

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082925\
 Data File : BG064240.D
 Acq On : 29 Aug 2025 23:26
 Operator : RC/JU
 Sample : Q2982-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 30 00:03:09 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)

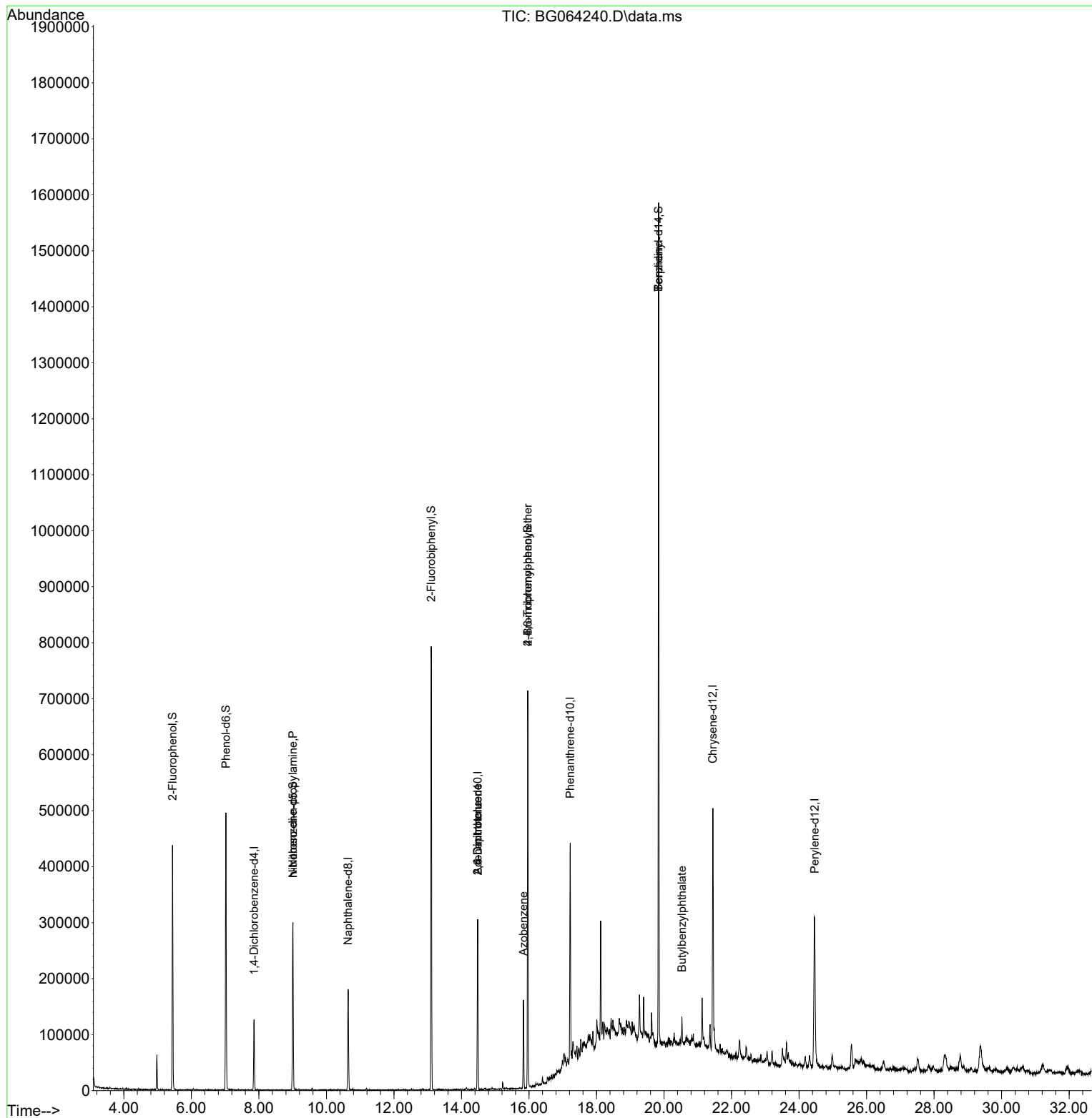
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.856	152	31507	20.000	ng	0.00
21) Naphthalene-d8	10.641	136	141239	20.000	ng	0.00
39) Acenaphthene-d10	14.478	164	103259	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	233430	20.000	ng	0.00
76) Chrysene-d12	21.446	240	239933	20.000	ng	0.00
86) Perylene-d12	24.460	264	264828	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.441	112	163408	93.049	ng	0.00
7) Phenol-d6	7.022	99	230878	95.695	ng	0.00
23) Nitrobenzene-d5	9.008	82	158938	62.759	ng	0.00
42) 2,4,6-Tribromophenol	15.964	330	120070	87.789	ng	0.00
45) 2-Fluorobiphenyl	13.103	172	392460	58.013	ng	0.00
79) Terphenyl-d14	19.842	244	695363	60.466	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.008	70	22143	11.992	ng	# 73
51) 2,6-Dinitrotoluene	14.478	165	14012	9.260	ng	# 16
57) 2,4-Dinitrotoluene	14.478	165	14012	6.125	ng	# 18
63) Azobenzene	15.835	77	43591	5.847	ng	# 9
67) 4-Bromophenyl-phenylether	15.964	248	8639	3.484	ng	# 1
77) Benzidine	19.836	184	13394	2.654	ng	# 94
80) Butylbenzylphthalate	20.529	149	11563	2.028	ng	95

