

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064771.D
 Acq On : 14 Nov 2025 00:51
 Operator : RC/JU
 Sample : Q3609-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 14 05:06:13 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)

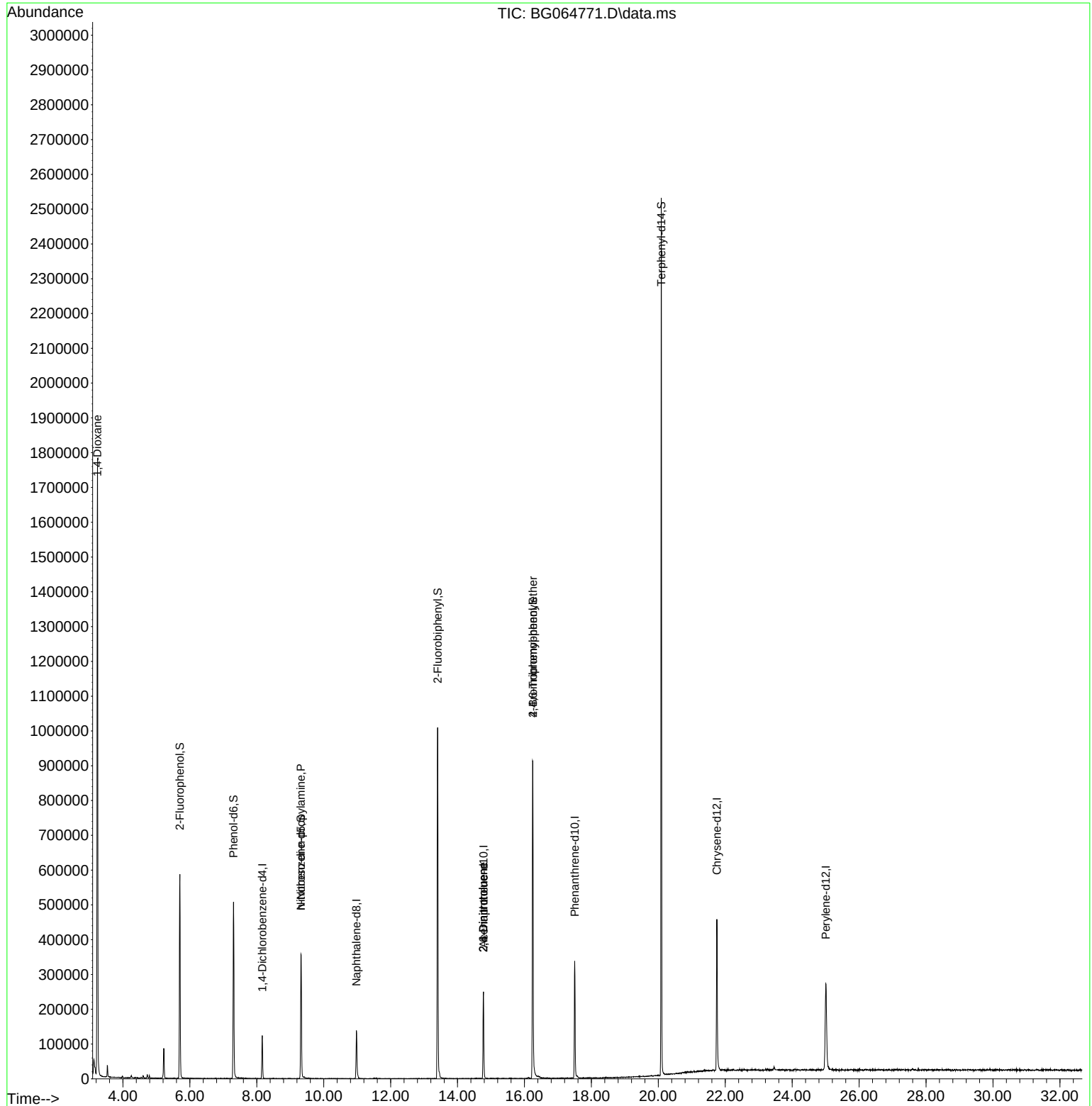
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	35095	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	128750	20.000	ng	# 0.00
39) Acenaphthene-d10	14.775	164	101421	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	245986	20.000	ng	0.00
76) Chrysene-d12	21.749	240	330051	20.000	ng	0.00
86) Perylene-d12	25.004	264	330118	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	241977	120.400	ng	0.00
7) Phenol-d6	7.307	99	282543	105.699	ng	0.00
23) Nitrobenzene-d5	9.322	82	220663	84.739	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	245311	124.018	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	584506	80.416	ng	0.00
79) Terphenyl-d14	20.086	244	1378740	82.172	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.235	88	15085	19.388	ng	# 1
19) n-Nitroso-di-n-propyla...	9.322	70	29473	16.307	ng	# 64
51) 2,6-Dinitrotoluene	14.769	165	12702	8.239	ng	# 21
57) 2,4-Dinitrotoluene	14.769	165	12702	5.496	ng	# 24
67) 4-Bromophenyl-phenylether	16.249	248	15238	4.717	ng	# 1

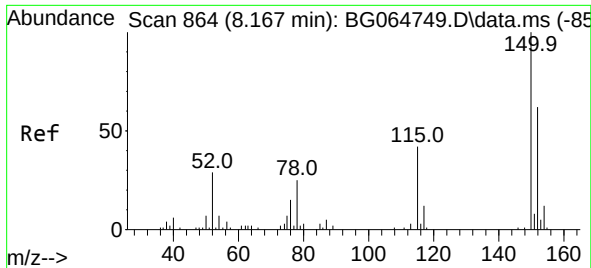
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

