

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064941.D
 Acq On : 11 Dec 2025 19:37
 Operator : RC/JU
 Sample : Q3814-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Quant Time: Dec 11 22:43:23 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)

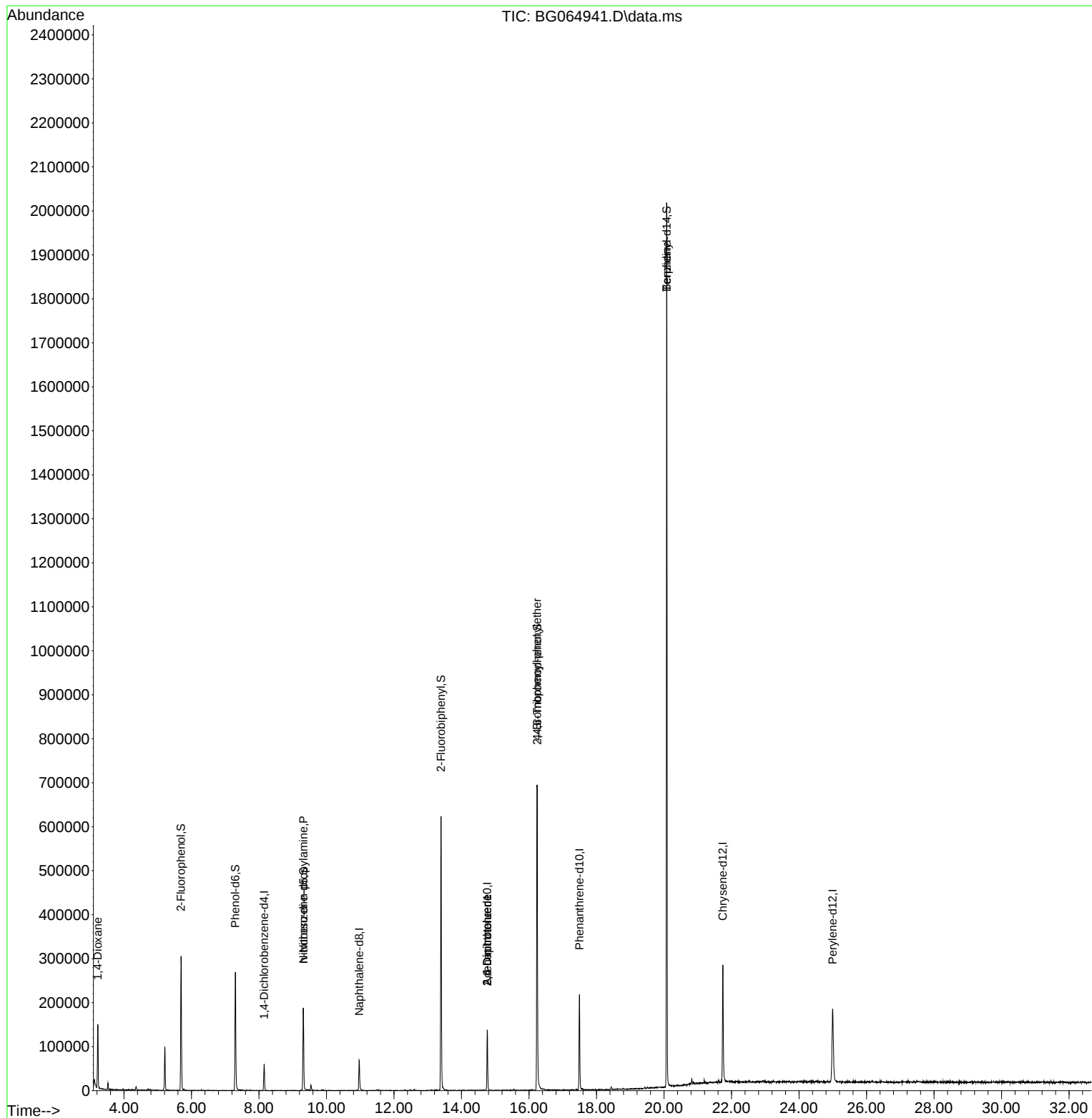
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	17463	20.000	ng	-0.01
21) Naphthalene-d8	10.967	136	64853	20.000	ng	#-0.02
39) Acenaphthene-d10	14.763	164	57032	20.000	ng	-0.01
64) Phenanthrene-d10	17.495	188	154146	20.000	ng	# 0.00
76) Chrysene-d12	21.743	240	205882	20.000	ng	#-0.01
86) Perylene-d12	24.998	264	219161	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	122319	122.313	ng	0.00
7) Phenol-d6	7.301	99	143209	107.667	ng	0.00
23) Nitrobenzene-d5	9.316	82	106659	81.315	ng	-0.01
42) 2,4,6-Tribromophenol	16.243	330	199470	179.331	ng	0.00
45) 2-Fluorobiphenyl	13.394	172	354765	86.797	ng	-0.01
79) Terphenyl-d14	20.080	244	1091323	104.270	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.223	88	1058	2.733	ng	# 1
19) n-Nitroso-di-n-propyla...	9.316	70	15322	17.037	ng	# 62
51) 2,6-Dinitrotoluene	14.763	165	7565	8.726	ng	# 21
57) 2,4-Dinitrotoluene	14.763	165	7565	5.821	ng	# 24
67) 4-Bromophenyl-phenylether	16.237	248	11539	5.700	ng	# 1
77) Benzidine	20.080	184	15823	2.566	ng	# 90

