

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064342.D
 Acq On : 10 Sep 2025 21:32
 Operator : RC/JU
 Sample : Q3059-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 11 01:19:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

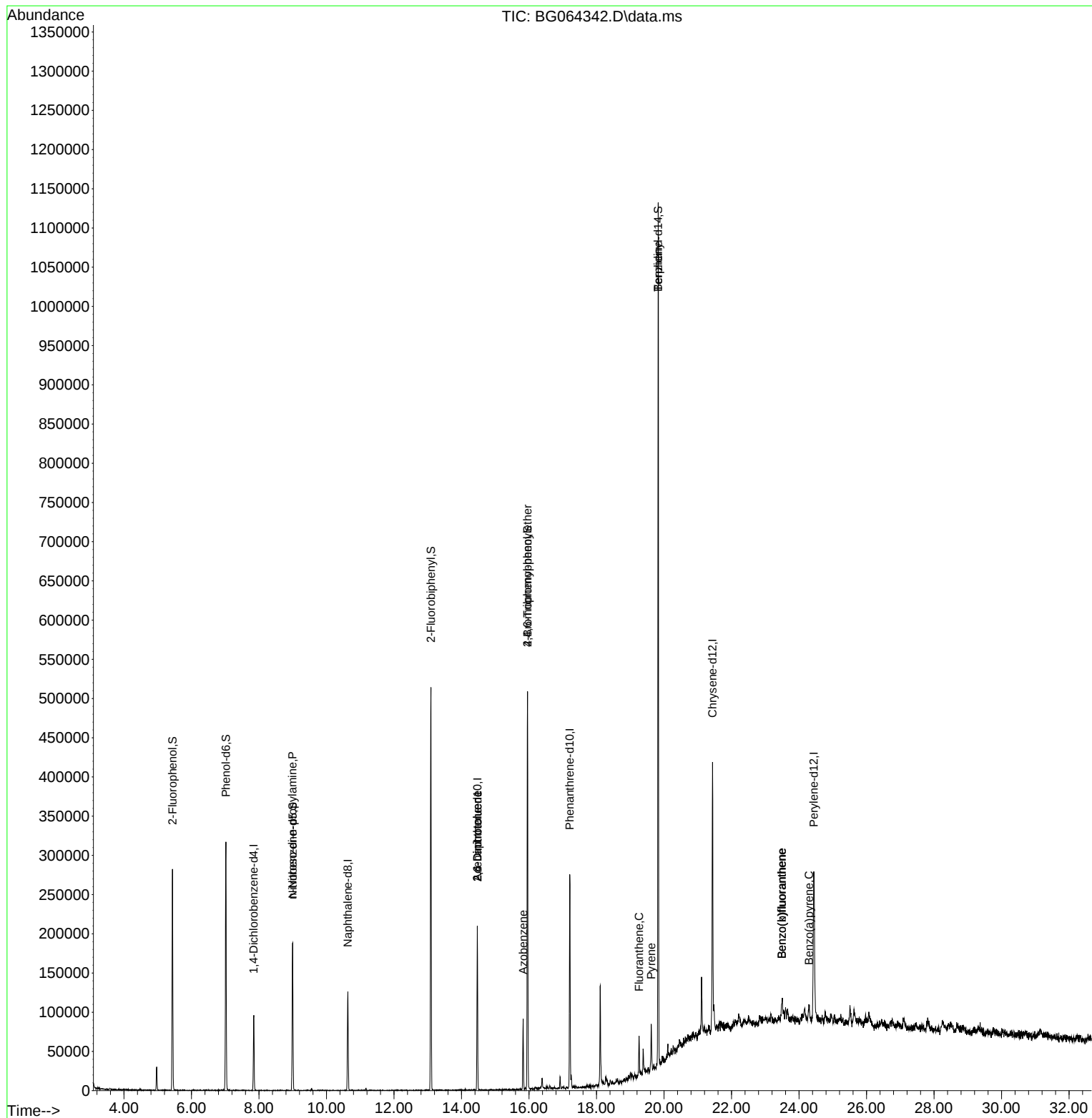
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	23046	20.000	ng	-0.02
21) Naphthalene-d8	10.633	136	95323	20.000	ng	#-0.02
39) Acenaphthene-d10	14.469	164	71045	20.000	ng	-0.01
64) Phenanthrene-d10	17.207	188	163265	20.000	ng	#-0.02
76) Chrysene-d12	21.438	240	181655	20.000	ng	#-0.02
86) Perylene-d12	24.440	264	203704	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	102664	79.922	ng	0.00
7) Phenol-d6	7.019	99	141202	80.012	ng	-0.01
23) Nitrobenzene-d5	8.999	82	99774	58.375	ng	-0.02
42) 2,4,6-Tribromophenol	15.956	330	95776	101.779	ng	-0.02
45) 2-Fluorobiphenyl	13.094	172	251612	54.057	ng	-0.02
79) Terphenyl-d14	19.828	244	498318	57.233	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.993	70	15228	11.275	ng	# 82
51) 2,6-Dinitrotoluene	14.469	165	9145	8.784	ng	# 14
57) 2,4-Dinitrotoluene	14.469	165	9145	5.810	ng	# 17
63) Azobenzene	15.826	77	23947	4.669	ng	# 2
67) 4-Bromophenyl-phenylether	15.956	248	6494	3.745	ng	# 1
75) Fluoranthene	19.264	202	28213	2.786	ng	96
77) Benzidine	19.828	184	10395	2.720	ng	96
78) Pyrene	19.622	202	33761	2.950	ng	98
88) Benzo(b)fluoranthene	23.494	252	25166	2.189	ng	95
89) Benzo(k)fluoranthene	23.494	252	25166	2.149	ng	98
90) Benzo(a)pyrene	24.299	252	21451	2.006	ng	# 88

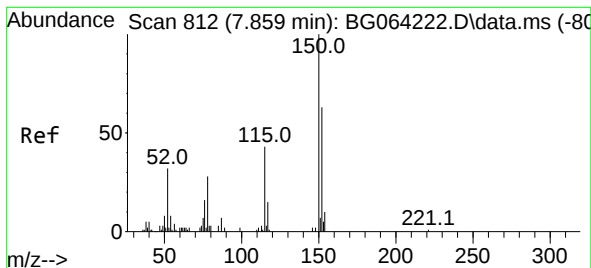
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.842 min Scan# 809

Delta R.T. -0.017 min

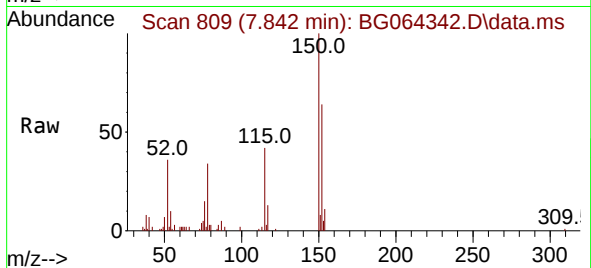
Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

