

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064757.D
 Acq On : 13 Nov 2025 15:16
 Operator : RC/JU
 Sample : PB170528BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170528BL

Quant Time: Nov 13 16:05:29 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)

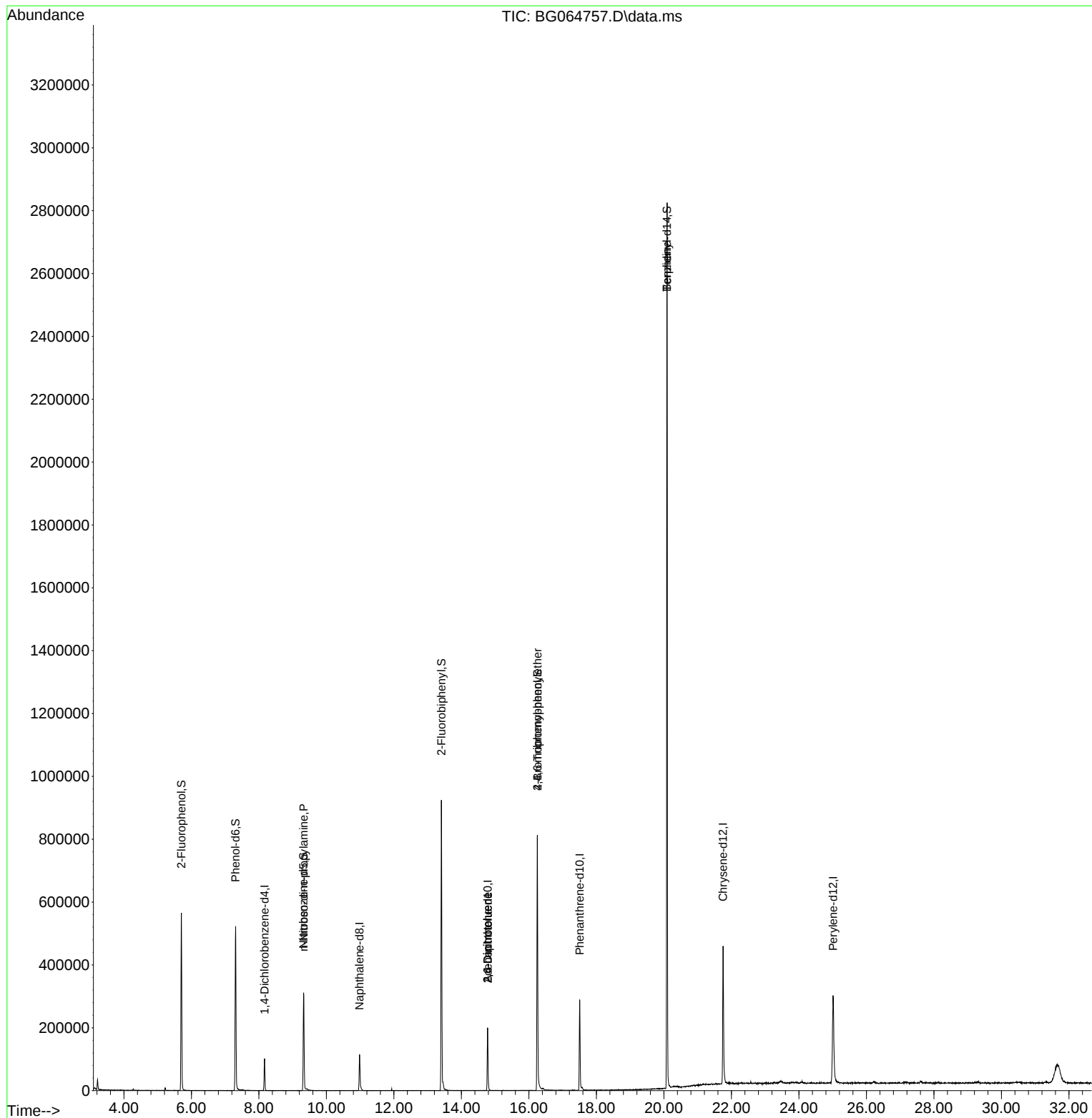
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.166	152	29011	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	107778	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	85059	20.000	ng	0.00
64) Phenanthrene-d10	17.502	188	213577	20.000	ng	0.00
76) Chrysene-d12	21.750	240	341171	20.000	ng	0.00
86) Perylene-d12	25.011	264	353663	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.704	112	234464	141.127	ng	0.00
7) Phenol-d6	7.308	99	299193	135.401	ng	0.00
23) Nitrobenzene-d5	9.324	82	187119	85.840	ng	0.00
42) 2,4,6-Tribromophenol	16.251	330	215055	129.636	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	540432	88.655	ng	0.00
79) Terphenyl-d14	20.093	244	1572615	90.672	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.330	70	24089	16.123	ng	# 63
51) 2,6-Dinitrotoluene	14.776	165	10936	8.458	ng	# 21
57) 2,4-Dinitrotoluene	14.776	165	10936	5.642	ng	# 24
67) 4-Bromophenyl-phenylether	16.251	248	13087	4.666	ng	# 1
77) Benzidine	20.088	184	22025	2.156	ng	# 92

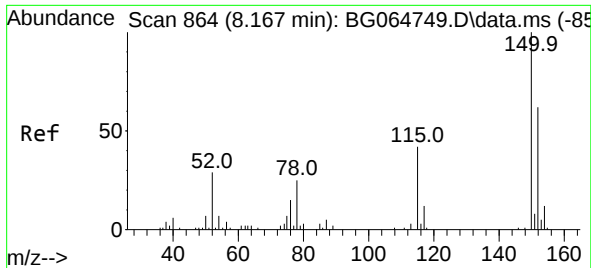
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
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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