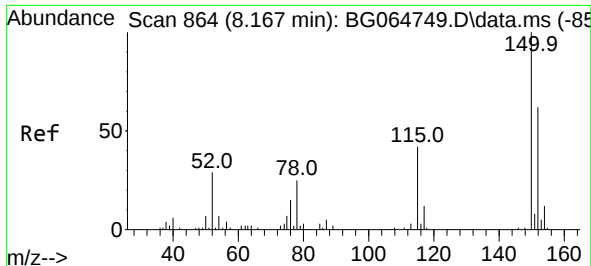
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
Data File : BG064941.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Time: Dec 11 22:43:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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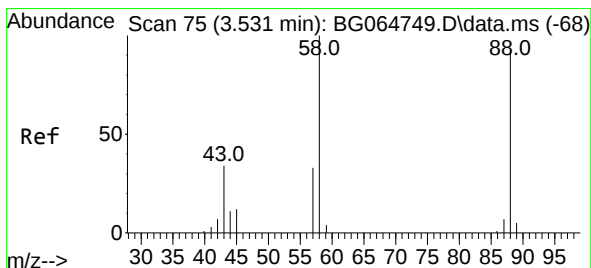
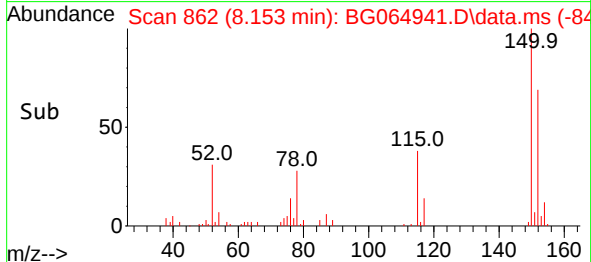
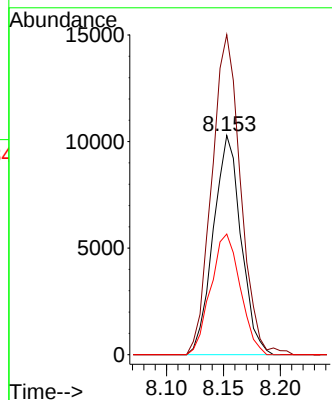
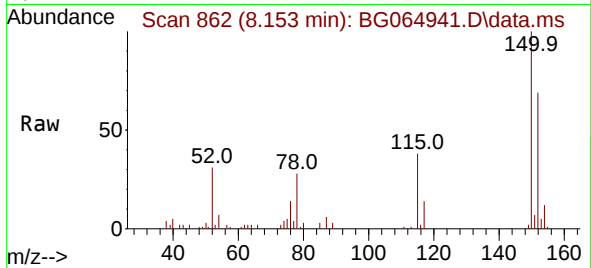




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.153 min Scan# 80
 Delta R.T. -0.014 min
 Lab File: BG064941.D
 Acq: 11 Dec 2025 19:37

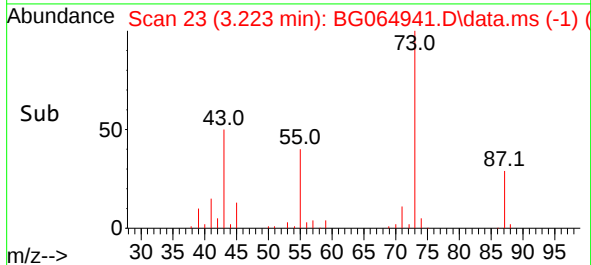
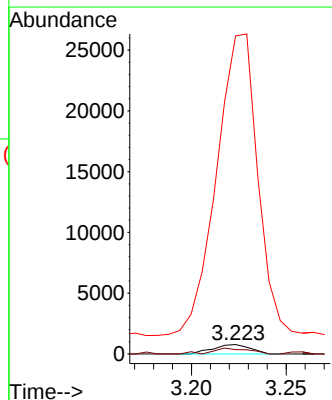
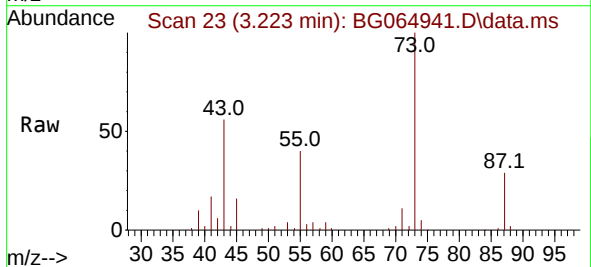
Instrument :
 BNA_G
 ClientSampleId :
 TP-8

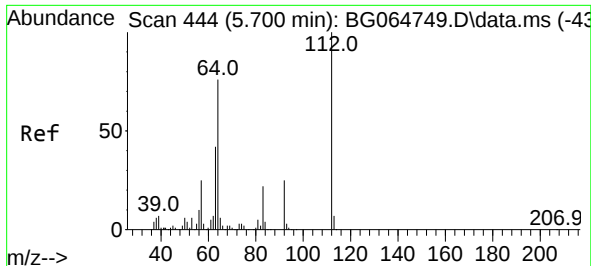
Tgt Ion:152 Resp: 17463
 Ion Ratio Lower Upper
 152 100
 150 145.9 129.2 193.8
 115 55.0 53.7 80.5



#2
 1,4-Dioxane
 Concen: 2.733 ng
 RT: 3.223 min Scan# 23
 Delta R.T. -0.308 min
 Lab File: BG064941.D
 Acq: 11 Dec 2025 19:37

Tgt Ion: 88 Resp: 1058
 Ion Ratio Lower Upper
 88 100
 58 61.4 84.6 126.8#
 43 3555.3 30.0 45.0#

