

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
 Data File : BG064791.D
 Acq On : 17 Nov 2025 19:26
 Operator : RC/JU
 Sample : Q3647-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-212

Quant Time: Nov 18 00:23:13 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)

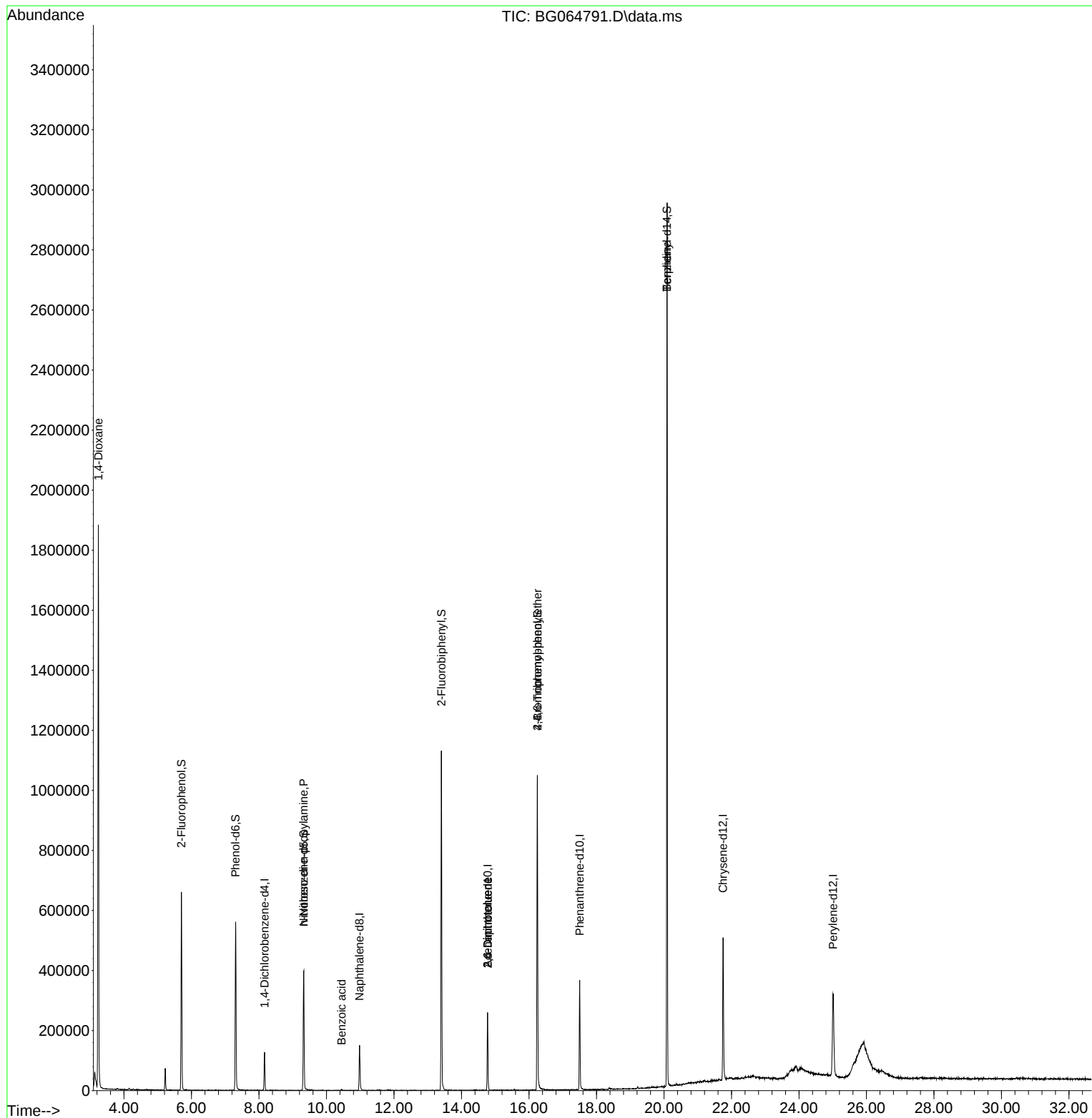
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	37326	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	132061	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	102733	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	258106	20.000	ng	0.00
76) Chrysene-d12	21.749	240	351977	20.000	ng	0.00
86) Perylene-d12	25.010	264	357694	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	269462	126.062	ng	0.00
7) Phenol-d6	7.307	99	323328	113.727	ng	0.00
23) Nitrobenzene-d5	9.328	82	241596	90.452	ng	0.00
42) 2,4,6-Tribromophenol	16.250	330	270765	135.139	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	641608	87.145	ng	0.00
79) Terphenyl-d14	20.092	244	1634436	91.344	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.241	88	16093	19.447	ng	# 1
19) n-Nitroso-di-n-propyla...	9.328	70	31767	16.526	ng	# 65
32) Benzoic acid	10.450	122	1835	6.940	ng	# 7
51) 2,6-Dinitrotoluene	14.775	165	13811	8.844	ng	# 21
57) 2,4-Dinitrotoluene	14.775	165	13811	5.899	ng	# 24
67) 4-Bromophenyl-phenylether	16.250	248	16881	4.980	ng	# 1
77) Benzidine	20.092	184	22034	2.090	ng	# 91

