

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064940.D
 Acq On : 11 Dec 2025 18:57
 Operator : RC/JU
 Sample : Q3814-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 22:43:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

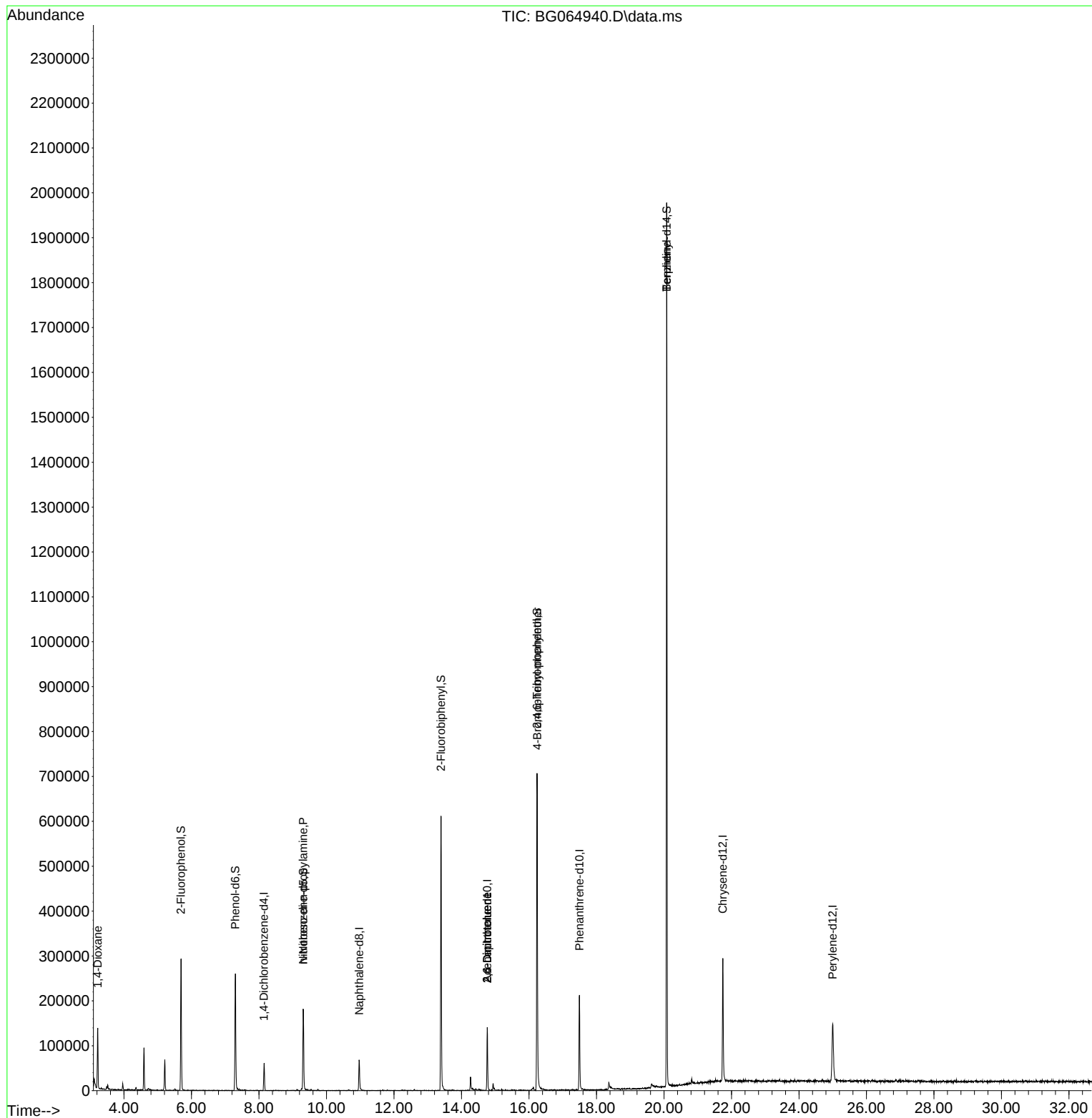
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.148	152	17301	20.000	ng	-0.02
21) Naphthalene-d8	10.968	136	63291	20.000	ng	#-0.02
39) Acenaphthene-d10	14.764	164	57744	20.000	ng	-0.01
64) Phenanthrene-d10	17.496	188	162260	20.000	ng	# 0.00
76) Chrysene-d12	21.744	240	207945	20.000	ng	#-0.01
86) Perylene-d12	24.999	264	167566	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.692	112	117628	118.724	ng	0.00
7) Phenol-d6	7.302	99	138262	104.921	ng	0.00
23) Nitrobenzene-d5	9.311	82	105851	82.691	ng	-0.02
42) 2,4,6-Tribromophenol	16.238	330	196892	174.831	ng	-0.01
45) 2-Fluorobiphenyl	13.395	172	352646	85.214	ng	-0.01
79) Terphenyl-d14	20.081	244	1055142	99.813	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.218	88	1033	2.693	ng	# 1
19) n-Nitroso-di-n-propyla...	9.311	70	15372	17.252	ng	# 65
51) 2,6-Dinitrotoluene	14.764	165	7894	8.994	ng	# 21
57) 2,4-Dinitrotoluene	14.764	165	7894	5.999	ng	# 24
67) 4-Bromophenyl-phenylether	16.244	248	11801	5.538	ng	# 1
77) Benzidine	20.081	184	14654	2.353	ng	# 92

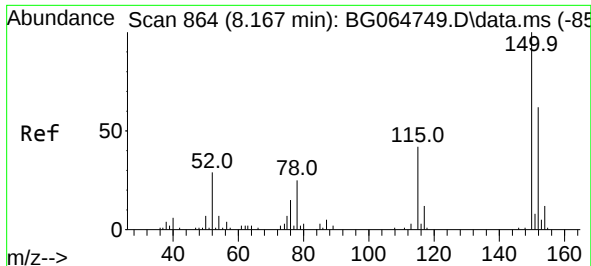
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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BNA_G
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

