

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
 Data File : BG064925.D
 Acq On : 10 Dec 2025 17:51
 Operator : RC/JU
 Sample : Q3814-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-12

Quant Time: Dec 10 23:35:54 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)

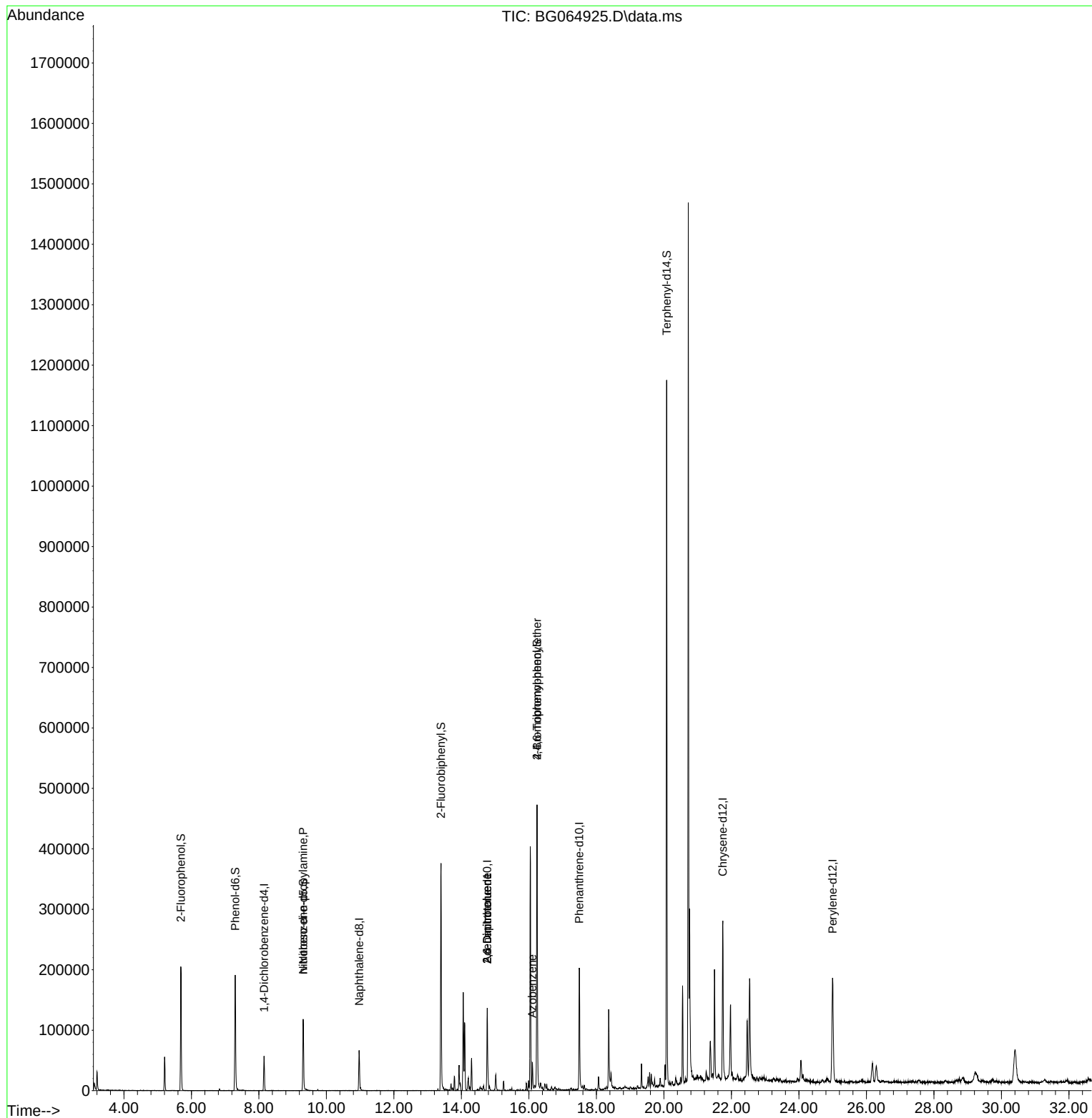
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	16713	20.000	ng	-0.01
21) Naphthalene-d8	10.970	136	62713	20.000	ng	#-0.02
39) Acenaphthene-d10	14.765	164	55363	20.000	ng	-0.01
64) Phenanthrene-d10	17.491	188	148115	20.000	ng	#-0.01
76) Chrysene-d12	21.745	240	194616	20.000	ng	#-0.01
86) Perylene-d12	25.000	264	219843	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.688	112	83723	87.476	ng	-0.01
7) Phenol-d6	7.298	99	103868	81.594	ng	-0.01
23) Nitrobenzene-d5	9.313	82	67288	53.050	ng	-0.02
42) 2,4,6-Tribromophenol	16.240	330	117505	108.826	ng	-0.01
45) 2-Fluorobiphenyl	13.396	172	225905	56.936	ng	-0.01
79) Terphenyl-d14	20.083	244	642569	64.948	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.313	70	9842	11.435	ng	# 63
51) 2,6-Dinitrotoluene	14.765	165	6675	7.932	ng	# 21
57) 2,4-Dinitrotoluene	14.765	165	6675	5.291	ng	# 24
63) Azobenzene	16.099	77	12859	3.690	ng	# 1
67) 4-Bromophenyl-phenylether	16.240	248	7085	3.643	ng	# 1

