

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064759.D
 Acq On : 13 Nov 2025 16:41
 Operator : RC/JU
 Sample : Q3609-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-04

Quant Time: Nov 13 17:45:05 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)

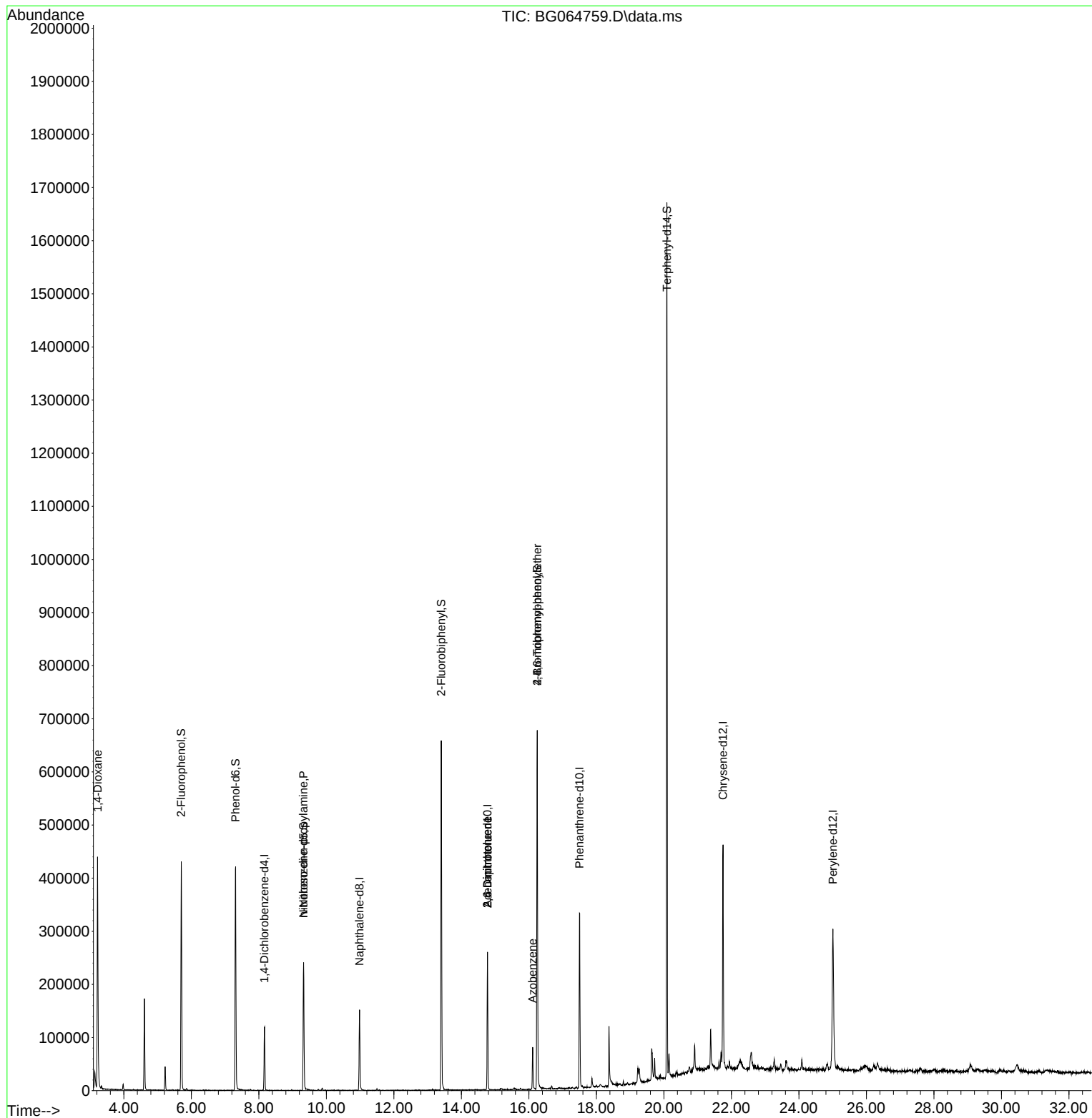
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.162	152	35577	20.000	ng	0.00
21) Naphthalene-d8	10.982	136	124974	20.000	ng	0.00
39) Acenaphthene-d10	14.772	164	98619	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	235725	20.000	ng	0.00
76) Chrysene-d12	21.752	240	294896	20.000	ng	0.00
86) Perylene-d12	25.007	264	324774	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	176713	86.736	ng	0.00
7) Phenol-d6	7.310	99	237566	87.669	ng	0.00
23) Nitrobenzene-d5	9.326	82	143229	56.665	ng	0.00
42) 2,4,6-Tribromophenol	16.247	330	169858	88.312	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	378169	53.506	ng	0.00
79) Terphenyl-d14	20.089	244	879642	58.676	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.221	88	4203	5.329	ng	# 1
19) n-Nitroso-di-n-propyla...	9.326	70	19159	10.457	ng	# 72
51) 2,6-Dinitrotoluene	14.772	165	12605	8.409	ng	# 23
57) 2,4-Dinitrotoluene	14.772	165	12605	5.609	ng	# 27
63) Azobenzene	16.112	77	22429	3.613	ng	# 1
67) 4-Bromophenyl-phenylether	16.247	248	10293	3.325	ng	# 1

