

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110325\
 Data File : BG064682.D
 Acq On : 3 Nov 2025 21:24
 Operator : RC/JU
 Sample : Q3399-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-ROLLOFF

Quant Time: Nov 04 00:47:08 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)

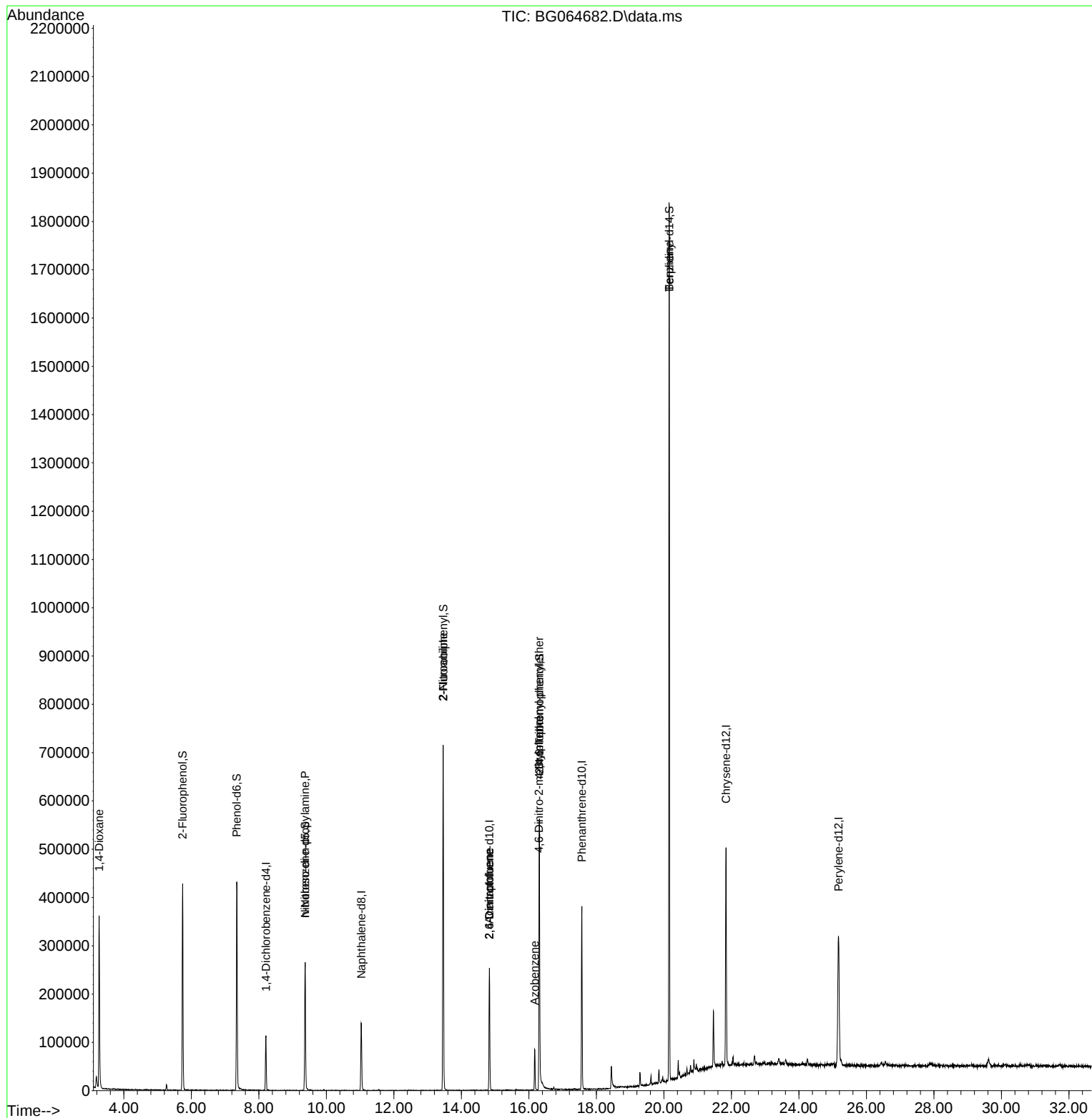
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.209	152	32053	20.000	ng	-0.01
21) Naphthalene-d8	11.035	136	122752	20.000	ng	-0.01
39) Acenaphthene-d10	14.831	164	95326	20.000	ng	-0.01
64) Phenanthrene-d10	17.569	188	251613	20.000	ng	-0.01
76) Chrysene-d12	21.840	240	301190	20.000	ng	#-0.02
86) Perylene-d12	25.171	264	331540	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.741	112	170063	89.056	ng	0.00
7) Phenol-d6	7.345	99	239763	91.498	ng	0.00
23) Nitrobenzene-d5	9.372	82	151636	74.196	ng	-0.01
42) 2,4,6-Tribromophenol	16.311	330	142623	103.662	ng	0.00
45) 2-Fluorobiphenyl	13.462	172	405682	64.506	ng	-0.01
79) Terphenyl-d14	20.160	244	985779	61.766	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.268	88	3207	3.793	ng	# 1
19) n-Nitroso-di-n-propyla...	9.372	70	19495	10.765	ng	# 69
48) 2-Nitroaniline	13.456	65	706	3.608	ng	# 1
51) 2,6-Dinitrotoluene	14.825	165	13124	13.372	ng	# 17
57) 2,4-Dinitrotoluene	14.825	165	13124	9.655	ng	# 20
63) Azobenzene	16.170	77	25567	3.741	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.299	198	342	5.701	ng	80
67) 4-Bromophenyl-phenylether	16.305	248	9126	3.061	ng	# 1
77) Benzidine	20.160	184	14903	2.209	ng	96

