

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064905.D
 Acq On : 9 Dec 2025 14:59
 Operator : RC/JU
 Sample : Q3800-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 09 15:34:29 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)

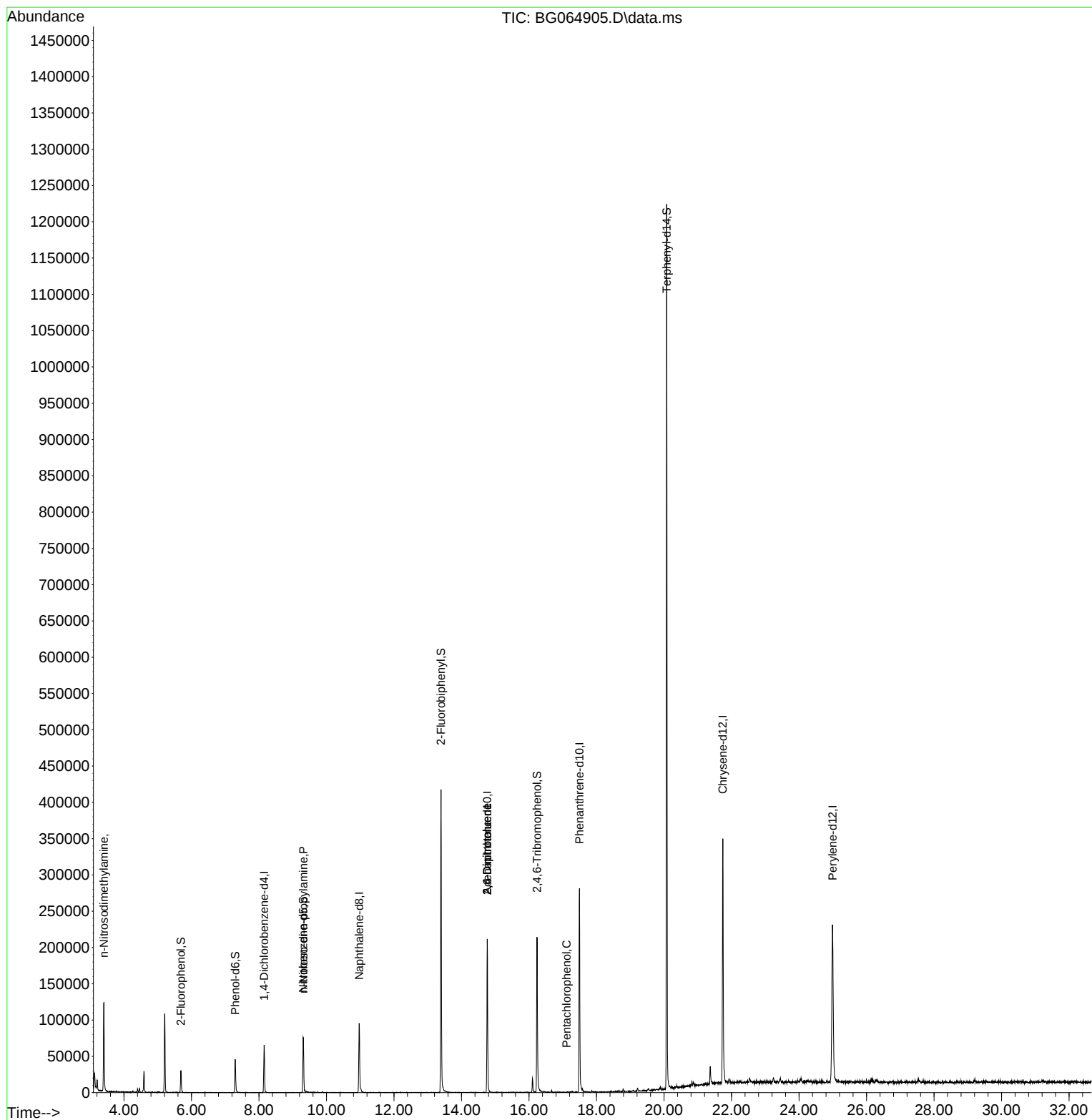
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	19852	20.000	ng	-0.02
21) Naphthalene-d8	10.972	136	94047	20.000	ng	#-0.02
39) Acenaphthene-d10	14.762	164	87351	20.000	ng	-0.02
64) Phenanthrene-d10	17.494	188	211129	20.000	ng	# 0.00
76) Chrysene-d12	21.742	240	259762	20.000	ng	-0.02
86) Perylene-d12	24.991	264	291037	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	14069	12.375	ng	-0.02
7) Phenol-d6	7.294	99	27784	18.375	ng	-0.02
23) Nitrobenzene-d5	9.309	82	47044	24.732	ng	-0.02
42) 2,4,6-Tribromophenol	16.236	330	63885	37.500	ng	-0.02
45) 2-Fluorobiphenyl	13.393	172	241298	38.545	ng	-0.02
79) Terphenyl-d14	20.079	244	680425	51.526	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.404	42	11930	17.874	ng	# 5
19) n-Nitroso-di-n-propyla...	9.315	70	6415	6.275	ng	# 64
51) 2,6-Dinitrotoluene	14.762	165	11663	8.784	ng	# 21
57) 2,4-Dinitrotoluene	14.762	165	11663	5.859	ng	# 24
70) Pentachlorophenol	17.112	266	65	6.173	ng	# 16

