

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064664.D
 Acq On : 31 Oct 2025 20:19
 Operator : RC/JU
 Sample : Q3503-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 322

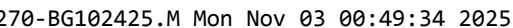
Quant Time: Oct 31 23:29:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

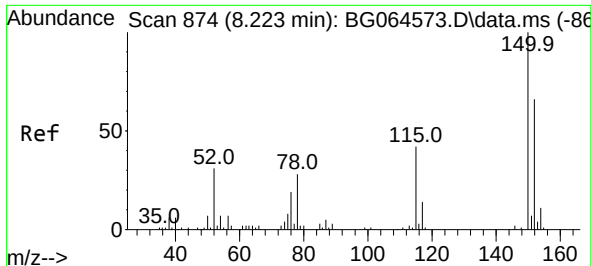
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	44569	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	161180	20.000	ng	# 0.00
39) Acenaphthene-d10	14.846	164	122183	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	244237	20.000	ng	0.00
76) Chrysene-d12	21.867	240	254100	20.000	ng	0.00
86) Perylene-d12	25.227	264	288731	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	149773	56.405	ng	0.00
7) Phenol-d6	7.360	99	217423	59.672	ng	0.00
23) Nitrobenzene-d5	9.381	82	153296	57.125	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	106400	60.336	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	391667	48.588	ng	0.00
79) Terphenyl-d14	20.175	244	621554	46.162	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.103	128	74632	8.351	ng	# 80
37) 2-Methylnaphthalene	12.695	142	83454	12.720	ng	95
38) 1-Methylnaphthalene	12.912	142	49692	7.697	ng	# 97
46) 1,1'-Biphenyl	13.682	154	22505	2.591	ng	95
74) Di-n-butylphthalate	18.529	149	99432	7.177	ng	# 94
84) Bis(2-ethylhexyl)phtha...	21.749	149	517061	68.964	ng	# 95

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

Quant Time: Oct 31 23:29:08 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

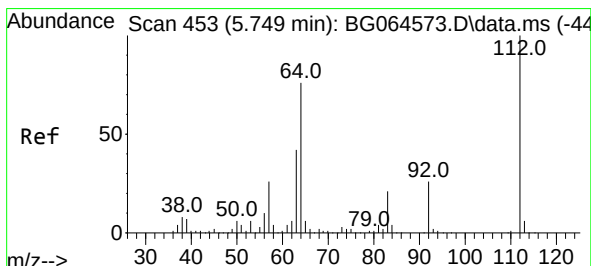
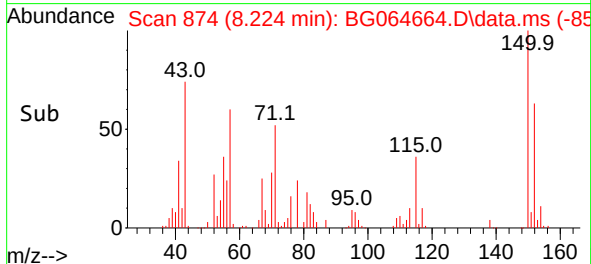
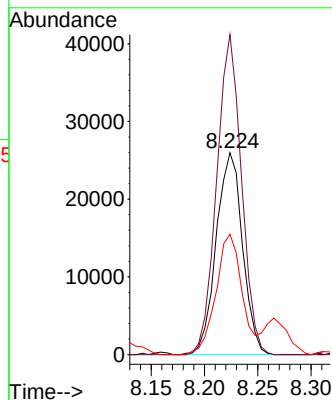
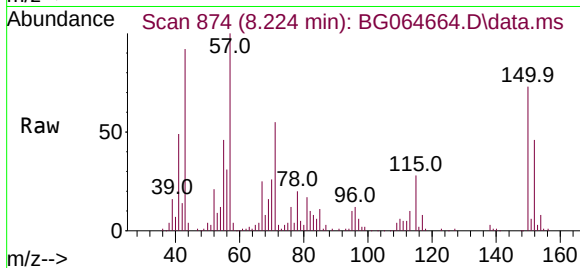




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

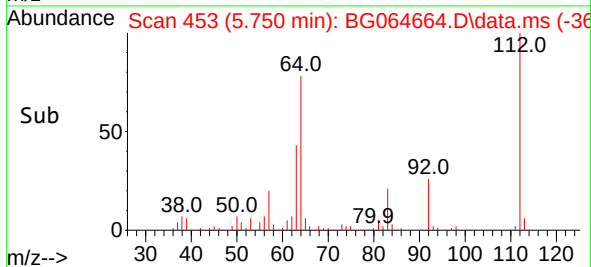
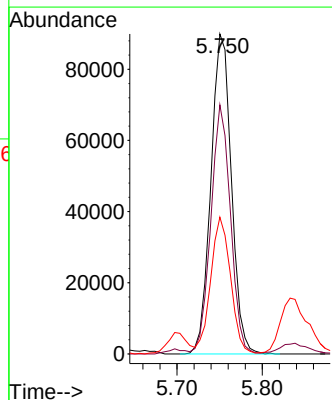
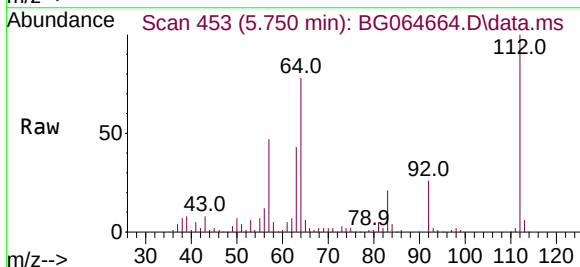
Instrument :
BNA_G
ClientSampleId :
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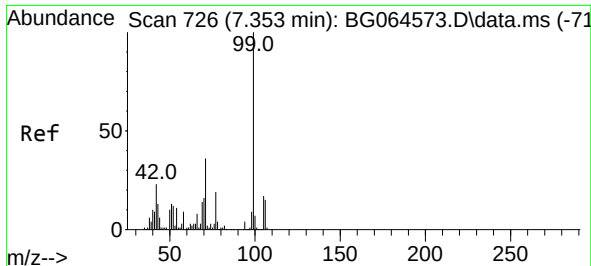
Tgt Ion:152 Resp: 44569
Ion Ratio Lower Upper
152 100
150 158.6 122.2 183.4
115 59.6 50.8 76.2



