

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
 Data File : BG064711.D
 Acq On : 6 Nov 2025 20:33
 Operator : RC/JU
 Sample : Q3534-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-6

Quant Time: Nov 07 00:34:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

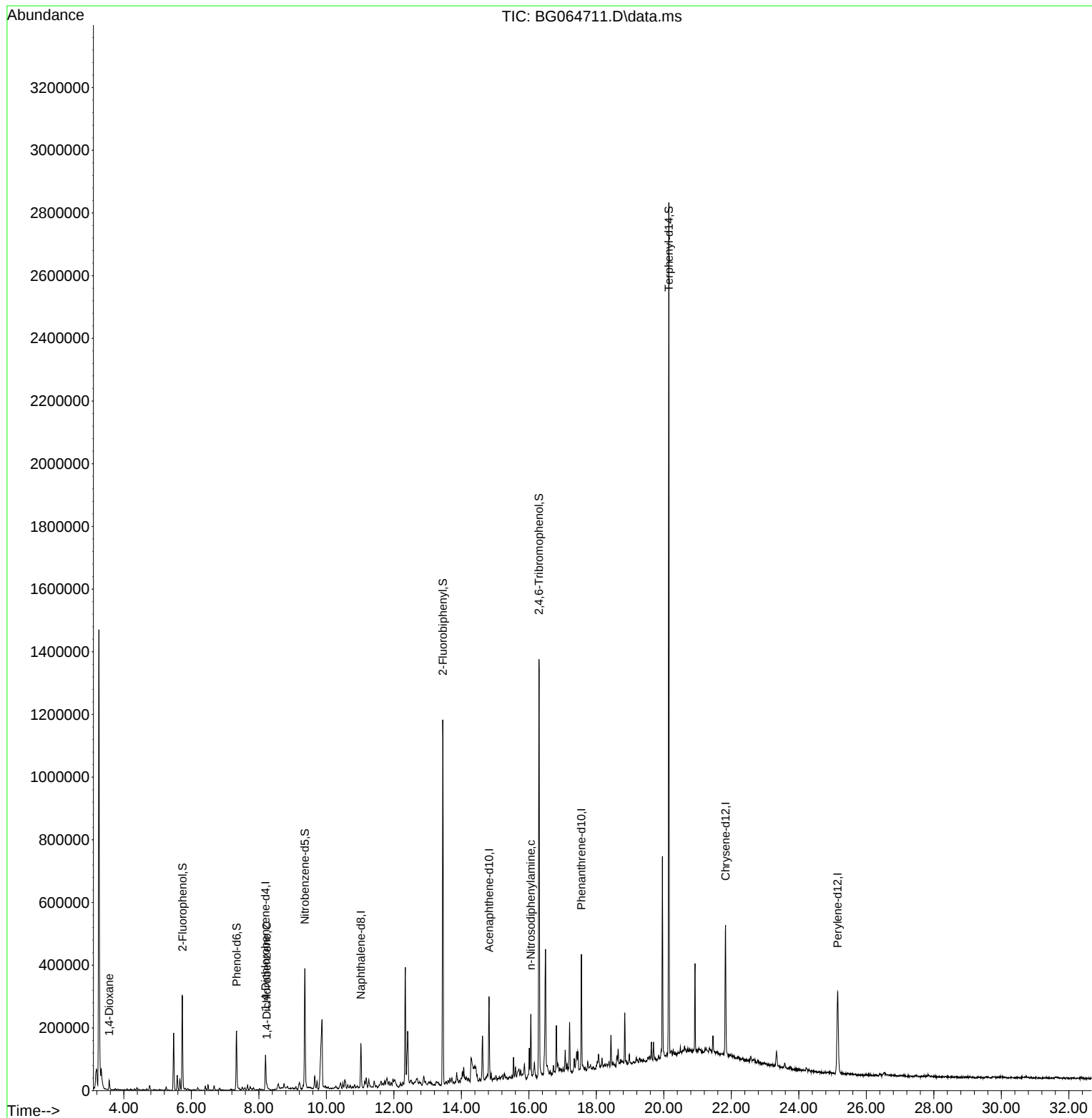
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.197	152	30988	20.000	ng	-0.03
21) Naphthalene-d8	11.023	136	121821	20.000	ng	#-0.03
39) Acenaphthene-d10	14.819	164	100117	20.000	ng	-0.03
64) Phenanthrene-d10	17.557	188	237813	20.000	ng	#-0.03
76) Chrysene-d12	21.828	240	285660	20.000	ng	#-0.03
86) Perylene-d12	25.148	264	321269	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.735	112	128027	69.347	ng	-0.01
7) Phenol-d6	7.339	99	111653	44.073	ng	-0.01
23) Nitrobenzene-d5	9.361	82	230500	113.646	ng	-0.03
42) 2,4,6-Tribromophenol	16.300	330	273023	188.945	ng	-0.02
45) 2-Fluorobiphenyl	13.450	172	621801	94.139	ng	-0.03
79) Terphenyl-d14	20.148	244	1385592	91.537	ng	-0.03
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.567	88	13278	16.245	ng	# 78
13) 1,4-Dichlorobenzene	8.232	146	7055	3.120	ng	94
66) n-Nitrosodiphenylamine	16.059	169	72525	11.290	ng	100