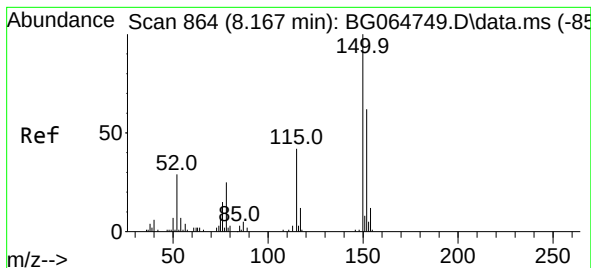
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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Quant Time: Dec 10 23:35:54 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

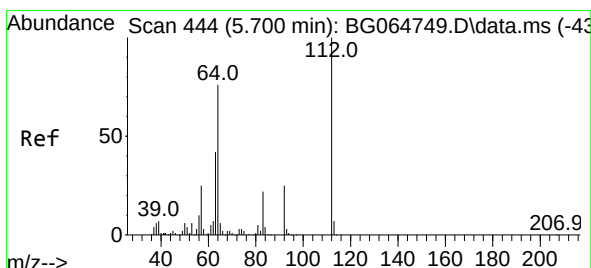
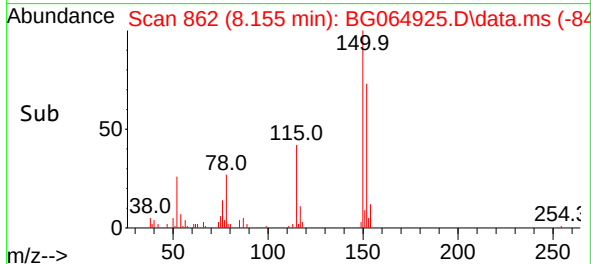
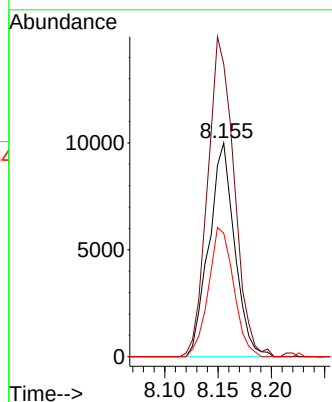
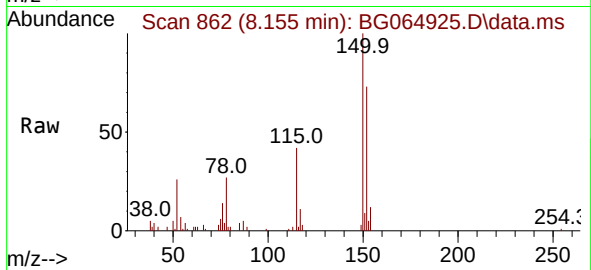




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.155 min Scan# 80
Delta R.T. -0.012 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

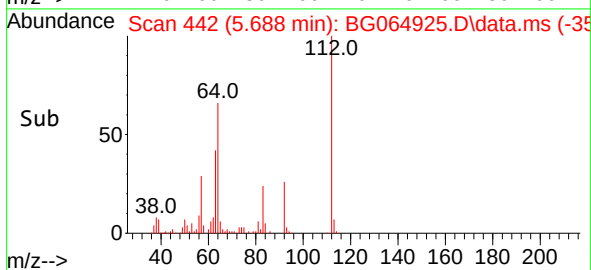
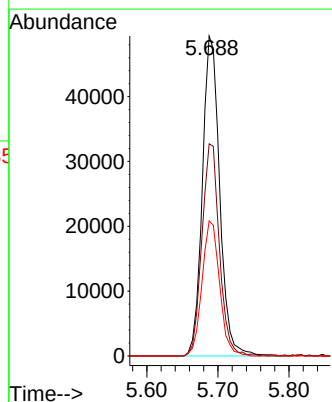
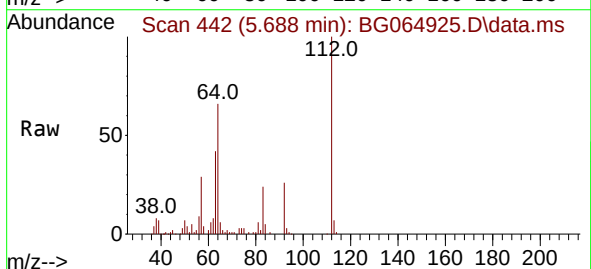
Instrument :
BNA_G
ClientSampleId :
TP-12

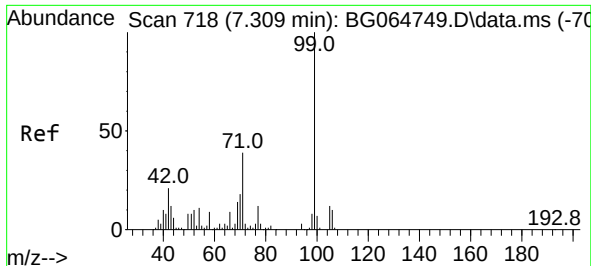
Tgt Ion:152 Resp: 16713
Ion Ratio Lower Upper
152 100
150 136.9 129.2 193.8
115 57.8 53.7 80.5



#5
2-Fluorophenol
Concen: 87.476 ng
RT: 5.688 min Scan# 442
Delta R.T. -0.012 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

Tgt Ion:112 Resp: 83723
Ion Ratio Lower Upper
112 100
64 66.3 61.0 91.4
63 42.2 33.3 49.9

