

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064614.D
 Acq On : 28 Oct 2025 23:20
 Operator : RC/JU
 Sample : Q3460-17 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-5

Quant Time: Oct 29 01:00:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

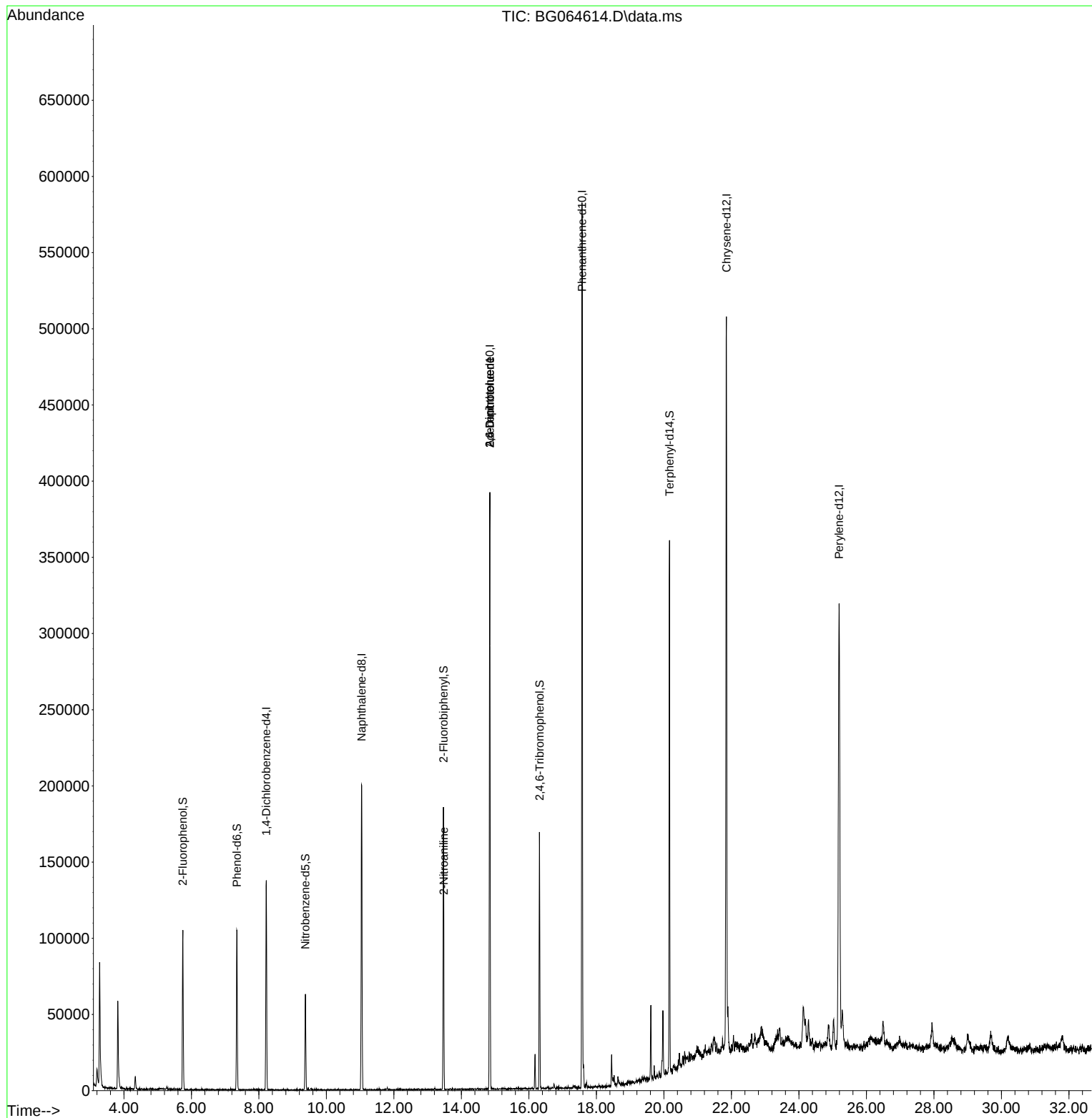
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	38929	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	159793	20.000	ng	0.00
39) Acenaphthene-d10	14.841	164	141528	20.000	ng	0.00
64) Phenanthrene-d10	17.573	188	365617	20.000	ng	0.00
76) Chrysene-d12	21.850	240	316306	20.000	ng	-0.01
86) Perylene-d12	25.187	264	344008	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.745	112	41823	18.033	ng	0.00
7) Phenol-d6	7.349	99	56079	17.621	ng	0.00
23) Nitrobenzene-d5	9.376	82	32337	12.155	ng	-0.01
42) 2,4,6-Tribromophenol	16.315	330	35142	17.204	ng	0.00
45) 2-Fluorobiphenyl	13.466	172	96509	10.336	ng	-0.01
79) Terphenyl-d14	20.164	244	177616	10.597	ng	-0.01
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.477	65	59	3.246	ng	# 20
51) 2,6-Dinitrotoluene	14.841	165	18112	12.655	ng	# 17
57) 2,4-Dinitrotoluene	14.841	165	18112	9.190	ng	# 20