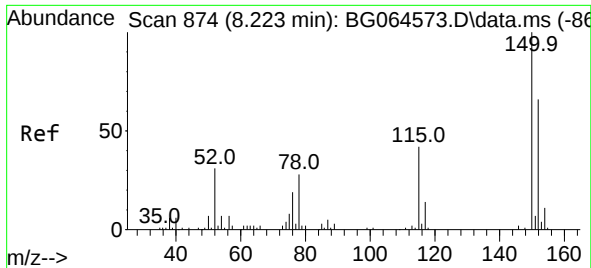
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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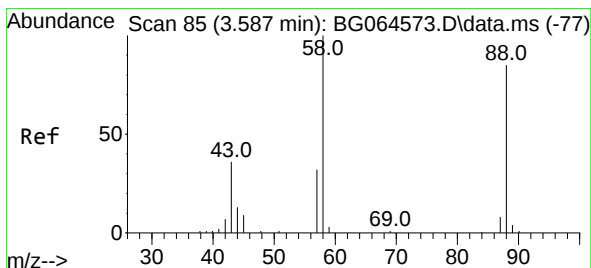
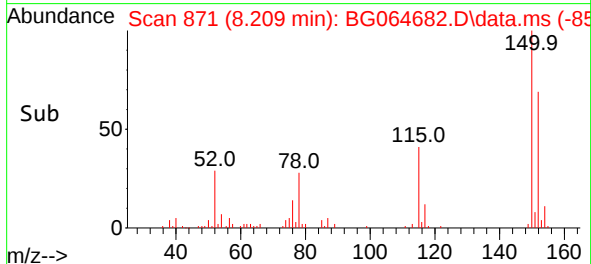
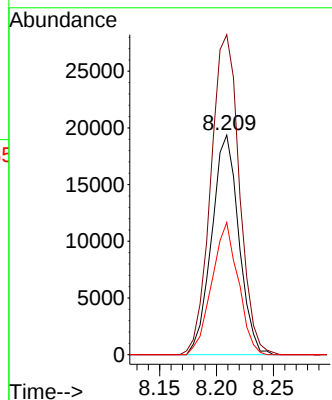
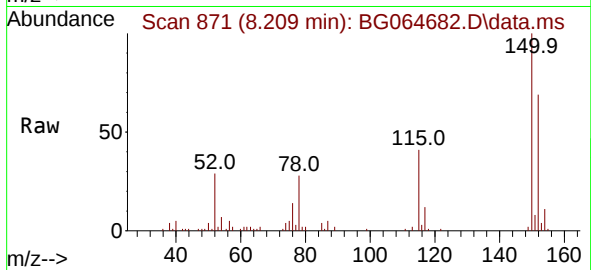




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.209 min Scan# 81
Delta R.T. -0.014 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

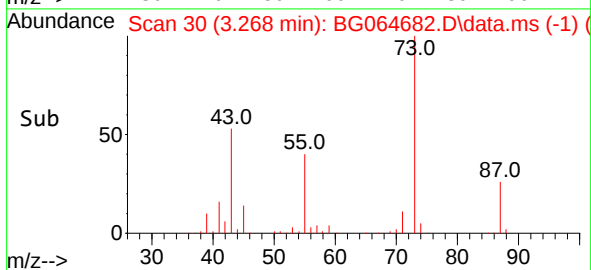
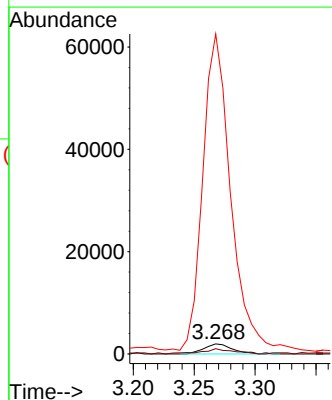
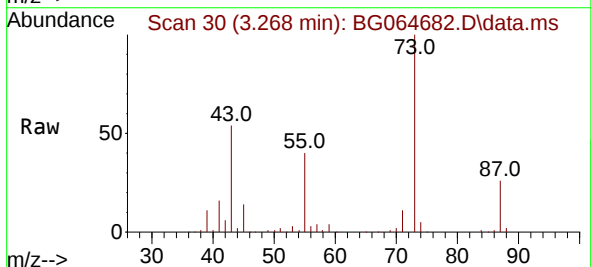
Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

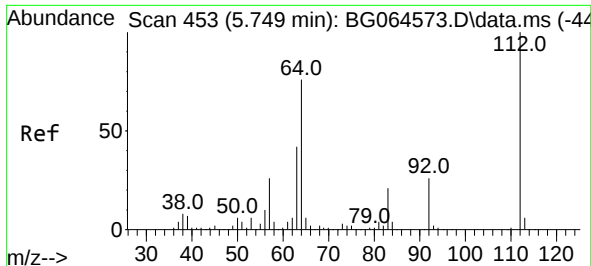
Tgt Ion:152 Resp: 32053
Ion Ratio Lower Upper
152 100
150 145.8 122.2 183.4
115 60.2 50.8 76.2



#2
1,4-Dioxane
Concen: 3.793 ng
RT: 3.268 min Scan# 30
Delta R.T. -0.319 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

Tgt Ion: 88 Resp: 3207
Ion Ratio Lower Upper
88 100
58 57.5 92.4 138.6#
43 3099.7 33.0 49.6#

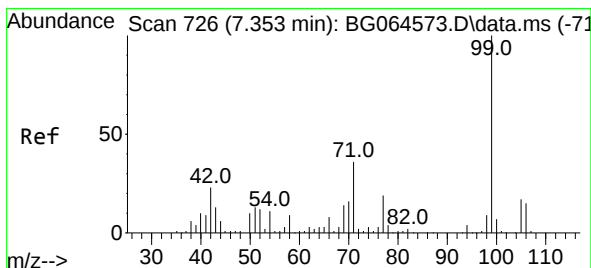
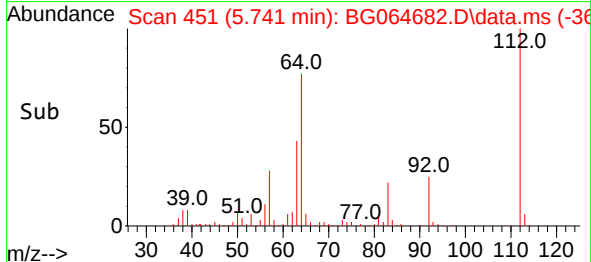
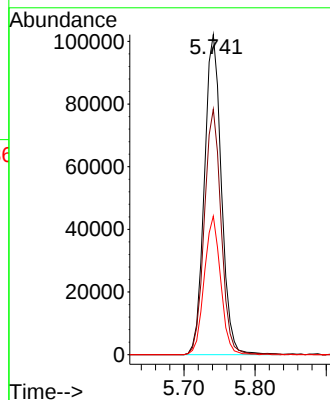
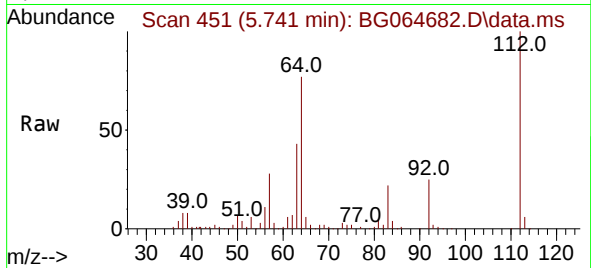




#5
2-Fluorophenol
Concen: 89.056 ng
RT: 5.741 min Scan# 411
Delta R.T. -0.008 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