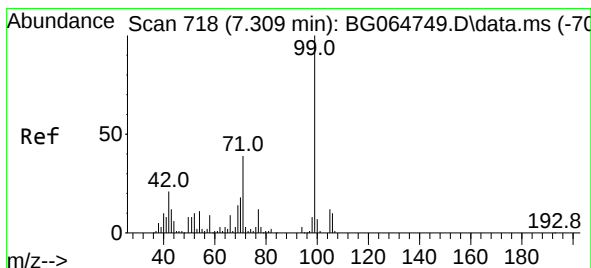
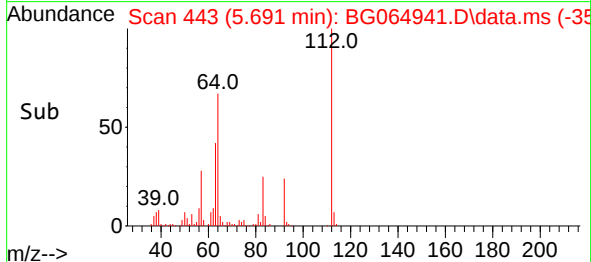
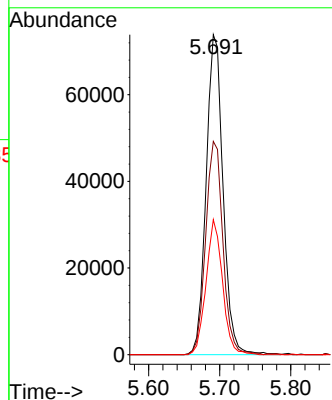
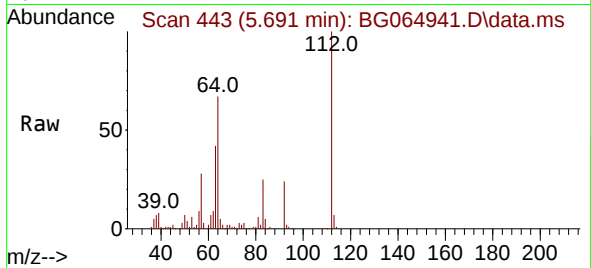




#5
2-Fluorophenol
Concen: 122.313 ng
RT: 5.691 min Scan# 444
Delta R.T. -0.009 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

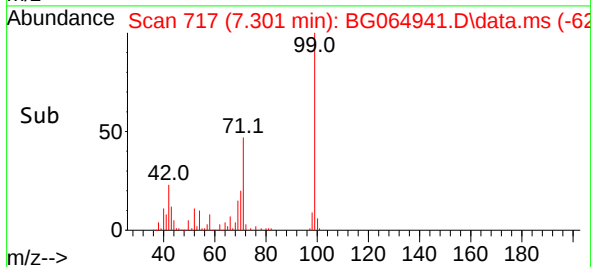
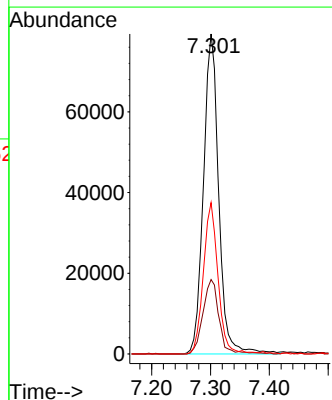
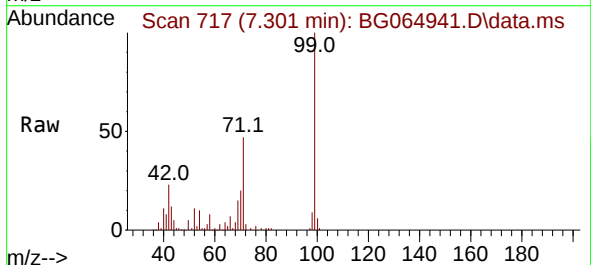
Instrument :
BNA_G
ClientSampleId :
TP-8

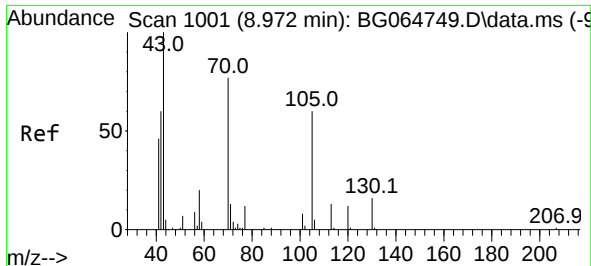
Tgt Ion:112 Resp: 122319
Ion Ratio Lower Upper
112 100
64 66.7 61.0 91.4
63 42.2 33.3 49.9



#7
Phenol-d6
Concen: 107.667 ng
RT: 7.301 min Scan# 717
Delta R.T. -0.009 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

Tgt Ion: 99 Resp: 143209
Ion Ratio Lower Upper
99 100
42 23.3 16.8 25.2
71 47.3 31.1 46.7#

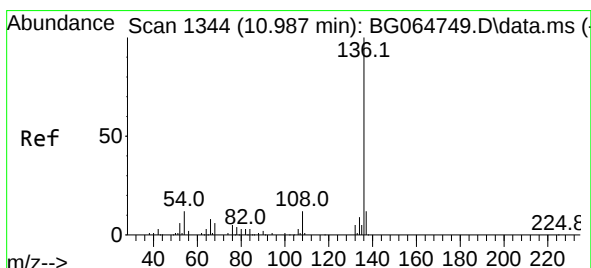
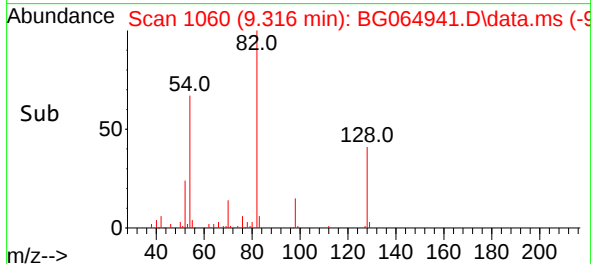
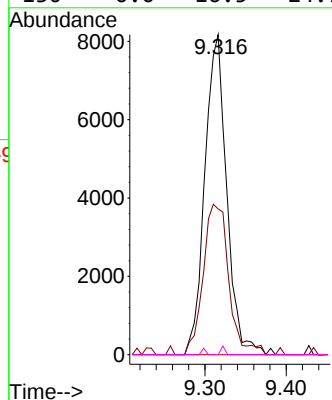
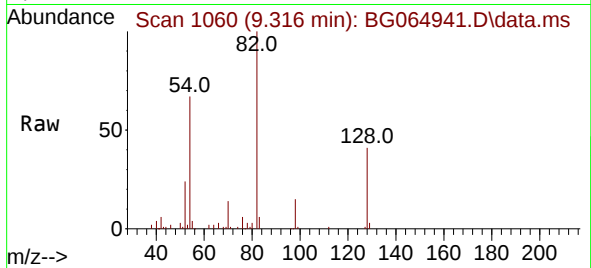