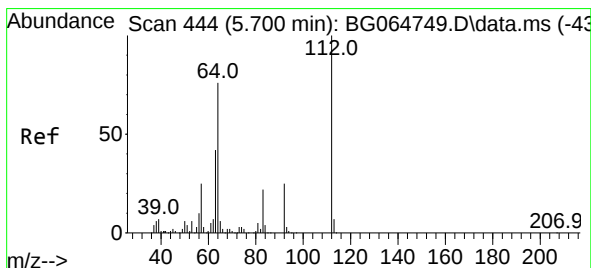
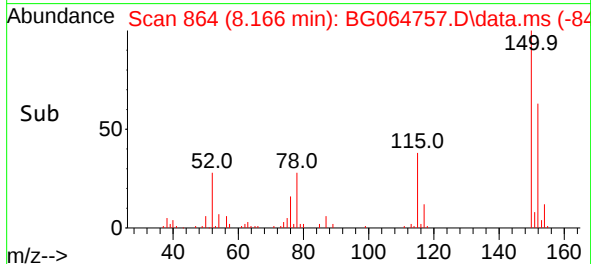
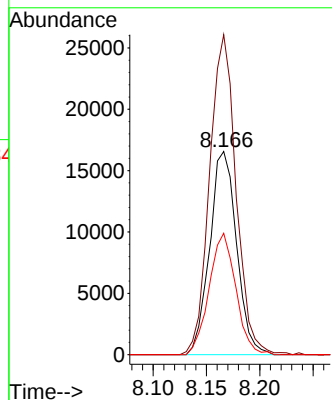
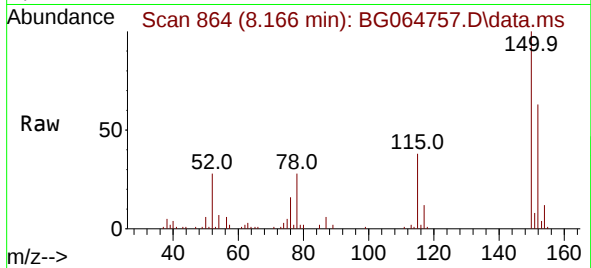




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.166 min Scan# 80
Delta R.T. -0.001 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

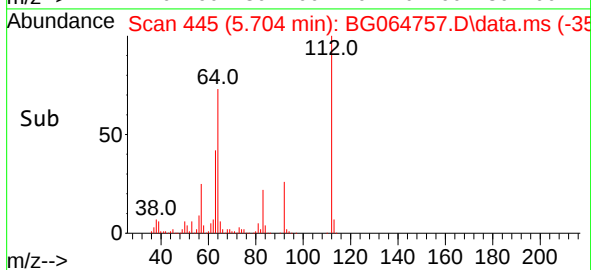
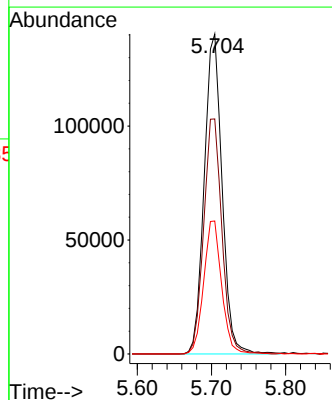
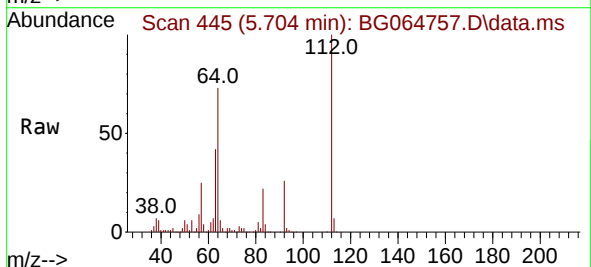
Instrument :
BNA_G
ClientSampleId :
PB170528BL

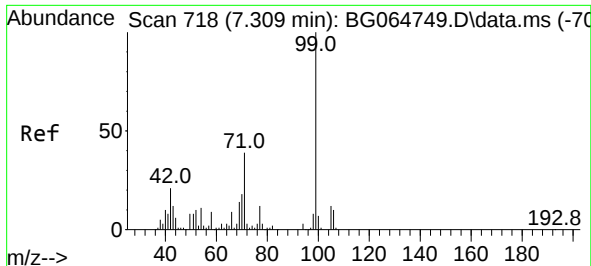
Tgt Ion:152 Resp: 29011
Ion Ratio Lower Upper
152 100
150 157.5 129.2 193.8
115 59.7 53.7 80.5



#5
2-Fluorophenol
Concen: 141.127 ng
RT: 5.704 min Scan# 445
Delta R.T. 0.005 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

Tgt Ion:112 Resp: 234464
Ion Ratio Lower Upper
112 100
64 73.5 61.0 91.4
63 41.5 33.3 49.9





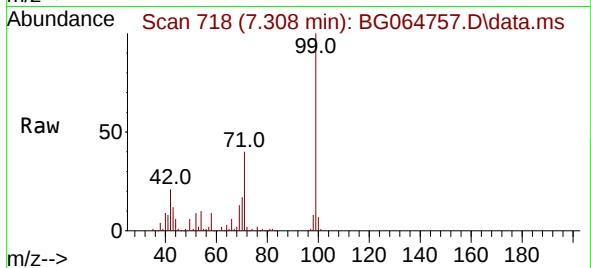
#7
Phenol-d6
Concen: 135.401 ng
RT: 7.308 min Scan# 718
Delta R.T. -0.001 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

