

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064315.D
 Acq On : 8 Sep 2025 20:25
 Operator : RC/JU
 Sample : Q3023-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Sep 09 01:32:51 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)

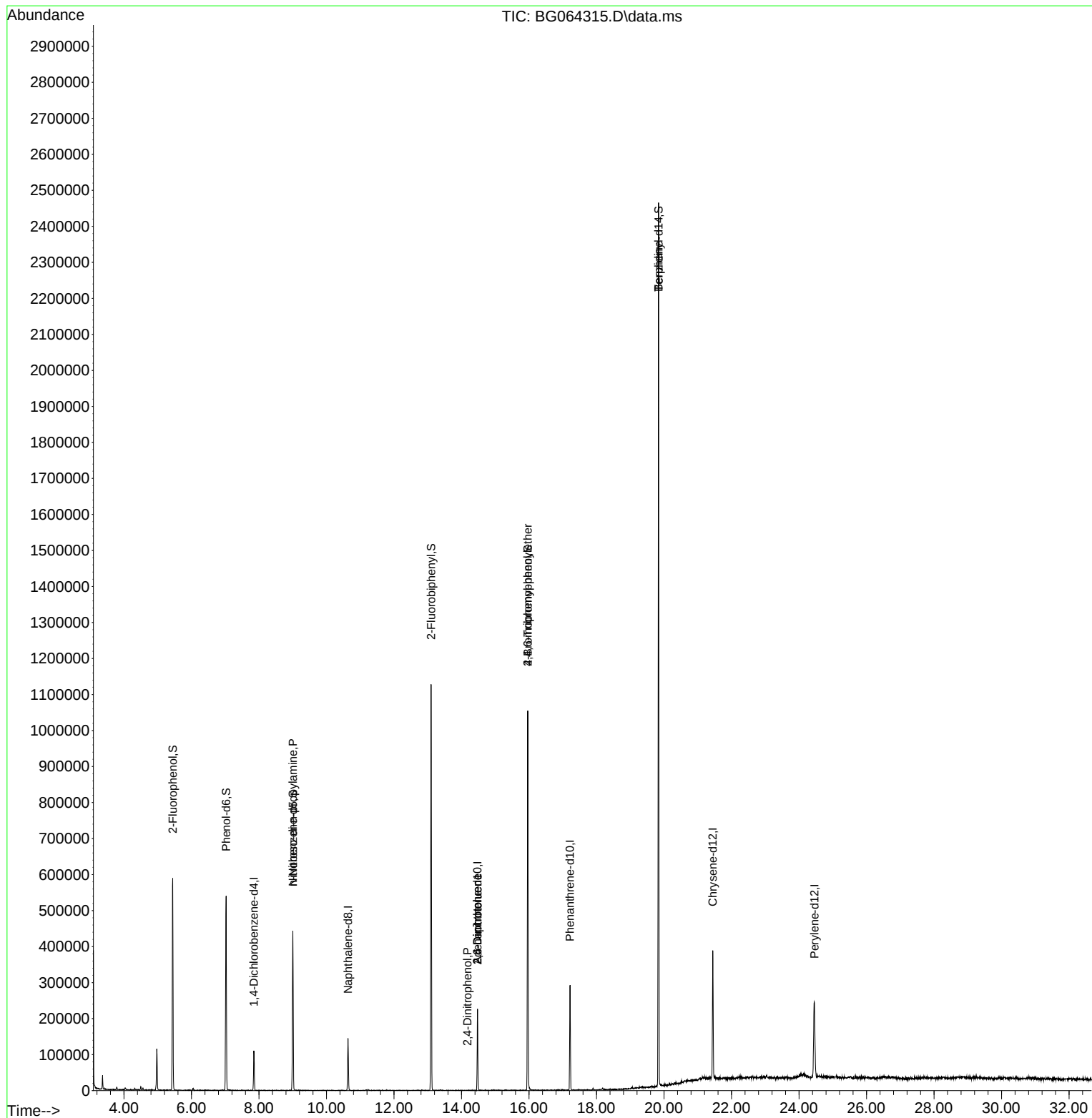
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.847	152	26179	20.000	ng	-0.01
21) Naphthalene-d8	10.638	136	106476	20.000	ng	#-0.01
39) Acenaphthene-d10	14.475	164	75819	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	176044	20.000	ng	-0.01
76) Chrysene-d12	21.443	240	199923	20.000	ng	#-0.01
86) Perylene-d12	24.457	264	221164	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	212232	145.446	ng	0.00
7) Phenol-d6	7.025	99	243878	121.656	ng	0.00
23) Nitrobenzene-d5	9.005	82	226092	118.423	ng	-0.01
42) 2,4,6-Tribromophenol	15.961	330	193297	192.478	ng	-0.01
45) 2-Fluorobiphenyl	13.100	172	545423	109.802	ng	-0.01
79) Terphenyl-d14	19.839	244	1107158	115.540	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.005	70	33119	21.587	ng	# 76
51) 2,6-Dinitrotoluene	14.475	165	11114	10.004	ng	# 14
54) 2,4-Dinitrophenol	14.175	184	58	5.726	ng	# 12
57) 2,4-Dinitrotoluene	14.475	165	11114	6.616	ng	# 17
67) 4-Bromophenyl-phenylether	15.961	248	13443	7.190	ng	# 1
77) Benzidine	19.839	184	22204	5.280	ng	# 85