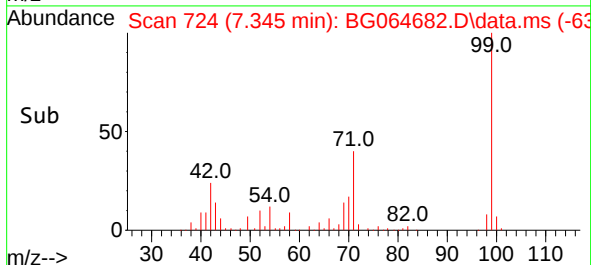
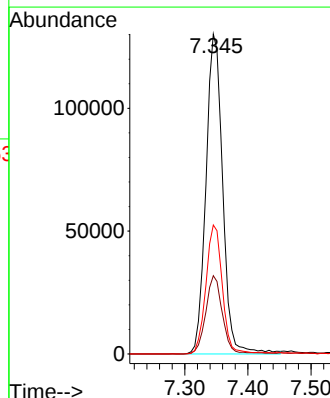
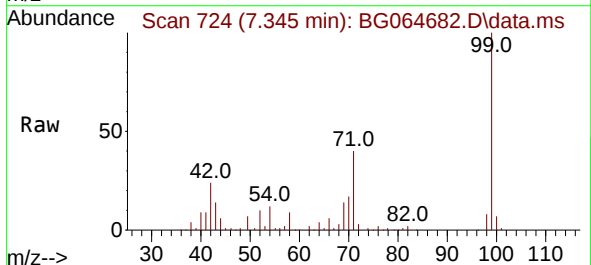
Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

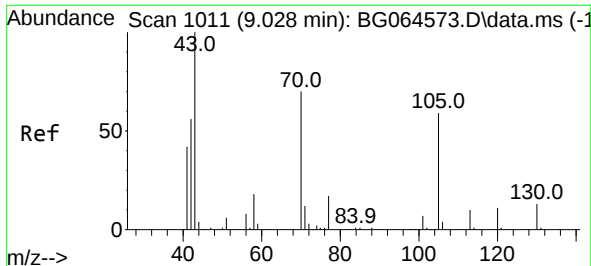
Tgt Ion:112 Resp: 170063
Ion Ratio Lower Upper
112 100
64 76.7 60.7 91.1
63 43.3 33.4 50.0



#7
Phenol-d6
Concen: 91.498 ng
RT: 7.345 min Scan# 724
Delta R.T. -0.008 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

Tgt Ion: 99 Resp: 239763
Ion Ratio Lower Upper
99 100
42 24.5 18.3 27.5
71 40.3 28.6 43.0

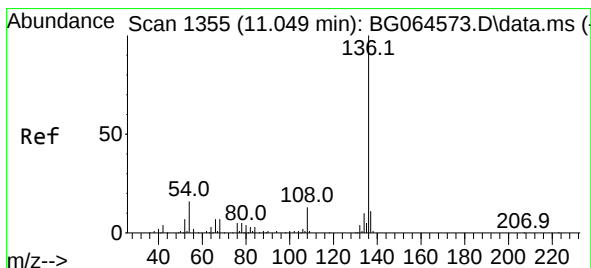
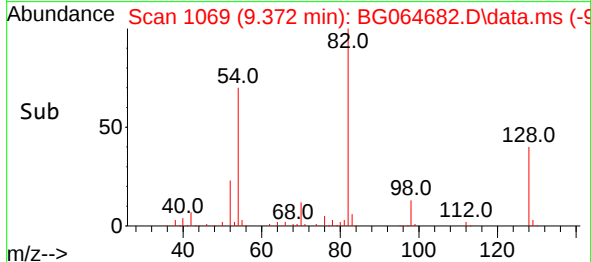
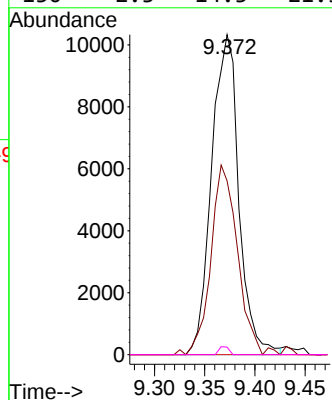
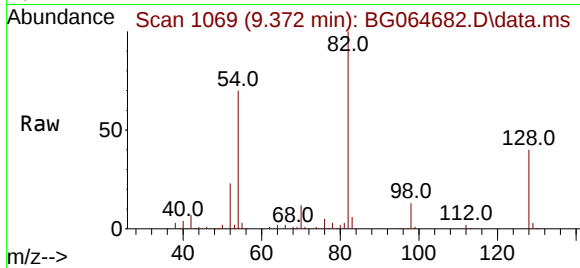




#19
n-Nitroso-di-n-propylamine
Concen: 10.765 ng
RT: 9.372 min Scan# 1069
Delta R.T. 0.344 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

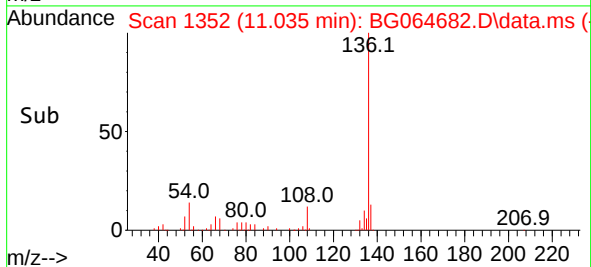
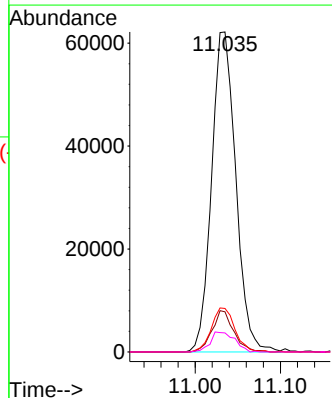
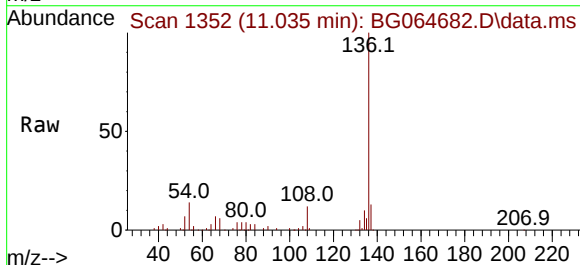
Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

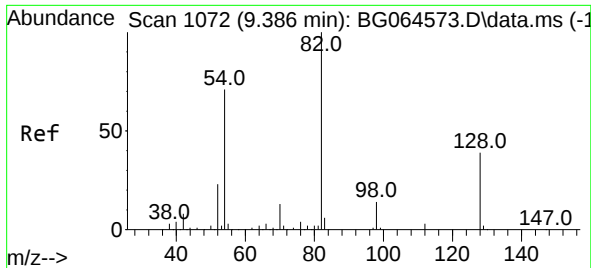
Tgt Ion: 70 Resp: 19495
Ion Ratio Lower Upper
70 100
42 54.3 65.2 97.8#
101 0.0 7.9 11.9#
130 2.3 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.035 min Scan# 1352
Delta R.T. -0.014 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

Tgt Ion:136 Resp: 122752
Ion Ratio Lower Upper
136 100
137 12.5 9.2 13.8
54 13.6 12.6 19.0
68 5.9 5.7 8.5