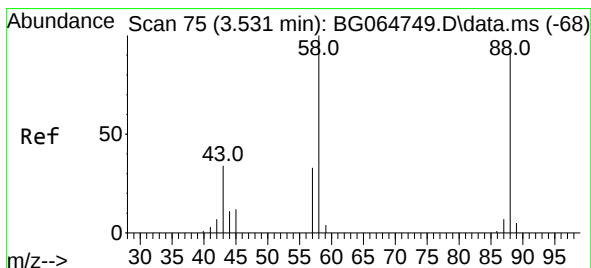
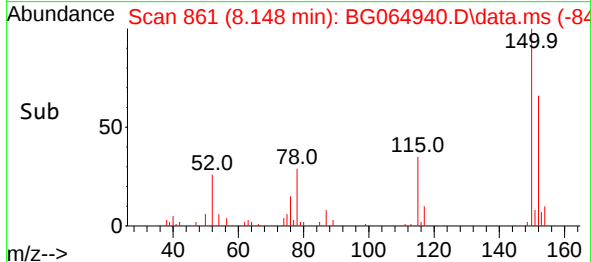
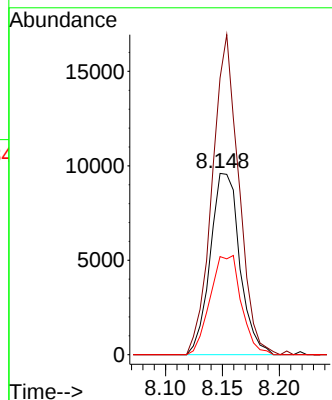
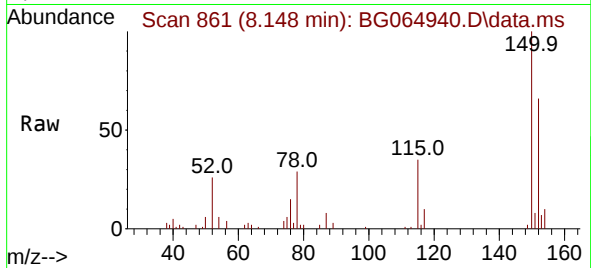




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.148 min Scan# 80
 Delta R.T. -0.019 min
 Lab File: BG064940.D
 Acq: 11 Dec 2025 18:57

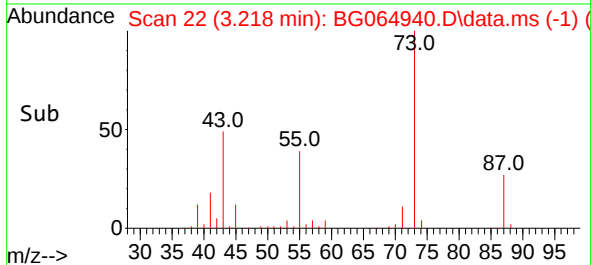
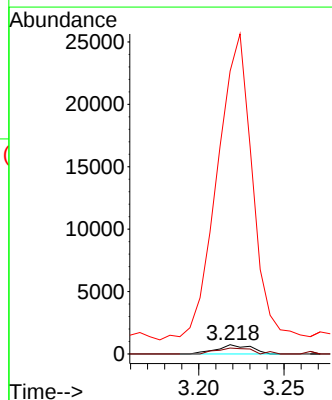
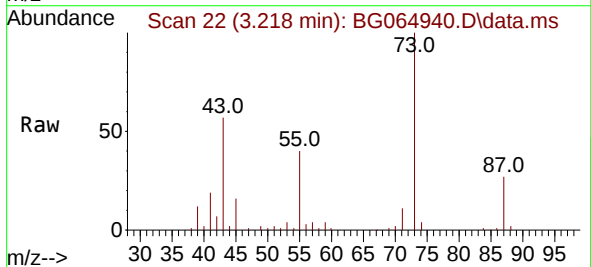
Instrument :
 BNA_G
 ClientSampleId :

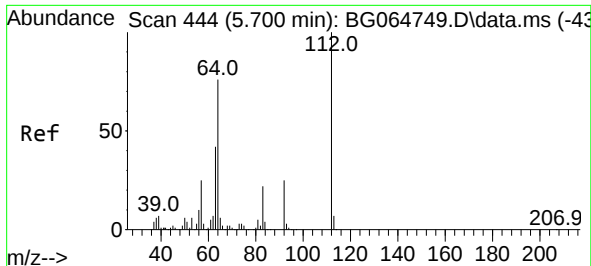
Tgt Ion:152 Resp: 17301
 Ion Ratio Lower Upper
 152 100
 150 152.6 129.2 193.8
 115 54.1 53.7 80.5



#2
 1,4-Dioxane
 Concen: 2.693 ng
 RT: 3.218 min Scan# 22
 Delta R.T. -0.313 min
 Lab File: BG064940.D
 Acq: 11 Dec 2025 18:57

Tgt Ion: 88 Resp: 1033
 Ion Ratio Lower Upper
 88 100
 58 68.8 84.6 126.8#
 43 3457.2 30.0 45.0#