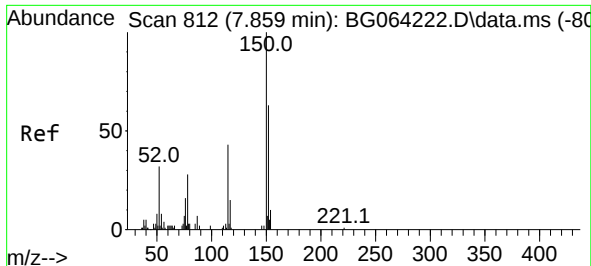
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
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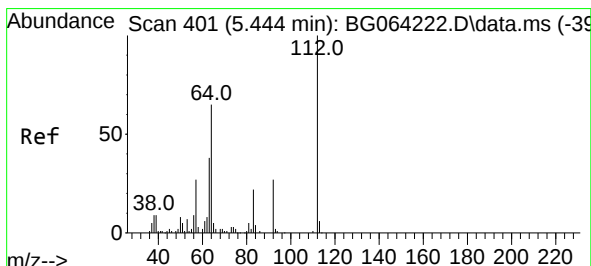
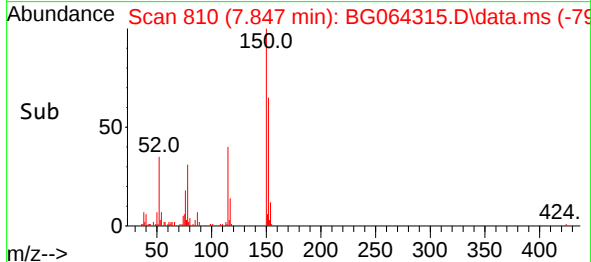
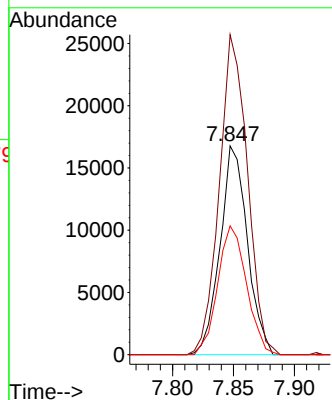
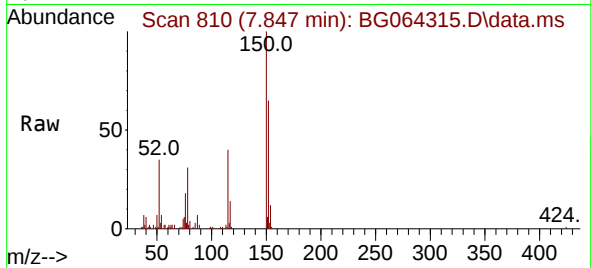




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.847 min Scan# 812
Delta R.T. -0.012 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

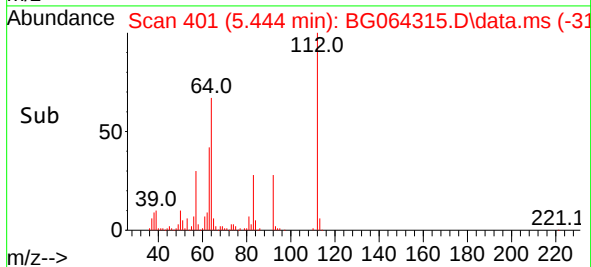
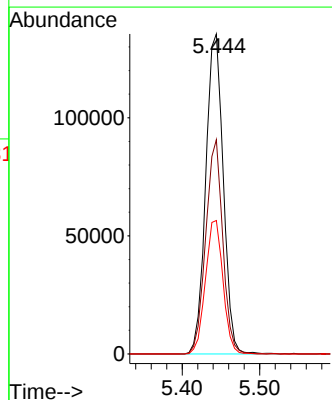
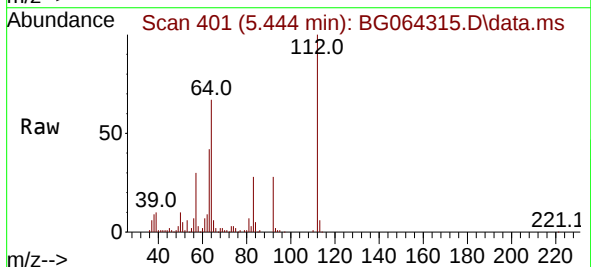
Instrument :
BNA_G
ClientSampleId :
TP-2

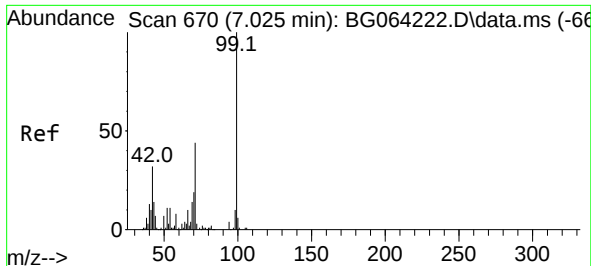
Tgt Ion:152 Resp: 26179
Ion Ratio Lower Upper
152 100
150 153.3 128.0 192.0
115 61.7 55.7 83.5



#5
2-Fluorophenol
Concen: 145.446 ng
RT: 5.444 min Scan# 401
Delta R.T. -0.000 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

Tgt Ion:112 Resp: 212232
Ion Ratio Lower Upper
112 100
64 66.9 51.8 77.6
63 41.7 30.6 45.8

