

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111925\
 Data File : BG064812.D
 Acq On : 19 Nov 2025 12:13
 Operator : RC/JU
 Sample : PB170598BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170598BL

Quant Time: Nov 19 12:50:05 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)

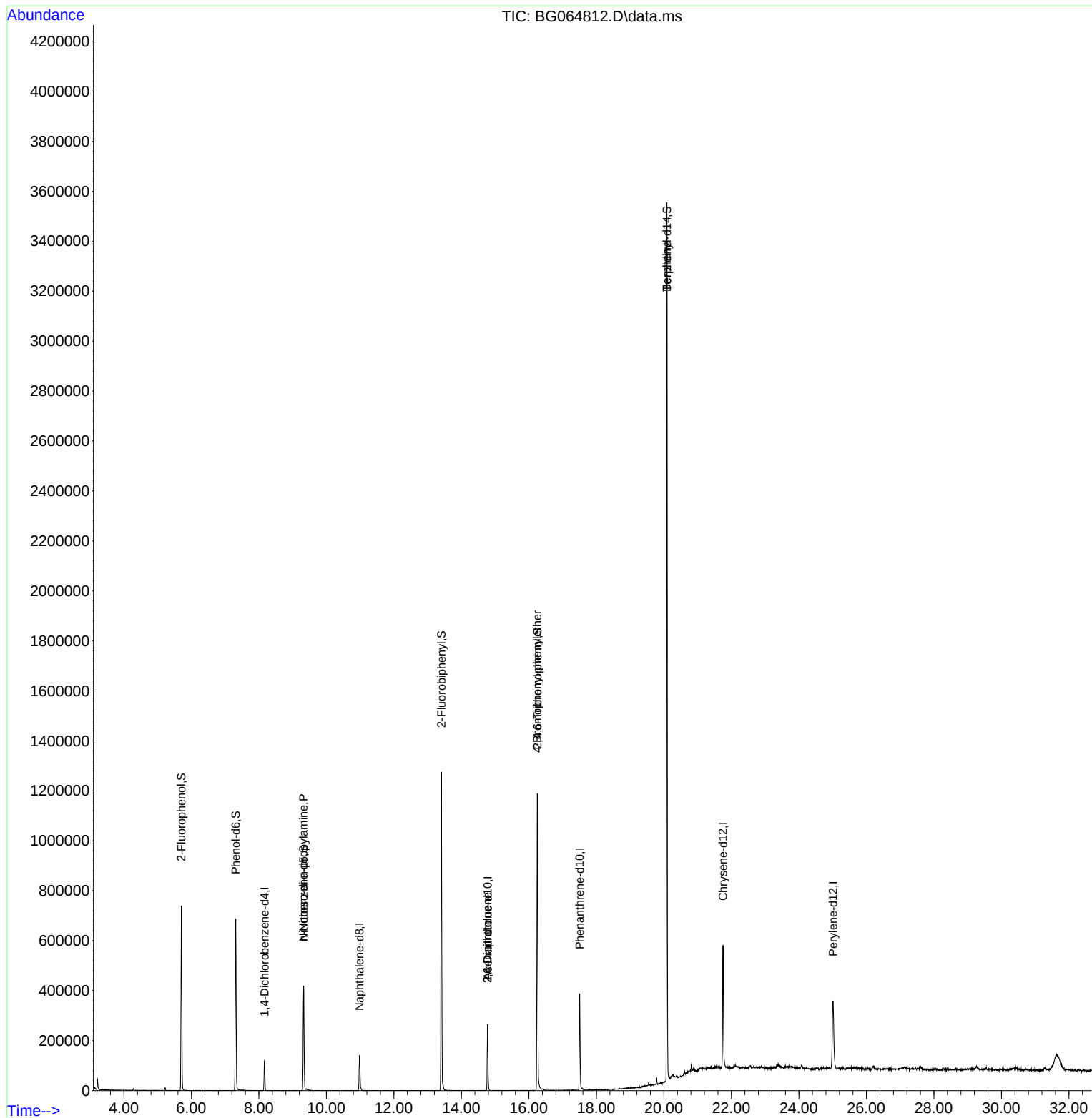
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	35829	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	134119	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	108894	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	277639	20.000	ng	0.00
76) Chrysene-d12	21.751	240	358066	20.000	ng	0.00
86) Perylene-d12	25.012	264	349744	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.705	112	307944	150.084	ng	0.00
7) Phenol-d6	7.315	99	397801	145.769	ng	0.00
23) Nitrobenzene-d5	9.324	82	256987	94.738	ng	0.00
42) 2,4,6-Tribromophenol	16.251	330	316678	149.111	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	736861	94.420	ng	0.00
79) Terphenyl-d14	20.088	244	1889008	103.776	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.324	70	34025	18.440	ng	# 65
51) 2,6-Dinitrotoluene	14.771	165	13988	8.451	ng	# 24
57) 2,4-Dinitrotoluene	14.771	165	13988	5.637	ng	# 28
67) 4-Bromophenyl-phenylether	16.246	248	19630	5.384	ng	# 1
77) Benzidine	20.088	184	27863	2.598	ng	96