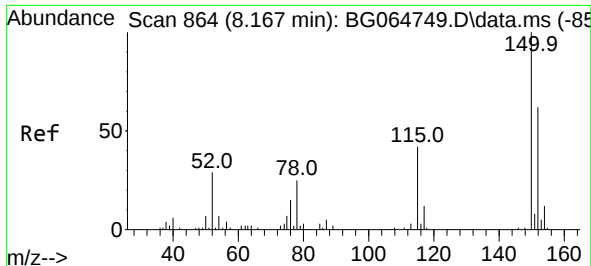
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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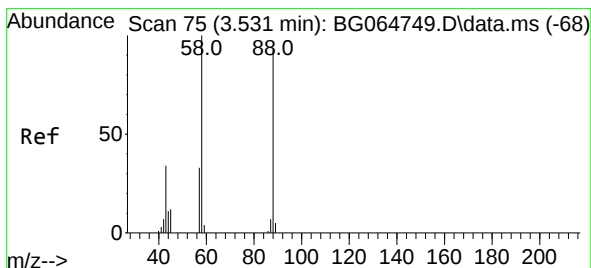
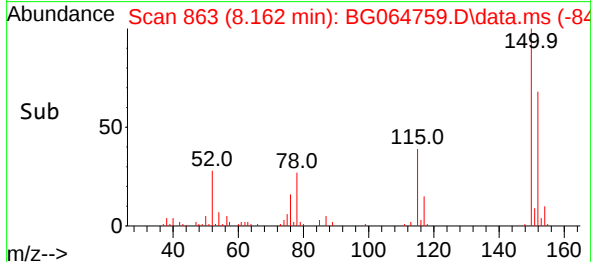
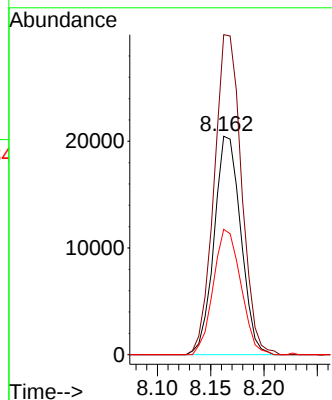
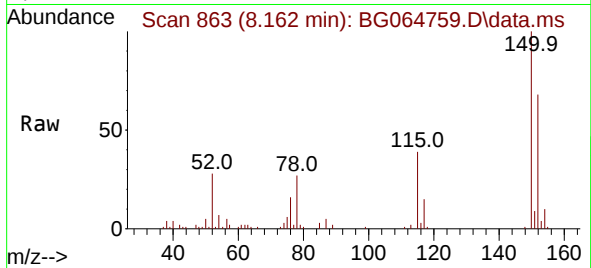




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.162 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: BG064759.D
 Acq: 13 Nov 2025 16:41

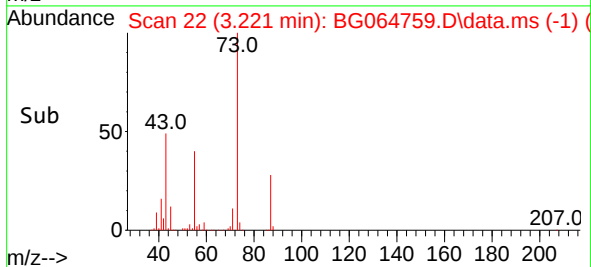
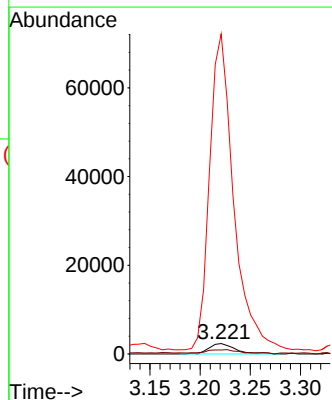
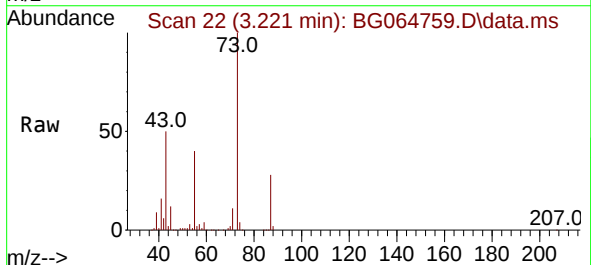
Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-04

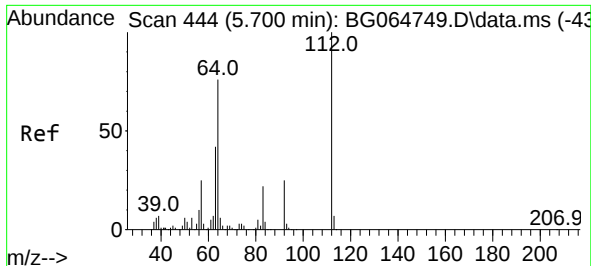
Tgt Ion:152 Resp: 35577
 Ion Ratio Lower Upper
 152 100
 150 146.6 129.2 193.8
 115 57.4 53.7 80.5



#2
 1,4-Dioxane
 Concen: 5.329 ng
 RT: 3.221 min Scan# 22
 Delta R.T. -0.311 min
 Lab File: BG064759.D
 Acq: 13 Nov 2025 16:41

Tgt Ion: 88 Resp: 4203
 Ion Ratio Lower Upper
 88 100
 58 60.1 84.6 126.8#
 43 2861.1 30.0 45.0#