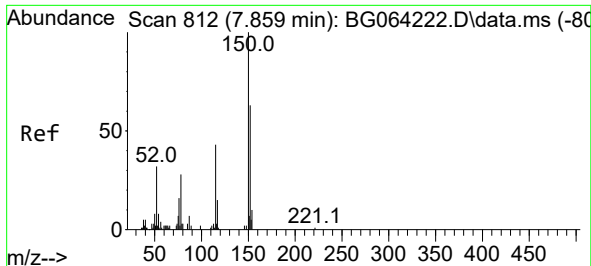
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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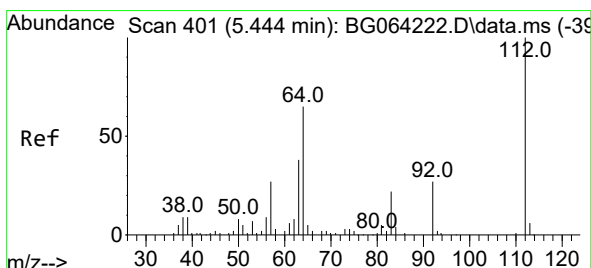
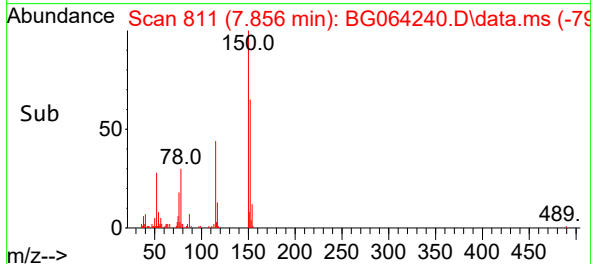
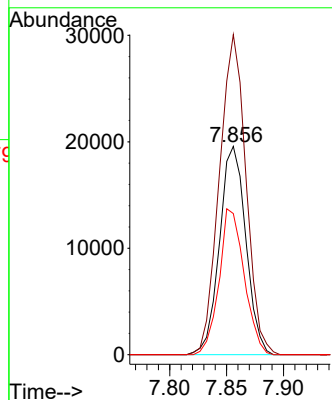
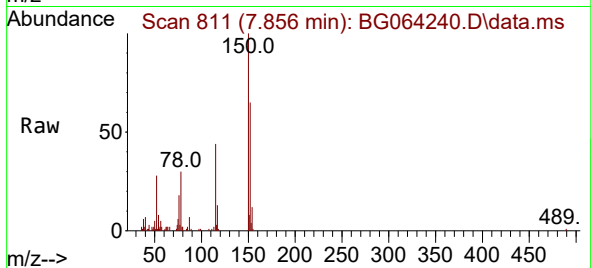




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.856 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

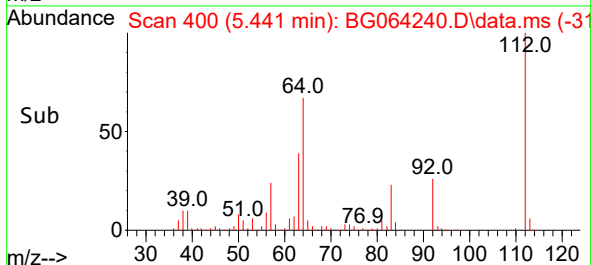
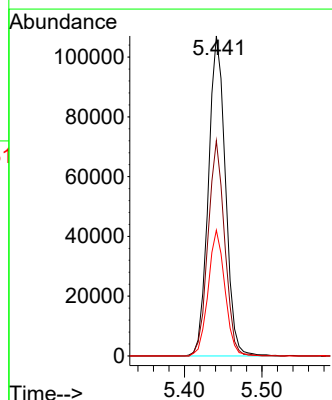
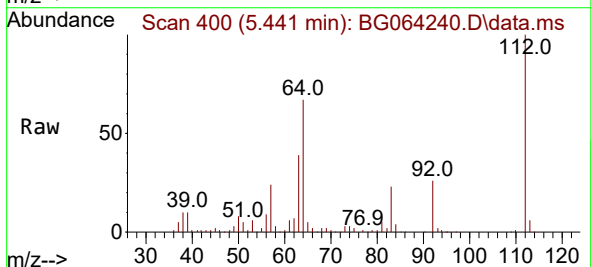
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

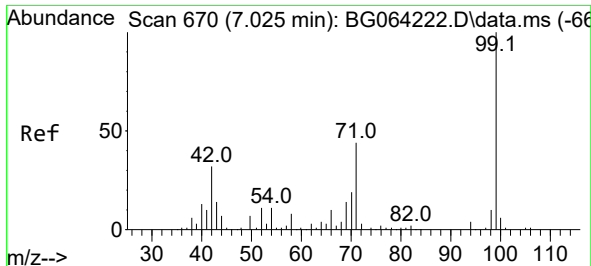
Tgt Ion:152 Resp: 31507
Ion Ratio Lower Upper
152 100
150 153.6 128.0 192.0
115 67.8 55.7 83.5



#5
2-Fluorophenol
Concen: 93.049 ng
RT: 5.441 min Scan# 400
Delta R.T. -0.003 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

Tgt Ion:112 Resp: 163408
Ion Ratio Lower Upper
112 100
64 67.3 51.8 77.6
63 39.3 30.6 45.8

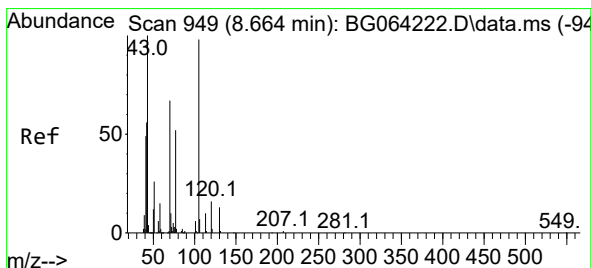
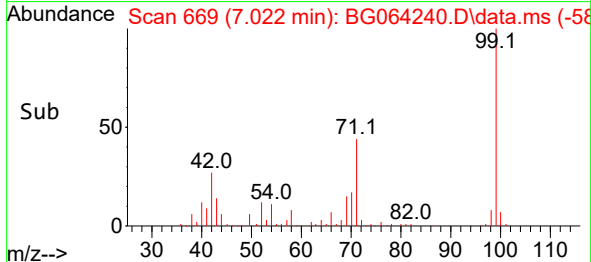
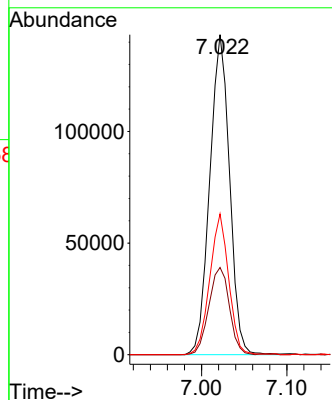
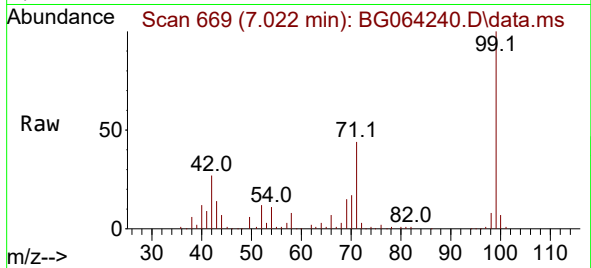