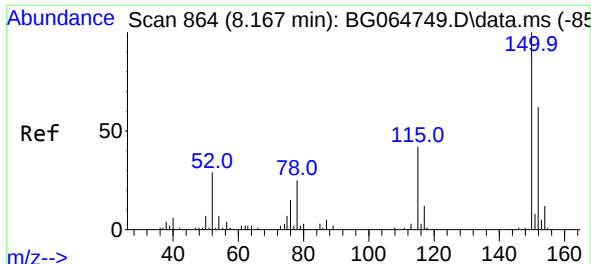
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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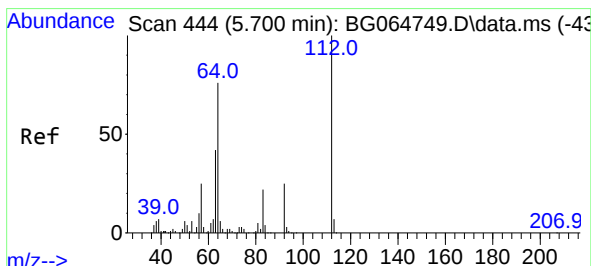
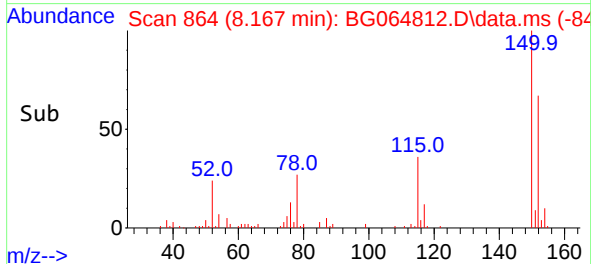
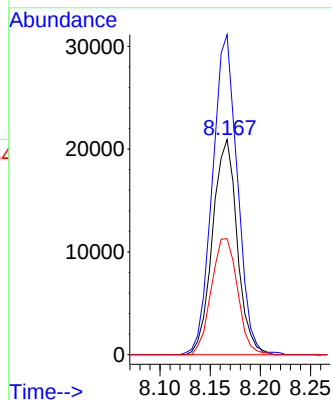
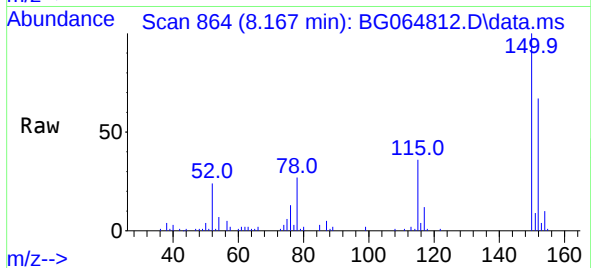




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 80
Delta R.T. -0.000 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

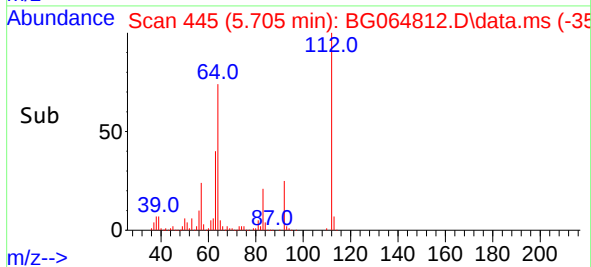
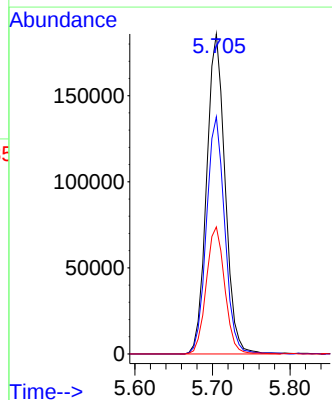
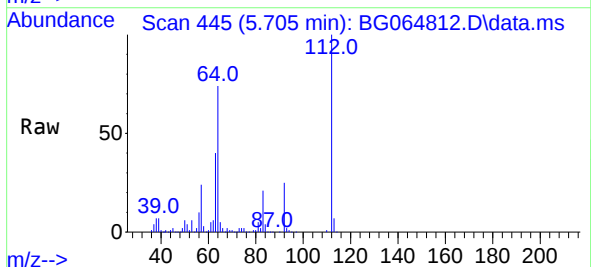
Instrument :
BNA_G
ClientSampleId :
PB170598BL