#5
2-Fluorophenol
Concen: 56.405 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:112 Resp: 149773
Ion Ratio Lower Upper
112 100
64 77.8 60.7 91.1
63 42.7 33.4 50.0

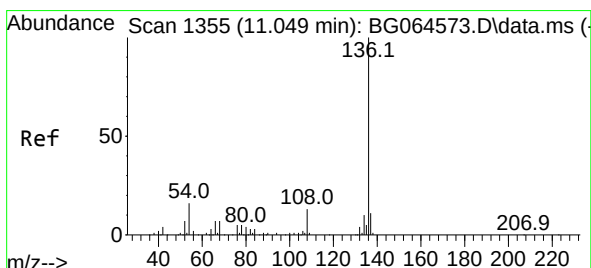
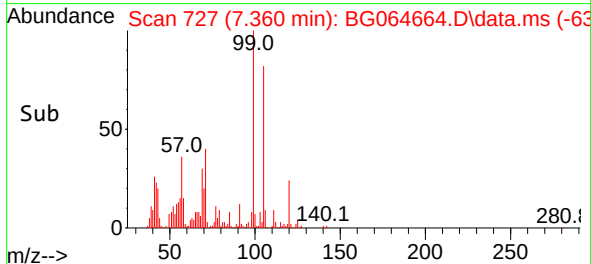
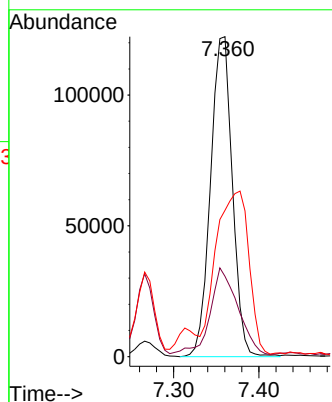
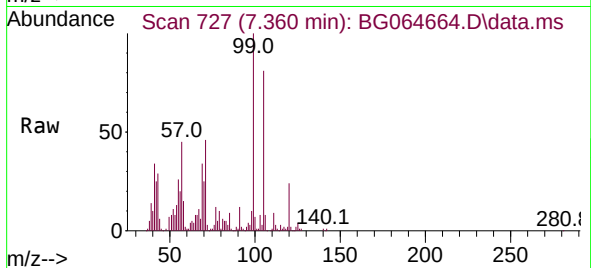




#7
Phenol-d6
Concen: 59.672 ng
RT: 7.360 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

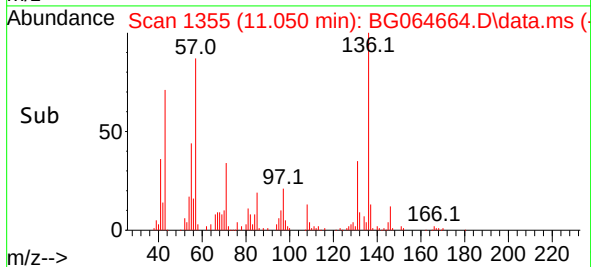
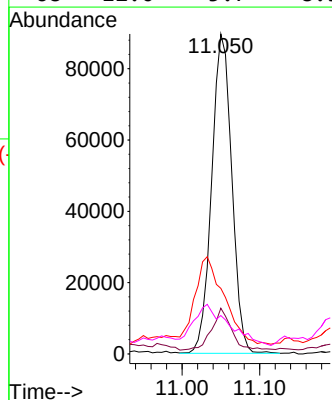
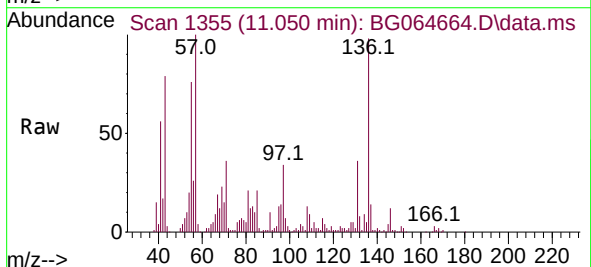
Instrument :
BNA_G
ClientSampleId :
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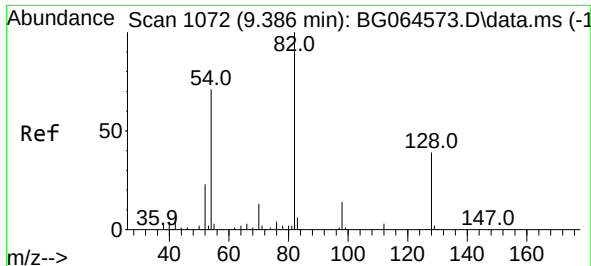
Tgt Ion: 99 Resp: 217423
Ion Ratio Lower Upper
99 100
42 25.1 18.3 27.5
71 45.7 28.6 43.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1355
Delta R.T. -0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion: 136 Resp: 161180
Ion Ratio Lower Upper
136 100
137 14.3 9.2 13.8#
54 20.5 12.6 19.0#
68 12.0 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 57.125 ng

