

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110525\
 Data File : BG064694.D
 Acq On : 5 Nov 2025 20:48
 Operator : RC/JU
 Sample : Q3532-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Nov 06 00:10:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

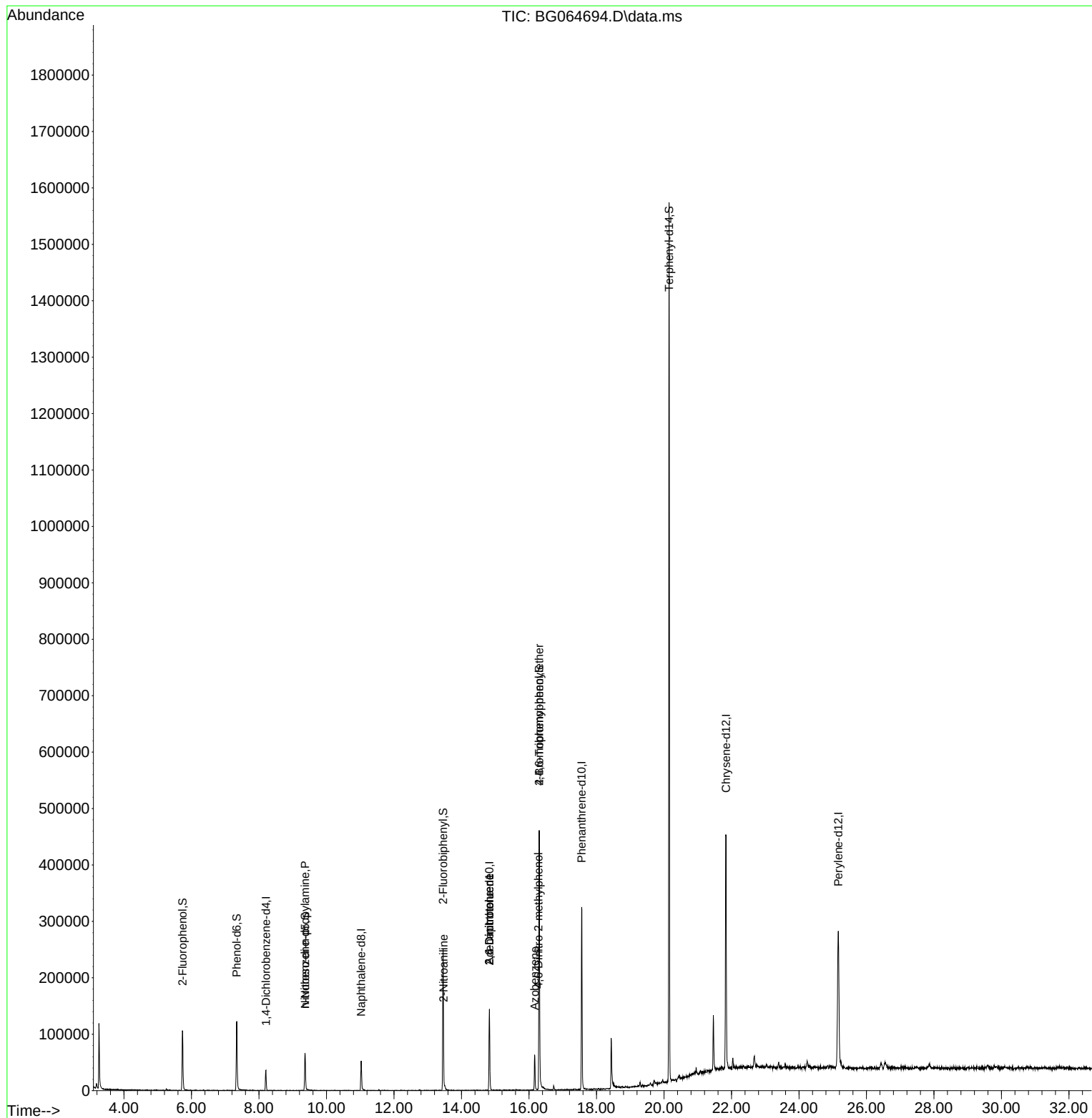
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.207	152	10618	20.000	ng	-0.02
21) Naphthalene-d8	11.027	136	45748	20.000	ng	-0.02
39) Acenaphthene-d10	14.828	164	57701	20.000	ng	-0.02
64) Phenanthrene-d10	17.560	188	225609	20.000	ng	-0.02
76) Chrysene-d12	21.838	240	296691	20.000	ng	#-0.02
86) Perylene-d12	25.163	264	306504	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	49887	78.861	ng	-0.02
7) Phenol-d6	7.343	99	72494	83.514	ng	-0.01
23) Nitrobenzene-d5	9.364	82	40172	52.742	ng	-0.02
42) 2,4,6-Tribromophenol	16.303	330	115985	139.271	ng	-0.02
45) 2-Fluorobiphenyl	13.453	172	149513	39.276	ng	-0.02
79) Terphenyl-d14	20.151	244	827567	52.639	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.364	70	5284	8.808	ng	# 67
48) 2-Nitroaniline	13.471	65	66	3.284	ng	# 10
51) 2,6-Dinitrotoluene	14.828	165	6920	12.060	ng	# 17
57) 2,4-Dinitrotoluene	14.828	165	6920	8.804	ng	# 20
63) Azobenzene	16.168	77	20567	4.972	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.285	198	54	5.475	ng	# 1
67) 4-Bromophenyl-phenylether	16.303	248	6633	2.481	ng	# 1

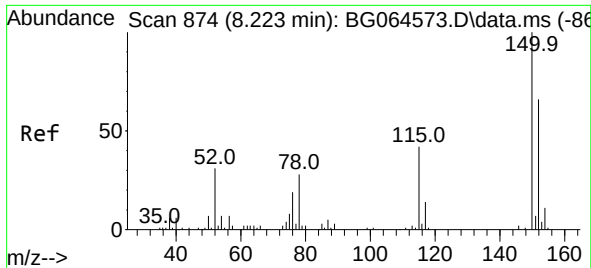
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110525\
Data File : BG064694.D
Acq On : 5 Nov 2025 20:48
Operator : RC/JU
Sample : Q3532-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-1

