

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110525\
 Data File : BG064691.D
 Acq On : 5 Nov 2025 18:45
 Operator : RC/JU
 Sample : PB170402BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170402BL

Quant Time: Nov 06 00:08:41 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)

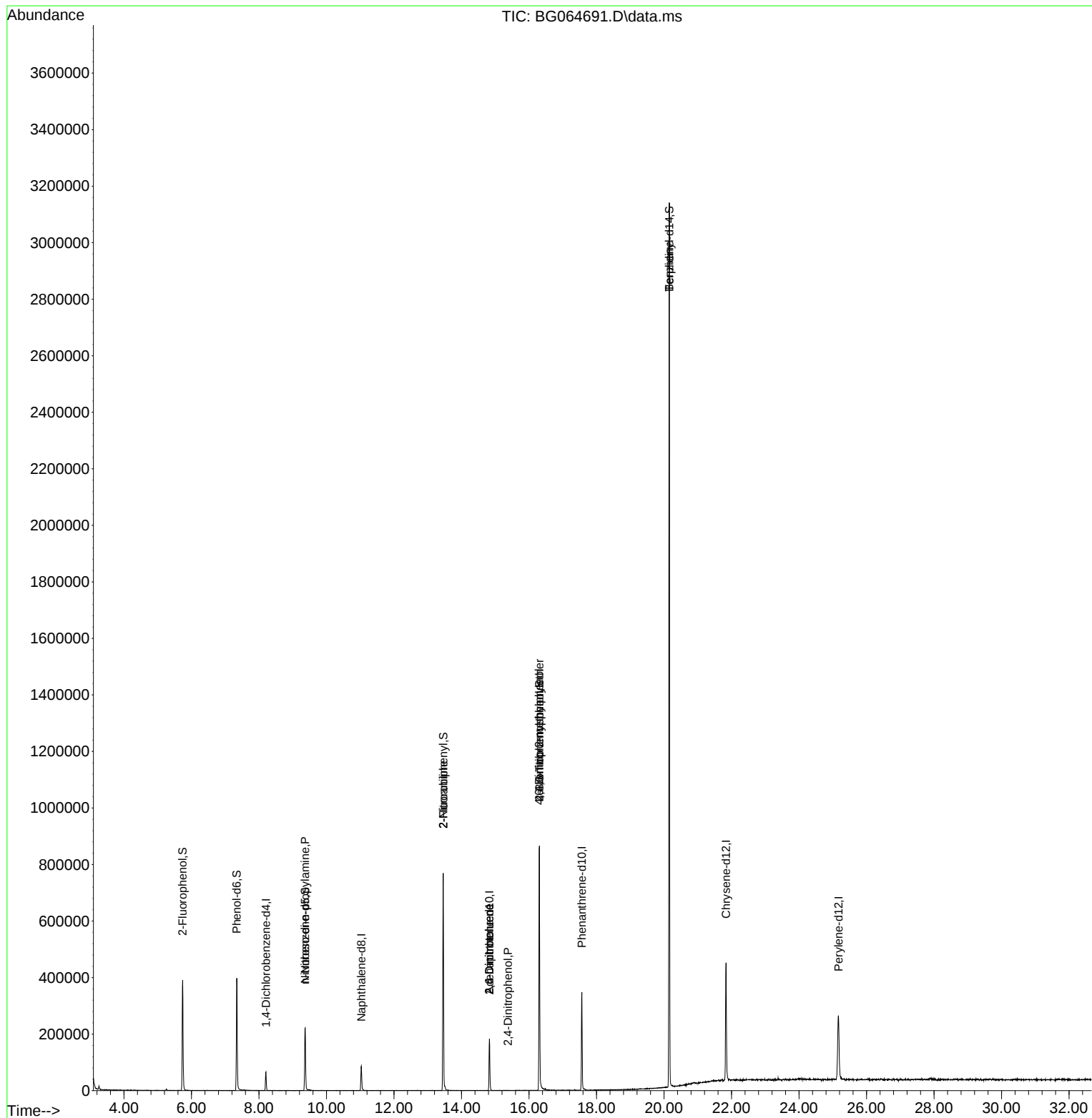
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.205	152	19318	20.000	ng	-0.02
21) Naphthalene-d8	11.031	136	77931	20.000	ng	#-0.02
39) Acenaphthene-d10	14.826	164	74381	20.000	ng	-0.02
64) Phenanthrene-d10	17.564	188	240875	20.000	ng	#-0.02
76) Chrysene-d12	21.836	240	296369	20.000	ng	#-0.02
86) Perylene-d12	25.167	264	292507	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.737	112	168297	146.229	ng	-0.01
7) Phenol-d6	7.341	99	221270	140.107	ng	-0.01
23) Nitrobenzene-d5	9.368	82	134601	103.739	ng	-0.02
42) 2,4,6-Tribromophenol	16.307	330	215582	200.814	ng	-0.01
45) 2-Fluorobiphenyl	13.457	172	436331	88.916	ng	-0.02
79) Terphenyl-d14	20.155	244	1661997	105.830	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.362	70	17347	15.894	ng	# 70
48) 2-Nitroaniline	13.457	65	803	3.784	ng	# 51
51) 2,6-Dinitrotoluene	14.826	165	9854	12.988	ng	# 17
54) 2,4-Dinitrophenol	15.379	184	68	5.682	ng	# 1
57) 2,4-Dinitrotoluene	14.826	165	9854	9.406	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.301	198	401	5.762	ng	# 1
67) 4-Bromophenyl-phenylether	16.307	248	12981	4.548	ng	# 1
77) Benzidine	20.155	184	24852	3.743	ng	# 94