RT: 9.381 min Scan# 1071

Delta R.T. -0.009 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

Instrument :

BNA_G

ClientSampleId :

322

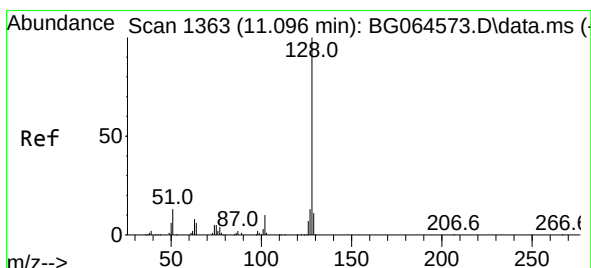
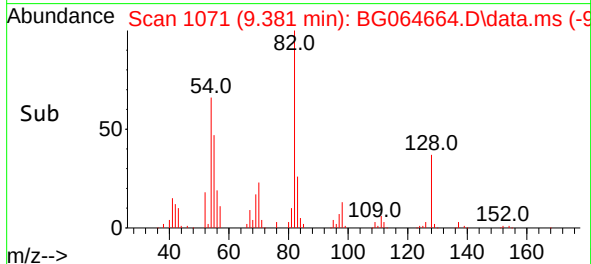
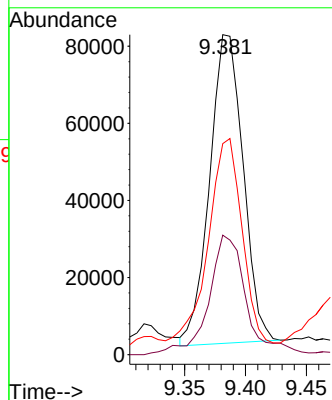
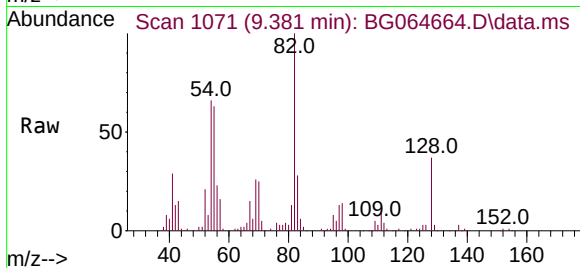
Tgt Ion: 82 Resp: 153296

Ion Ratio Lower Upper

82 100

128 37.3 31.3 46.9

54 65.9 56.6 84.8



#31

Naphthalene

Concen: 8.351 ng

RT: 11.103 min Scan# 1364

Delta R.T. 0.003 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

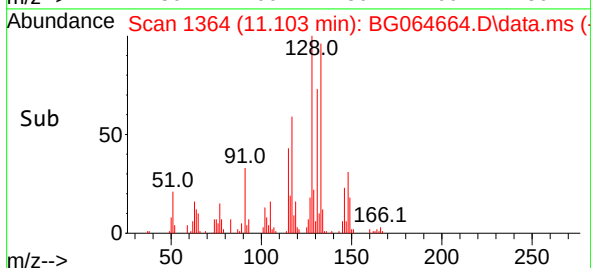
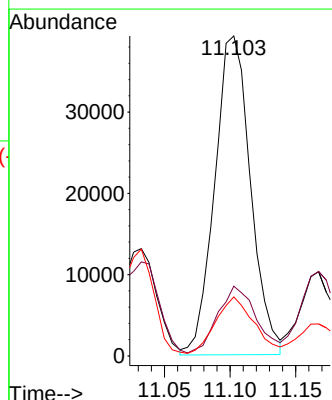
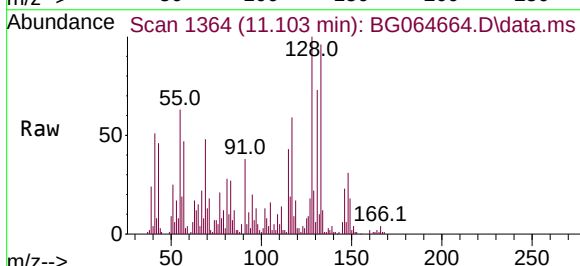
Tgt Ion:128 Resp: 74632