Quant Time: Nov 06 00:10:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

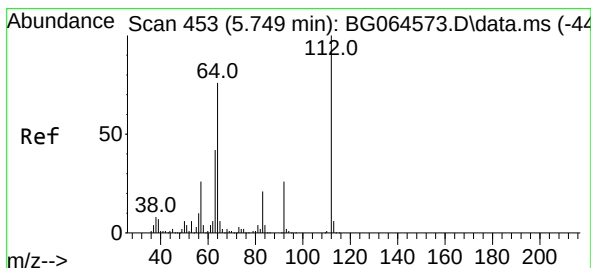
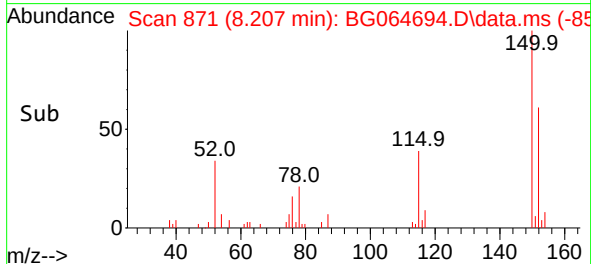
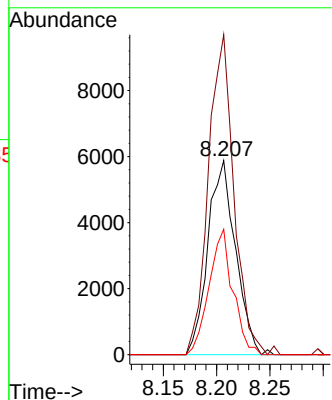
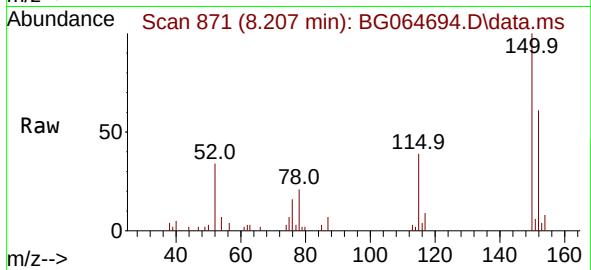




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.207 min Scan# 81
Delta R.T. -0.016 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

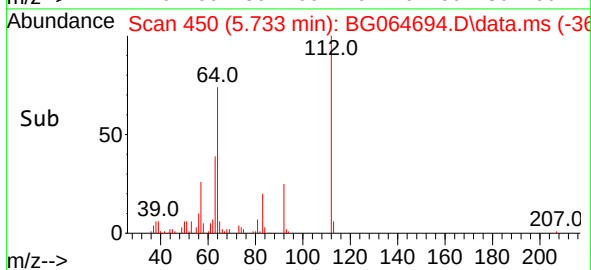
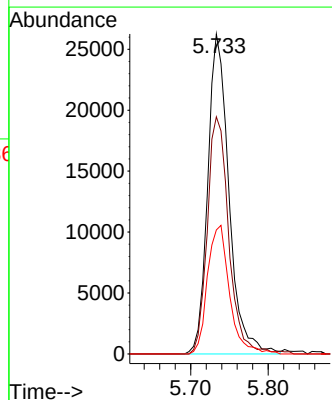
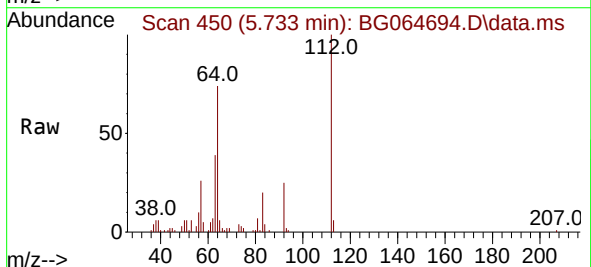
Instrument :
BNA_G
ClientSampleId :
TP-1

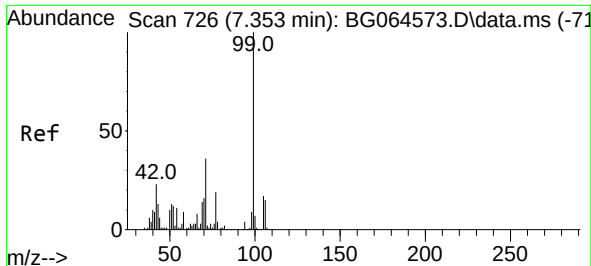
Tgt Ion:152 Resp: 10618
Ion Ratio Lower Upper
152 100
150 164.9 122.2 183.4
115 64.7 50.8 76.2



#5
2-Fluorophenol
Concen: 78.861 ng
RT: 5.733 min Scan# 450
Delta R.T. -0.016 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

Tgt Ion:112 Resp: 49887
Ion Ratio Lower Upper
112 100
64 74.1 60.7 91.1
63 38.8 33.4 50.0

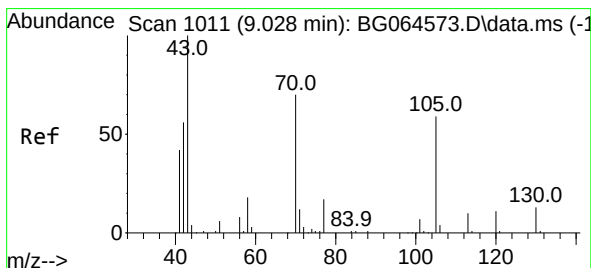
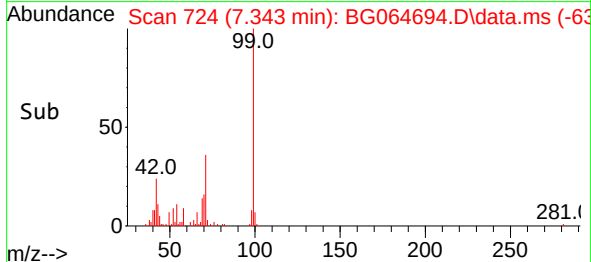
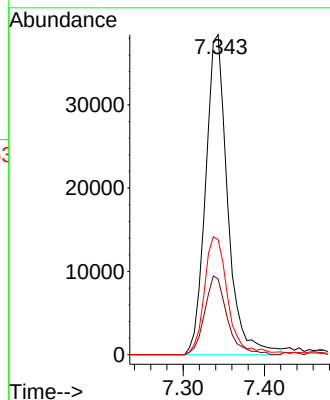
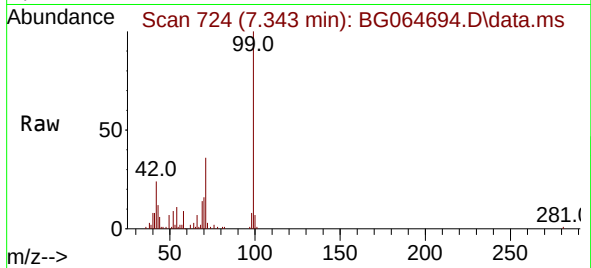