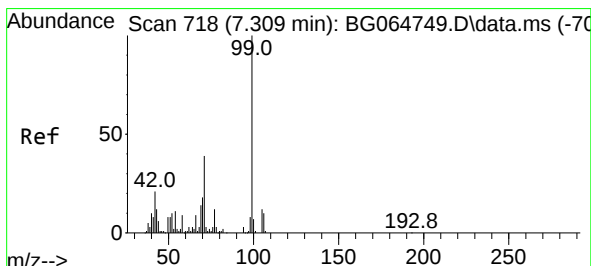
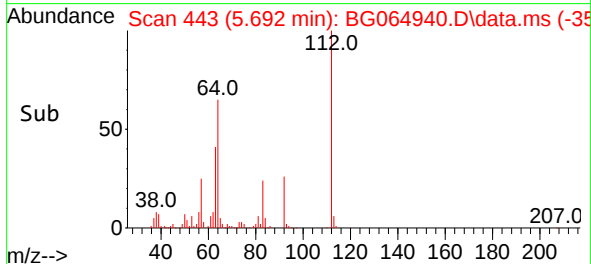
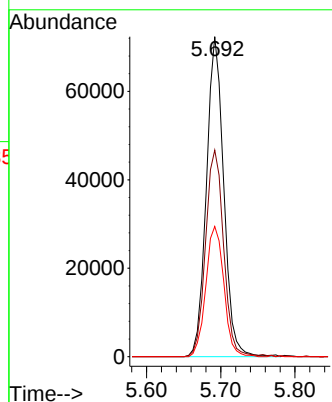
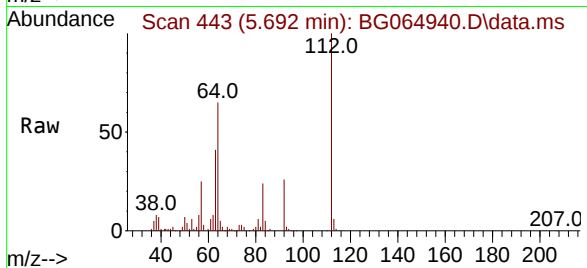




#5
2-Fluorophenol
Concen: 118.724 ng
RT: 5.692 min Scan# 444
Delta R.T. -0.008 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

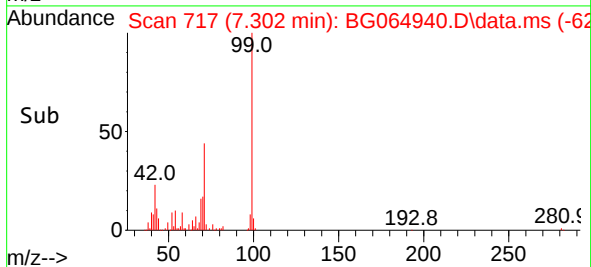
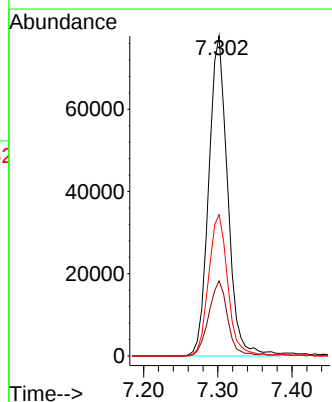
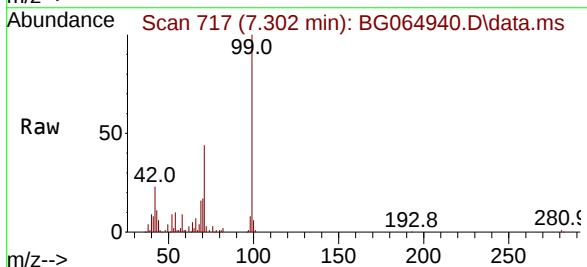
Instrument :
BNA_G
ClientSampleId :

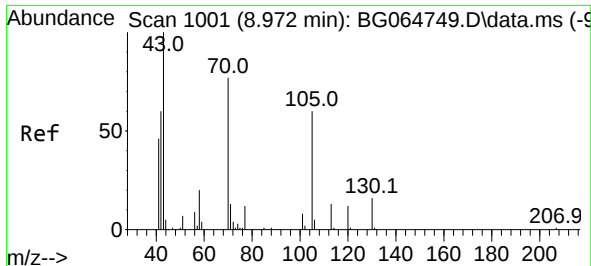
Tgt Ion:112 Resp: 117628
Ion Ratio Lower Upper
112 100
64 64.5 61.0 91.4
63 40.7 33.3 49.9



#7
Phenol-d6
Concen: 104.921 ng
RT: 7.302 min Scan# 717
Delta R.T. -0.008 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

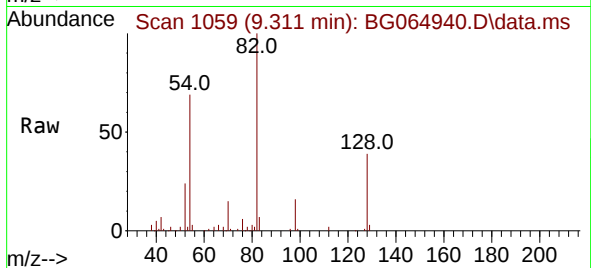
Tgt Ion: 99 Resp: 138262
Ion Ratio Lower Upper
99 100
42 23.5 16.8 25.2
71 44.1 31.1 46.7



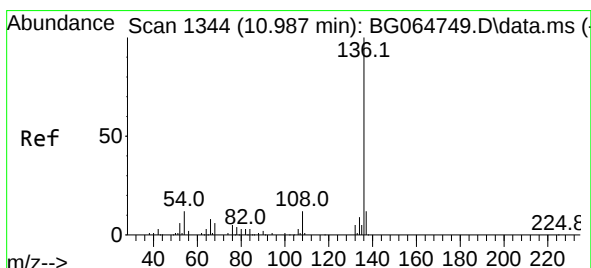
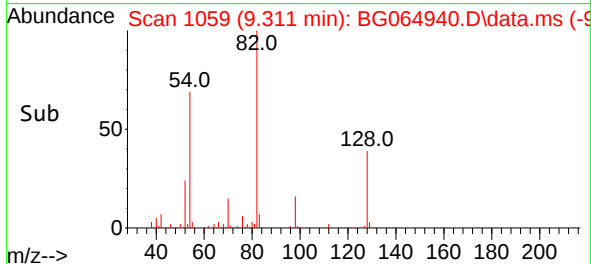
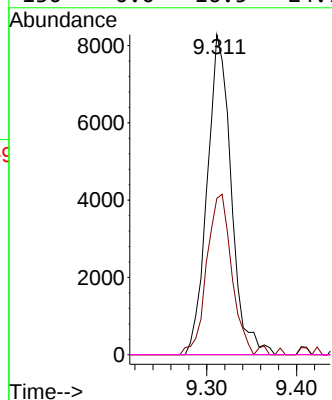