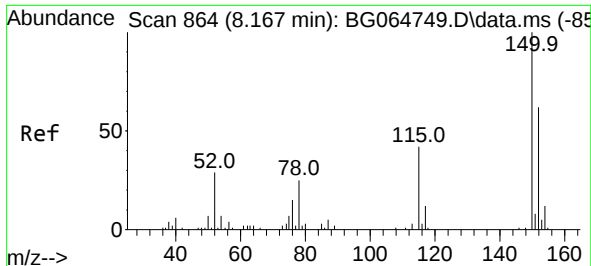
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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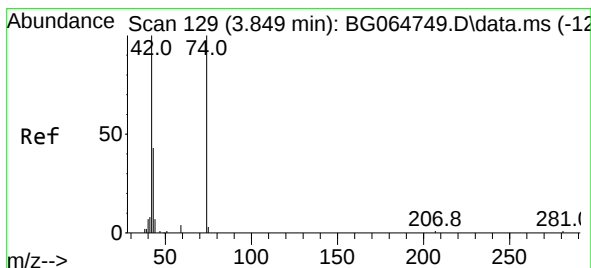
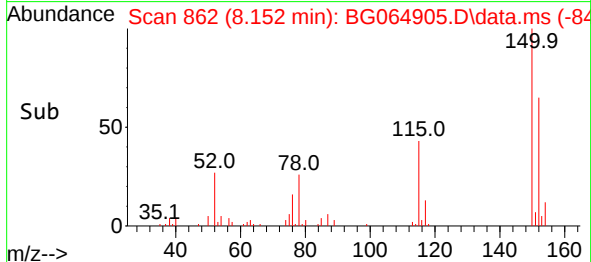
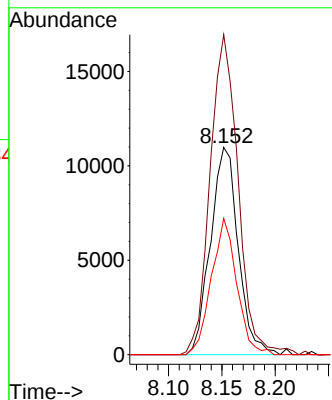
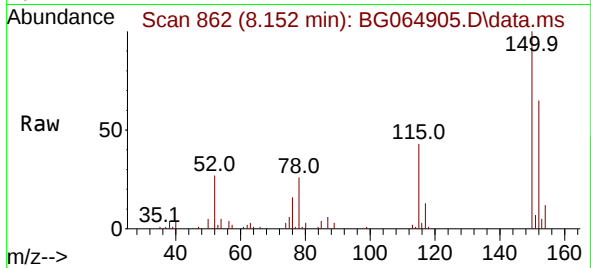




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.152 min Scan# 80
Delta R.T. -0.015 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

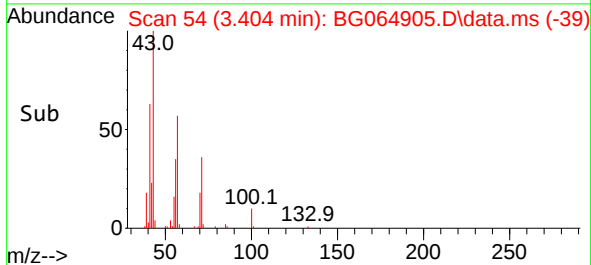
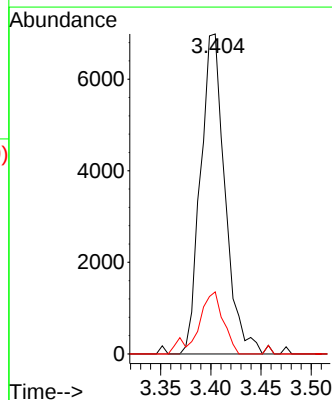
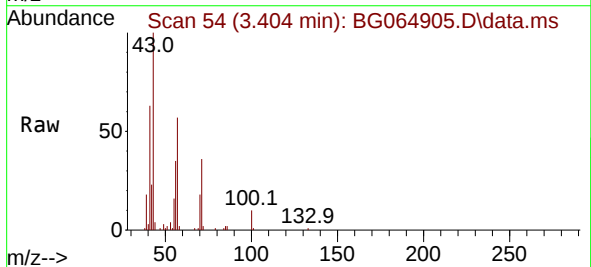
Instrument :
BNA_G
ClientSampleId :

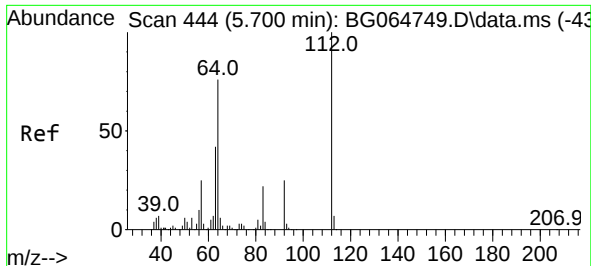
Tgt Ion:152 Resp: 19852
Ion Ratio Lower Upper
152 100
150 154.3 129.2 193.8
115 65.8 53.7 80.5



#4
n-Nitrosodimethylamine
Concen: 17.874 ng
RT: 3.404 min Scan# 54
Delta R.T. -0.444 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

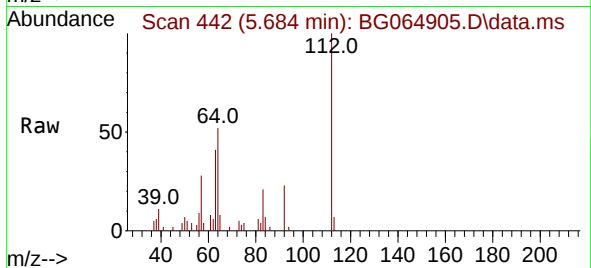
Tgt Ion: 42 Resp: 11930
Ion Ratio Lower Upper
42 100
74 0.0 79.8 119.6#
44 19.4 5.9 8.9#



