

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064532.D
 Acq On : 17 Oct 2025 12:22
 Operator : RC/JU
 Sample : PB170122BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170122BL

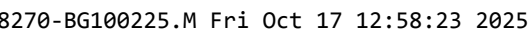
Quant Time: Oct 17 12:58:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

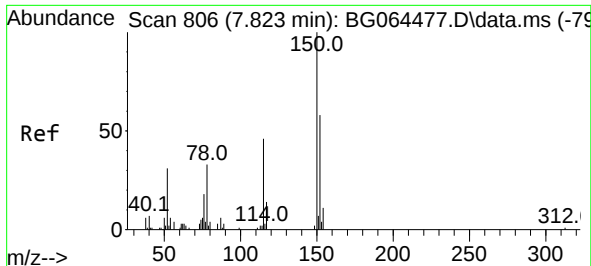
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	14269	20.000	ng	0.00
21) Naphthalene-d8	10.603	136	58429	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	47096	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	125472	20.000	ng	0.00
76) Chrysene-d12	21.414	240	136842	20.000	ng	0.00
86) Perylene-d12	24.393	264	148845	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.409	112	122155	158.434	ng	0.00
7) Phenol-d6	6.996	99	150848	145.590	ng	0.00
23) Nitrobenzene-d5	8.970	82	106599	98.099	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	134479	157.528	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	303823	95.090	ng	0.00
79) Terphenyl-d14	19.810	244	723837	100.105	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.970	70	16862	24.334	ng	# 68
51) 2,6-Dinitrotoluene	14.446	165	6428	8.366	ng	# 14
57) 2,4-Dinitrotoluene	14.446	165	6428	5.472	ng	# 24
67) 4-Bromophenyl-phenylether	15.938	248	9494	6.430	ng	# 1
77) Benzydine	19.810	184	14707	4.319	ng	# 91

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

Quant Time: Oct 17 12:58:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

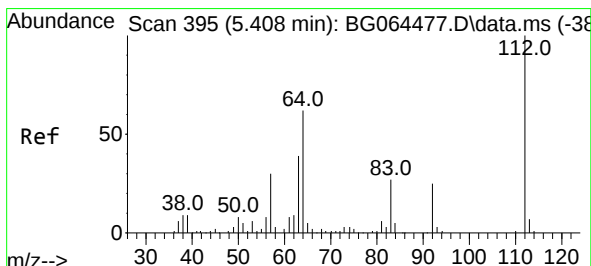
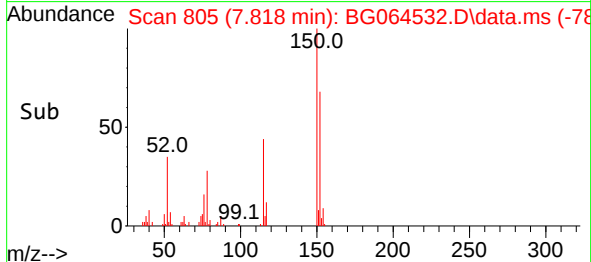
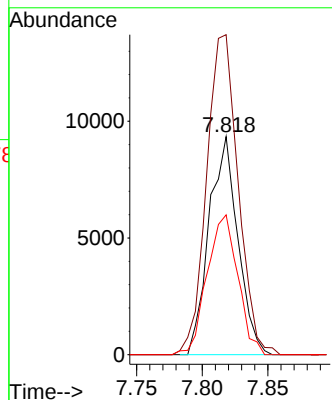
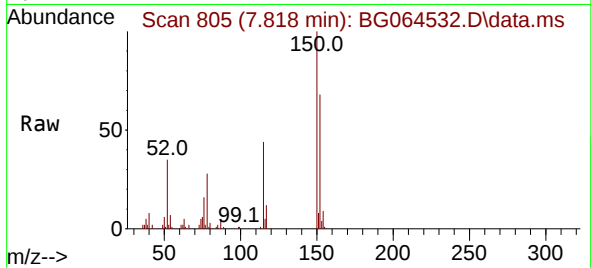




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 806
Delta R.T. -0.002 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

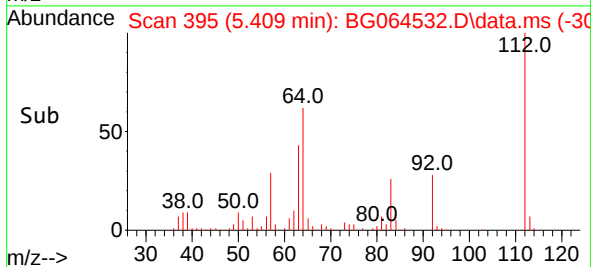
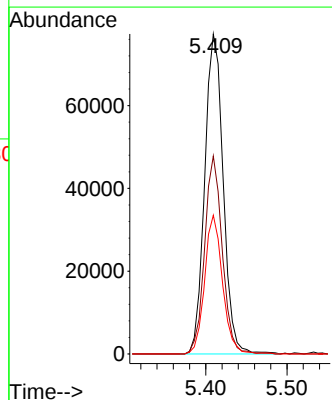
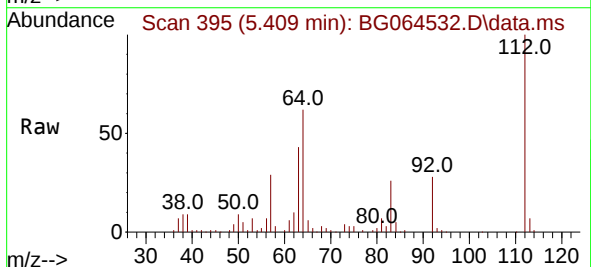
Instrument :
BNA_G
ClientSampleId :
PB170122BL