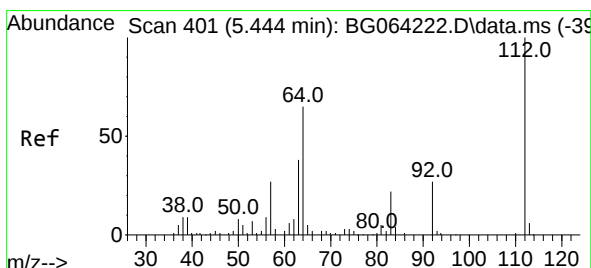
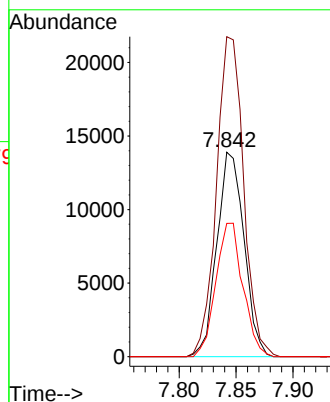
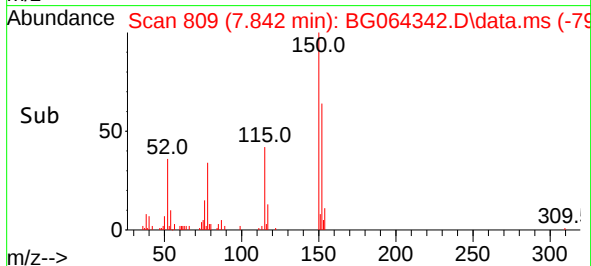
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	152	Resp:	23046
Ion Ratio	Lower	Upper	
152	100		
150	156.5	128.0	192.0
115	65.2	55.7	83.5



#5

2-Fluorophenol

Concen: 79.922 ng

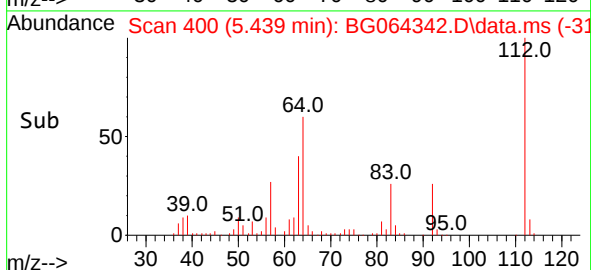
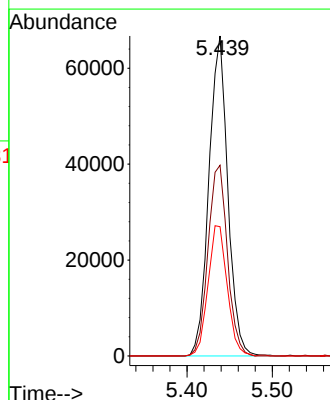
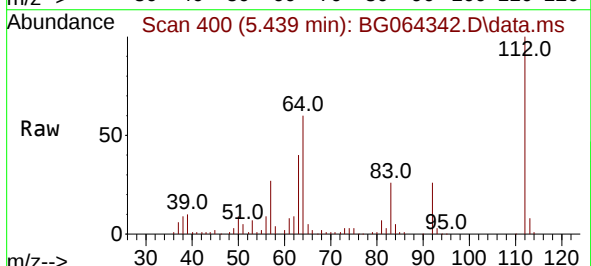
RT: 5.439 min Scan# 400

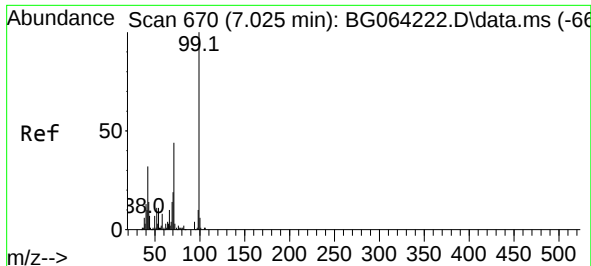
Delta R.T. -0.006 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

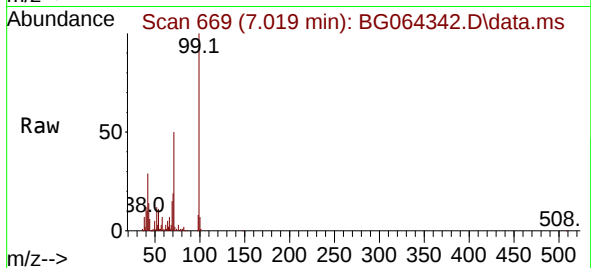
Tgt Ion:	112	Resp:	102664
Ion Ratio	Lower	Upper	
112	100		
64	59.6	51.8	77.6
63	40.4	30.6	45.8



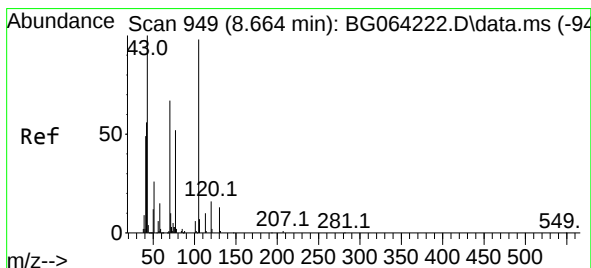
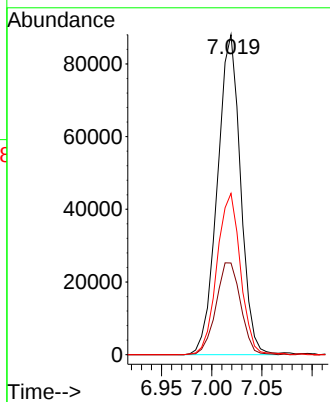
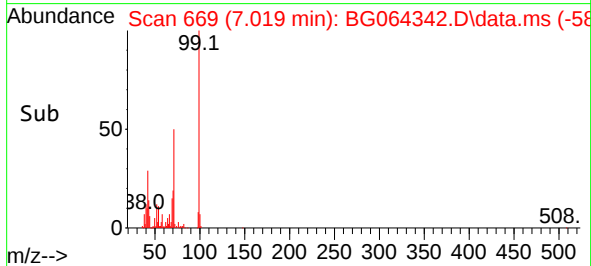


#7
Phenol-d6
Concen: 80.012 ng
RT: 7.019 min Scan# 60
Delta R.T. -0.012 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

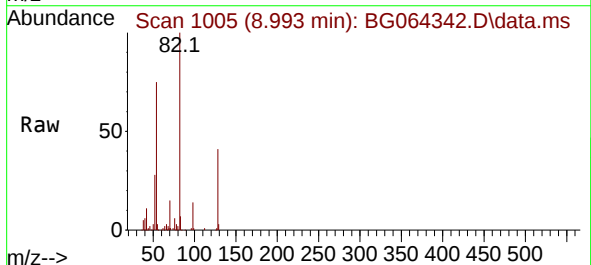
Instrument :
BNA_G
ClientSampleId :



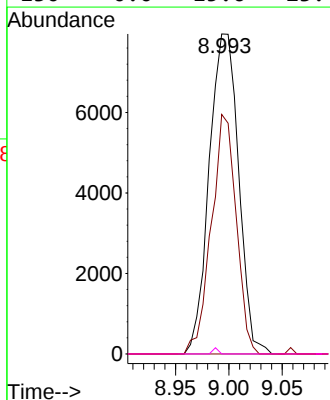
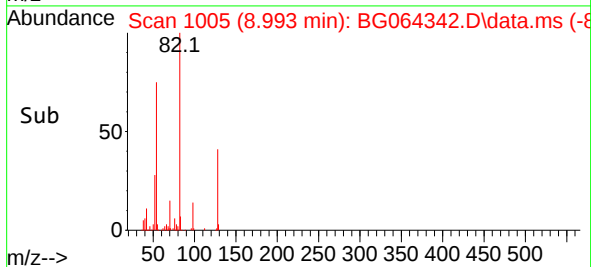
Tgt Ion: 99 Resp: 141202
Ion Ratio Lower Upper
99 100
42 28.6 25.8 38.8
71 50.4 35.2 52.8