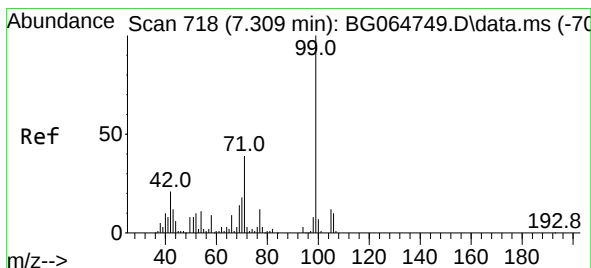
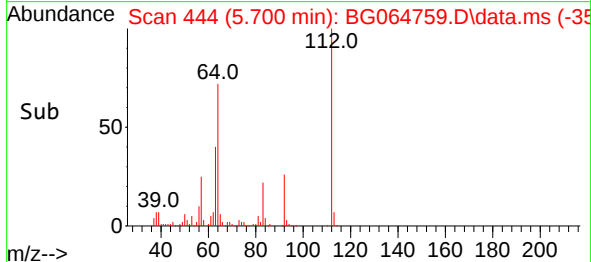
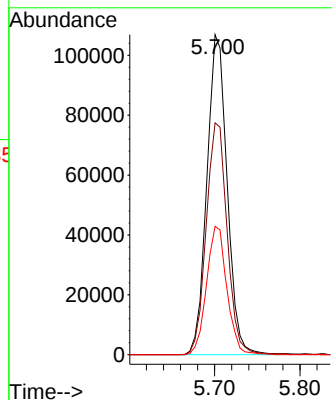
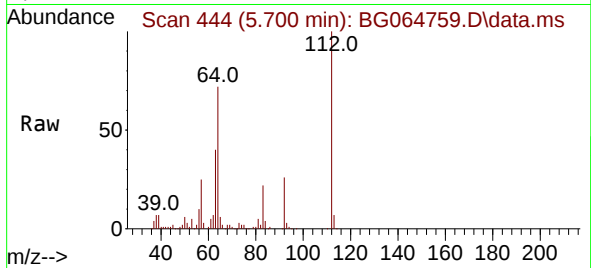




#5
2-Fluorophenol
Concen: 86.736 ng
RT: 5.700 min Scan# 444
Delta R.T. 0.001 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

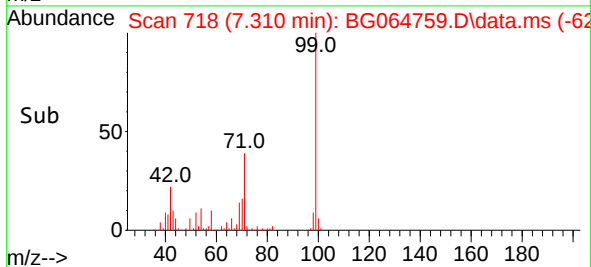
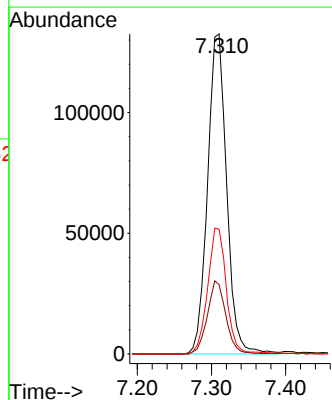
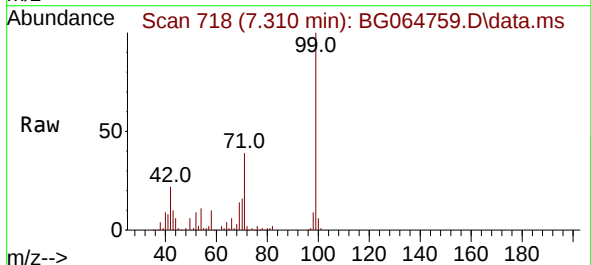
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-04

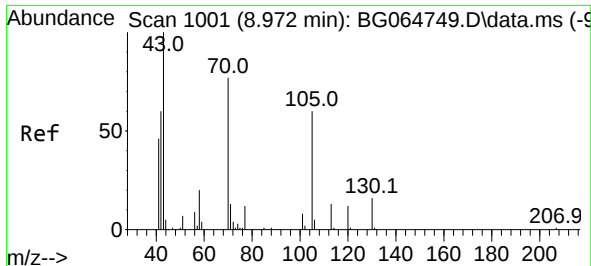
Tgt Ion:112 Resp: 176713
Ion Ratio Lower Upper
112 100
64 72.5 61.0 91.4
63 40.1 33.3 49.9



#7
Phenol-d6
Concen: 87.669 ng
RT: 7.310 min Scan# 718
Delta R.T. 0.001 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

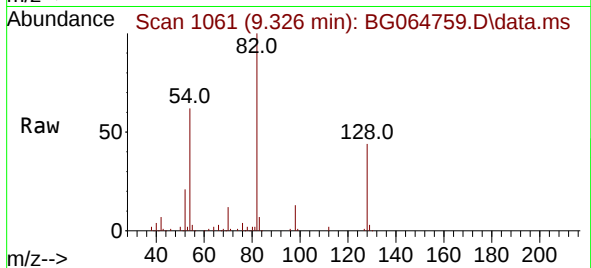
Tgt Ion: 99 Resp: 237566
Ion Ratio Lower Upper
99 100
42 21.7 16.8 25.2
71 39.0 31.1 46.7



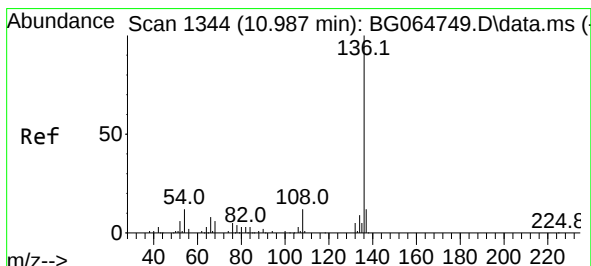
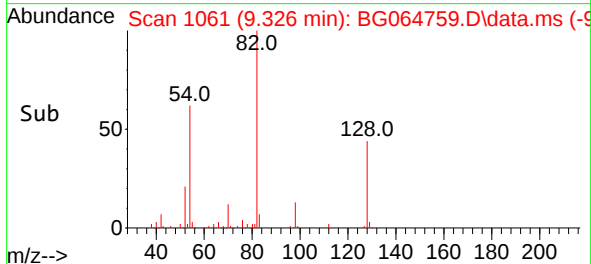
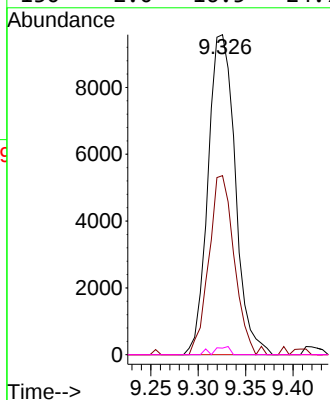