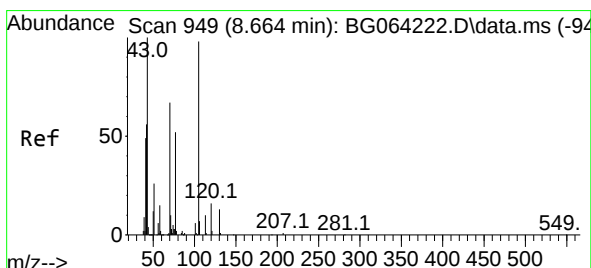
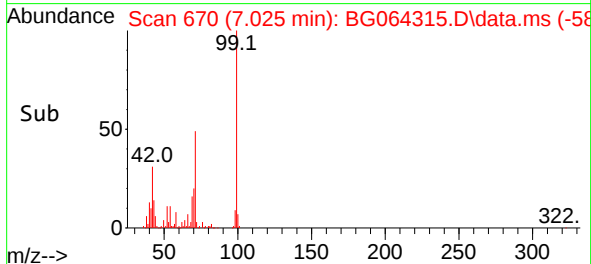
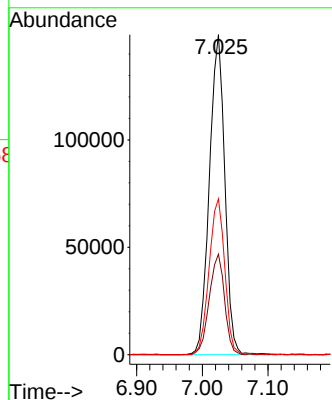
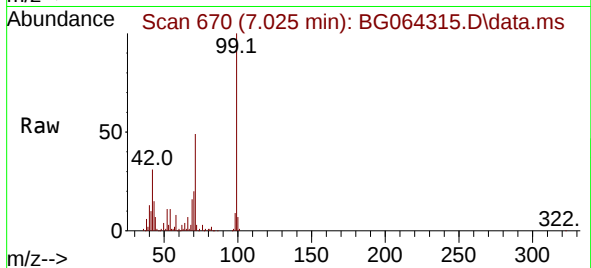




#7
Phenol-d6
Concen: 121.656 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

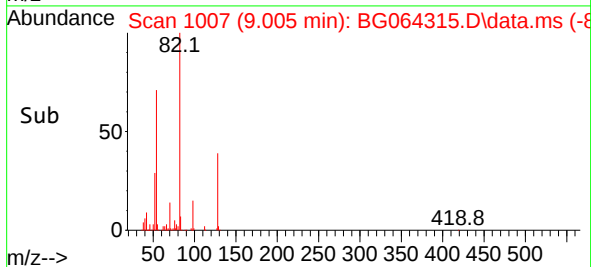
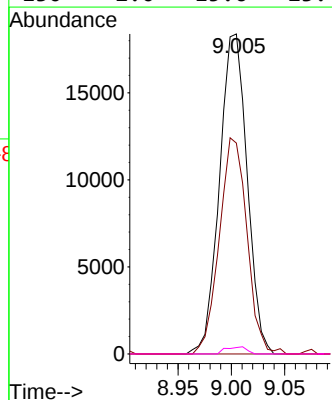
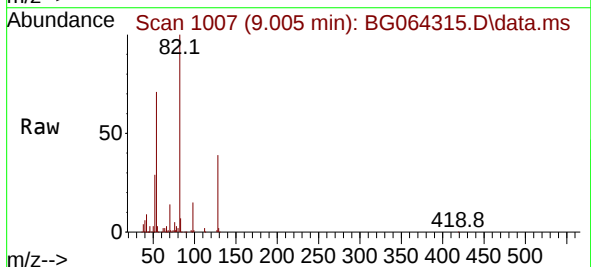
Instrument :
BNA_G
ClientSampleId :
TP-2

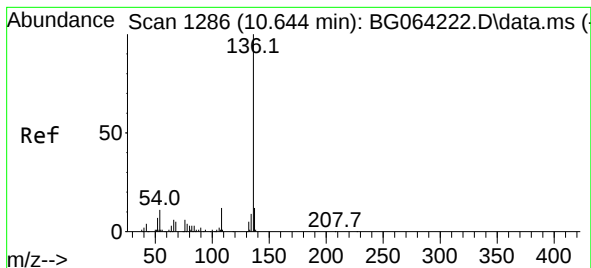
Tgt Ion: 99 Resp: 243878
Ion Ratio Lower Upper
99 100
42 31.4 25.8 38.8
71 48.7 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.587 ng
RT: 9.005 min Scan# 1007
Delta R.T. 0.341 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

Tgt Ion: 70 Resp: 33119
Ion Ratio Lower Upper
70 100
42 65.9 67.9 101.9#
101 0.0 7.3 10.9#
130 2.0 15.6 23.4#

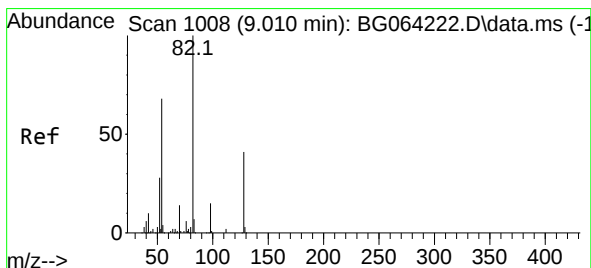
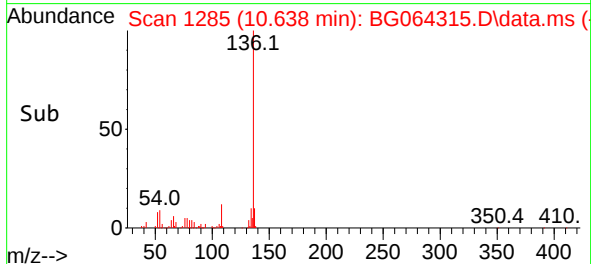
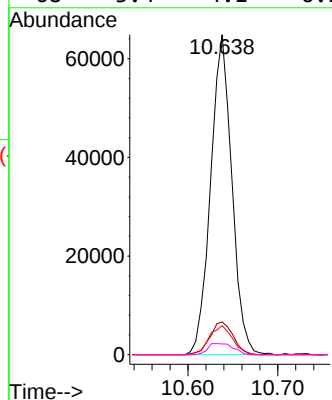
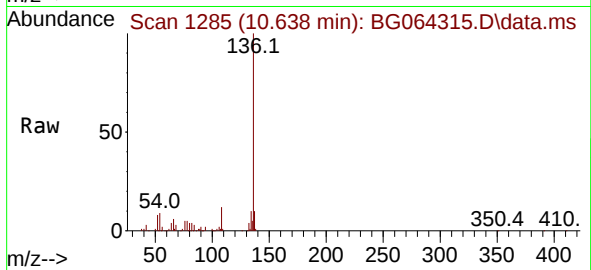




