

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 :

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)

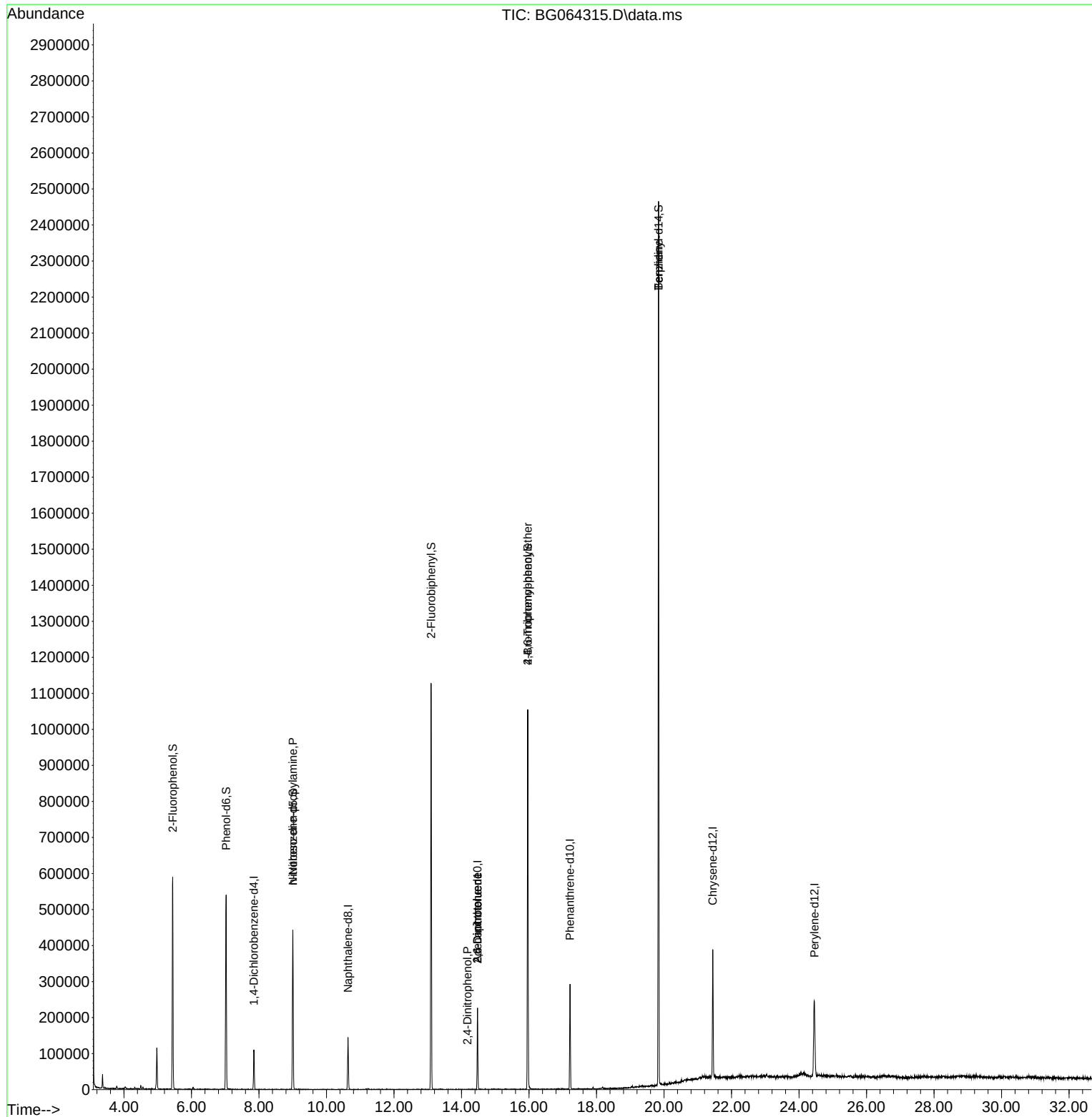
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.847	152	26179	20.000	ng	-0.01
21) Naphthalene-d8	10.638	136	106476	20.000	ng	#-0.01
39) Acenaphthene-d10	14.475	164	75819	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	176044	20.000	ng	-0.01
76) Chrysene-d12	21.443	240	199923	20.000	ng	#-0.01
86) 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

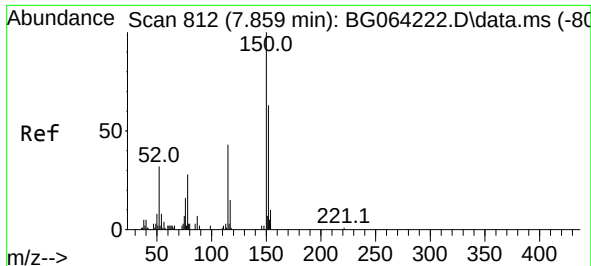
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

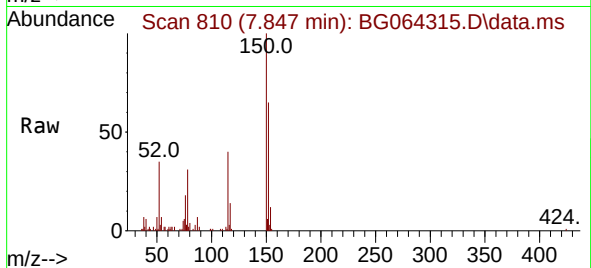
Quant Time: Sep 09 01:32:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration