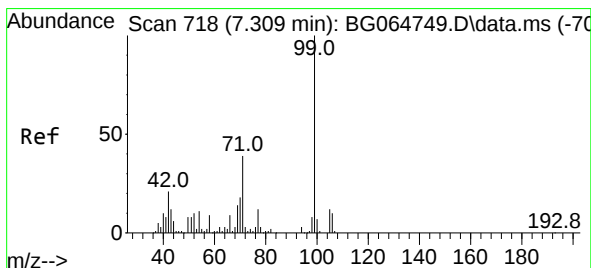
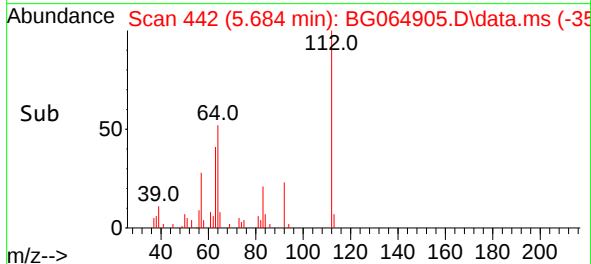
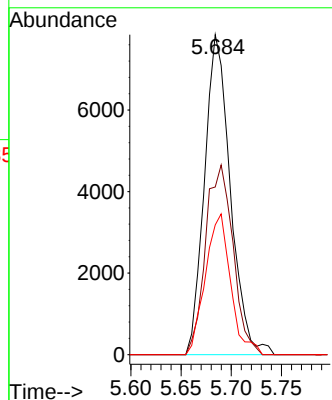


#5
2-Fluorophenol
Concen: 12.375 ng
RT: 5.684 min Scan# 444
Delta R.T. -0.015 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

Instrument :
BNA_G
ClientSampleId :

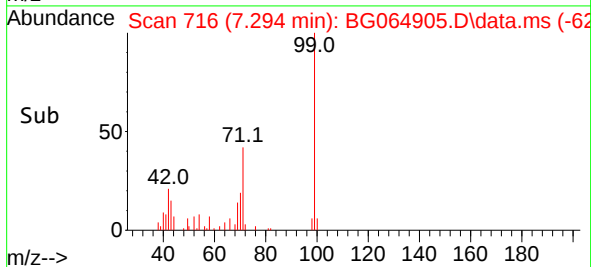
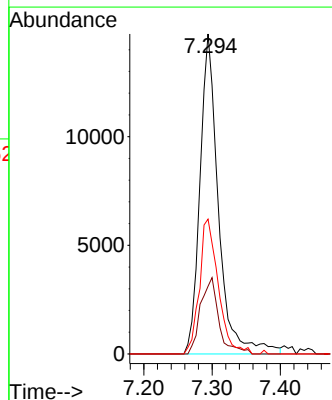
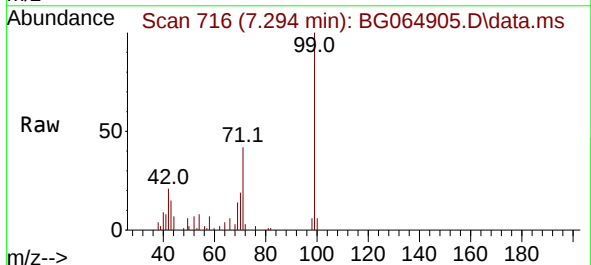


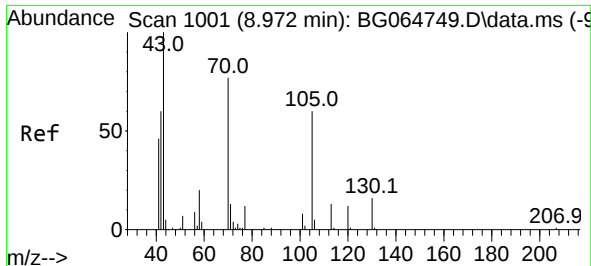
Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	61.0	91.4
63	40.6	33.3	49.9



#7
Phenol-d6
Concen: 18.375 ng
RT: 7.294 min Scan# 716
Delta R.T. -0.015 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.8	25.2
71	42.1	31.1	46.7





#19

n-Nitroso-di-n-propylamine

Concen: 6.275 ng

RT: 9.315 min Scan# 1060

Delta R.T. 0.343 min

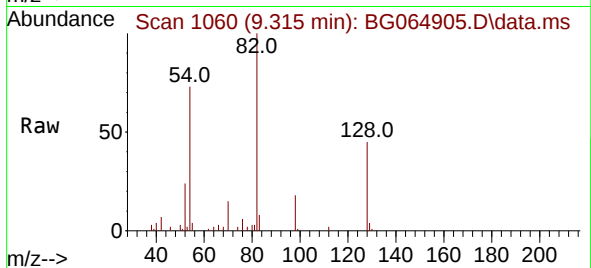
Lab File: BG064905.D

Acq: 9 Dec 2025 14:59

Instrument :

BNA_G

ClientSampleId :