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.638 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

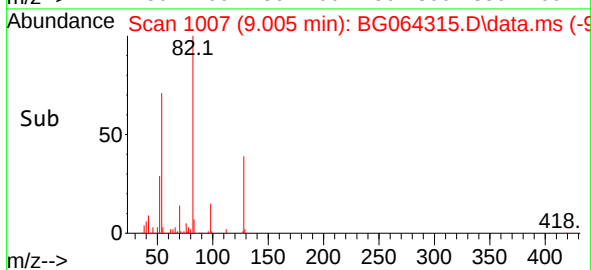
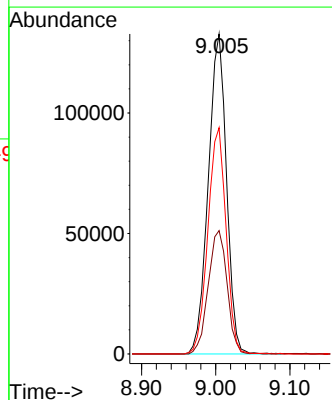
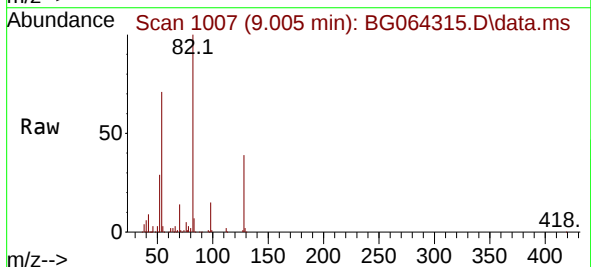
Instrument :
BNA_G
ClientSampleId :
TP-2

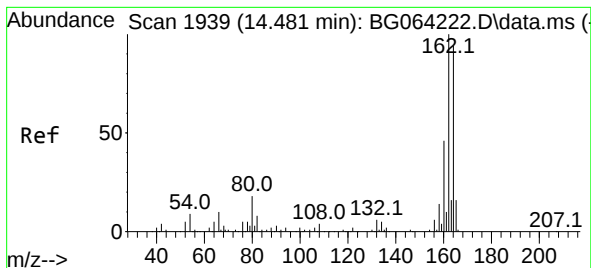
Tgt Ion:136 Resp: 106476
Ion Ratio Lower Upper
136 100
137 10.3 9.6 14.4
54 9.1 8.8 13.2
68 3.4 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 118.423 ng
RT: 9.005 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

Tgt Ion: 82 Resp: 226092
Ion Ratio Lower Upper
82 100
128 38.6 32.6 48.8
54 70.7 54.7 82.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.475 min Scan# 1938

Delta R.T. -0.006 min

Lab File: BG064315.D

Acq: 8 Sep 2025 20:25

Instrument :

BNA_G

ClientSampleId :

TP-2

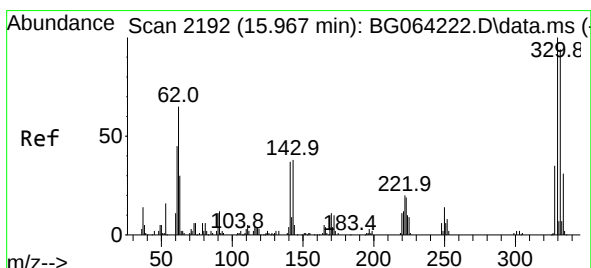
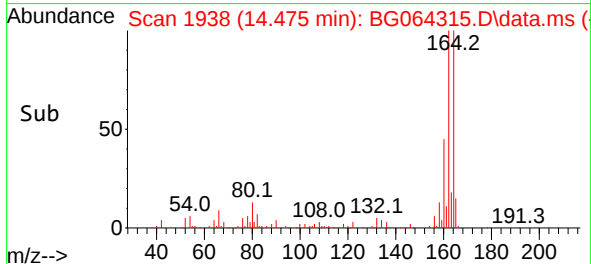
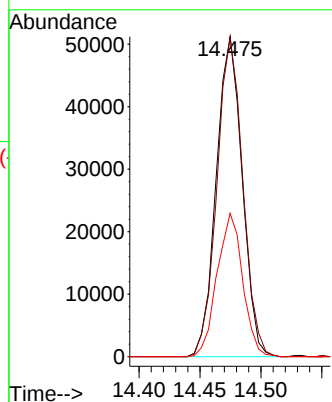
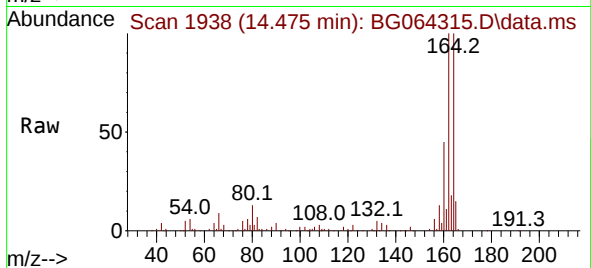
Tgt Ion:164 Resp: 75819