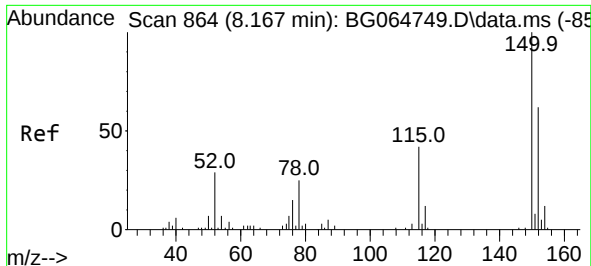
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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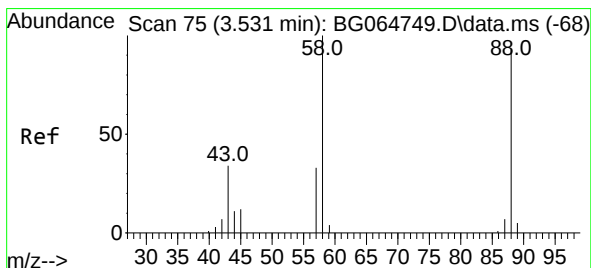
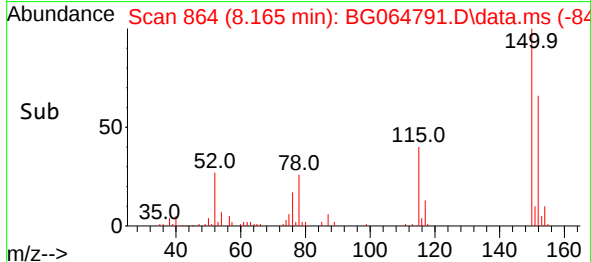
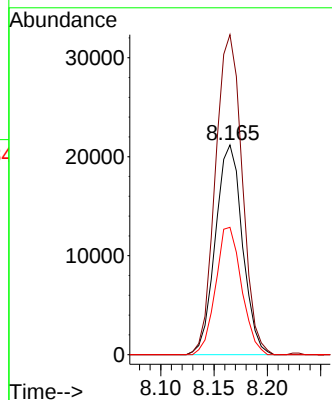
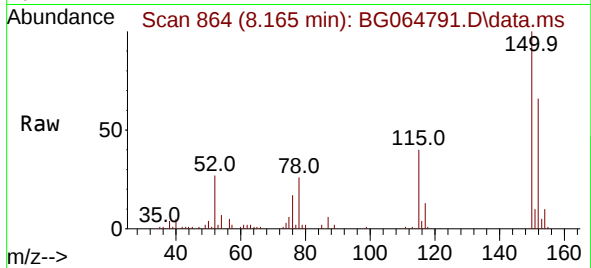




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064791.D
 Acq: 17 Nov 2025 19:26

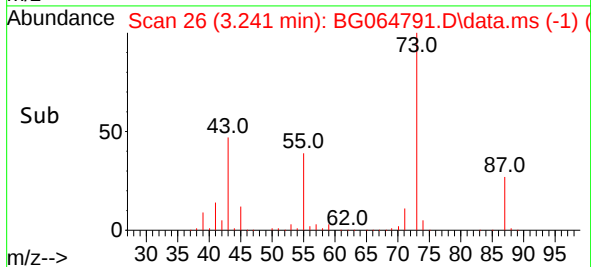
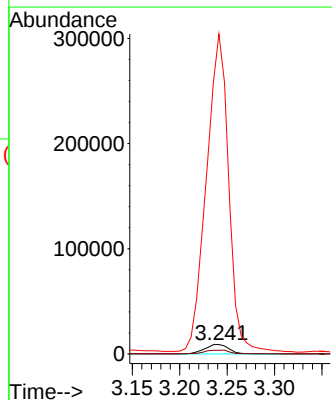
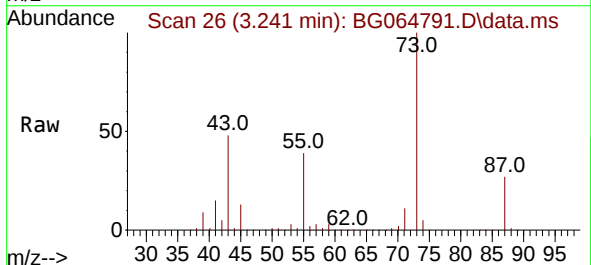
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-212

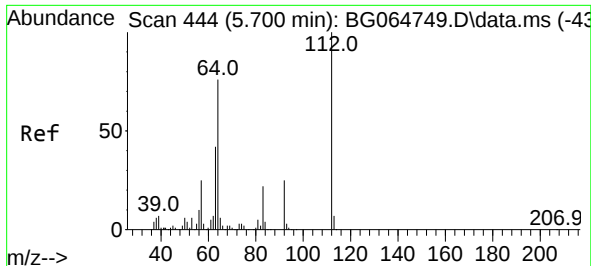
Tgt Ion:152 Resp: 37326
 Ion Ratio Lower Upper
 152 100
 150 152.6 129.2 193.8
 115 60.7 53.7 80.5



#2
 1,4-Dioxane
 Concen: 19.447 ng
 RT: 3.241 min Scan# 26
 Delta R.T. -0.290 min
 Lab File: BG064791.D
 Acq: 17 Nov 2025 19:26

Tgt Ion: 88 Resp: 16093
 Ion Ratio Lower Upper
 88 100
 58 36.5 84.6 126.8#
 43 3072.0 30.0 45.0#

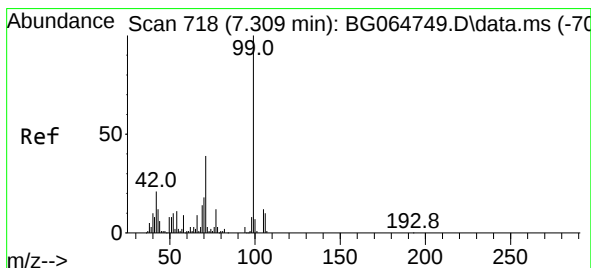
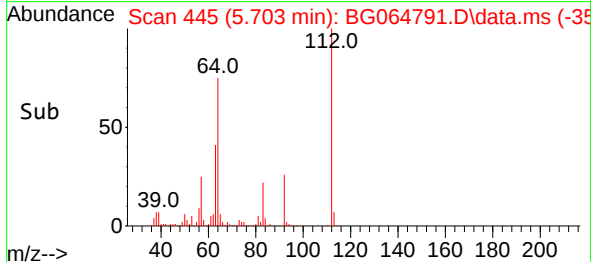
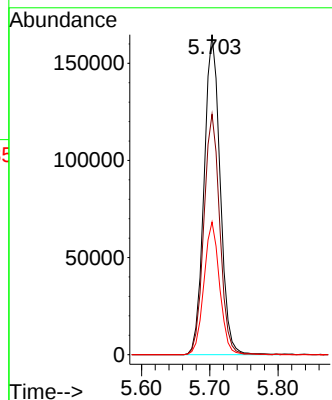
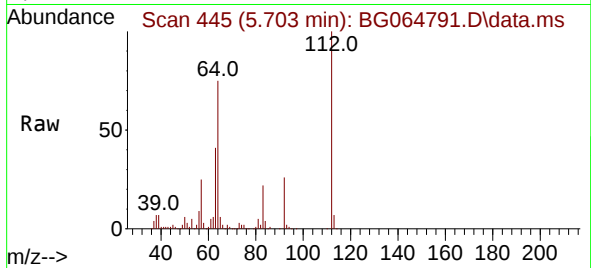