Tgt Ion: 70 Resp: 6415

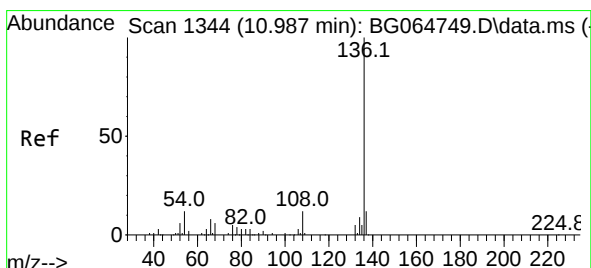
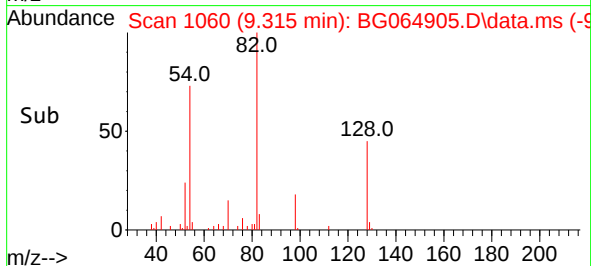
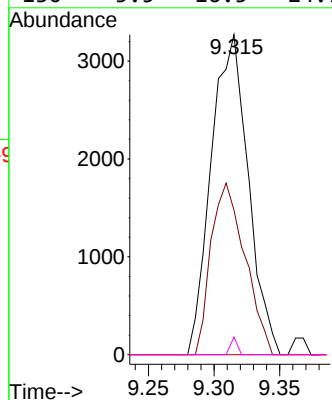
Ion Ratio Lower Upper

70 100

42 45.2 62.6 93.8#

101 0.0 8.0 12.0#

130 5.5 16.5 24.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.972 min Scan# 1342

Delta R.T. -0.015 min

Lab File: BG064905.D

Acq: 9 Dec 2025 14:59

Tgt Ion: 136 Resp: 94047

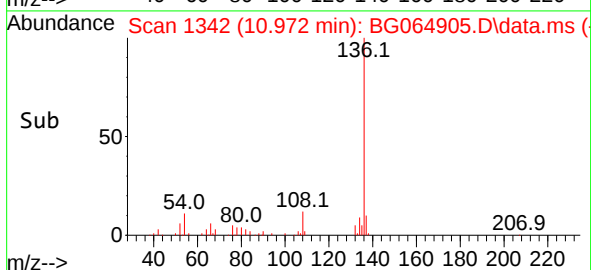
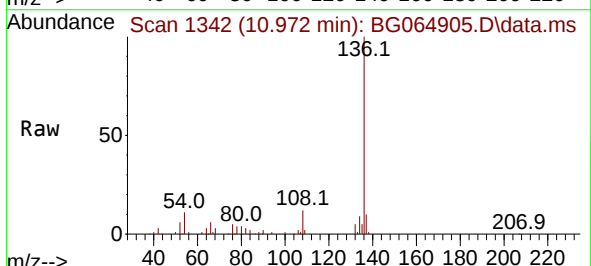
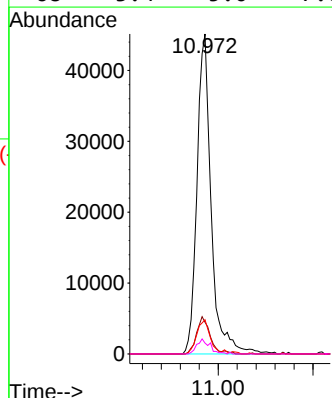
Ion Ratio Lower Upper

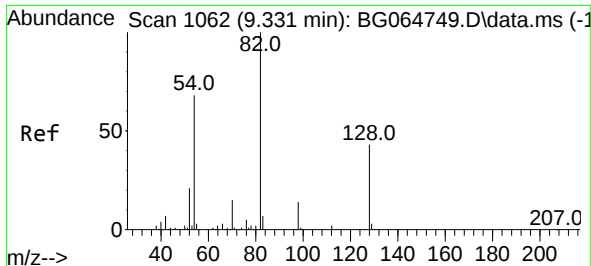
136 100

137 9.9 9.3 13.9

54 10.7 9.3 13.9

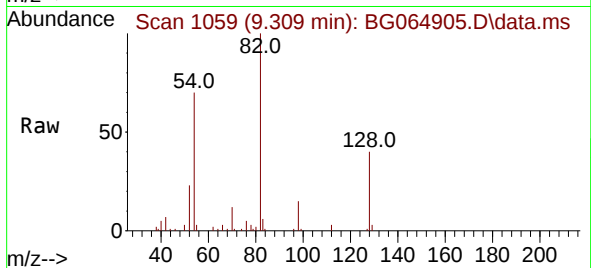
68 3.4 5.0 7.6#



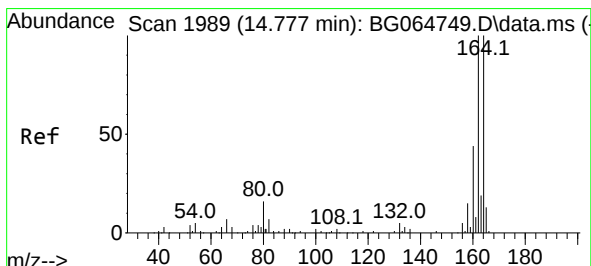
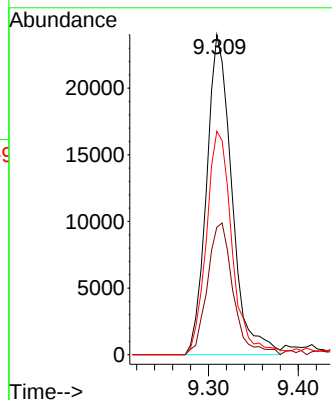
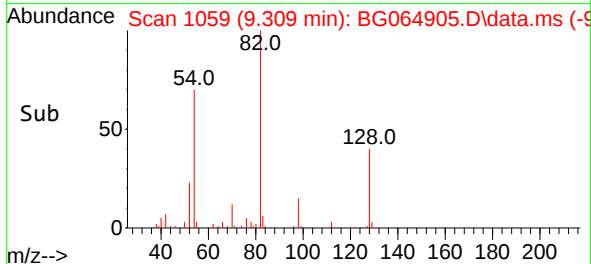