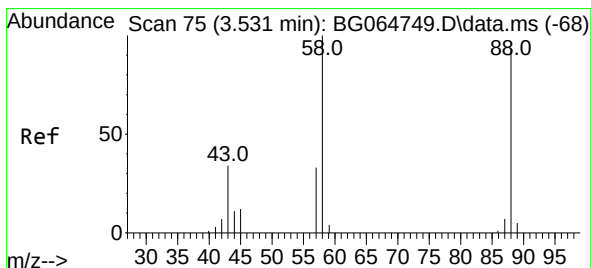
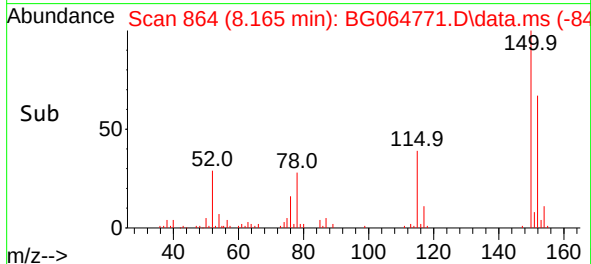
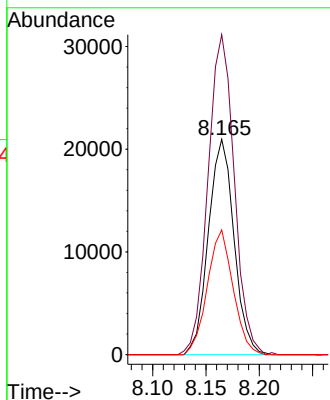
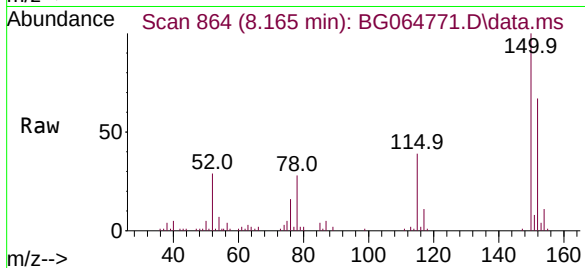




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064771.D
 Acq: 14 Nov 2025 00:51

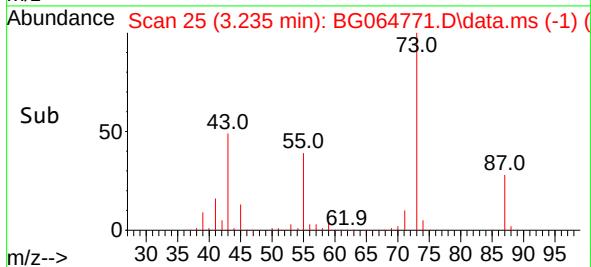
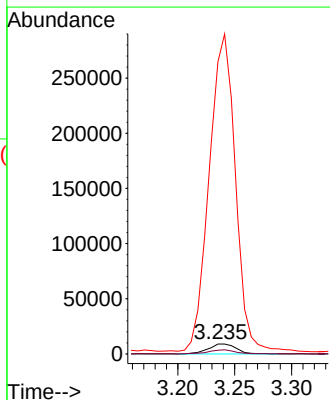
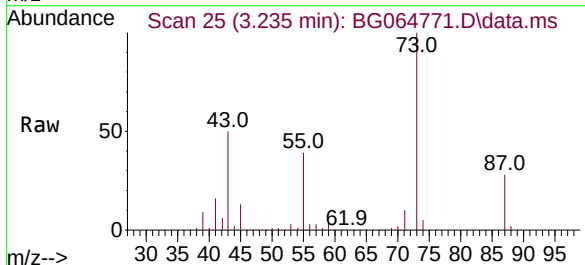
Instrument :
 BNA_G
 ClientSampleId :

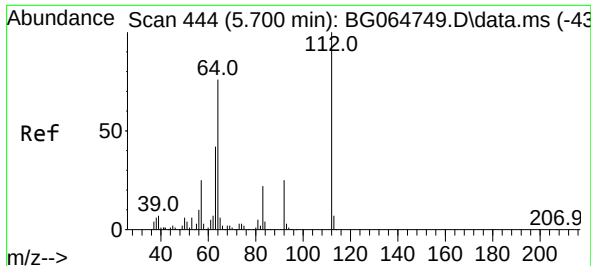
Tgt Ion:152 Resp: 35095
 Ion Ratio Lower Upper
 152 100
 150 148.6 129.2 193.8
 115 57.9 53.7 80.5



#2
 1,4-Dioxane
 Concen: 19.388 ng
 RT: 3.235 min Scan# 25
 Delta R.T. -0.296 min
 Lab File: BG064771.D
 Acq: 14 Nov 2025 00:51

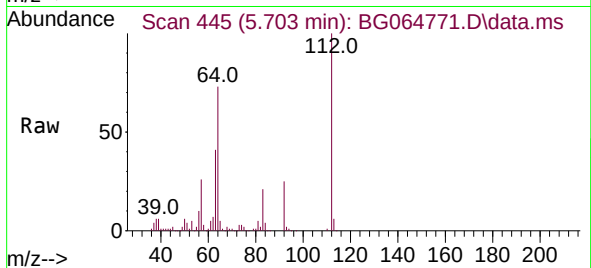
Tgt Ion: 88 Resp: 15085
 Ion Ratio Lower Upper
 88 100
 58 40.7 84.6 126.8#
 43 3068.1 30.0 45.0#