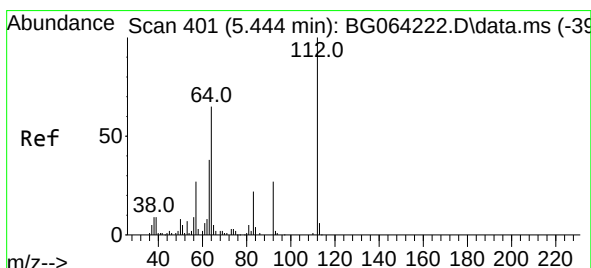
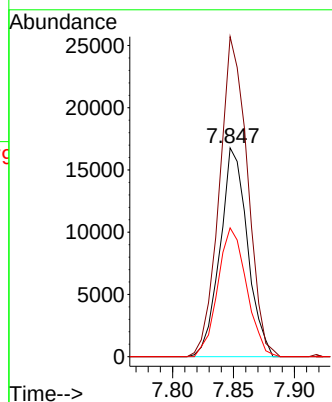
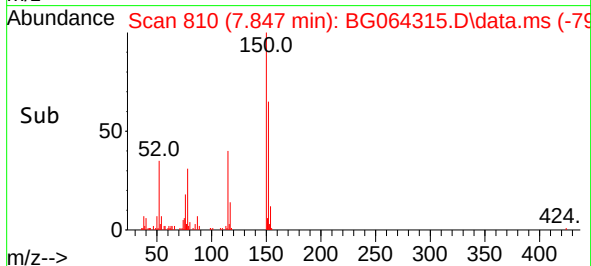


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.847 min Scan# 812
Delta R.T. -0.012 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

Instrument :
BNA_G
ClientSampleId :

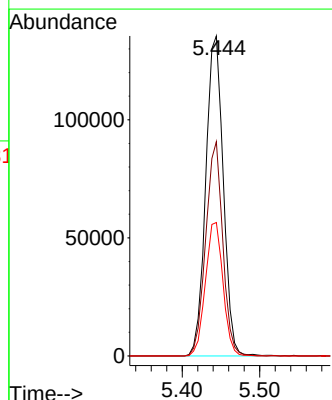
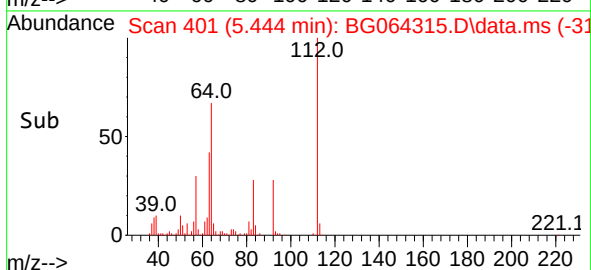
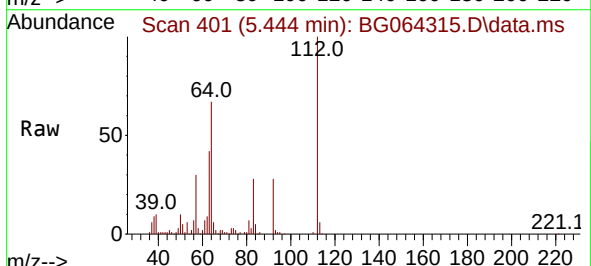


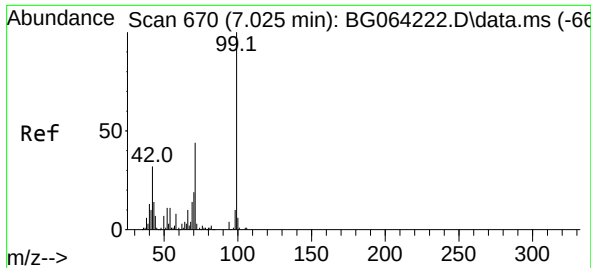
Tgt Ion:152 Resp: 26179
Ion Ratio Lower Upper
152 100
150 153.3 128.0 192.0
115 61.7 55.7 83.5



#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

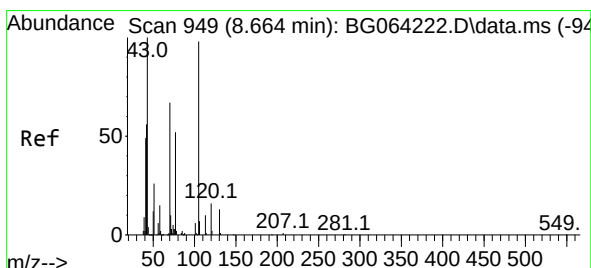
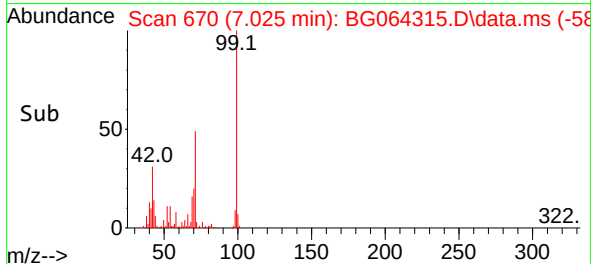
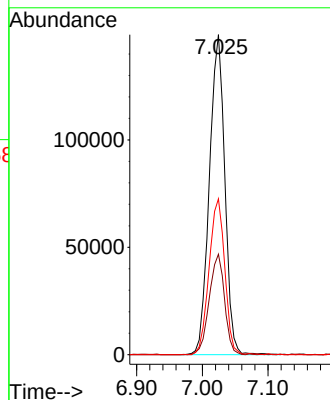
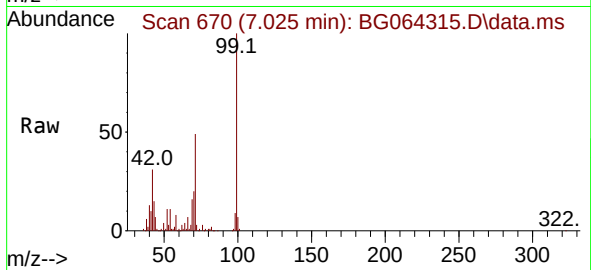