Instrument :

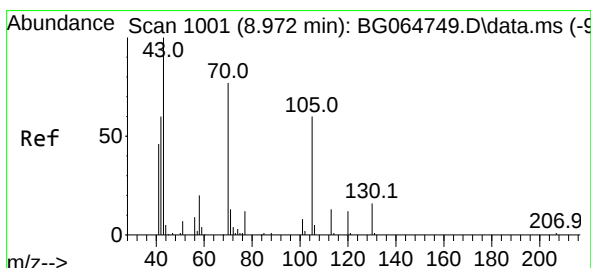
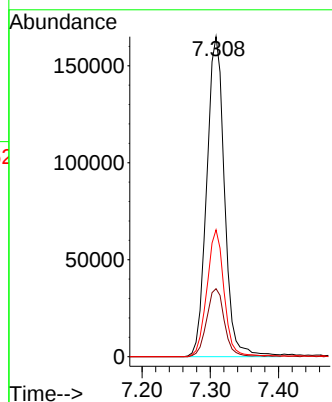
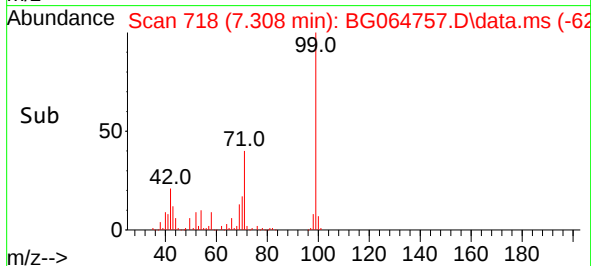
BNA_G

ClientSampleId :

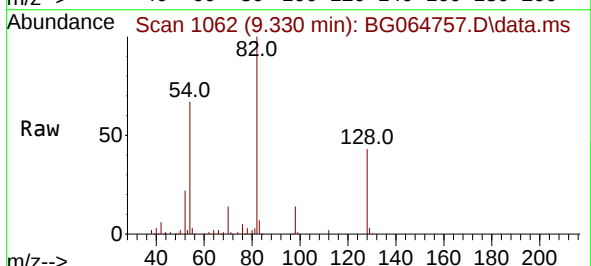
PB170528BL



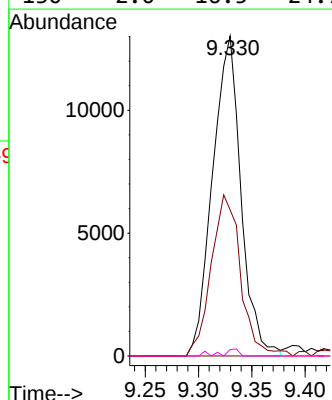
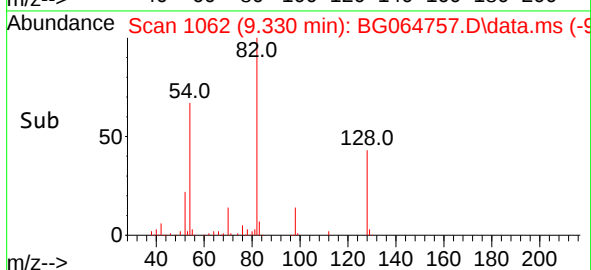
Tgt Ion: 99 Resp: 299193
Ion Ratio Lower Upper
99 100
42 21.3 16.8 25.2
71 39.7 31.1 46.7

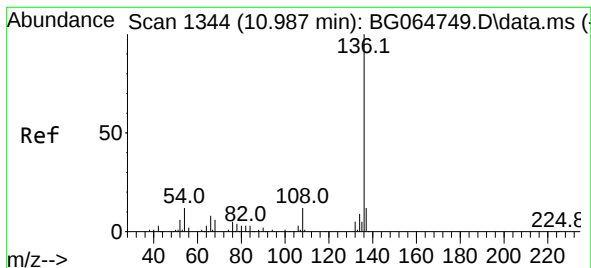


#19
n-Nitroso-di-n-propylamine
Concen: 16.123 ng
RT: 9.330 min Scan# 1062
Delta R.T. 0.357 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16



Tgt Ion: 70 Resp: 24089
Ion Ratio Lower Upper
70 100
42 45.7 62.6 93.8#
101 0.0 8.0 12.0#
130 2.0 16.5 24.7#