#5
2-Fluorophenol
Concen: 126.062 ng
RT: 5.703 min Scan# 444
Delta R.T. 0.004 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

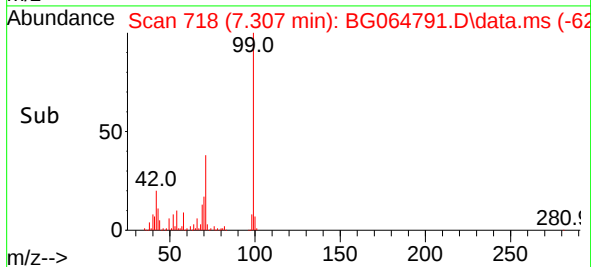
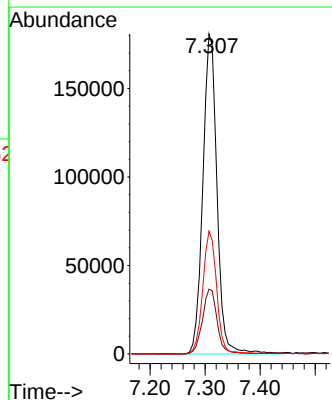
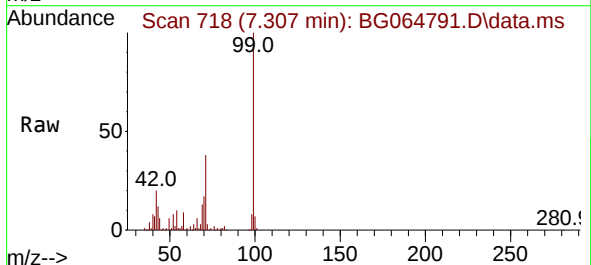
Instrument :
BNA_G
ClientSampleId :
VNJ-212

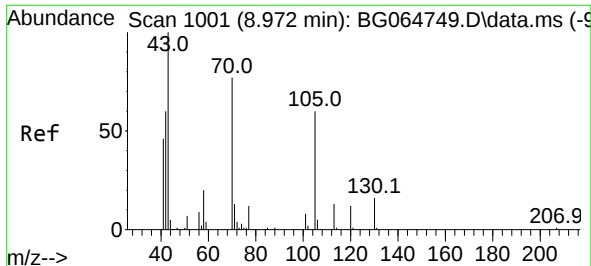
Tgt Ion:112 Resp: 269462
Ion Ratio Lower Upper
112 100
64 75.1 61.0 91.4
63 41.4 33.3 49.9



#7
Phenol-d6
Concen: 113.727 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

Tgt Ion: 99 Resp: 323328
Ion Ratio Lower Upper
99 100
42 20.2 16.8 25.2
71 38.4 31.1 46.7

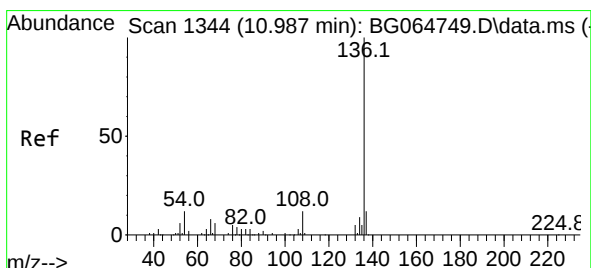
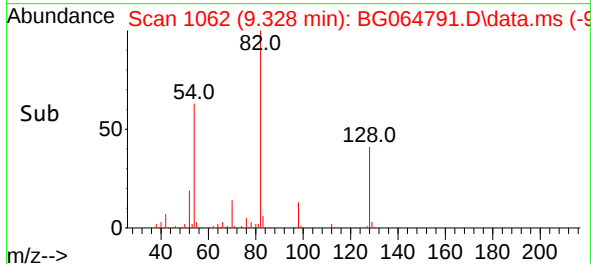
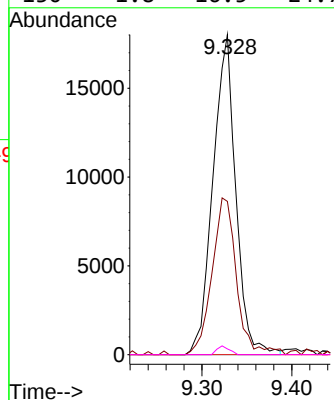
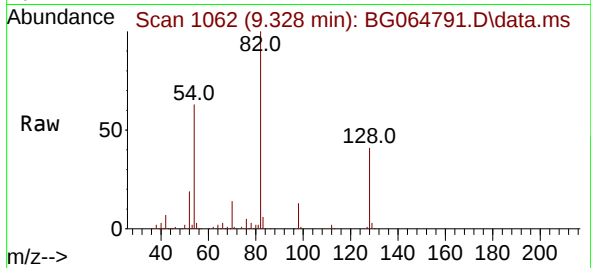




#19
n-Nitroso-di-n-propylamine
Concen: 16.526 ng
RT: 9.328 min Scan# 1062
Delta R.T. 0.356 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