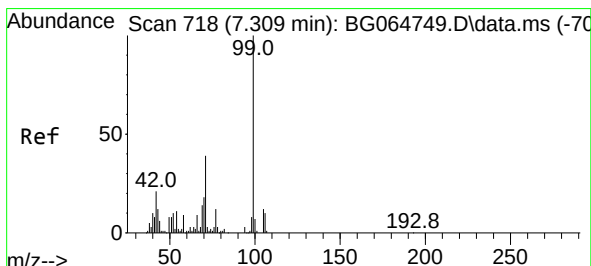
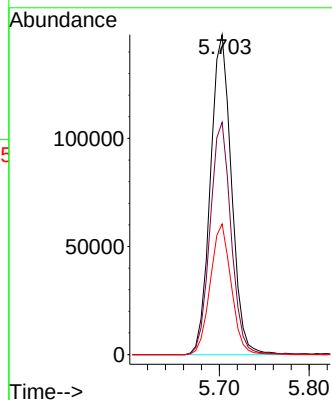
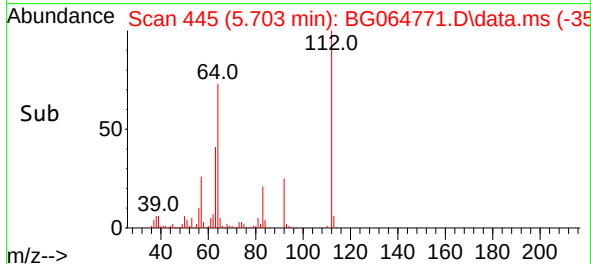


#5
2-Fluorophenol
Concen: 120.400 ng
RT: 5.703 min Scan# 444
Delta R.T. 0.003 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

Instrument :
BNA_G
ClientSampleId :

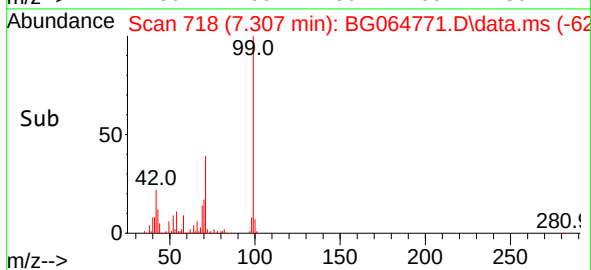
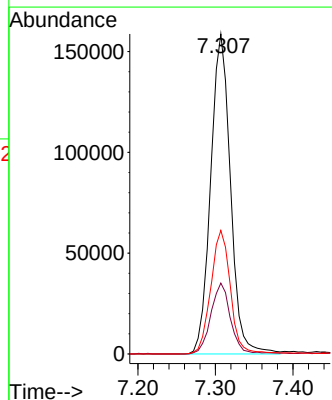
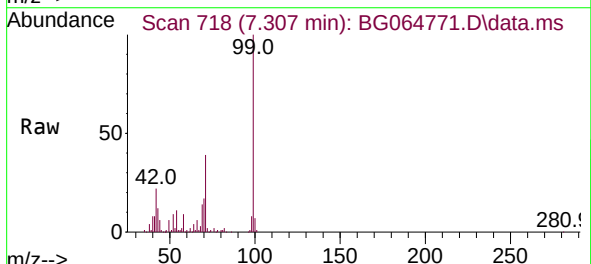


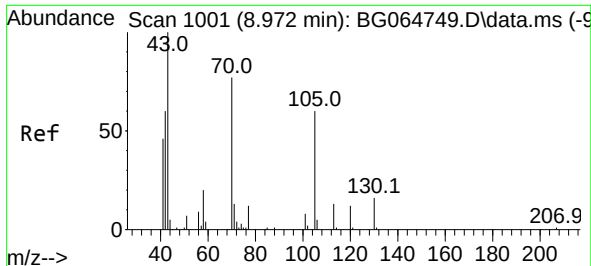
Tgt Ion:112 Resp: 241977
Ion Ratio Lower Upper
112 100
64 72.6 61.0 91.4
63 40.8 33.3 49.9



#7
Phenol-d6
Concen: 105.699 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

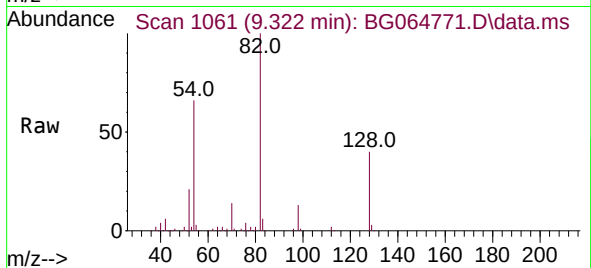
Tgt Ion: 99 Resp: 282543
Ion Ratio Lower Upper
99 100
42 22.1 16.8 25.2
71 38.6 31.1 46.7