#19
n-Nitroso-di-n-propylamine
Concen: 17.037 ng
RT: 9.316 min Scan# 1060
Delta R.T. 0.344 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

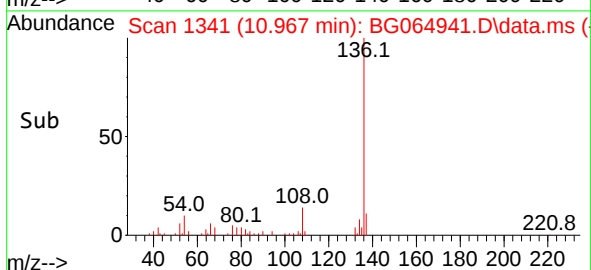
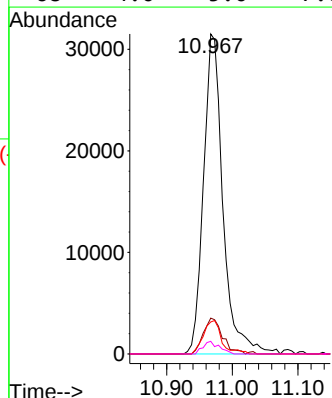
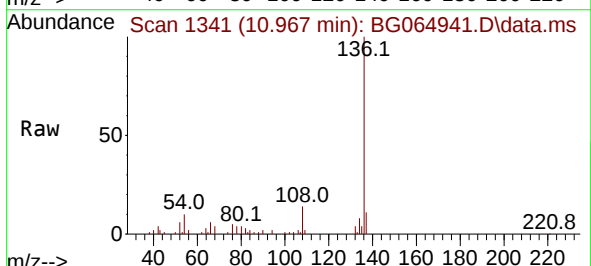
Instrument :
BNA_G
ClientSampleId :
TP-8

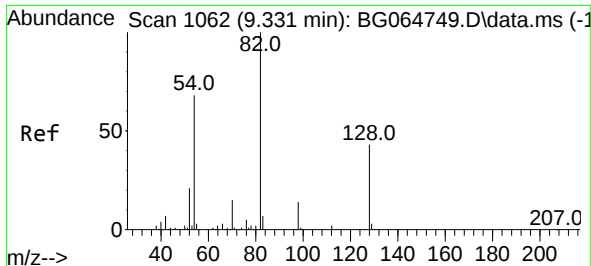
Tgt Ion: 70 Resp: 15322
Ion Ratio Lower Upper
70 100
42 45.6 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1341
Delta R.T. -0.020 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

Tgt Ion:136 Resp: 64853
Ion Ratio Lower Upper
136 100
137 11.2 9.3 13.9
54 10.0 9.3 13.9
68 4.0 5.0 7.6#

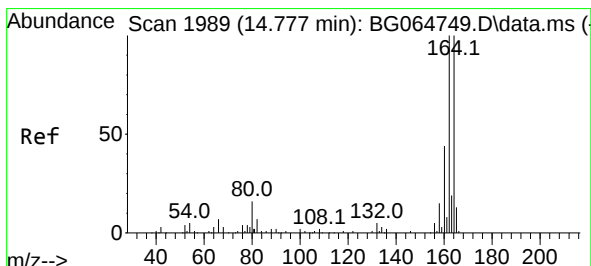
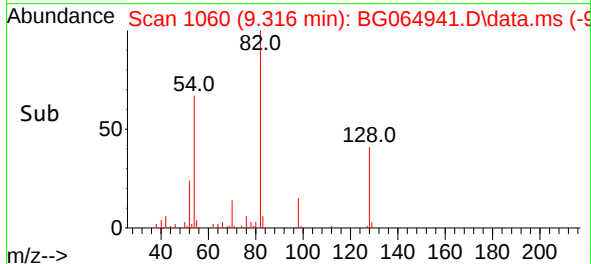
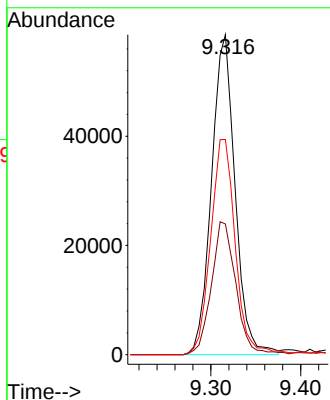
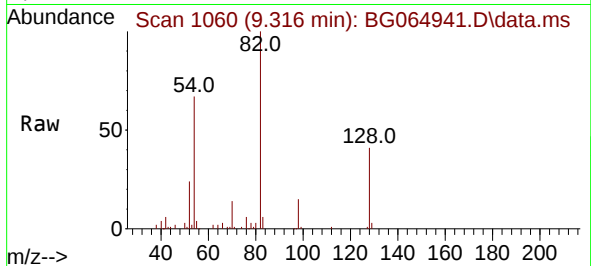




#23
Nitrobenzene-d5
Concen: 81.315 ng
RT: 9.316 min Scan# 1060
Delta R.T. -0.014 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