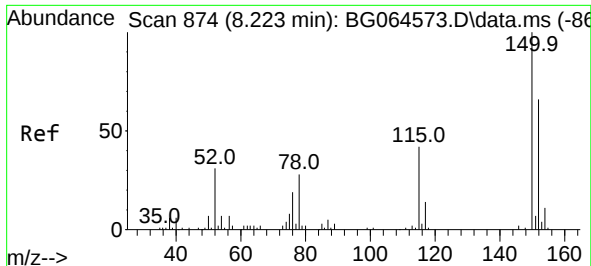
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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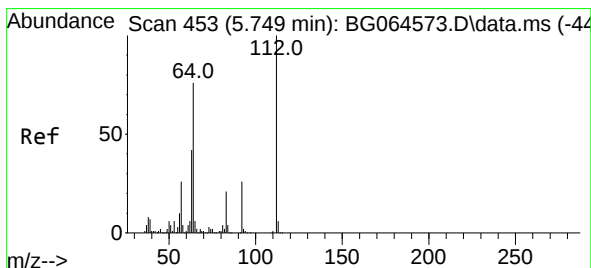
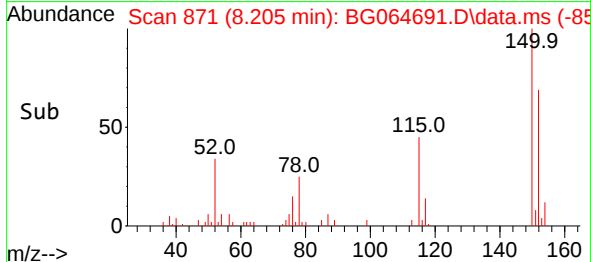
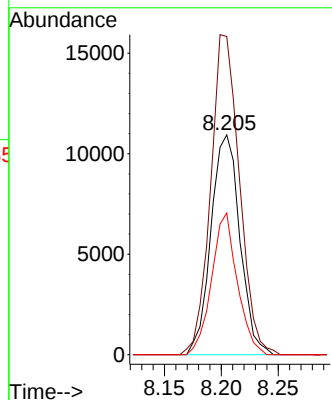
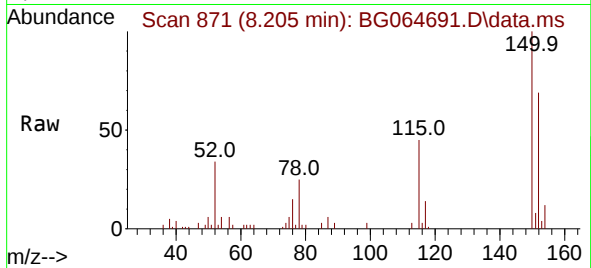




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.205 min Scan# 81
Delta R.T. -0.018 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

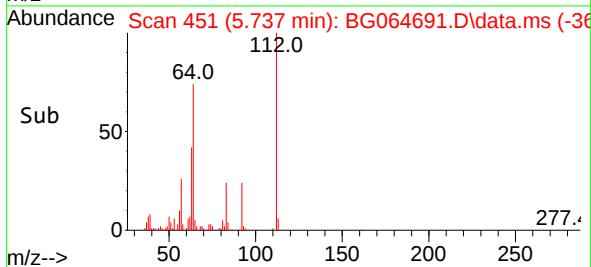
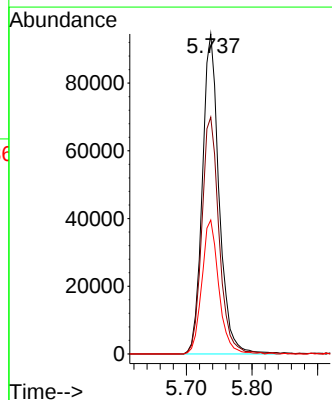
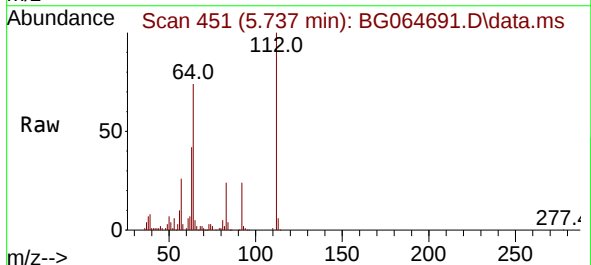
Instrument :
BNA_G
ClientSampleId :
PB170402BL

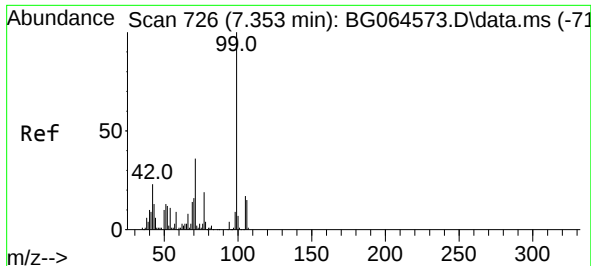
Tgt Ion:152 Resp: 19318
Ion Ratio Lower Upper
152 100
150 144.8 122.2 183.4
115 64.5 50.8 76.2



#5
2-Fluorophenol
Concen: 146.229 ng
RT: 5.737 min Scan# 451
Delta R.T. -0.012 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

Tgt Ion:112 Resp: 168297
Ion Ratio Lower Upper
112 100
64 74.0 60.7 91.1
63 41.9 33.4 50.0

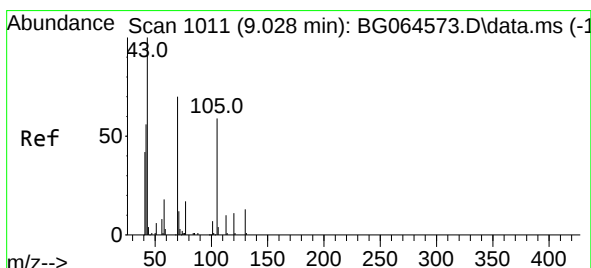
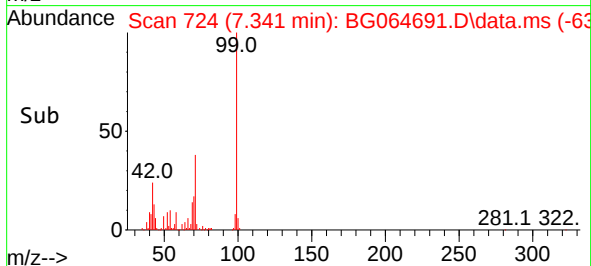
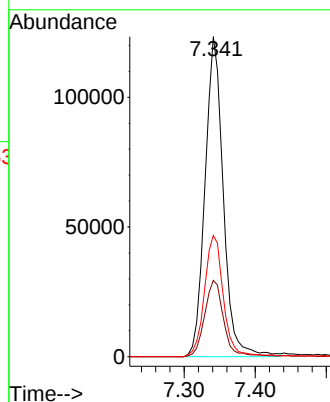
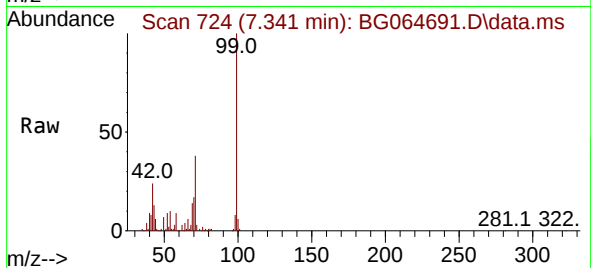