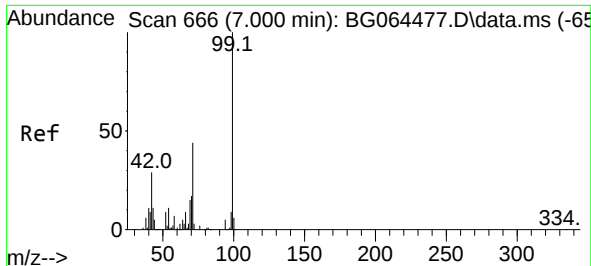
Tgt Ion:152 Resp: 14269
Ion Ratio Lower Upper
152 100
150 146.8 138.6 207.8
115 64.1 63.4 95.2



#5
2-Fluorophenol
Concen: 158.434 ng
RT: 5.409 min Scan# 395
Delta R.T. 0.004 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

Tgt Ion:112 Resp: 122155
Ion Ratio Lower Upper
112 100
64 61.9 49.8 74.8
63 43.3 31.3 46.9

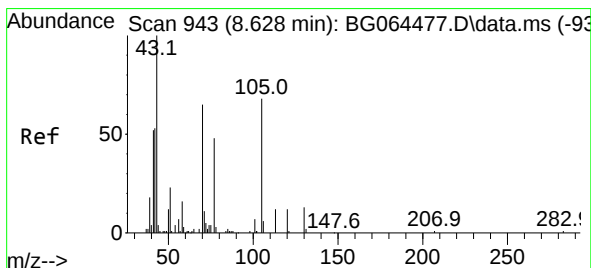
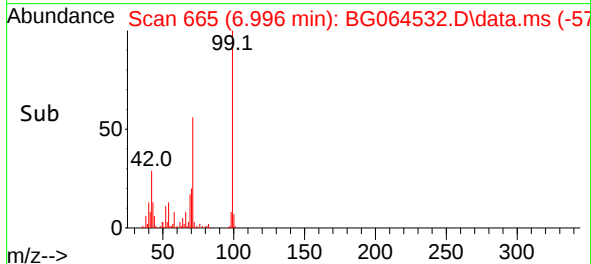
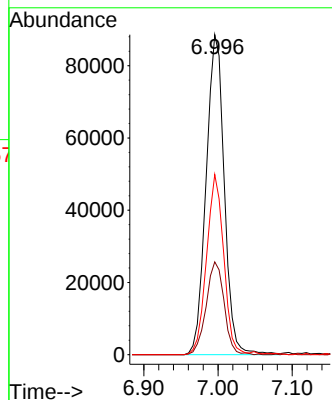
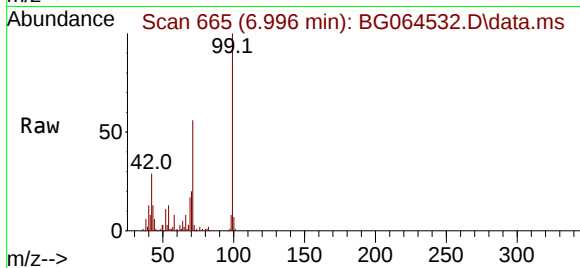




#7
Phenol-d6
Concen: 145.590 ng
RT: 6.996 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

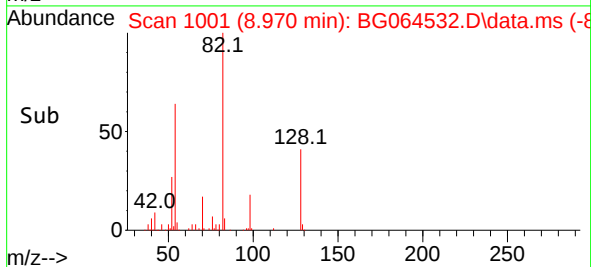
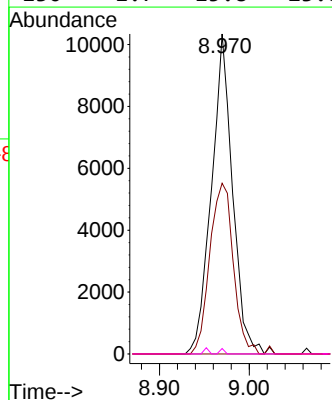
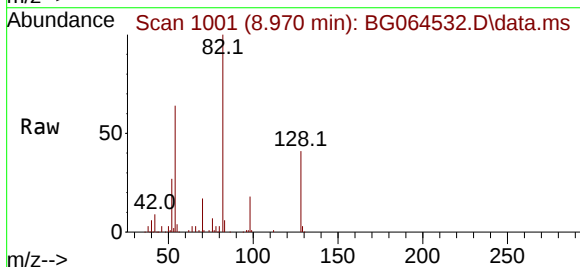
Instrument :
BNA_G
ClientSampleId :
PB170122BL