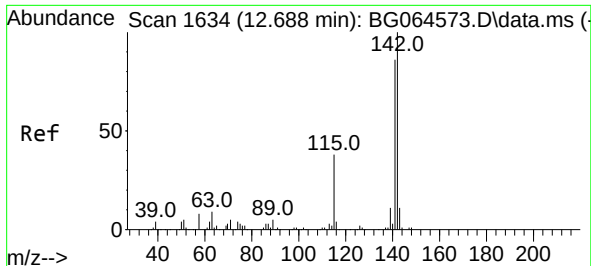
Ion Ratio Lower Upper

128 100

129 21.8 8.8 13.2#

127 18.4 10.6 15.8#

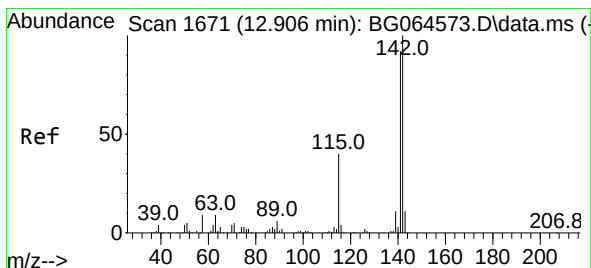
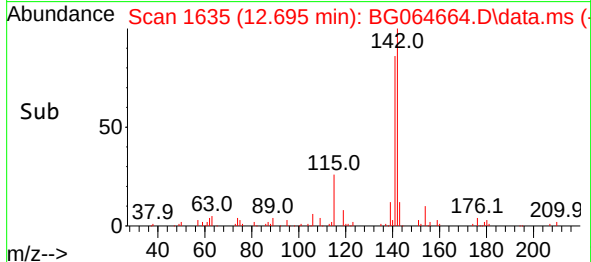
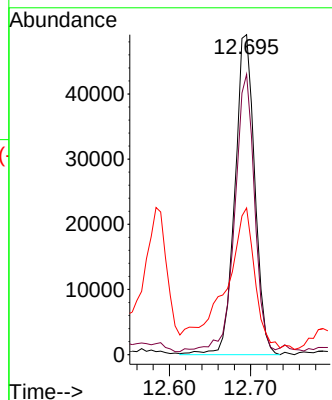
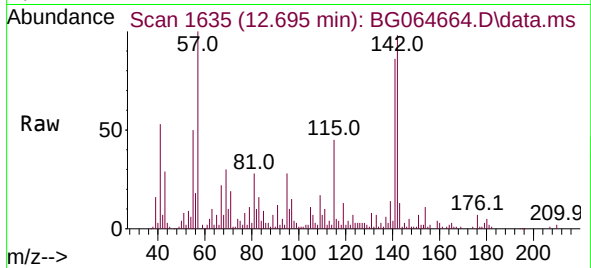




#37
2-Methylnaphthalene
Concen: 12.720 ng
RT: 12.695 min Scan# 1635
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

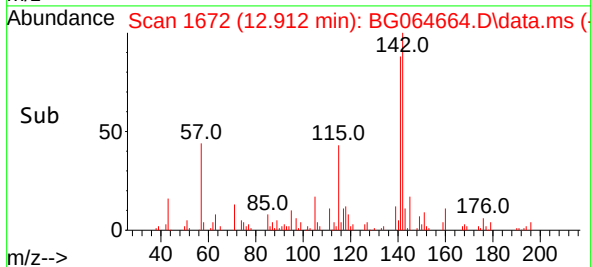
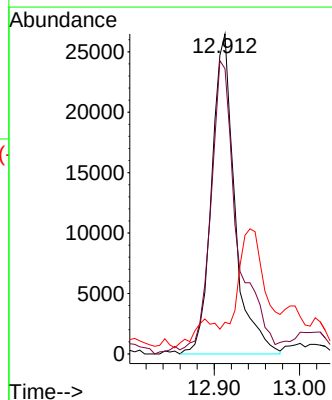
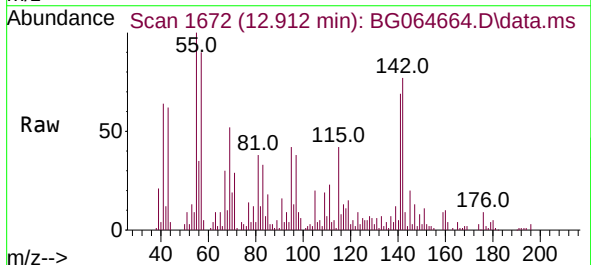
Instrument :
BNA_G
ClientSampleId :
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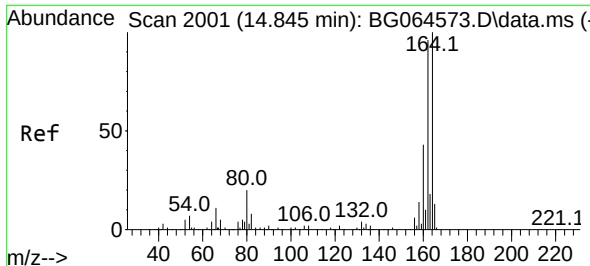
Tgt Ion:142 Resp: 83454
Ion Ratio Lower Upper
142 100
141 87.6 68.9 103.3
115 45.8 30.6 46.0



#38
1-Methylnaphthalene
Concen: 7.697 ng
RT: 12.912 min Scan# 1672
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:142 Resp: 49692
Ion Ratio Lower Upper
142 100
141 89.1 73.3 109.9
116 9.9 3.1 4.7#