#7
Phenol-d6
Concen: 95.695 ng
RT: 7.022 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

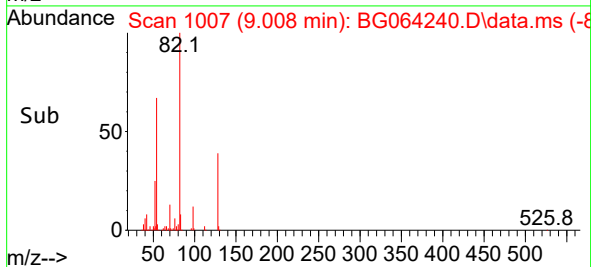
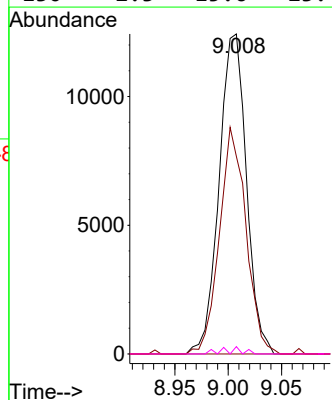
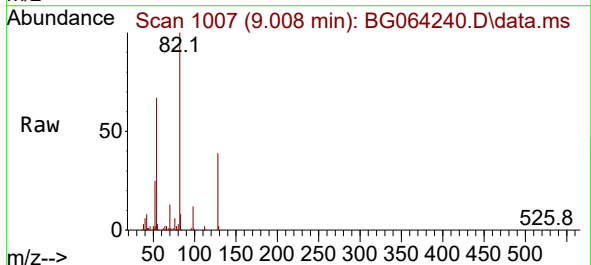
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

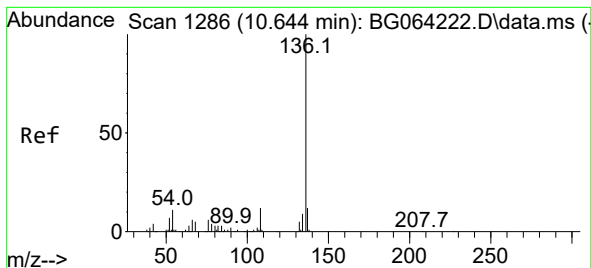
Tgt Ion: 99 Resp: 230878
Ion Ratio Lower Upper
99 100
42 27.3 25.8 38.8
71 44.0 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.992 ng
RT: 9.008 min Scan# 1007
Delta R.T. 0.343 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

Tgt Ion: 70 Resp: 22143
Ion Ratio Lower Upper
70 100
42 61.8 67.9 101.9#
101 0.0 7.3 10.9#
130 2.3 15.6 23.4#

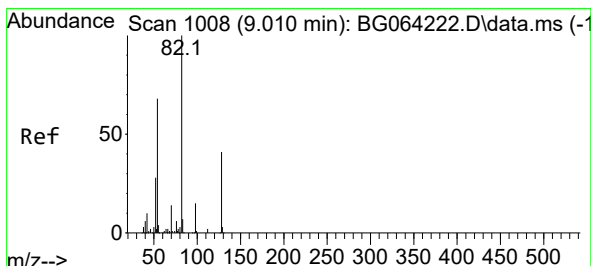
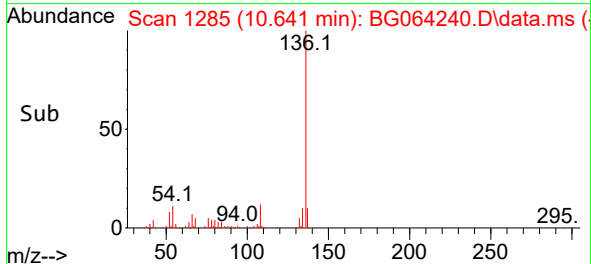
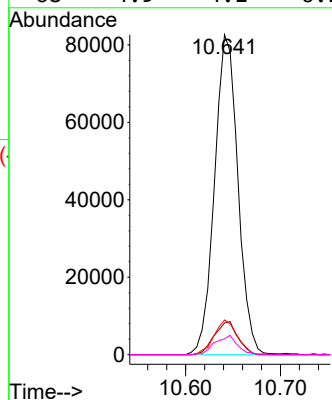
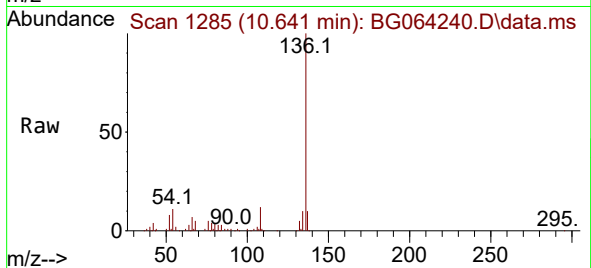




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.641 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

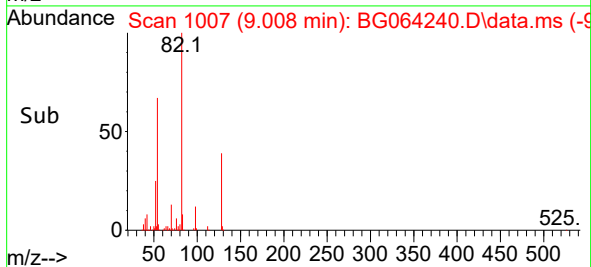
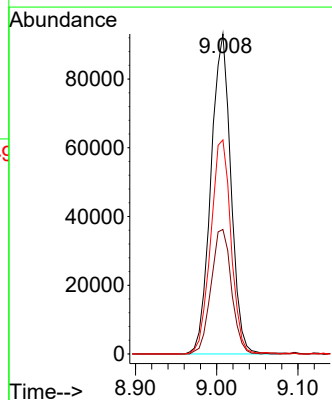
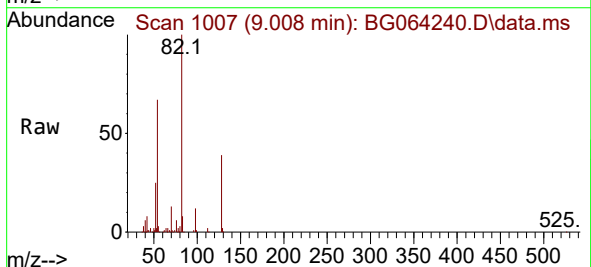
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