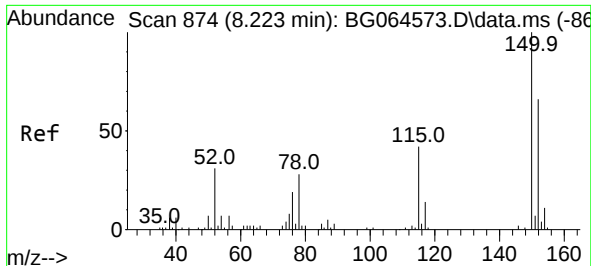
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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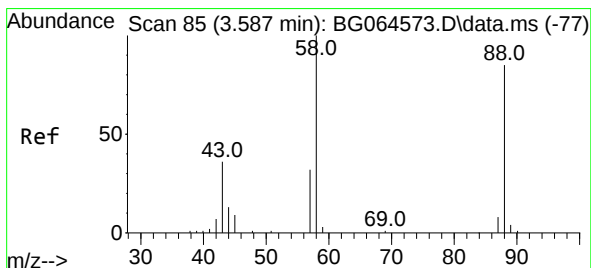
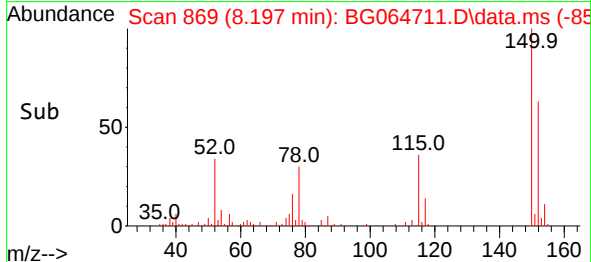
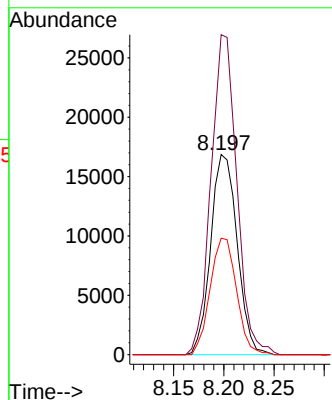
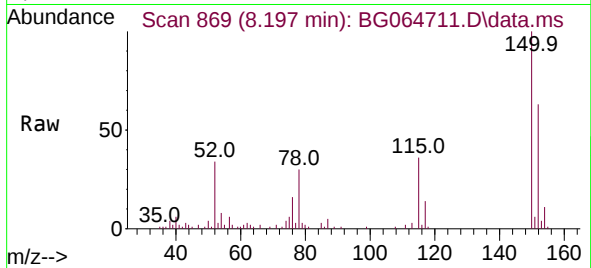




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.197 min Scan# 80
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

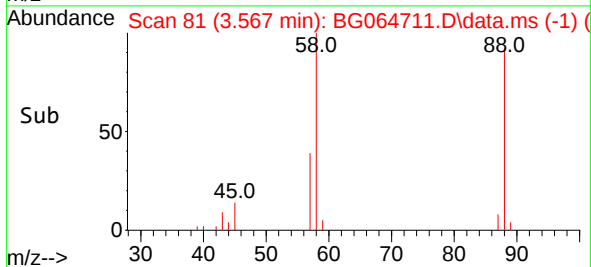
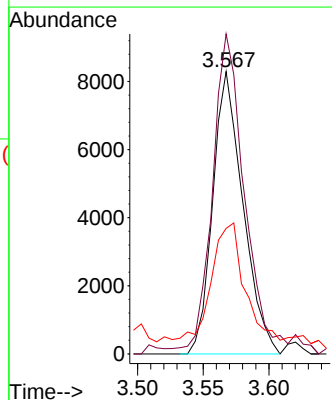
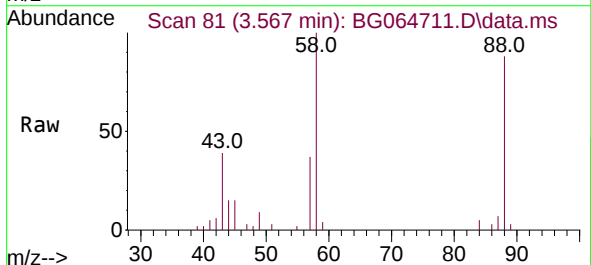
Instrument :
BNA_G
ClientSampleId :
MW-6

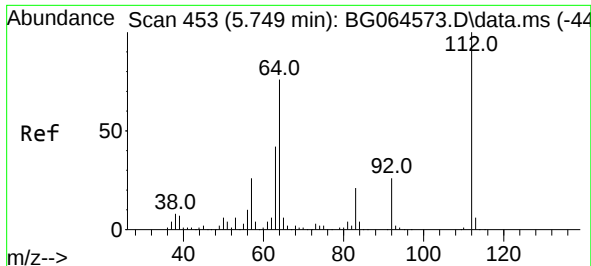
Tgt Ion:152 Resp: 30988
Ion Ratio Lower Upper
152 100
150 160.0 122.2 183.4
115 58.2 50.8 76.2