#19
n-Nitroso-di-n-propylamine
Concen: 10.457 ng
RT: 9.326 min Scan# 1061
Delta R.T. 0.353 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-04

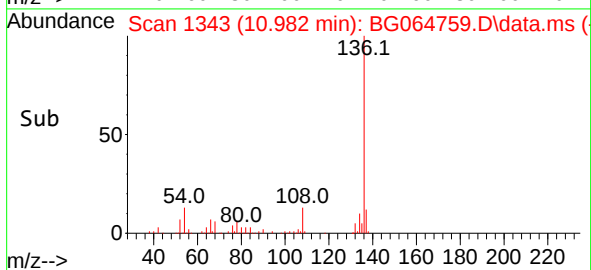
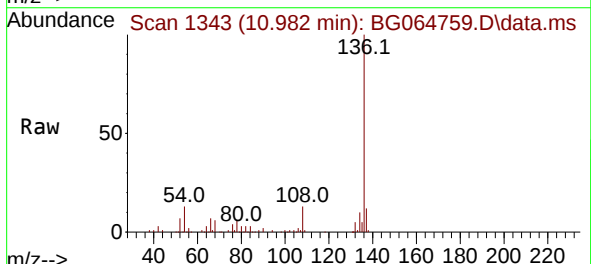
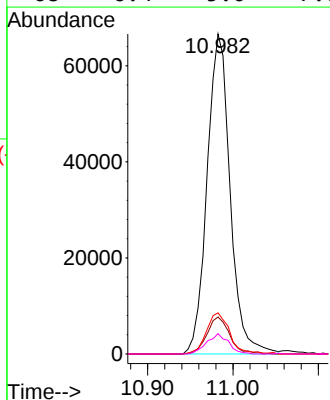


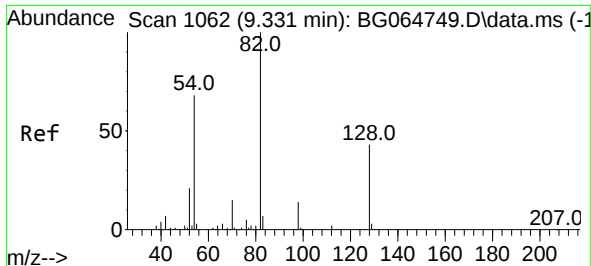
Tgt Ion: 70 Resp: 19159
Ion Ratio Lower Upper
70 100
42 56.0 62.6 93.8#
101 0.0 8.0 12.0#
130 2.0 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.982 min Scan# 1343
Delta R.T. -0.005 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

Tgt Ion: 136 Resp: 124974
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 12.8 9.3 13.9
68 6.4 5.0 7.6

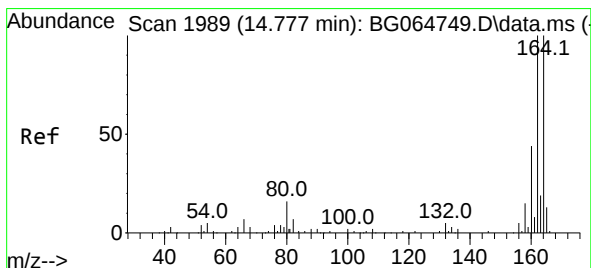
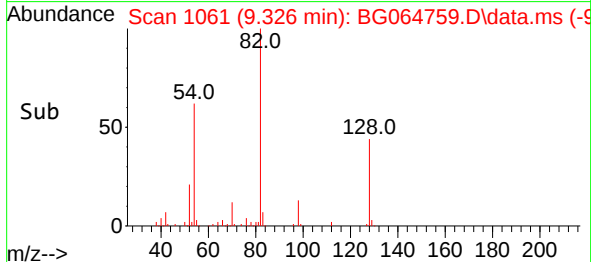
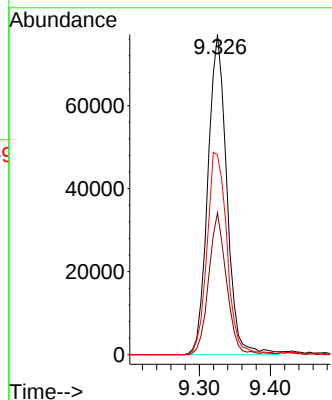
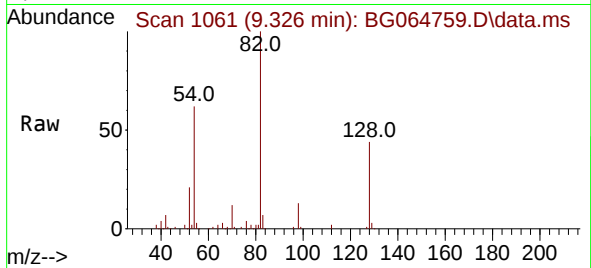




#23
Nitrobenzene-d5
Concen: 56.665 ng
RT: 9.326 min Scan# 1061
Delta R.T. -0.005 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

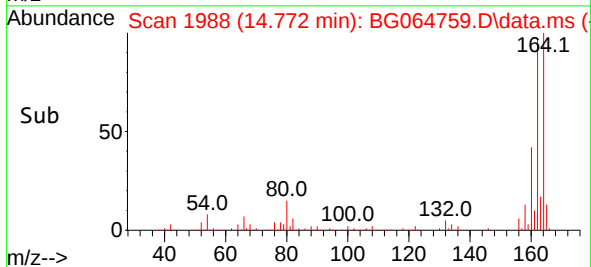
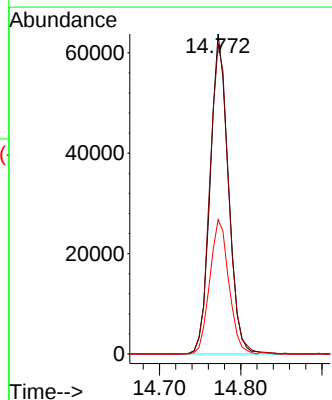
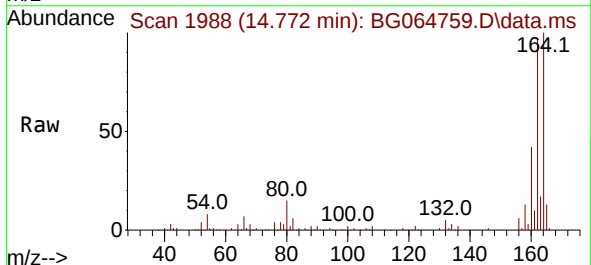
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-04