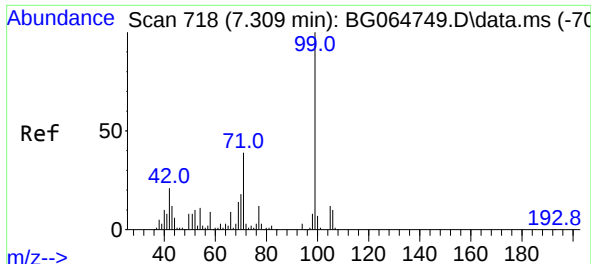
Tgt Ion:152 Resp: 35829
Ion Ratio Lower Upper
152 100
150 148.7 129.2 193.8
115 53.9 53.7 80.5



#5
2-Fluorophenol
Concen: 150.084 ng
RT: 5.705 min Scan# 445
Delta R.T. 0.005 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

Tgt Ion:112 Resp: 307944
Ion Ratio Lower Upper
112 100
64 74.1 61.0 91.4
63 39.7 33.3 49.9

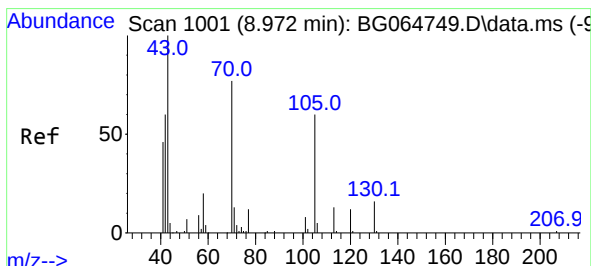
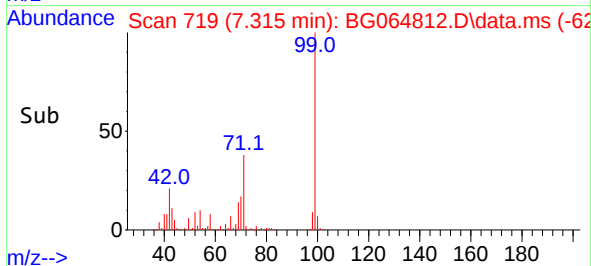
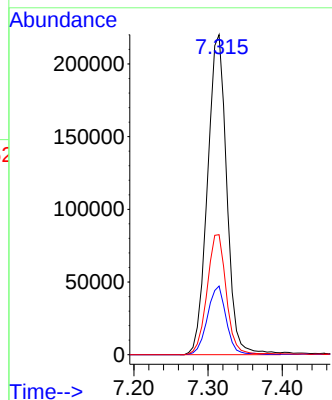
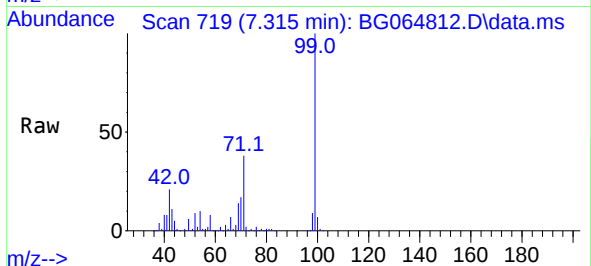




#7
Phenol-d6
Concen: 145.769 ng
RT: 7.315 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