#2
1,4-Dioxane
Concen: 16.245 ng
RT: 3.567 min Scan# 81
Delta R.T. -0.020 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion: 88 Resp: 13278
Ion Ratio Lower Upper
88 100
58 123.0 92.4 138.6
43 0.0 33.0 49.6#

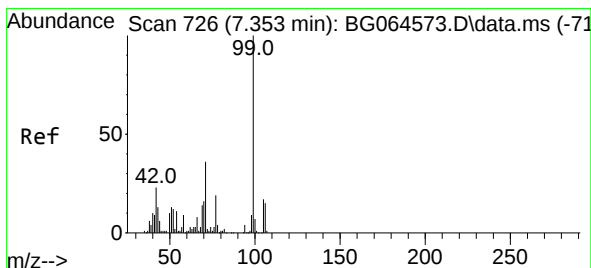
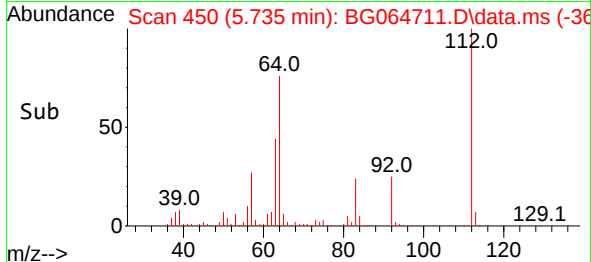
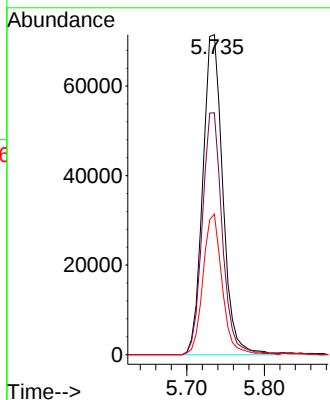
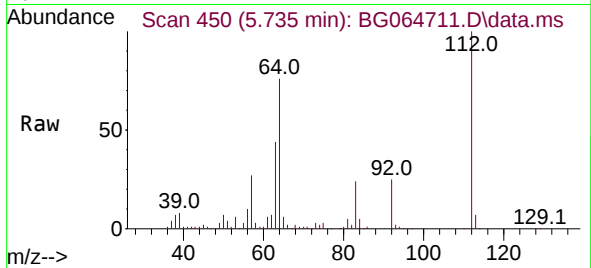




#5
2-Fluorophenol
Concen: 69.347 ng
RT: 5.735 min Scan# 41
Delta R.T. -0.014 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

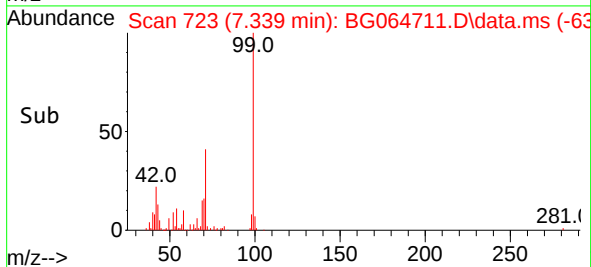
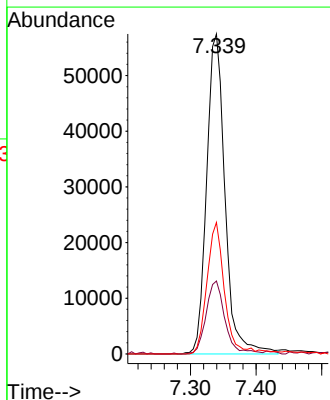
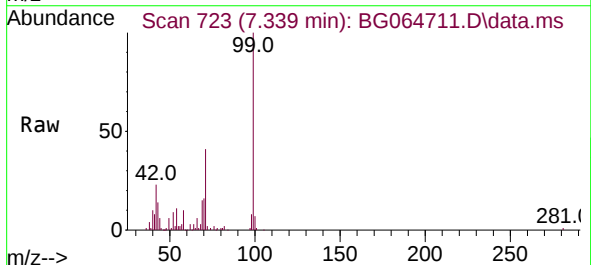
Instrument :
BNA_G
ClientSampleId :
MW-6

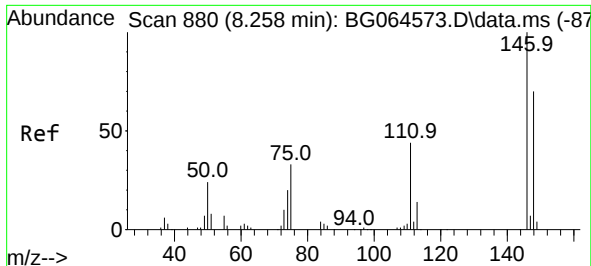
Tgt Ion:112 Resp: 128027
Ion Ratio Lower Upper
112 100
64 75.6 60.7 91.1
63 43.9 33.4 50.0