Ion Ratio Lower Upper

164 100

162 99.8 85.4 128.0

160 44.8 39.2 58.8



#42

2,4,6-Tribromophenol

Concen: 192.478 ng

RT: 15.961 min Scan# 2191

Delta R.T. -0.012 min

Lab File: BG064315.D

Acq: 8 Sep 2025 20:25

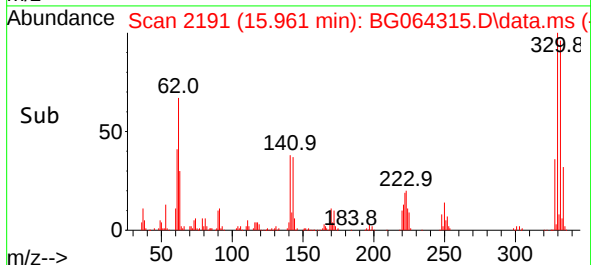
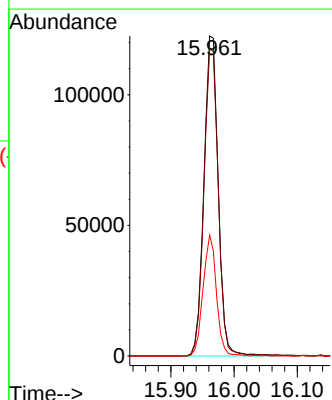
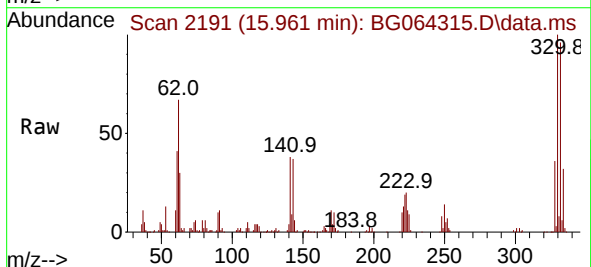
Tgt Ion:330 Resp: 193297

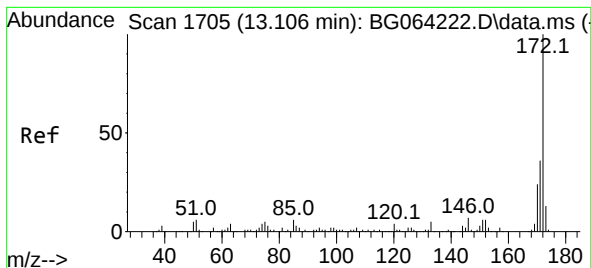
Ion Ratio Lower Upper

330 100

332 95.9 77.6 116.4

141 35.1 29.8 44.6





#45

2-Fluorobiphenyl

Concen: 109.802 ng

RT: 13.100 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG064315.D

Acq: 8 Sep 2025 20:25

Instrument :

BNA_G

ClientSampleId :

TP-2

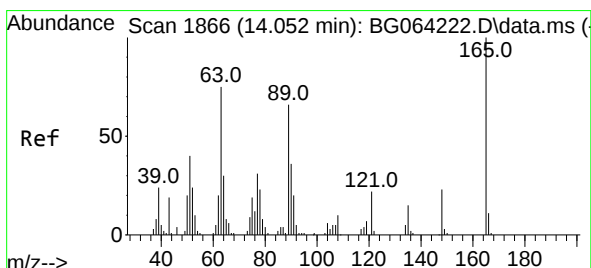
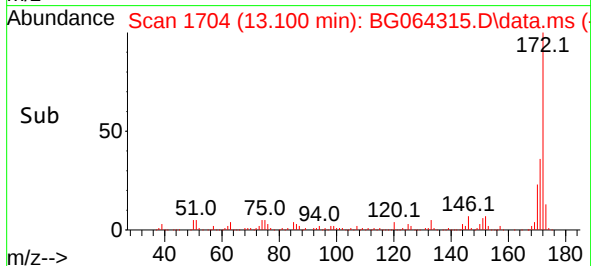
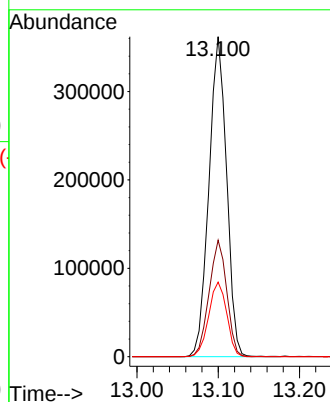
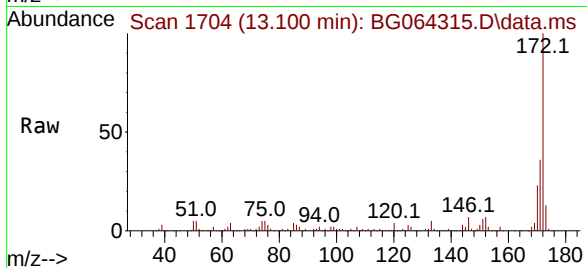
Tgt Ion:172 Resp: 545423

Ion Ratio Lower Upper

172 100

171 36.4 28.7 43.1

170 23.3 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.004 ng

RT: 14.475 min Scan# 1938

Delta R.T. 0.417 min

Lab File: BG064315.D

Acq: 8 Sep 2025 20:25

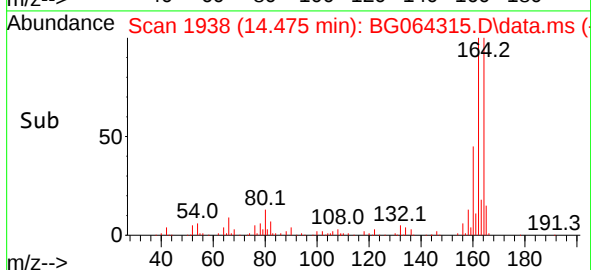
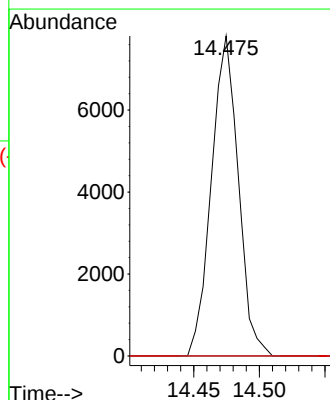
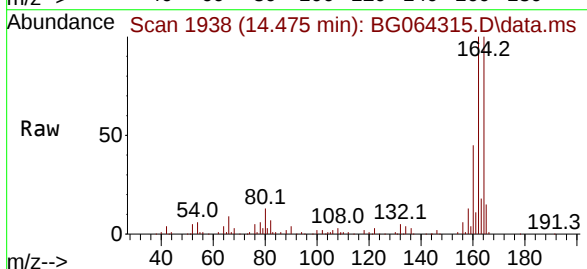
Tgt Ion:165 Resp: 11114