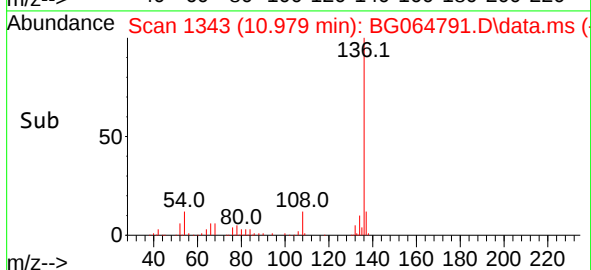
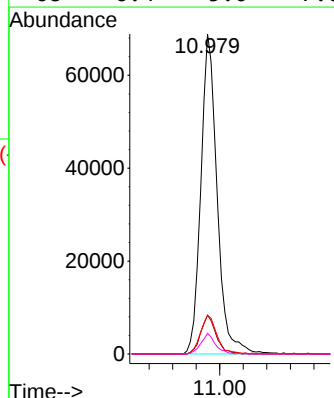
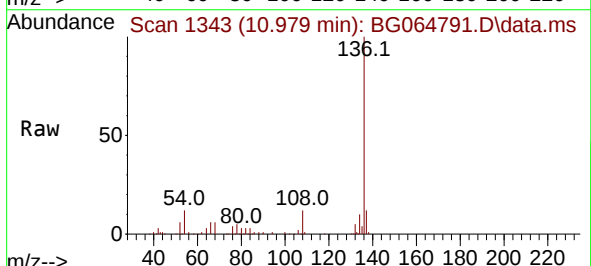
Instrument :
BNA_G
ClientSampleId :
VNJ-212

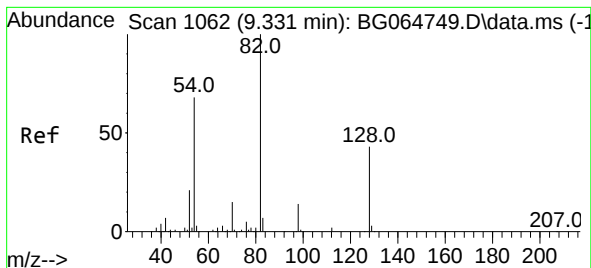
Tgt Ion: 70 Resp: 31767
Ion Ratio Lower Upper
70 100
42 47.9 62.6 93.8#
101 0.0 8.0 12.0#
130 1.8 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

Tgt Ion:136 Resp: 132061
Ion Ratio Lower Upper
136 100
137 12.1 9.3 13.9
54 12.1 9.3 13.9
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 90.452 ng

RT: 9.328 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG064791.D

Acq: 17 Nov 2025 19:26

Instrument :

BNA_G

ClientSampleId :

VNJ-212

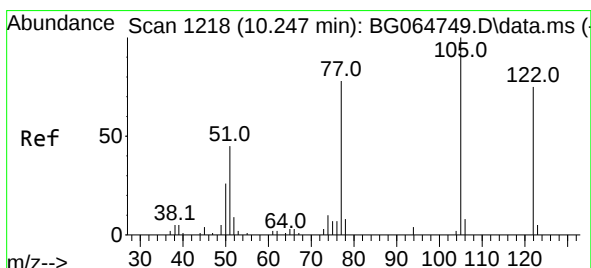
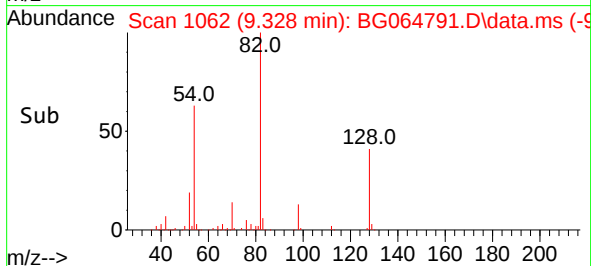
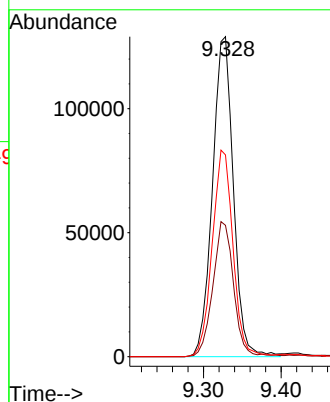
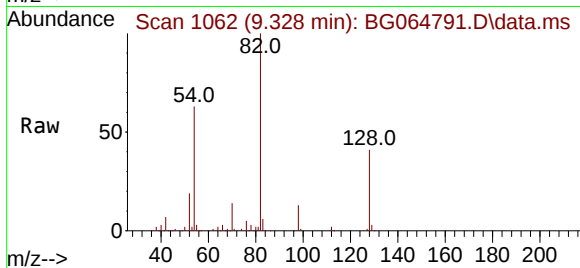
Tgt Ion: 82 Resp: 241596

Ion Ratio Lower Upper

82 100

128 41.1 34.1 51.1

54 63.0 54.3 81.5



#32

Benzoic acid

Concen: 6.940 ng

RT: 10.450 min Scan# 1253

Delta R.T. 0.203 min

Lab File: BG064791.D

Acq: 17 Nov 2025 19:26

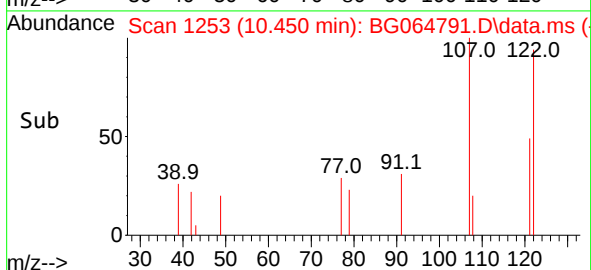
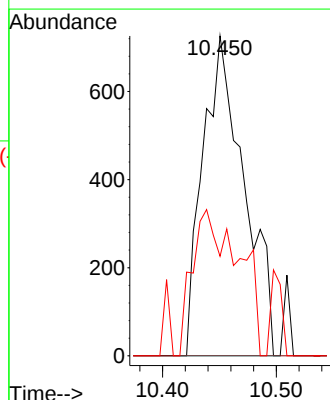
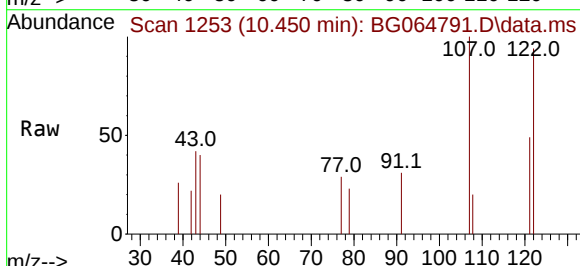
Tgt Ion: 122 Resp: 1835