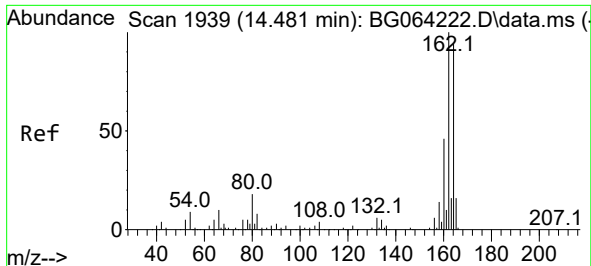
Tgt Ion:136 Resp: 141239
Ion Ratio Lower Upper
136 100
137 9.9 9.6 14.4
54 10.9 8.8 13.2
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 62.759 ng
RT: 9.008 min Scan# 1007
Delta R.T. -0.009 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

Tgt Ion: 82 Resp: 158938
Ion Ratio Lower Upper
82 100
128 38.9 32.6 48.8
54 66.9 54.7 82.1

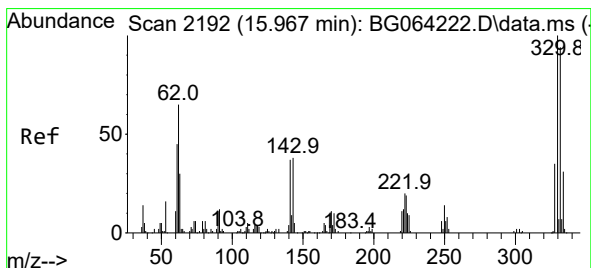
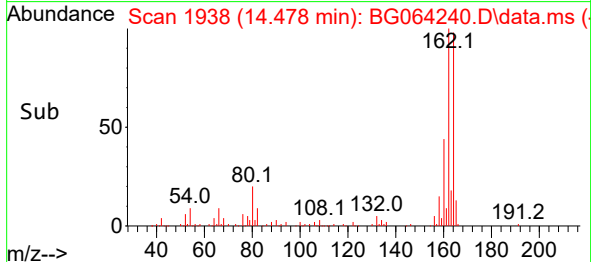
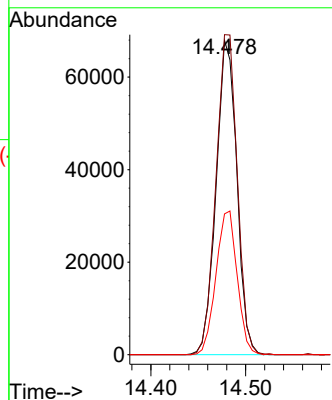
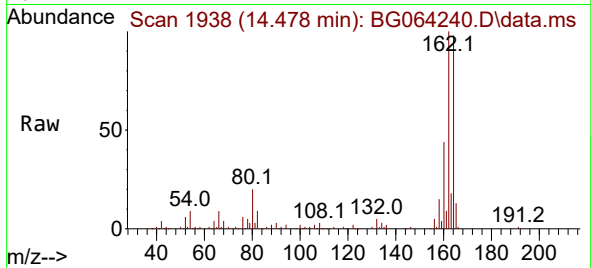




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.478 min Scan# 1938
Delta R.T. -0.003 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

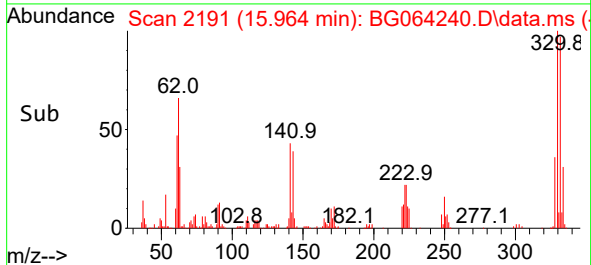
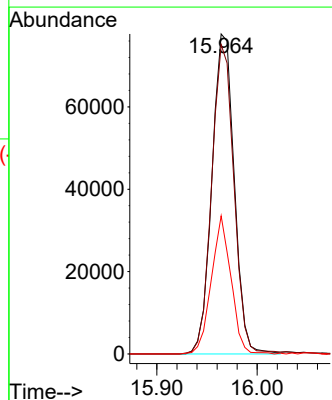
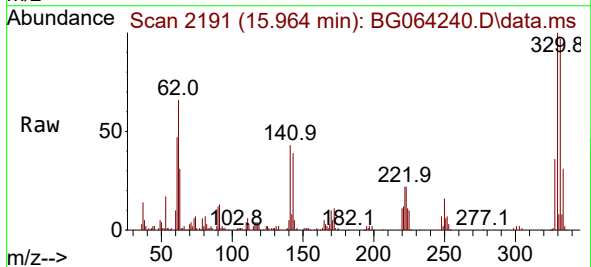
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

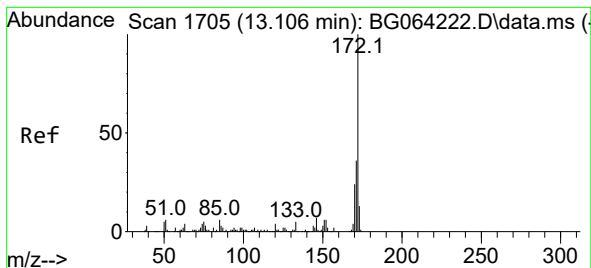
Tgt Ion:164 Resp: 103259
Ion Ratio Lower Upper
164 100
162 101.8 85.4 128.0
160 44.8 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 87.789 ng
RT: 15.964 min Scan# 2191
Delta R.T. -0.009 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

Tgt Ion:330 Resp: 120070
Ion Ratio Lower Upper
330 100
332 97.0 77.6 116.4
141 38.0 29.8 44.6