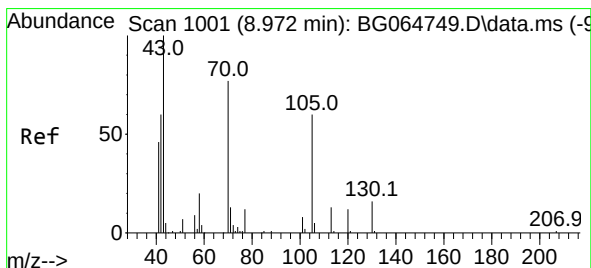
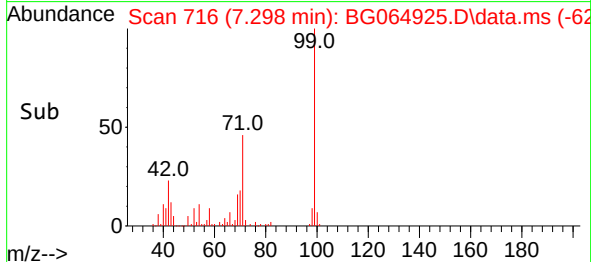
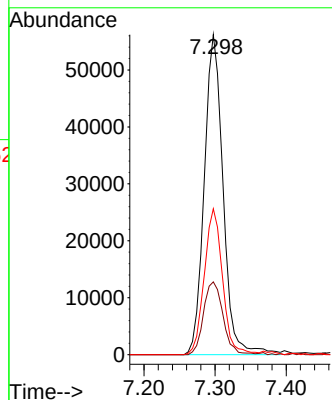
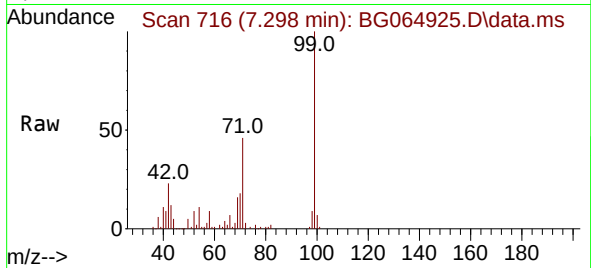




#7
Phenol-d6
Concen: 81.594 ng
RT: 7.298 min Scan# 71
Delta R.T. -0.012 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

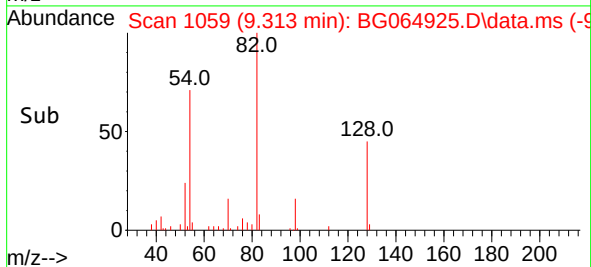
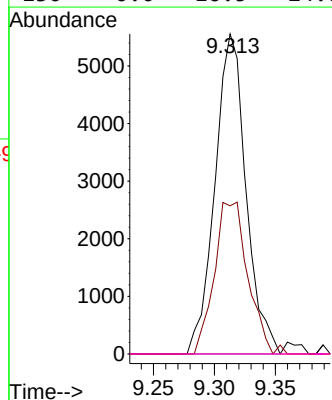
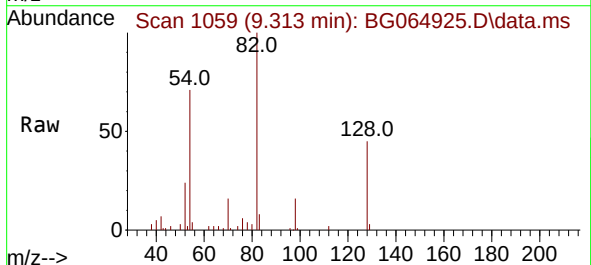
Instrument :
BNA_G
ClientSampleId :
TP-12

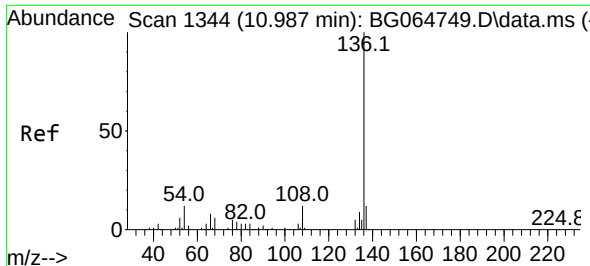
Tgt Ion: 99 Resp: 103868
Ion Ratio Lower Upper
99 100
42 22.7 16.8 25.2
71 45.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.435 ng
RT: 9.313 min Scan# 1059
Delta R.T. 0.341 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

Tgt Ion: 70 Resp: 9842
Ion Ratio Lower Upper
70 100
42 46.3 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

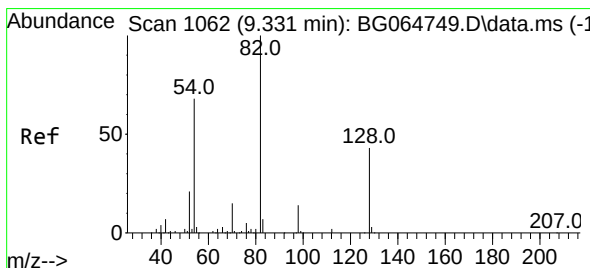
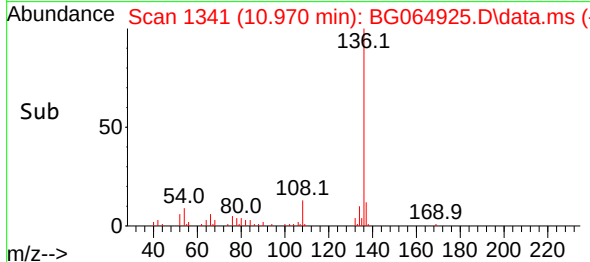
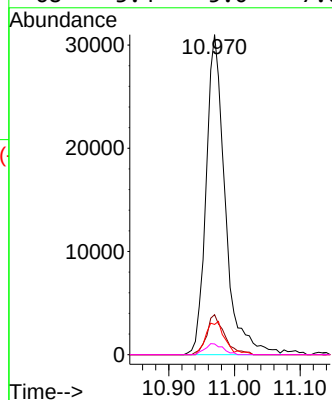
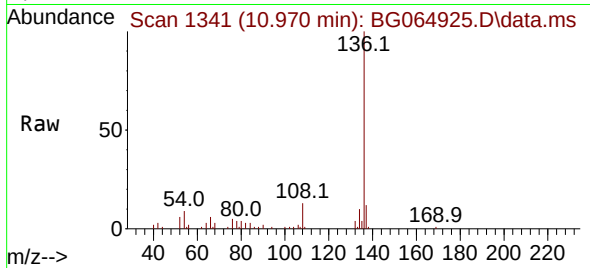