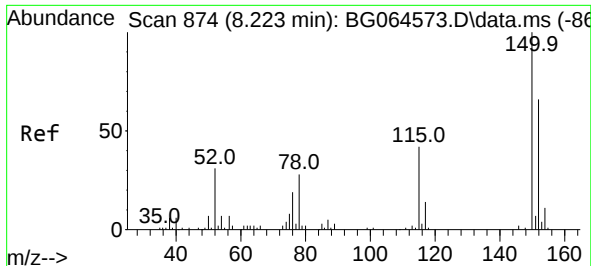
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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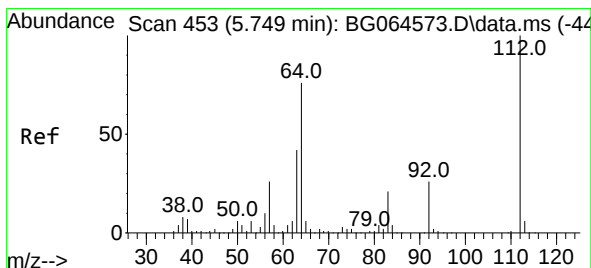
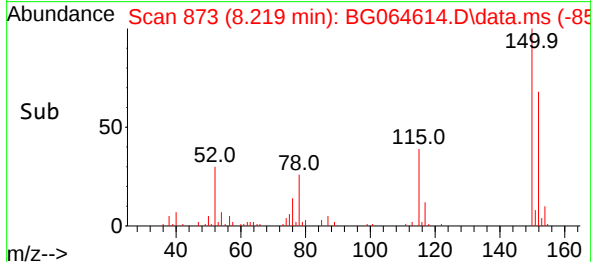
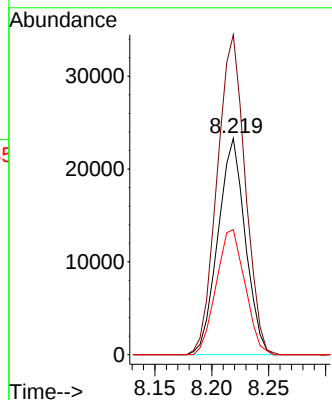
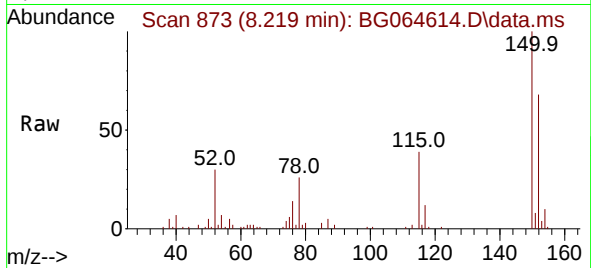




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

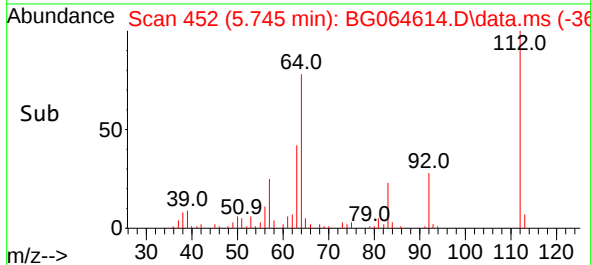
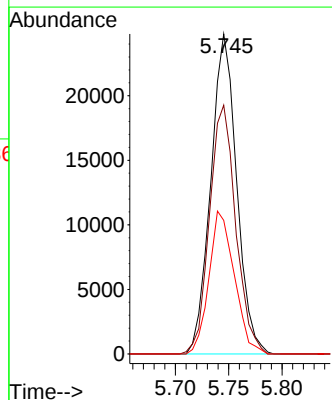
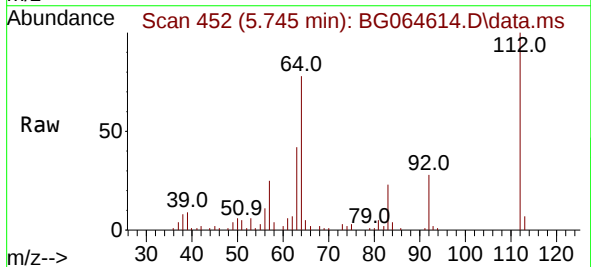
Instrument :
BNA_G
ClientSampleId :
WC-5