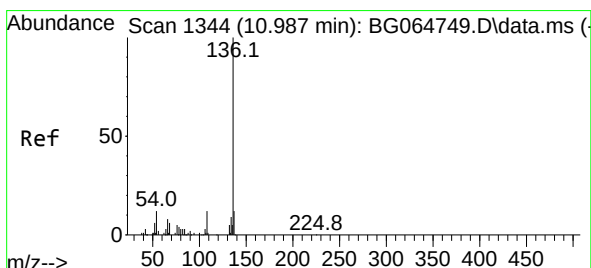
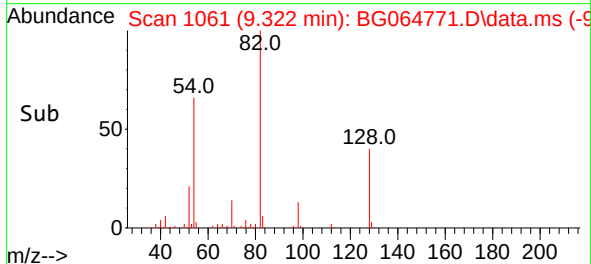
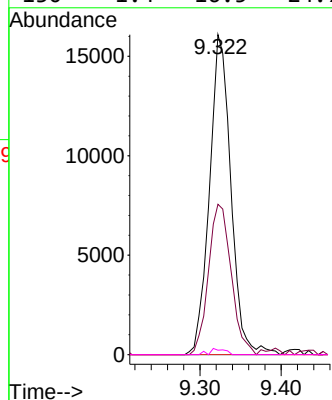


#19
n-Nitroso-di-n-propylamine
Concen: 16.307 ng
RT: 9.322 min Scan# 10
Delta R.T. 0.350 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

Instrument :
BNA_G
ClientSampleId :

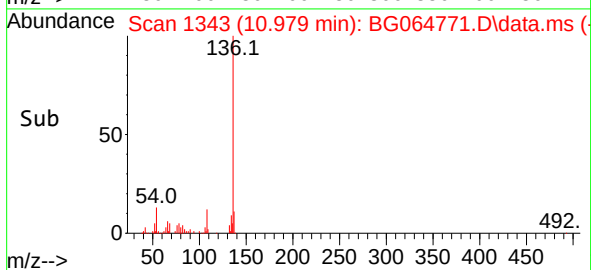
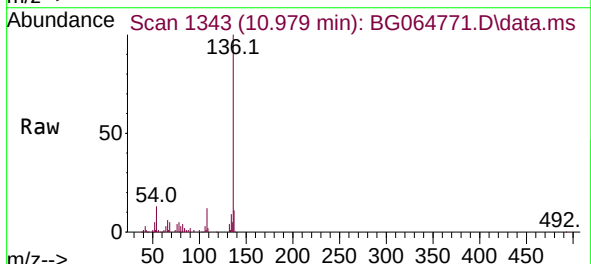
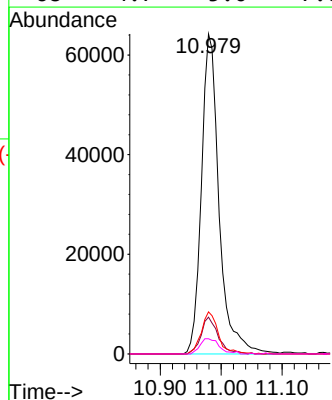


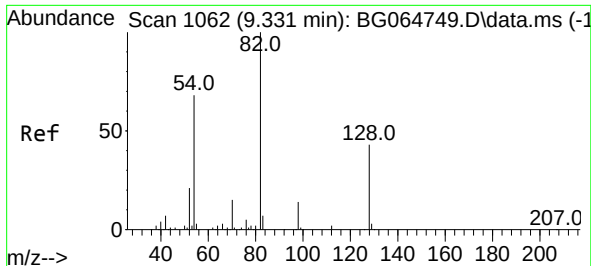
Tgt Ion: 70 Resp: 29473
Ion Ratio Lower Upper
70 100
42 47.0 62.6 93.8#
101 0.0 8.0 12.0#
130 1.4 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

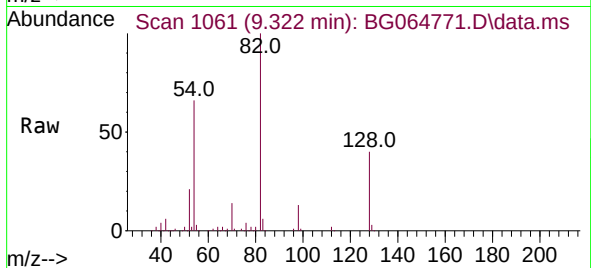
Tgt Ion: 136 Resp: 128750
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 13.1 9.3 13.9
68 4.7 5.0 7.6#



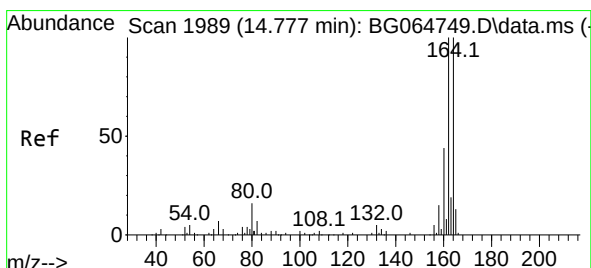
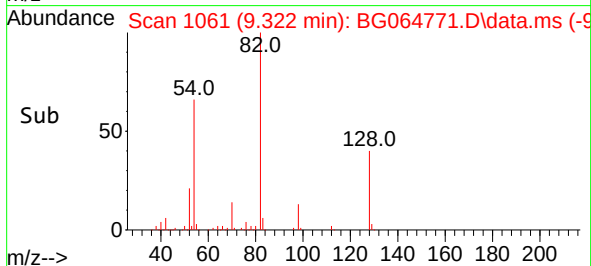
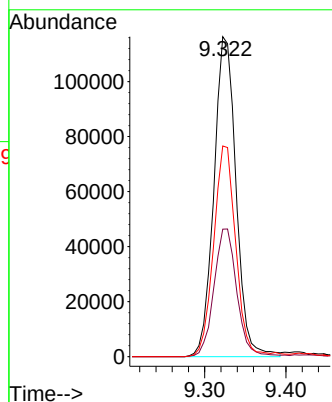