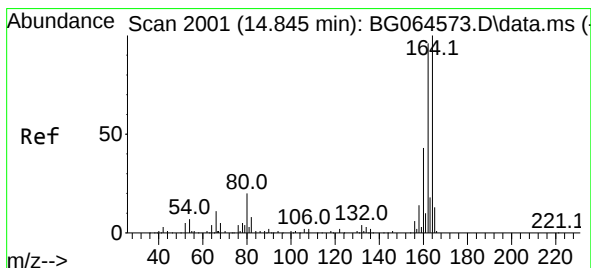
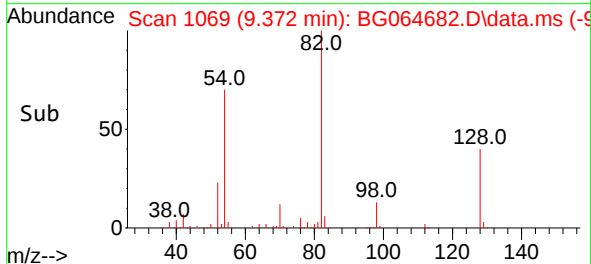
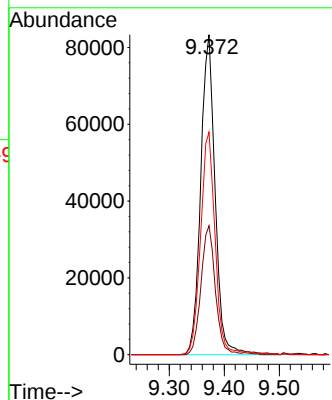
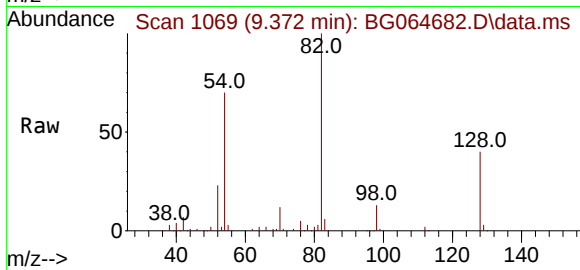




#23
Nitrobenzene-d5
Concen: 74.196 ng
RT: 9.372 min Scan# 1069
Delta R.T. -0.014 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

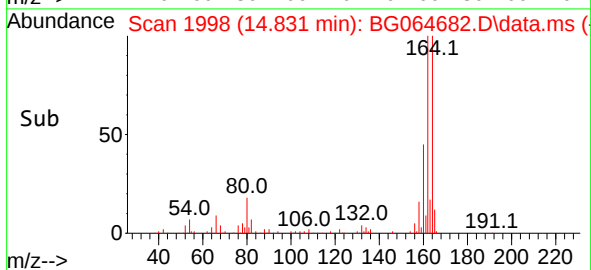
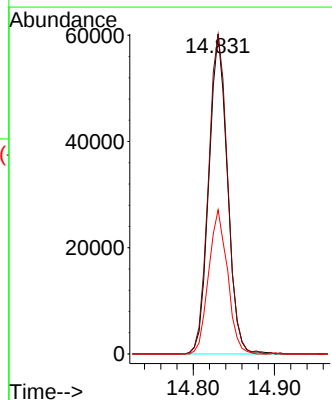
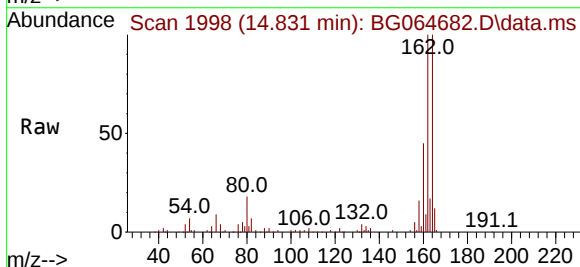
Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

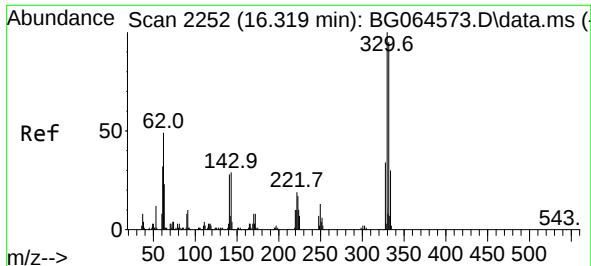
Tgt Ion: 82 Resp: 151636
Ion Ratio Lower Upper
82 100
128 40.3 31.3 46.9
54 69.5 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.831 min Scan# 1998
Delta R.T. -0.014 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

Tgt Ion: 164 Resp: 95326
Ion Ratio Lower Upper
164 100
162 99.8 77.0 115.6
160 45.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 103.662 ng

RT: 16.311 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG064682.D

Acq: 3 Nov 2025 21:24

Instrument :

BNA_G

ClientSampleId :

COMP-ROLLOFF

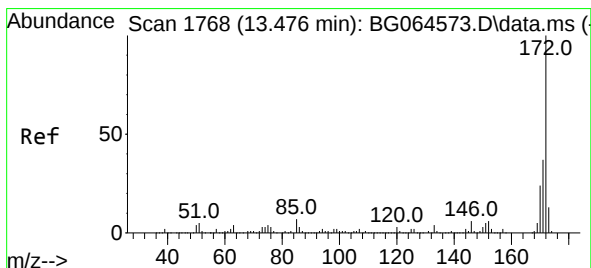
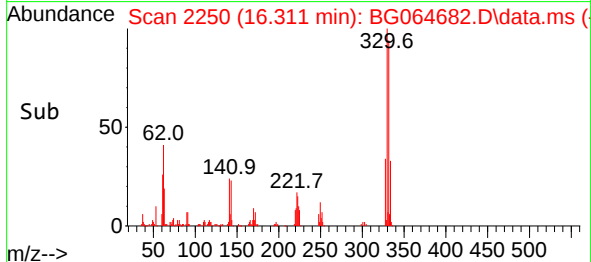
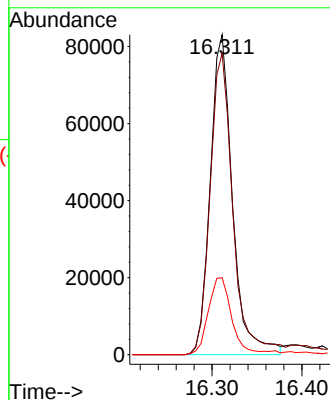
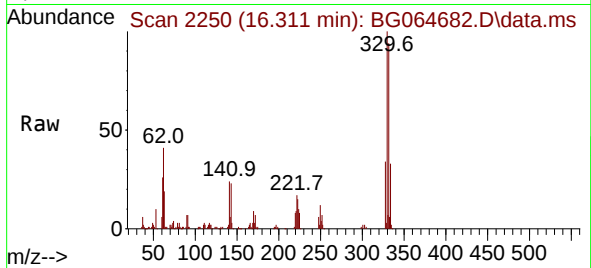
Tgt Ion:330 Resp: 142623