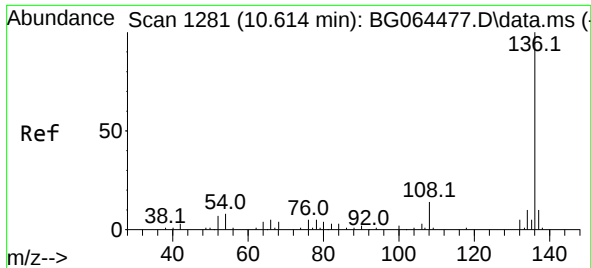
Tgt Ion: 99 Resp: 150848
Ion Ratio Lower Upper
99 100
42 29.0 22.9 34.3
71 56.3 35.4 53.2#



#19
n-Nitroso-di-n-propylamine
Concen: 24.334 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.356 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

Tgt Ion: 70 Resp: 16862
Ion Ratio Lower Upper
70 100
42 53.4 64.9 97.3#
101 0.0 8.7 13.1#
130 1.7 15.8 23.8#

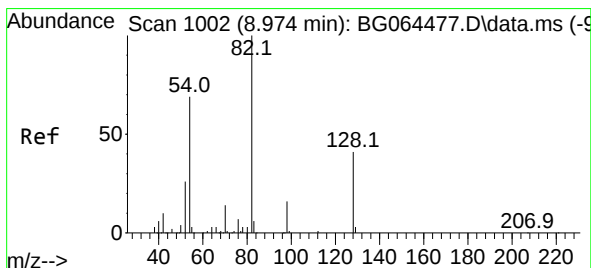
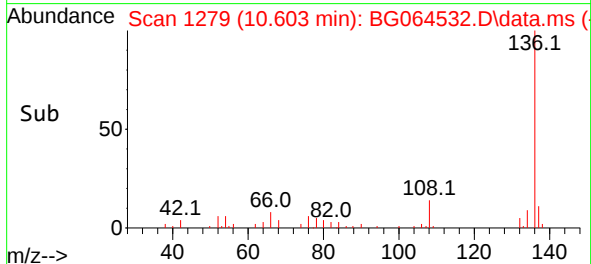
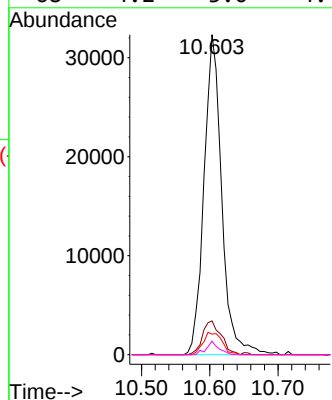
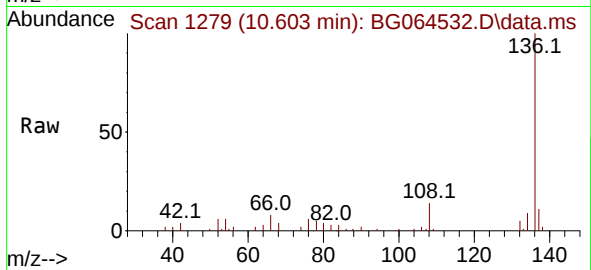




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

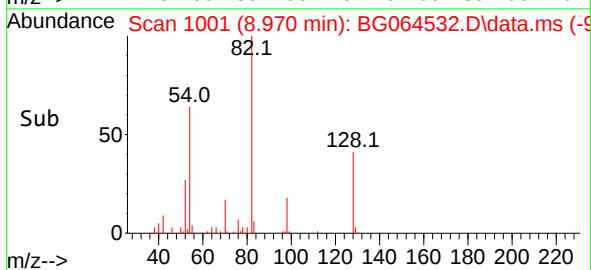
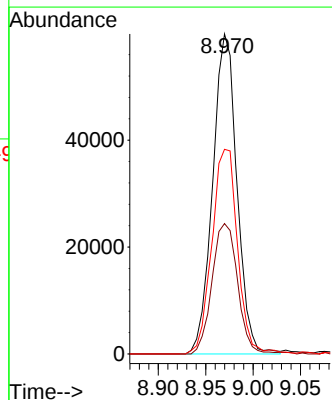
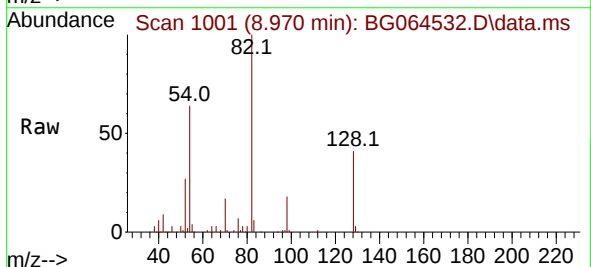
Instrument :
BNA_G
ClientSampleId :
PB170122BL