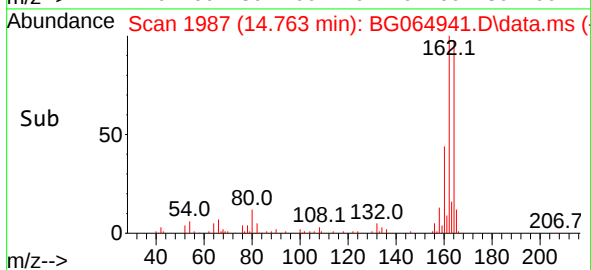
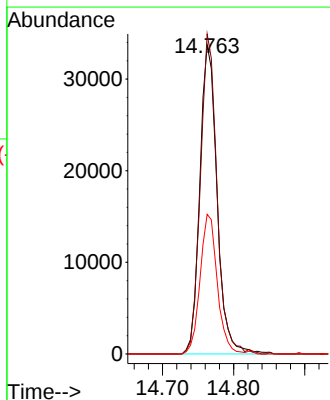
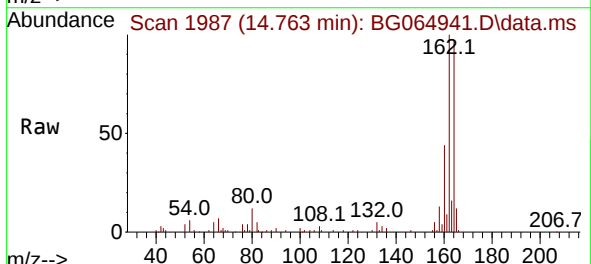
Instrument :
BNA_G
ClientSampleId :
TP-8

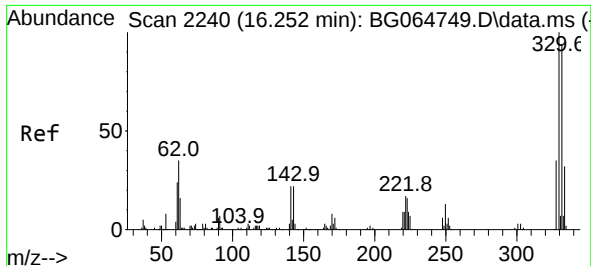
Tgt Ion: 82 Resp: 106659
Ion Ratio Lower Upper
82 100
128 40.8 34.1 51.1
54 67.3 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.763 min Scan# 1987
Delta R.T. -0.014 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

Tgt Ion: 164 Resp: 57032
Ion Ratio Lower Upper
164 100
162 103.5 79.8 119.6
160 45.2 34.9 52.3

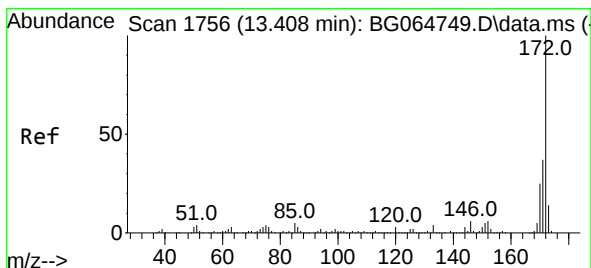
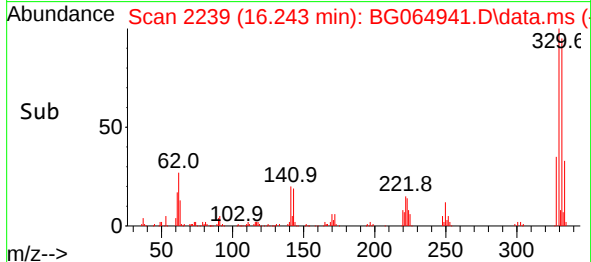
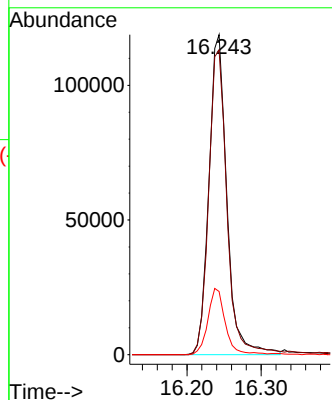
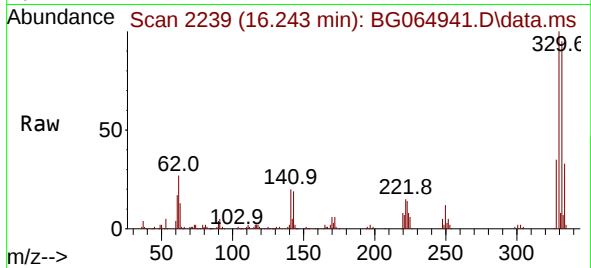




#42
2,4,6-Tribromophenol
Concen: 179.331 ng
RT: 16.243 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

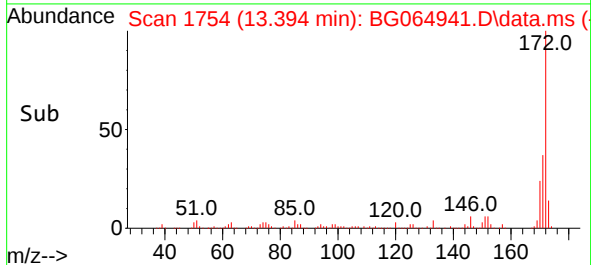
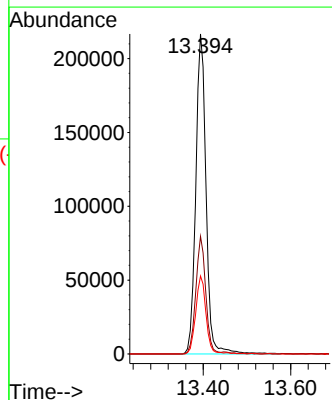
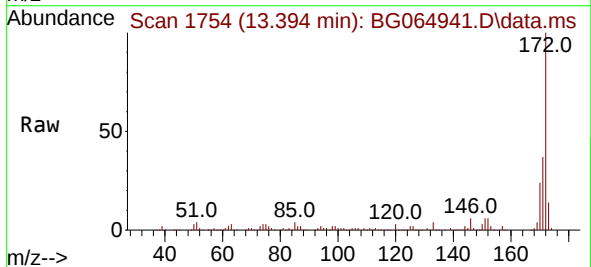
Instrument :
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ClientSampleId :
TP-8