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 25.0 21.8 32.6



#45

2-Fluorobiphenyl

Concen: 64.506 ng

RT: 13.462 min Scan# 1765

Delta R.T. -0.014 min

Lab File: BG064682.D

Acq: 3 Nov 2025 21:24

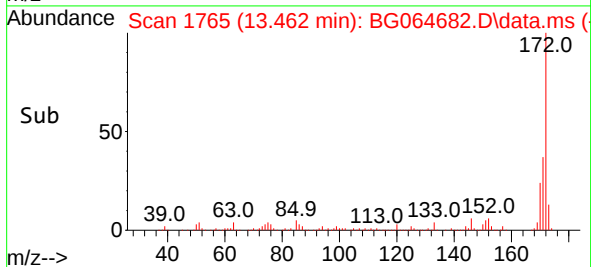
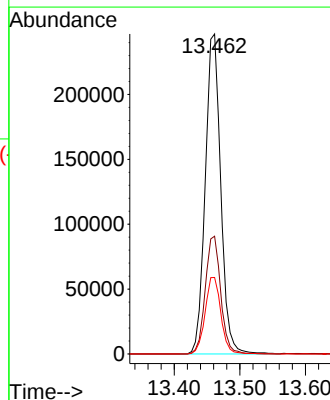
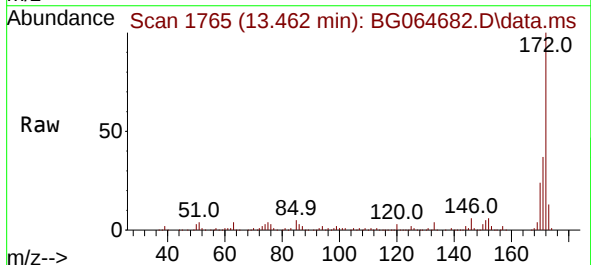
Tgt Ion:172 Resp: 405682

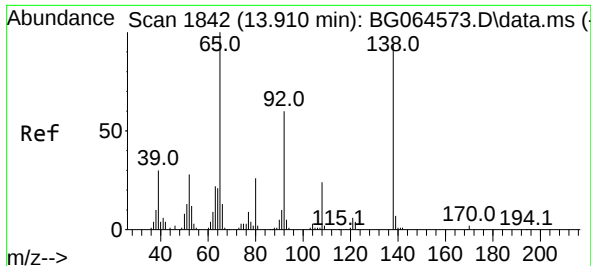
Ion Ratio Lower Upper

172 100

171 36.8 29.4 44.0

170 23.9 19.1 28.7

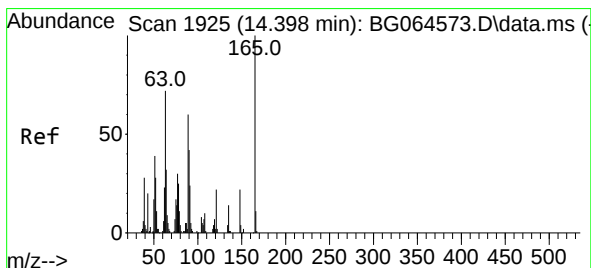
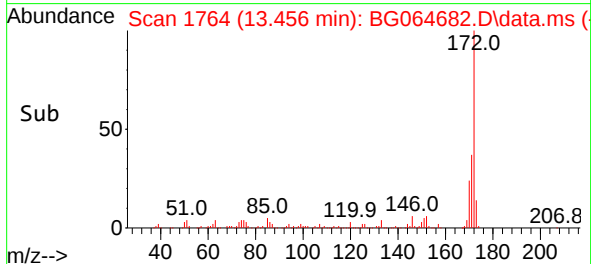
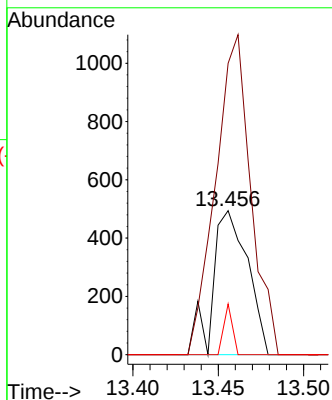
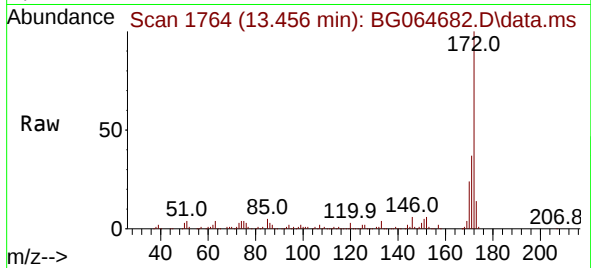




#48
2-Nitroaniline
Concen: 3.608 ng
RT: 13.456 min Scan# 1
Delta R.T. -0.454 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

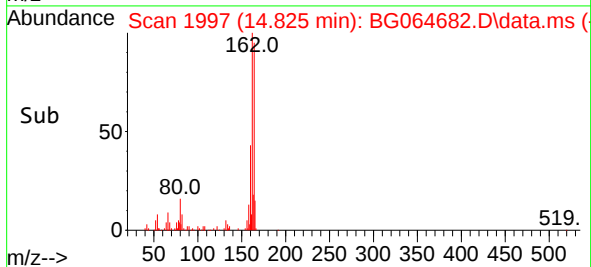
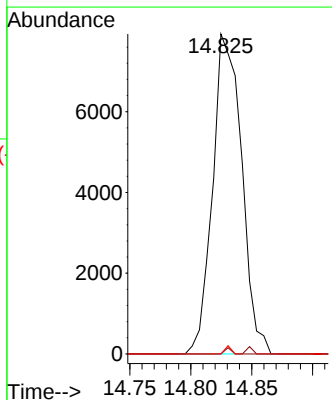
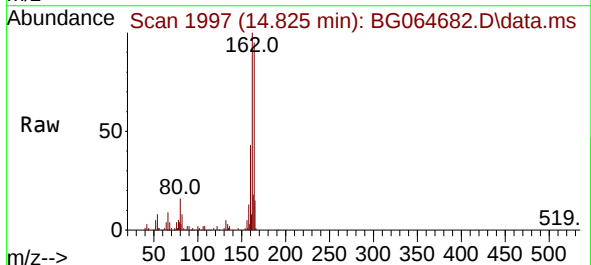
Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