#7
Phenol-d6
Concen: 44.073 ng
RT: 7.339 min Scan# 723
Delta R.T. -0.014 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion: 99 Resp: 111653
Ion Ratio Lower Upper
99 100
42 22.8 18.3 27.5
71 41.1 28.6 43.0

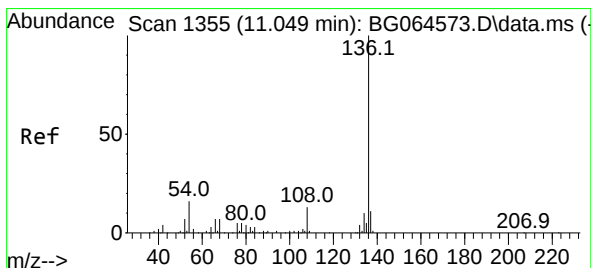
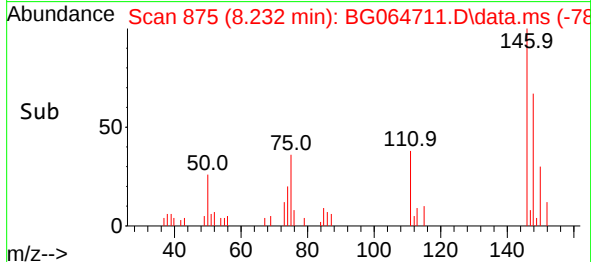
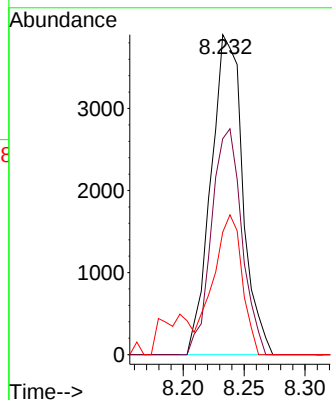
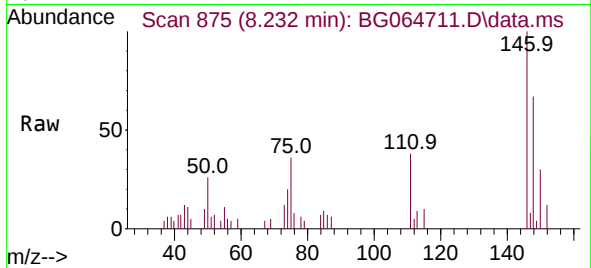




#13
1,4-Dichlorobenzene
Concen: 3.120 ng
RT: 8.232 min Scan# 81
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

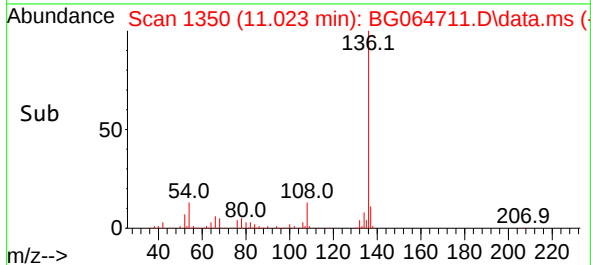
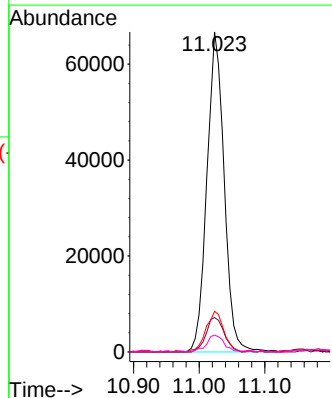
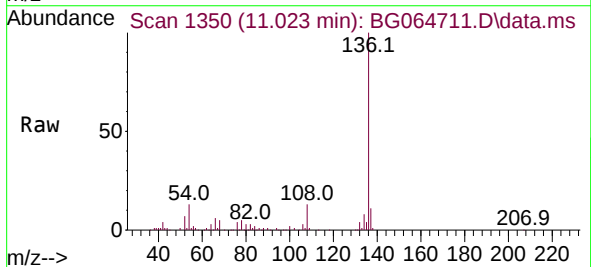
Instrument :
BNA_G
ClientSampleId :
MW-6

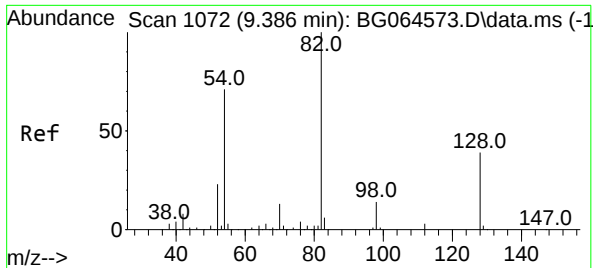
Tgt Ion:146 Resp: 7055
Ion Ratio Lower Upper
146 100
148 67.5 56.2 84.4
111 38.3 35.4 53.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.023 min Scan# 1350
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:136 Resp: 121821
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 12.7 12.6 19.0
68 5.2 5.7 8.5#