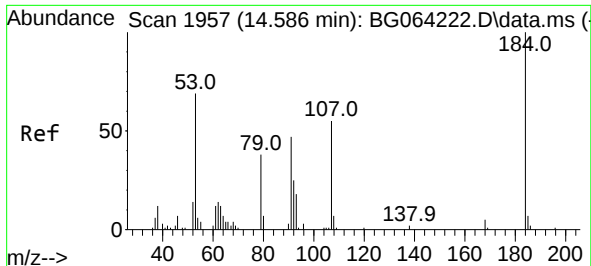
Ion Ratio Lower Upper

165 100

63 0.0 60.3 90.5#

89 0.0 52.9 79.3#

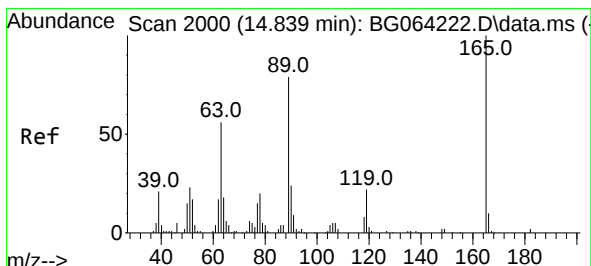
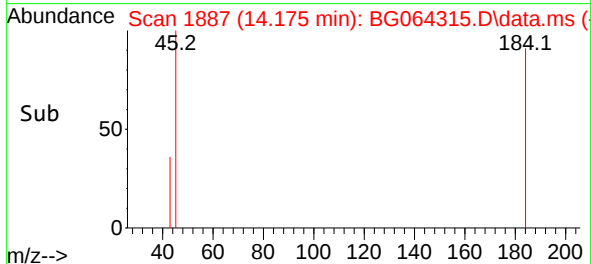
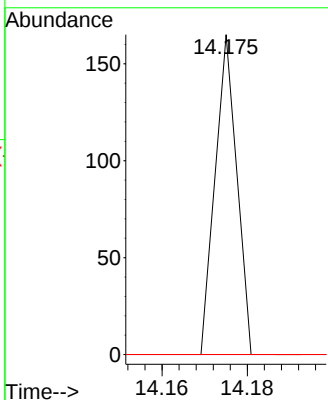
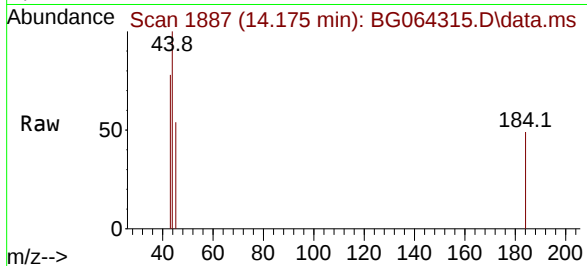




#54
2,4-Dinitrophenol
Concen: 5.726 ng
RT: 14.175 min Scan# 11
Delta R.T. -0.417 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

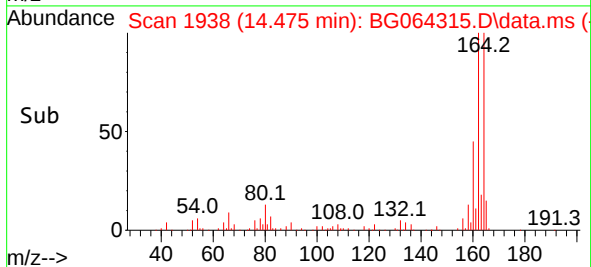
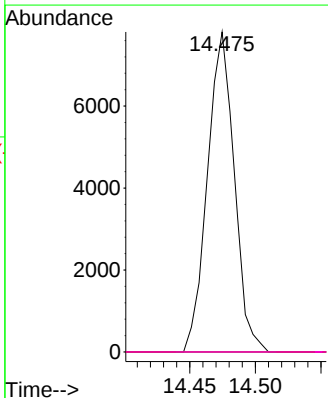
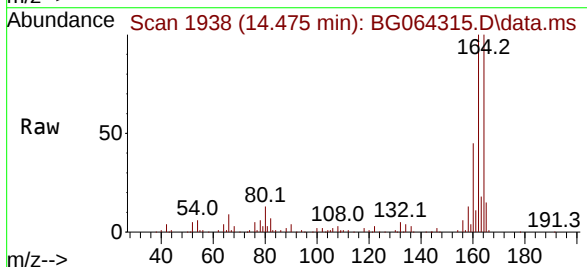
Instrument :
BNA_G
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TP-2

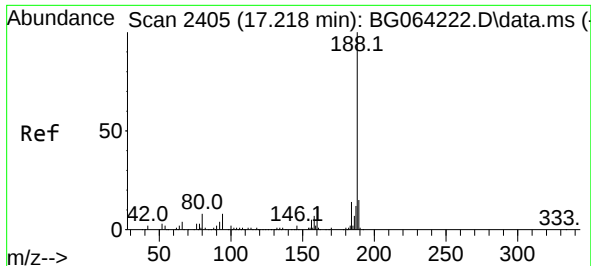
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 6.616 ng
RT: 14.475 min Scan# 1938
Delta R.T. -0.370 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