#19
n-Nitroso-di-n-propylamine
Concen: 17.252 ng
RT: 9.311 min Scan# 1059
Delta R.T. 0.339 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

Instrument :
BNA_G
ClientSampleId :

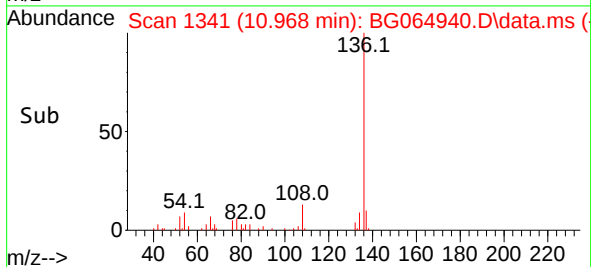
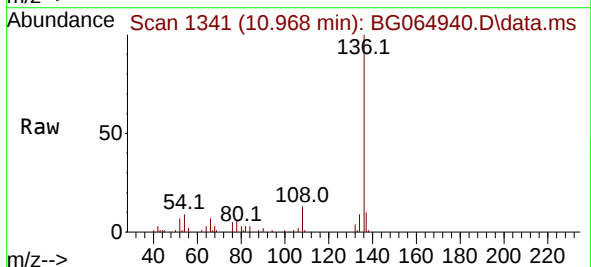
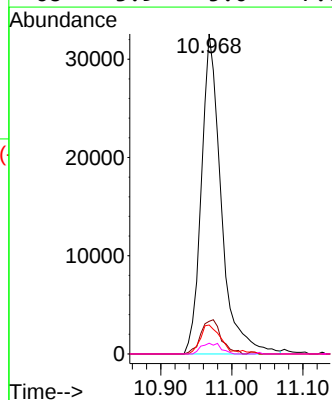


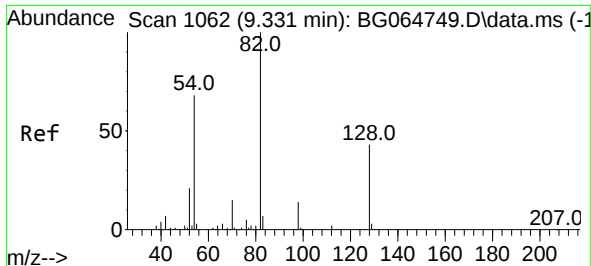
Tgt Ion: 70 Resp: 15372
Ion Ratio Lower Upper
70 100
42 48.9 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.968 min Scan# 1341
Delta R.T. -0.019 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

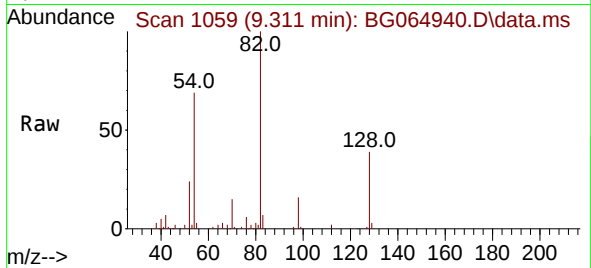
Tgt Ion: 136 Resp: 63291
Ion Ratio Lower Upper
136 100
137 10.2 9.3 13.9
54 9.1 9.3 13.9#
68 3.9 5.0 7.6#



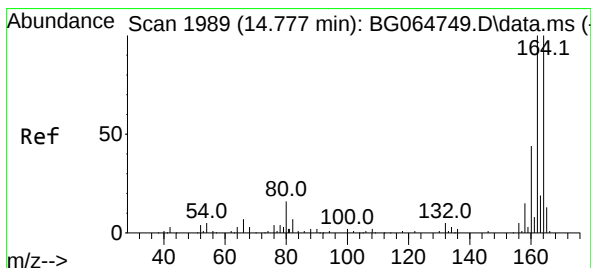
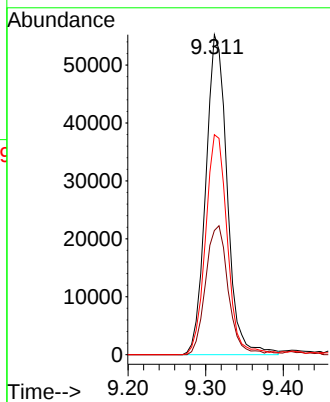
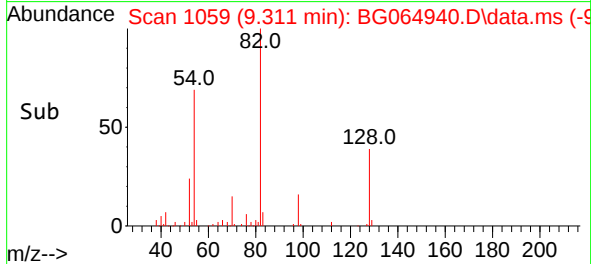


#23
Nitrobenzene-d5
Concen: 82.691 ng
RT: 9.311 min Scan# 1059
Delta R.T. -0.019 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

Instrument :
BNA_G
ClientSampleId :