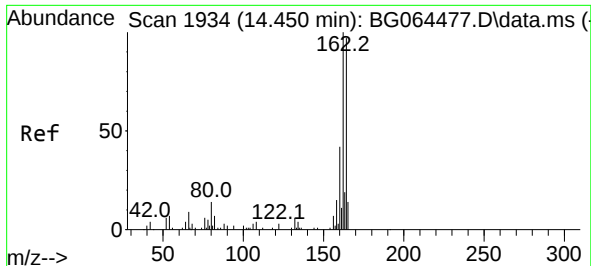
Tgt Ion:136	Resp:	58429
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.3 12.5
54	6.4	6.2 9.4
68	4.2	3.0 4.4



#23
Nitrobenzene-d5
Concen: 98.099 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.004 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

Tgt Ion: 82	Resp:	106599
Ion Ratio	Lower	Upper
82	100	
128	40.7	33.1 49.7
54	63.9	55.4 83.2

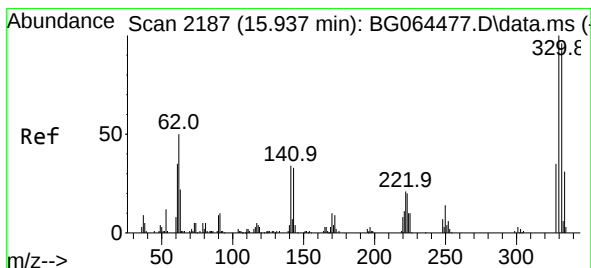
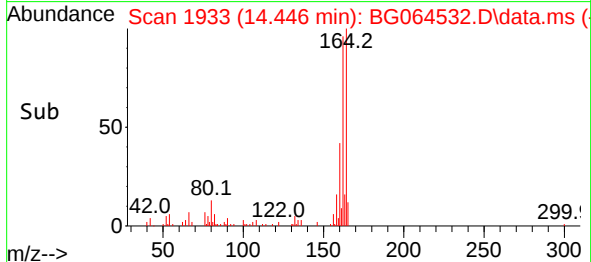
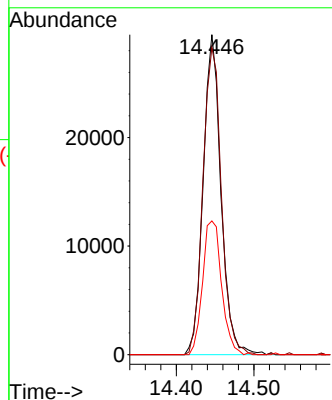
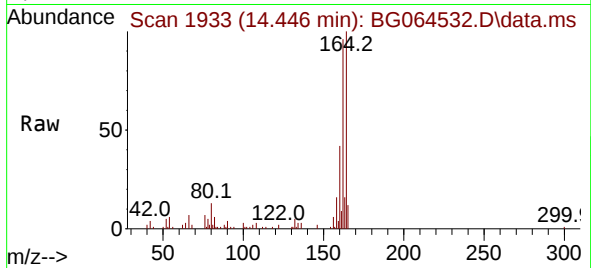




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

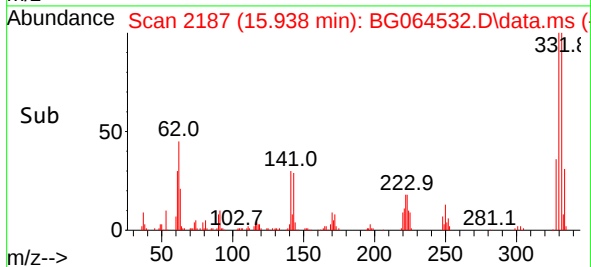
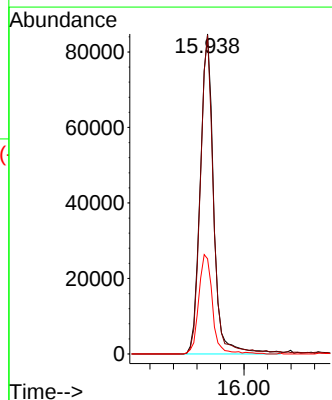
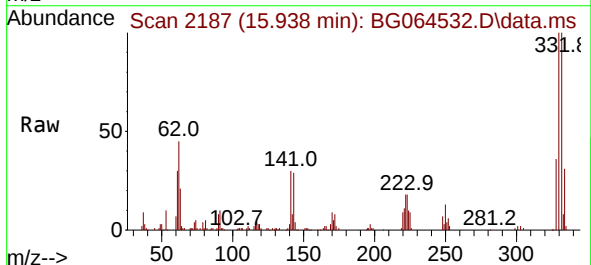
Instrument :
BNA_G
ClientSampleId :
PB170122BL