#7
Phenol-d6
Concen: 121.656 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

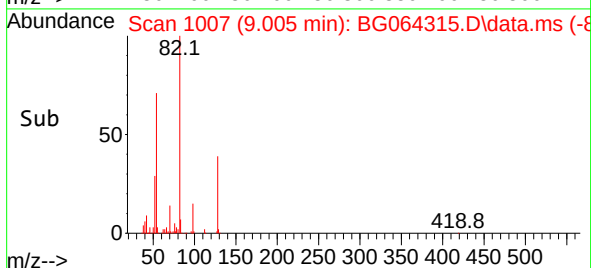
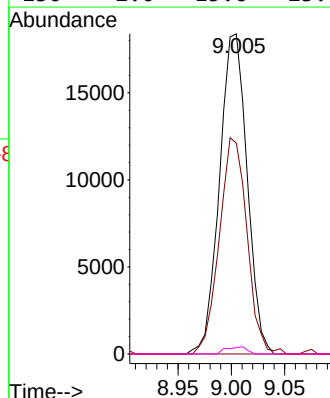
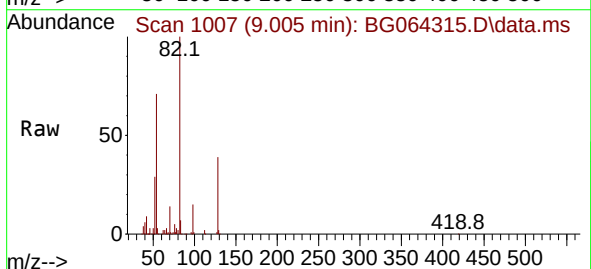
Instrument :
BNA_G
ClientSampleId :

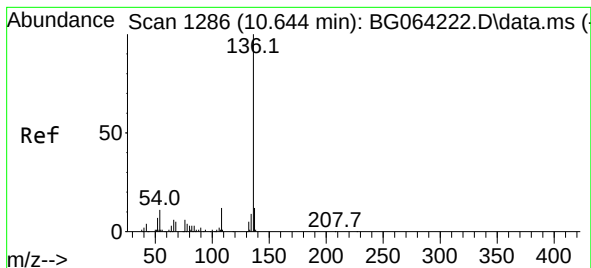
Tgt Ion: 99 Resp: 243878
Ion Ratio Lower Upper
99 100
42 31.4 25.8 38.8
71 48.7 35.2 52.8



#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#

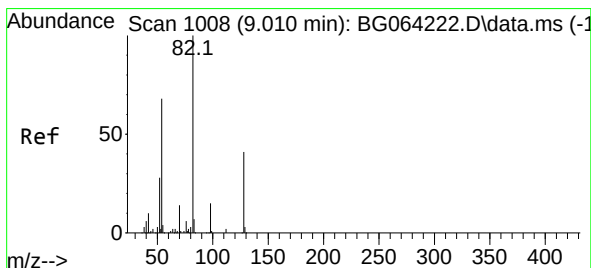
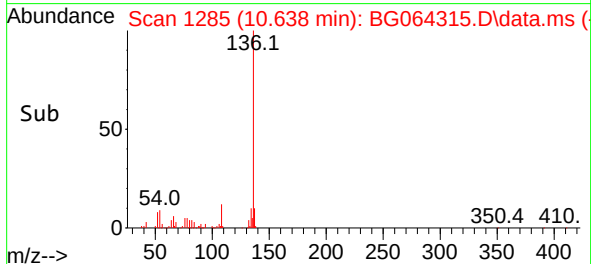
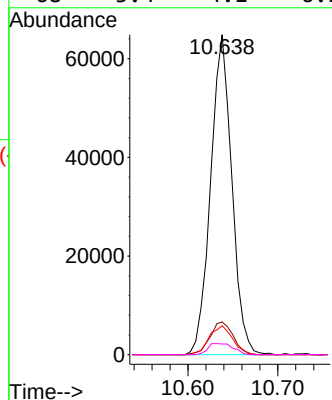
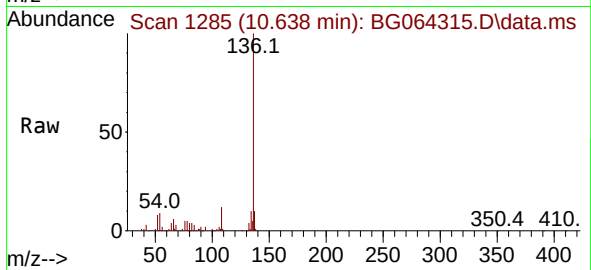




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.638 min Scan# 106476
Delta R.T. -0.012 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