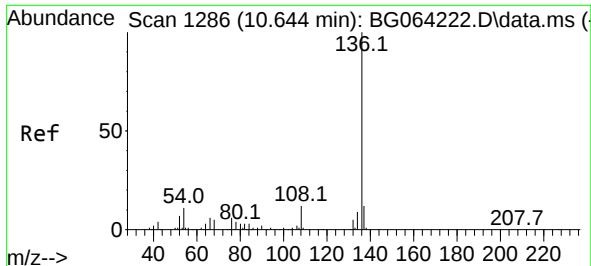


#19
n-Nitroso-di-n-propylamine
Concen: 11.275 ng
RT: 8.993 min Scan# 1005
Delta R.T. 0.329 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32



Tgt Ion: 70 Resp: 15228
Ion Ratio Lower Upper
70 100
42 74.9 67.9 101.9
101 0.0 7.3 10.9#
130 0.0 15.6 23.4#

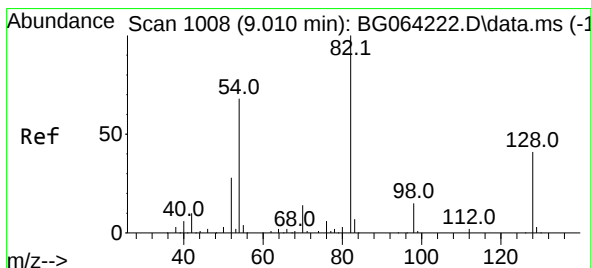
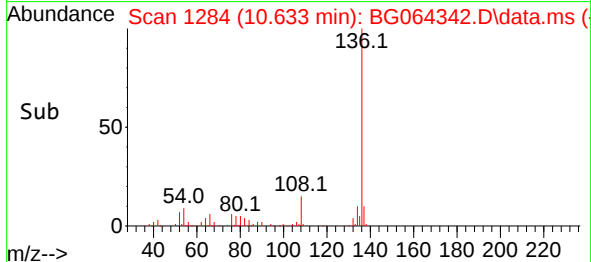
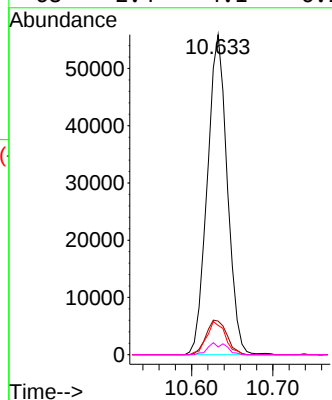
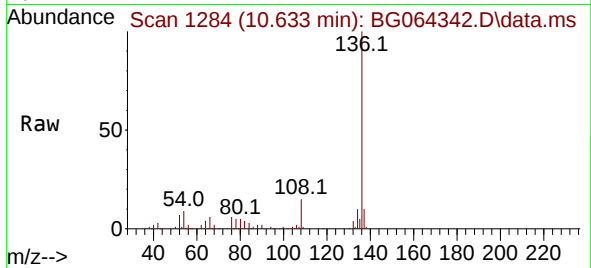




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 11
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

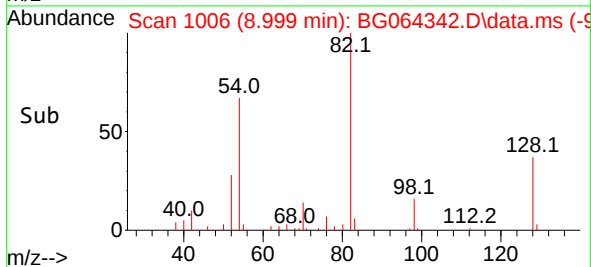
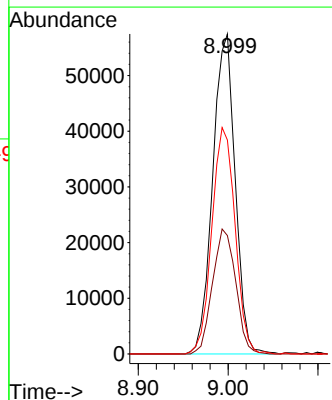
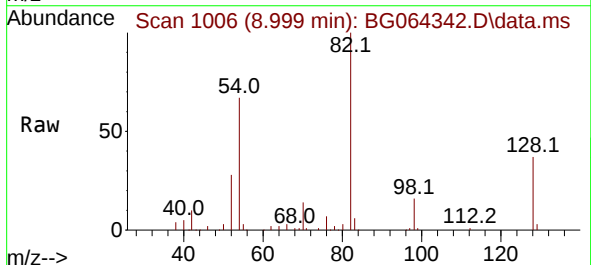
Instrument :
BNA_G
ClientSampleId :

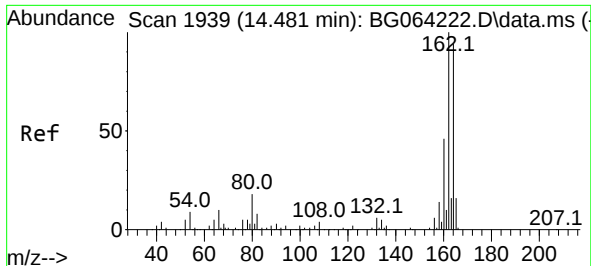
Tgt Ion:	136	Resp:	95323
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.6	14.4
54	9.2	8.8	13.2
68	2.4	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 58.375 ng
RT: 8.999 min Scan# 1006
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion:	82	Resp:	99774
Ion Ratio	Lower	Upper	
82	100		
128	37.0	32.6	48.8
54	66.8	54.7	82.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.469 min Scan# 1937

Delta R.T. -0.012 min

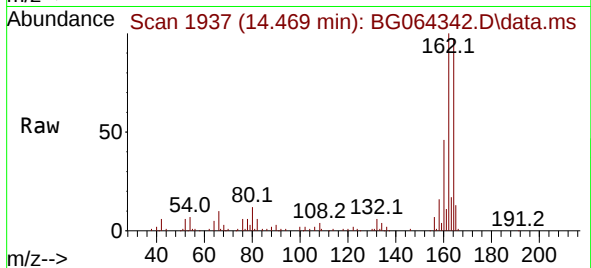
Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

Instrument :

BNA_G

ClientSampleId :



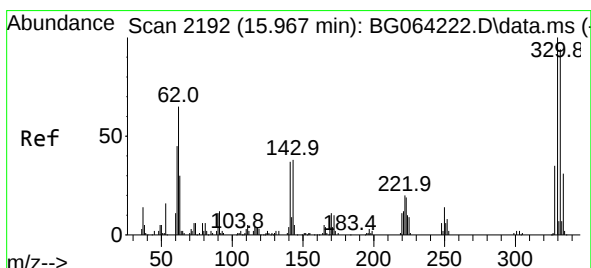
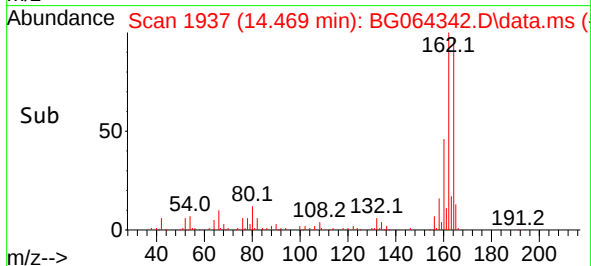
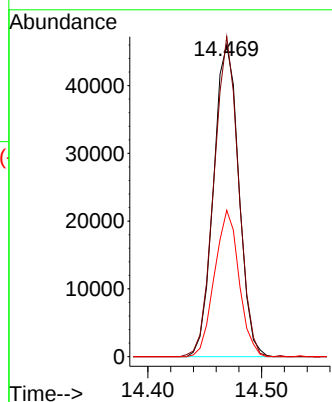
Tgt Ion:164 Resp: 71045