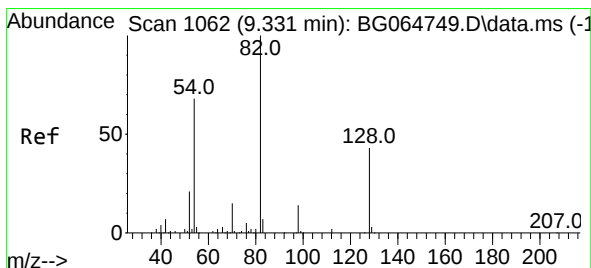
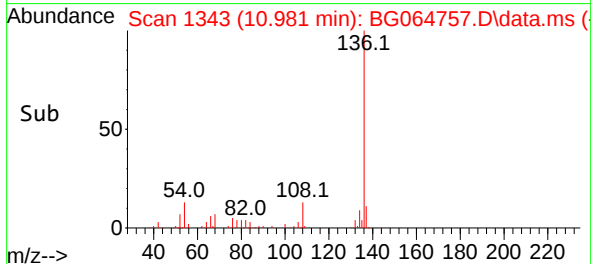
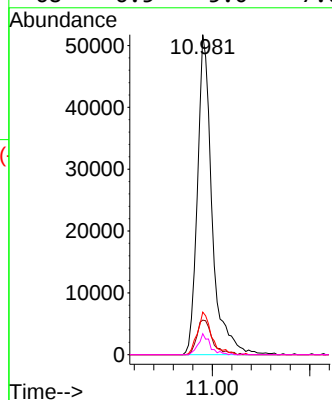
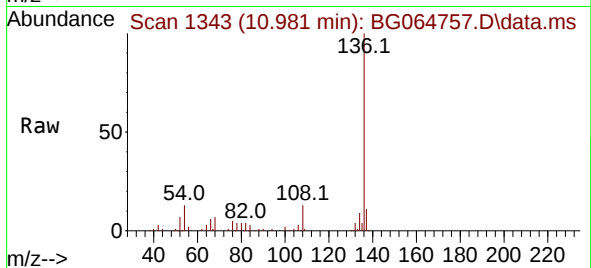


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

Instrument :
BNA_G
ClientSampleId :
PB170528BL

Tgt Ion:136 Resp: 107778

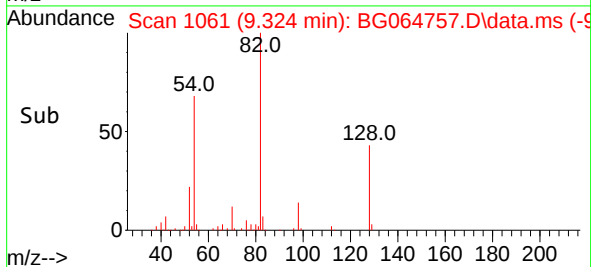
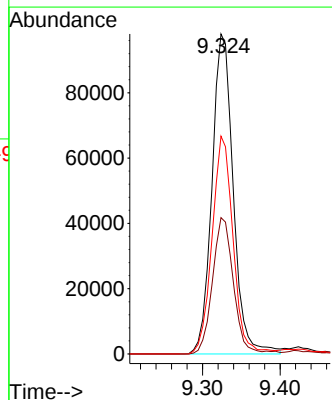
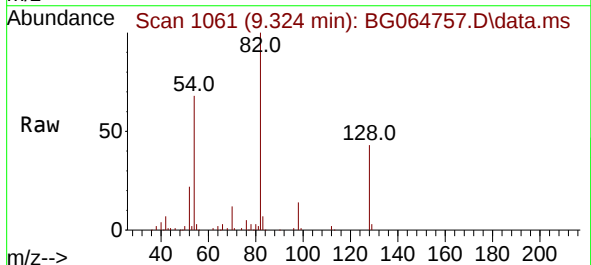
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	13.3	9.3	13.9
68	6.5	5.0	7.6

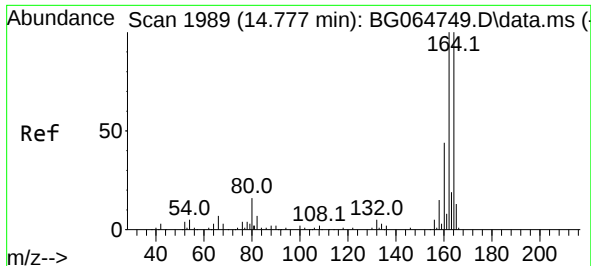


#23
Nitrobenzene-d5
Concen: 85.840 ng
RT: 9.324 min Scan# 1061
Delta R.T. -0.007 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

Tgt Ion: 82 Resp: 187119

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	68.1	54.3	81.5

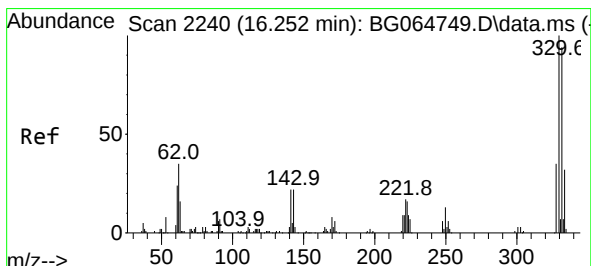
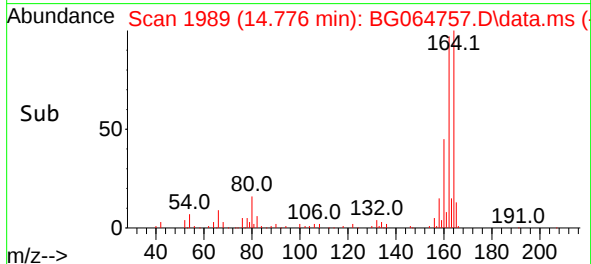
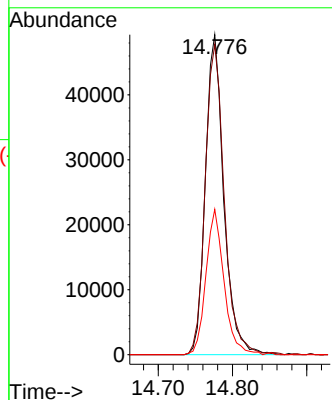
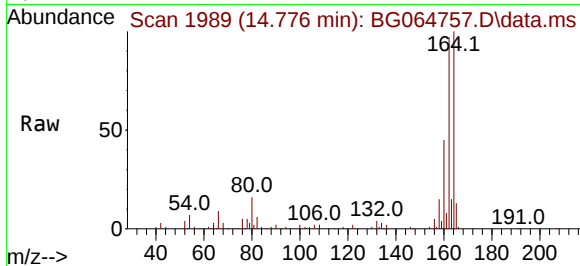