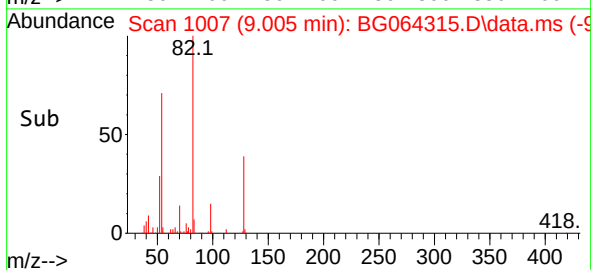
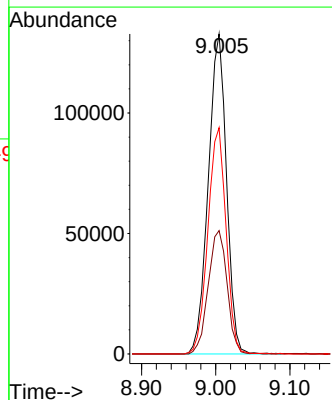
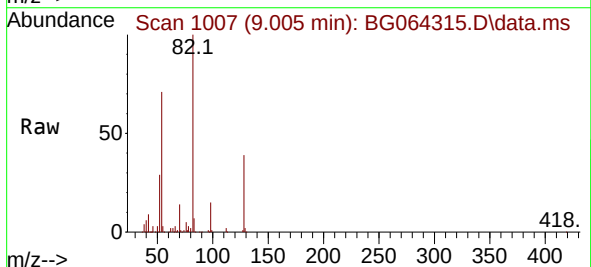
Instrument :
BNA_G
ClientSampleId :

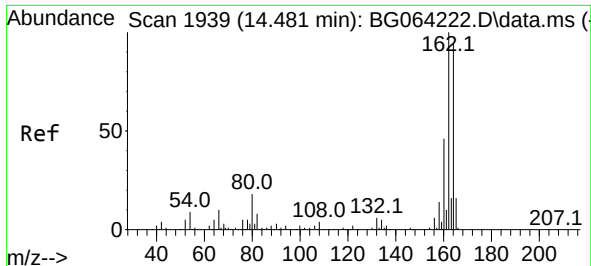
Tgt Ion:136 Resp: 106476
Ion Ratio Lower Upper
136 100
137 10.3 9.6 14.4
54 9.1 8.8 13.2
68 3.4 4.1 6.1#



#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

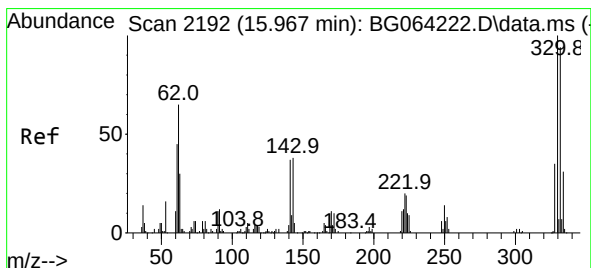
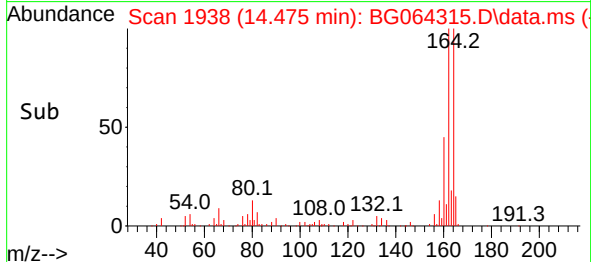
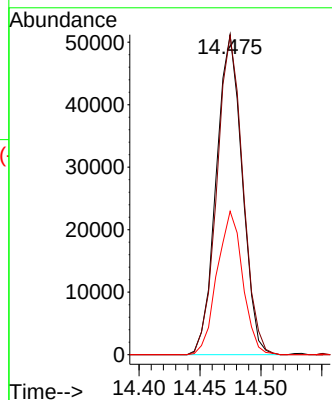
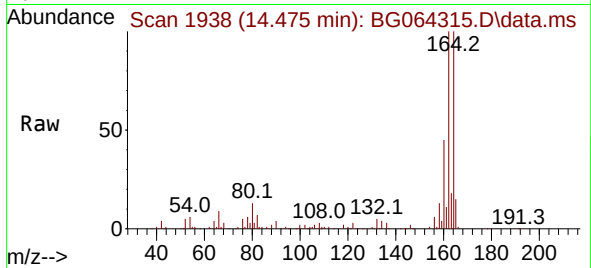




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

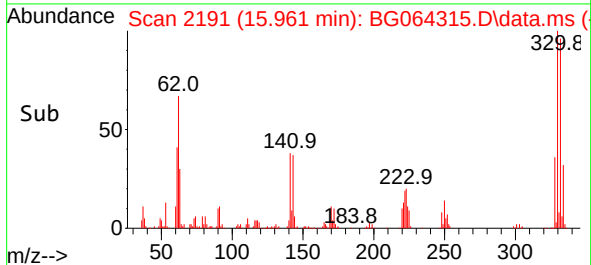
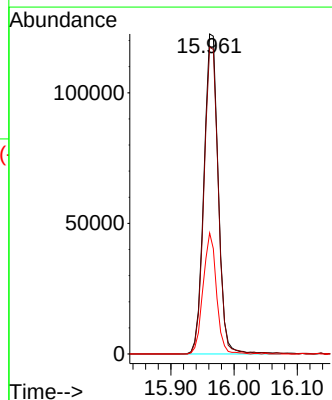
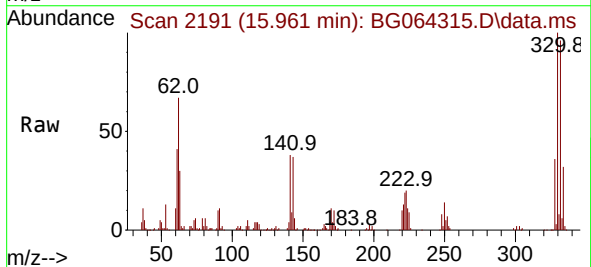
Instrument :
BNA_G
ClientSampleId :