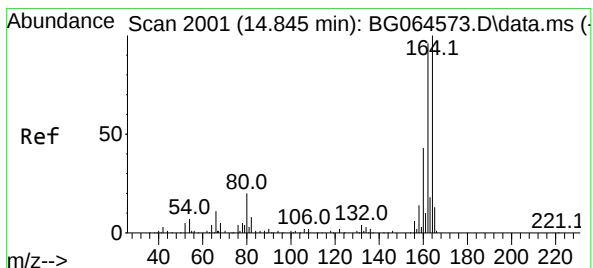
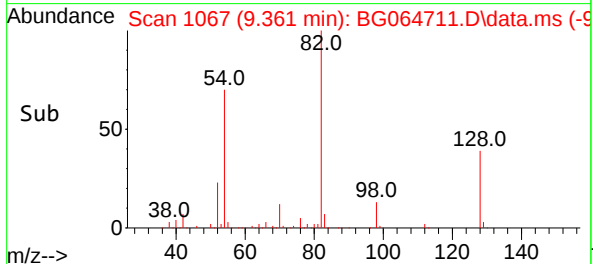
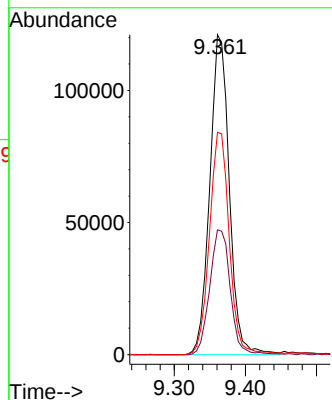
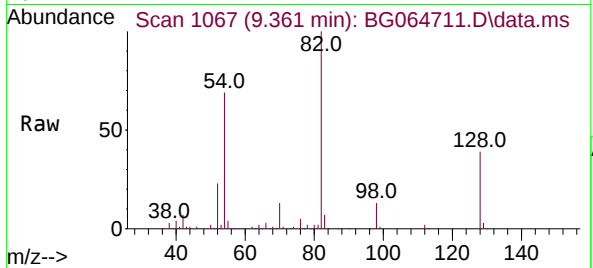




#23
Nitrobenzene-d5
Concen: 113.646 ng
RT: 9.361 min Scan# 1072
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

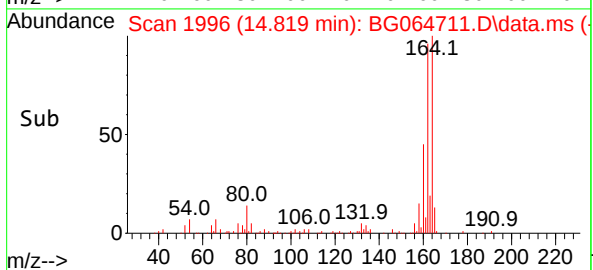
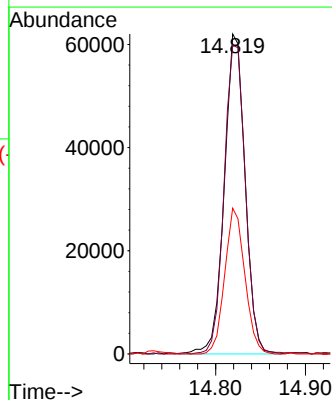
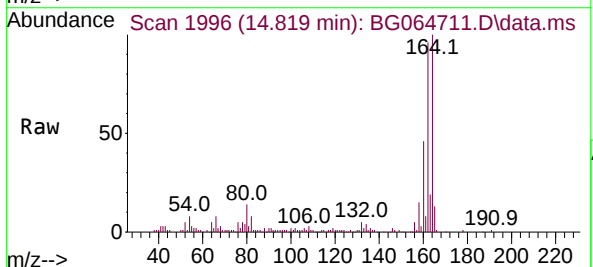
Instrument :
BNA_G
ClientSampleId :
MW-6

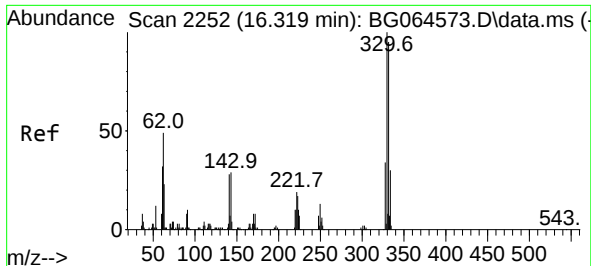
Tgt Ion: 82 Resp: 230500
Ion Ratio Lower Upper
82 100
128 39.0 31.3 46.9
54 69.5 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.819 min Scan# 1996
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:164 Resp: 100117
Ion Ratio Lower Upper
164 100
162 96.4 77.0 115.6
160 45.5 34.4 51.6