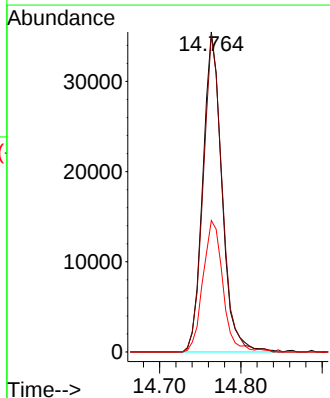
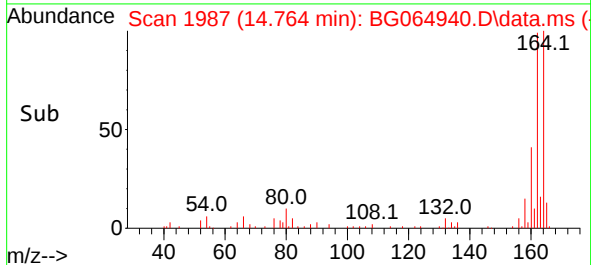
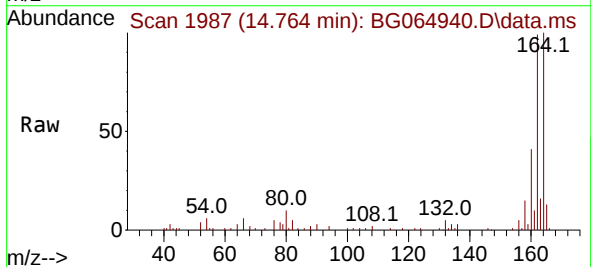


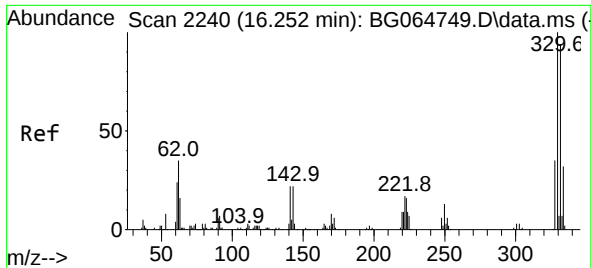
Tgt Ion: 82 Resp: 105851
Ion Ratio Lower Upper
82 100
128 38.8 34.1 51.1
54 68.8 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.764 min Scan# 1987
Delta R.T. -0.014 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

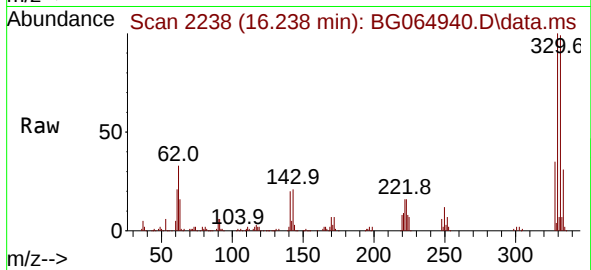
Tgt Ion: 164 Resp: 57744
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.6
160 41.0 34.9 52.3



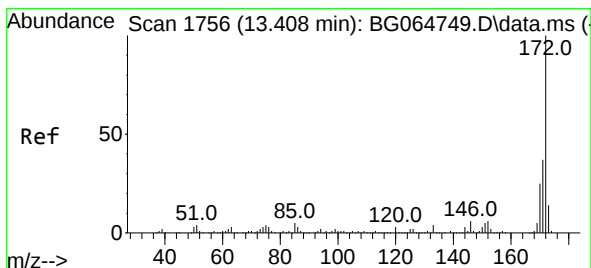
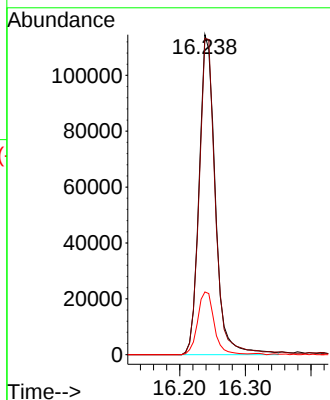
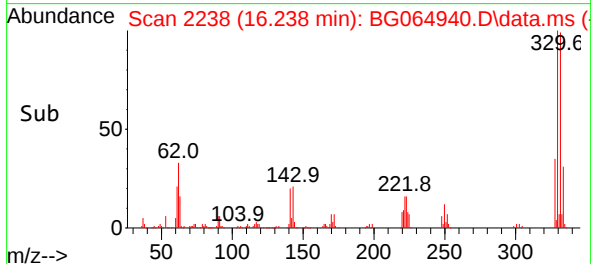


#42
2,4,6-Tribromophenol
Concen: 174.831 ng
RT: 16.238 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

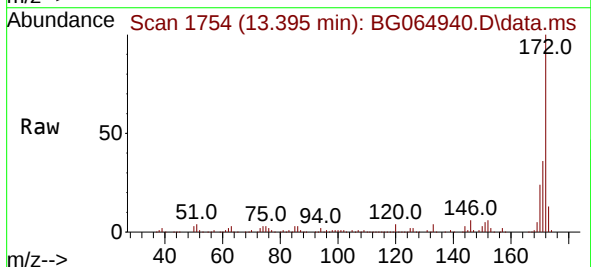
Instrument :
BNA_G
ClientSampleId :



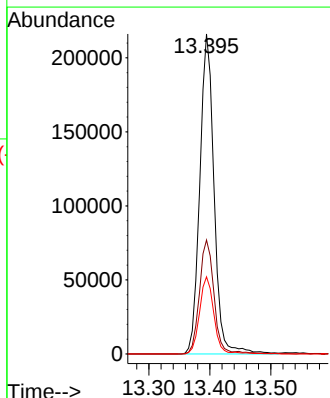
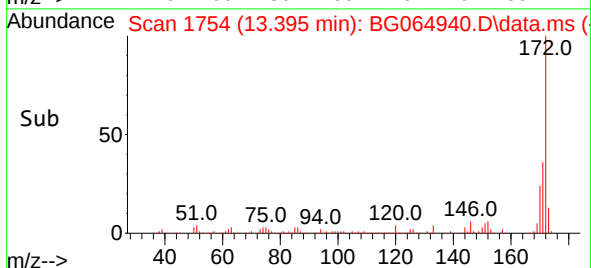
Tgt Ion:330 Resp: 196892
Ion Ratio Lower Upper
330 100
332 99.5 77.0 115.6
141 20.1 18.2 27.2