#7
Phenol-d6
Concen: 140.107 ng
RT: 7.341 min Scan# 71
Delta R.T. -0.012 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

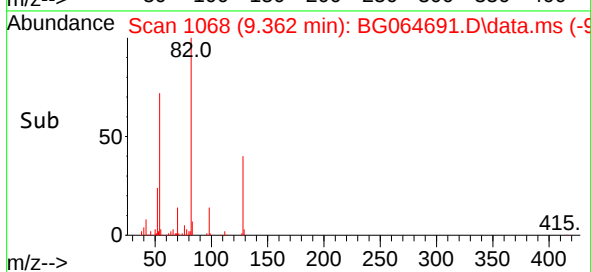
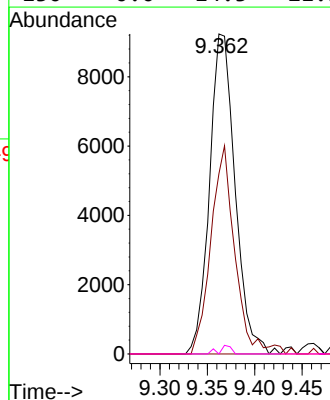
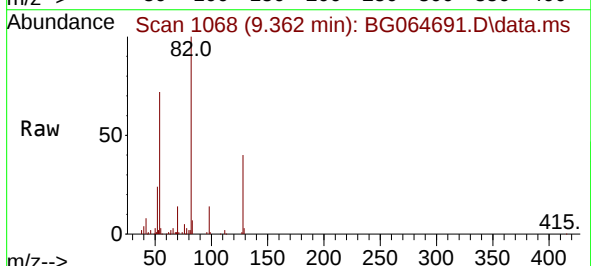
Instrument :
BNA_G
ClientSampleId :
PB170402BL

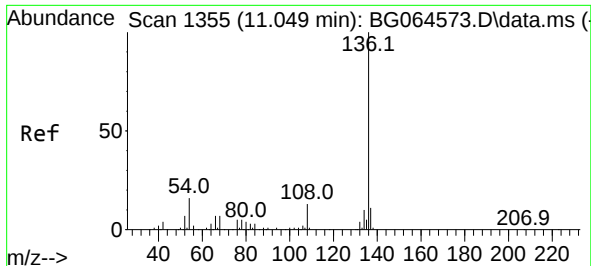
Tgt Ion: 99 Resp: 221270
Ion Ratio Lower Upper
99 100
42 23.9 18.3 27.5
71 37.9 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.894 ng
RT: 9.362 min Scan# 1068
Delta R.T. 0.334 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

Tgt Ion: 70 Resp: 17347
Ion Ratio Lower Upper
70 100
42 56.3 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#

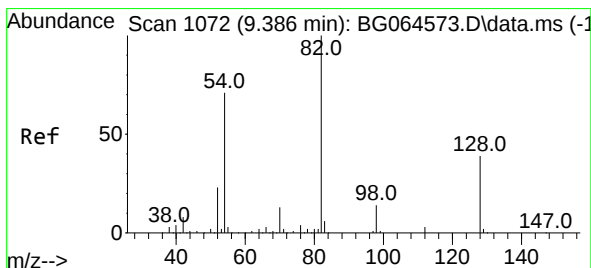
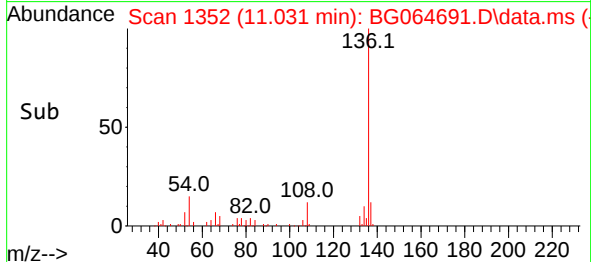
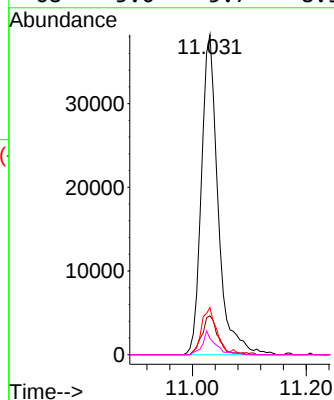
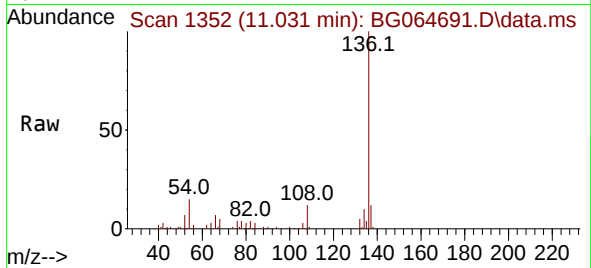




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.031 min Scan# 11069
Delta R.T. -0.018 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

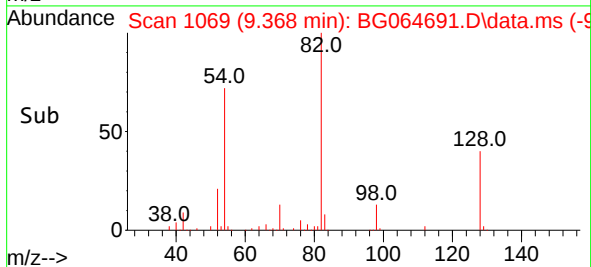
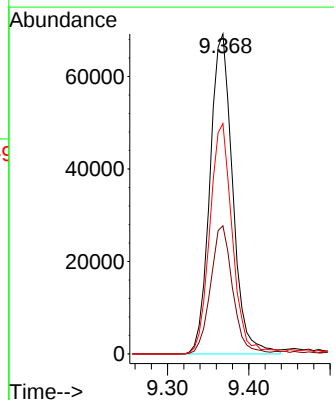
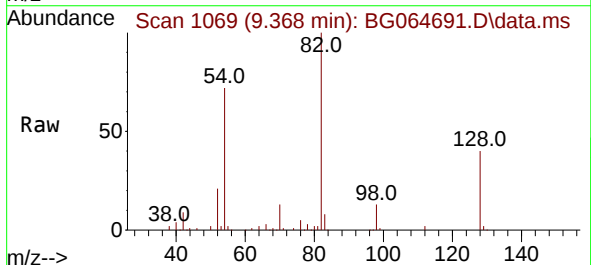
Instrument :
BNA_G
ClientSampleId :
PB170402BL