Ion Ratio Lower Upper

164 100

162 102.6 85.4 128.0

160 47.0 39.2 58.8



#42

2,4,6-Tribromophenol

Concen: 101.779 ng

RT: 15.956 min Scan# 2190

Delta R.T. -0.017 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

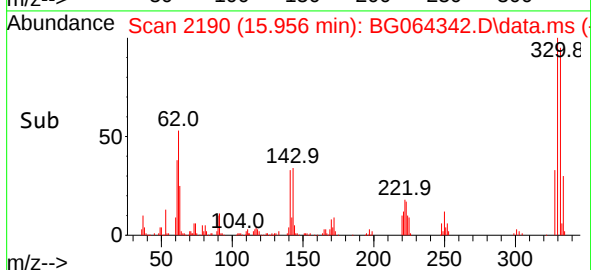
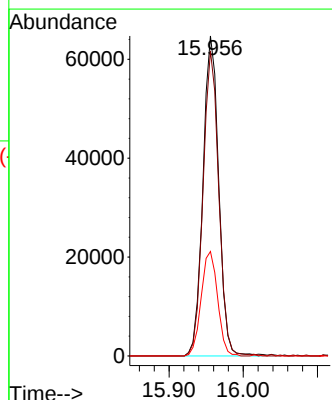
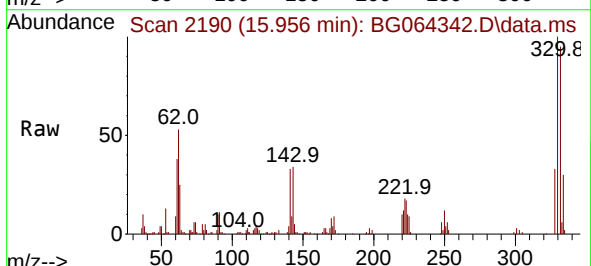
Tgt Ion:330 Resp: 95776

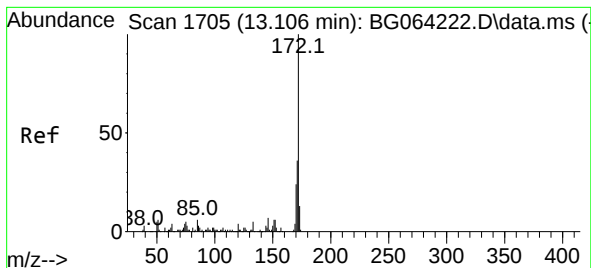
Ion Ratio Lower Upper

330 100

332 94.6 77.6 116.4

141 33.8 29.8 44.6





#45

2-Fluorobiphenyl

Concen: 54.057 ng

RT: 13.094 min Scan# 1

Delta R.T. -0.017 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

Instrument :

BNA_G

ClientSampleId :

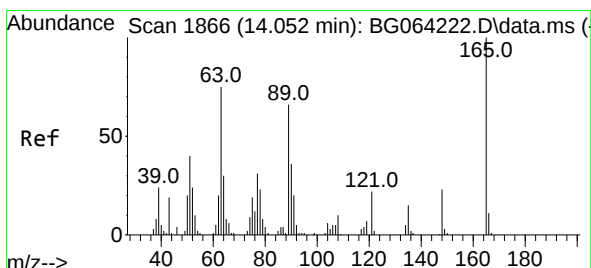
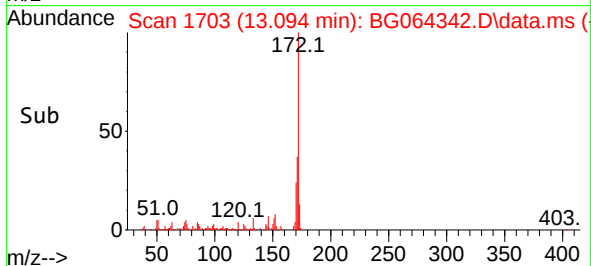
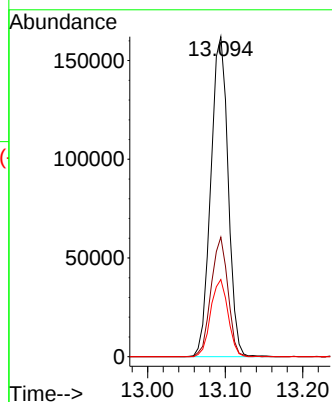
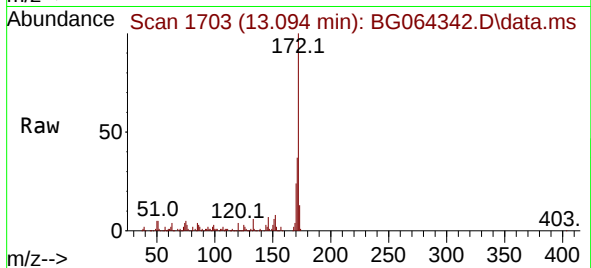
Tgt Ion:172 Resp: 251612

Ion Ratio Lower Upper

172 100

171 37.4 28.7 43.1

170 24.1 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.784 ng

RT: 14.469 min Scan# 1937

Delta R.T. 0.412 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

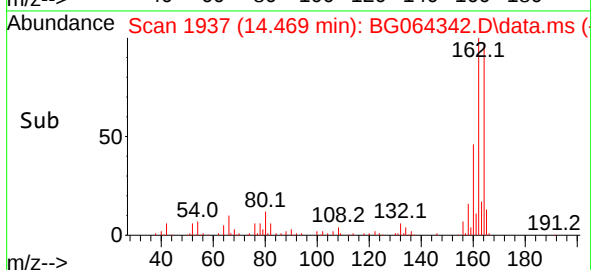
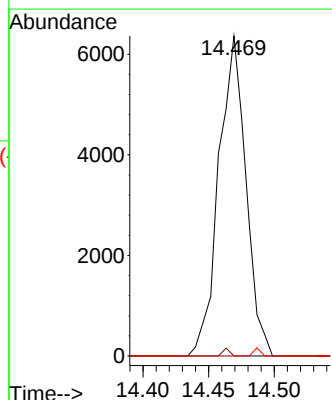
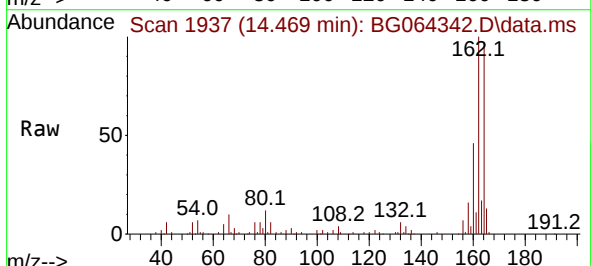
Tgt Ion:165 Resp: 9145