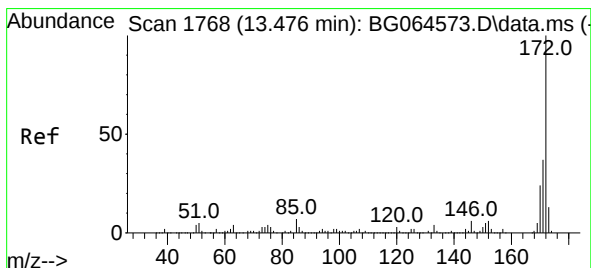
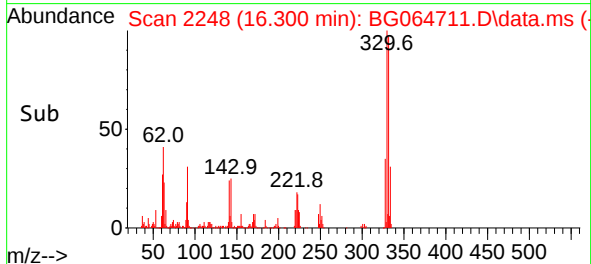
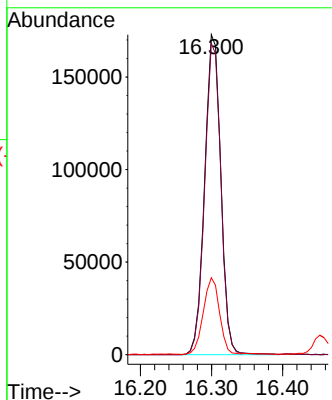
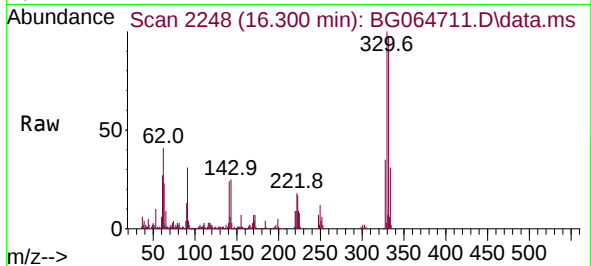




#42
2,4,6-Tribromophenol
Concen: 188.945 ng
RT: 16.300 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

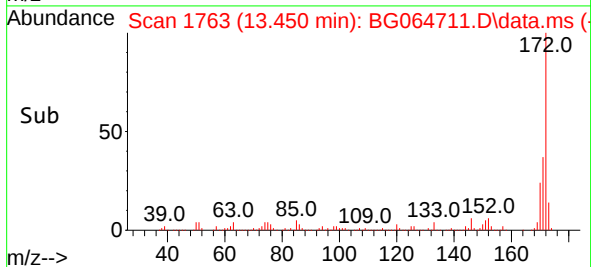
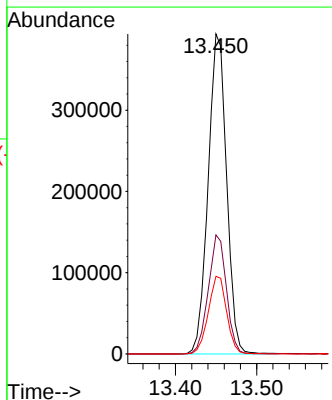
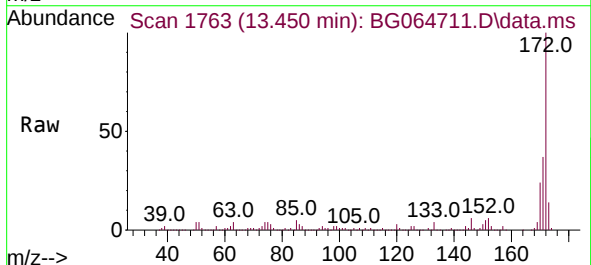
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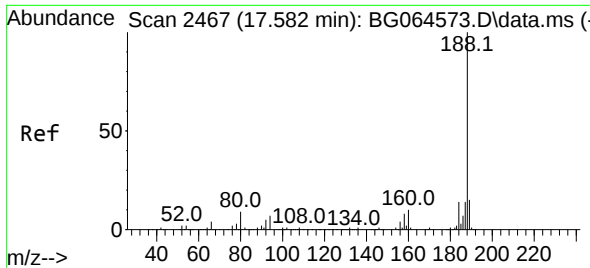
Tgt Ion:330 Resp: 273023
Ion Ratio Lower Upper
330 100
332 97.0 78.0 117.0
141 23.7 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 94.139 ng
RT: 13.450 min Scan# 1763
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:172 Resp: 621801
Ion Ratio Lower Upper
172 100
171 37.2 29.4 44.0
170 24.2 19.1 28.7