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 11
Delta R.T. -0.017 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

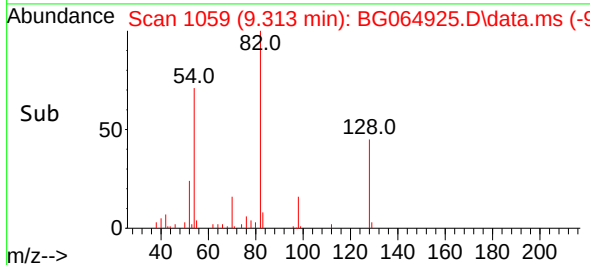
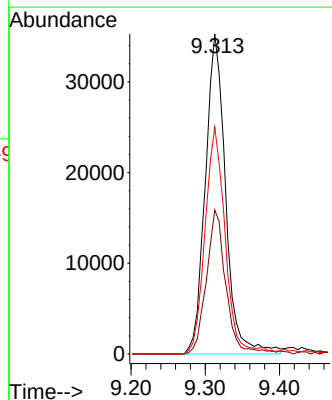
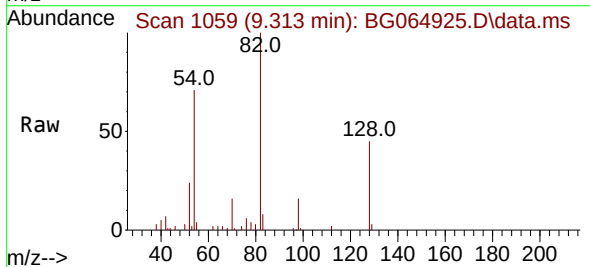
Instrument :
BNA_G
ClientSampleId :
TP-12

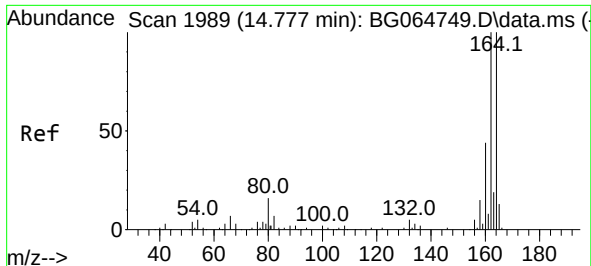
Tgt	Ion:136	Resp:	62713
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.3	13.9
54	9.5	9.3	13.9
68	3.4	5.0	7.6#



#23
Nitrobenzene-d5
Concen: 53.050 ng
RT: 9.313 min Scan# 1059
Delta R.T. -0.018 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

Tgt Ion: 82	Resp: 67288
Ion Ratio	Lower Upper
82 100	
128 44.9	34.1 51.1
54 70.8	54.3 81.5

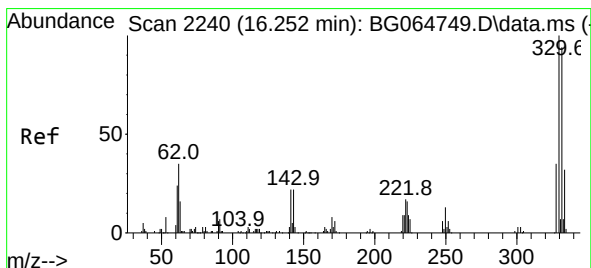
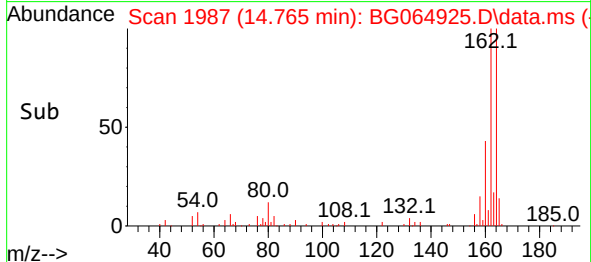
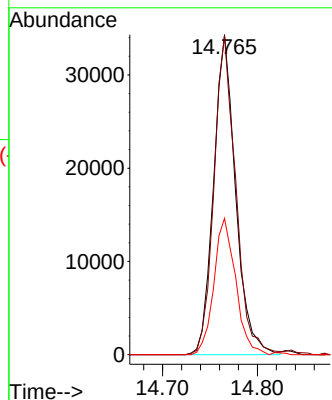
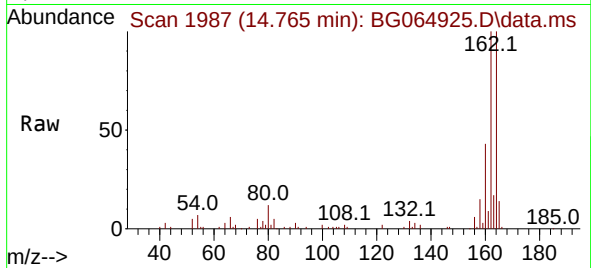