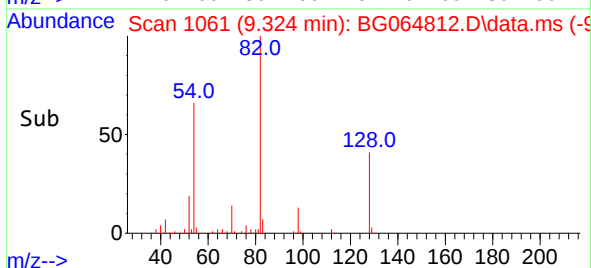
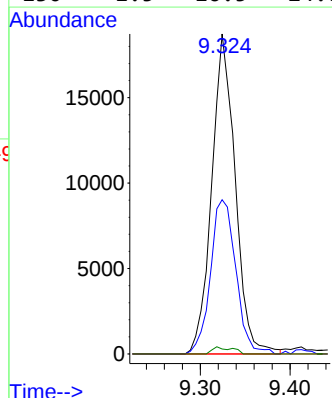
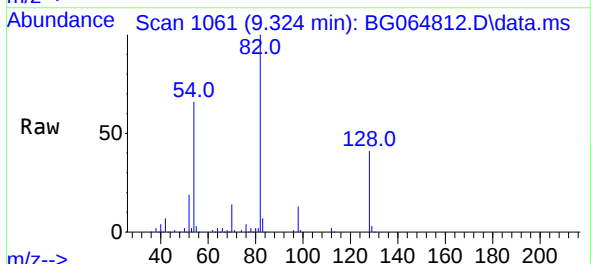
Instrument :
BNA_G
ClientSampleId :
PB170598BL

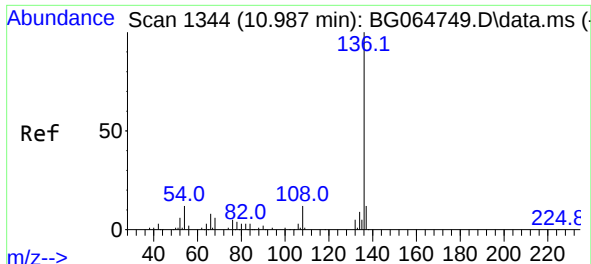
Tgt Ion: 99 Resp: 397801
Ion Ratio Lower Upper
99 100
42 21.4 16.8 25.2
71 37.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 18.440 ng
RT: 9.324 min Scan# 1061
Delta R.T. 0.352 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

Tgt Ion: 70 Resp: 34025
Ion Ratio Lower Upper
70 100
42 48.2 62.6 93.8#
101 0.0 8.0 12.0#
130 1.5 16.5 24.7#

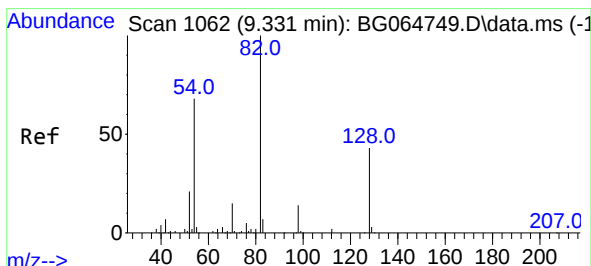
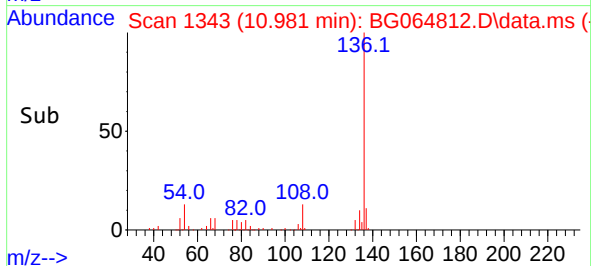
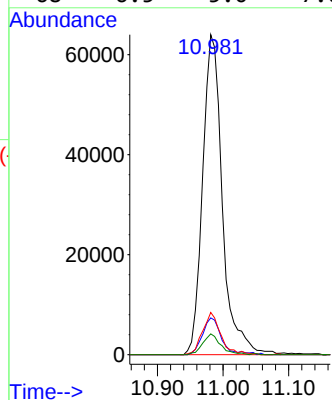
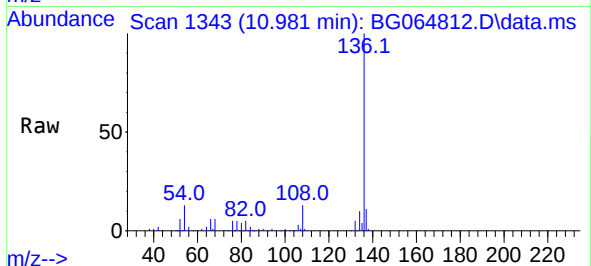