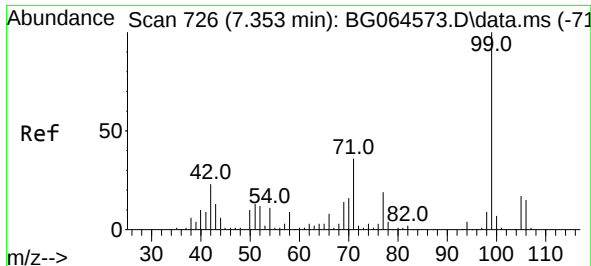
Tgt Ion:152 Resp: 38929
Ion Ratio Lower Upper
152 100
150 147.9 122.2 183.4
115 57.9 50.8 76.2



#5
2-Fluorophenol
Concen: 18.033 ng
RT: 5.745 min Scan# 452
Delta R.T. -0.002 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

Tgt Ion:112 Resp: 41823
Ion Ratio Lower Upper
112 100
64 77.8 60.7 91.1
63 41.7 33.4 50.0

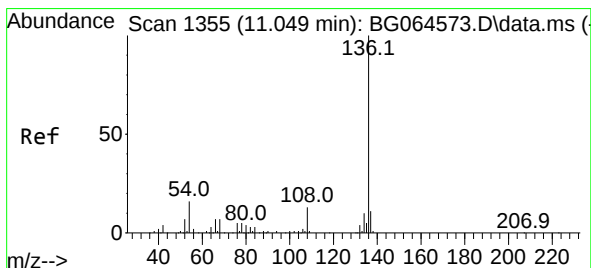
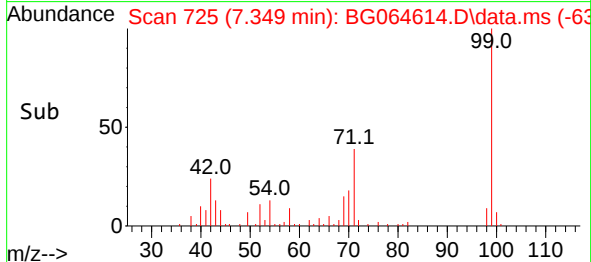
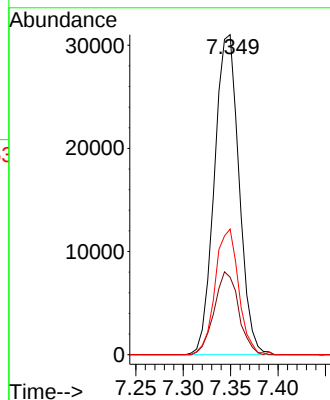
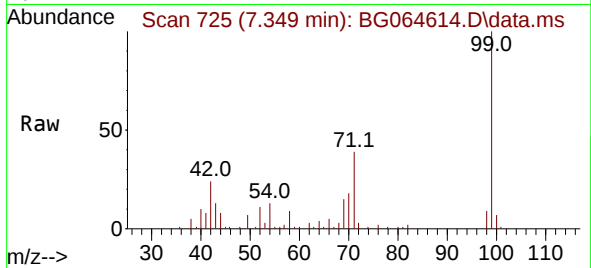




#7
Phenol-d6
Concen: 17.621 ng
RT: 7.349 min Scan# 71
Delta R.T. -0.007 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

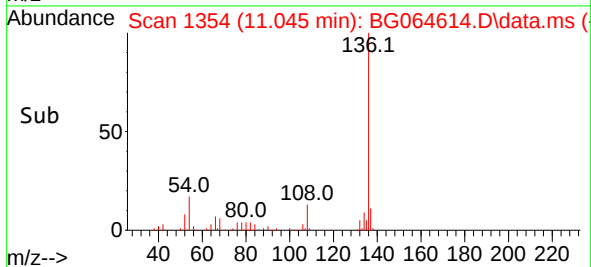
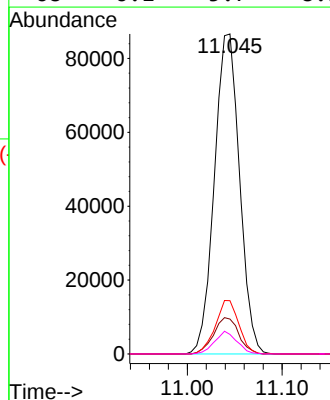
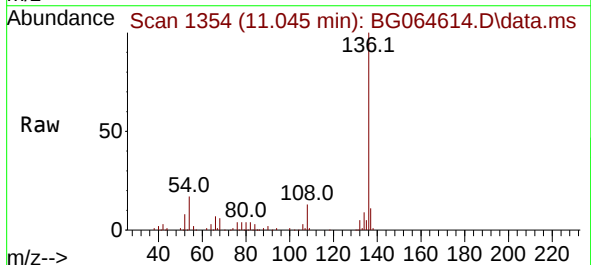
Instrument :
BNA_G
ClientSampleId :
WC-5