#7
Phenol-d6
Concen: 83.514 ng
RT: 7.343 min Scan# 71
Delta R.T. -0.010 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

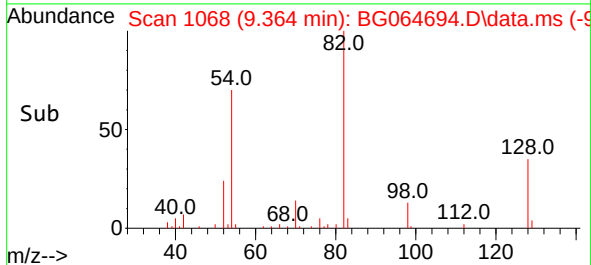
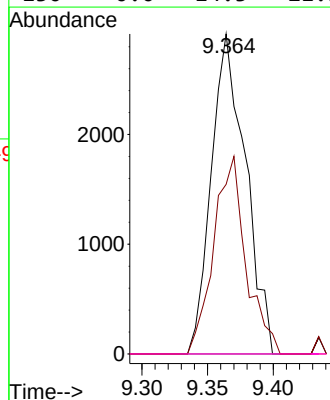
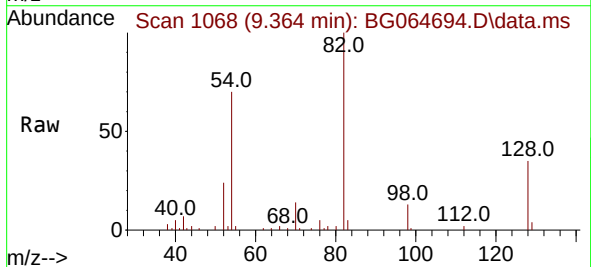
Instrument :
BNA_G
ClientSampleId :
TP-1

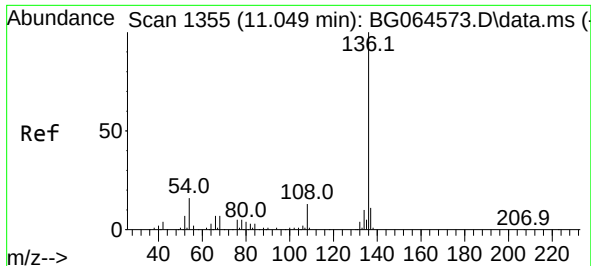
Tgt Ion: 99 Resp: 72494
Ion Ratio Lower Upper
99 100
42 23.6 18.3 27.5
71 35.9 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 8.808 ng
RT: 9.364 min Scan# 1068
Delta R.T. 0.336 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

Tgt Ion: 70 Resp: 5284
Ion Ratio Lower Upper
70 100
42 53.0 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#

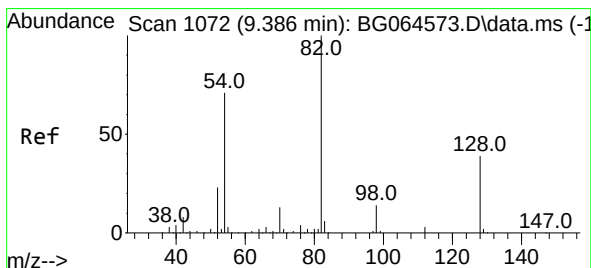
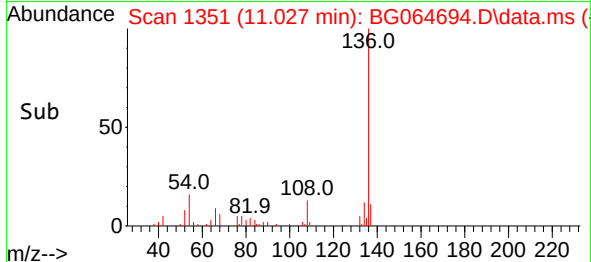
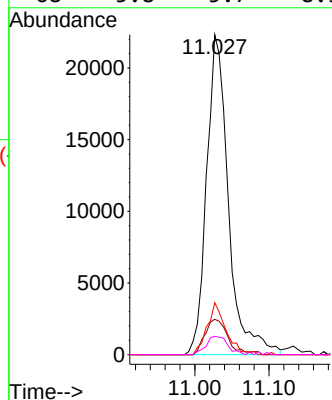
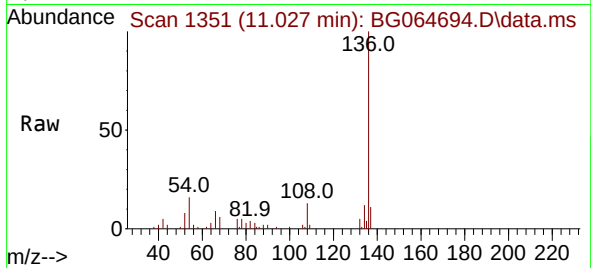




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.027 min Scan# 11
Delta R.T. -0.022 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