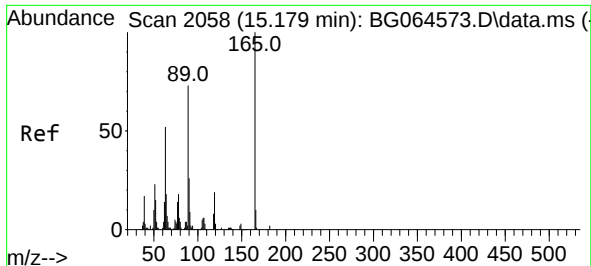
Tgt Ion: 65 Resp: 706
Ion Ratio Lower Upper
65 100
92 202.4 48.3 72.5#
138 35.2 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 13.372 ng
RT: 14.825 min Scan# 1997
Delta R.T. 0.427 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

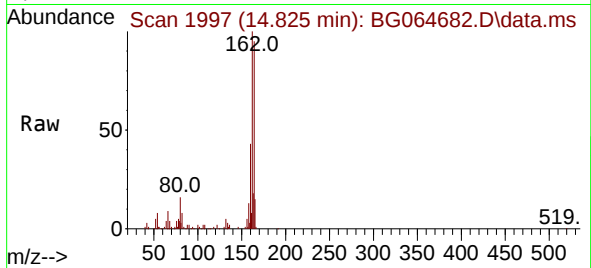
Tgt Ion:165 Resp: 13124
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



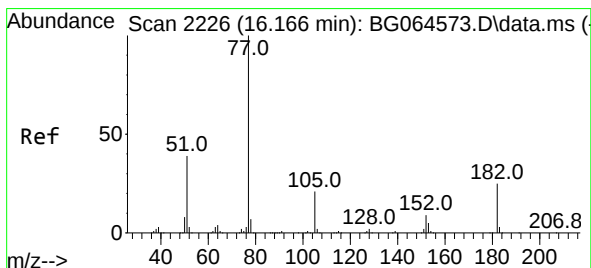
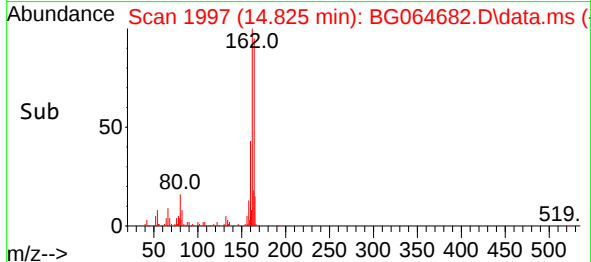
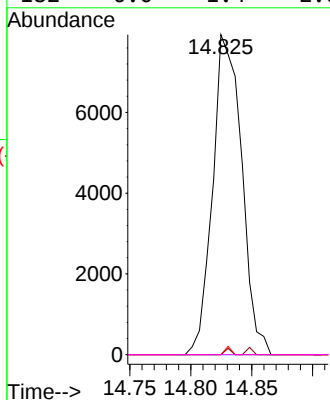


#57
2,4-Dinitrotoluene
Concen: 9.655 ng
RT: 14.825 min Scan# 1997
Delta R.T. -0.354 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

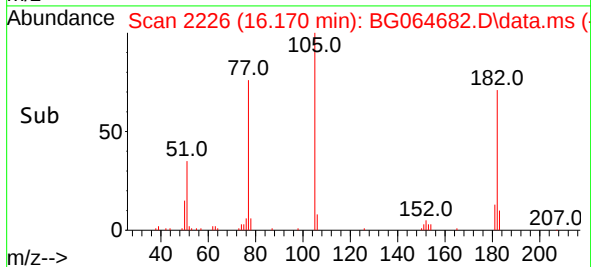
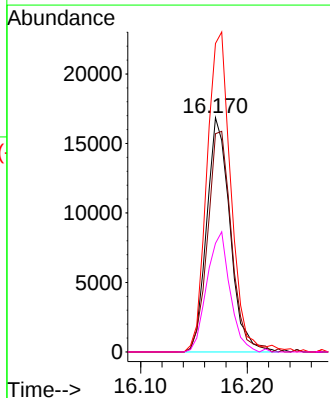
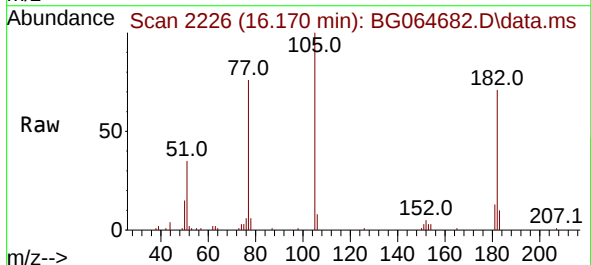


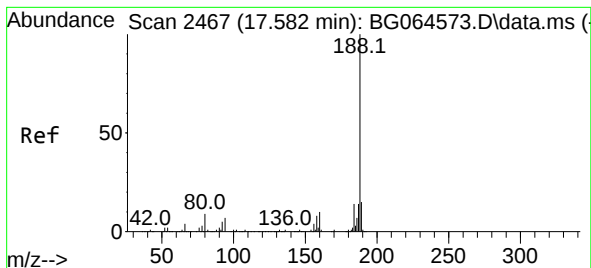
Tgt Ion:165	Resp:	13124
Ion	Ratio	Lower Upper
165	100	
63	0.0	41.8 62.8#
89	0.0	58.1 87.1#
182	0.0	1.4 2.0#



#63
Azobenzene
Concen: 3.741 ng
RT: 16.170 min Scan# 2226
Delta R.T. 0.004 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

Tgt Ion: 77	Resp:	25567
Ion	Ratio	Lower Upper
77	100	
182	93.2	4.9 44.9#
105	131.7	1.3 41.3#
51	46.4	19.0 59.0

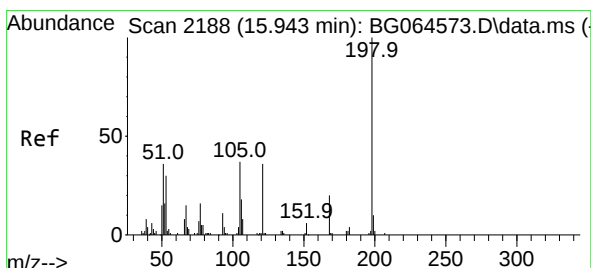
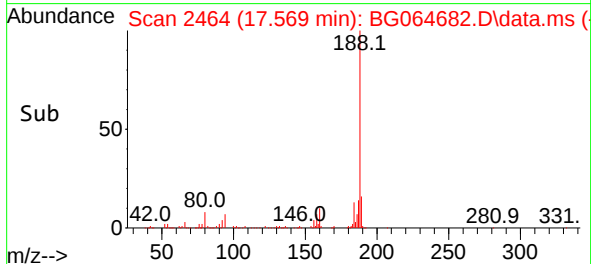
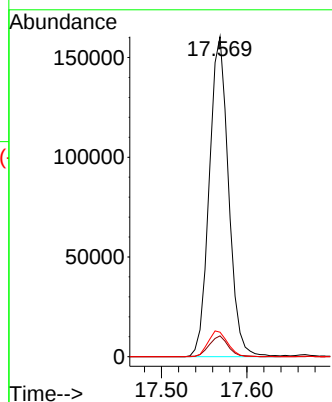
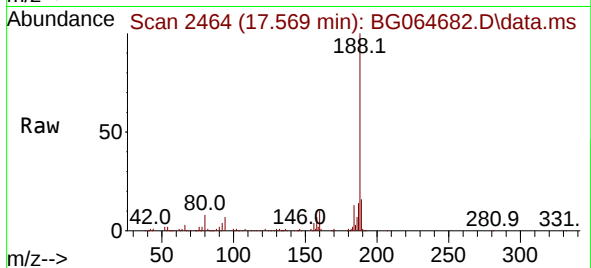




