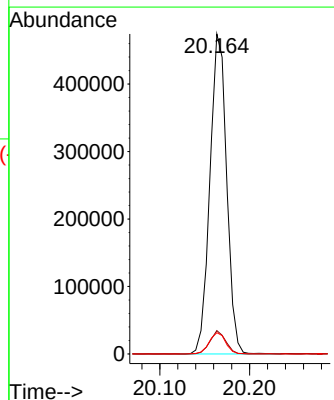
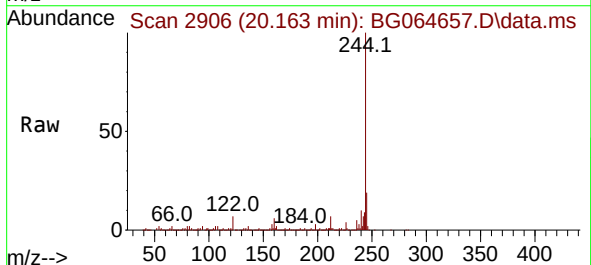
Instrument :
 BNA_G
 ClientSampleId :

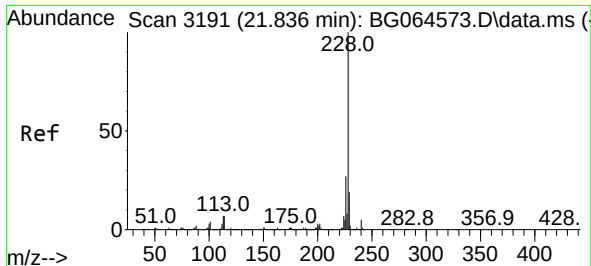
Tgt Ion:202 Resp: 146218
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.0 25.4
 203 16.9 13.8 20.6



#79
 Terphenyl-d14
 Concen: 38.270 ng
 RT: 20.163 min Scan# 2906
 Delta R.T. -0.014 min
 Lab File: BG064657.D
 Acq: 31 Oct 2025 15:31

Tgt Ion:244 Resp: 613519
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.6 5.6 8.4

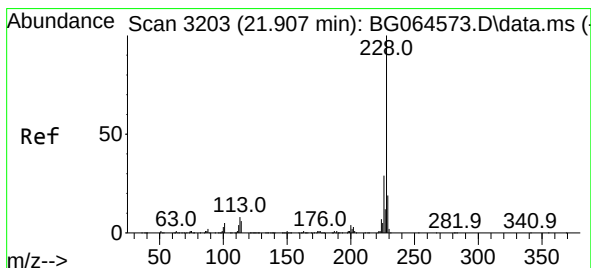
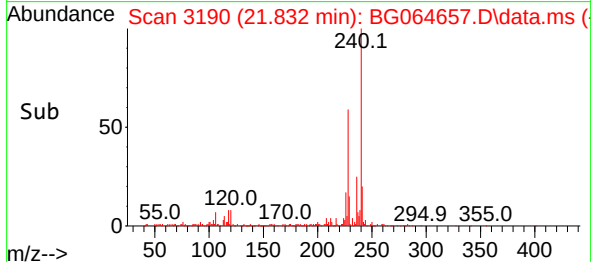
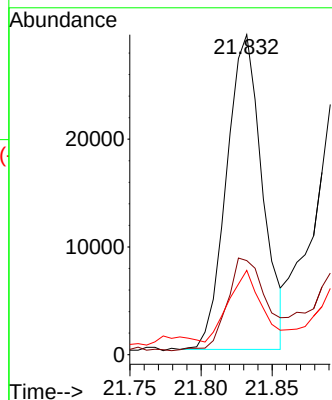
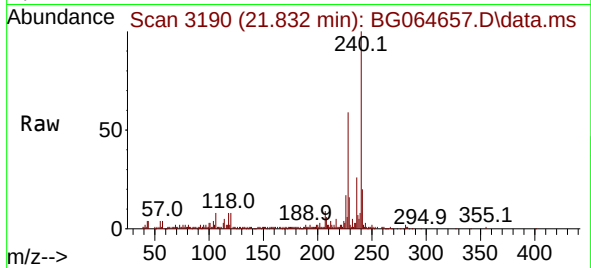




#81
Benzo(a)anthracene
Concen: 2.555 ng
RT: 21.832 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