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.776 min Scan# 1989
Delta R.T. -0.001 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

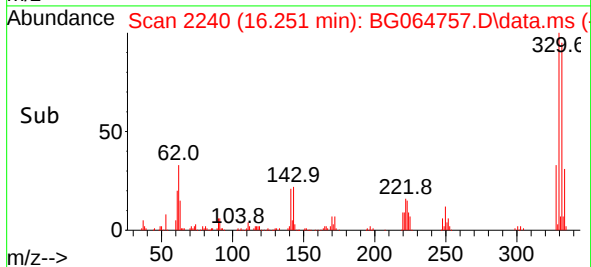
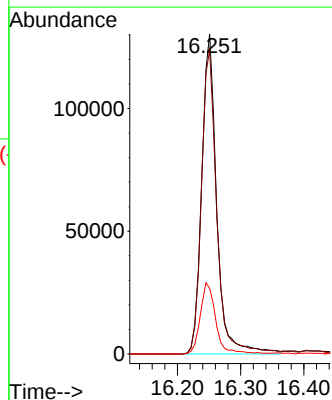
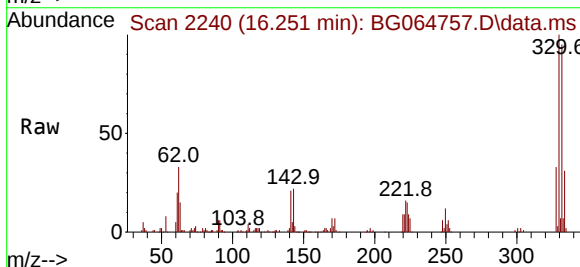
Instrument :
BNA_G
ClientSampleId :
PB170528BL

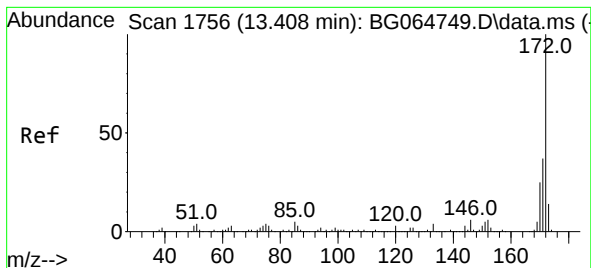
Tgt Ion:164 Resp: 85059
Ion Ratio Lower Upper
164 100
162 97.0 79.8 119.6
160 45.4 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 129.636 ng
RT: 16.251 min Scan# 2240
Delta R.T. -0.001 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

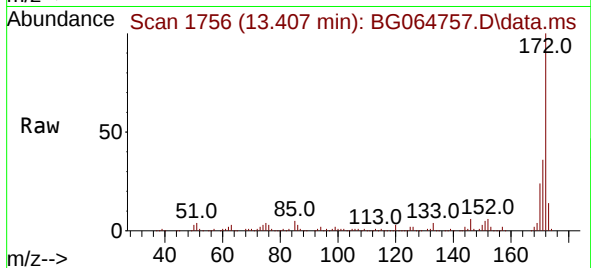
Tgt Ion:330 Resp: 215055
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 23.0 18.2 27.2



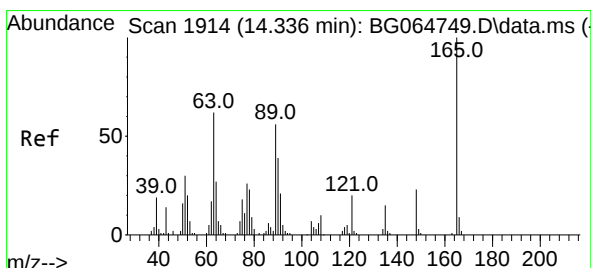
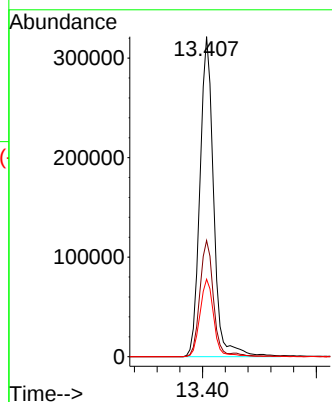
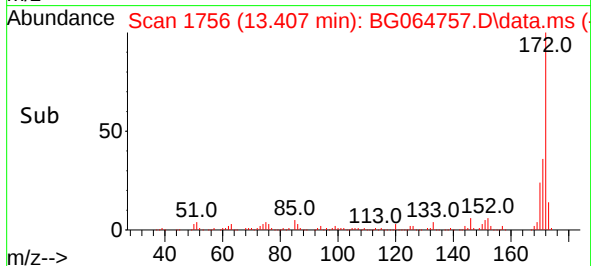


#45
2-Fluorobiphenyl
Concen: 88.655 ng
RT: 13.407 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