#45

2-Fluorobiphenyl

Concen: 58.013 ng

RT: 13.103 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064240.D

Acq: 29 Aug 2025 23:26

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

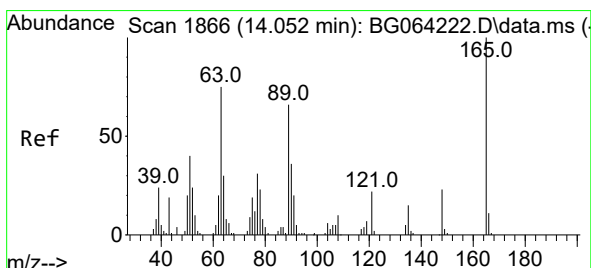
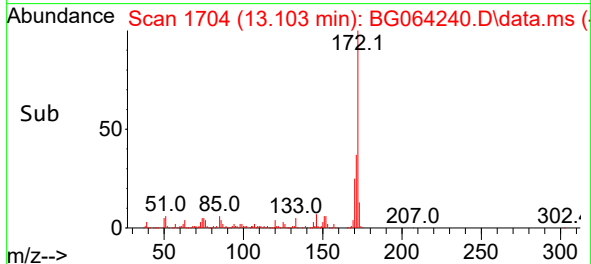
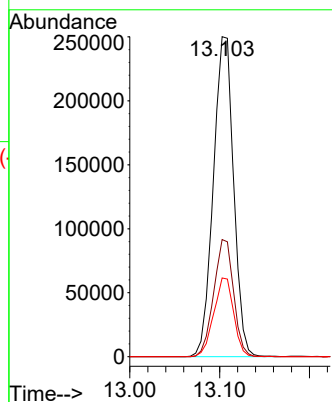
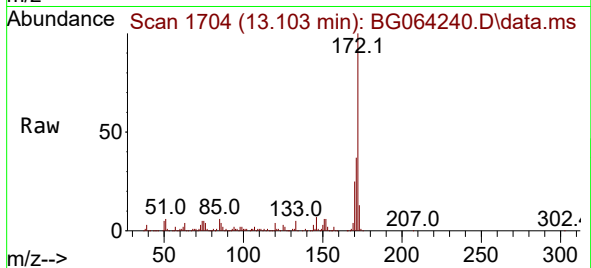
Tgt Ion:172 Resp: 392460

Ion Ratio Lower Upper

172 100

171 36.6 28.7 43.1

170 24.6 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.260 ng

RT: 14.478 min Scan# 1938

Delta R.T. 0.420 min

Lab File: BG064240.D

Acq: 29 Aug 2025 23:26

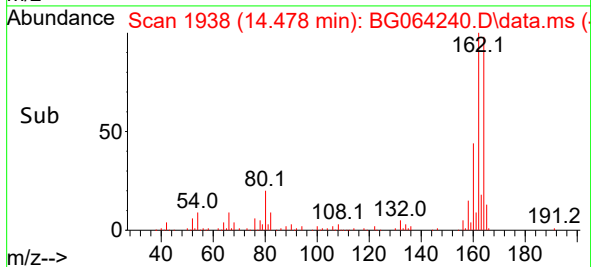
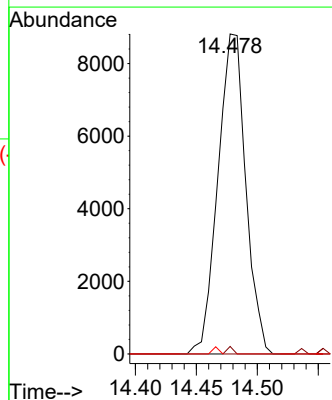
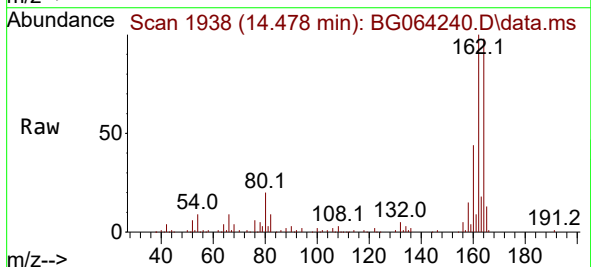
Tgt Ion:165 Resp: 14012