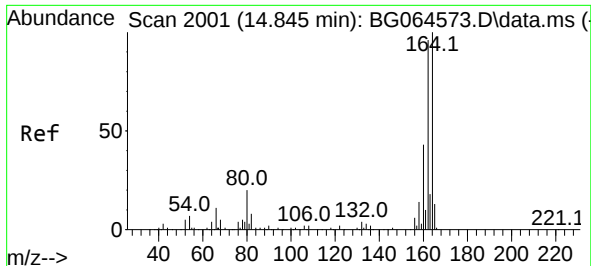
Tgt Ion:	136	Resp:	77931
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.2	13.8
54	14.7	12.6	19.0
68	5.0	5.7	8.5



#23
Nitrobenzene-d5
Concen: 103.739 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.018 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

Tgt Ion:	82	Resp:	134601
Ion Ratio	Lower	Upper	
82	100		
128	40.0	31.3	46.9
54	72.0	56.6	84.8

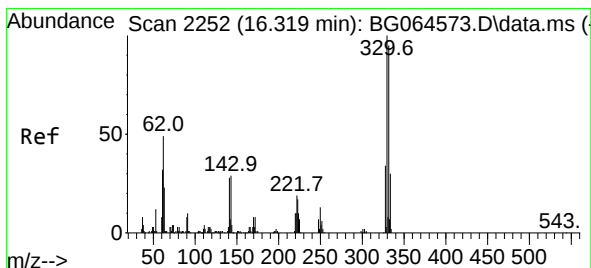
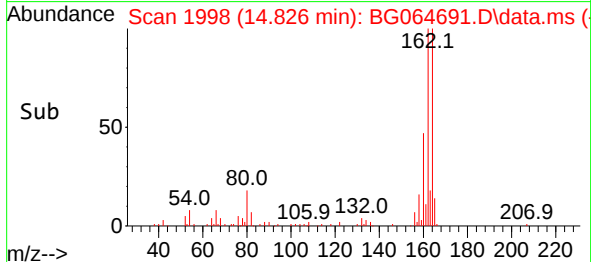
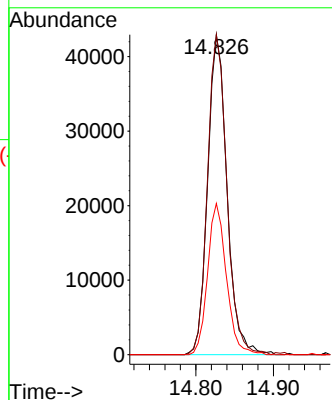
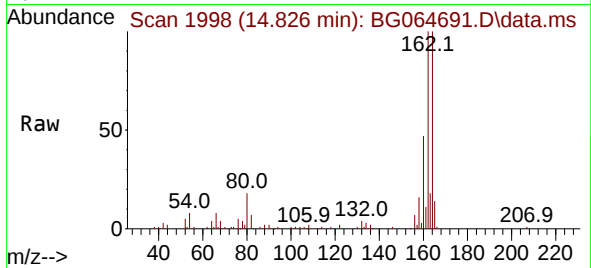




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.826 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

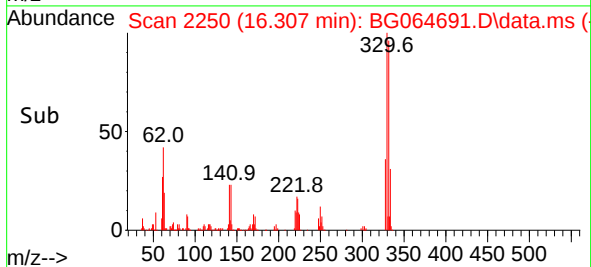
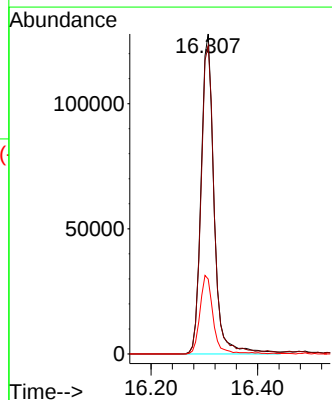
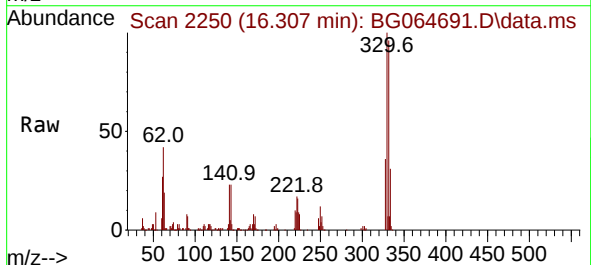
Instrument :
BNA_G
ClientSampleId :
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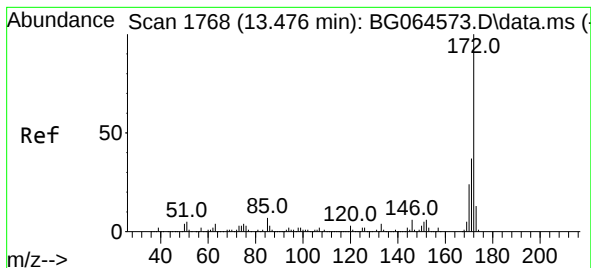
Tgt Ion:164 Resp: 74381
Ion Ratio Lower Upper
164 100
162 100.0 77.0 115.6
160 47.3 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 200.814 ng
RT: 16.307 min Scan# 2250
Delta R.T. -0.012 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

Tgt Ion:330 Resp: 215582
Ion Ratio Lower Upper
330 100
332 98.3 78.0 117.0
141 24.7 21.8 32.6