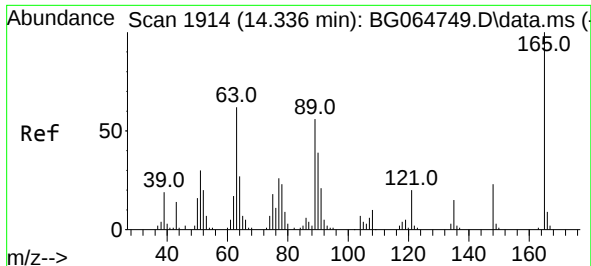


#45
2-Fluorobiphenyl
Concen: 85.214 ng
RT: 13.395 min Scan# 1754
Delta R.T. -0.014 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57



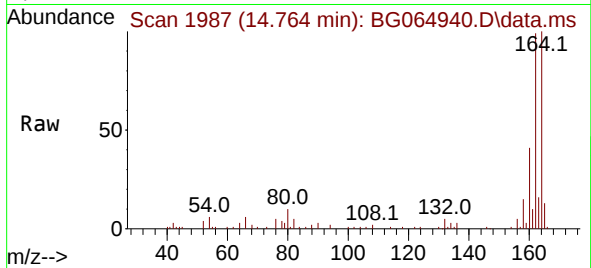
Tgt Ion:172 Resp: 352646
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 24.1 19.8 29.6



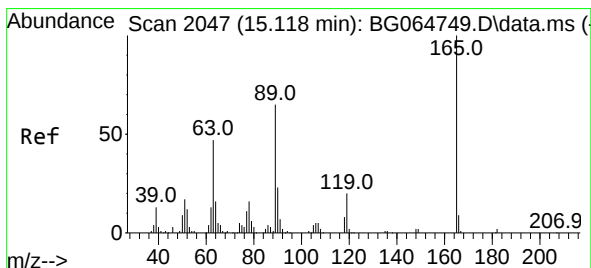
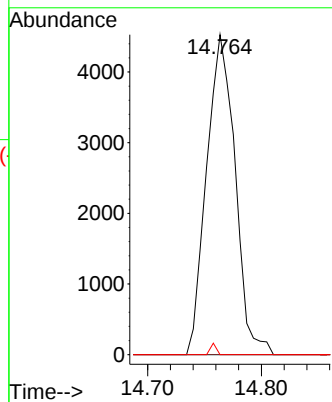
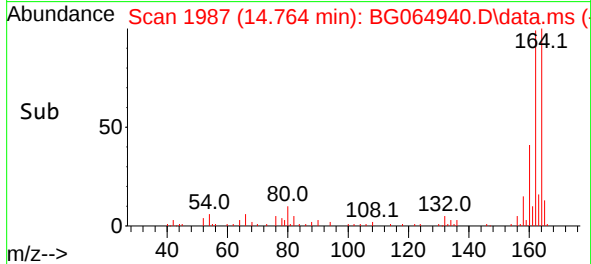


#51
2,6-Dinitrotoluene
Concen: 8.994 ng
RT: 14.764 min Scan# 1914
Delta R.T. 0.427 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

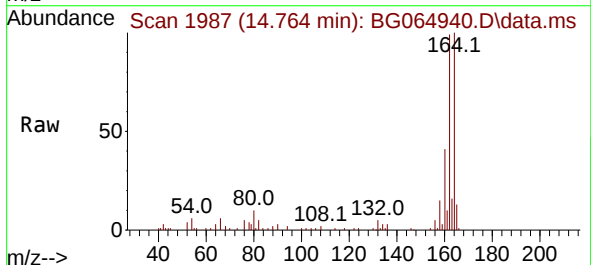
Instrument :
BNA_G
ClientSampleId :



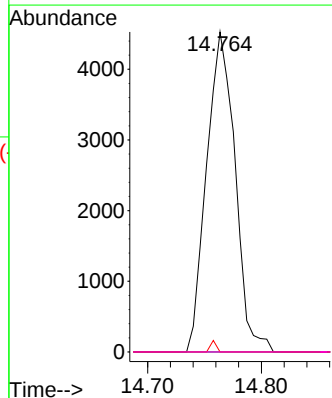
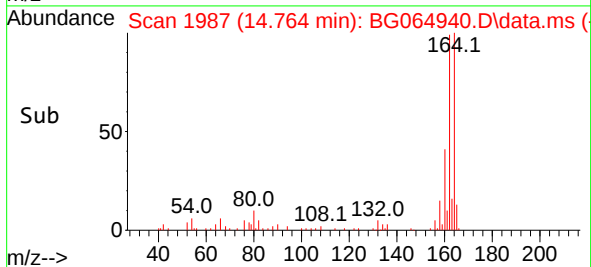
Tgt Ion:165 Resp: 7894
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

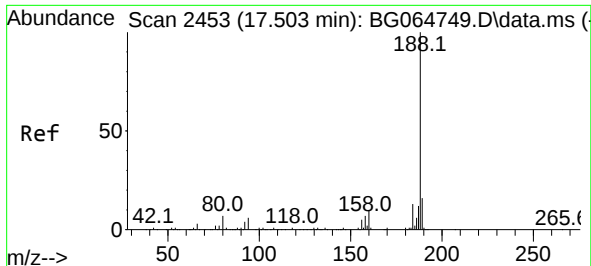


#57
2,4-Dinitrotoluene
Concen: 5.999 ng
RT: 14.764 min Scan# 1987
Delta R.T. -0.354 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57



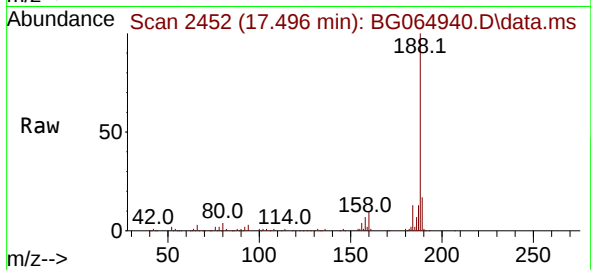
Tgt Ion:165 Resp: 7894
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#