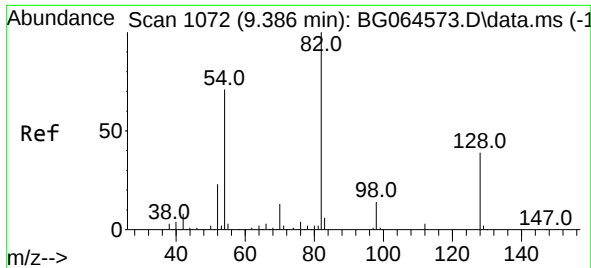
Tgt Ion: 99 Resp: 56079
Ion Ratio Lower Upper
99 100
42 24.2 18.3 27.5
71 39.3 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1354
Delta R.T. -0.007 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

Tgt Ion:136 Resp: 159793
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 16.7 12.6 19.0
68 6.1 5.7 8.5

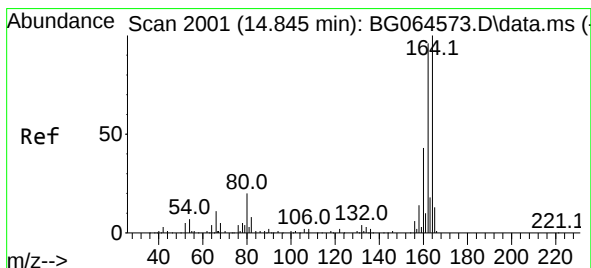
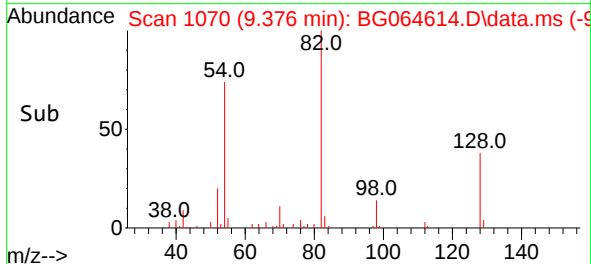
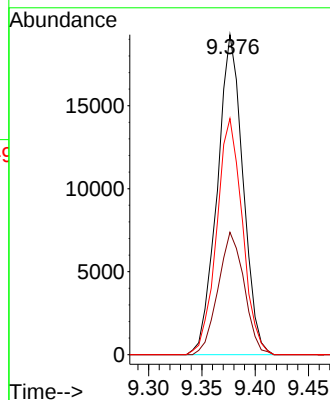
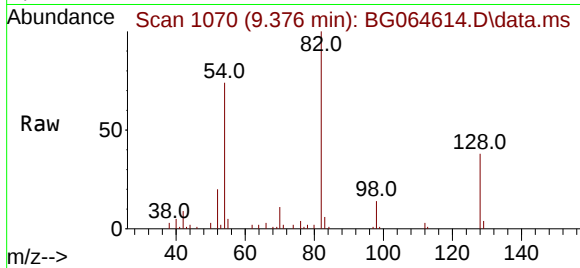




#23
Nitrobenzene-d5
Concen: 12.155 ng
RT: 9.376 min Scan# 1072
Delta R.T. -0.014 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

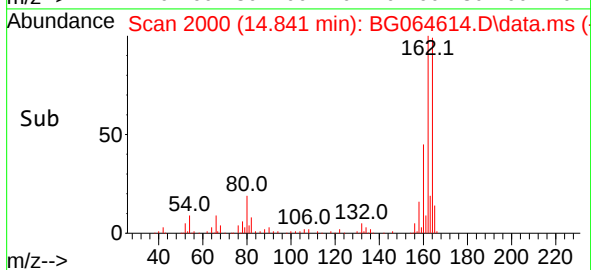
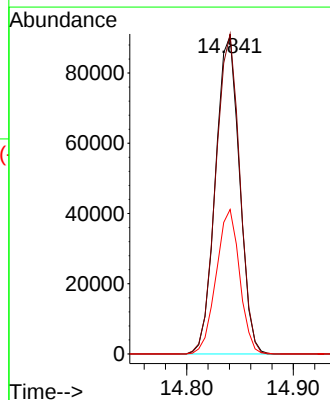
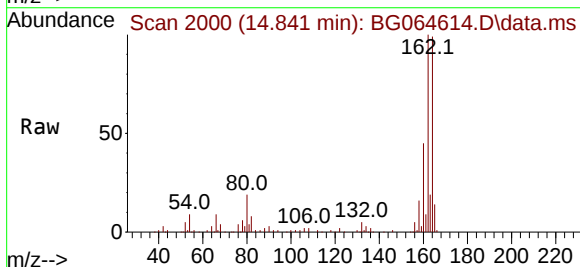
Instrument :
BNA_G
ClientSampleId :
WC-5

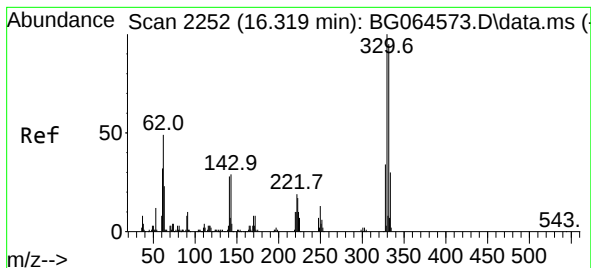
Tgt Ion: 82 Resp: 32337
Ion Ratio Lower Upper
82 100
128 38.3 31.3 46.9
54 73.8 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2000
Delta R.T. -0.002 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