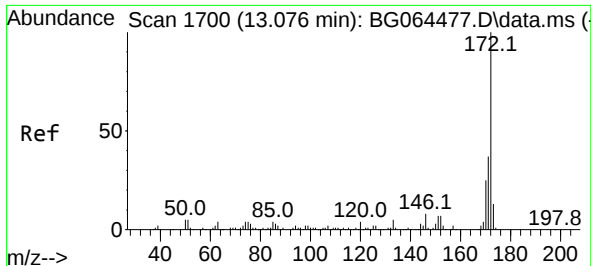
Tgt Ion:164 Resp: 47096
Ion Ratio Lower Upper
164 100
162 95.9 82.2 123.2
160 41.8 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 157.528 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.004 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

Tgt Ion:330 Resp: 134479
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 31.8 25.8 38.6

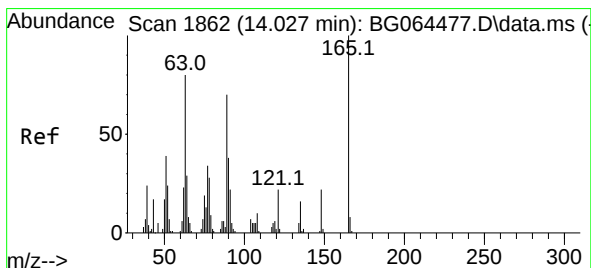
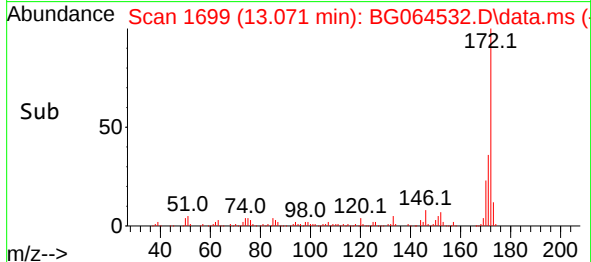
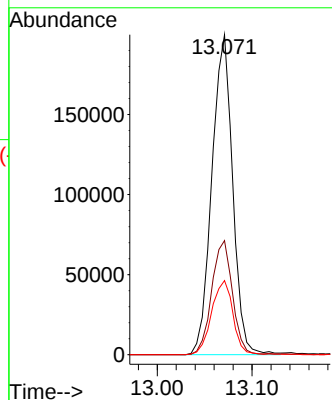
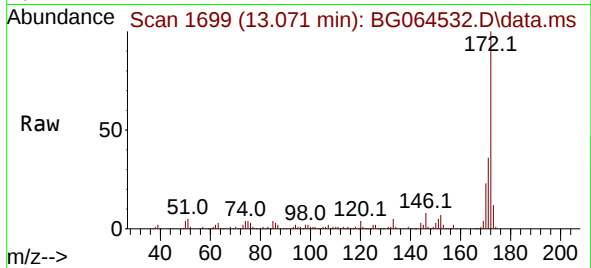




#45
2-Fluorobiphenyl
Concen: 95.090 ng
RT: 13.071 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

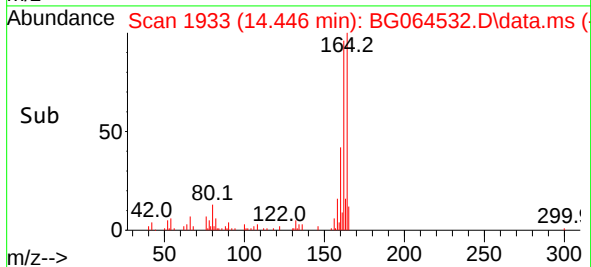
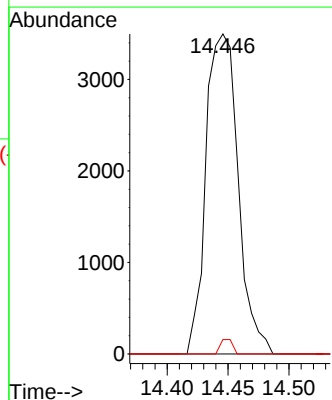
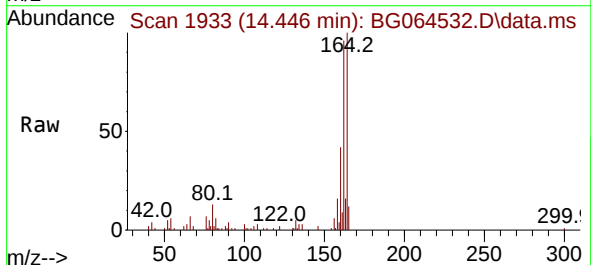
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BNA_G
ClientSampleId :
PB170122BL

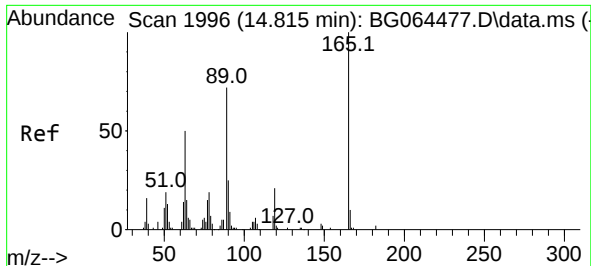
Tgt Ion:172 Resp: 303823
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.2 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.366 ng
RT: 14.446 min Scan# 1933
Delta R.T. 0.427 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