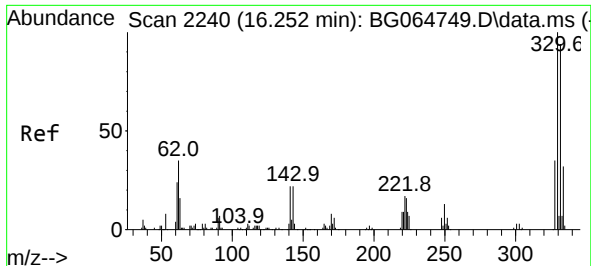
Tgt Ion: 82 Resp: 143229
Ion Ratio Lower Upper
82 100
128 44.3 34.1 51.1
54 62.4 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.772 min Scan# 1988
Delta R.T. -0.005 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

Tgt Ion: 164 Resp: 98619
Ion Ratio Lower Upper
164 100
162 96.8 79.8 119.6
160 42.0 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 88.312 ng

RT: 16.247 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG064759.D

Acq: 13 Nov 2025 16:41

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-04

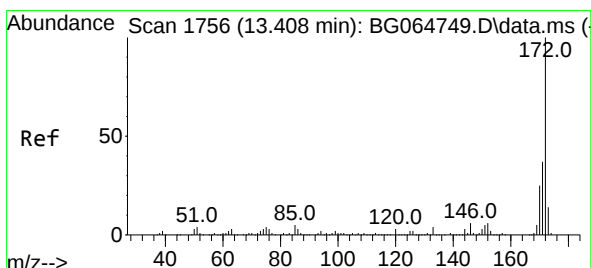
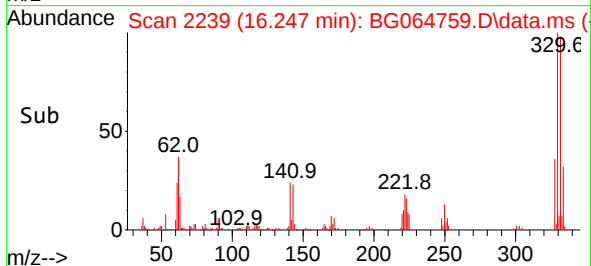
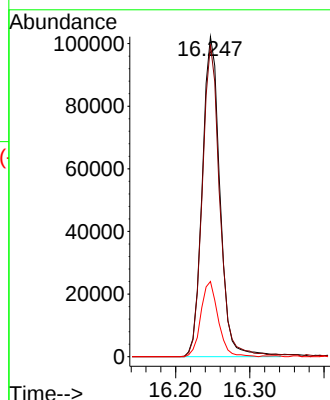
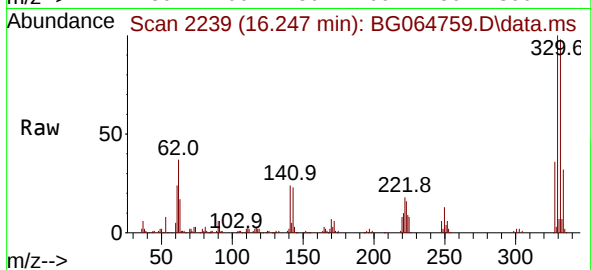
Tgt Ion:330 Resp: 169858

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

141 22.9 18.2 27.2



#45

2-Fluorobiphenyl

Concen: 53.506 ng

RT: 13.403 min Scan# 1755

Delta R.T. -0.005 min

Lab File: BG064759.D

Acq: 13 Nov 2025 16:41

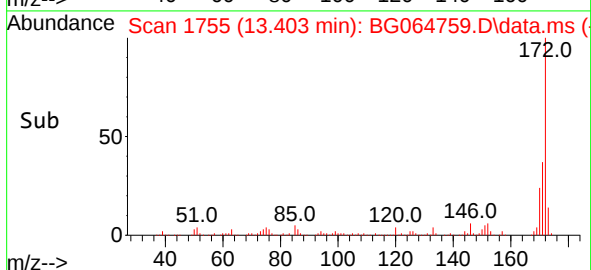
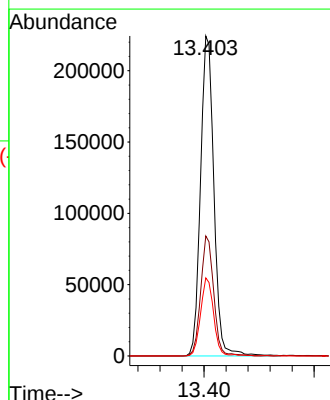
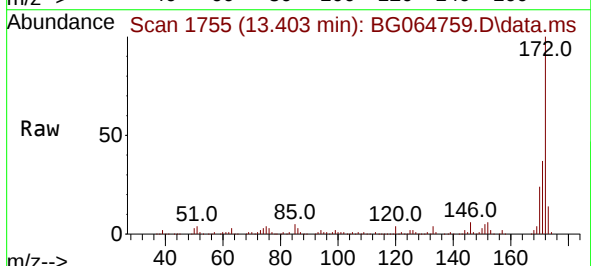
Tgt Ion:172 Resp: 378169