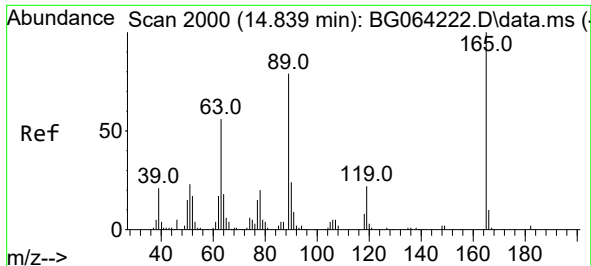
Ion Ratio Lower Upper

165 100

63 2.3 60.3 90.5#

89 0.0 52.9 79.3#





#57

2,4-Dinitrotoluene

Concen: 6.125 ng

RT: 14.478 min Scan# 1938

Delta R.T. -0.367 min

Lab File: BG064240.D

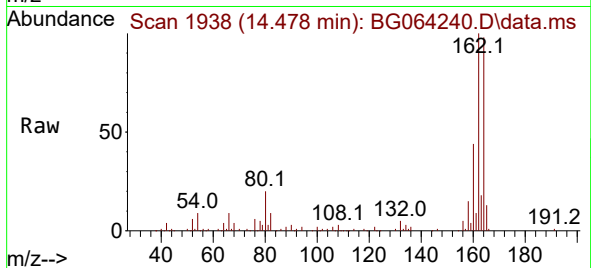
Acq: 29 Aug 2025 23:26

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



Tgt Ion:165 Resp: 14012

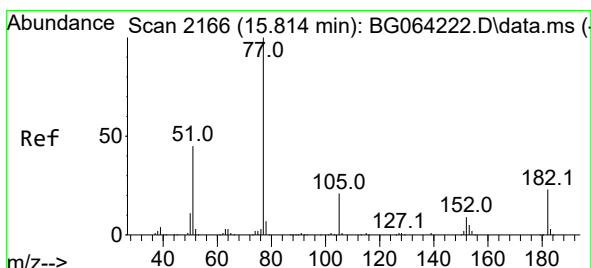
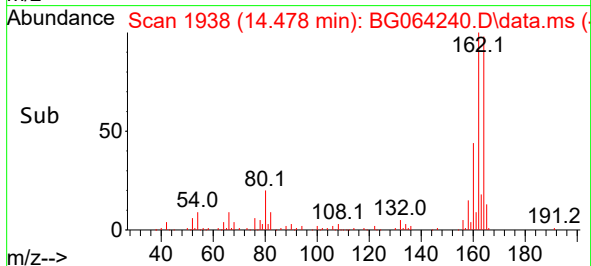
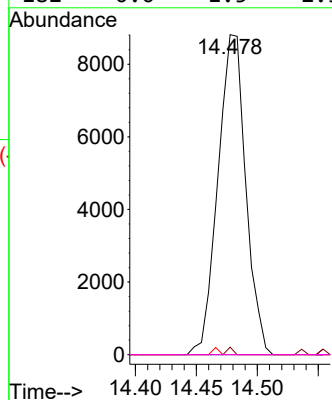
Ion Ratio Lower Upper

165 100

63 2.3 44.6 67.0#

89 0.0 63.0 94.4#

182 0.0 1.5 2.3#



#63

Azobenzene

Concen: 5.847 ng

RT: 15.835 min Scan# 2169

Delta R.T. 0.014 min

Lab File: BG064240.D

Acq: 29 Aug 2025 23:26

Tgt Ion: 77 Resp: 43591

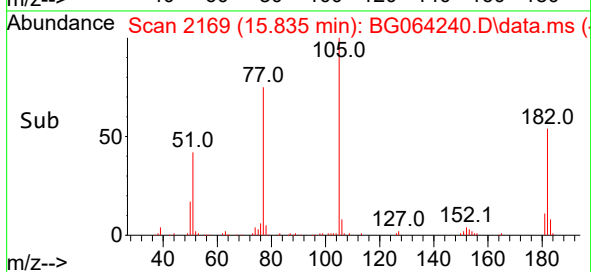
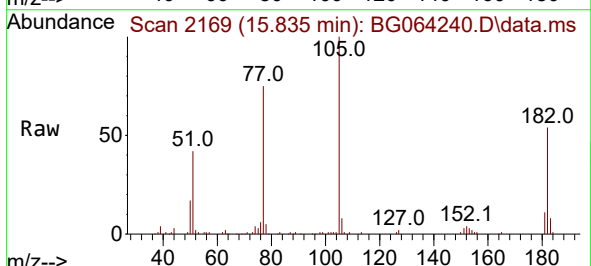
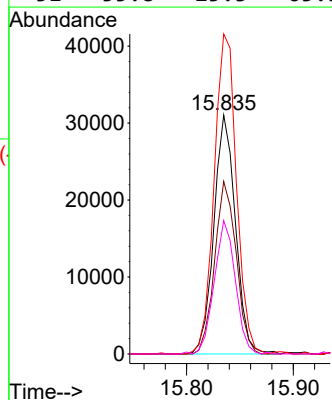
Ion Ratio Lower Upper

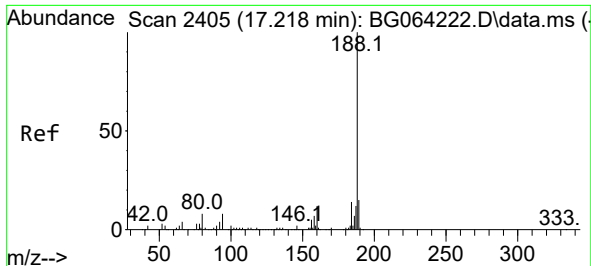
77 100

182 72.2 3.3 43.3#

105 133.9 0.6 40.6#

51 55.8 25.3 65.3

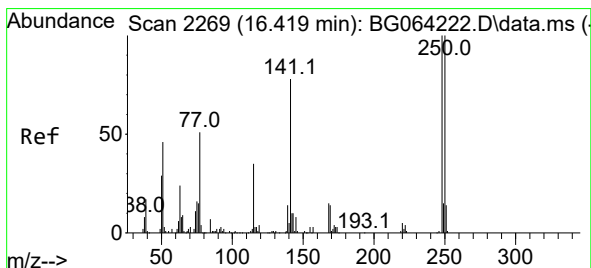
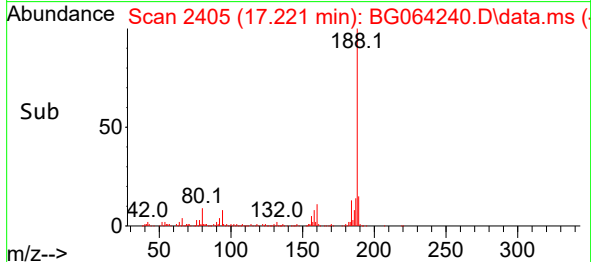
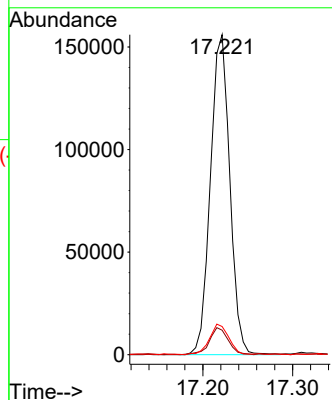
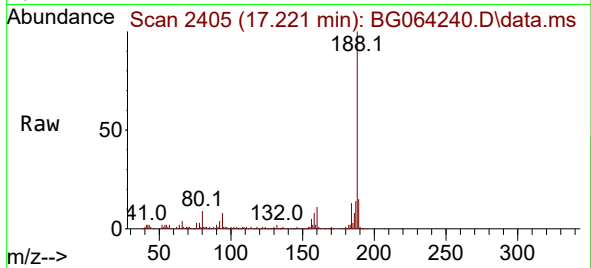