Tgt Ion:164 Resp: 141528
Ion Ratio Lower Upper
164 100
162 100.7 77.0 115.6
160 45.5 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 17.204 ng

RT: 16.315 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG064614.D

Acq: 28 Oct 2025 23:20

Instrument :

BNA_G

ClientSampleId :

WC-5

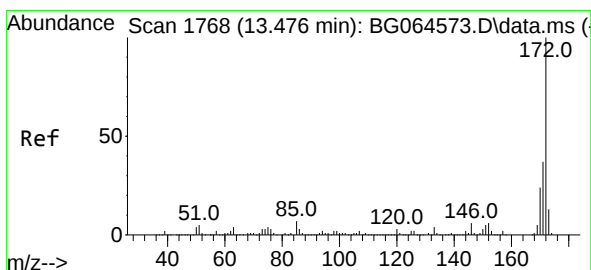
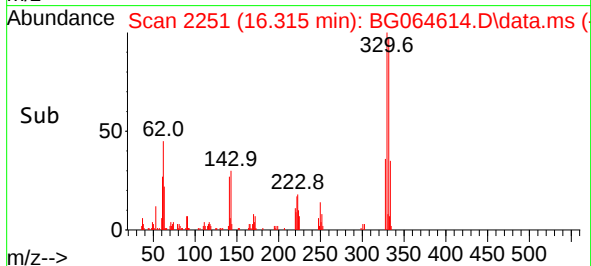
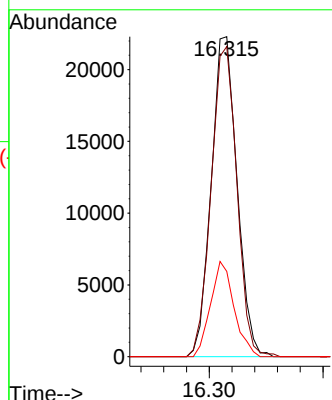
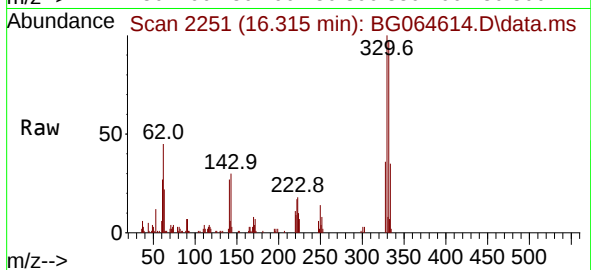
Tgt Ion:330 Resp: 35142

Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

141 27.1 21.8 32.6



#45

2-Fluorobiphenyl

Concen: 10.336 ng

RT: 13.466 min Scan# 1766

Delta R.T. -0.013 min

Lab File: BG064614.D

Acq: 28 Oct 2025 23:20

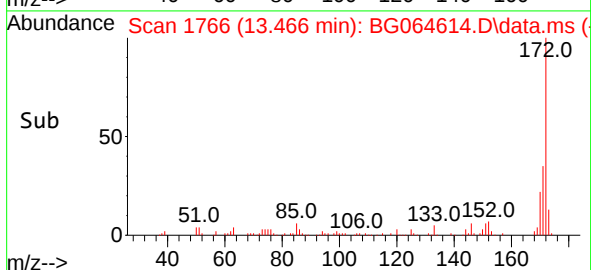
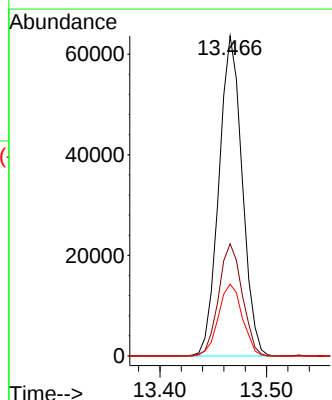
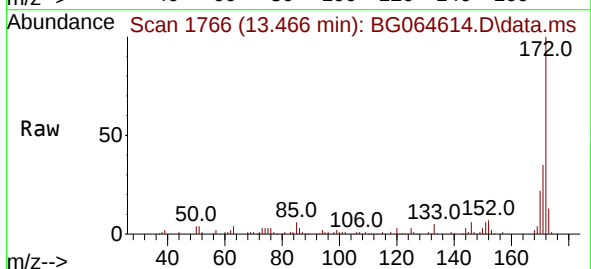
Tgt Ion:172 Resp: 96509