Tgt Ion:165 Resp: 11114
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#

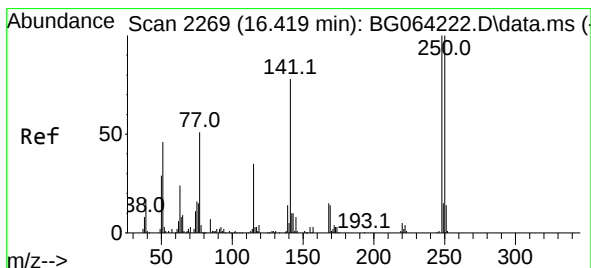
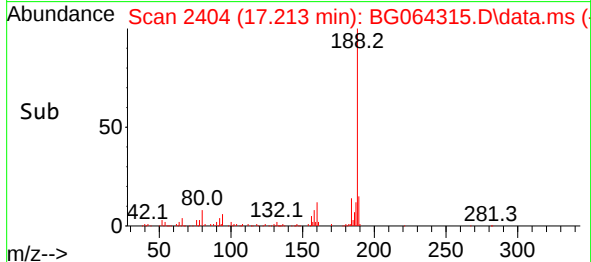
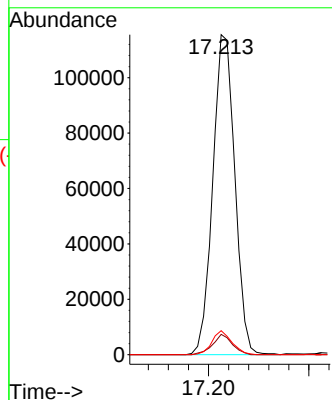
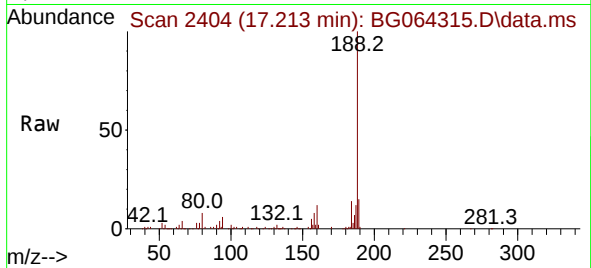




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2405
Delta R.T. -0.012 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

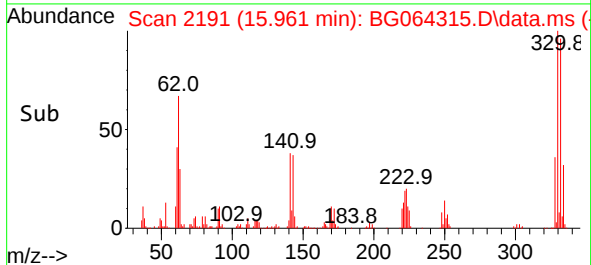
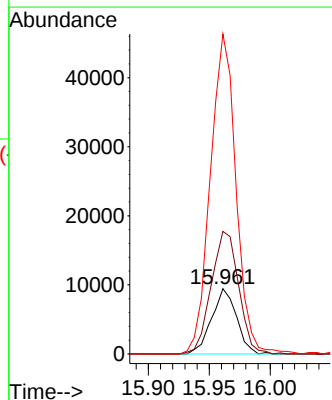
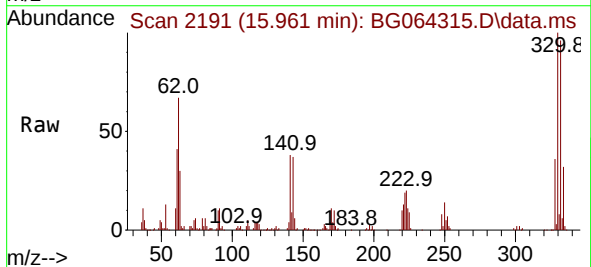
Instrument :
BNA_G
ClientSampleId :
TP-2

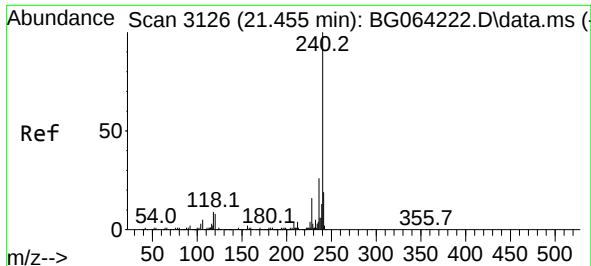
Tgt Ion:188 Resp: 176044
Ion Ratio Lower Upper
188 100
94 6.4 6.2 9.4
80 7.5 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 7.190 ng
RT: 15.961 min Scan# 2191
Delta R.T. -0.459 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

Tgt Ion:248 Resp: 13443
Ion Ratio Lower Upper
248 100
250 187.8 80.2 120.4#
141 490.5 62.4 93.6#

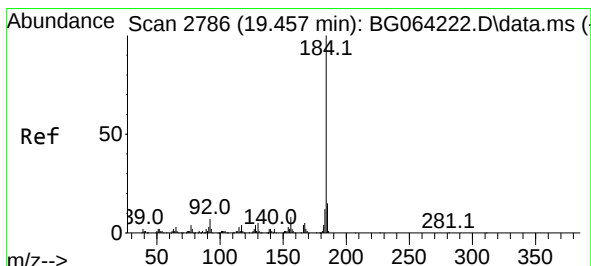
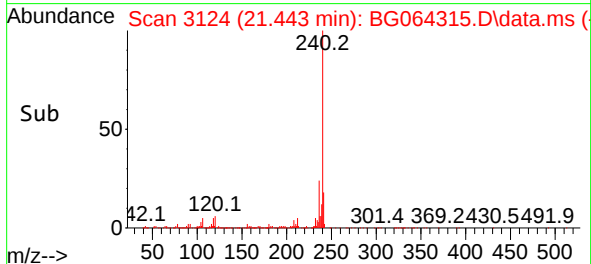
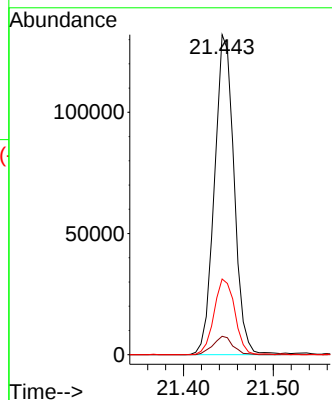
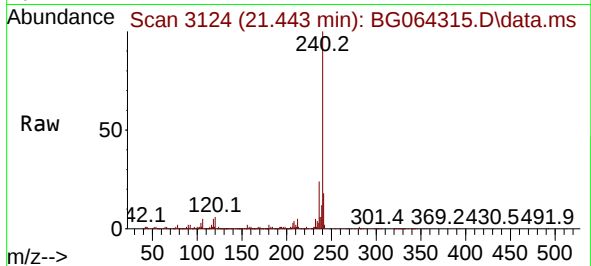