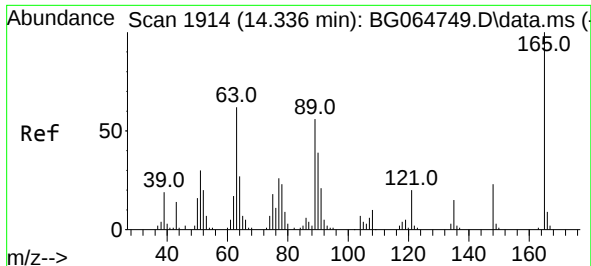
Ion Ratio Lower Upper

172 100

171 37.5 29.9 44.9

170 24.4 19.8 29.6

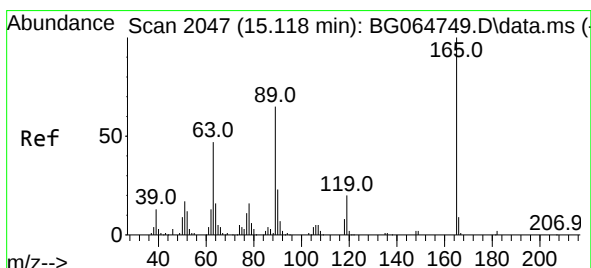
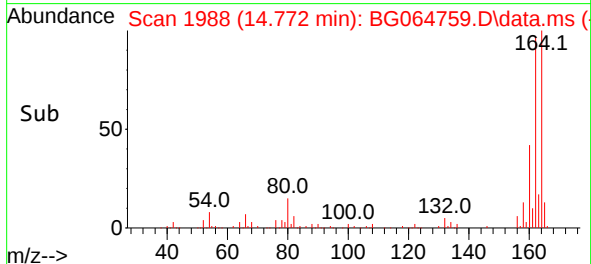
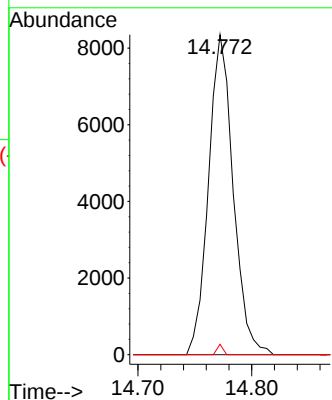
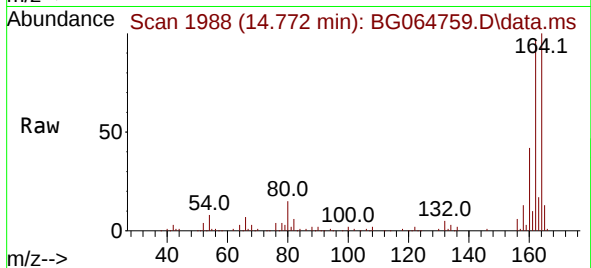




#51
2,6-Dinitrotoluene
Concen: 8.409 ng
RT: 14.772 min Scan# 1914
Delta R.T. 0.436 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

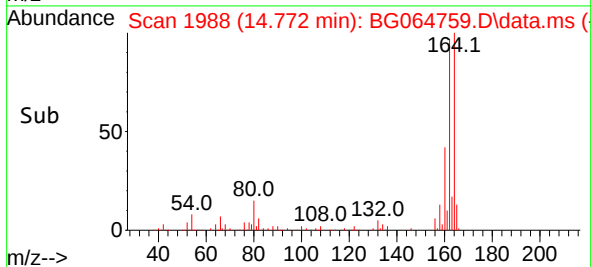
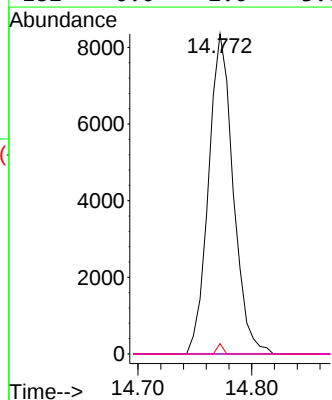
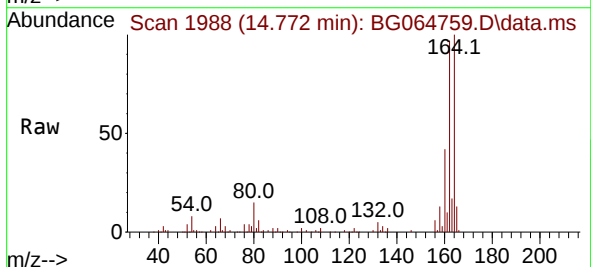
Instrument :
BNA_G
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AU-713-COMP-04

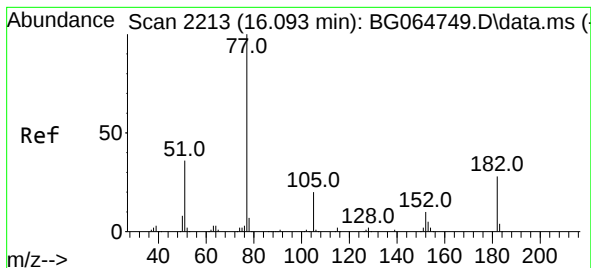
Tgt Ion:165 Resp: 12605
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 3.3 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.609 ng
RT: 14.772 min Scan# 1988
Delta R.T. -0.346 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

Tgt Ion:165 Resp: 12605
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 3.3 51.6 77.4#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.613 ng