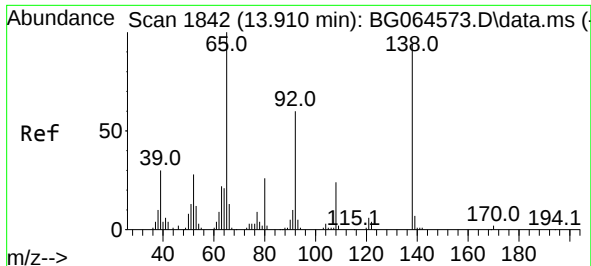
Ion Ratio Lower Upper

172 100

171 35.1 29.4 44.0

170 22.5 19.1 28.7

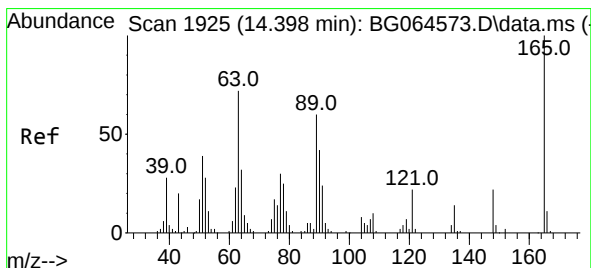
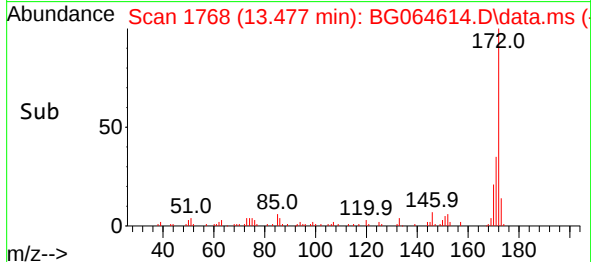
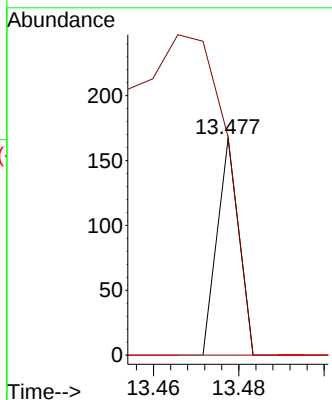
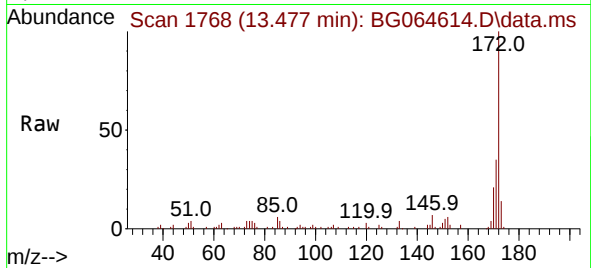




#48
2-Nitroaniline
Concen: 3.246 ng
RT: 13.477 min Scan# 11
Delta R.T. -0.437 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

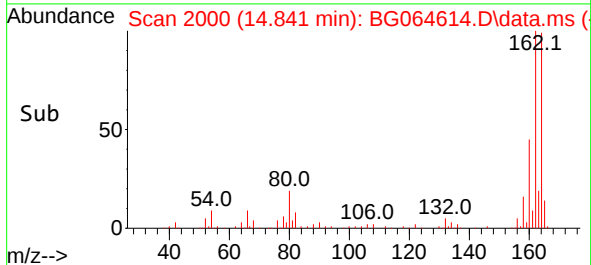
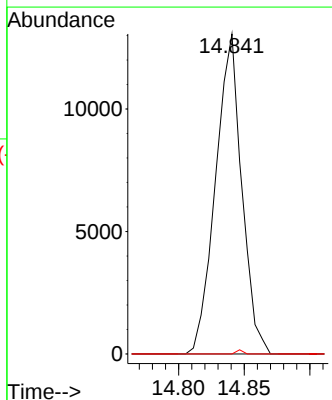
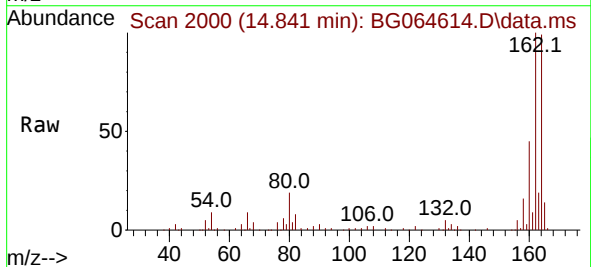
Instrument :
BNA_G
ClientSampleId :
WC-5

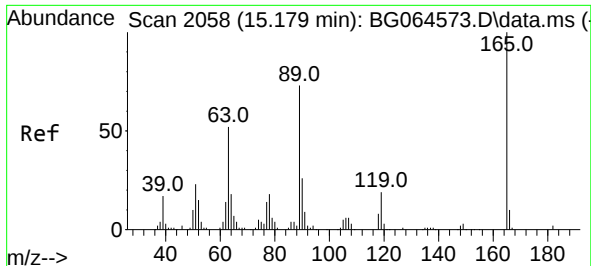
Tgt Ion: 65 Resp: 59
Ion Ratio Lower Upper
65 100
92 100.6 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.655 ng
RT: 14.841 min Scan# 2000
Delta R.T. 0.439 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