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.443 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

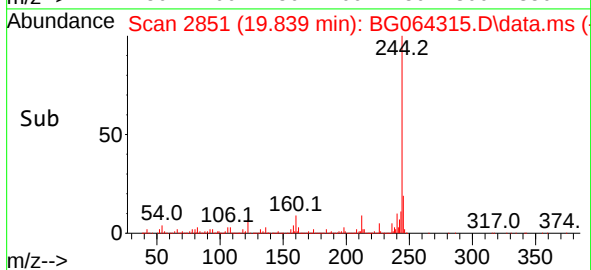
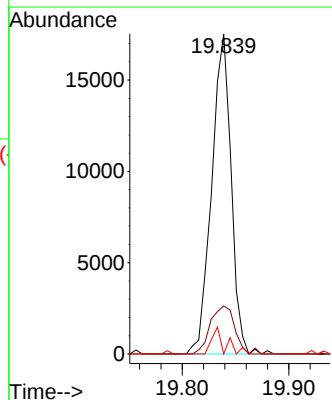
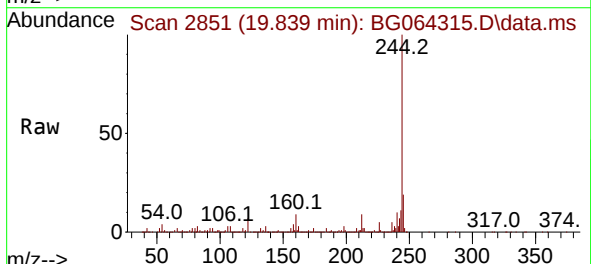
Instrument :
BNA_G
ClientSampleId :
TP-2

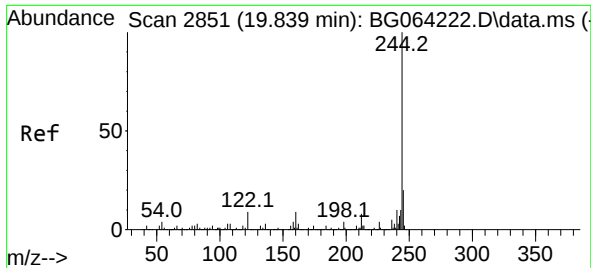
Tgt Ion:240 Resp: 199923
Ion Ratio Lower Upper
240 100
120 5.7 6.2 9.4#
236 23.7 20.5 30.7



#77
Benzidine
Concen: 5.280 ng
RT: 19.839 min Scan# 2851
Delta R.T. 0.382 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

Tgt Ion:184 Resp: 22204
Ion Ratio Lower Upper
184 100
185 15.0 11.7 17.5
183 0.0 9.7 14.5#



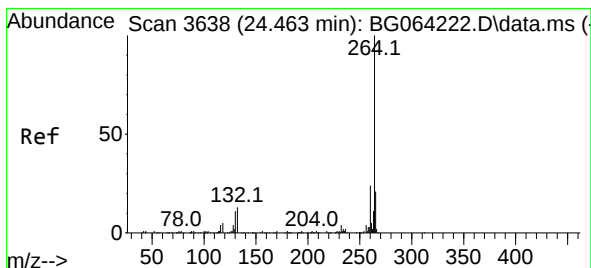
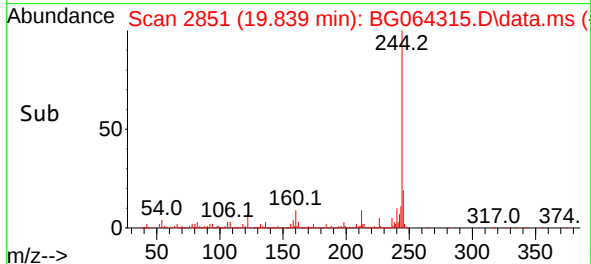
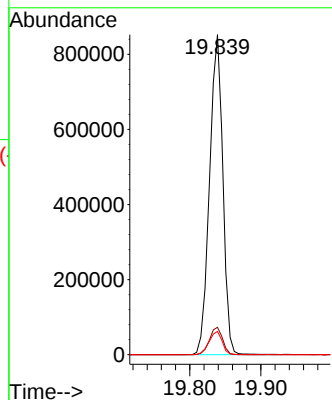
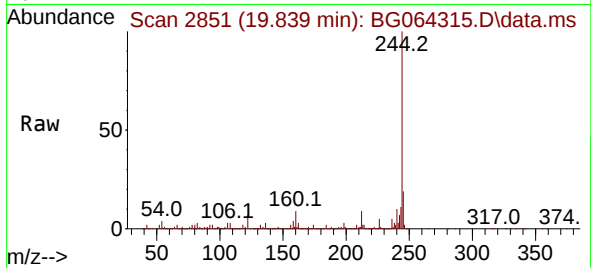


#79
 Terphenyl-d14
 Concen: 115.540 ng
 RT: 19.839 min Scan# 2851
 Delta R.T. -0.006 min
 Lab File: BG064315.D
 Acq: 8 Sep 2025 20:25

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Tgt Ion:244 Resp: 1107158

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.6	10.0
122	7.2	7.0	10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.457 min Scan# 3637
 Delta R.T. -0.006 min
 Lab File: BG064315.D
 Acq: 8 Sep 2025 20:25

Tgt Ion:264 Resp: 221164

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	23.0	16.7	25.1