#23
Nitrobenzene-d5
Concen: 84.739 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.008 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

Instrument :
BNA_G
ClientSampleId :

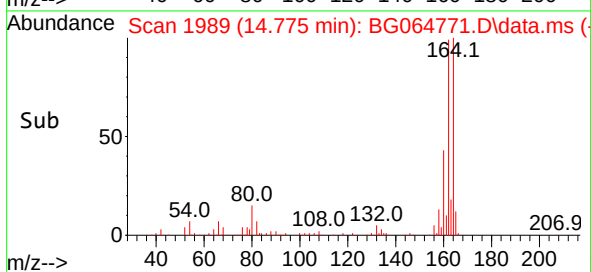
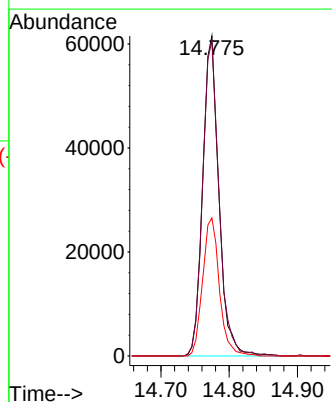
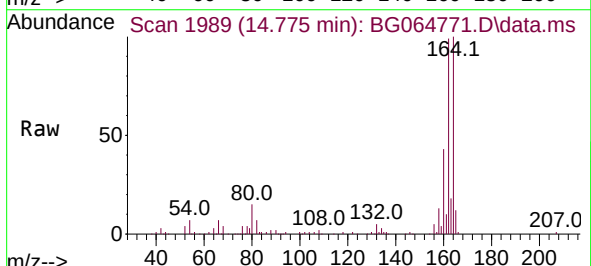


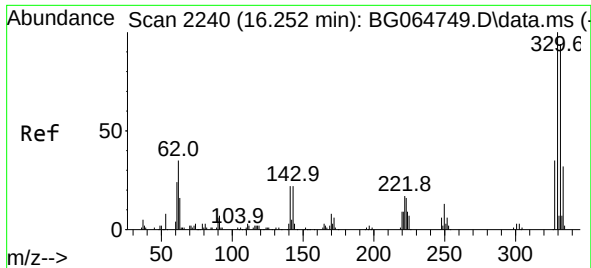
Tgt Ion: 82 Resp: 220663
Ion Ratio Lower Upper
82 100
128 39.8 34.1 51.1
54 65.8 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 1989
Delta R.T. -0.002 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

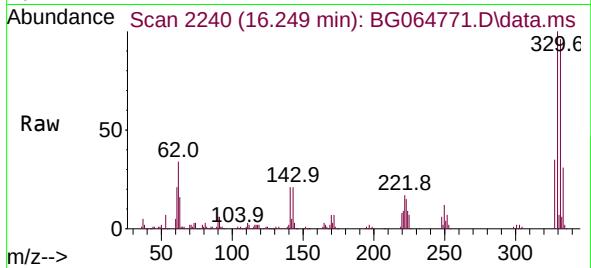
Tgt Ion: 164 Resp: 101421
Ion Ratio Lower Upper
164 100
162 98.5 79.8 119.6
160 43.1 34.9 52.3



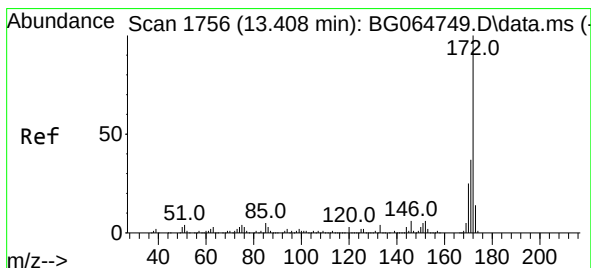
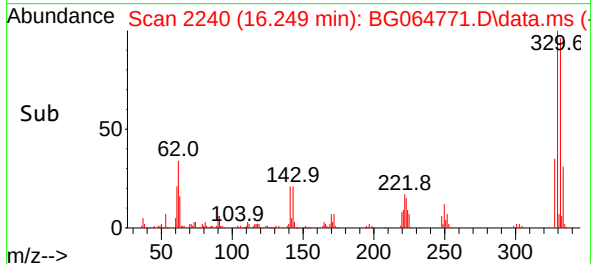
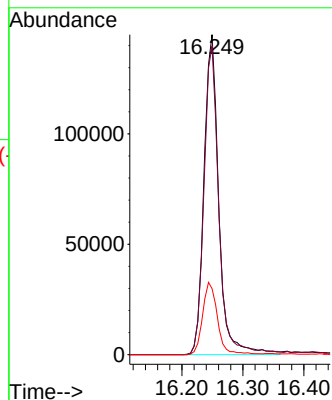


#42
 2,4,6-Tribromophenol
 Concen: 124.018 ng
 RT: 16.249 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG064771.D
 Acq: 14 Nov 2025 00:51

Instrument :
 BNA_G
 ClientSampleId :