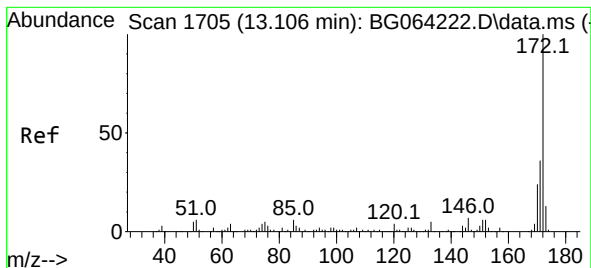
Tgt Ion:164 Resp: 75819
Ion Ratio Lower Upper
164 100
162 99.8 85.4 128.0
160 44.8 39.2 58.8



#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

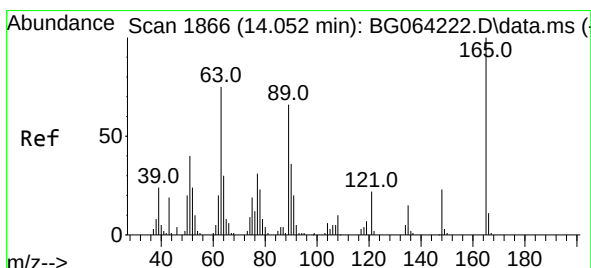
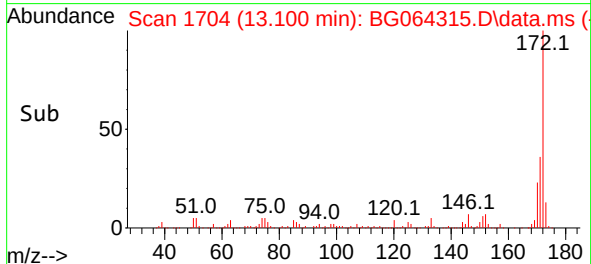
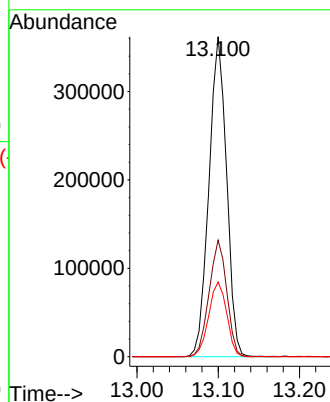
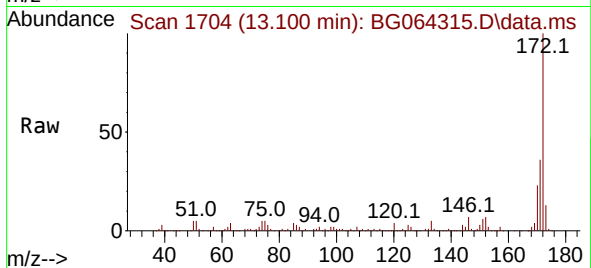




#45
2-Fluorobiphenyl
Concen: 109.802 ng
RT: 13.100 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

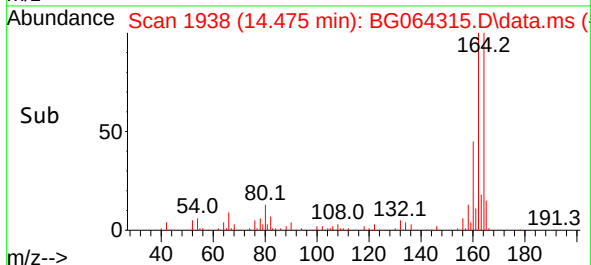
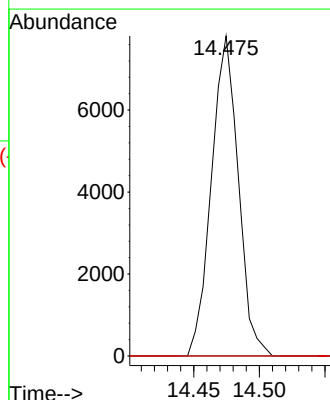
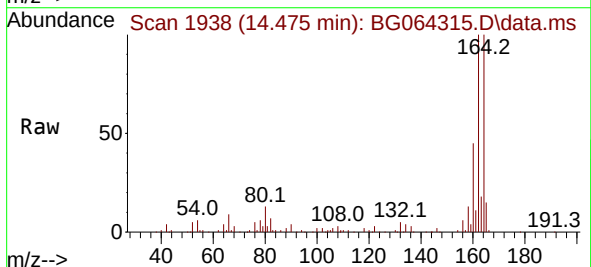
Instrument :
BNA_G
ClientSampleId :

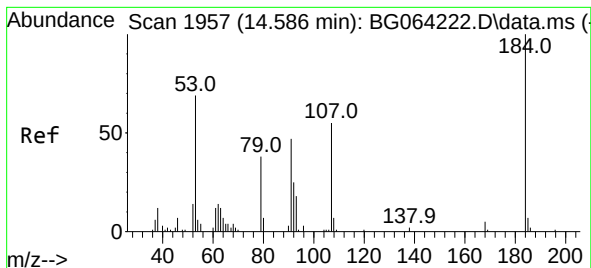
Tgt Ion:172 Resp: 545423
Ion Ratio Lower Upper
172 100
171 36.4 28.7 43.1
170 23.3 19.0 28.6