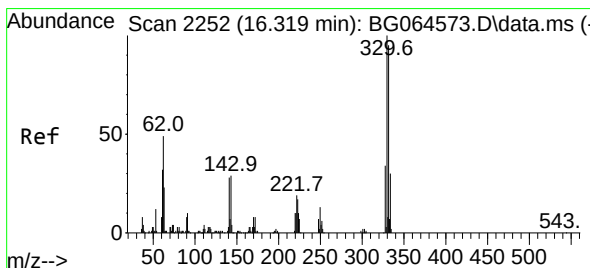
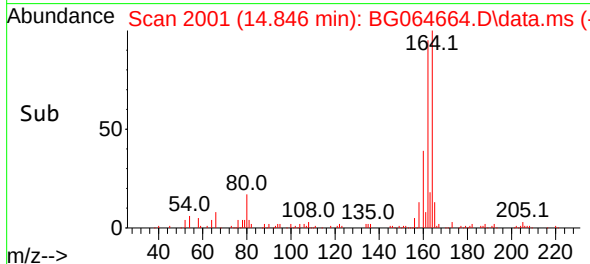
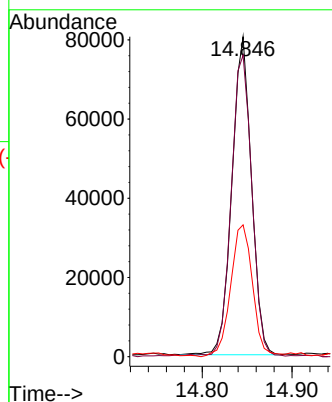
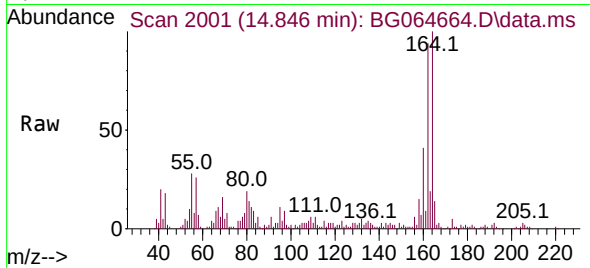




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 2001
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

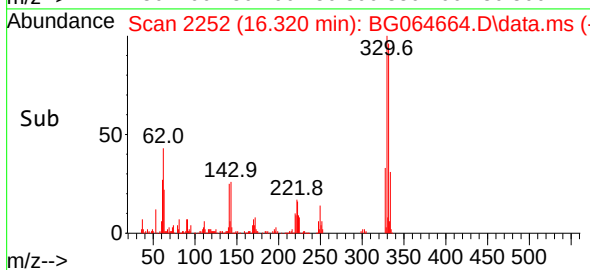
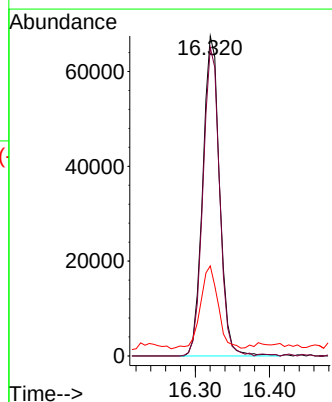
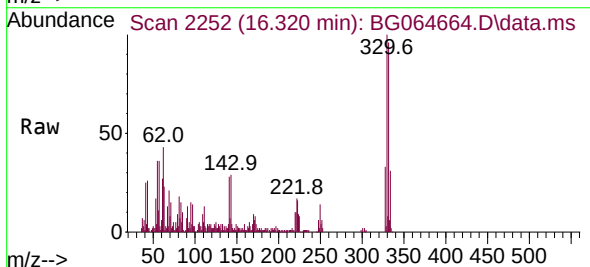
Instrument :
BNA_G
ClientSampleId :
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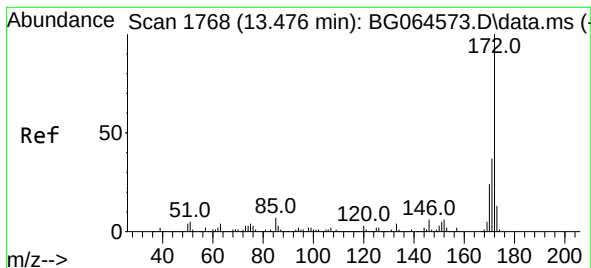
Tgt Ion:164 Resp: 122183
Ion Ratio Lower Upper
164 100
162 94.2 77.0 115.6
160 41.2 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 60.336 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:330 Resp: 106400
Ion Ratio Lower Upper
330 100
332 95.1 78.0 117.0
141 27.1 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 48.588 ng

RT: 13.471 min Scan# 1767

Delta R.T. -0.008 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

Instrument :

BNA_G

ClientSampleId :