Tgt Ion:165 Resp: 6428
Ion Ratio Lower Upper
165 100
63 0.0 63.9 95.9#
89 4.5 56.1 84.1#

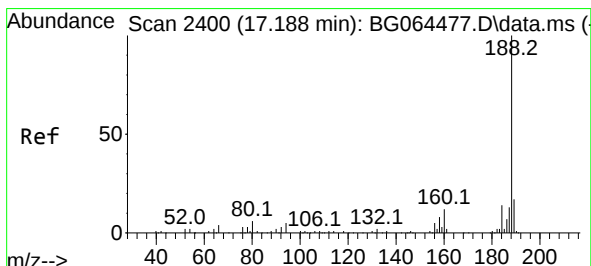
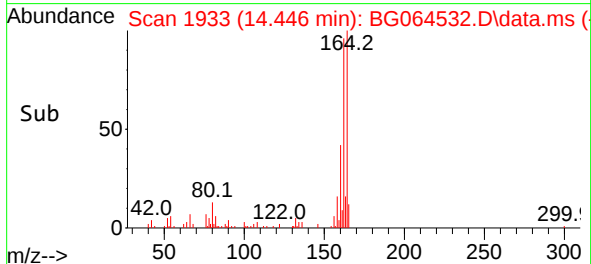
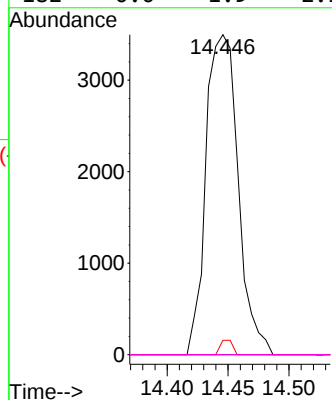
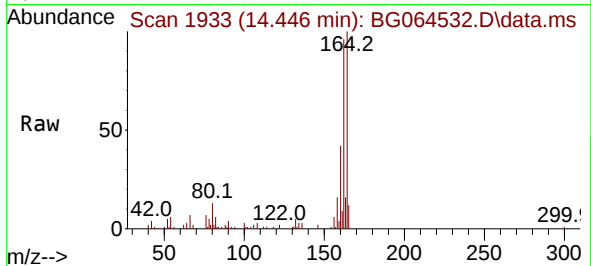




#57
2,4-Dinitrotoluene
Concen: 5.472 ng
RT: 14.446 min Scan# 1996
Delta R.T. -0.367 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

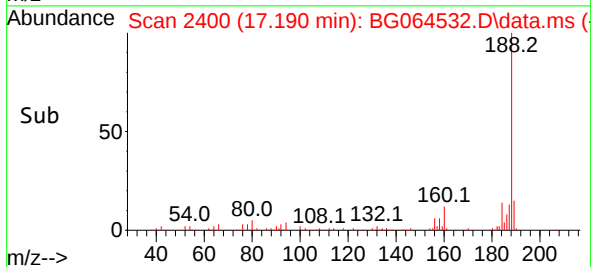
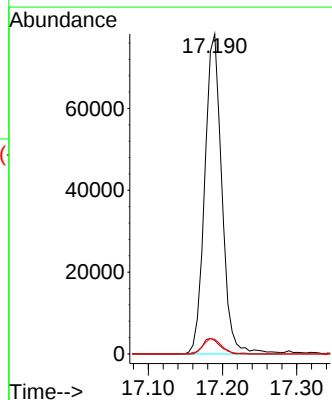
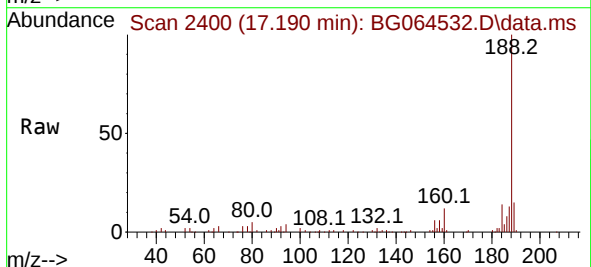
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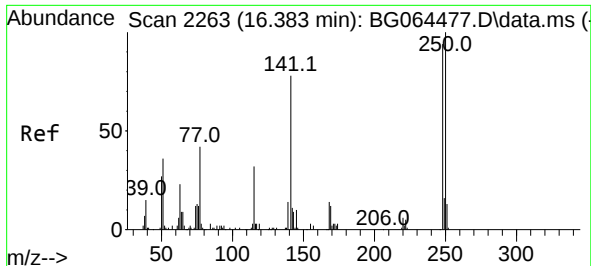
Tgt Ion:165 Resp: 6428
Ion Ratio Lower Upper
165 100
63 0.0 40.4 60.6#
89 4.5 57.3 85.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