RT: 16.112 min Scan# 21

Delta R.T. 0.018 min

Lab File: BG064759.D

Acq: 13 Nov 2025 16:41

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-04

Tgt Ion: 77 Resp: 22429

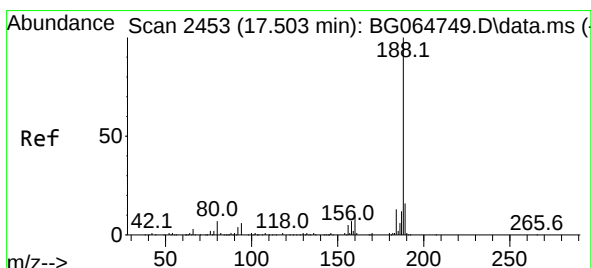
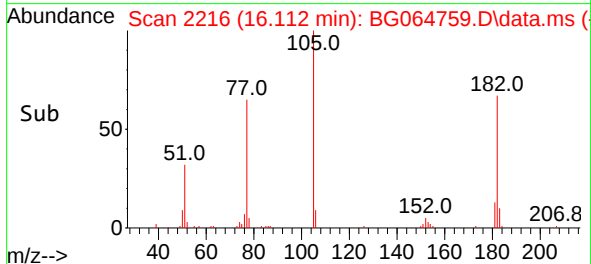
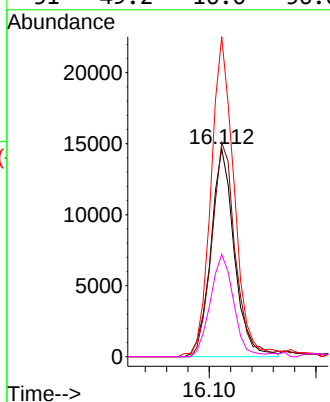
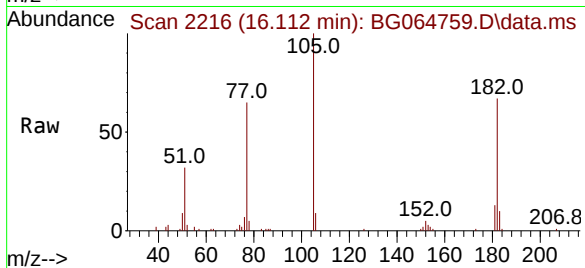
Ion Ratio Lower Upper

77 100

182 103.0 8.1 48.1#

105 154.0 0.1 40.1#

51 49.2 16.0 56.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.498 min Scan# 2452

Delta R.T. -0.005 min

Lab File: BG064759.D

Acq: 13 Nov 2025 16:41

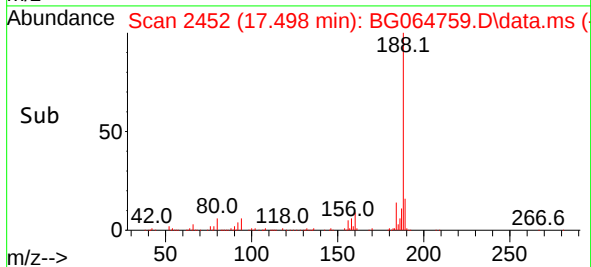
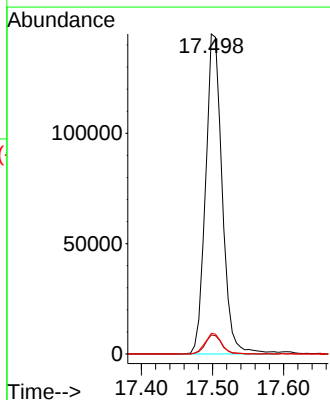
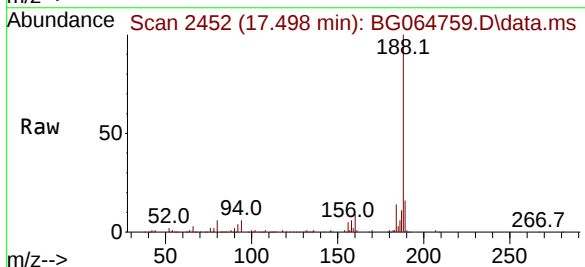
Tgt Ion:188 Resp: 235725

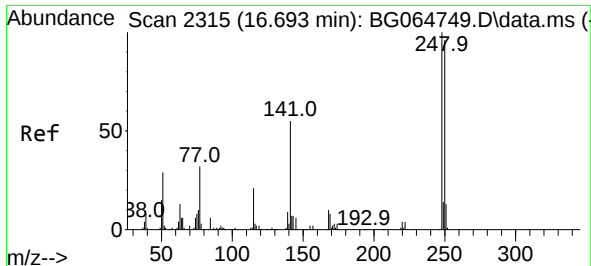
Ion Ratio Lower Upper

188 100

94 6.0 4.7 7.1

80 6.5 5.4 8.2

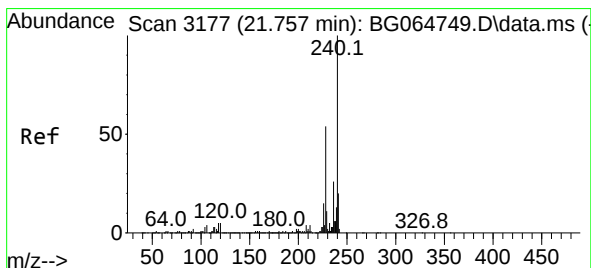
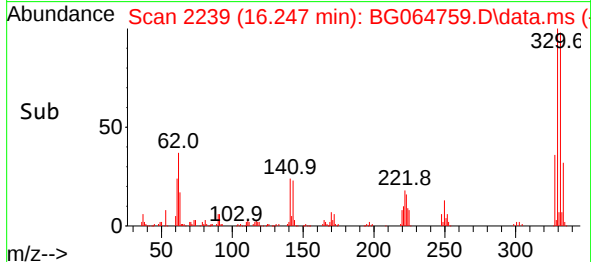
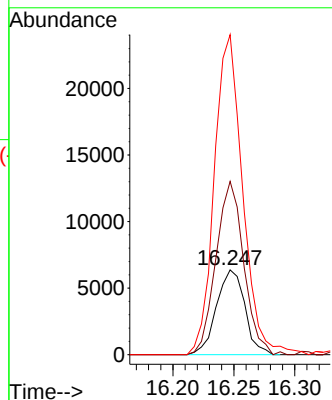
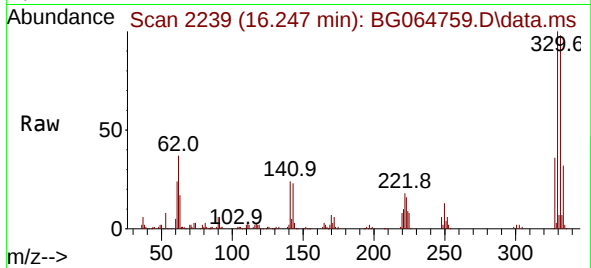