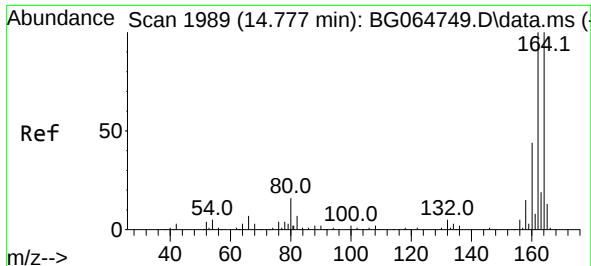
Ion Ratio Lower Upper

122 100

105 0.0 107.6 147.6#

77 31.1 82.5 122.5#

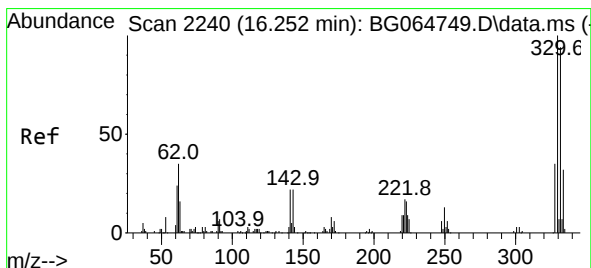
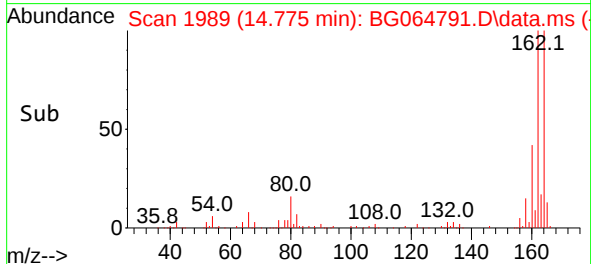
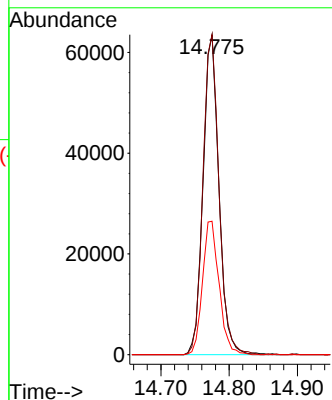
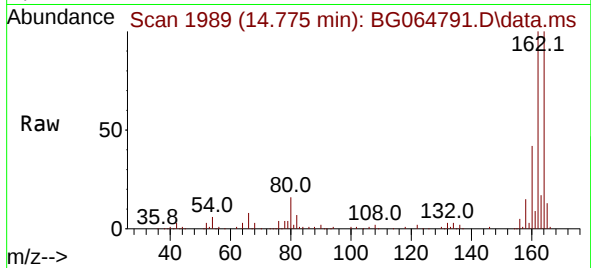




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 1989
Delta R.T. -0.002 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

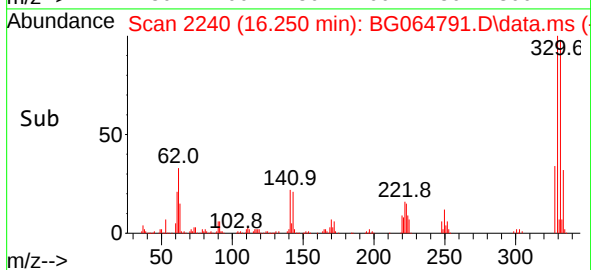
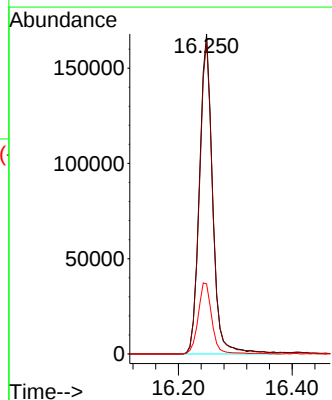
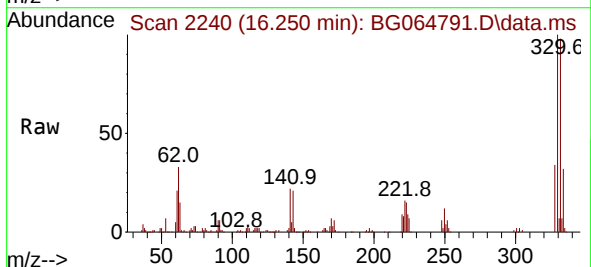
Instrument :
BNA_G
ClientSampleId :
VNJ-212

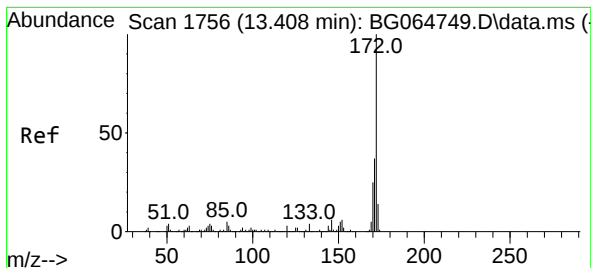
Tgt Ion:164 Resp: 102733
Ion Ratio Lower Upper
164 100
162 100.1 79.8 119.6
160 41.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 135.139 ng
RT: 16.250 min Scan# 2240
Delta R.T. -0.002 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

Tgt Ion:330 Resp: 270765
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 22.9 18.2 27.2





#45

2-Fluorobiphenyl

Concen: 87.145 ng

RT: 13.406 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG064791.D

Acq: 17 Nov 2025 19:26

Instrument :

BNA_G

ClientSampleId :