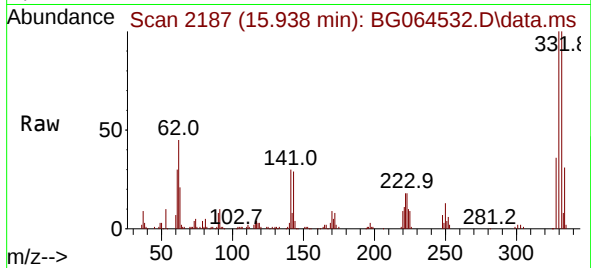
Tgt Ion:188 Resp: 125472
Ion Ratio Lower Upper
188 100
94 4.2 3.7 5.5
80 4.6 4.5 6.7



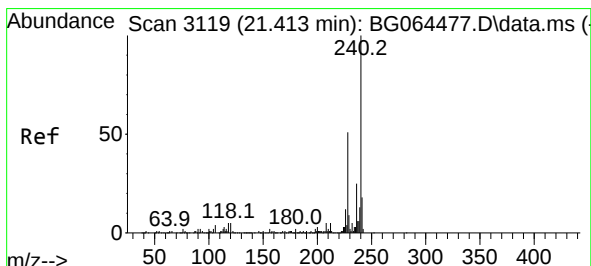
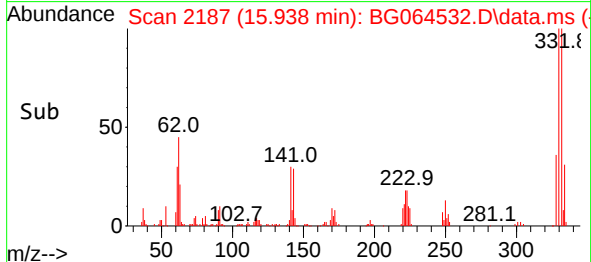
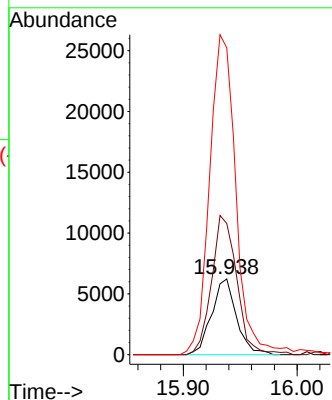


#67
4-Bromophenyl-phenylether
Concen: 6.430 ng
RT: 15.938 min Scan# 2187
Delta R.T. -0.443 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

Instrument :
BNA_G
ClientSampleId :
PB170122BL

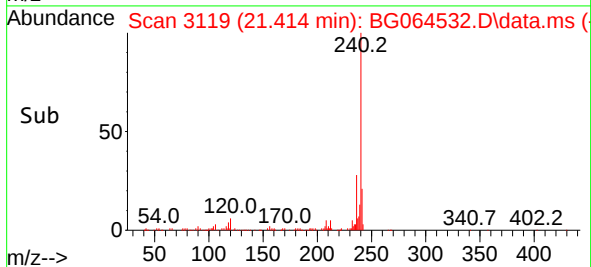
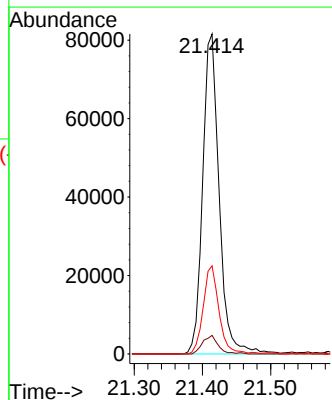
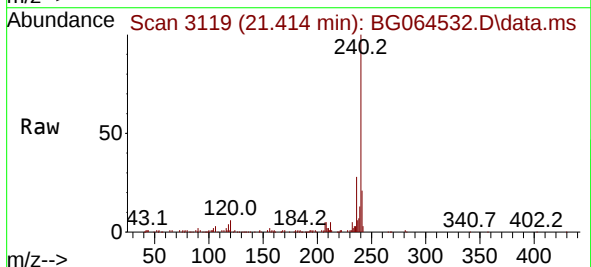


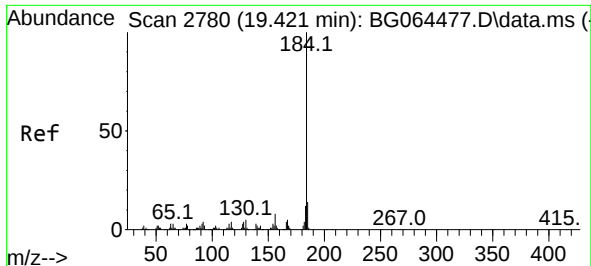
Tgt Ion:248 Resp: 9494
Ion Ratio Lower Upper
248 100
250 173.6 85.3 127.9#
141 405.8 66.2 99.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3119
Delta R.T. 0.004 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

Tgt Ion:240 Resp: 136842
Ion Ratio Lower Upper
240 100
120 5.8 4.3 6.5
236 27.6 20.4 30.6