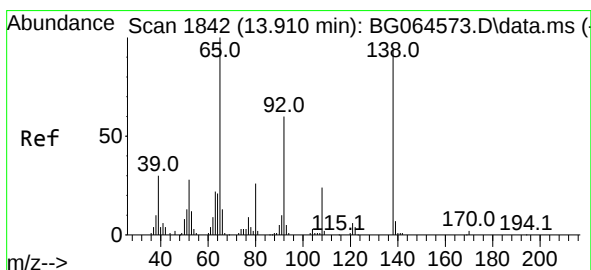
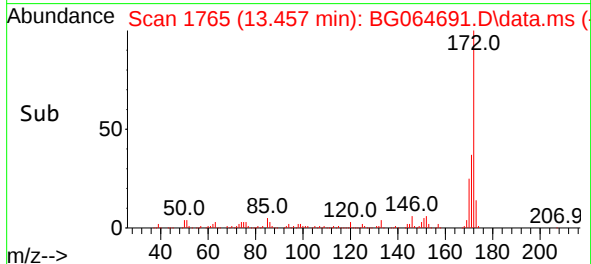
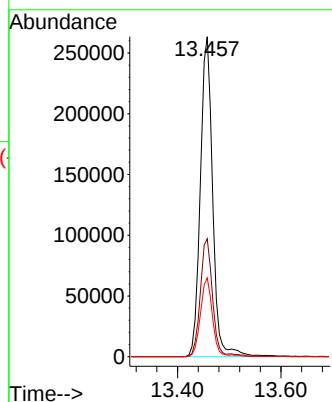
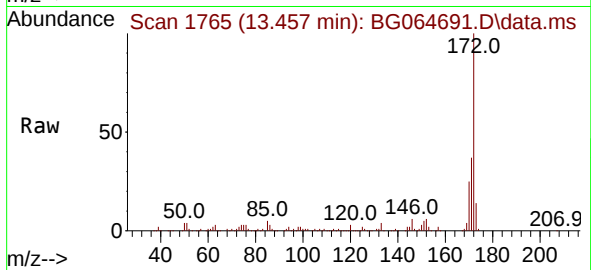




#45
2-Fluorobiphenyl
Concen: 88.916 ng
RT: 13.457 min Scan# 1765
Delta R.T. -0.018 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

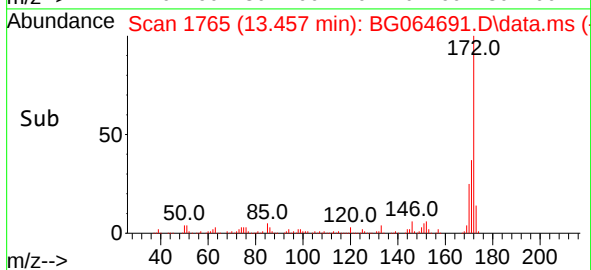
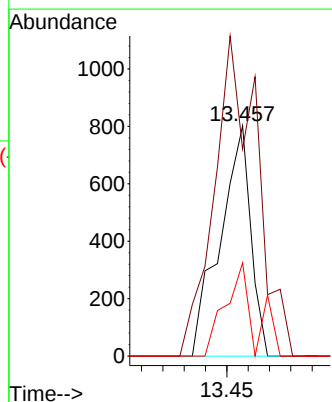
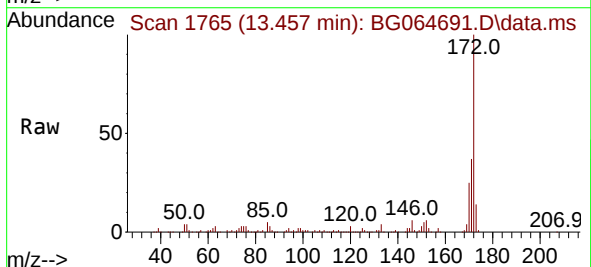
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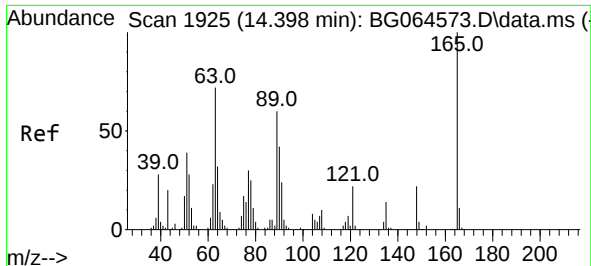
Tgt Ion:172 Resp: 436331
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.6 19.1 28.7



#48
2-Nitroaniline
Concen: 3.784 ng
RT: 13.457 min Scan# 1765
Delta R.T. -0.453 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

Tgt Ion: 65 Resp: 803
Ion Ratio Lower Upper
65 100
92 89.9 48.3 72.5#
138 40.5 74.9 112.3#

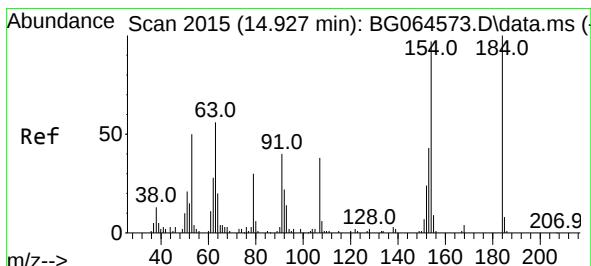
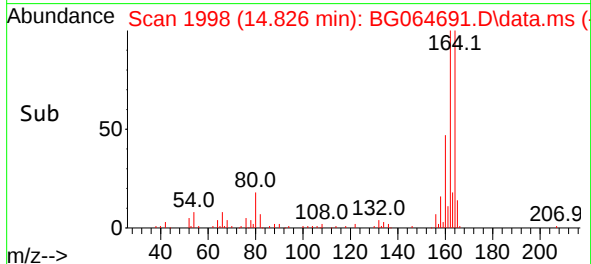
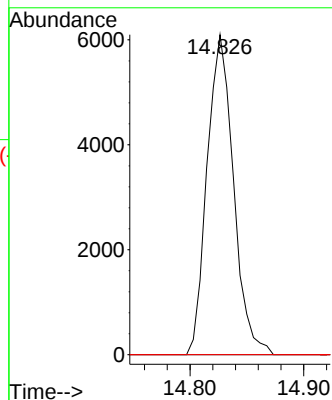
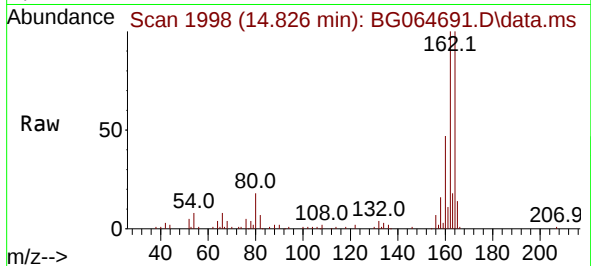




#51
2,6-Dinitrotoluene
Concen: 12.988 ng
RT: 14.826 min Scan# 1925
Delta R.T. 0.428 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