Tgt Ion:165 Resp: 18112
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#

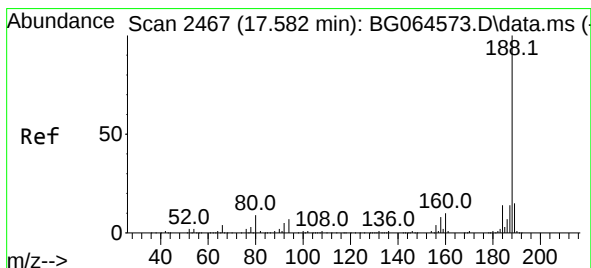
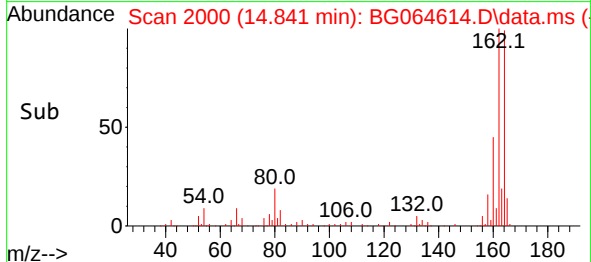
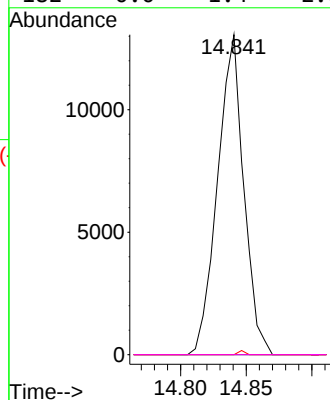
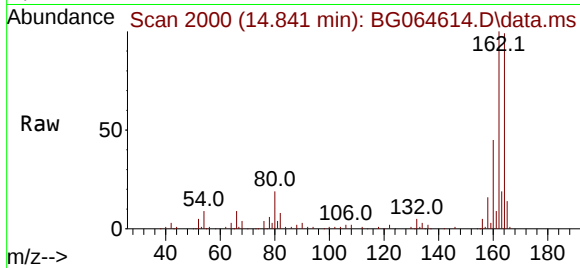




#57
2,4-Dinitrotoluene
Concen: 9.190 ng
RT: 14.841 min Scan# 20
Delta R.T. -0.348 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

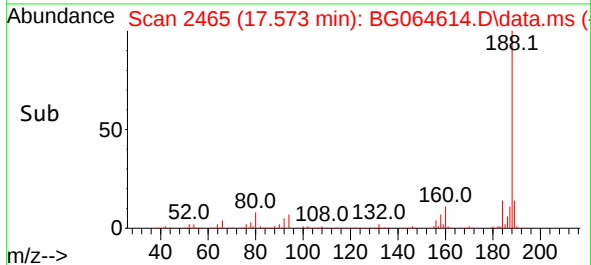
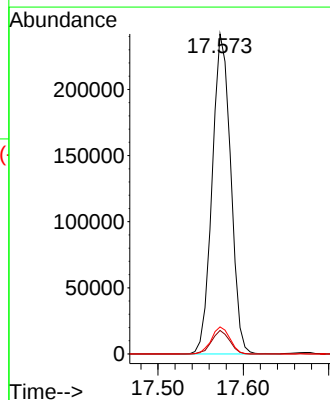
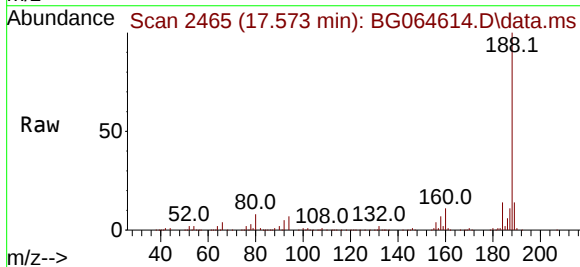
Instrument :
BNA_G
ClientSampleId :
WC-5

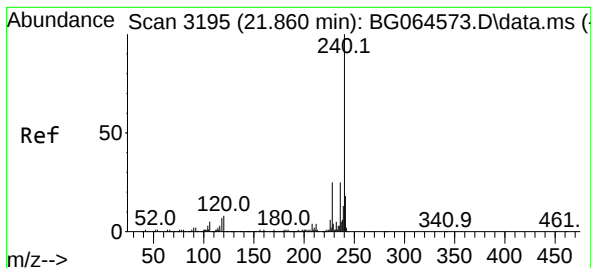
Tgt Ion:165 Resp: 18112
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.573 min Scan# 2465
Delta R.T. -0.007 min
Lab File: BG064614.D
Acq: 28 Oct 2025 23:20

Tgt Ion:188 Resp: 365617
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.4 6.8 10.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.850 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG064614.D

Acq: 28 Oct 2025 23:20

Instrument :

BNA_G

ClientSampleId :