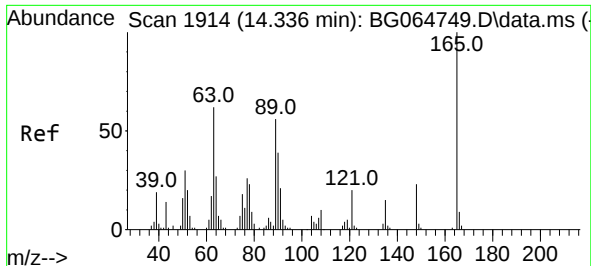
Tgt Ion:330 Resp: 199470
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 20.1 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 86.797 ng
RT: 13.394 min Scan# 1754
Delta R.T. -0.014 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

Tgt Ion:172 Resp: 354765
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 24.4 19.8 29.6

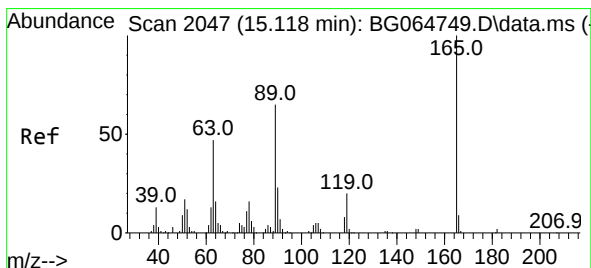
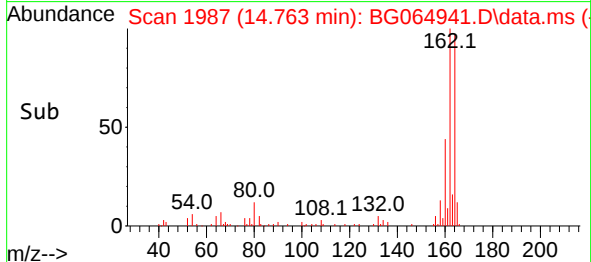
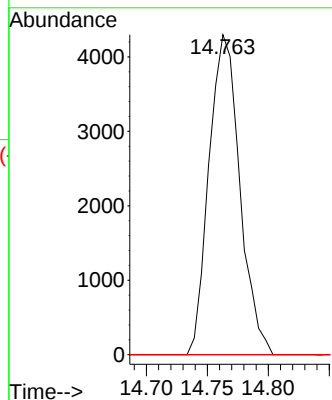
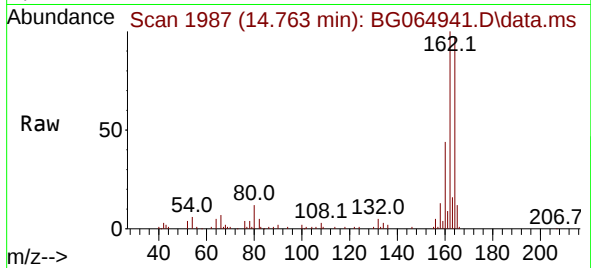




#51
2,6-Dinitrotoluene
Concen: 8.726 ng
RT: 14.763 min Scan# 1914
Delta R.T. 0.426 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

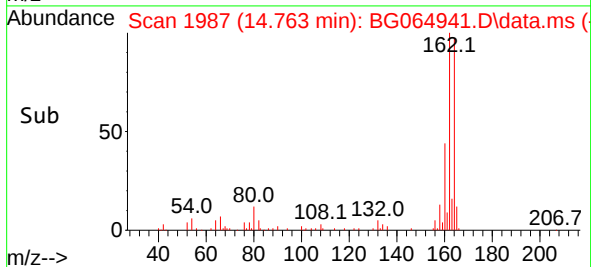
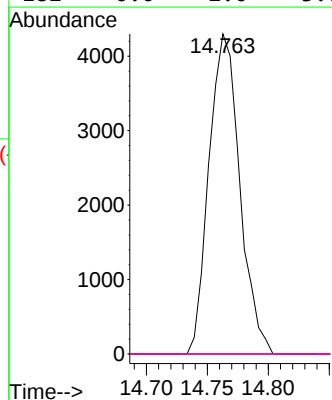
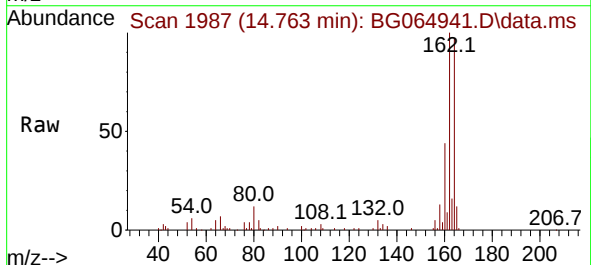
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TP-8

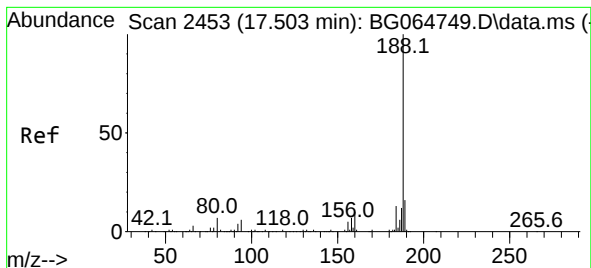
Tgt Ion:165 Resp: 7565
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.821 ng
RT: 14.763 min Scan# 1987
Delta R.T. -0.355 min
Lab File: BG064941.D
Acq: 11 Dec 2025 19:37

Tgt Ion:165 Resp: 7565
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: 17.495 min Scan# 2453

Delta R.T. -0.009 min

Lab File: BG064941.D

Acq: 11 Dec 2025 19:37

Instrument :

BNA_G

ClientSampleId :