#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

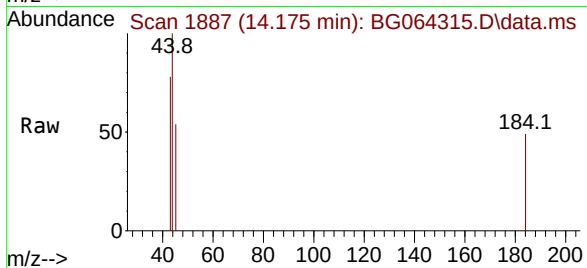
Tgt Ion:165 Resp: 11114
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#



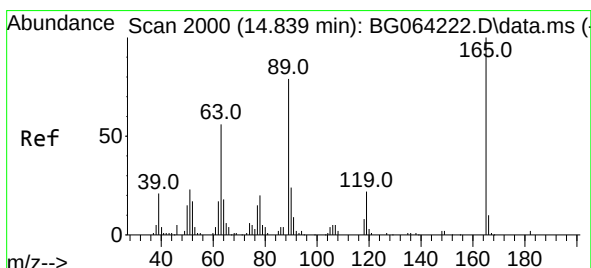
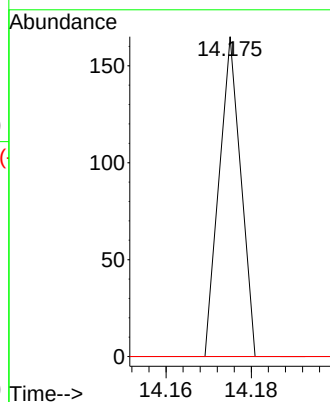
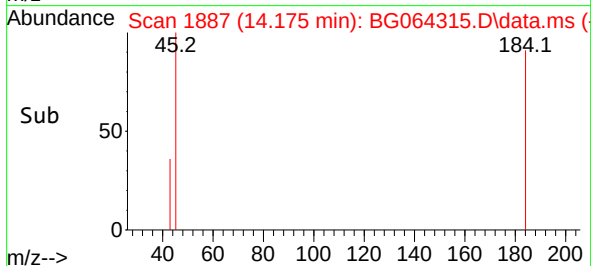


#54
2,4-Dinitrophenol
Concen: 5.726 ng
RT: 14.175 min Scan# 11
Delta R.T. -0.417 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

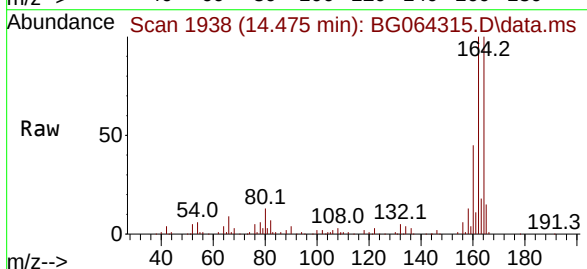
Instrument :
BNA_G
ClientSampleId :



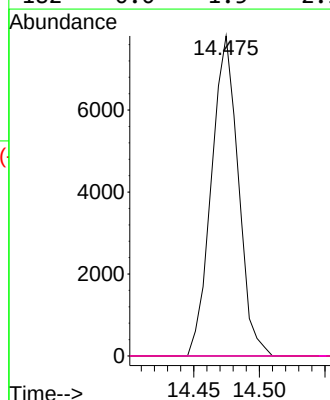
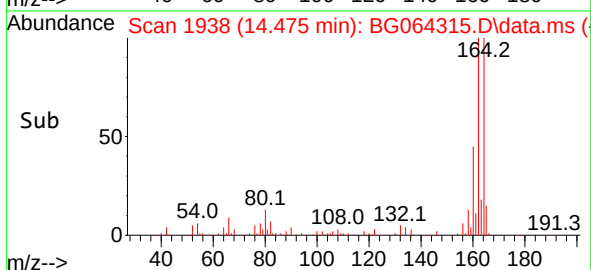
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#

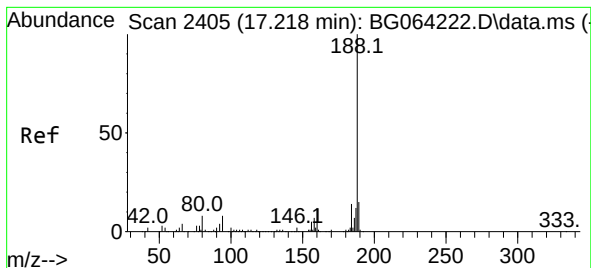


#57
2,4-Dinitrotoluene
Concen: 6.616 ng
RT: 14.475 min Scan# 1938
Delta R.T. -0.370 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25



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

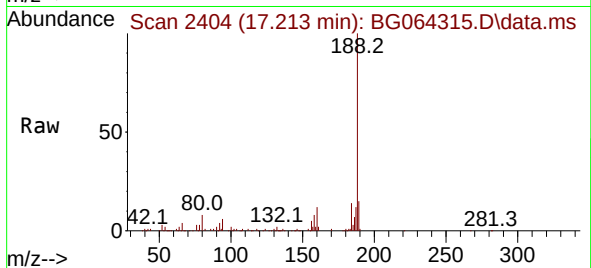
Lab File: BG064315.D

Acq: 8 Sep 2025 20:25

Instrument :