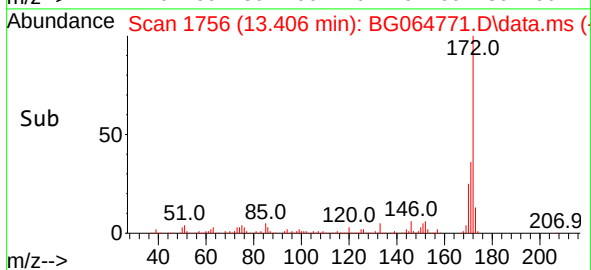
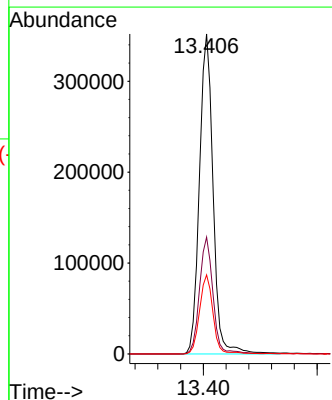
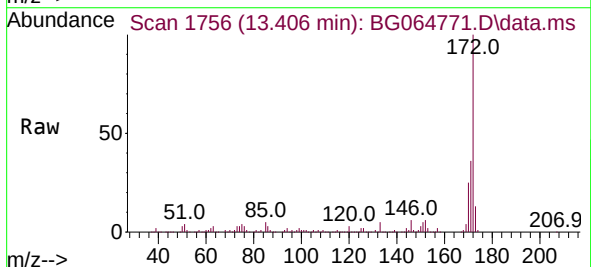


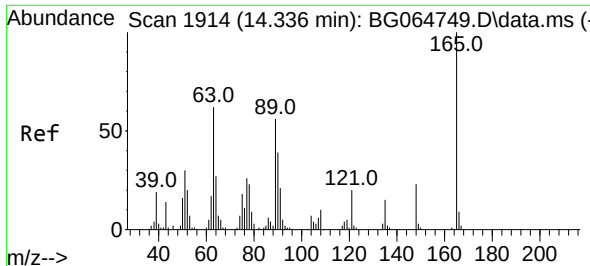
Tgt Ion:330 Resp: 245311
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 22.7 18.2 27.2



#45
 2-Fluorobiphenyl
 Concen: 80.416 ng
 RT: 13.406 min Scan# 1756
 Delta R.T. -0.002 min
 Lab File: BG064771.D
 Acq: 14 Nov 2025 00:51

Tgt Ion:172 Resp: 584506
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.9 44.9
 170 24.7 19.8 29.6

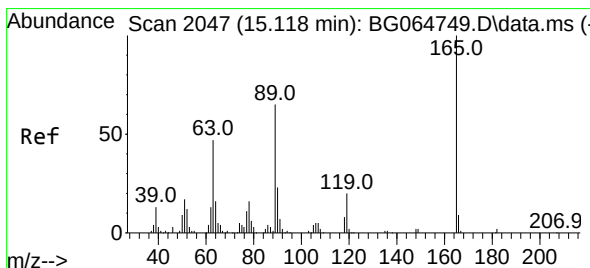
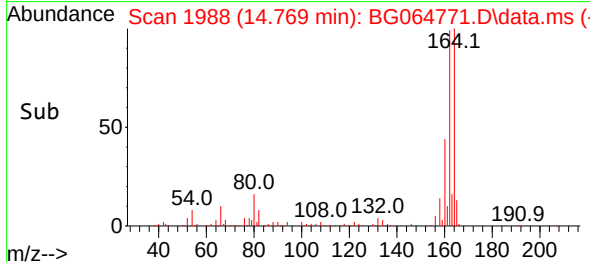
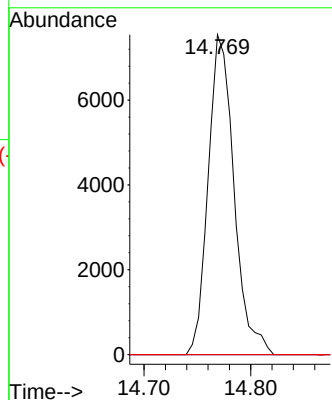
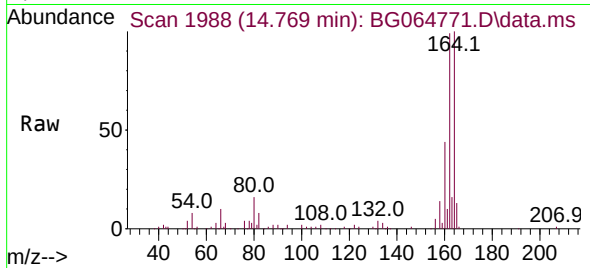




#51
2,6-Dinitrotoluene
Concen: 8.239 ng
RT: 14.769 min Scan# 1914
Delta R.T. 0.432 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

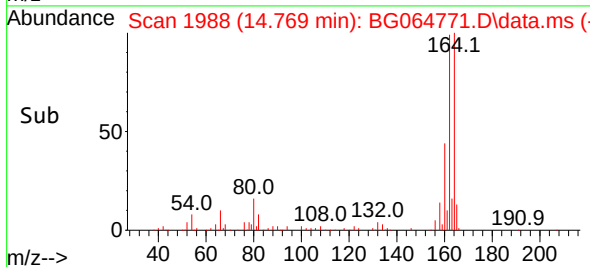
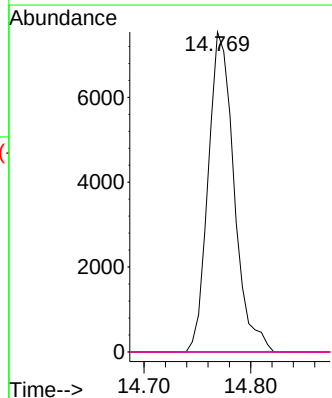
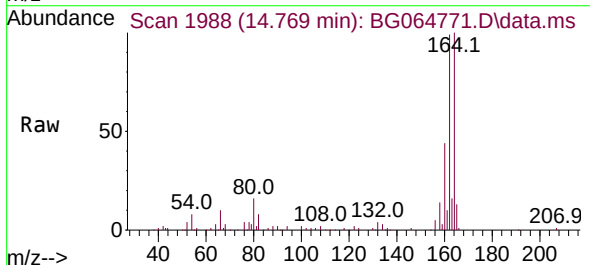
Instrument :
BNA_G
ClientSampleId :