Instrument :
BNA_G
ClientSampleId :
PB170528BL

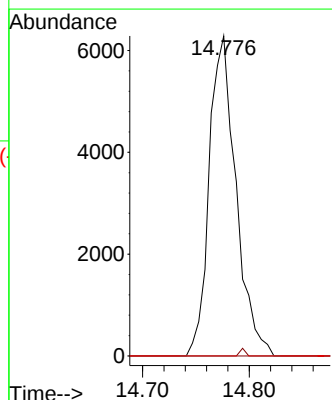
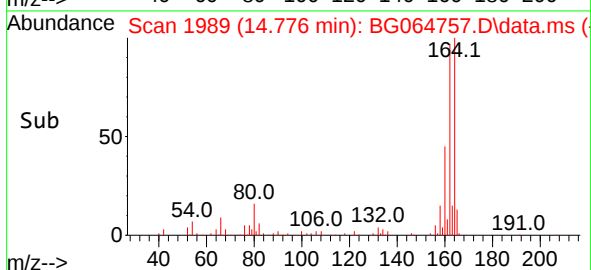
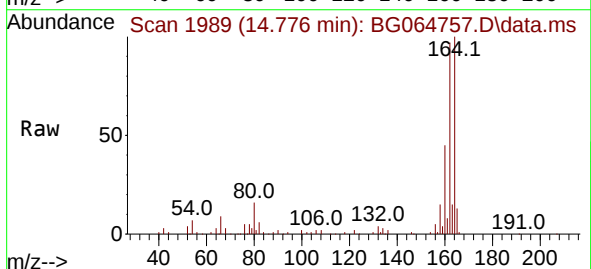


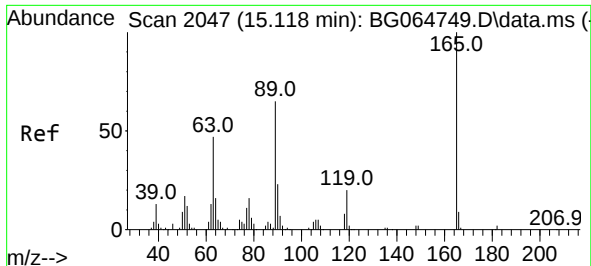
Tgt Ion:172 Resp: 540432
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 24.2 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.458 ng
RT: 14.776 min Scan# 1989
Delta R.T. 0.440 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

Tgt Ion:165 Resp: 10936
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: 5.642 ng

RT: 14.776 min Scan# 1989

Delta R.T. -0.342 min

Lab File: BG064757.D

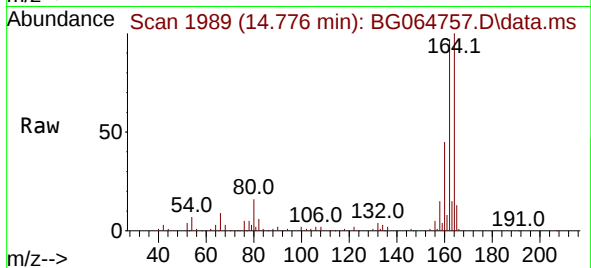
Acq: 13 Nov 2025 15:16

Instrument :

BNA_G

ClientSampleId :

PB170528BL



Tgt Ion:165 Resp: 10936

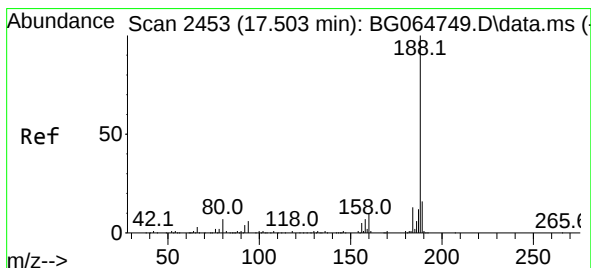
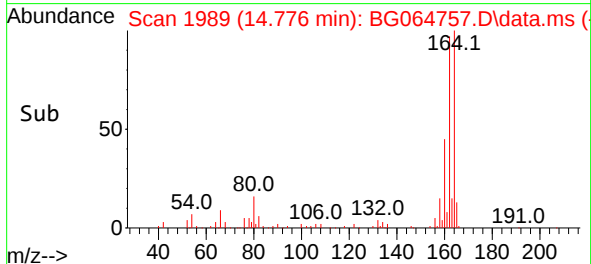
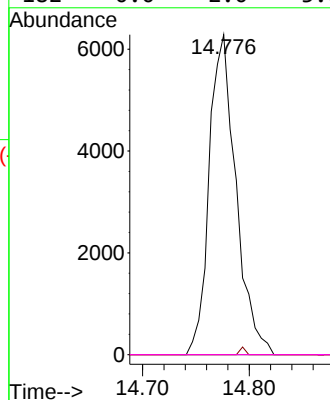
Ion Ratio Lower Upper

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: 17.502 min Scan# 2453

Delta R.T. -0.001 min

Lab File: BG064757.D

Acq: 13 Nov 2025 15:16

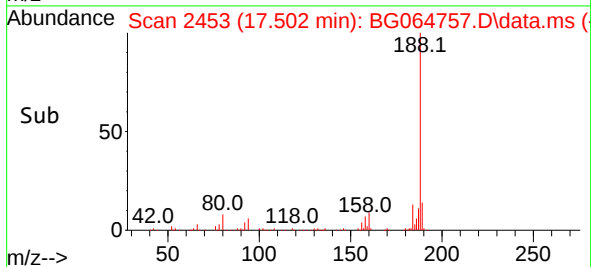
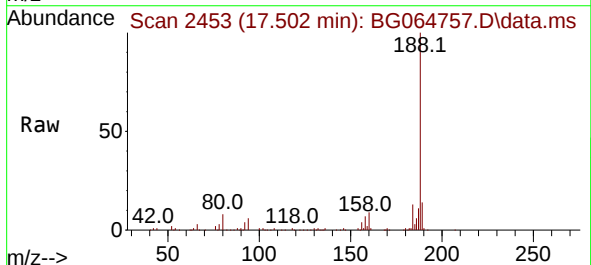
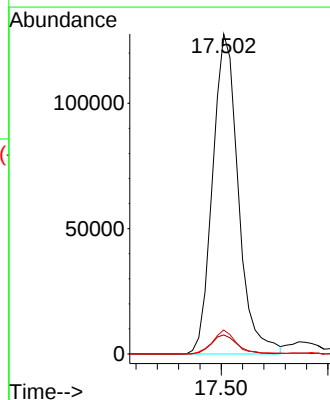
Tgt Ion:188 Resp: 213577