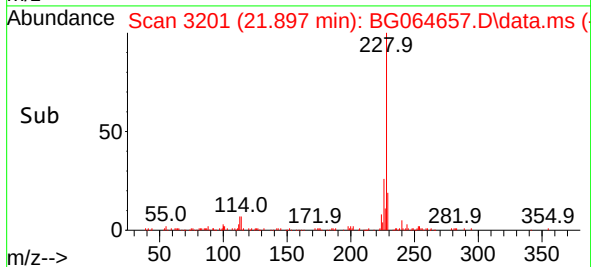
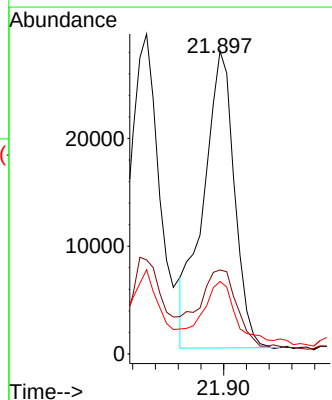
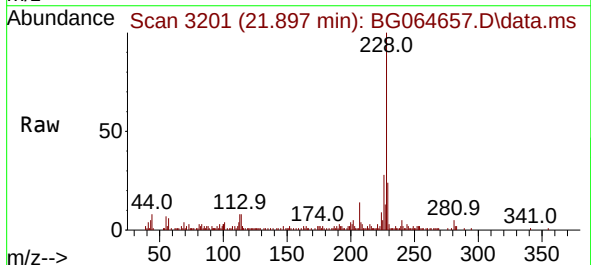
Instrument :
BNA_G
ClientSampleId :

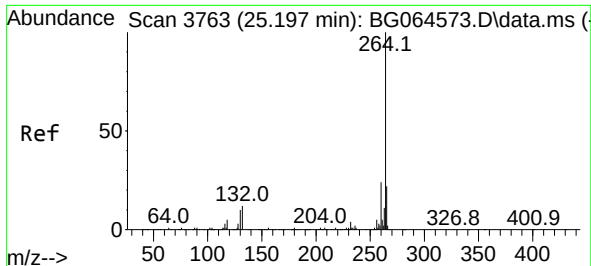
Tgt Ion:228 Resp: 51253
Ion Ratio Lower Upper
228 100
226 29.4 21.9 32.9
229 26.4 15.6 23.4#



#83
Chrysene
Concen: 2.749 ng
RT: 21.897 min Scan# 3201
Delta R.T. -0.014 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:228 Resp: 52476
Ion Ratio Lower Upper
228 100
226 27.7 23.3 34.9
229 23.9 15.2 22.8#



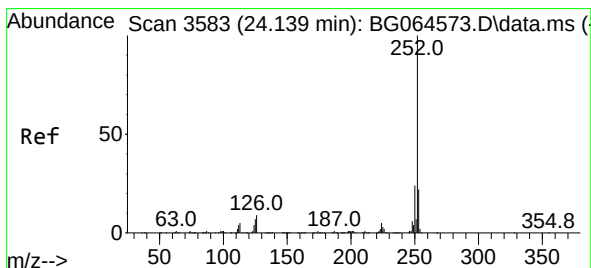
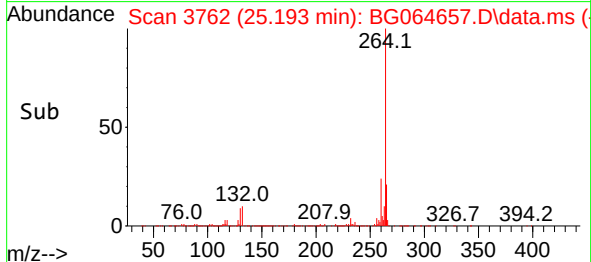
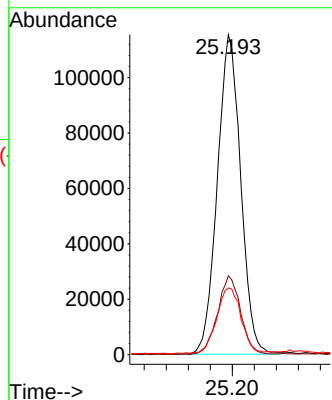
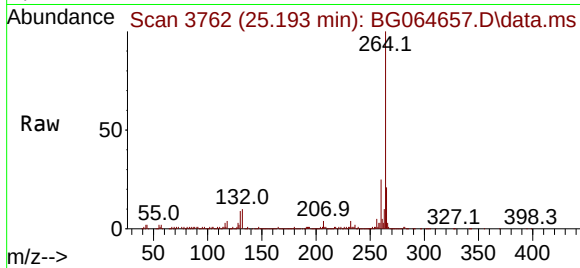


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.193 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 340038