VNJ-212

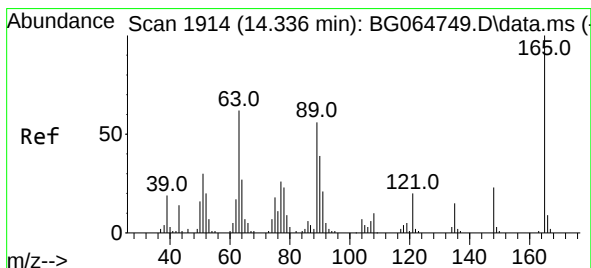
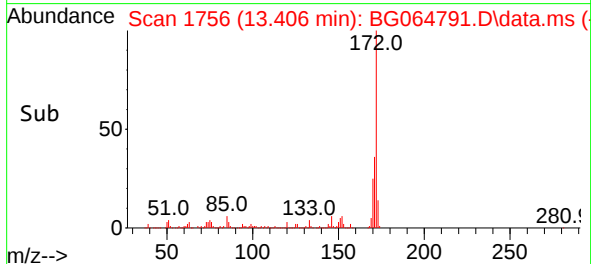
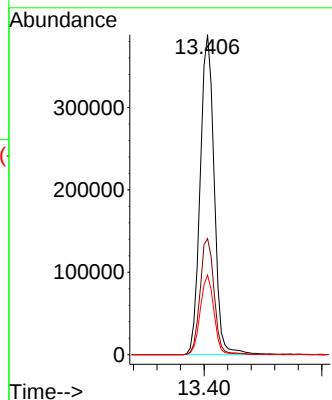
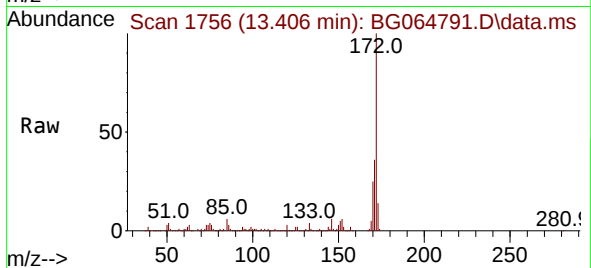
Tgt Ion:172 Resp: 641608

Ion Ratio Lower Upper

172 100

171 36.3 29.9 44.9

170 24.9 19.8 29.6



#51

2,6-Dinitrotoluene

Concen: 8.844 ng

RT: 14.775 min Scan# 1989

Delta R.T. 0.438 min

Lab File: BG064791.D

Acq: 17 Nov 2025 19:26

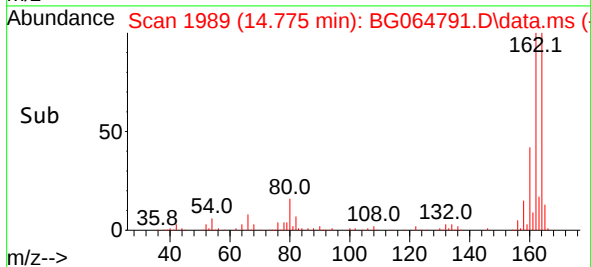
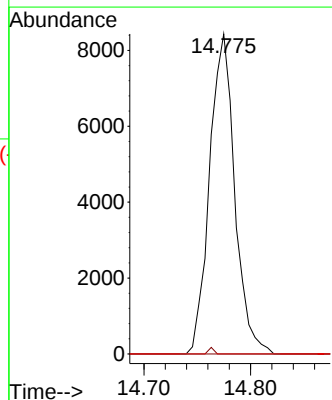
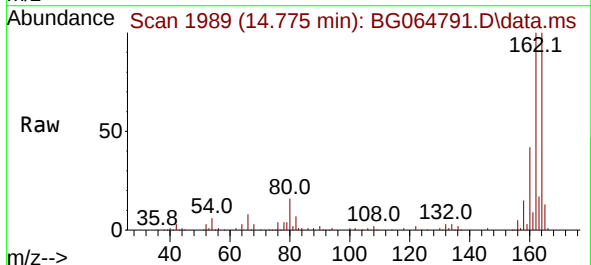
Tgt Ion:165 Resp: 13811

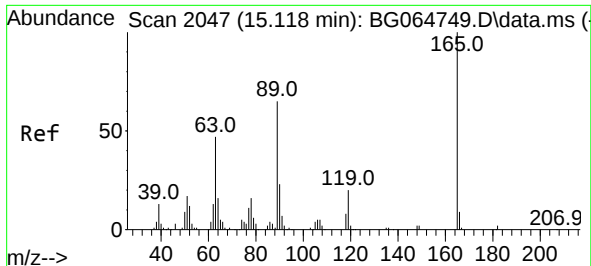
Ion Ratio Lower Upper

165 100

63 0.0 49.8 74.8#

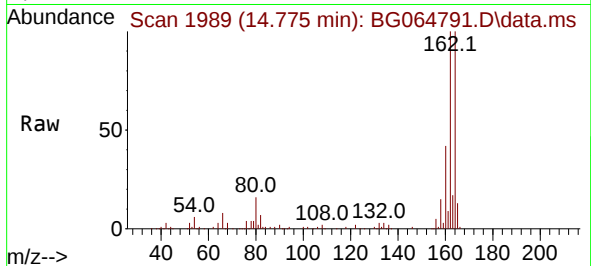
89 0.0 45.0 67.4#



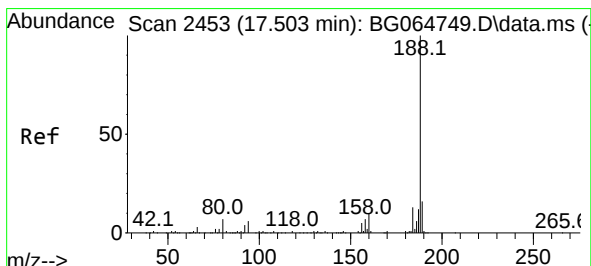
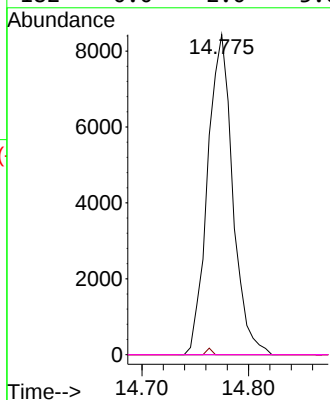
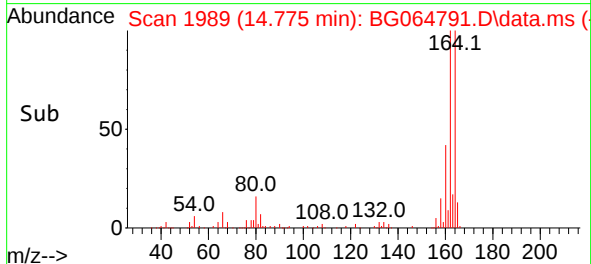


#57
2,4-Dinitrotoluene
Concen: 5.899 ng
RT: 14.775 min Scan# 1989
Delta R.T. -0.343 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