#67
4-Bromophenyl-phenylether
Concen: 3.325 ng
RT: 16.247 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

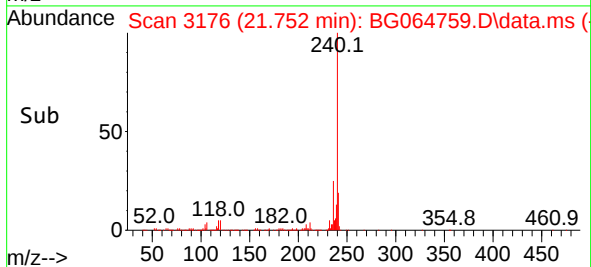
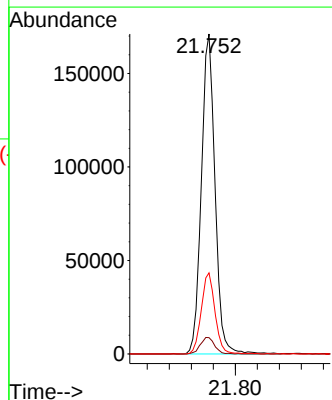
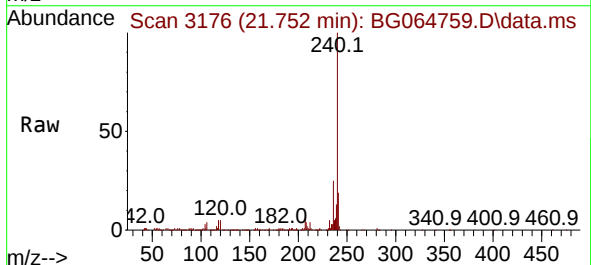
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-04

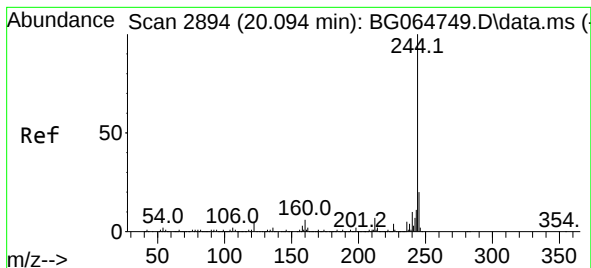
Tgt Ion:248 Resp: 10293
Ion Ratio Lower Upper
248 100
250 150.5 77.0 115.6#
141 278.0 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.752 min Scan# 3176
Delta R.T. -0.005 min
Lab File: BG064759.D
Acq: 13 Nov 2025 16:41

Tgt Ion:240 Resp: 294896
Ion Ratio Lower Upper
240 100
120 5.1 4.2 6.4
236 25.4 20.8 31.2





#79

Terphenyl-d14

Concen: 58.676 ng

RT: 20.089 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG064759.D

Acq: 13 Nov 2025 16:41

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-04

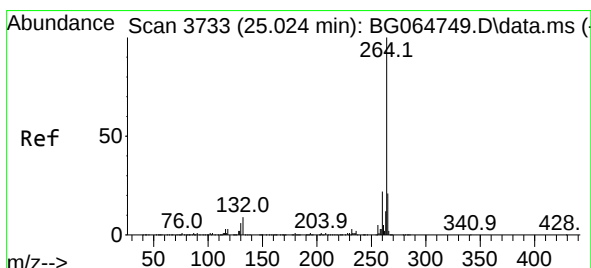
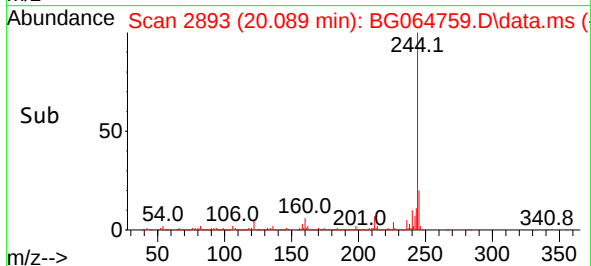
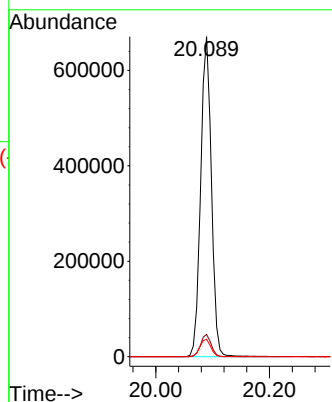
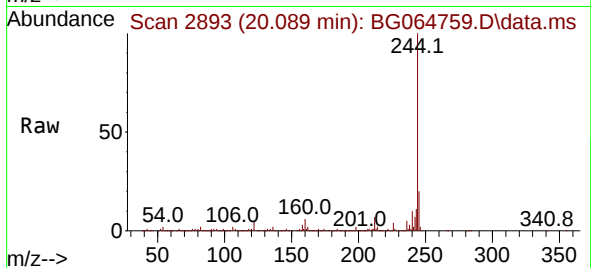
Tgt Ion:244 Resp: 879642

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 5.5 4.3 6.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.007 min Scan# 3730

Delta R.T. -0.017 min

Lab File: BG064759.D

Acq: 13 Nov 2025 16:41

Tgt Ion:264 Resp: 324774

Ion Ratio Lower Upper

264 100

260 24.6 17.2 25.8

265 21.5 16.6 25.0