#23
Nitrobenzene-d5
Concen: 24.732 ng
RT: 9.309 min Scan# 1062
Delta R.T. -0.021 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

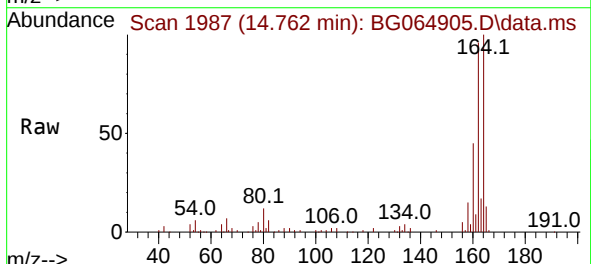
Instrument :
BNA_G
ClientSampleId :



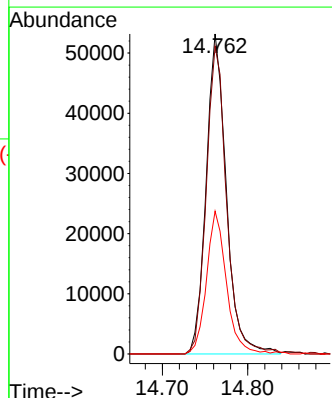
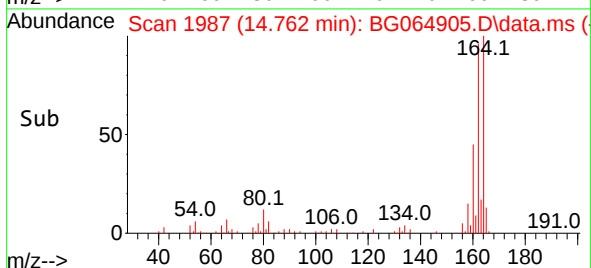
Tgt Ion: 82 Resp: 47044
Ion Ratio Lower Upper
82 100
128 39.9 34.1 51.1
54 69.8 54.3 81.5

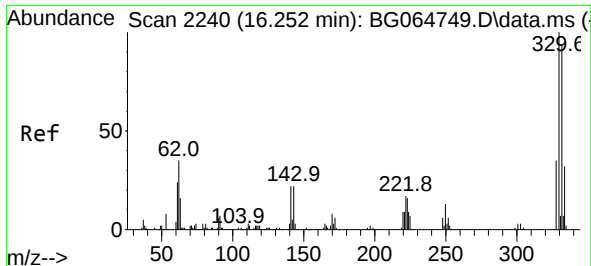


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.762 min Scan# 1987
Delta R.T. -0.015 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59



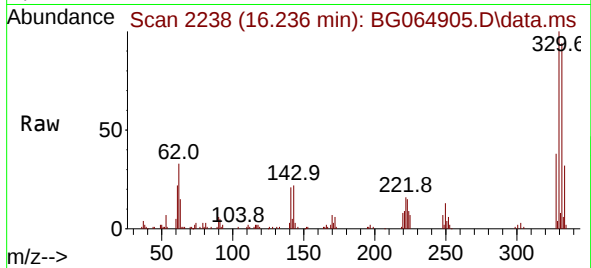
Tgt Ion: 164 Resp: 87351
Ion Ratio Lower Upper
164 100
162 96.2 79.8 119.6
160 44.6 34.9 52.3



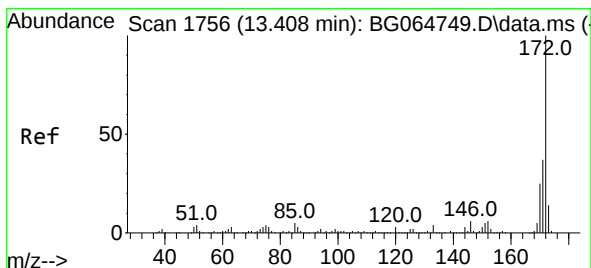
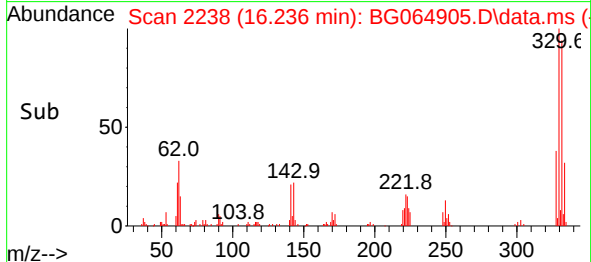
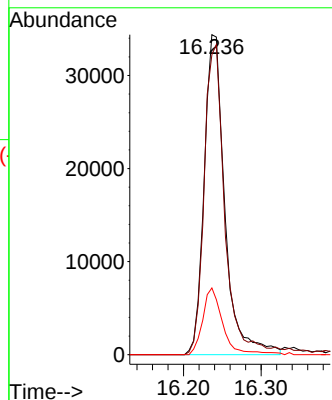


#42
2,4,6-Tribromophenol
Concen: 37.500 ng
RT: 16.236 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

Instrument :
BNA_G
ClientSampleId :