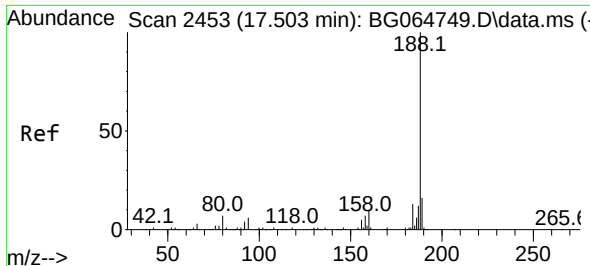
Tgt Ion:165 Resp: 12702
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.496 ng
RT: 14.769 min Scan# 1988
Delta R.T. -0.349 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

Tgt Ion:165 Resp: 12702
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#

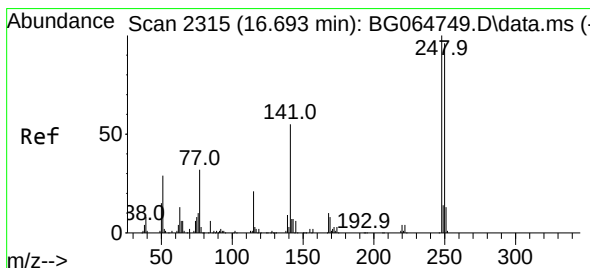
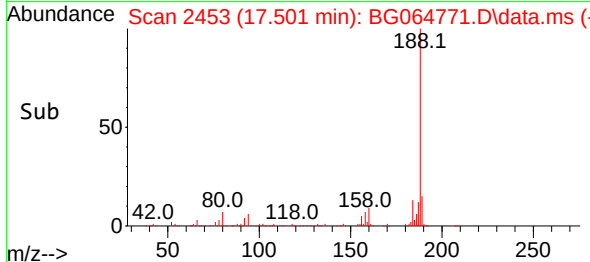
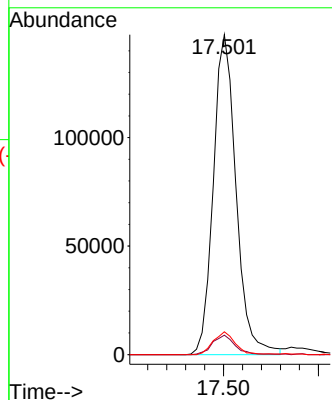
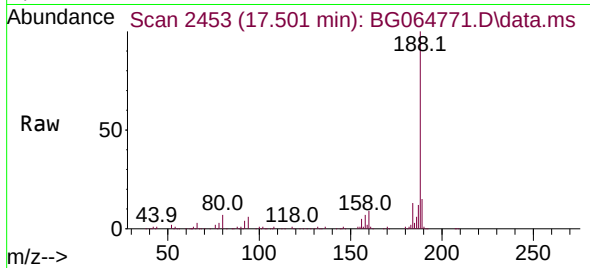




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

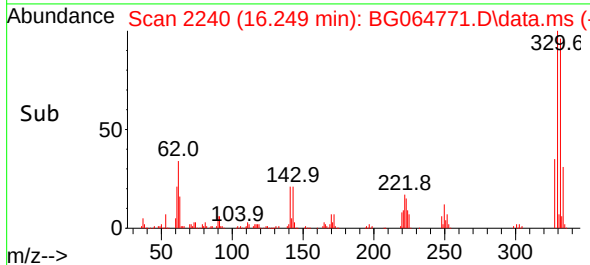
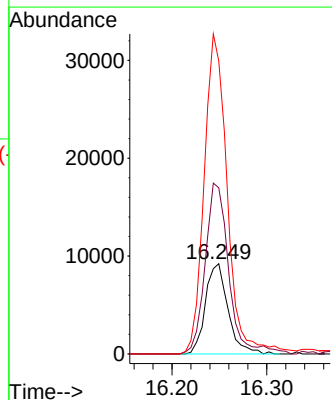
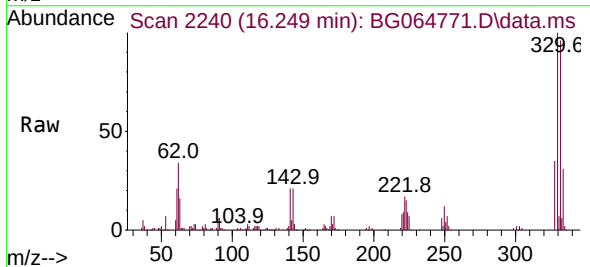
Instrument :
BNA_G
ClientSampleId :

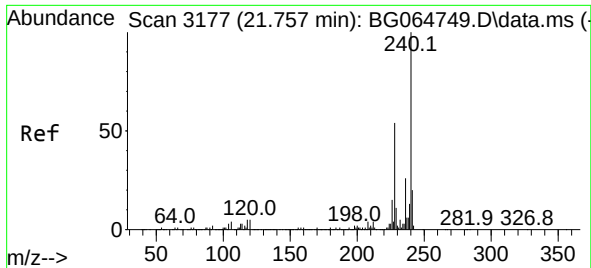
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	4.7	7.1
80	7.1	5.4	8.2



#67
4-Bromophenyl-phenylether
Concen: 4.717 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.443 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