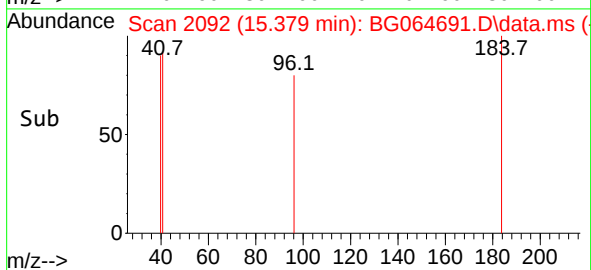
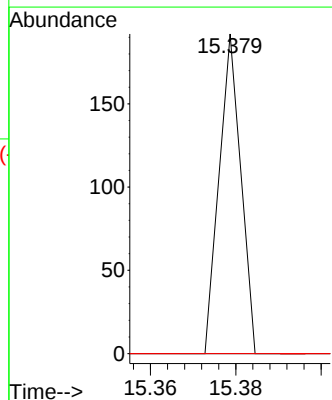
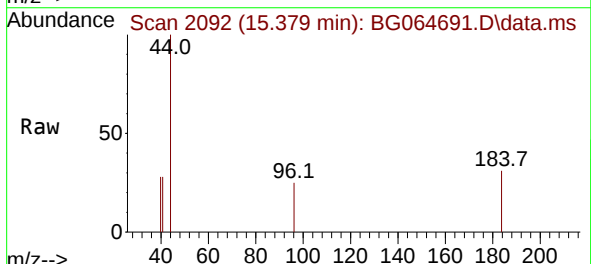
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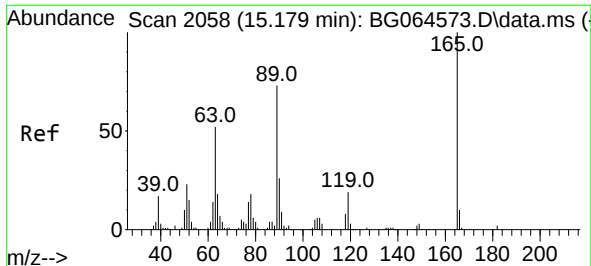
Tgt Ion:165 Resp: 9854
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



#54
2,4-Dinitrophenol
Concen: 5.682 ng
RT: 15.379 min Scan# 2092
Delta R.T. 0.452 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

Tgt Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 0.0 56.6 85.0#
154 0.0 158.6 238.0#





#57

2,4-Dinitrotoluene

Concen: 9.406 ng

RT: 14.826 min Scan# 14

Delta R.T. -0.353 min

Lab File: BG064691.D

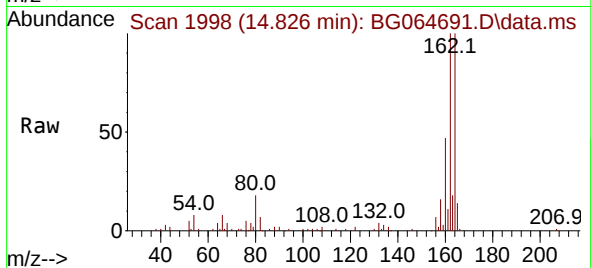
Acq: 5 Nov 2025 18:45

Instrument :

BNA_G

ClientSampleId :

PB170402BL



Tgt Ion:165 Resp: 9854

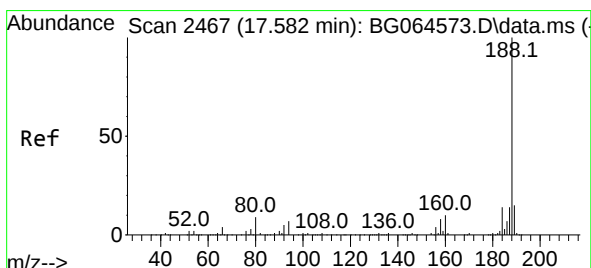
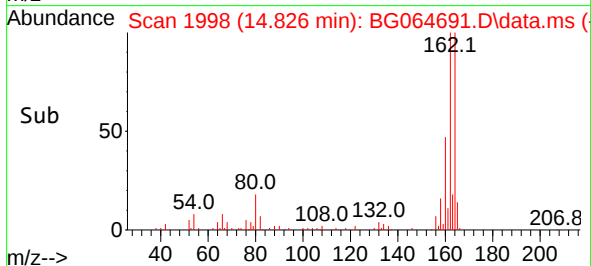
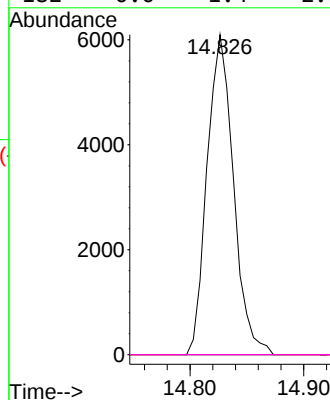
Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

89 0.0 58.1 87.1#

182 0.0 1.4 2.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.564 min Scan# 2464

Delta R.T. -0.018 min

Lab File: BG064691.D

Acq: 5 Nov 2025 18:45

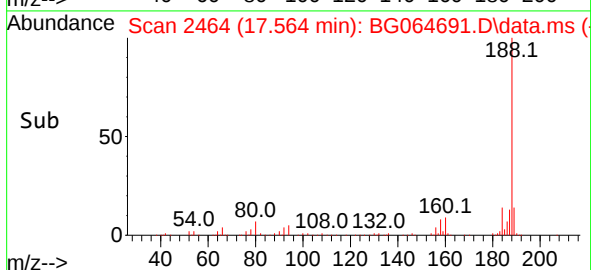
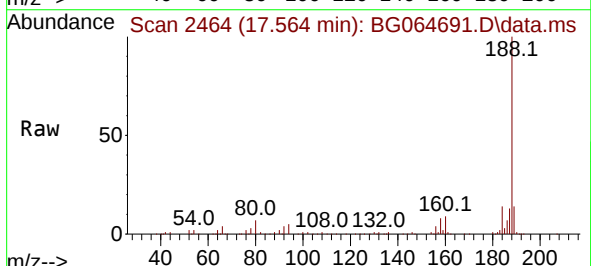
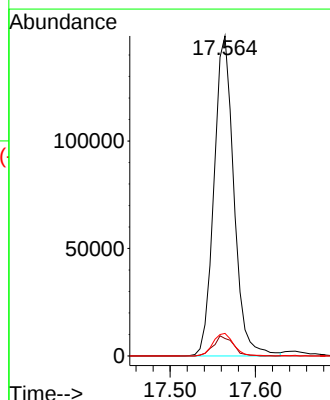
Tgt Ion:188 Resp: 240875