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

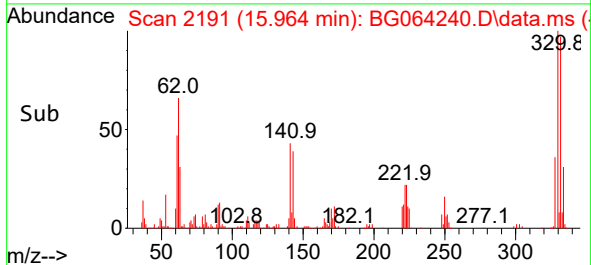
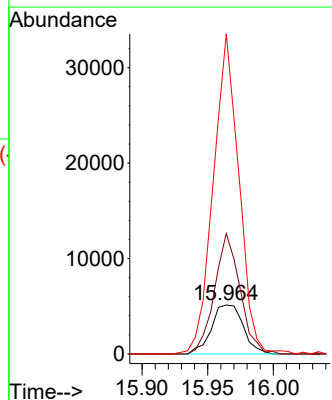
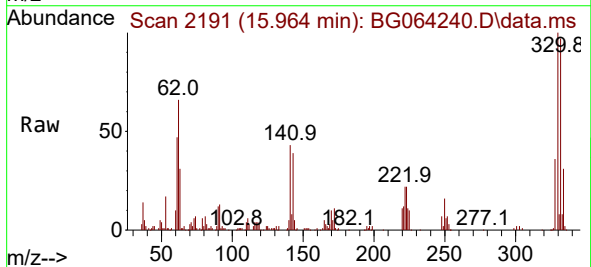
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

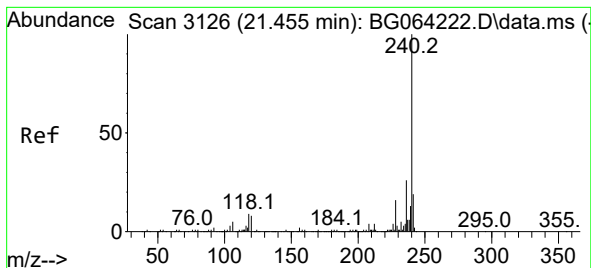
Tgt Ion:188 Resp: 233430
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.4
80 8.8 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 3.484 ng
RT: 15.964 min Scan# 2191
Delta R.T. -0.456 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

Tgt Ion:248 Resp: 8639
Ion Ratio Lower Upper
248 100
250 246.5 80.2 120.4#
141 654.2 62.4 93.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.446 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064240.D

Acq: 29 Aug 2025 23:26

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

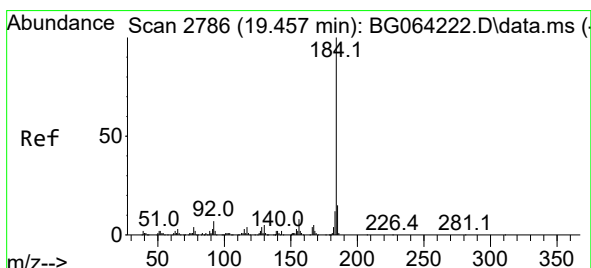
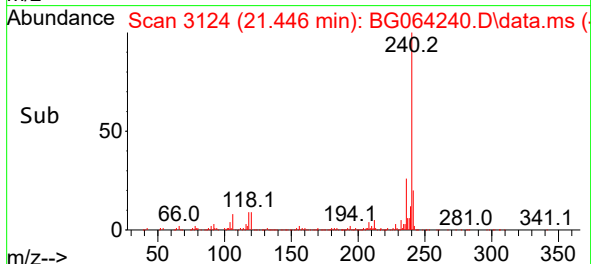
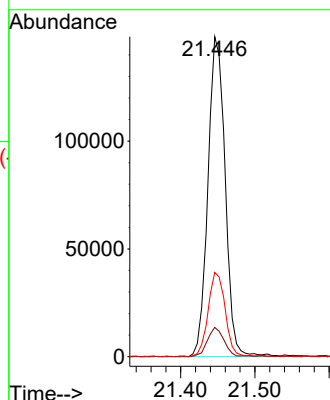
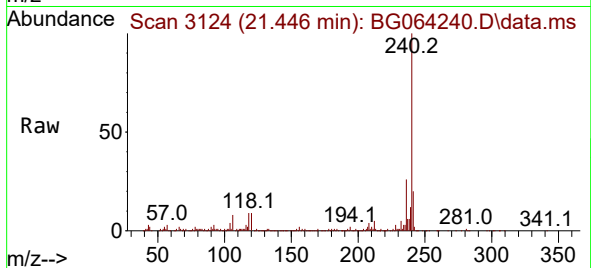
Tgt Ion:240 Resp: 239933

Ion Ratio Lower Upper

240 100

120 9.1 6.2 9.4

236 26.3 20.5 30.7



#77

Benzidine

Concen: 2.654 ng

RT: 19.836 min Scan# 2850

Delta R.T. 0.379 min

Lab File: BG064240.D

Acq: 29 Aug 2025 23:26

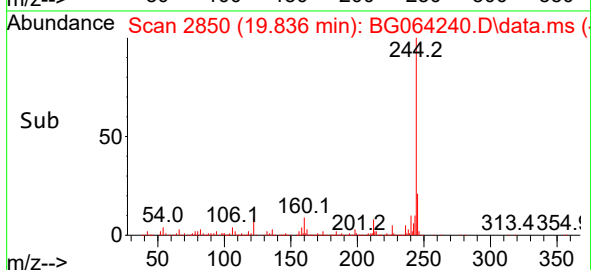
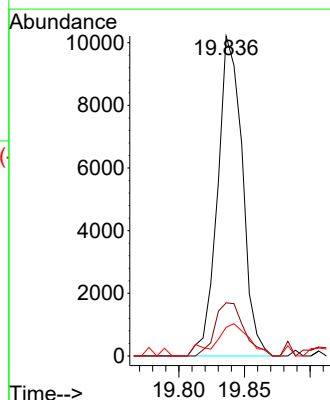
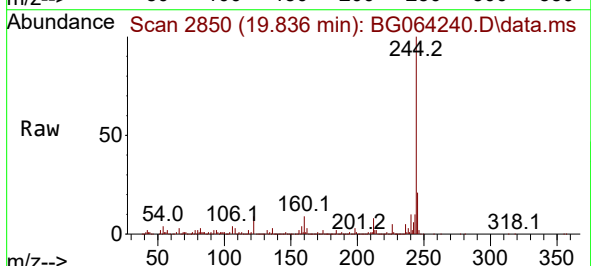
Tgt Ion:184 Resp: 13394