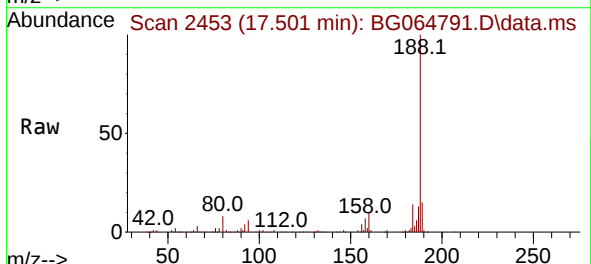
Instrument :
BNA_G
ClientSampleId :
VNJ-212



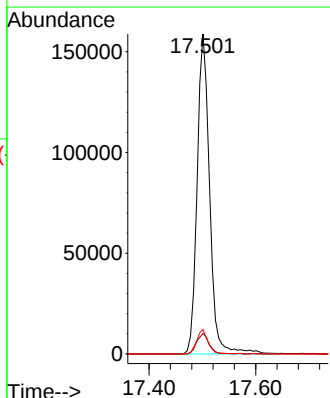
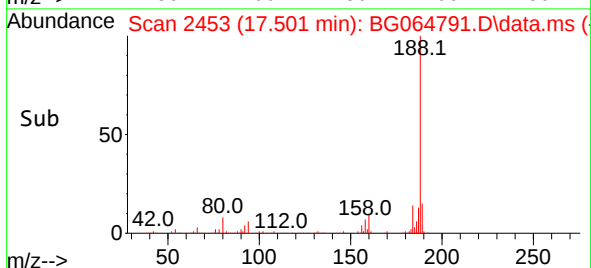
Tgt Ion:165 Resp: 13811
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#

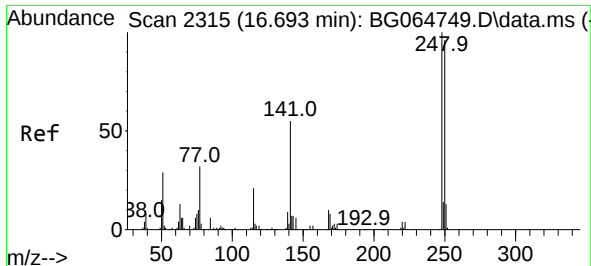


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.002 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26



Tgt Ion:188 Resp: 258106
Ion Ratio Lower Upper
188 100
94 6.4 4.7 7.1
80 7.6 5.4 8.2

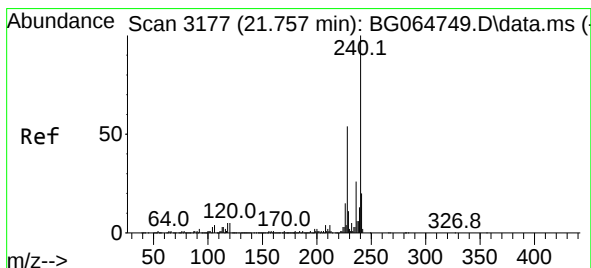
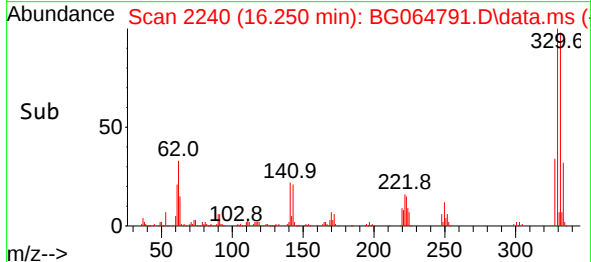
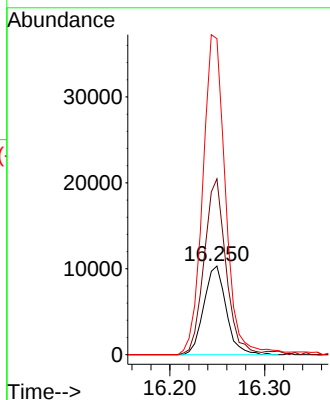
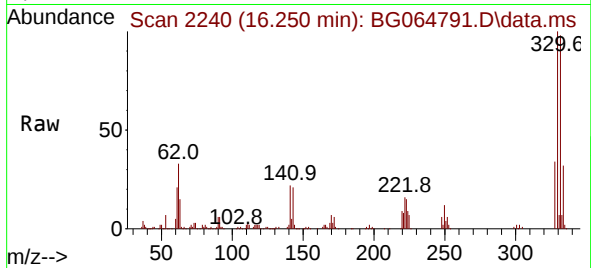




#67
4-Bromophenyl-phenylether
Concen: 4.980 ng
RT: 16.250 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

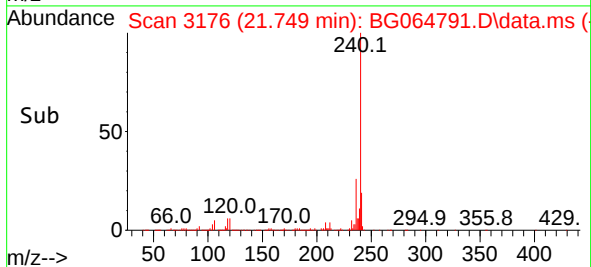
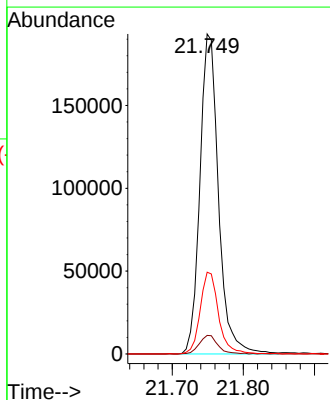
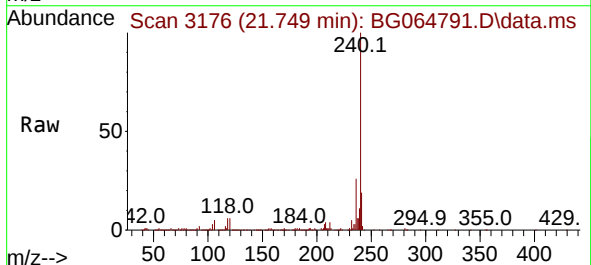
Instrument :
BNA_G
ClientSampleId :
VNJ-212