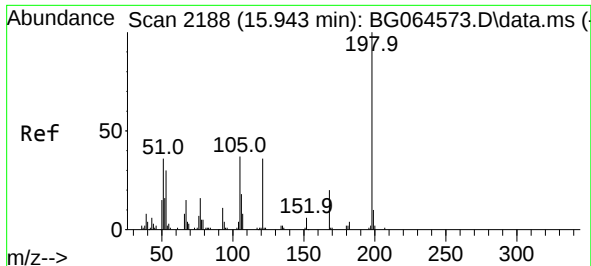
Ion Ratio Lower Upper

188 100

94 5.5 5.7 8.5#

80 7.1 6.8 10.2

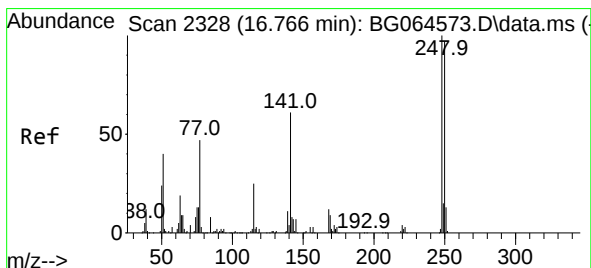
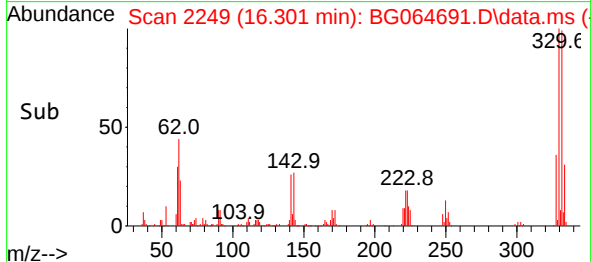
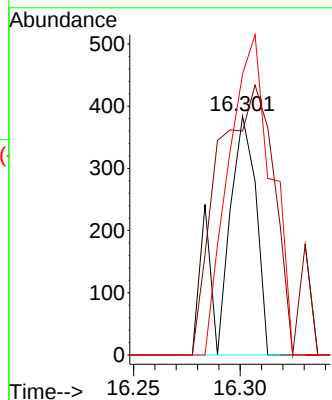
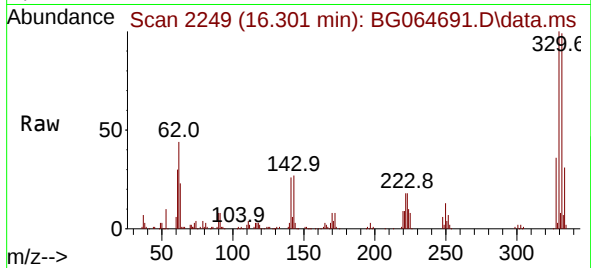




#65
4,6-Dinitro-2-methylphenol
Concen: 5.762 ng
RT: 16.301 min Scan# 2188
Delta R.T. 0.358 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

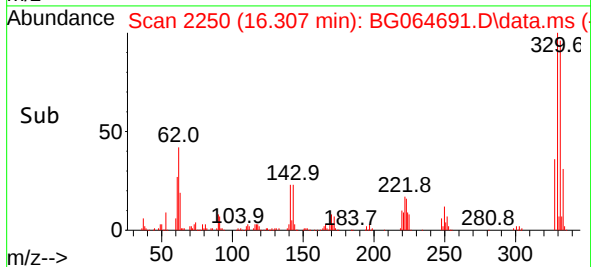
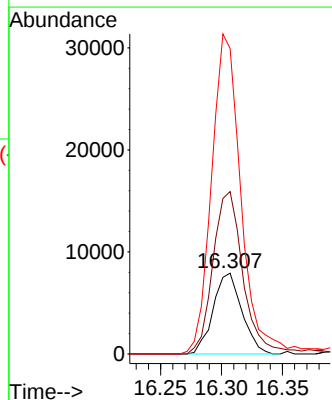
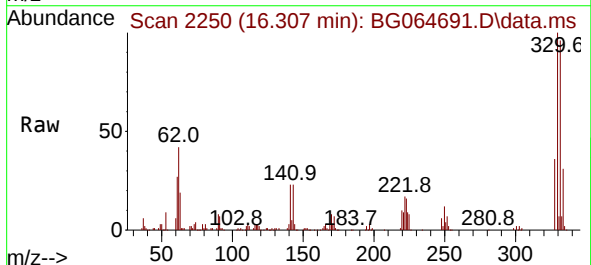
Instrument :
BNA_G
ClientSampleId :
PB170402BL

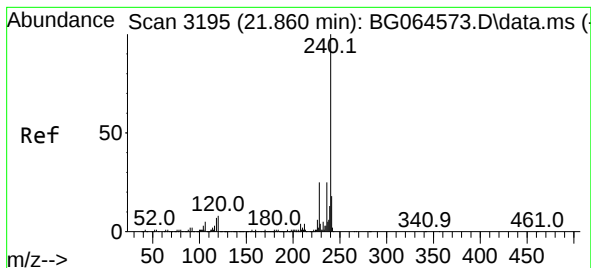
Tgt Ion:198 Resp: 401
Ion Ratio Lower Upper
198 100
51 93.8 24.7 64.7#
105 117.7 18.0 58.0#



#67
4-Bromophenyl-phenylether
Concen: 4.548 ng
RT: 16.307 min Scan# 2250
Delta R.T. -0.459 min
Lab File: BG064691.D
Acq: 5 Nov 2025 18:45

Tgt Ion:248 Resp: 12981
Ion Ratio Lower Upper
248 100
250 197.5 77.7 116.5#
141 285.5 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.836 min Scan# 31

Delta R.T. -0.024 min

Lab File: BG064691.D

Acq: 5 Nov 2025 18:45

Instrument :

BNA_G

ClientSampleId :