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.569 min Scan# 2467
Delta R.T. -0.014 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

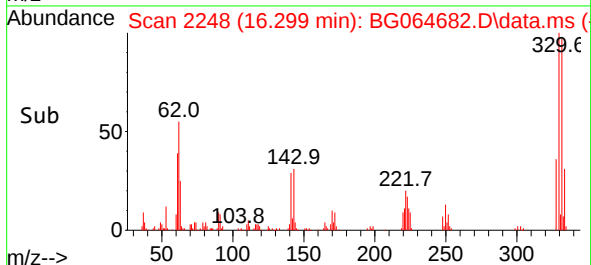
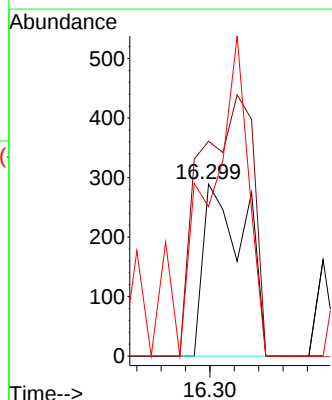
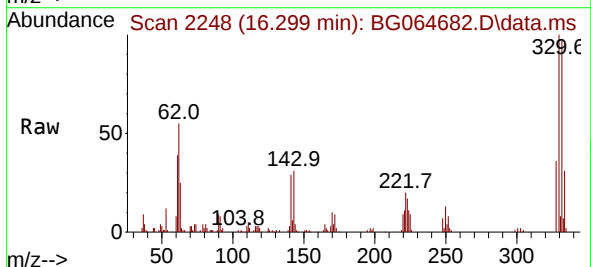
Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

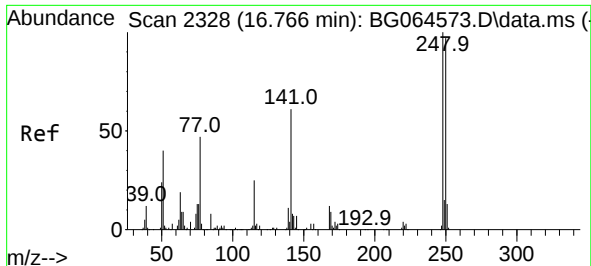
Tgt Ion:188 Resp: 251613
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 7.6 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.701 ng
RT: 16.299 min Scan# 2248
Delta R.T. 0.356 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

Tgt Ion:198 Resp: 342
Ion Ratio Lower Upper
198 100
51 33.7 24.7 64.7
105 23.4 18.0 58.0

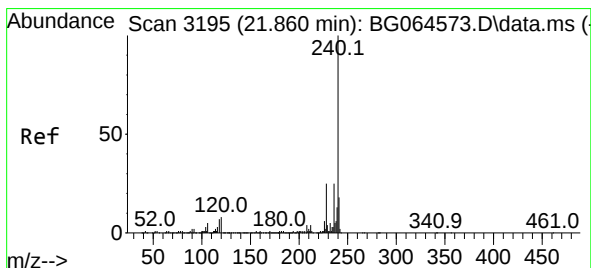
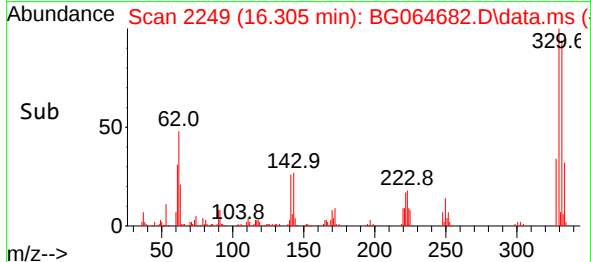
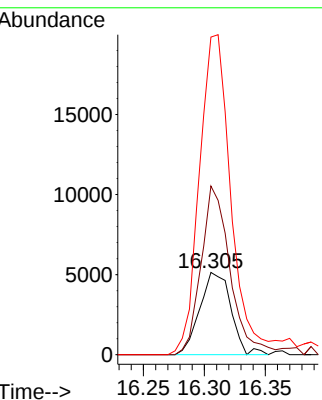
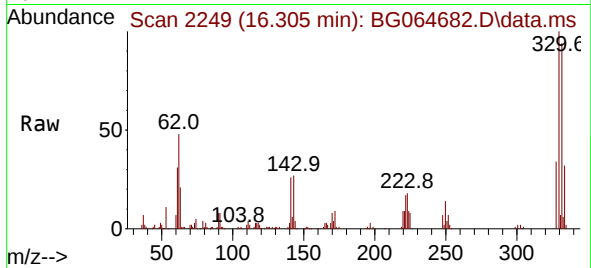




#67
4-Bromophenyl-phenylether
Concen: 3.061 ng
RT: 16.305 min Scan# 211
Delta R.T. -0.460 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

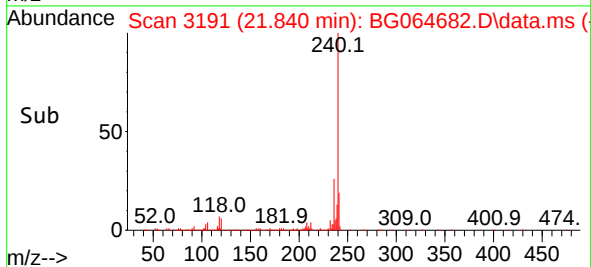
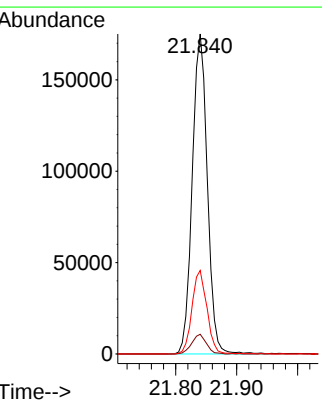
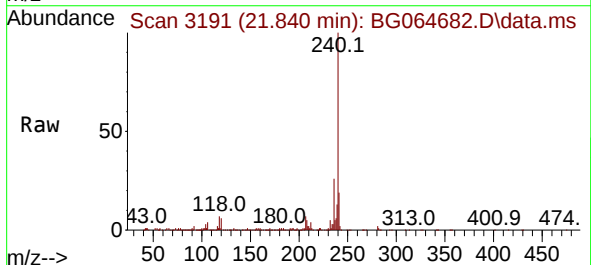
Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