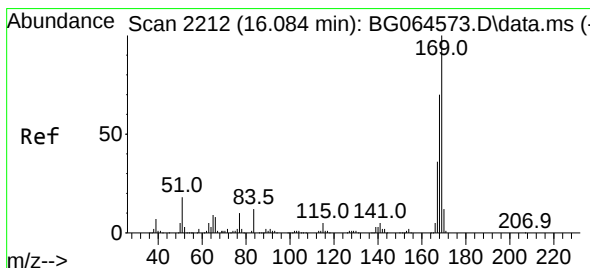
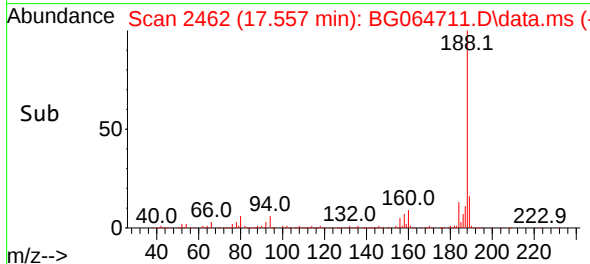
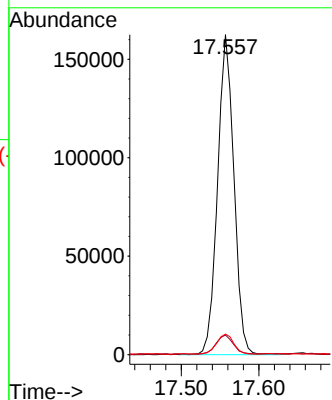
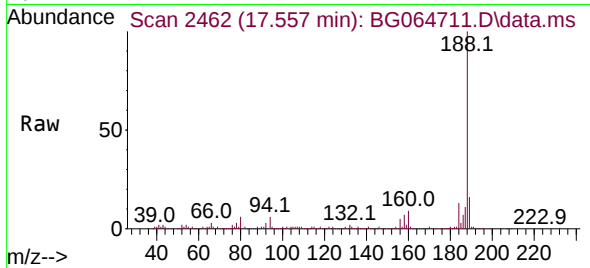




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

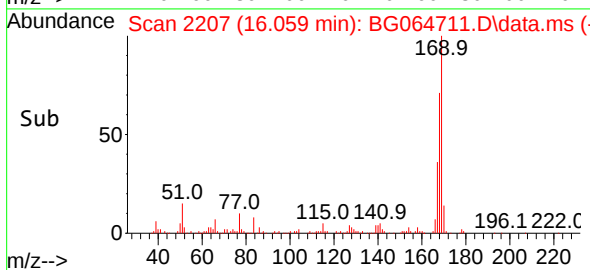
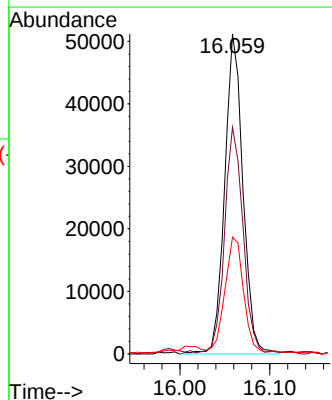
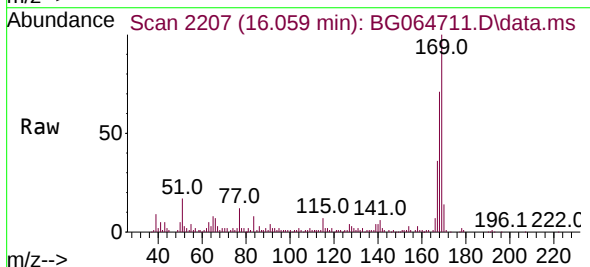
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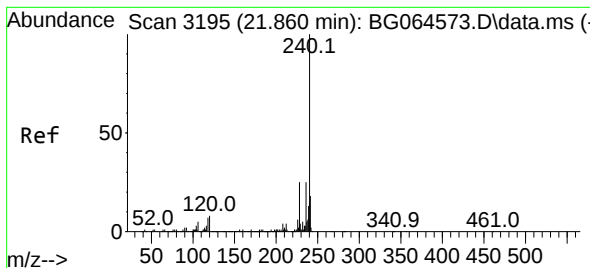
Tgt Ion:188 Resp: 237813
Ion Ratio Lower Upper
188 100
94 6.1 5.7 8.5
80 6.4 6.8 10.2#



#66
n-Nitrosodiphenylamine
Concen: 11.290 ng
RT: 16.059 min Scan# 2207
Delta R.T. -0.026 min
Lab File: BG064711.D
Acq: 6 Nov 2025 20:33

Tgt Ion:169 Resp: 72525
Ion Ratio Lower Upper
169 100
168 70.8 56.3 84.5
167 36.5 29.0 43.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.828 min Scan# 31

Delta R.T. -0.031 min

Lab File: BG064711.D

Acq: 6 Nov 2025 20:33

Instrument :

BNA_G

ClientSampleId :