PB170402BL

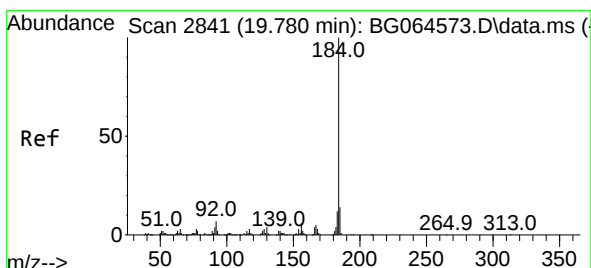
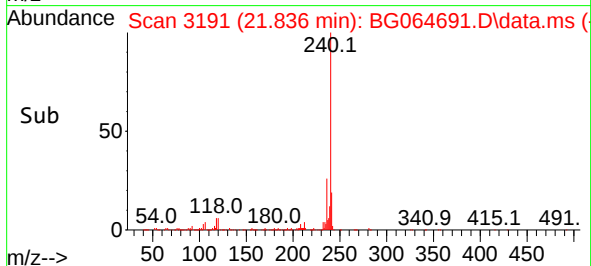
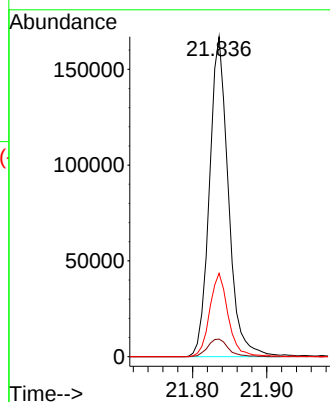
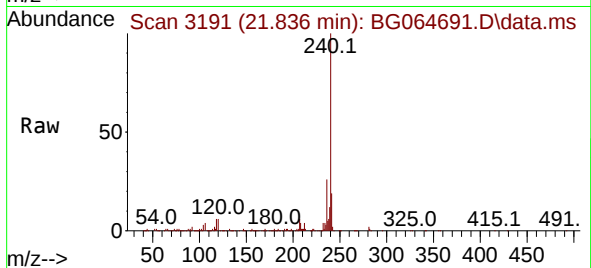
Tgt Ion:240 Resp: 296369

Ion Ratio Lower Upper

240 100

120 5.5 6.5 9.7#

236 26.1 20.2 30.2



#77

Benzidine

Concen: 3.743 ng

RT: 20.155 min Scan# 2905

Delta R.T. 0.376 min

Lab File: BG064691.D

Acq: 5 Nov 2025 18:45

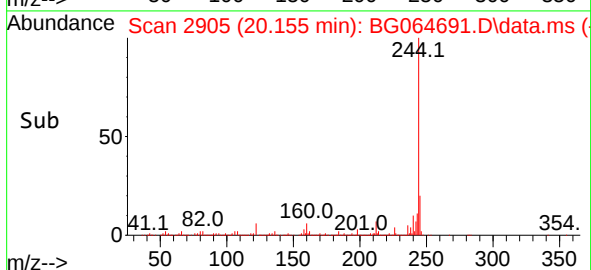
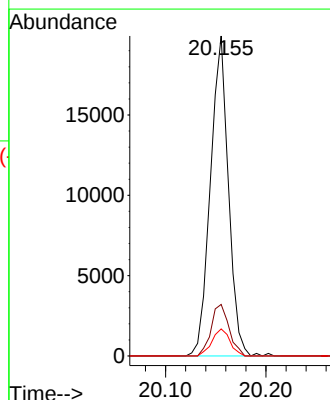
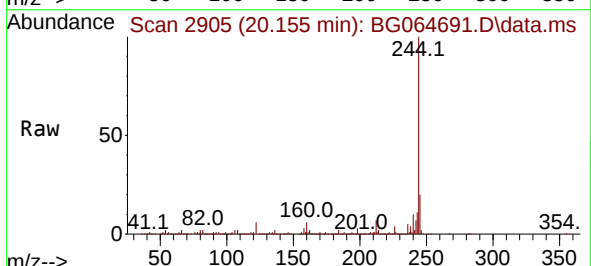
Tgt Ion:184 Resp: 24852

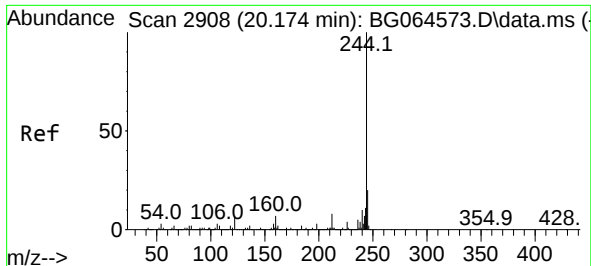
Ion Ratio Lower Upper

184 100

185 16.1 11.4 17.2

183 8.5 9.4 14.2#

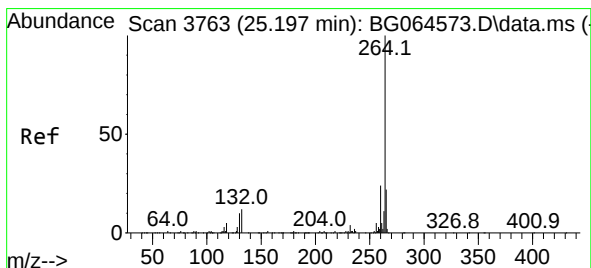
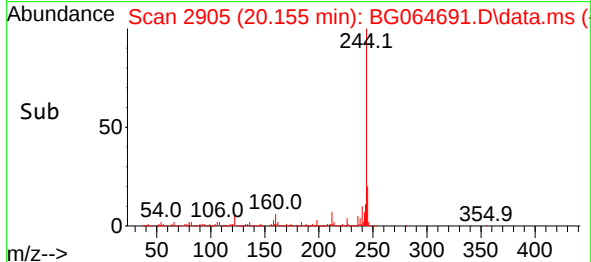
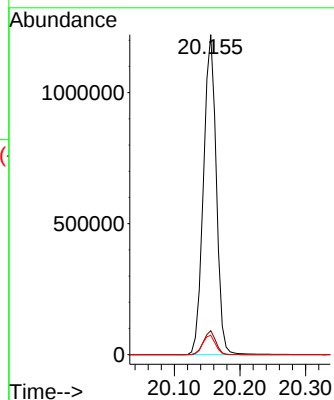
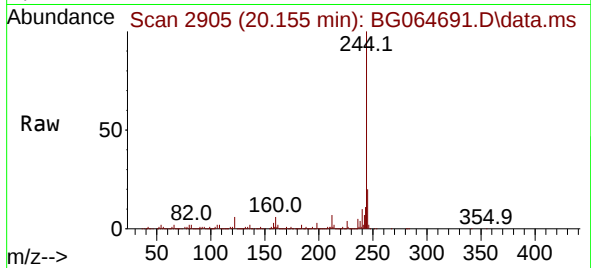




#79
 Terphenyl-d14
 Concen: 105.830 ng
 RT: 20.155 min Scan# 24
 Delta R.T. -0.018 min
 Lab File: BG064691.D
 Acq: 5 Nov 2025 18:45

Instrument :
 BNA_G
 ClientSampleId :
 PB170402BL

Tgt Ion:244 Resp: 1661997
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 6.1 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.167 min Scan# 3758
 Delta R.T. -0.030 min
 Lab File: BG064691.D
 Acq: 5 Nov 2025 18:45

Tgt Ion:264 Resp: 292507
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 20.7 17.6 26.4