322

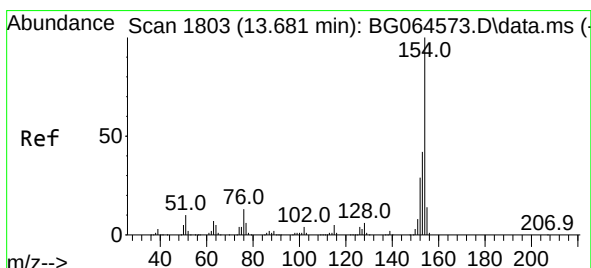
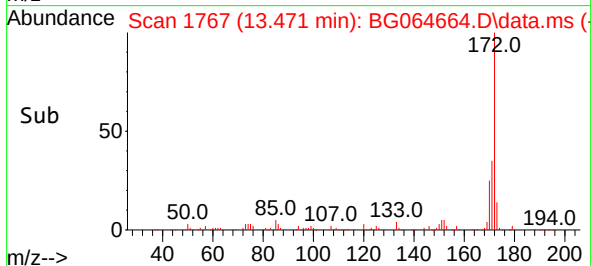
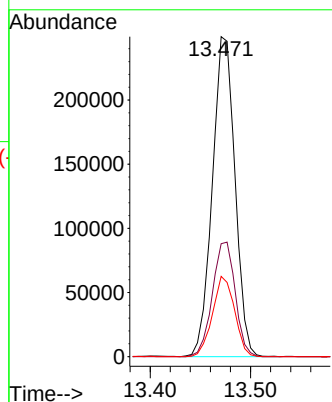
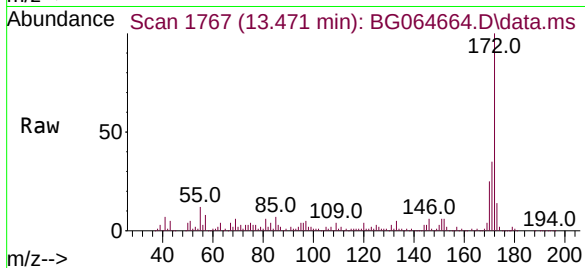
Tgt Ion:172 Resp: 391667

Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 25.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 2.591 ng

RT: 13.682 min Scan# 1803

Delta R.T. -0.003 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

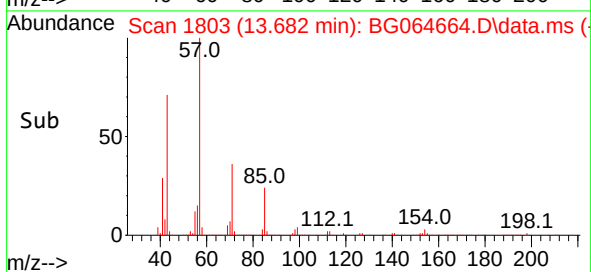
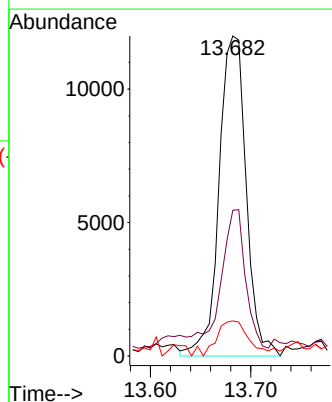
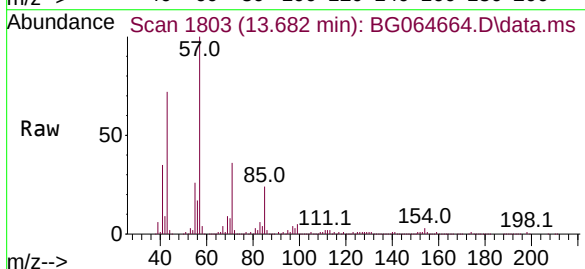
Tgt Ion:154 Resp: 22505

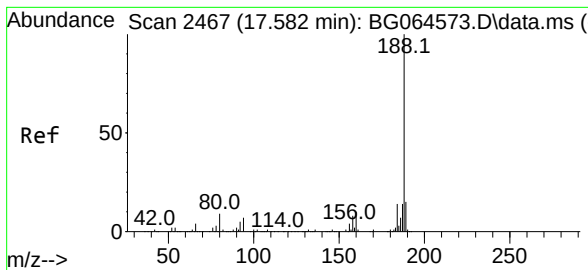
Ion Ratio Lower Upper

154 100

153 45.5 22.4 62.4

76 10.9 0.0 33.5

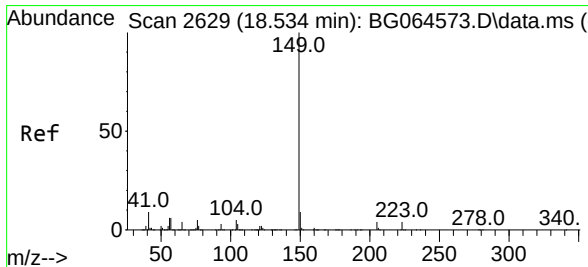
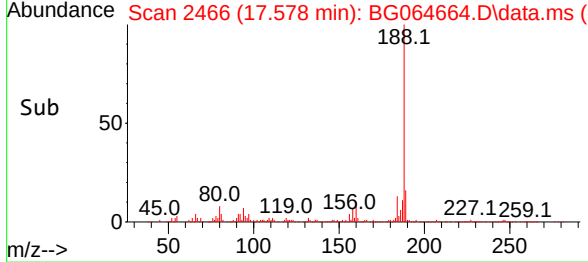
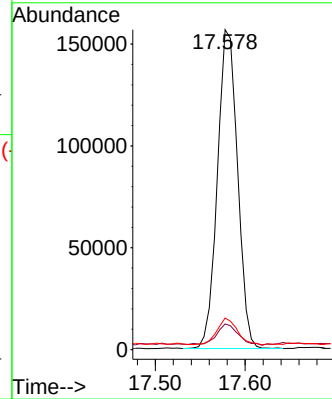
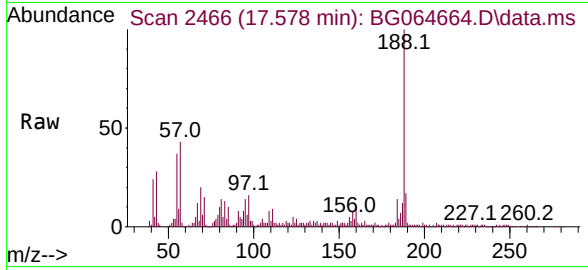