MW-6

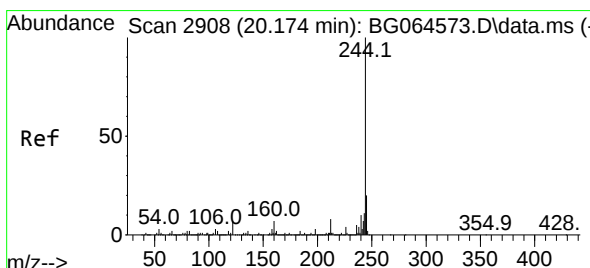
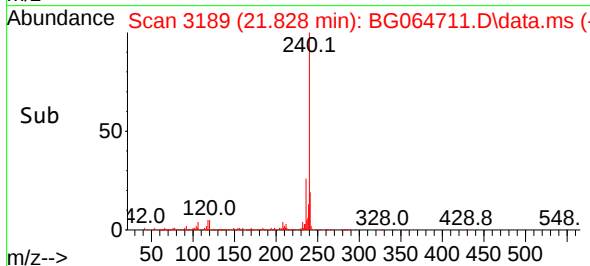
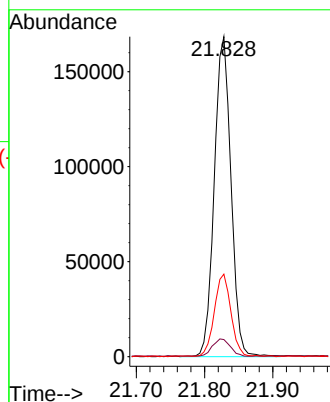
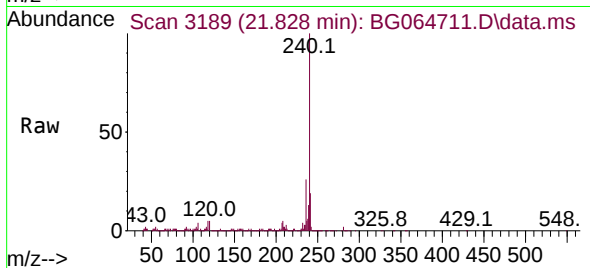
Tgt Ion:240 Resp: 285660

Ion Ratio Lower Upper

240 100

120 5.3 6.5 9.7#

236 25.8 20.2 30.2



#79

Terphenyl-d14

Concen: 91.537 ng

RT: 20.148 min Scan# 2903

Delta R.T. -0.026 min

Lab File: BG064711.D

Acq: 6 Nov 2025 20:33

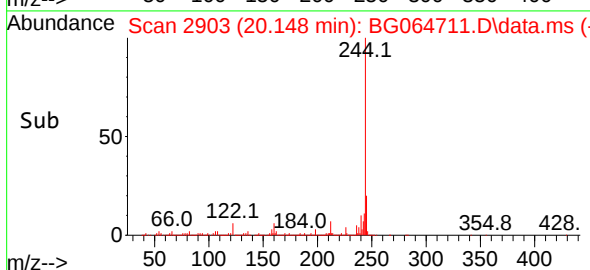
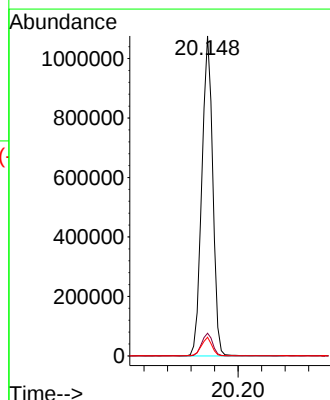
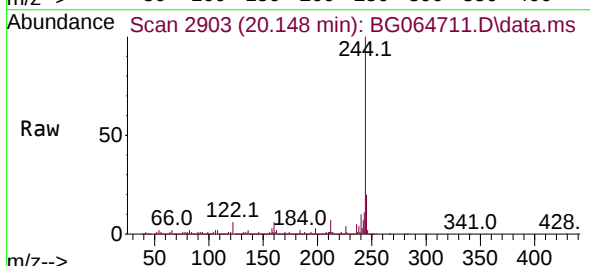
Tgt Ion:244 Resp: 1385592

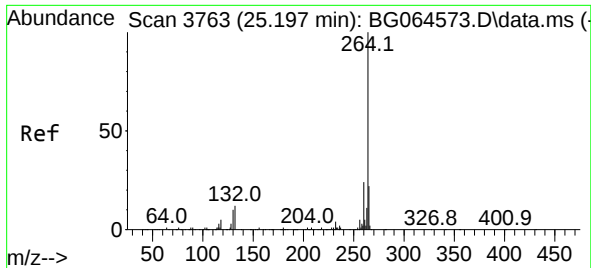
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

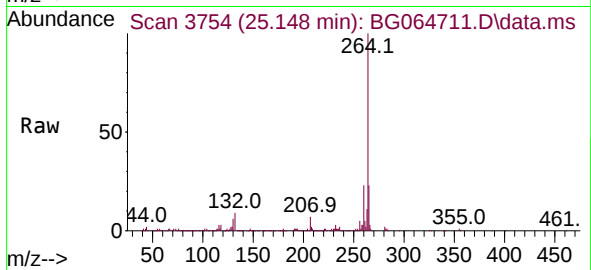
122 5.8 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.148 min Scan# 31
 Delta R.T. -0.049 min
 Lab File: BG064711.D
 Acq: 6 Nov 2025 20:33

Instrument :
 BNA_G
 ClientSampleId :
 MW-6



Tgt Ion:264 Resp: 321269
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.4
 265 22.6 17.6 26.4