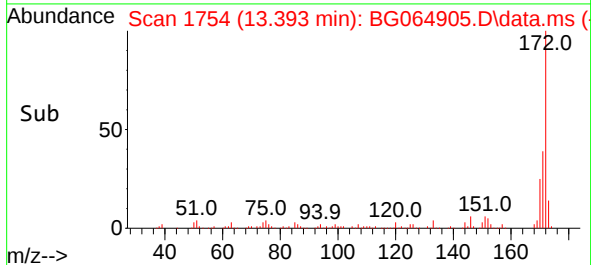
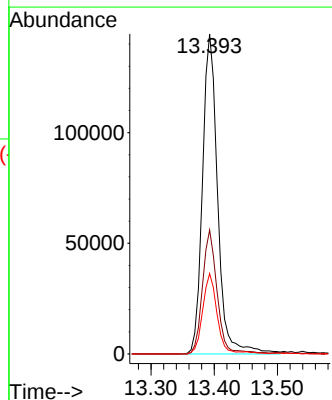
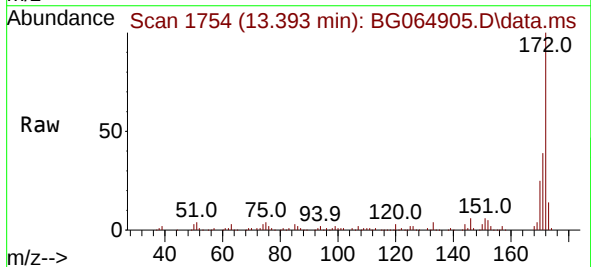


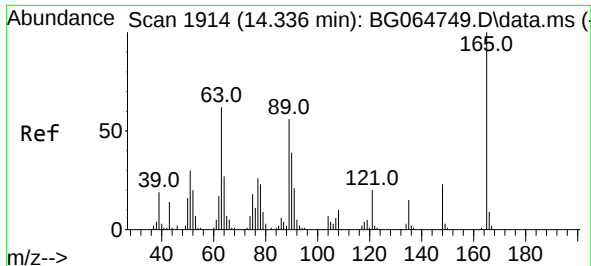
Tgt Ion:330 Resp: 63885
Ion Ratio Lower Upper
330 100
332 98.0 77.0 115.6
141 20.2 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 38.545 ng
RT: 13.393 min Scan# 1754
Delta R.T. -0.015 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

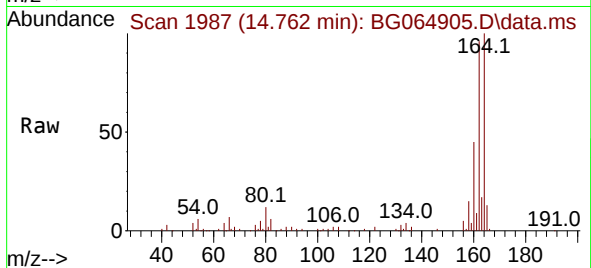
Tgt Ion:172 Resp: 241298
Ion Ratio Lower Upper
172 100
171 38.7 29.9 44.9
170 25.1 19.8 29.6



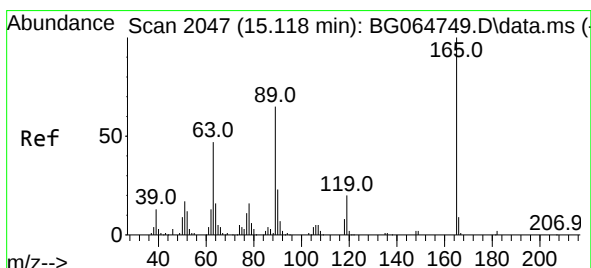
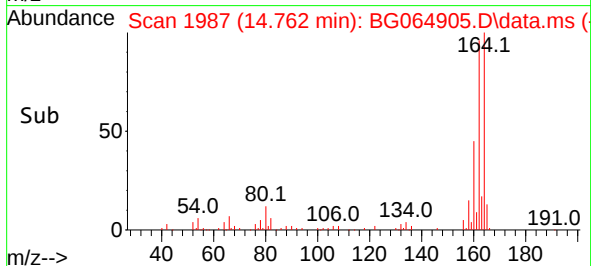
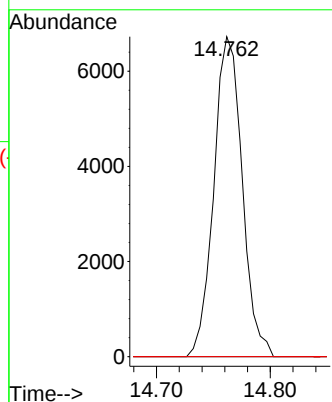


#51
2,6-Dinitrotoluene
Concen: 8.784 ng
RT: 14.762 min Scan# 1914
Delta R.T. 0.425 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

Instrument :
BNA_G
ClientSampleId :

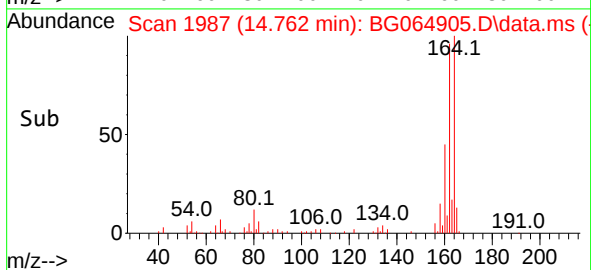
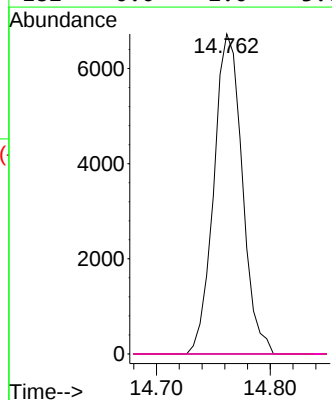
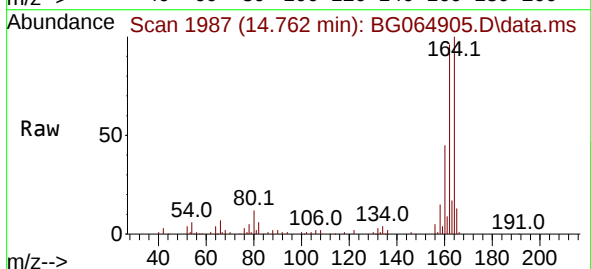