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.765 min Scan# 1989
Delta R.T. -0.012 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

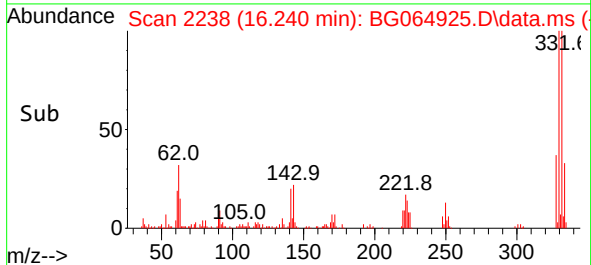
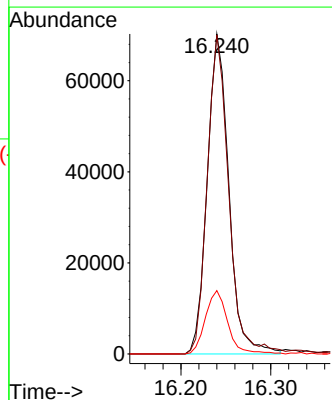
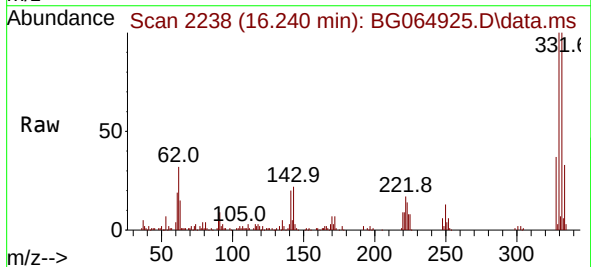
Instrument :
BNA_G
ClientSampleId :
TP-12

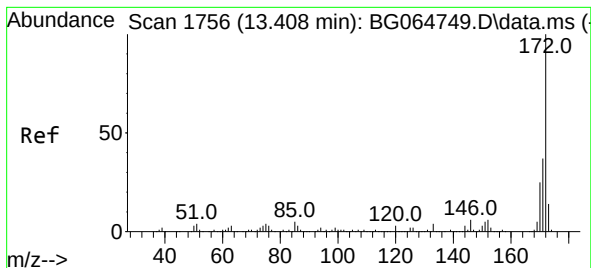
Tgt Ion:164 Resp: 55363
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.6
160 42.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 108.826 ng
RT: 16.240 min Scan# 2238
Delta R.T. -0.012 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

Tgt Ion:330 Resp: 117505
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 20.5 18.2 27.2





#45

2-Fluorobiphenyl

Concen: 56.936 ng

RT: 13.396 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG064925.D

Acq: 10 Dec 2025 17:51

Instrument :

BNA_G

ClientSampleId :

TP-12

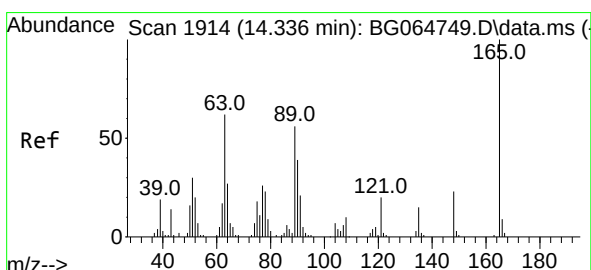
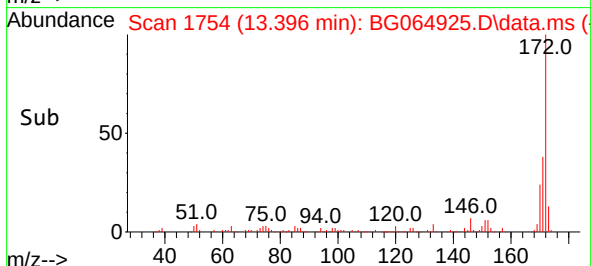
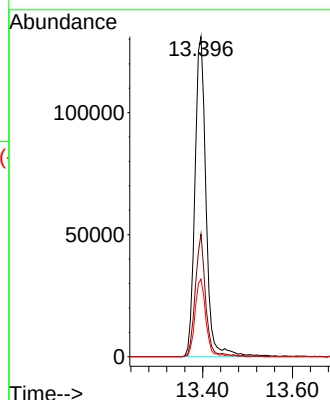
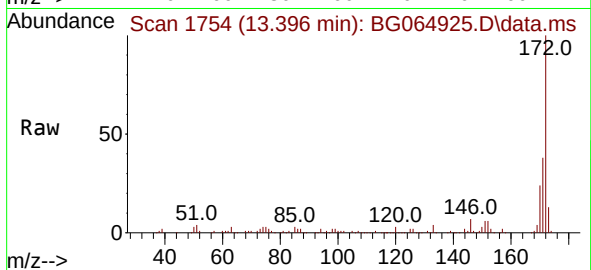
Tgt Ion:172 Resp: 225905