TP-8

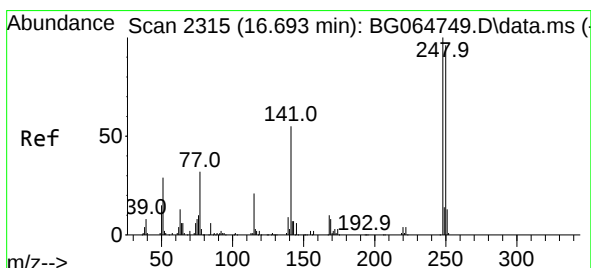
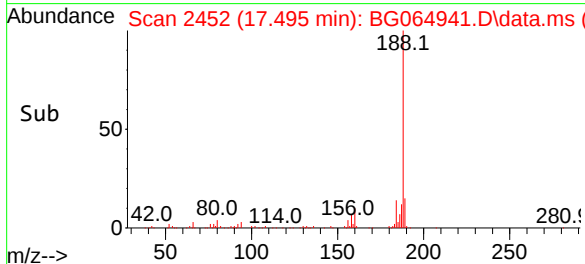
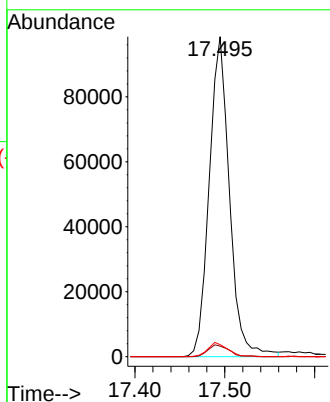
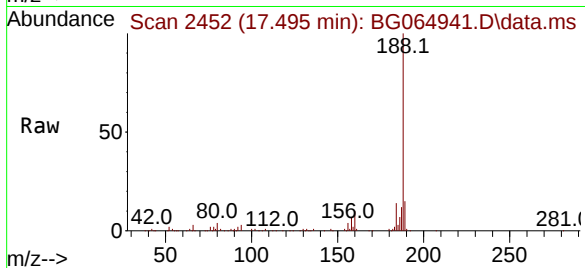
Tgt Ion:188 Resp: 154146

Ion Ratio Lower Upper

188 100

94 3.3 4.7 7.1#

80 3.7 5.4 8.2#



#67

4-Bromophenyl-phenylether

Concen: 5.700 ng

RT: 16.237 min Scan# 2238

Delta R.T. -0.455 min

Lab File: BG064941.D

Acq: 11 Dec 2025 19:37

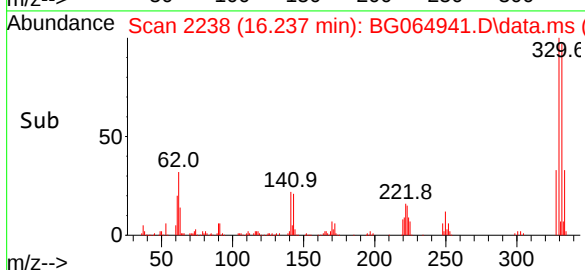
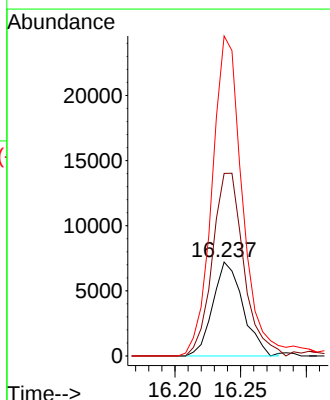
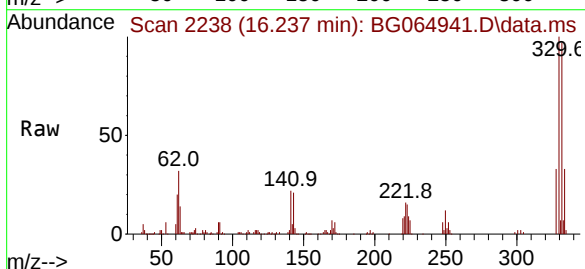
Tgt Ion:248 Resp: 11539

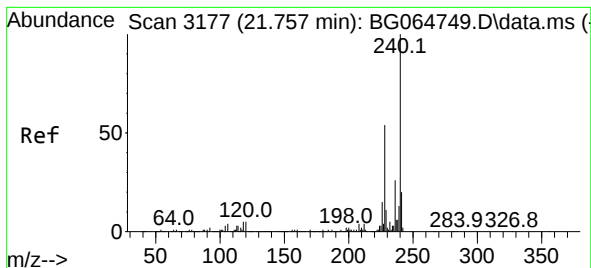
Ion Ratio Lower Upper

248 100

250 146.6 77.0 115.6#

141 256.9 43.7 65.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.743 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG064941.D

Acq: 11 Dec 2025 19:37

Instrument :

BNA_G

ClientSampleId :

TP-8

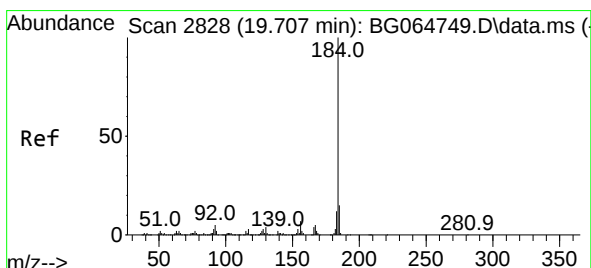
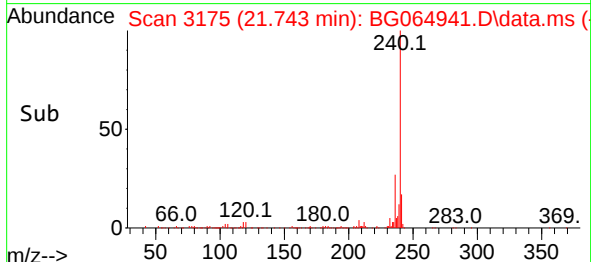
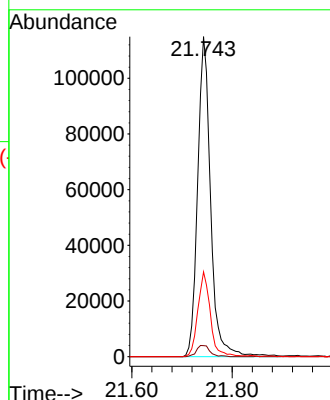
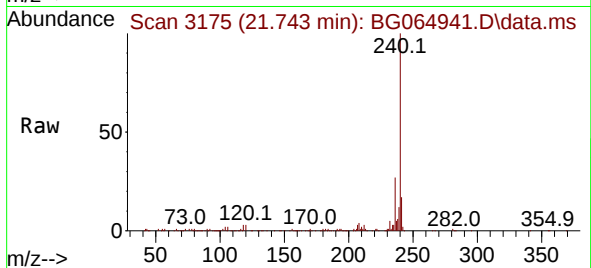
Tgt Ion:240 Resp: 205882