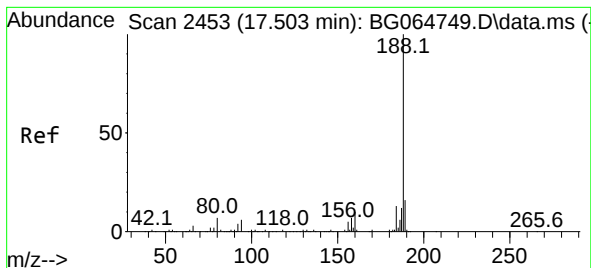
Tgt Ion:165 Resp: 11663
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.859 ng
RT: 14.762 min Scan# 1987
Delta R.T. -0.356 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

Tgt Ion:165 Resp: 11663
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: 17.494 min Scan# 24

Delta R.T. -0.010 min

Lab File: BG064905.D

Acq: 9 Dec 2025 14:59

Instrument :

BNA_G

ClientSampleId :

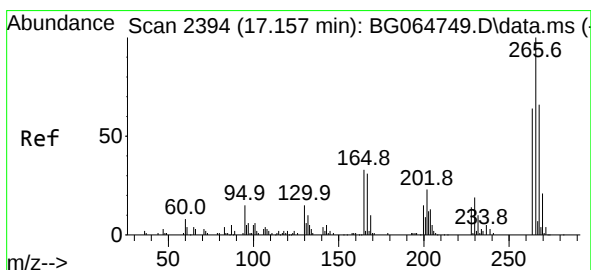
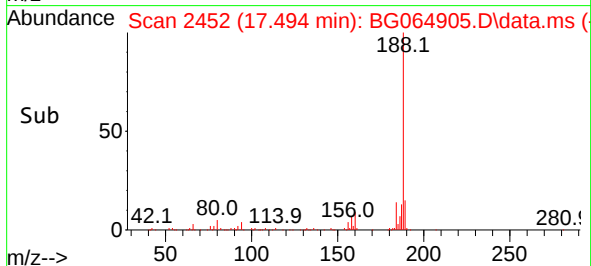
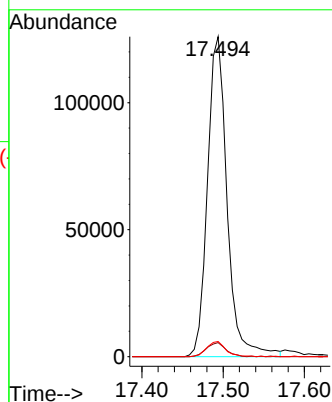
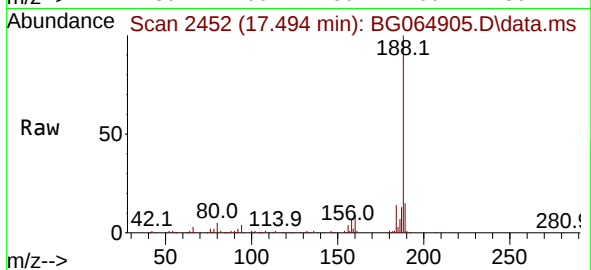
Tgt Ion:188 Resp: 211129

Ion Ratio Lower Upper

188 100

94 4.4 4.7 7.1#

80 4.7 5.4 8.2#



#70

Pentachlorophenol

Concen: 6.173 ng

RT: 17.112 min Scan# 2387

Delta R.T. -0.045 min

Lab File: BG064905.D

Acq: 9 Dec 2025 14:59

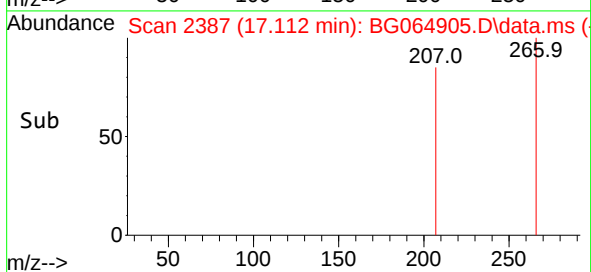
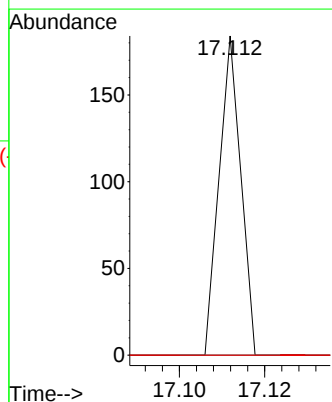
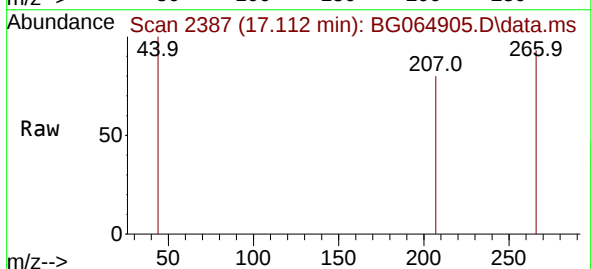
Tgt Ion:266 Resp: 65