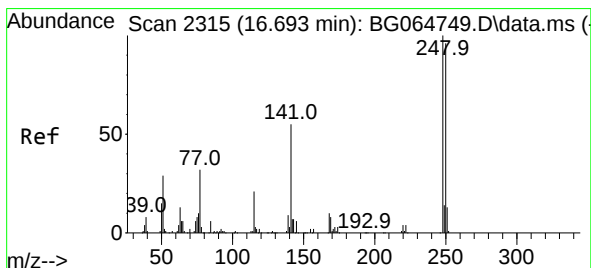
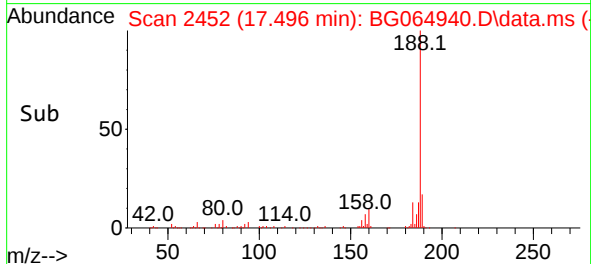
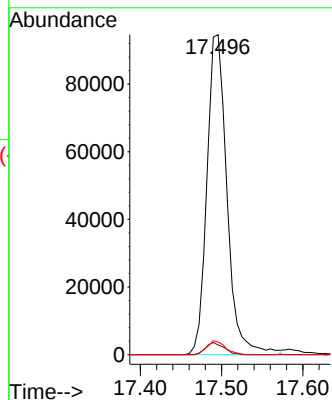


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.496 min Scan# 2453
Delta R.T. -0.008 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

Instrument :
BNA_G
ClientSampleId :

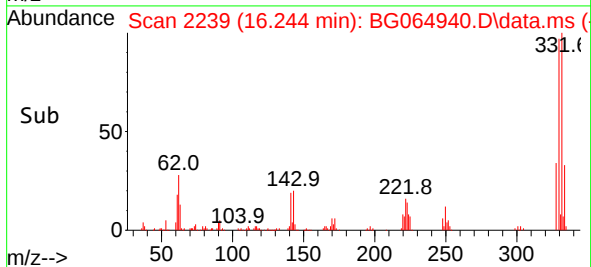
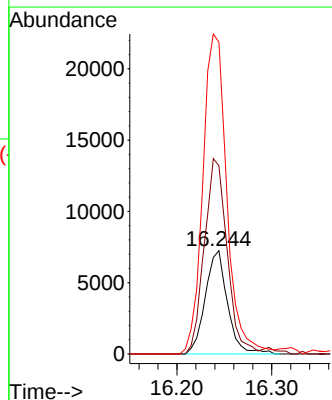
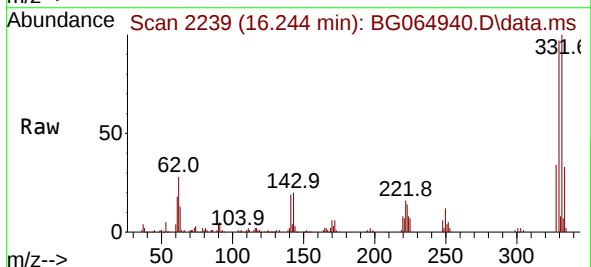


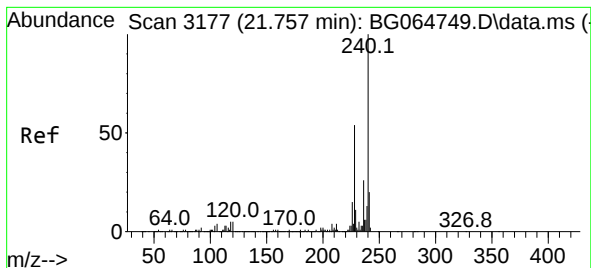
Tgt Ion:188 Resp: 162260
Ion Ratio Lower Upper
188 100
94 3.0 4.7 7.1#
80 4.0 5.4 8.2#



#67
4-Bromophenyl-phenylether
Concen: 5.538 ng
RT: 16.244 min Scan# 2239
Delta R.T. -0.448 min
Lab File: BG064940.D
Acq: 11 Dec 2025 18:57

Tgt Ion:248 Resp: 11801
Ion Ratio Lower Upper
248 100
250 144.0 77.0 115.6#
141 238.6 43.7 65.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.744 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG064940.D

Acq: 11 Dec 2025 18:57

Instrument :

BNA_G

ClientSampleId :

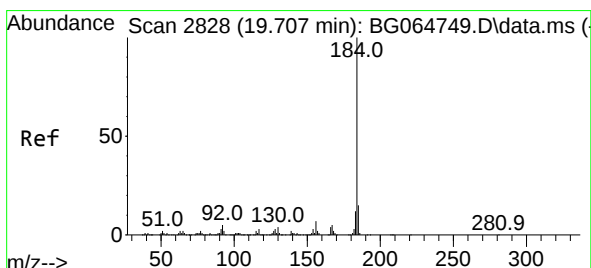
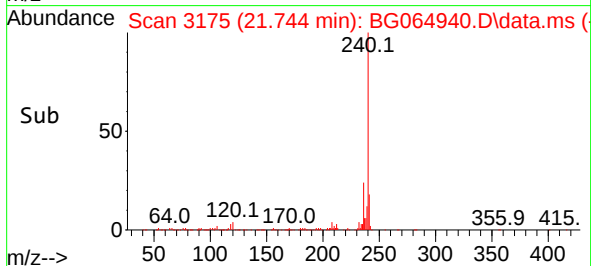
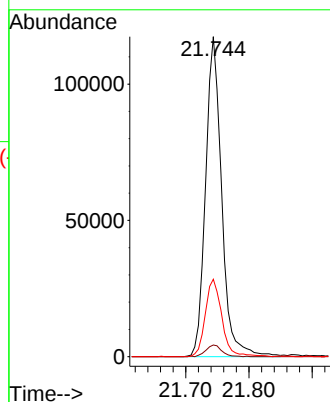
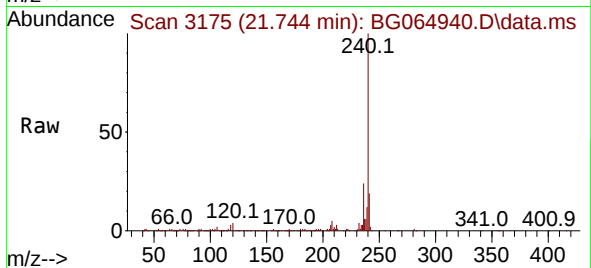
Tgt Ion:240 Resp: 207945