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

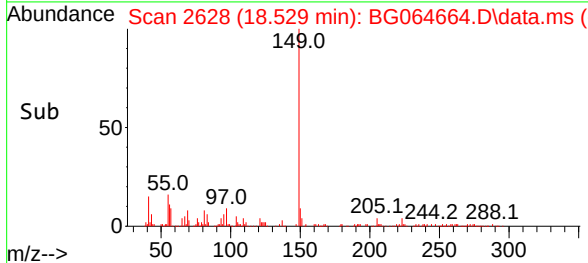
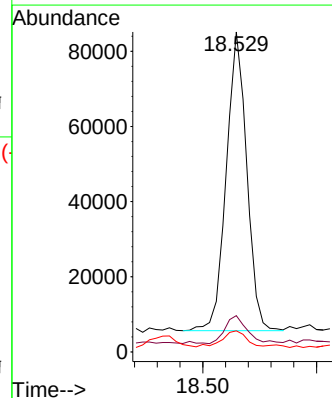
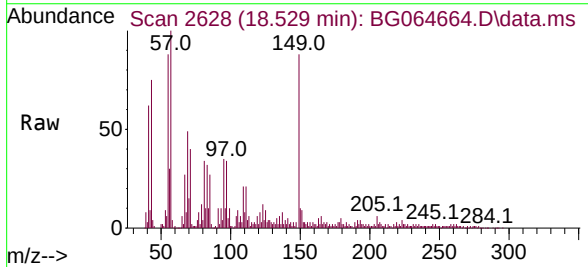
Instrument :
BNA_G
ClientSampleId :
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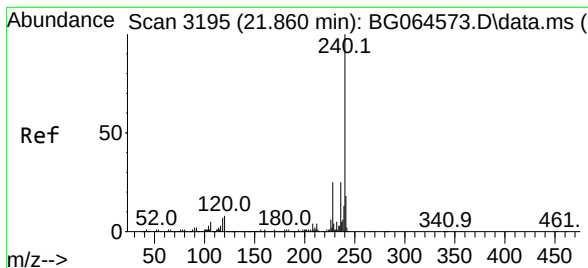
Tgt Ion:188 Resp: 244237
Ion Ratio Lower Upper
188 100
94 8.0 5.7 8.5
80 9.9 6.8 10.2



#74
Di-n-butylphthalate
Concen: 7.177 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.008 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:149 Resp: 99432
Ion Ratio Lower Upper
149 100
150 11.3 7.0 10.6#
104 6.6 4.1 6.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.867 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

Instrument :

BNA_G

ClientSampleId :

322

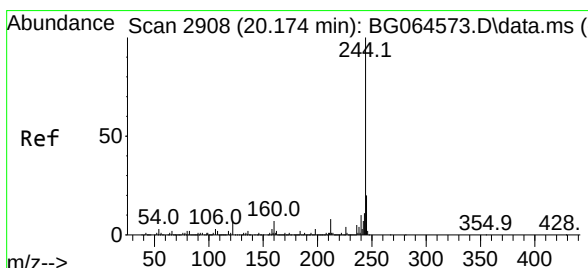
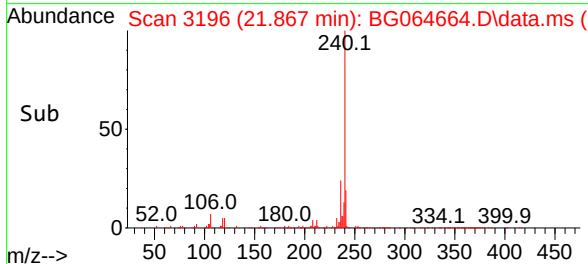
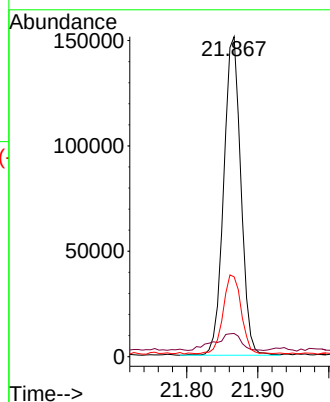
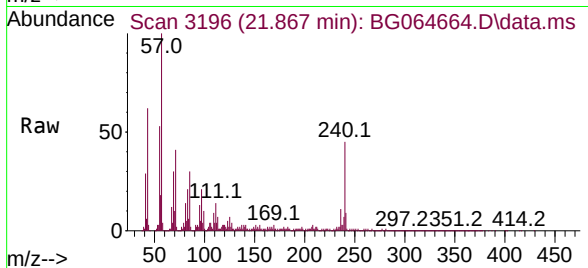
Tgt Ion:240 Resp: 254100