BNA_G

ClientSampleId :



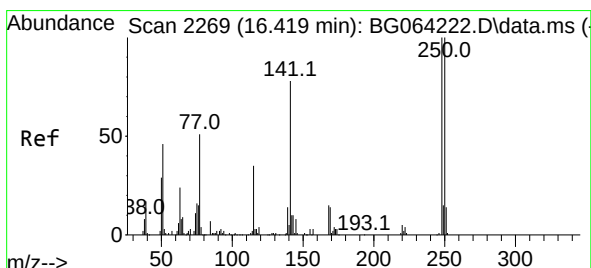
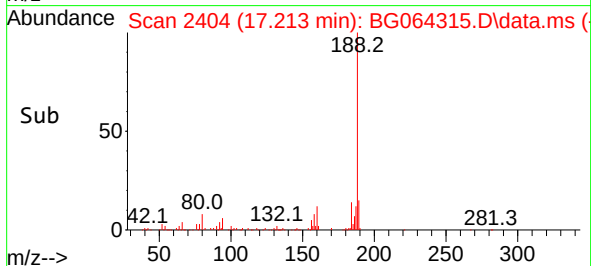
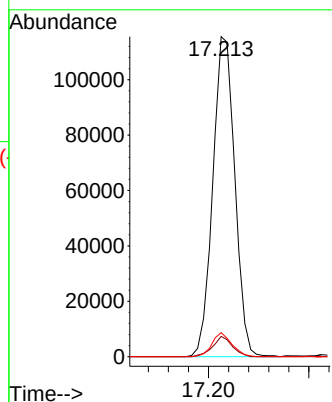
Tgt Ion:188 Resp: 176044

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

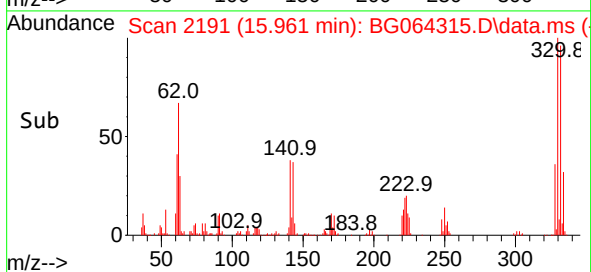
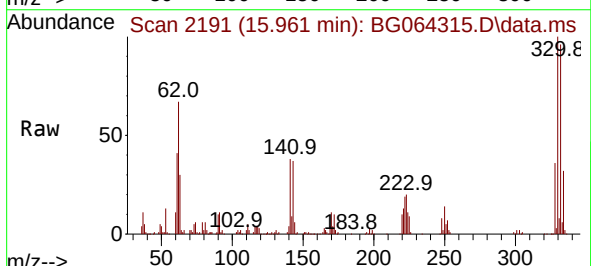
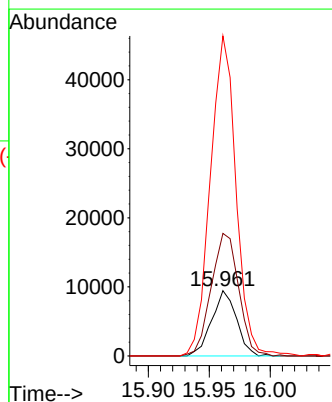
Tgt Ion:248 Resp: 13443

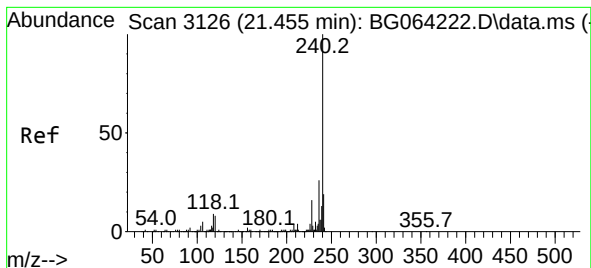
Ion Ratio Lower Upper

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 :

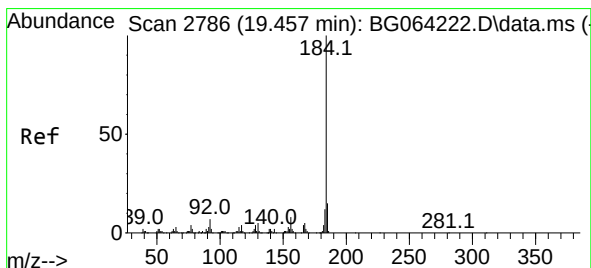
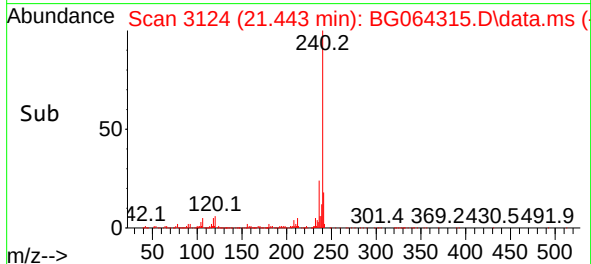
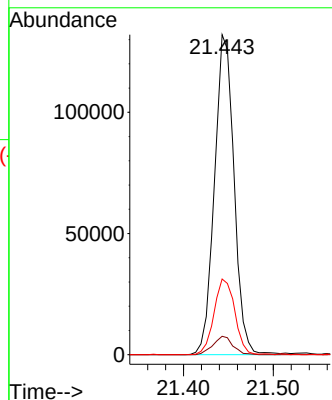
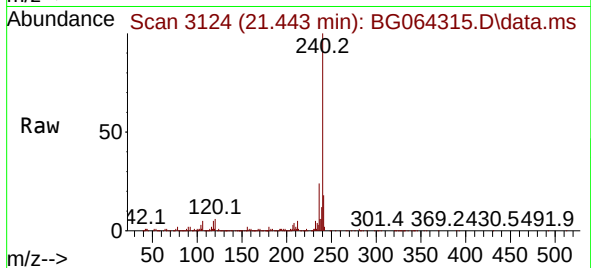
Tgt Ion:240 Resp: 199923