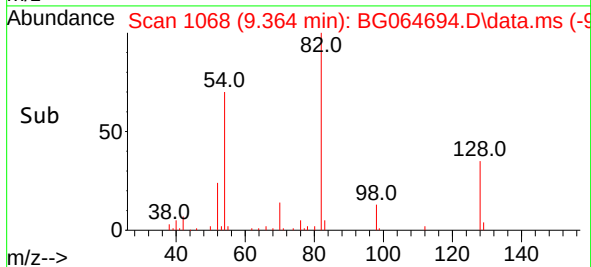
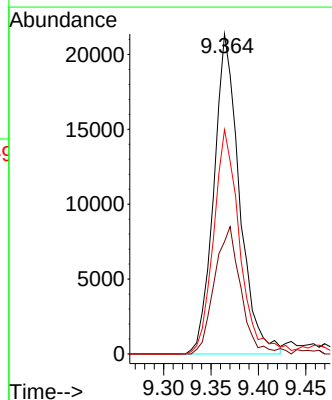
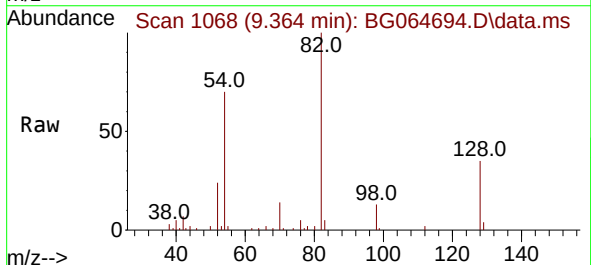
Instrument :
BNA_G
ClientSampleId :
TP-1

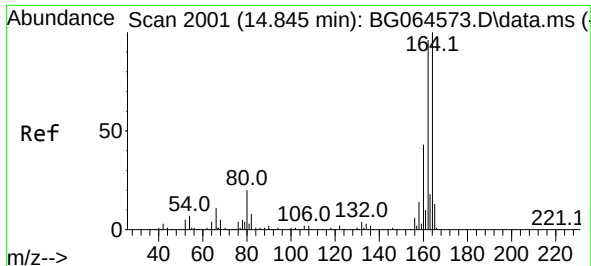
Tgt Ion:	136	Resp:	45748
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	16.2	12.6	19.0
68	5.8	5.7	8.5



#23
Nitrobenzene-d5
Concen: 52.742 ng
RT: 9.364 min Scan# 1068
Delta R.T. -0.022 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

Tgt Ion:	82	Resp:	40172
Ion	Ratio	Lower	Upper
82	100		
128	35.1	31.3	46.9
54	70.1	56.6	84.8

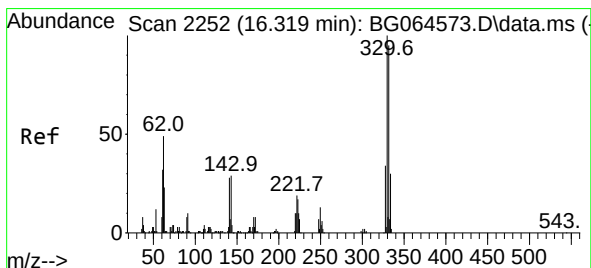
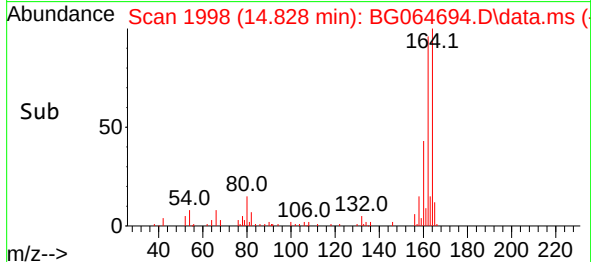
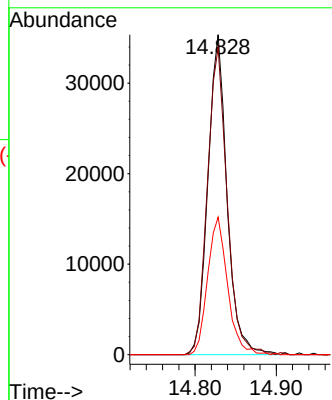
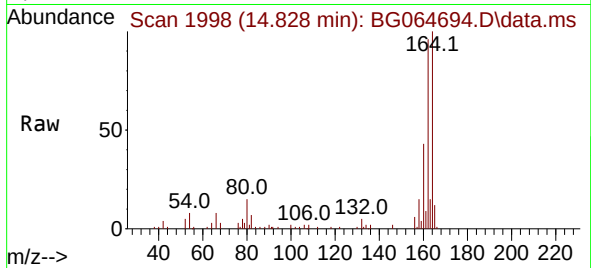




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.828 min Scan# 1998
Delta R.T. -0.016 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

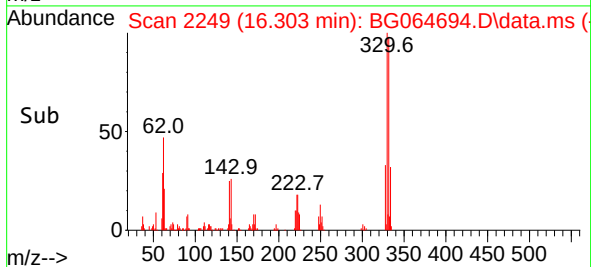
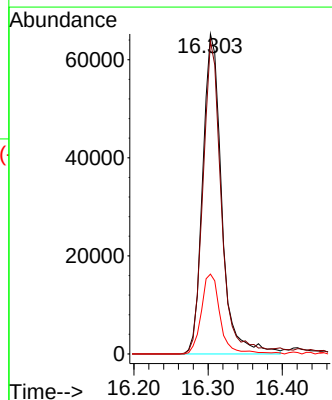
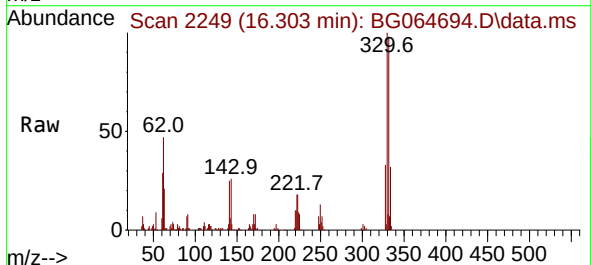
Instrument :
BNA_G
ClientSampleId :
TP-1

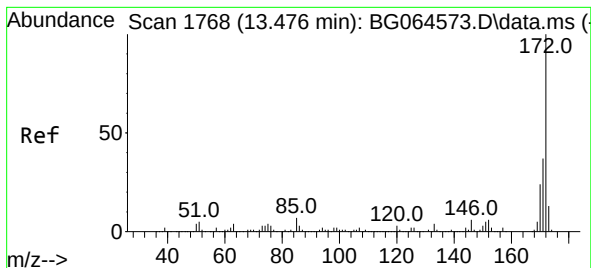
Tgt Ion:164 Resp: 57701
Ion Ratio Lower Upper
164 100
162 95.9 77.0 115.6
160 42.9 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 139.271 ng
RT: 16.303 min Scan# 2249
Delta R.T. -0.016 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