Ion Ratio Lower Upper

172 100

171 38.3 29.9 44.9

170 24.2 19.8 29.6



#51

2,6-Dinitrotoluene

Concen: 7.932 ng

RT: 14.765 min Scan# 1987

Delta R.T. 0.429 min

Lab File: BG064925.D

Acq: 10 Dec 2025 17:51

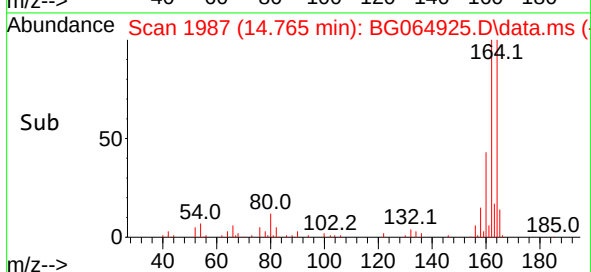
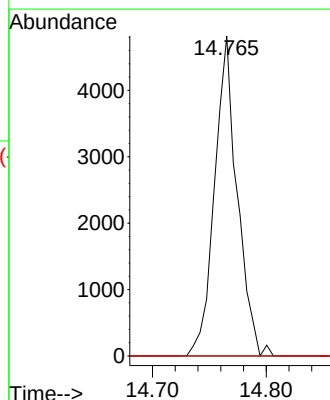
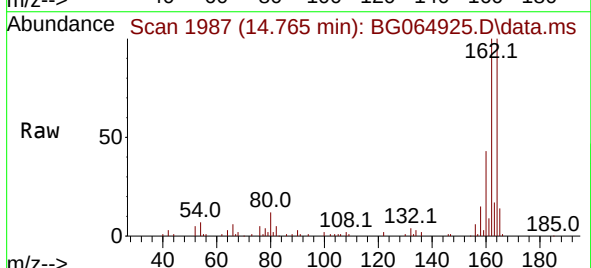
Tgt Ion:165 Resp: 6675

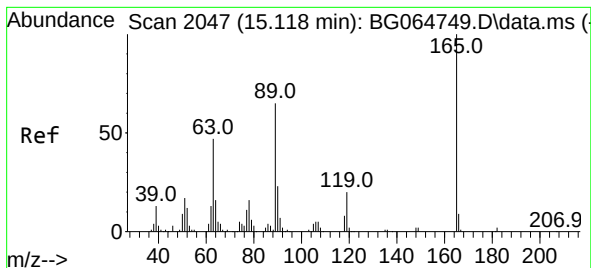
Ion Ratio Lower Upper

165 100

63 0.0 49.8 74.8#

89 0.0 45.0 67.4#

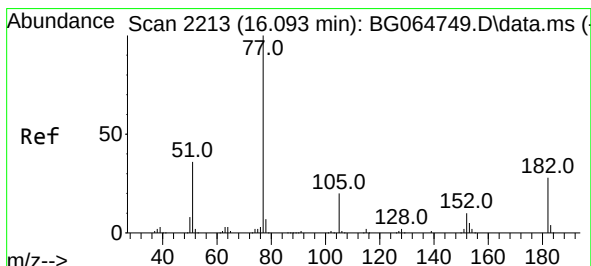
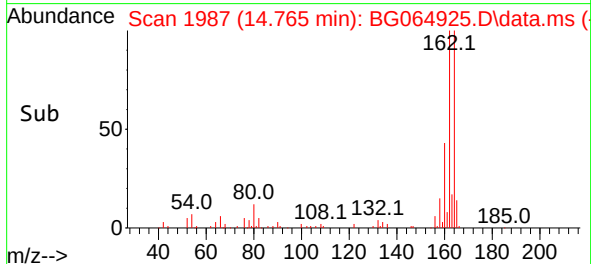
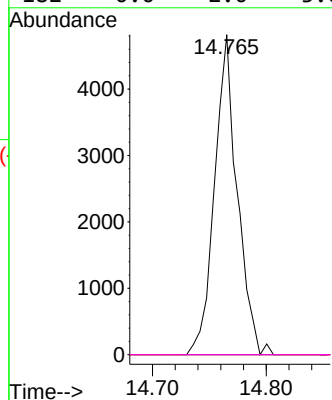
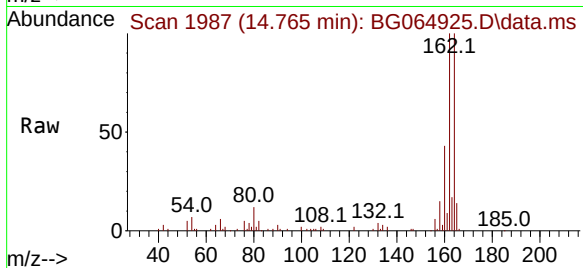




#57
2,4-Dinitrotoluene
Concen: 5.291 ng
RT: 14.765 min Scan# 1987
Delta R.T. -0.353 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

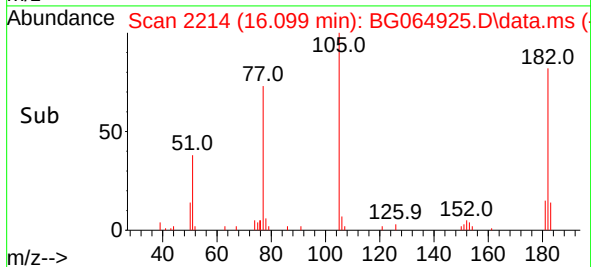
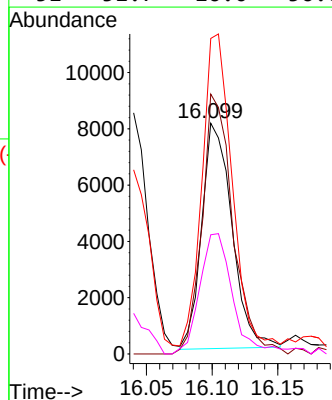
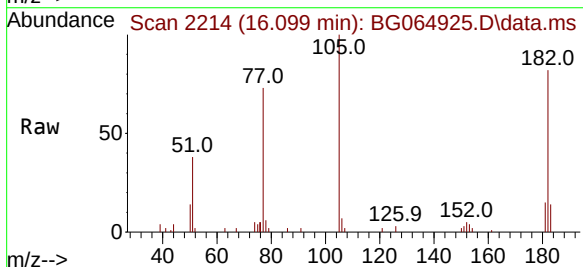
Instrument :
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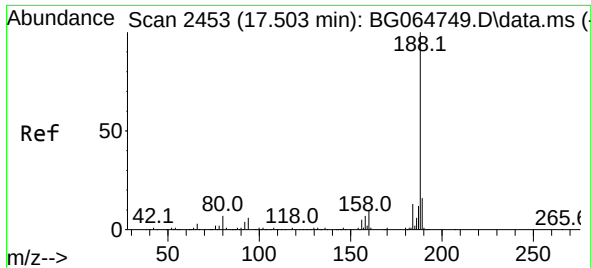
Tgt Ion:165 Resp: 6675
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 3.690 ng
RT: 16.099 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