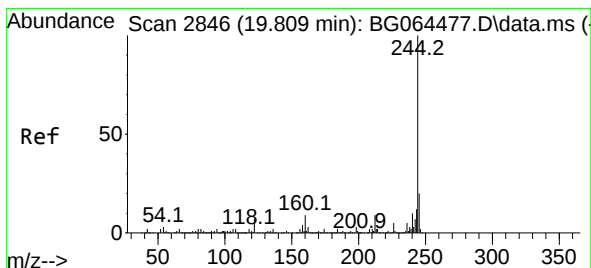
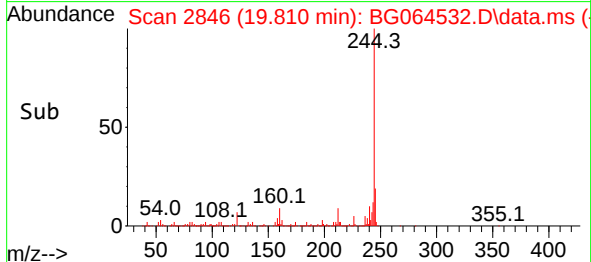
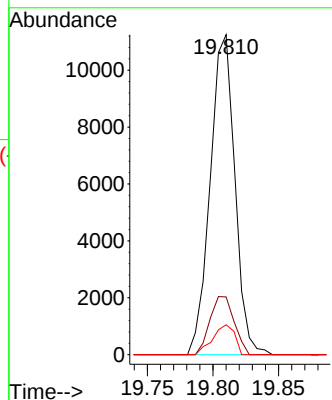
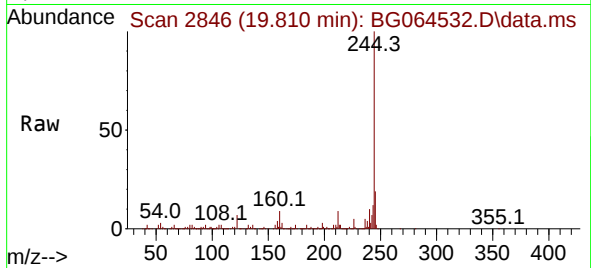




#77
Benzidine
Concen: 4.319 ng
RT: 19.810 min Scan# 2846
Delta R.T. 0.385 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

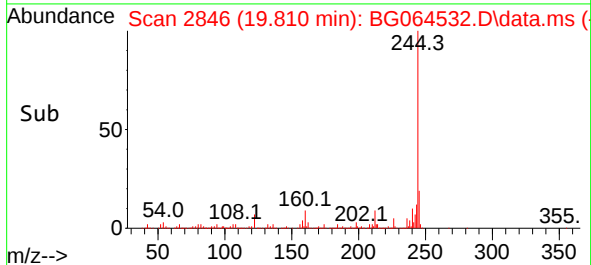
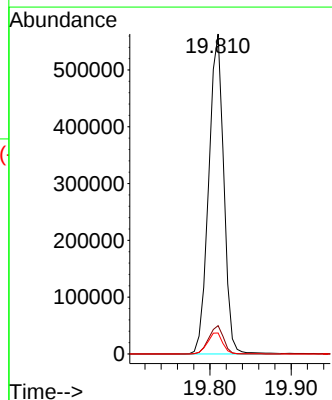
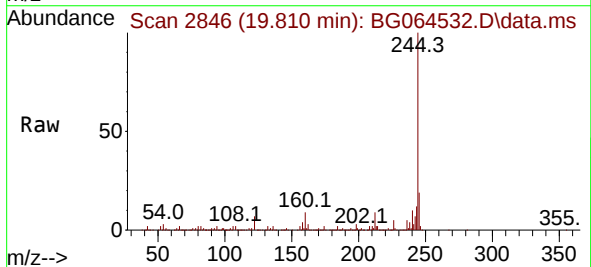
Instrument :
BNA_G
ClientSampleId :
PB170122BL

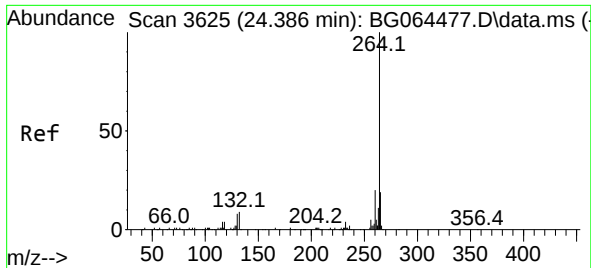
Tgt Ion:184 Resp: 14707
Ion Ratio Lower Upper
184 100
185 18.0 10.9 16.3#
183 9.4 9.8 14.6#



#79
Terphenyl-d14
Concen: 100.105 ng
RT: 19.810 min Scan# 2846
Delta R.T. 0.004 min
Lab File: BG064532.D
Acq: 17 Oct 2025 12:22

Tgt Ion:244 Resp: 723837
Ion Ratio Lower Upper
244 100
212 8.9 7.0 10.6
122 6.6 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.393 min Scan# 30
 Delta R.T. 0.004 min
 Lab File: BG064532.D
 Acq: 17 Oct 2025 12:22

Instrument :
 BNA_G
 ClientSampleId :
 PB170122BL

Tgt Ion:264 Resp: 148845
 Ion Ratio Lower Upper
 264 100
 260 24.3 16.2 24.4
 265 23.4 15.0 22.4#