Ion Ratio Lower Upper

240 100

120 7.3 6.5 9.7

236 24.9 20.2 30.2



#79

Terphenyl-d14

Concen: 46.162 ng

RT: 20.175 min Scan# 2908

Delta R.T. -0.003 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

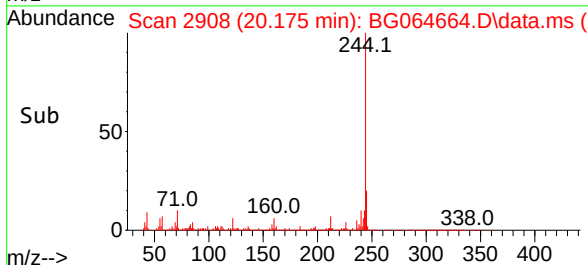
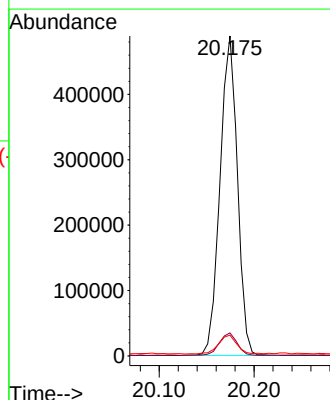
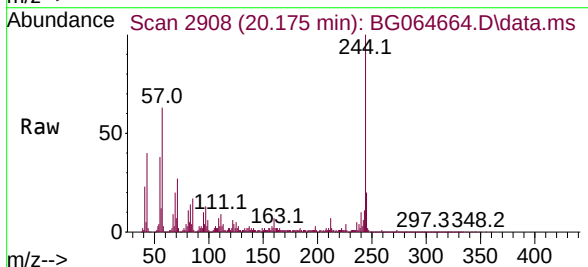
Tgt Ion:244 Resp: 621554

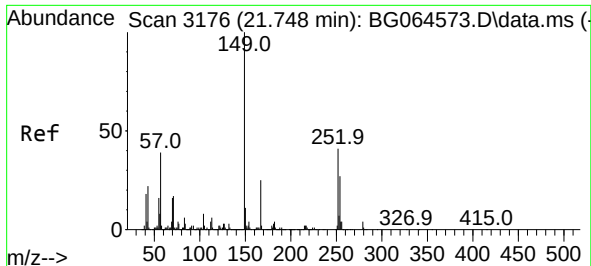
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 6.5 5.6 8.4

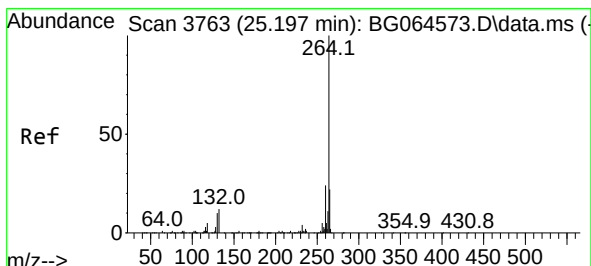
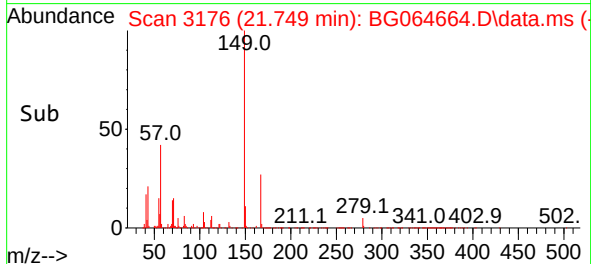
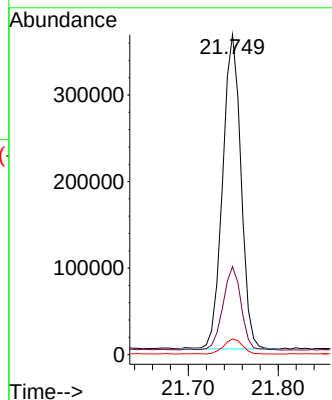
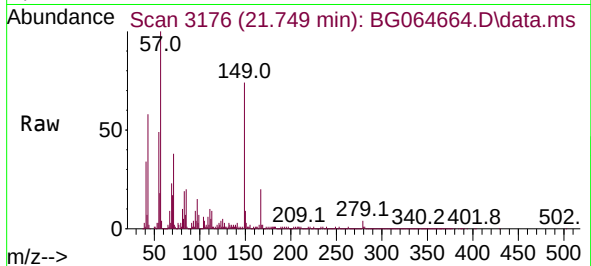




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 68.964 ng
 RT: 21.749 min Scan# 3176
 Delta R.T. -0.003 min
 Lab File: BG064664.D
 Acq: 31 Oct 2025 20:19

Instrument :
 BNA_G
 ClientSampleId :
 322

Tgt Ion:149 Resp: 517061
 Ion Ratio Lower Upper
 149 100
 167 27.5 20.0 30.0
 279 4.9 3.1 4.7#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.227 min Scan# 3768
 Delta R.T. 0.027 min
 Lab File: BG064664.D
 Acq: 31 Oct 2025 20:19

Tgt Ion:264 Resp: 288731
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.4
 265 20.8 17.6 26.4