Tgt Ion:330 Resp: 115985
Ion Ratio Lower Upper
330 100
332 94.0 78.0 117.0
141 24.9 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 39.276 ng

RT: 13.453 min Scan# 1

Delta R.T. -0.022 min

Lab File: BG064694.D

Acq: 5 Nov 2025 20:48

Instrument :

BNA_G

ClientSampleId :

TP-1

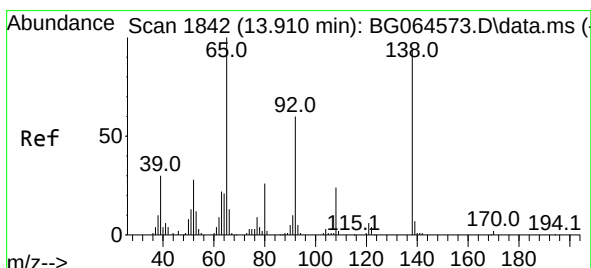
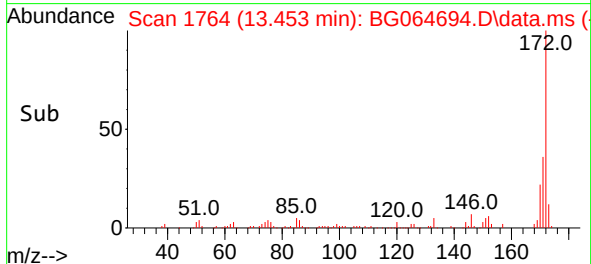
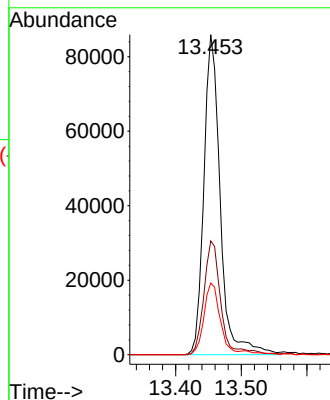
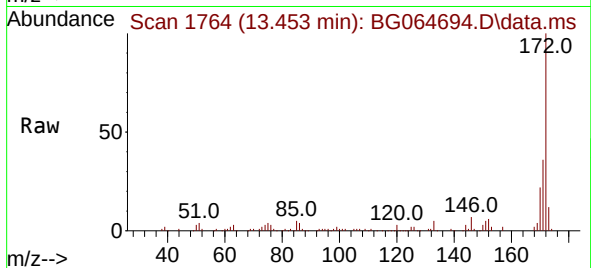
Tgt Ion:172 Resp: 149513

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

170 22.4 19.1 28.7



#48

2-Nitroaniline

Concen: 3.284 ng

RT: 13.471 min Scan# 1767

Delta R.T. -0.439 min

Lab File: BG064694.D

Acq: 5 Nov 2025 20:48

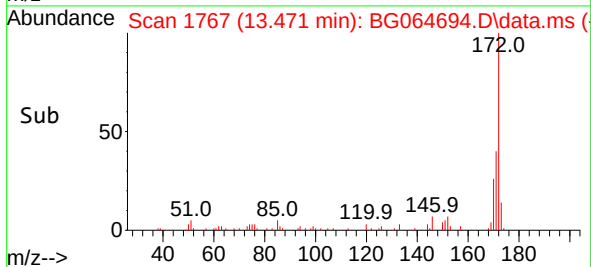
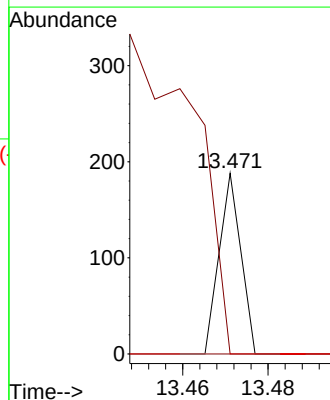
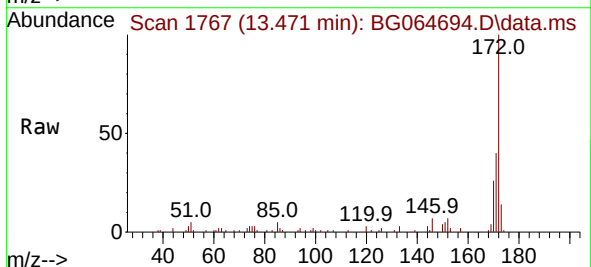
Tgt Ion: 65 Resp: 66

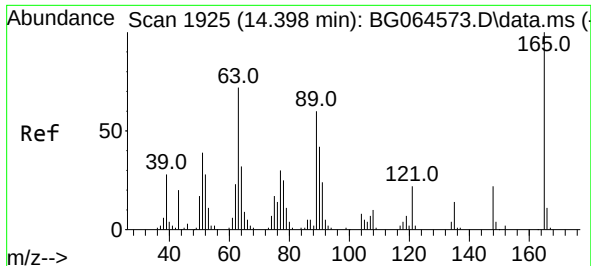
Ion Ratio Lower Upper

65 100

92 0.0 48.3 72.5#

138 0.0 74.9 112.3#





#51

2,6-Dinitrotoluene

Concen: 12.060 ng

RT: 14.828 min Scan# 19

Delta R.T. 0.430 min

Lab File: BG064694.D

Acq: 5 Nov 2025 20:48

Instrument :

BNA_G

ClientSampleId :