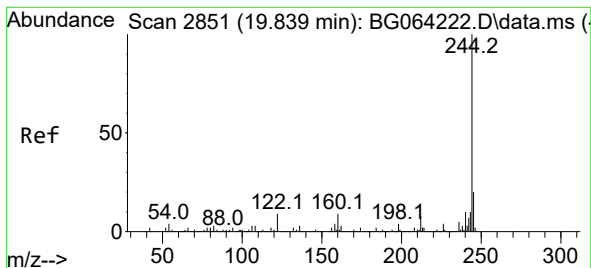
Ion Ratio Lower Upper

184 100

185 16.6 11.7 17.5

183 8.9 9.7 14.5#





#79

Terphenyl-d14

Concen: 60.466 ng

RT: 19.842 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG064240.D

Acq: 29 Aug 2025 23:26

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

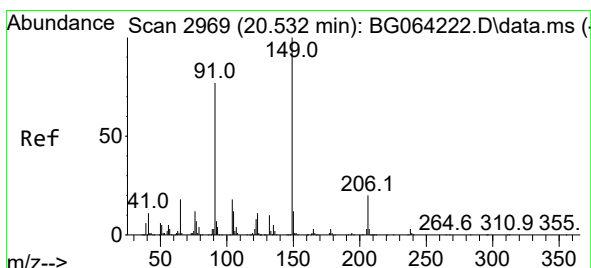
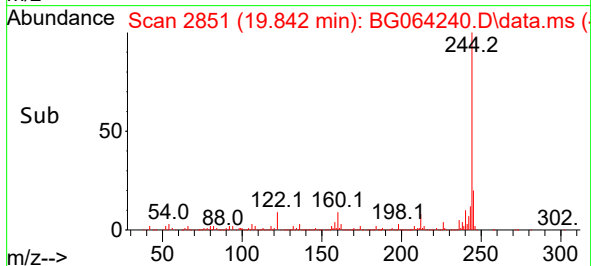
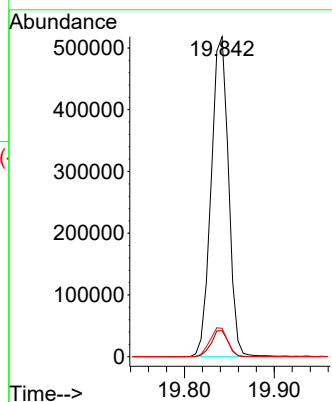
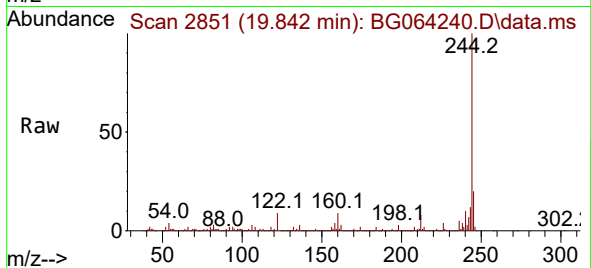
Tgt Ion:244 Resp: 695363

Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

122 8.9 7.0 10.6



#80

Butylbenzylphthalate

Concen: 2.028 ng

RT: 20.529 min Scan# 2968

Delta R.T. -0.003 min

Lab File: BG064240.D

Acq: 29 Aug 2025 23:26

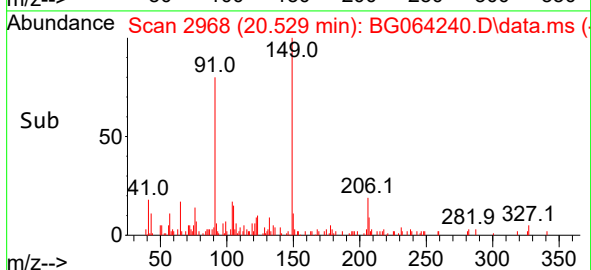
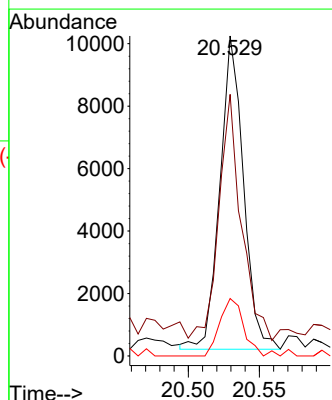
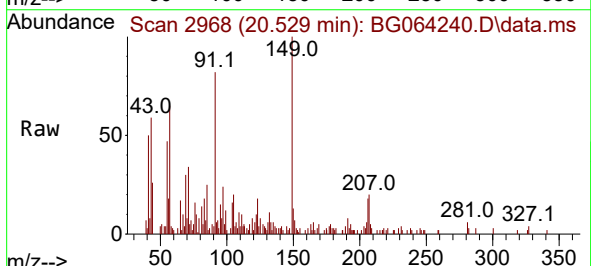
Tgt Ion:149 Resp: 11563

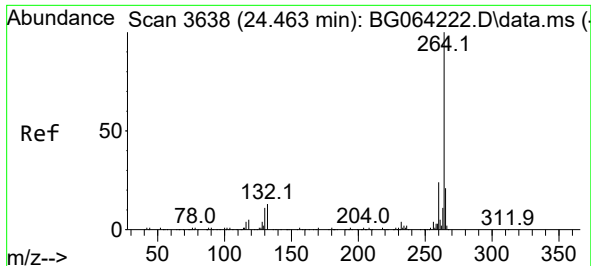
Ion Ratio Lower Upper

149 100

91 81.8 61.4 92.0

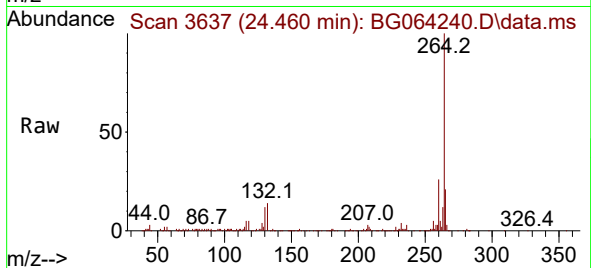
206 17.9 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.460 min Scan# 30
Delta R.T. -0.003 min
Lab File: BG064240.D
Acq: 29 Aug 2025 23:26

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



Tgt Ion:264 Resp: 264828
Ion Ratio Lower Upper
264 100
260 25.5 18.9 28.3
265 20.8 16.7 25.1