Tgt Ion: 77 Resp: 12859
Ion Ratio Lower Upper
77 100
182 112.6 8.1 48.1#
105 136.8 0.1 40.1#
51 51.7 16.0 56.0

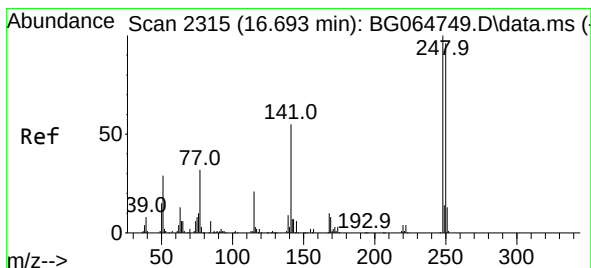
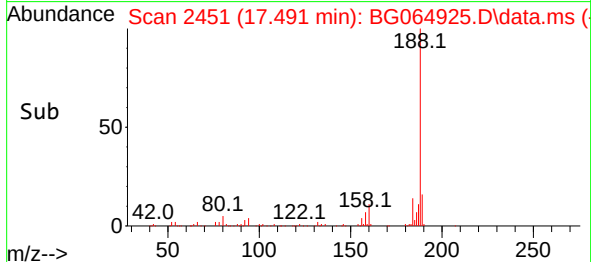
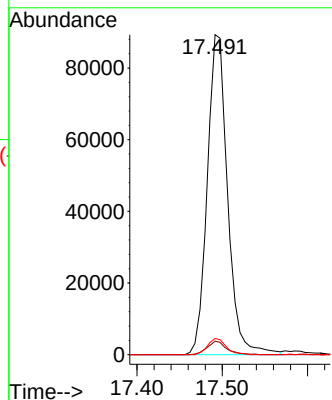
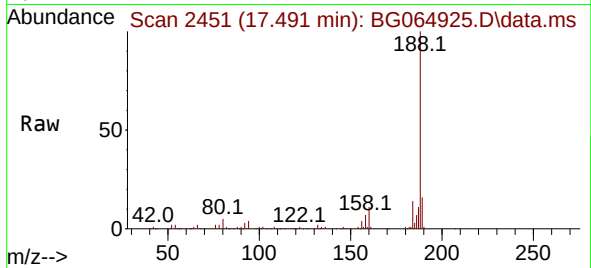




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.491 min Scan# 2453
Delta R.T. -0.012 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

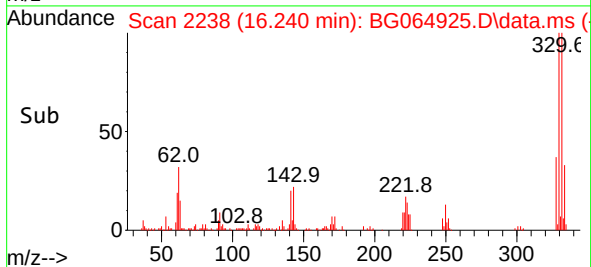
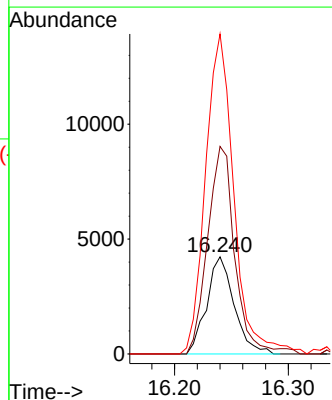
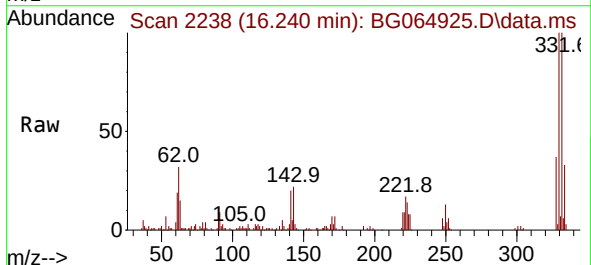
Instrument :
BNA_G
ClientSampleId :
TP-12

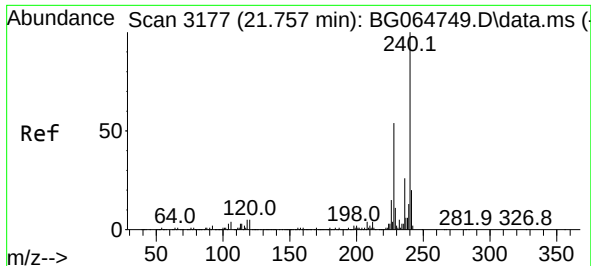
Tgt Ion:188 Resp: 148115
Ion Ratio Lower Upper
188 100
94 4.2 4.7 7.1#
80 5.0 5.4 8.2#