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

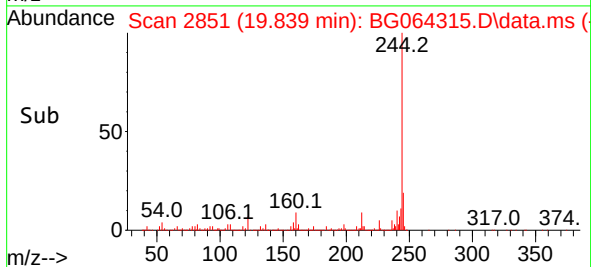
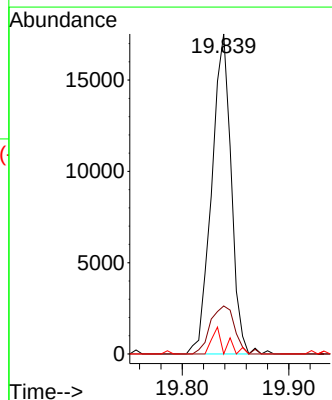
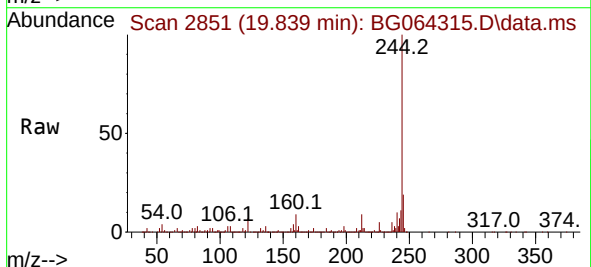
Tgt Ion:184 Resp: 22204

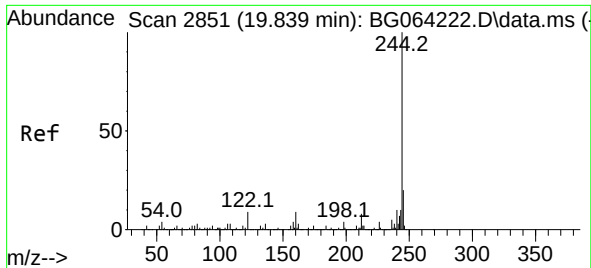
Ion Ratio Lower Upper

184 100

185 15.0 11.7 17.5

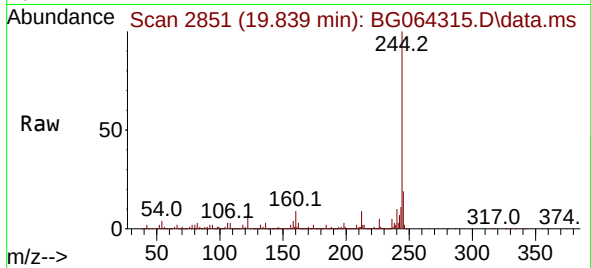
183 0.0 9.7 14.5#



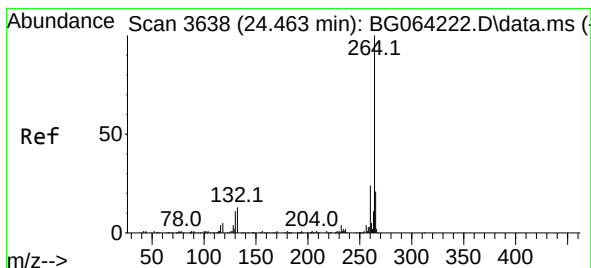
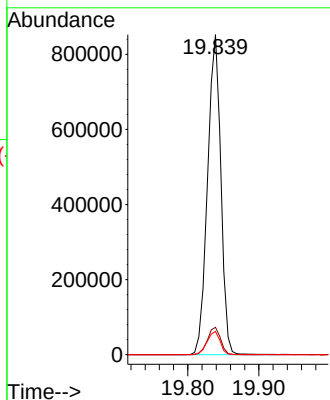
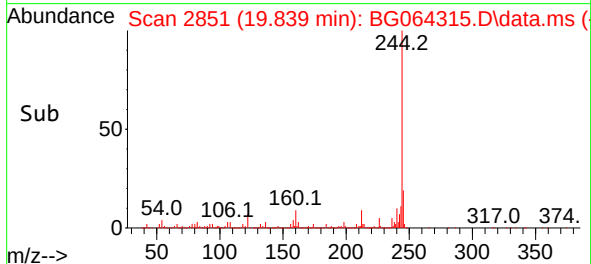


#79
Terphenyl-d14
Concen: 115.540 ng
RT: 19.839 min Scan# 2851
Delta R.T. -0.006 min
Lab File: BG064315.D
Acq: 8 Sep 2025 20:25

Instrument :
BNA_G
ClientSampleId :



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