TP-1

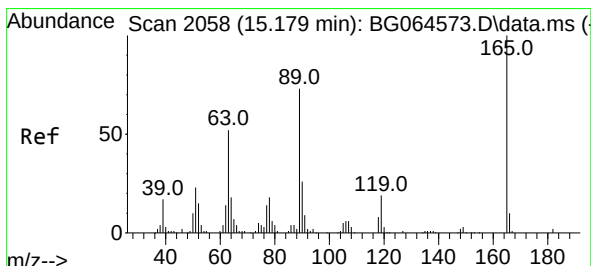
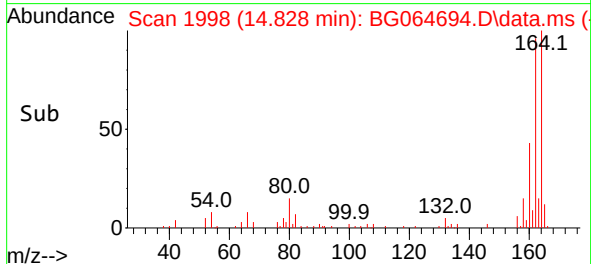
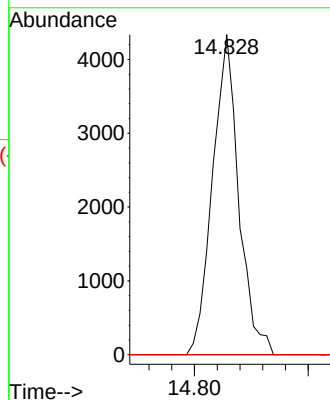
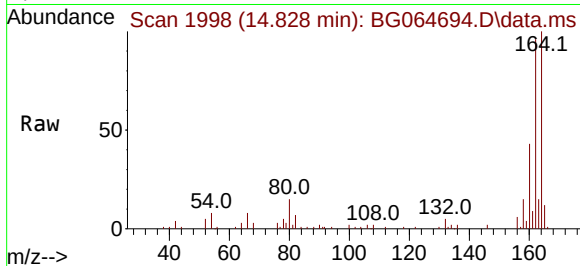
Tgt Ion:165 Resp: 6920

Ion Ratio Lower Upper

165 100

63 0.0 57.4 86.0#

89 0.0 47.8 71.8#



#57

2,4-Dinitrotoluene

Concen: 8.804 ng

RT: 14.828 min Scan# 1998

Delta R.T. -0.351 min

Lab File: BG064694.D

Acq: 5 Nov 2025 20:48

Tgt Ion:165 Resp: 6920

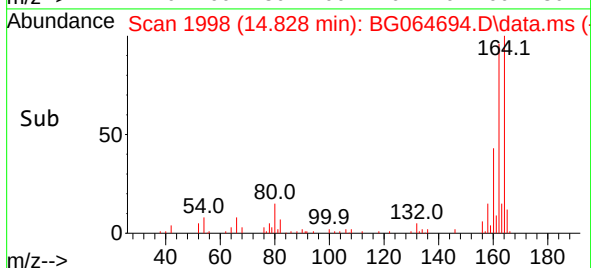
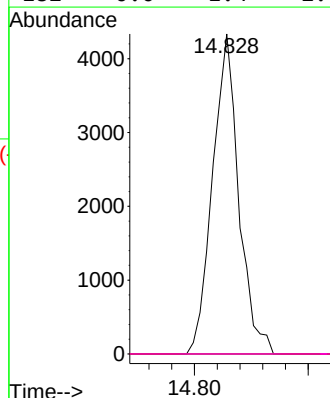
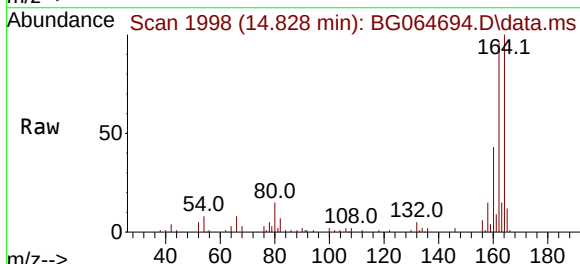
Ion Ratio Lower Upper

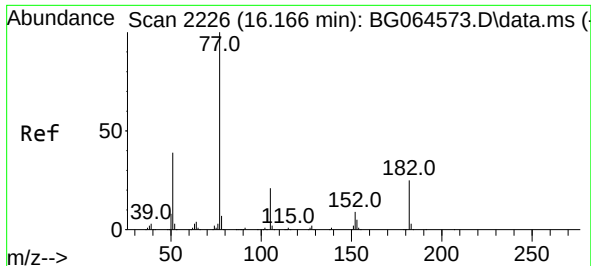
165 100

63 0.0 41.8 62.8#

89 0.0 58.1 87.1#

182 0.0 1.4 2.0#

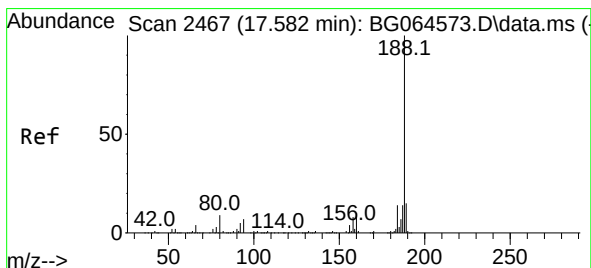
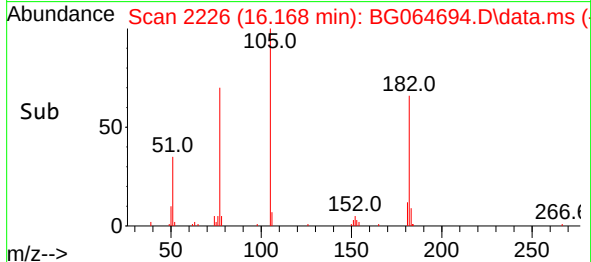
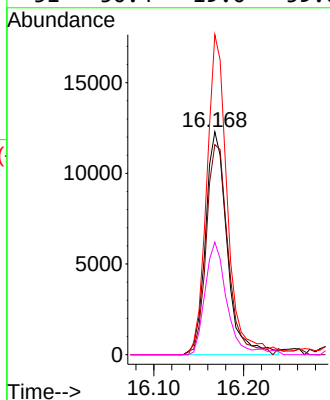
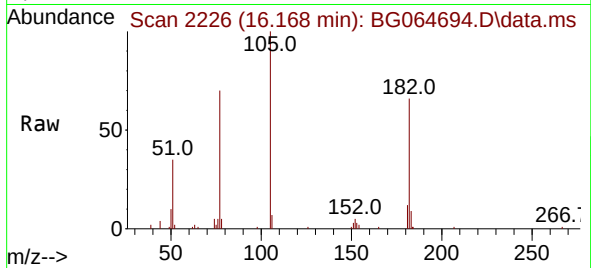




#63
 Azobenzene
 Concen: 4.972 ng
 RT: 16.168 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG064694.D
 Acq: 5 Nov 2025 20:48