Ion Ratio Lower Upper

240 100

120 3.5 4.2 6.4#

236 26.5 20.8 31.2



#77

Benzidine

Concen: 2.566 ng

RT: 20.080 min Scan# 2892

Delta R.T. 0.373 min

Lab File: BG064941.D

Acq: 11 Dec 2025 19:37

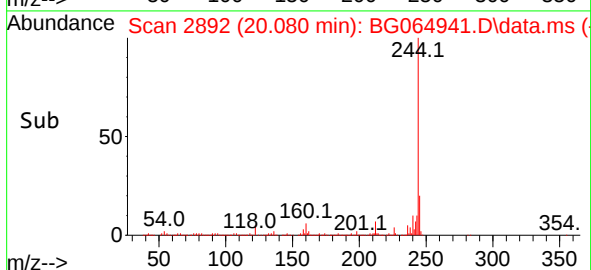
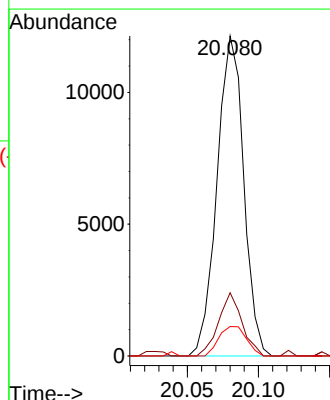
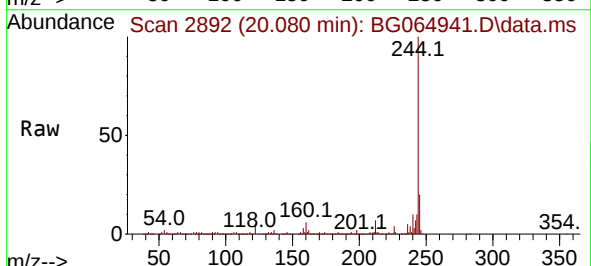
Tgt Ion:184 Resp: 15823

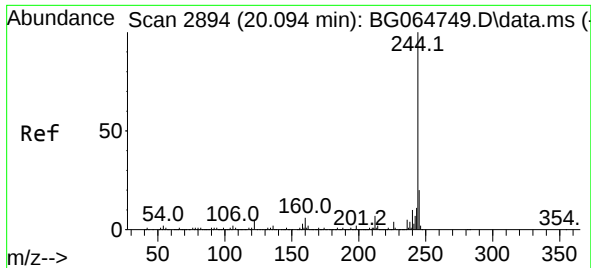
Ion Ratio Lower Upper

184 100

185 19.8 11.8 17.6#

183 9.2 9.8 14.6#

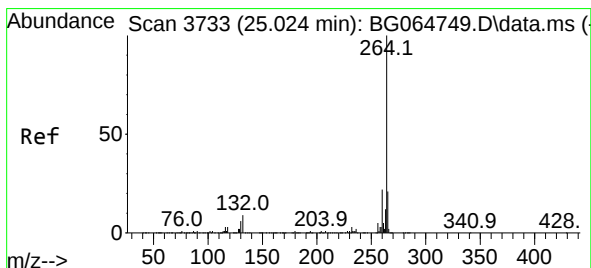
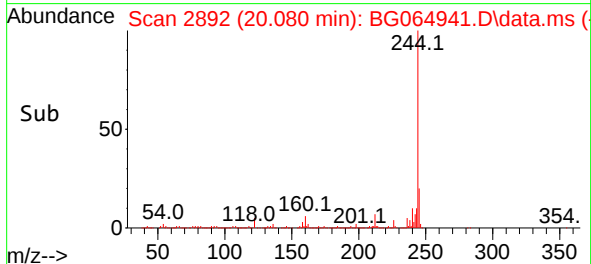
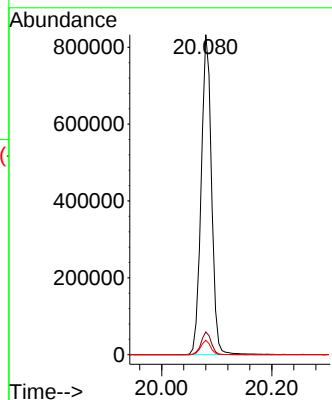
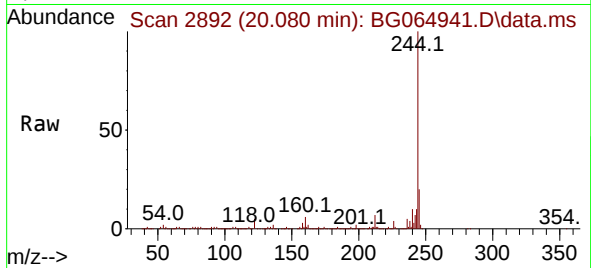




#79
 Terphenyl-d14
 Concen: 104.270 ng
 RT: 20.080 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BG064941.D
 Acq: 11 Dec 2025 19:37

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Tgt Ion:244 Resp: 1091323
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 4.5 4.3 6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.998 min Scan# 3729
 Delta R.T. -0.026 min
 Lab File: BG064941.D
 Acq: 11 Dec 2025 19:37

Tgt Ion:264 Resp: 219161
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.2 25.8
 265 22.6 16.6 25.0