#67
4-Bromophenyl-phenylether
Concen: 3.643 ng
RT: 16.240 min Scan# 2238
Delta R.T. -0.453 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

Tgt Ion:248 Resp: 7085
Ion Ratio Lower Upper
248 100
250 207.2 77.0 115.6#
141 245.7 43.7 65.5#

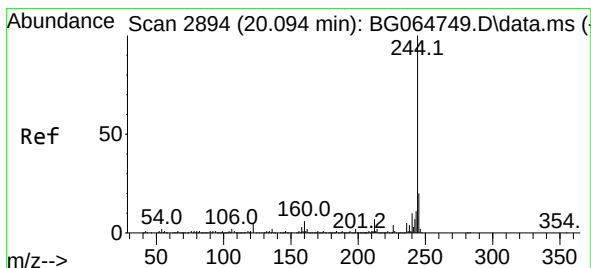
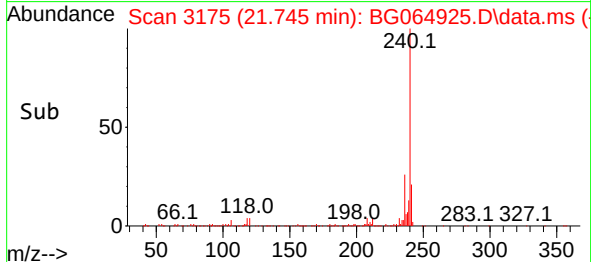
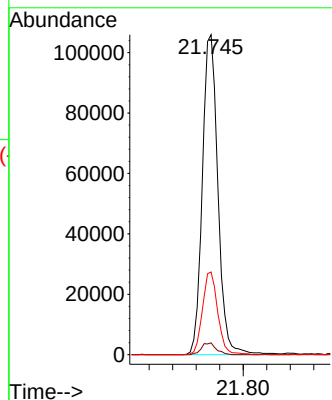
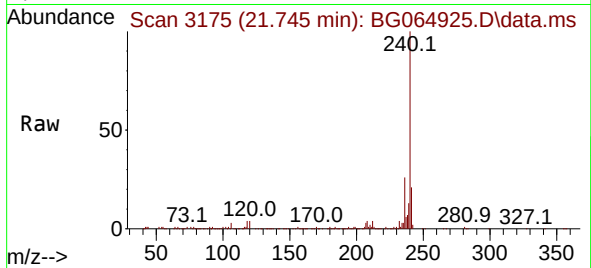




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.745 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

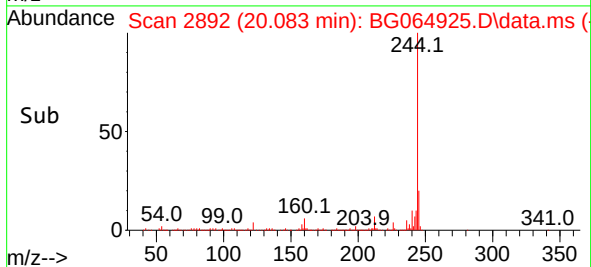
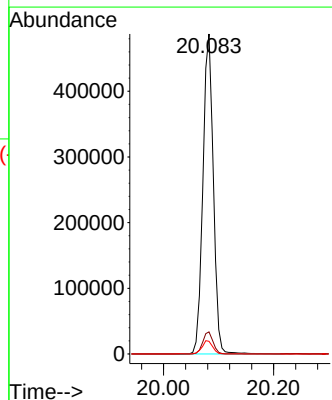
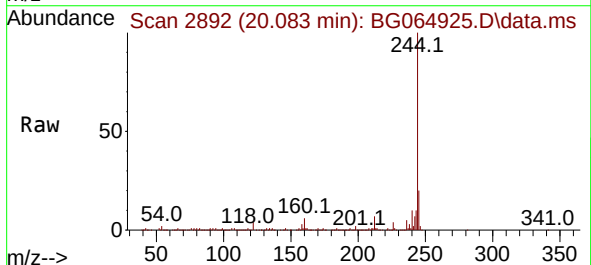
Instrument :
BNA_G
ClientSampleId :
TP-12

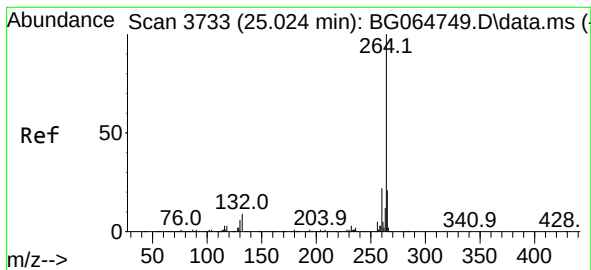
Tgt Ion:240 Resp: 194616
Ion Ratio Lower Upper
240 100
120 3.7 4.2 6.4#
236 25.8 20.8 31.2



#79
Terphenyl-d14
Concen: 64.948 ng
RT: 20.083 min Scan# 2892
Delta R.T. -0.012 min
Lab File: BG064925.D
Acq: 10 Dec 2025 17:51

Tgt Ion:244 Resp: 642569
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 4.0 4.3 6.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.000 min Scan# 31
 Delta R.T. -0.024 min
 Lab File: BG064925.D
 Acq: 10 Dec 2025 17:51

Instrument :
 BNA_G
 ClientSampleId :
 TP-12

Tgt Ion:264 Resp: 219843
 Ion Ratio Lower Upper
 264 100
 260 25.0 17.2 25.8
 265 21.6 16.6 25.0