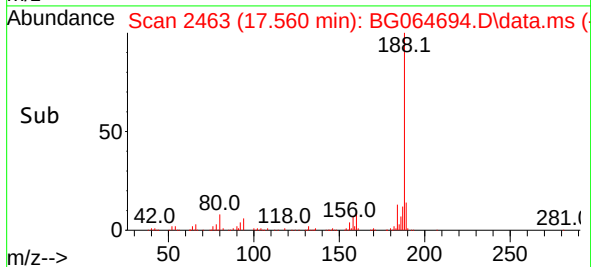
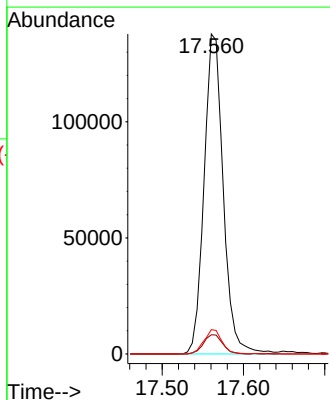
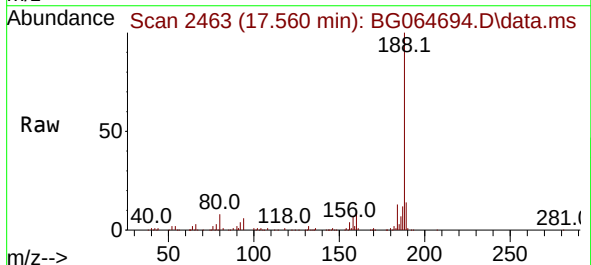
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

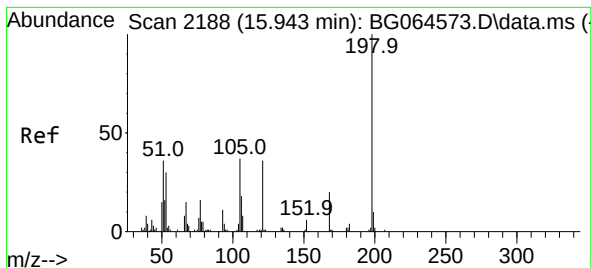
Tgt Ion: 77	Resp: 20567
Ion Ratio	Lower Upper
77 100	
182 94.3	4.9 44.9#
105 143.5	1.3 41.3#
51 50.4	19.0 59.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.560 min Scan# 2463
 Delta R.T. -0.022 min
 Lab File: BG064694.D
 Acq: 5 Nov 2025 20:48

Tgt Ion: 188	Resp: 225609
Ion Ratio	Lower Upper
188 100	
94 6.0	5.7 8.5
80 7.6	6.8 10.2

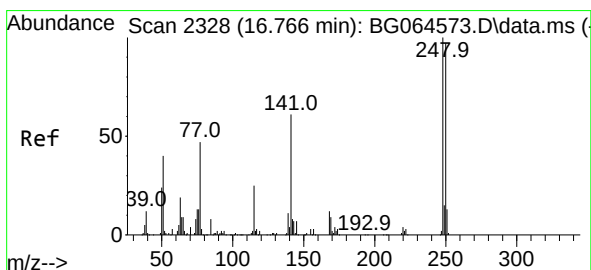
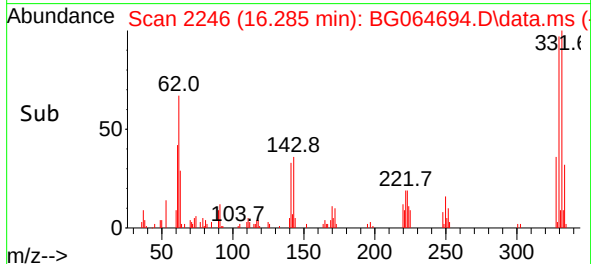
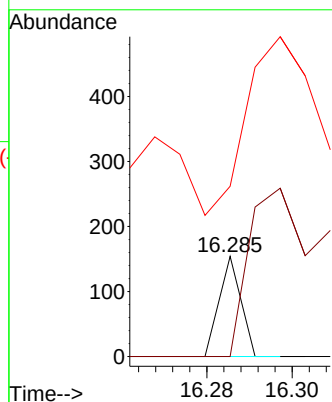
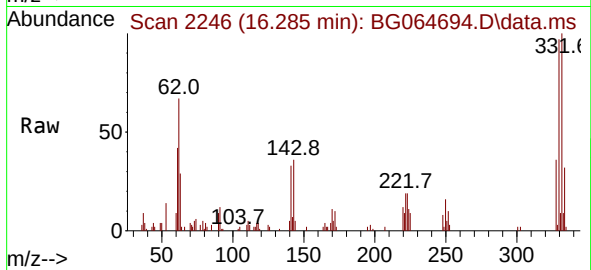




#65
4,6-Dinitro-2-methylphenol
Concen: 5.475 ng
RT: 16.285 min Scan# 2188
Delta R.T. 0.342 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

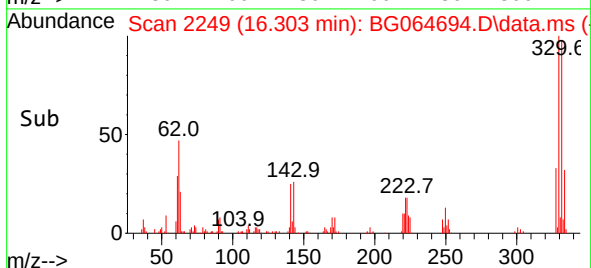
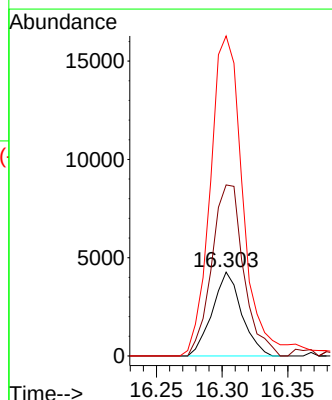
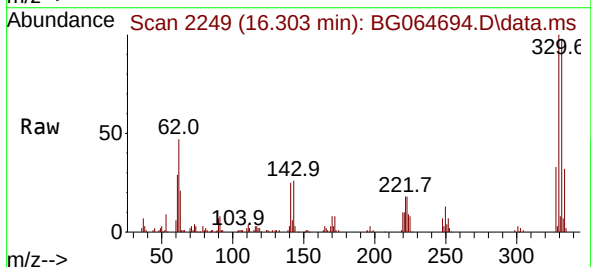
Instrument :
BNA_G
ClientSampleId :
TP-1