Tgt Ion	Ratio	Lower	Upper
248	100		
250	245.9	77.0	115.6#
141	324.7	43.7	65.5#

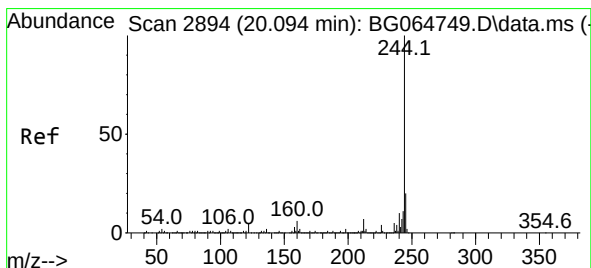
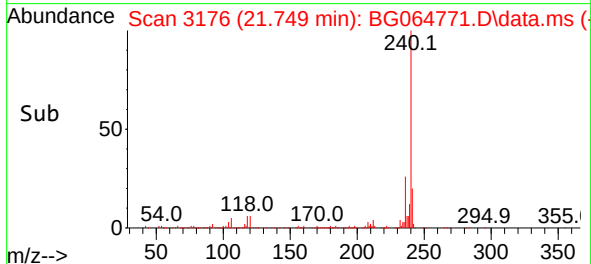
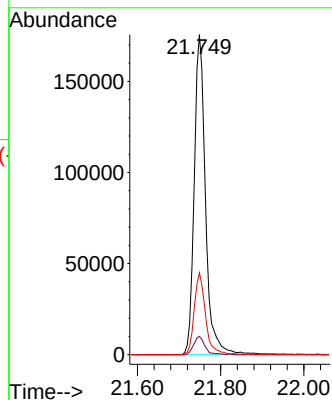
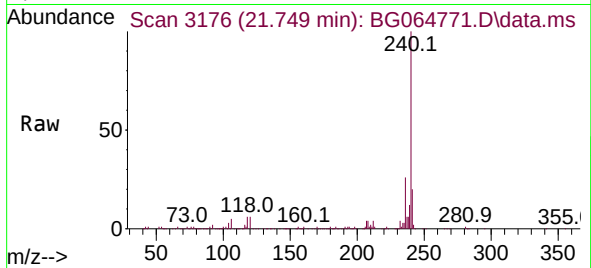




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.008 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

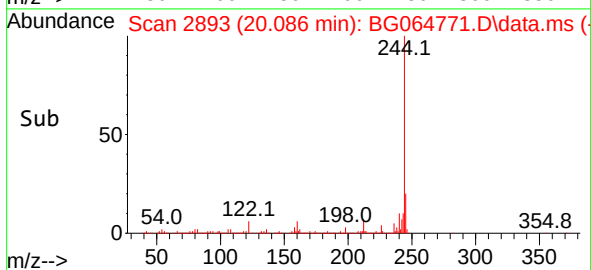
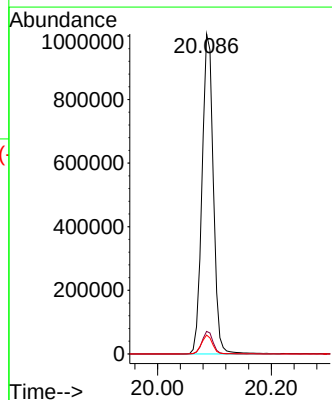
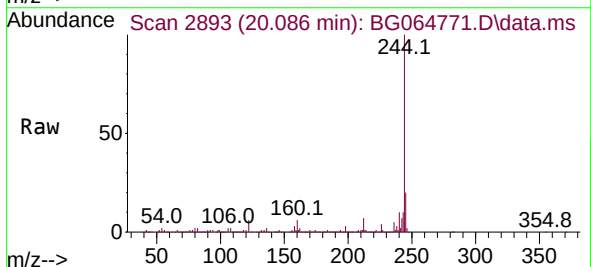
Instrument :
BNA_G
ClientSampleId :

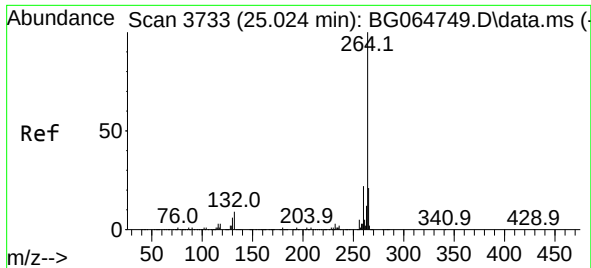
Tgt Ion:240 Resp: 330051
Ion Ratio Lower Upper
240 100
120 5.7 4.2 6.4
236 25.6 20.8 31.2



#79
Terphenyl-d14
Concen: 82.172 ng
RT: 20.086 min Scan# 2893
Delta R.T. -0.008 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

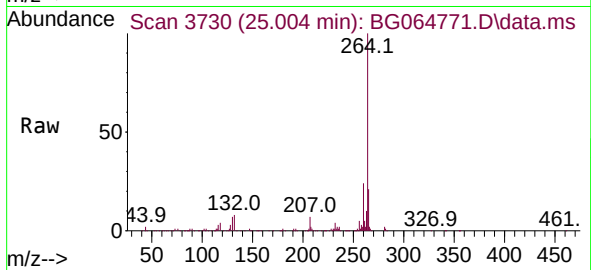
Tgt Ion:244 Resp: 1378740
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 5.9 4.3 6.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 31
Delta R.T. -0.020 min
Lab File: BG064771.D
Acq: 14 Nov 2025 00:51

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:264 Resp: 330118
Ion Ratio Lower Upper
264 100
260 23.8 17.2 25.8
265 21.5 16.6 25.0