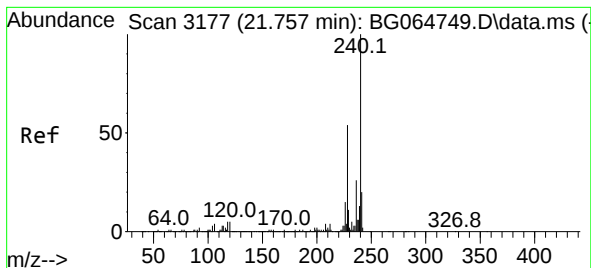
Ion Ratio Lower Upper

266 100

268 0.0 56.1 84.1#

264 0.0 51.2 76.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.742 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG064905.D

Acq: 9 Dec 2025 14:59

Instrument :

BNA_G

ClientSampleId :

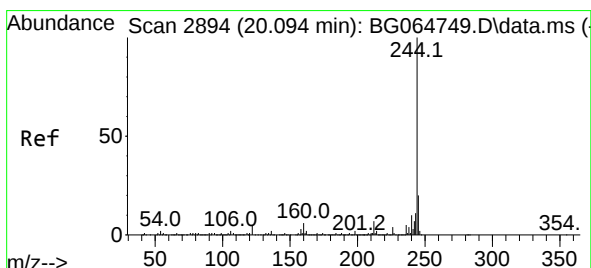
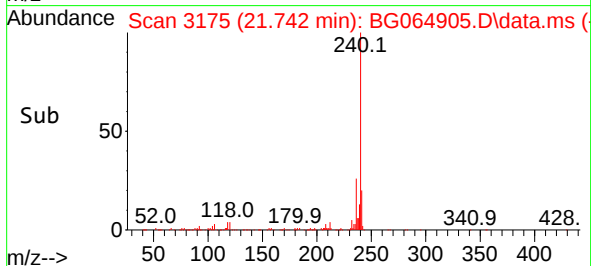
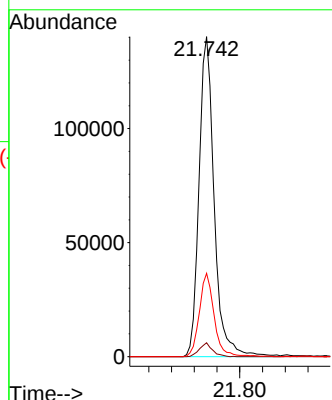
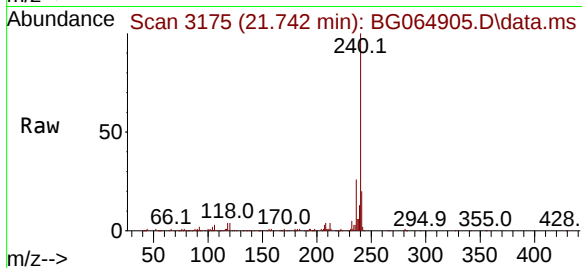
Tgt Ion:240 Resp: 259762

Ion Ratio Lower Upper

240 100

120 4.3 4.2 6.4

236 26.1 20.8 31.2



#79

Terphenyl-d14

Concen: 51.526 ng

RT: 20.079 min Scan# 2892

Delta R.T. -0.015 min

Lab File: BG064905.D

Acq: 9 Dec 2025 14:59

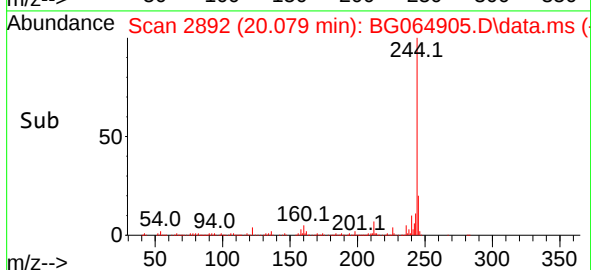
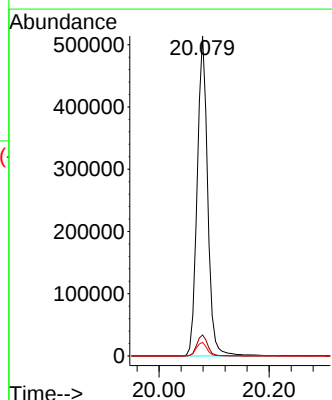
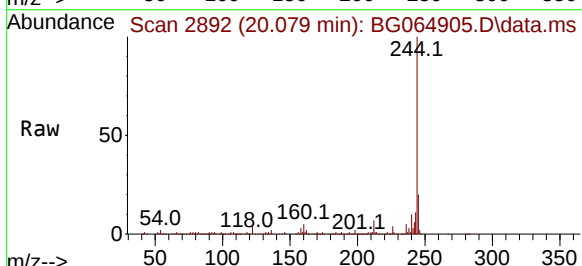
Tgt Ion:244 Resp: 680425

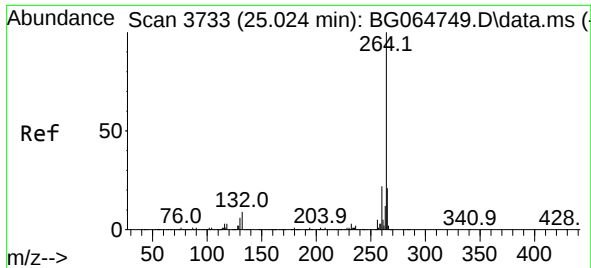
Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

122 4.3 4.3 6.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.991 min Scan# 31
Delta R.T. -0.033 min
Lab File: BG064905.D
Acq: 9 Dec 2025 14:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 291037

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.2	25.8
265	21.6	16.6	25.0