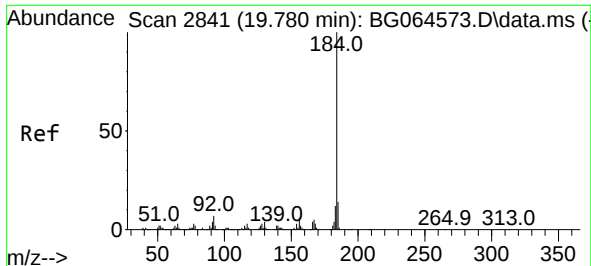
Tgt Ion:248 Resp: 9126
Ion Ratio Lower Upper
248 100
250 161.2 77.7 116.5#
141 303.5 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.840 min Scan# 3191
Delta R.T. -0.020 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

Tgt Ion:240 Resp: 301190
Ion Ratio Lower Upper
240 100
120 6.1 6.5 9.7#
236 26.1 20.2 30.2

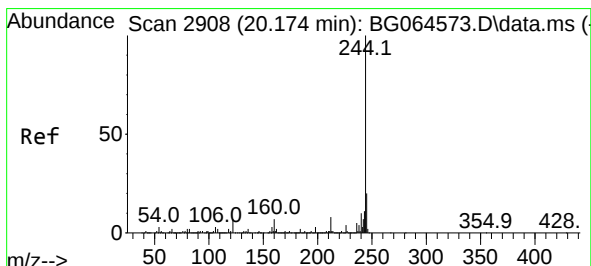
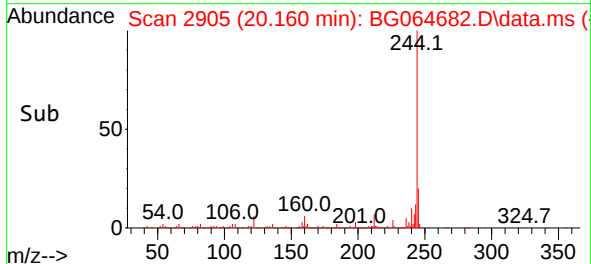
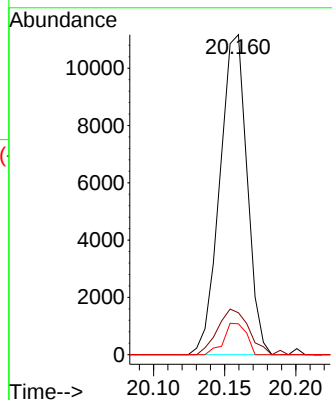
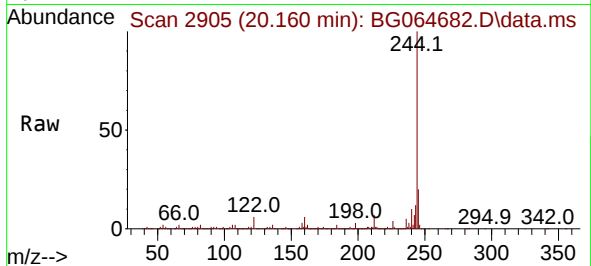




#77
Benzidine
Concen: 2.209 ng
RT: 20.160 min Scan# 2905
Delta R.T. 0.380 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

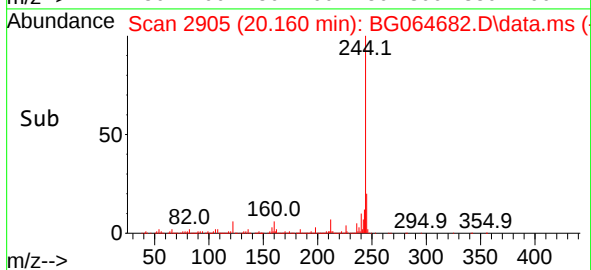
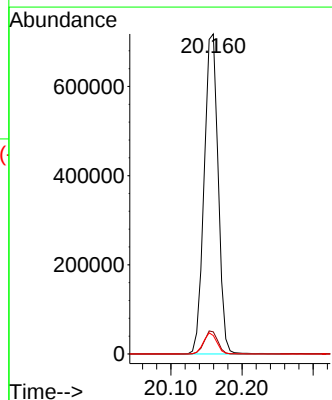
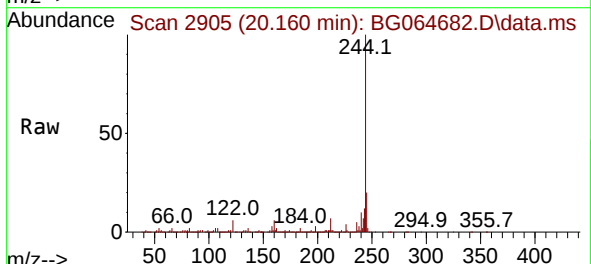
Instrument :
BNA_G
ClientSampleId :
COMP-ROLLOFF

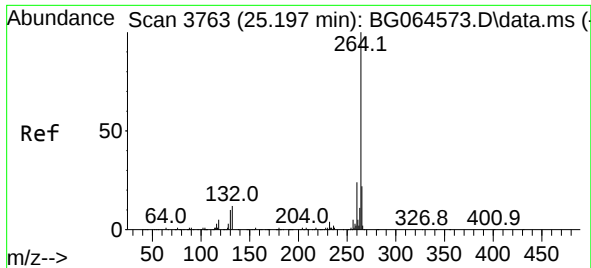
Tgt Ion:184 Resp: 14903
Ion Ratio Lower Upper
184 100
185 13.1 11.4 17.2
183 9.7 9.4 14.2



#79
Terphenyl-d14
Concen: 61.766 ng
RT: 20.160 min Scan# 2905
Delta R.T. -0.014 min
Lab File: BG064682.D
Acq: 3 Nov 2025 21:24

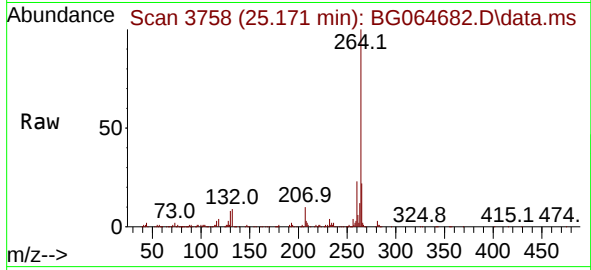
Tgt Ion:244 Resp: 985779
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 5.7 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.171 min Scan# 31
 Delta R.T. -0.026 min
 Lab File: BG064682.D
 Acq: 3 Nov 2025 21:24

Instrument :
 BNA_G
 ClientSampleId :
 COMP-ROLLOFF



Tgt Ion:264 Resp: 331540

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.0	17.6	26.4