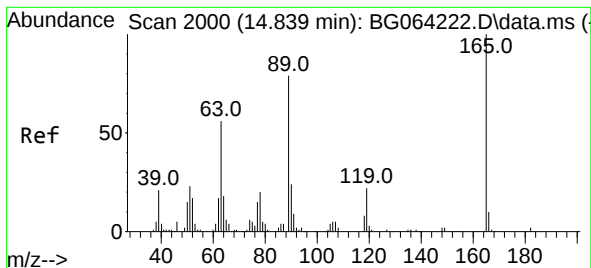
Ion Ratio Lower Upper

165 100

63 0.0 60.3 90.5#

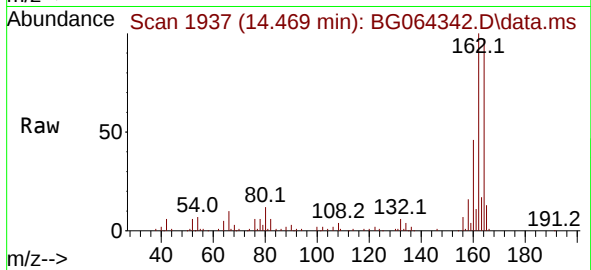
89 0.0 52.9 79.3#



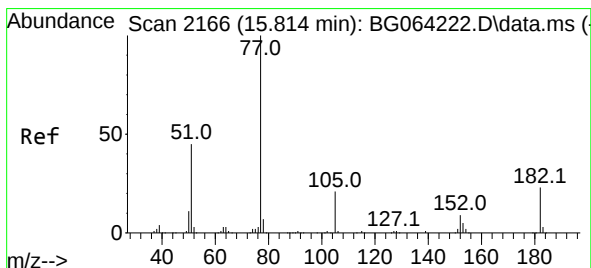
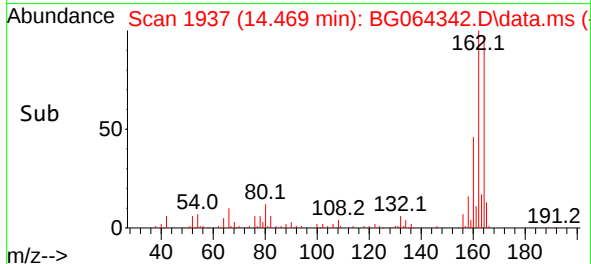
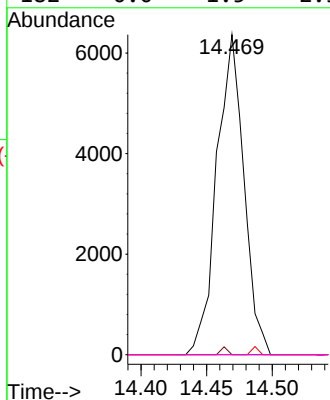


#57
2,4-Dinitrotoluene
Concen: 5.810 ng
RT: 14.469 min Scan# 1937
Delta R.T. -0.376 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Instrument :
BNA_G
ClientSampleId :

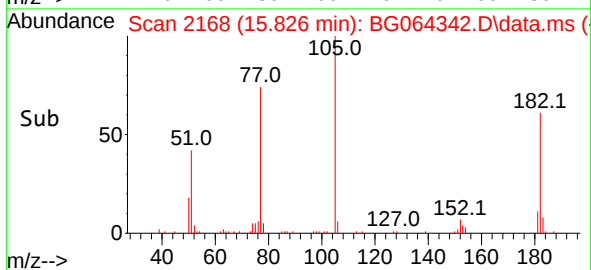
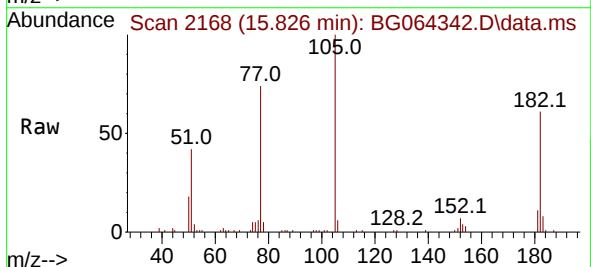
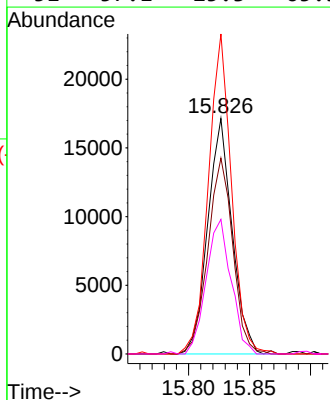


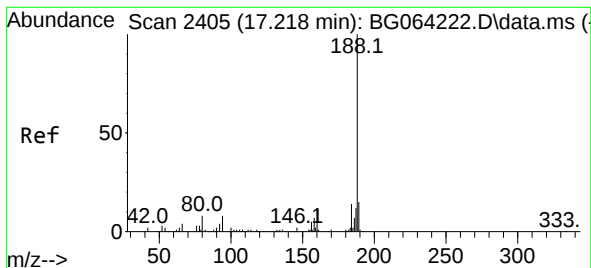
Tgt Ion:	165	Resp:	9145
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.6	67.0#
89	0.0	63.0	94.4#
182	0.0	1.5	2.3#



#63
Azobenzene
Concen: 4.669 ng
RT: 15.826 min Scan# 2168
Delta R.T. 0.006 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion:	77	Resp:	23947
Ion	Ratio	Lower	Upper
77	100		
182	83.1	3.3	43.3#
105	135.8	0.6	40.6#
51	57.1	25.3	65.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 2405

Delta R.T. -0.017 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

Instrument :

BNA_G

ClientSampleId :

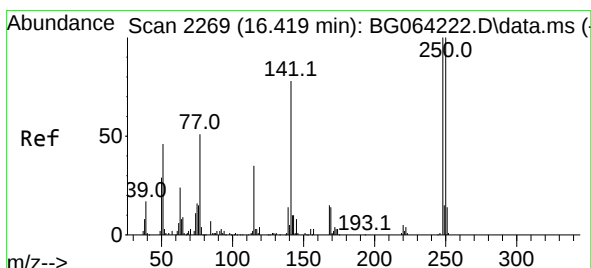
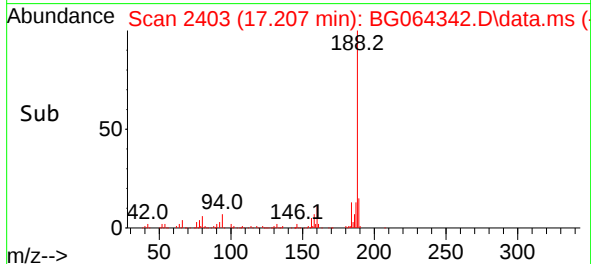
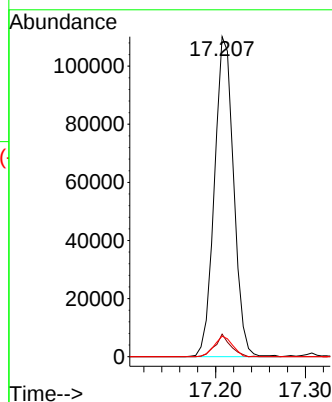
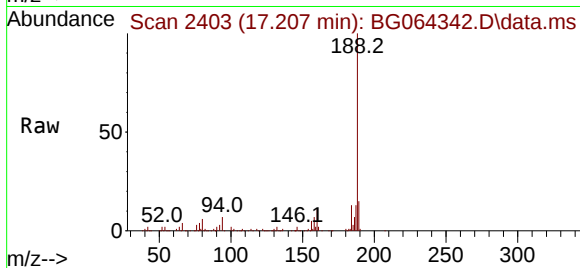
Tgt Ion:188 Resp: 163265