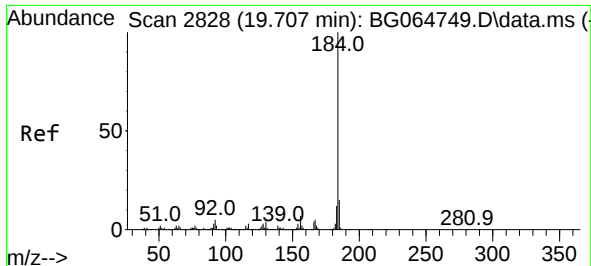
Tgt Ion:248 Resp: 16881
Ion Ratio Lower Upper
248 100
250 196.6 77.0 115.6#
141 273.9 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.008 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

Tgt Ion:240 Resp: 351977
Ion Ratio Lower Upper
240 100
120 5.8 4.2 6.4
236 25.6 20.8 31.2

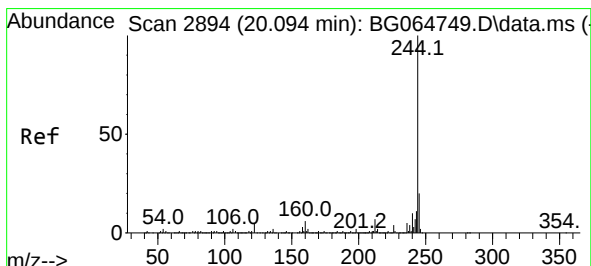
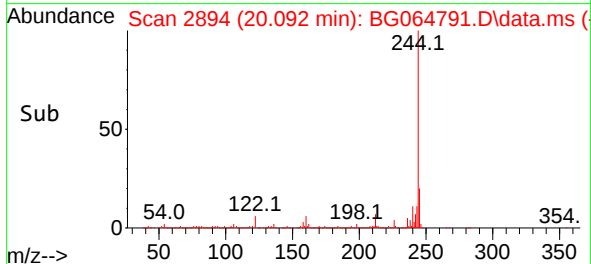
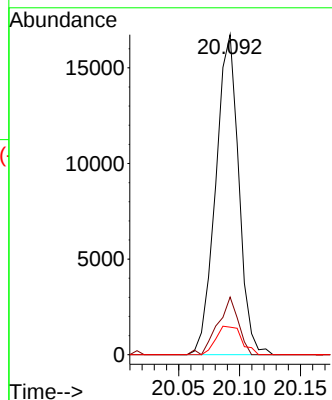
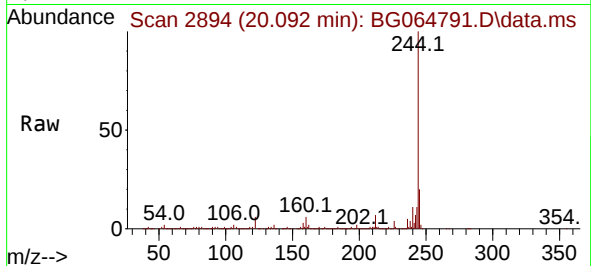




#77
Benzidine
Concen: 2.090 ng
RT: 20.092 min Scan# 2894
Delta R.T. 0.385 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

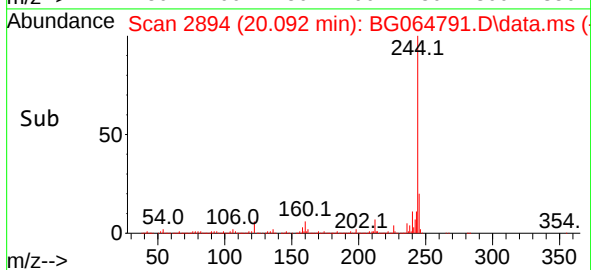
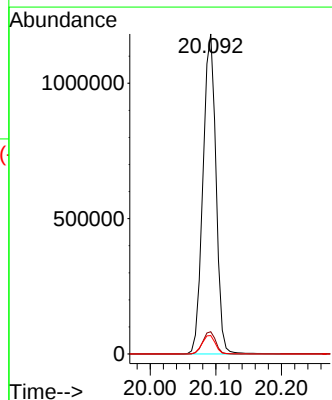
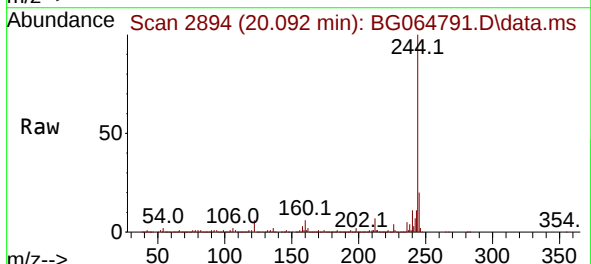
Instrument :
BNA_G
ClientSampleId :
VNJ-212

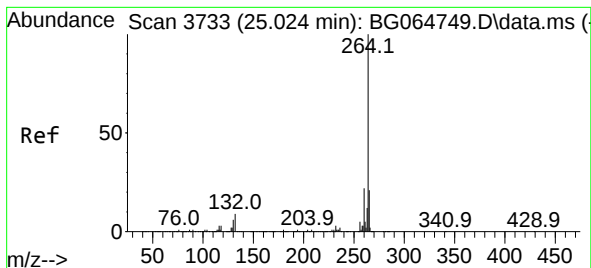
Tgt Ion:184 Resp: 22034
Ion Ratio Lower Upper
184 100
185 18.0 11.8 17.6#
183 8.6 9.8 14.6#



#79
Terphenyl-d14
Concen: 91.344 ng
RT: 20.092 min Scan# 2894
Delta R.T. -0.002 min
Lab File: BG064791.D
Acq: 17 Nov 2025 19:26

Tgt Ion:244 Resp: 1634436
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 5.7 4.3 6.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG064791.D

Acq: 17 Nov 2025 19:26

Instrument :

BNA_G

ClientSampleId :

VNJ-212

Tgt Ion:264 Resp: 357694

Ion Ratio Lower Upper

264 100

260 25.1 17.2 25.8

265 22.5 16.6 25.0