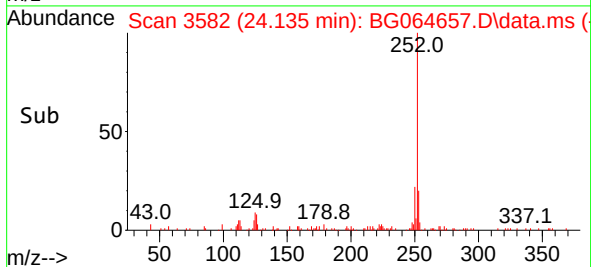
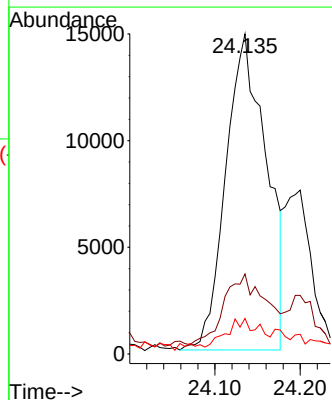
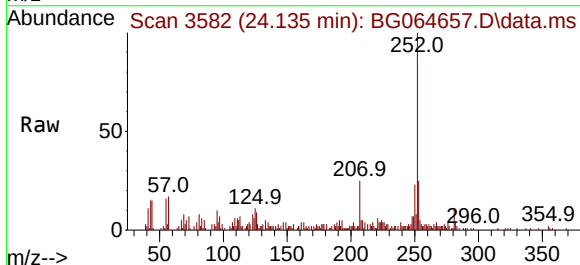
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.4
265	20.9	17.6	26.4

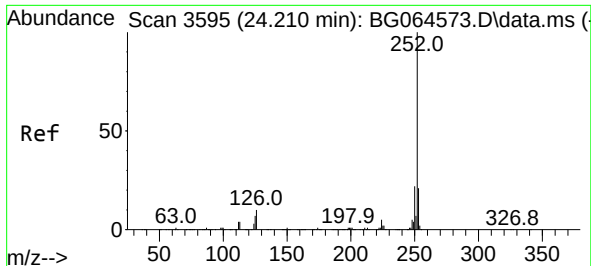


#88
Benzo(b)fluoranthene
Concen: 2.346 ng
RT: 24.135 min Scan# 3582
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:252 Resp: 48916

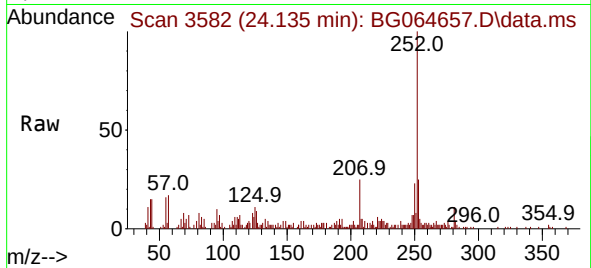
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	11.1	5.6	8.4



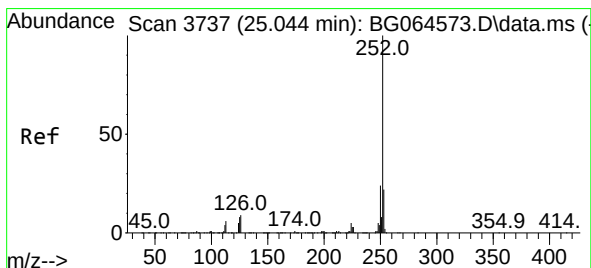
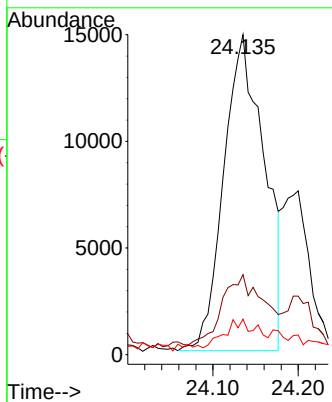
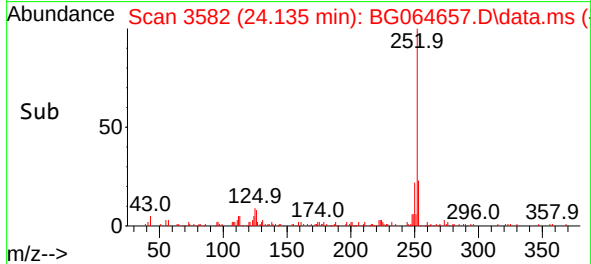


#89
Benzo(k)fluoranthene
Concen: 2.344 ng
RT: 24.135 min Scan# 31
Delta R.T. -0.084 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:252 Resp: 48916
Ion Ratio Lower Upper
252 100
253 25.0 16.8 25.2
125 11.1 5.4 8.0#



#90
Benzo(a)pyrene
Concen: 2.519 ng
RT: 25.028 min Scan# 3734
Delta R.T. -0.031 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:252 Resp: 48273
Ion Ratio Lower Upper
252 100
253 26.3 17.6 26.4
125 10.2 6.1 9.1#