Ion Ratio Lower Upper

240 100

120 3.6 4.2 6.4#

236 24.2 20.8 31.2



#77

Benzidine

Concen: 2.353 ng

RT: 20.081 min Scan# 2892

Delta R.T. 0.374 min

Lab File: BG064940.D

Acq: 11 Dec 2025 18:57

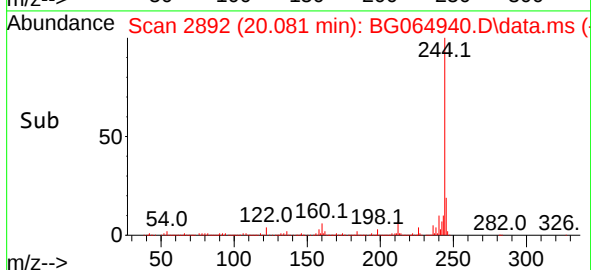
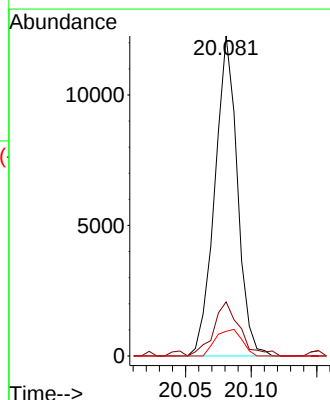
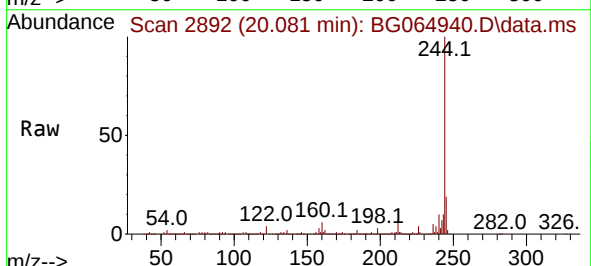
Tgt Ion:184 Resp: 14654

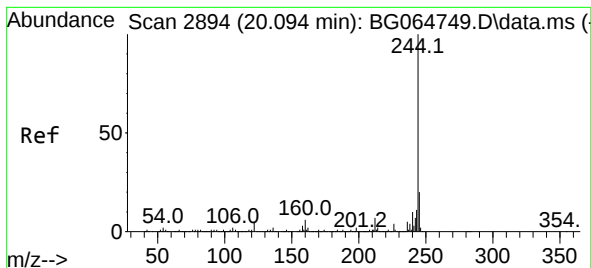
Ion Ratio Lower Upper

184 100

185 16.9 11.8 17.6

183 7.7 9.8 14.6#





#79

Terphenyl-d14

Concen: 99.813 ng

RT: 20.081 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG064940.D

Acq: 11 Dec 2025 18:57

Instrument :

BNA_G

ClientSampleId :

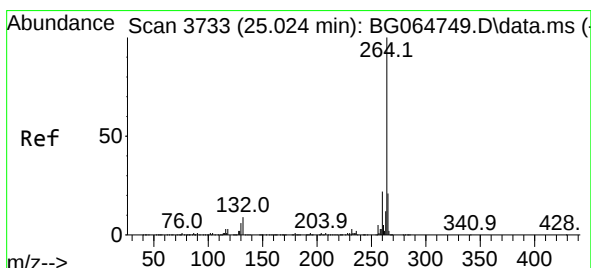
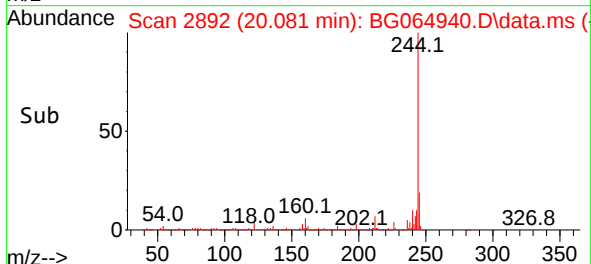
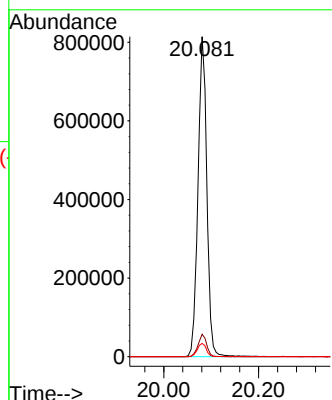
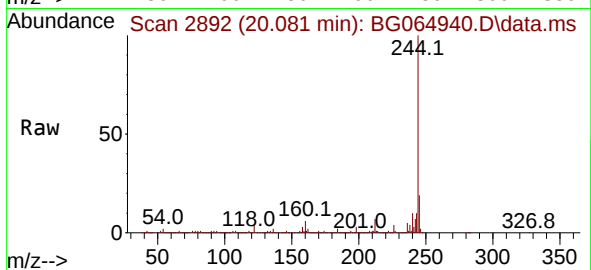
Tgt Ion:244 Resp: 1055142

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 4.2 4.3 6.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.999 min Scan# 3729

Delta R.T. -0.025 min

Lab File: BG064940.D

Acq: 11 Dec 2025 18:57

Tgt Ion:264 Resp: 167566

Ion Ratio Lower Upper

264 100

260 24.3 17.2 25.8

265 21.5 16.6 25.0