WC-5

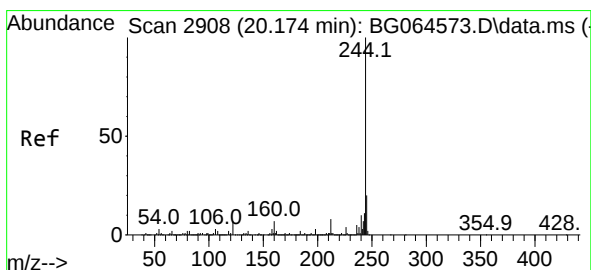
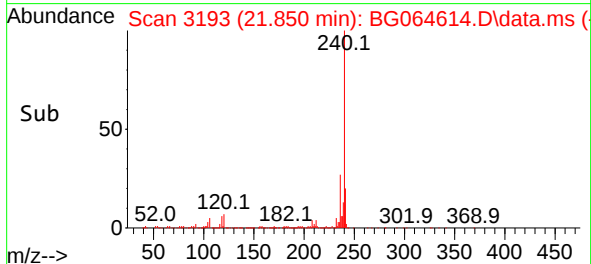
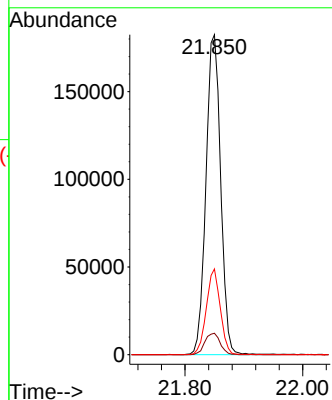
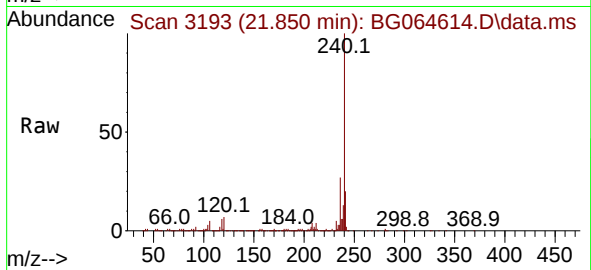
Tgt Ion:240 Resp: 316306

Ion Ratio Lower Upper

240 100

120 6.7 6.5 9.7

236 26.8 20.2 30.2



#79

Terphenyl-d14

Concen: 10.597 ng

RT: 20.164 min Scan# 2906

Delta R.T. -0.013 min

Lab File: BG064614.D

Acq: 28 Oct 2025 23:20

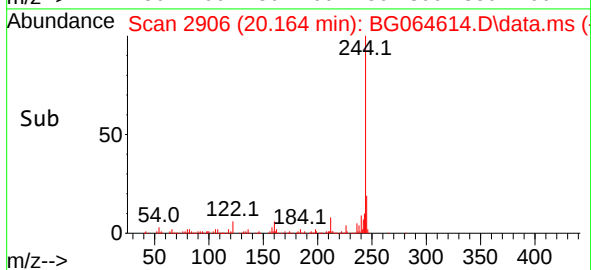
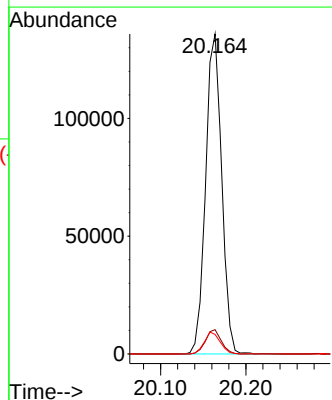
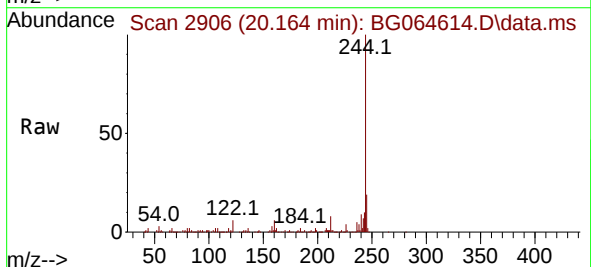
Tgt Ion:244 Resp: 177616

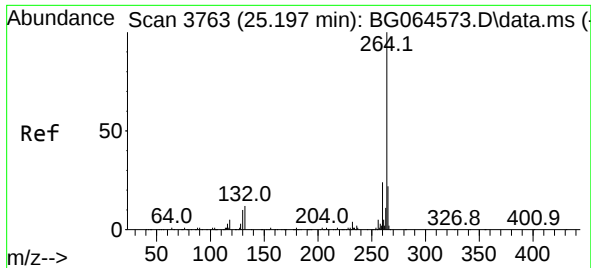
Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 6.1 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.187 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: BG064614.D
 Acq: 28 Oct 2025 23:20

Instrument :
 BNA_G
 ClientSampleId :
 WC-5

Tgt Ion:264 Resp: 344008
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.0 28.4
 265 22.0 17.6 26.4