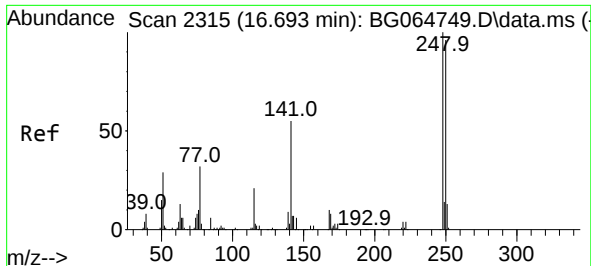
Ion Ratio Lower Upper

188 100

94 6.0 4.7 7.1

80 7.5 5.4 8.2

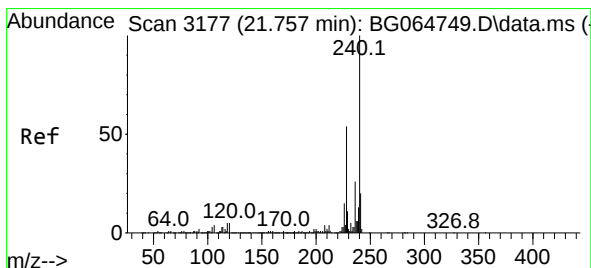
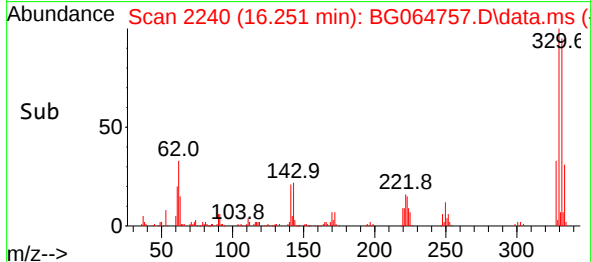
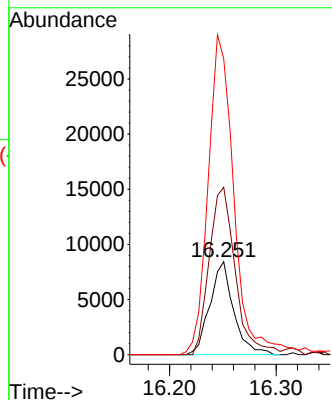
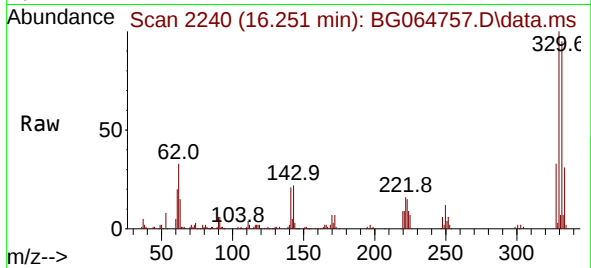




#67
4-Bromophenyl-phenylether
Concen: 4.666 ng
RT: 16.251 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

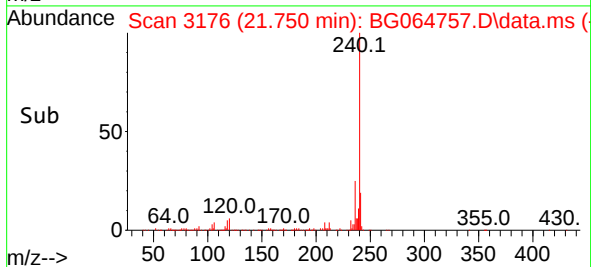
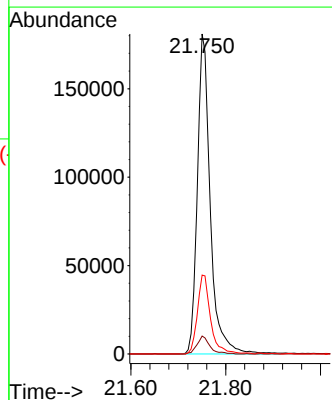
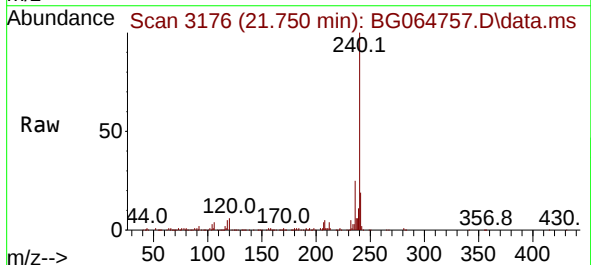
Instrument :
BNA_G
ClientSampleId :
PB170528BL

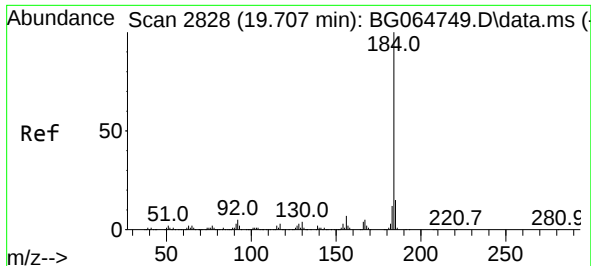
Tgt Ion:248 Resp: 13087
Ion Ratio Lower Upper
248 100
250 180.0 77.0 115.6#
141 318.2 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.007 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