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

80 6.4 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 3.745 ng

RT: 15.956 min Scan# 2190

Delta R.T. -0.464 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

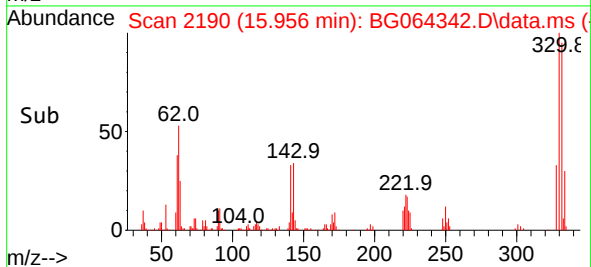
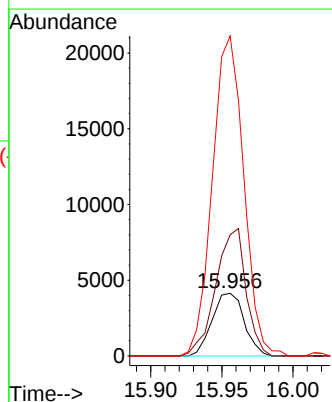
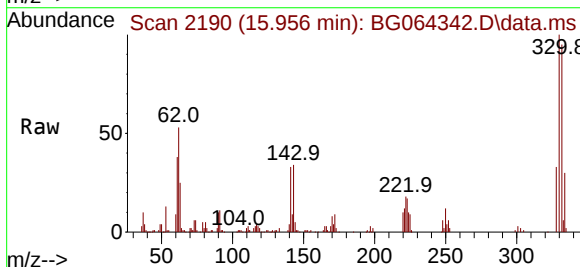
Tgt Ion:248 Resp: 6494

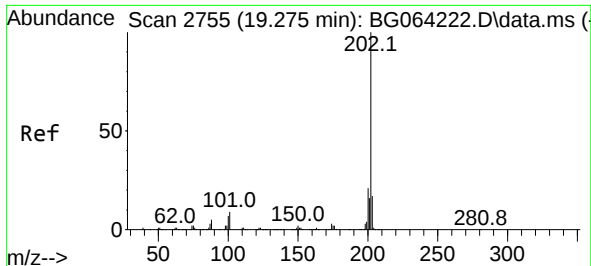
Ion Ratio Lower Upper

248 100

250 193.2 80.2 120.4#

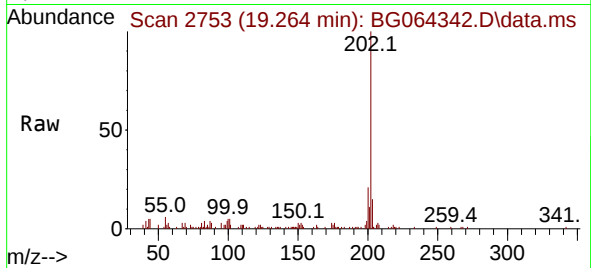
141 510.7 62.4 93.6#



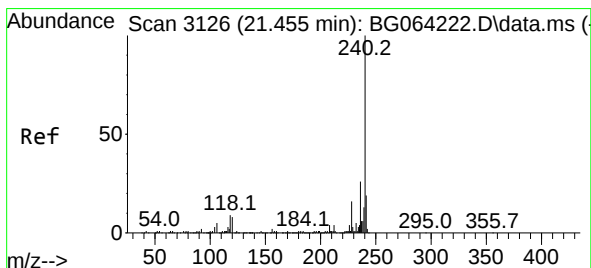
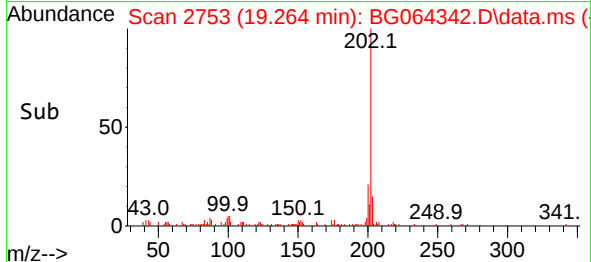
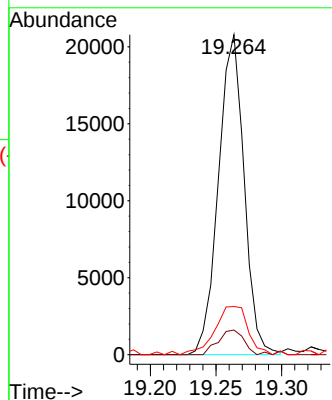


#75
Fluoranthene
Concen: 2.786 ng
RT: 19.264 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Instrument :
BNA_G
ClientSampleId :

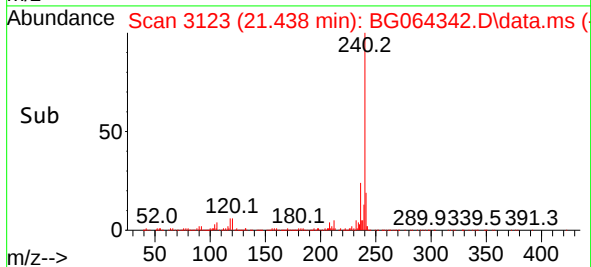
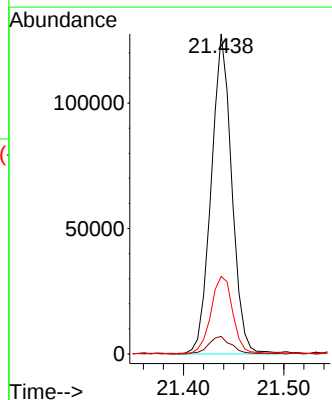
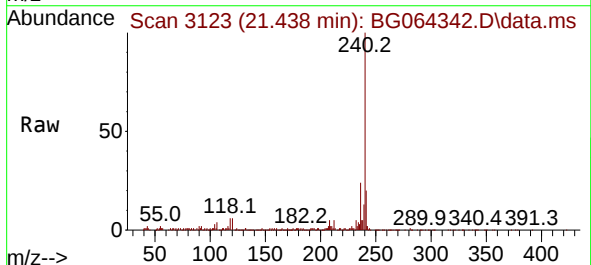


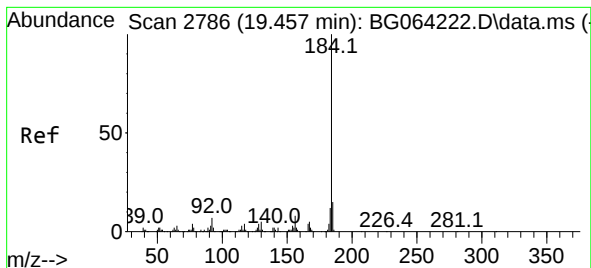
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.7
203	15.1	0.0	36.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.438 min Scan# 3123
Delta R.T. -0.017 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	6.2	9.4#
236	24.2	20.5	30.7