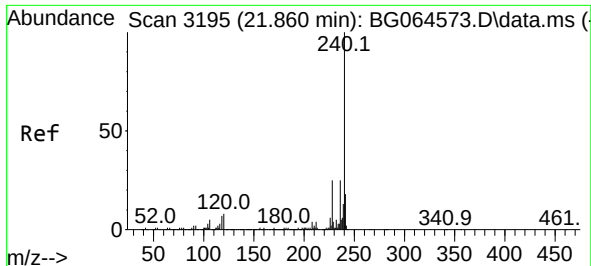
Tgt Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 0.0 24.7 64.7#
105 170.1 18.0 58.0#



#67
4-Bromophenyl-phenylether
Concen: 2.481 ng
RT: 16.303 min Scan# 2249
Delta R.T. -0.463 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

Tgt Ion:248 Resp: 6633
Ion Ratio Lower Upper
248 100
250 188.1 77.7 116.5#
141 268.0 48.6 72.8#

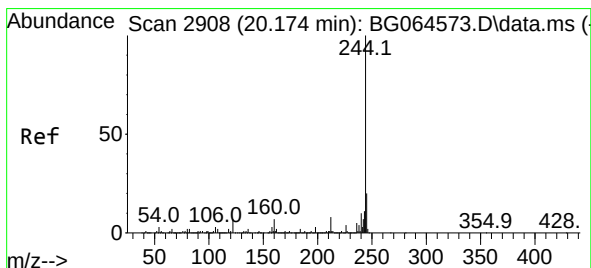
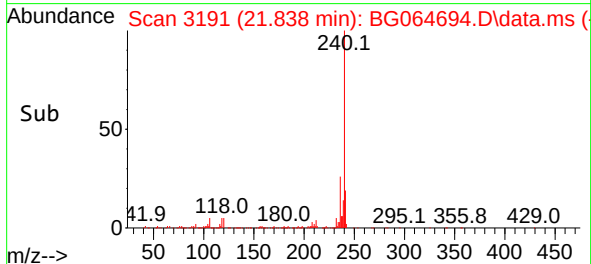
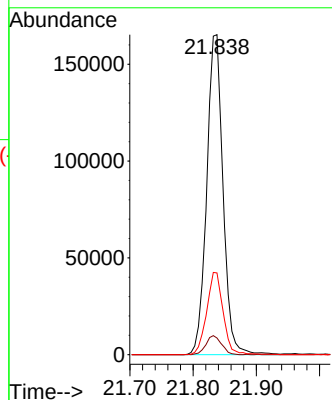
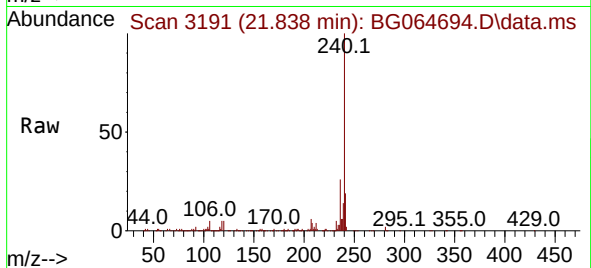




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.838 min Scan# 31
Delta R.T. -0.022 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

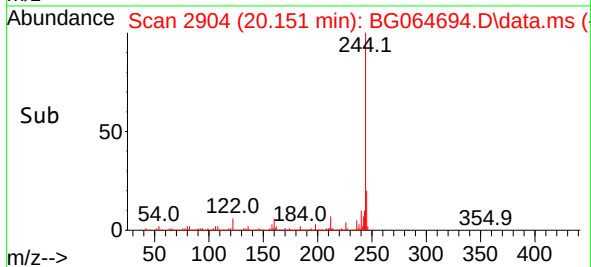
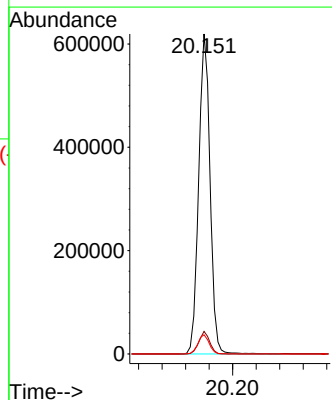
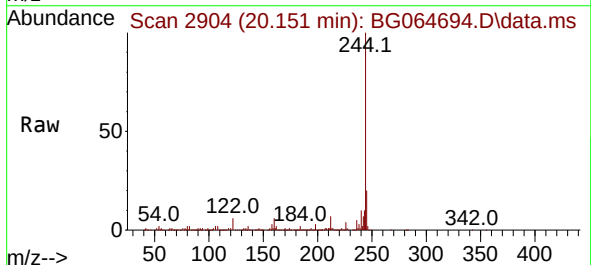
Instrument :
BNA_G
ClientSampleId :
TP-1

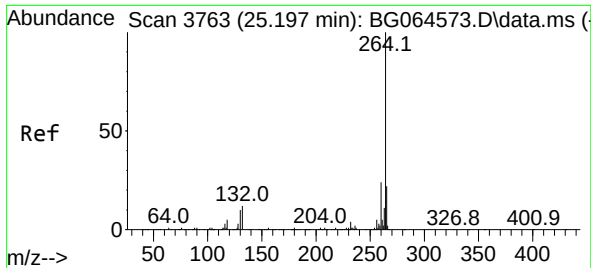
Tgt Ion:240 Resp: 296691
Ion Ratio Lower Upper
240 100
120 5.2 6.5 9.7#
236 25.6 20.2 30.2



#79
Terphenyl-d14
Concen: 52.639 ng
RT: 20.151 min Scan# 2904
Delta R.T. -0.022 min
Lab File: BG064694.D
Acq: 5 Nov 2025 20:48

Tgt Ion:244 Resp: 827567
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 6.0 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.163 min Scan# 31
 Delta R.T. -0.034 min
 Lab File: BG064694.D
 Acq: 5 Nov 2025 20:48

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:264 Resp: 306504
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.7 17.6 26.4