Tgt Ion:240 Resp: 341171
Ion Ratio Lower Upper
240 100
120 5.6 4.2 6.4
236 24.7 20.8 31.2

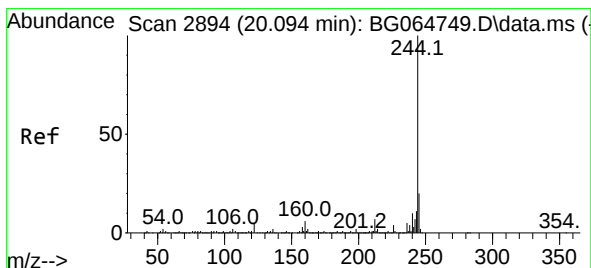
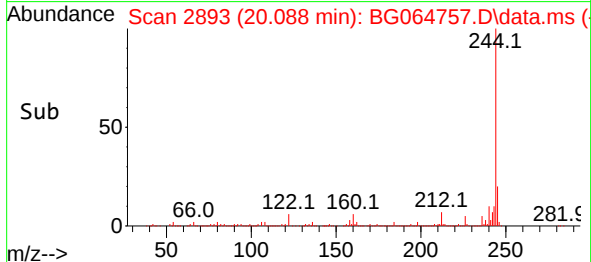
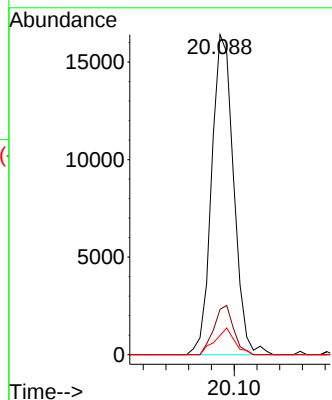
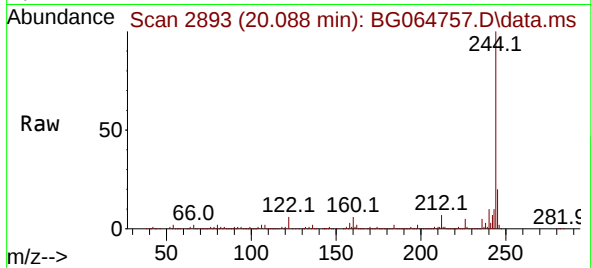




#77
Benzidine
Concen: 2.156 ng
RT: 20.088 min Scan# 21
Delta R.T. 0.381 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

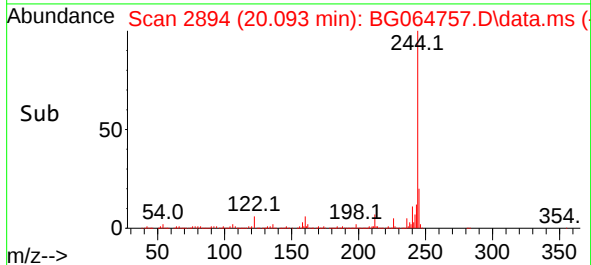
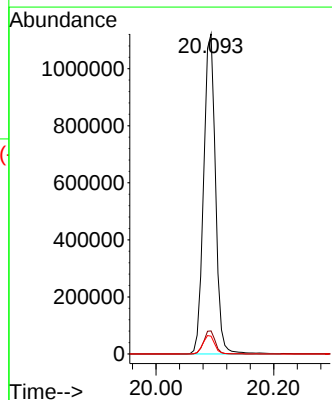
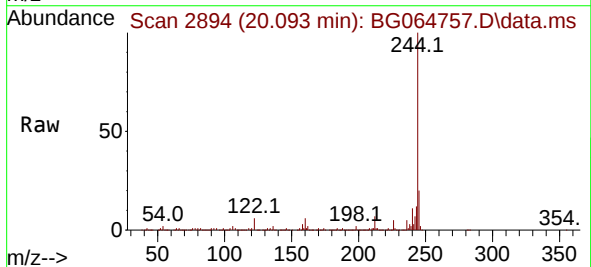
Instrument :
BNA_G
ClientSampleId :
PB170528BL

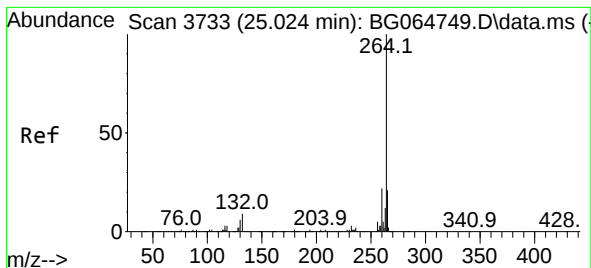
Tgt Ion:184 Resp: 22025
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.6
183 6.0 9.8 14.6#



#79
Terphenyl-d14
Concen: 90.672 ng
RT: 20.093 min Scan# 2894
Delta R.T. -0.001 min
Lab File: BG064757.D
Acq: 13 Nov 2025 15:16

Tgt Ion:244 Resp: 1572615
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 5.6 4.3 6.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.011 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: BG064757.D
 Acq: 13 Nov 2025 15:16

Instrument :
 BNA_G
 ClientSampleId :
 PB170528BL

Tgt Ion:264 Resp: 353663
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.2 25.8
 265 21.3 16.6 25.0