#77

Benzidine

Concen: 2.720 ng

RT: 19.828 min Scan# 2849

Delta R.T. 0.370 min

Lab File: BG064342.D

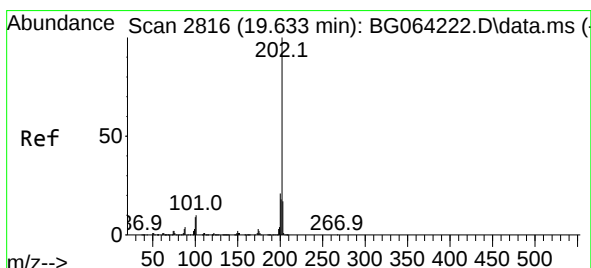
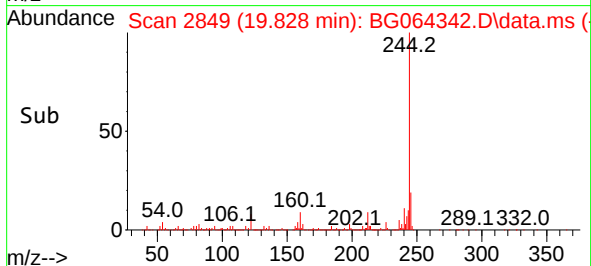
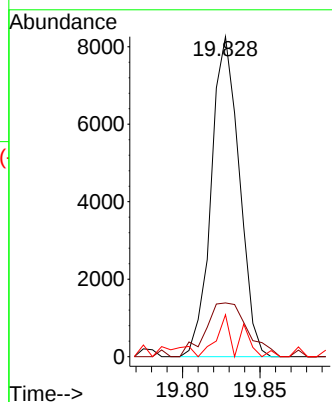
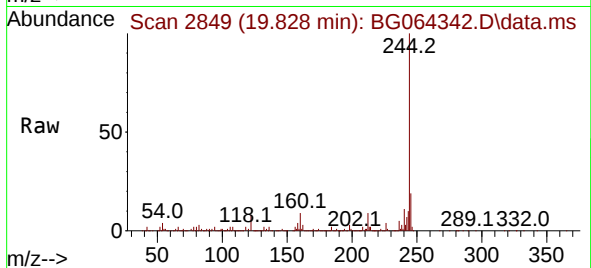
Acq: 10 Sep 2025 21:32

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:184	Resp:	10395
Ion Ratio	Lower	Upper
184	100	
185	16.8	11.7 17.5
183	13.1	9.7 14.5



#78

Pyrene

Concen: 2.950 ng

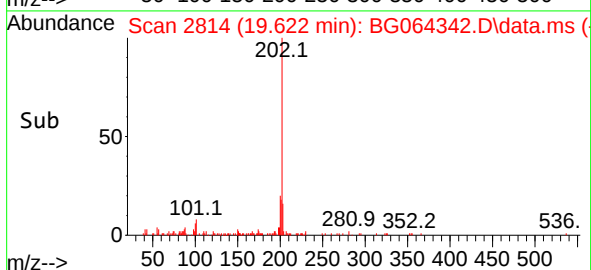
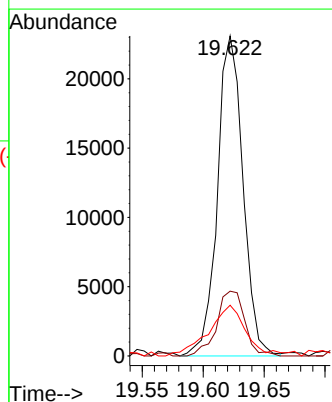
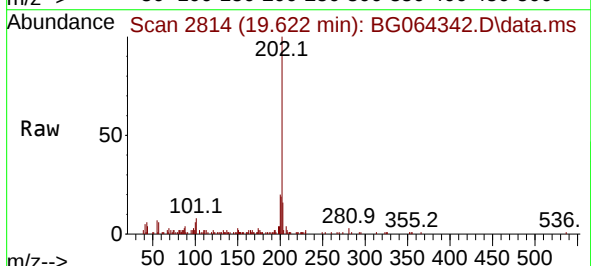
RT: 19.622 min Scan# 2814

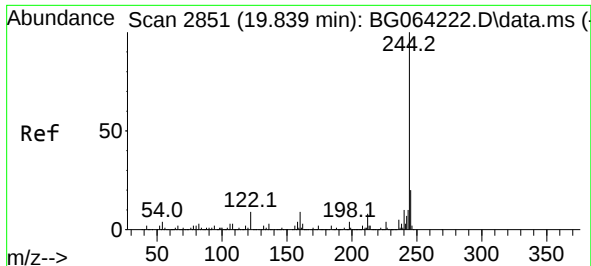
Delta R.T. -0.017 min

Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

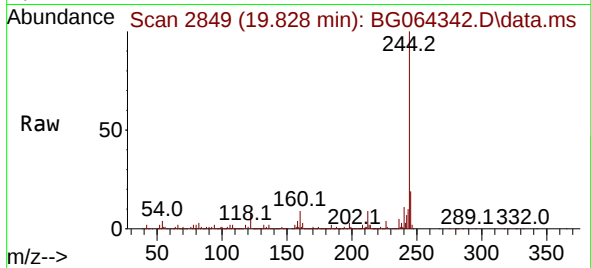
Tgt Ion:202	Resp:	33761
Ion Ratio	Lower	Upper
202	100	
200	20.3	16.9 25.3
203	15.9	13.8 20.8



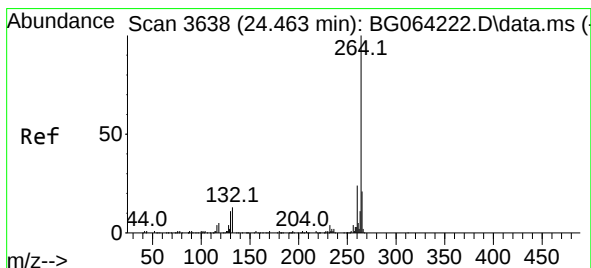
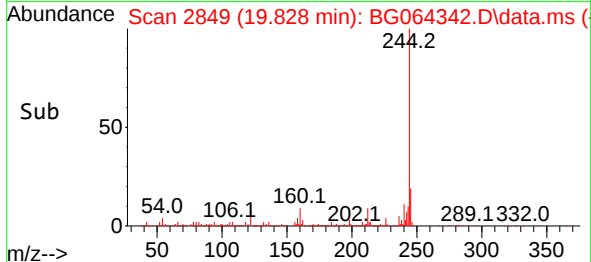
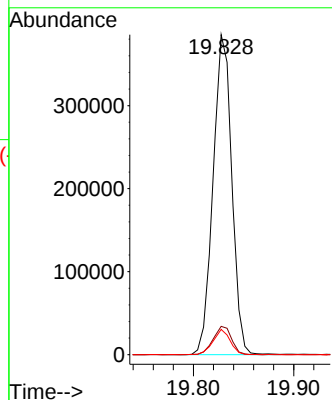


#79
 Terphenyl-d14
 Concen: 57.233 ng
 RT: 19.828 min Scan# 2849
 Delta R.T. -0.017 min
 Lab File: BG064342.D
 Acq: 10 Sep 2025 21:32

Instrument :
 BNA_G
 ClientSampleId :

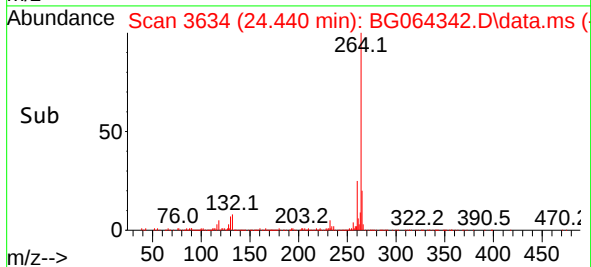
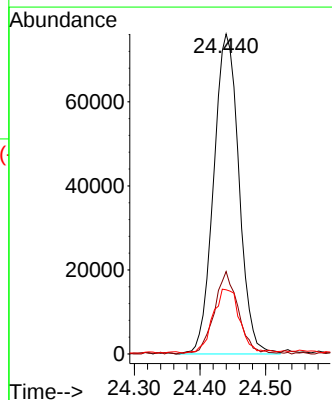
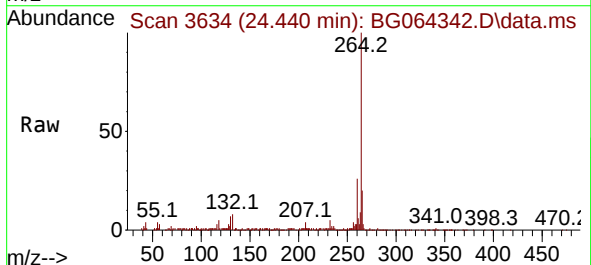


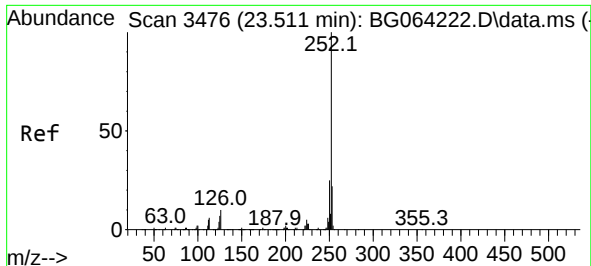
Tgt Ion:244 Resp: 498318
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.6 10.0
 122 7.9 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.440 min Scan# 3634
 Delta R.T. -0.023 min
 Lab File: BG064342.D
 Acq: 10 Sep 2025 21:32

Tgt Ion:264 Resp: 203704
 Ion Ratio Lower Upper
 264 100
 260 25.7 18.9 28.3
 265 20.1 16.7 25.1

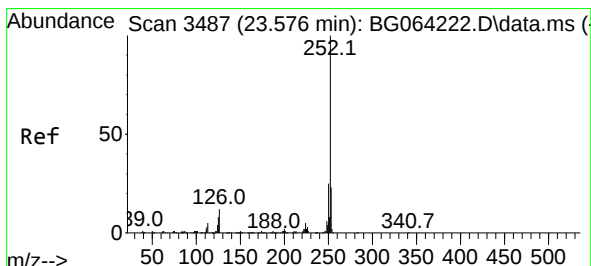
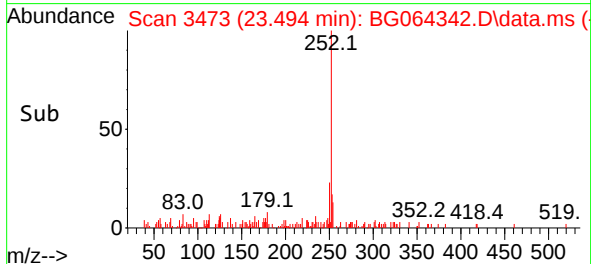
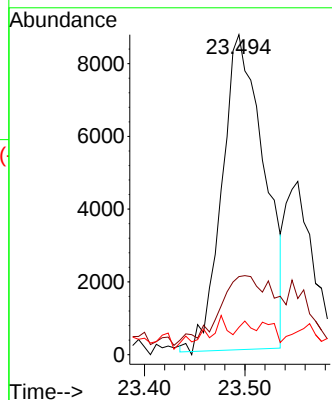
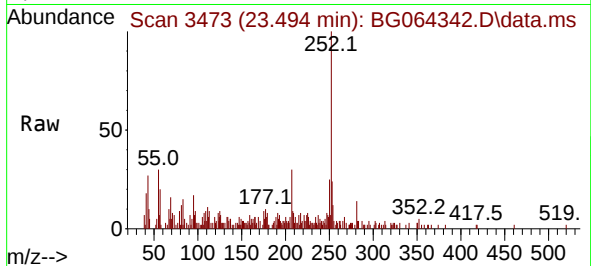




#88
Benzo(b)fluoranthene
Concen: 2.189 ng
RT: 23.494 min Scan# 3473
Delta R.T. -0.023 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

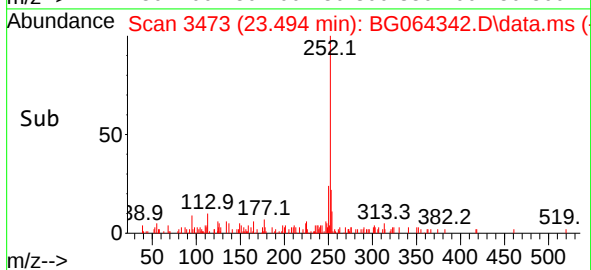
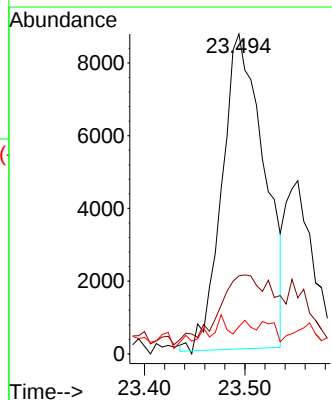
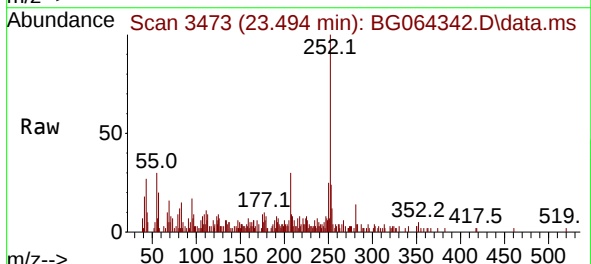
Instrument :
BNA_G
ClientSampleId :

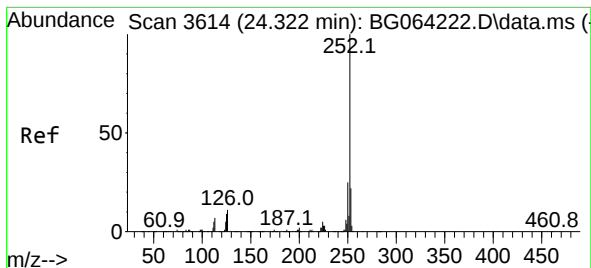
Tgt Ion:252 Resp: 25166
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 8.6 5.9 8.9



#89
Benzo(k)fluoranthene
Concen: 2.149 ng
RT: 23.494 min Scan# 3473
Delta R.T. -0.094 min
Lab File: BG064342.D
Acq: 10 Sep 2025 21:32

Tgt Ion:252 Resp: 25166
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.4
125 8.6 7.0 10.4





#90

Benzo(a)pyrene

Concen: 2.006 ng

RT: 24.299 min Scan# 30

Delta R.T. -0.029 min

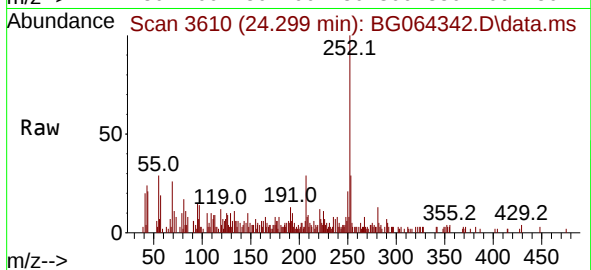
Lab File: BG064342.D

Acq: 10 Sep 2025 21:32

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:252 Resp: 21451

Ion Ratio Lower Upper

252 100

253 29.2 17.4 26.2#

125 10.3 7.0 10.6