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

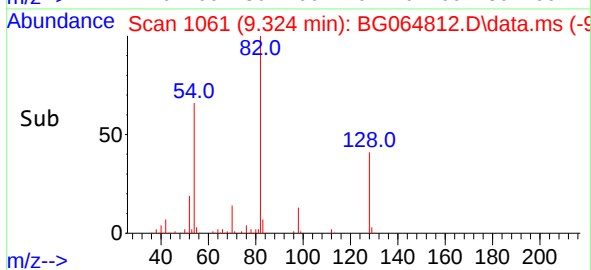
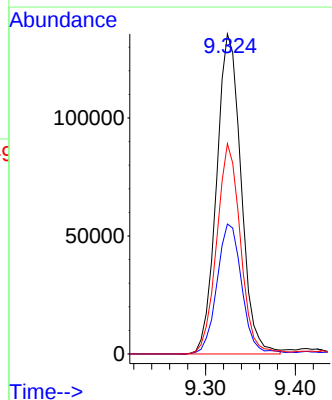
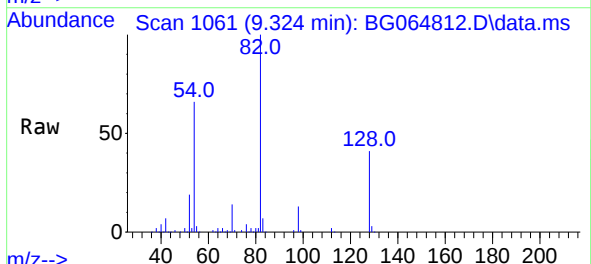
Instrument :
BNA_G
ClientSampleId :
PB170598BL

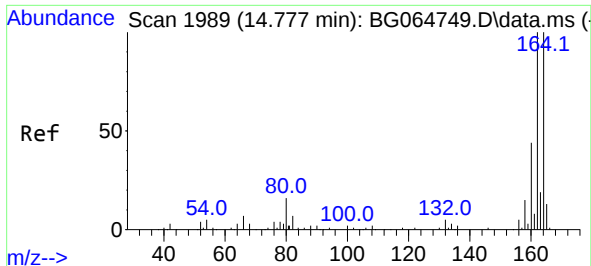
Tgt Ion:	136	Resp:	134119
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	13.2	9.3	13.9
68	6.5	5.0	7.6



#23
Nitrobenzene-d5
Concen: 94.738 ng
RT: 9.324 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

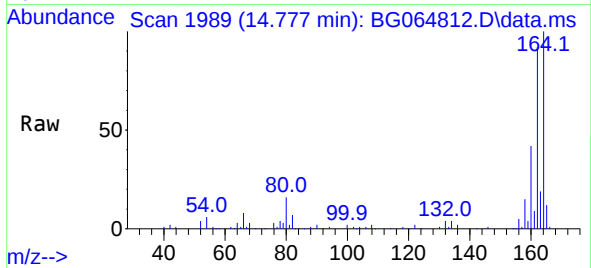
Tgt Ion:	82	Resp:	256987
Ion	Ratio	Lower	Upper
82	100		
128	40.6	34.1	51.1
54	65.7	54.3	81.5



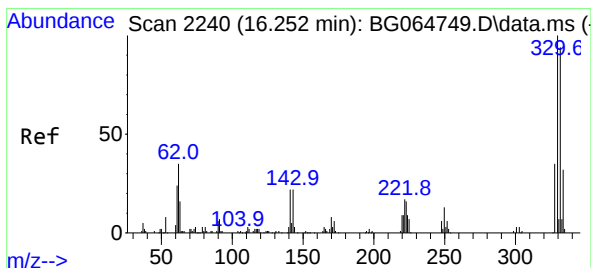
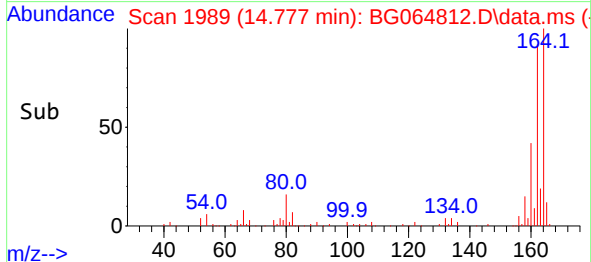
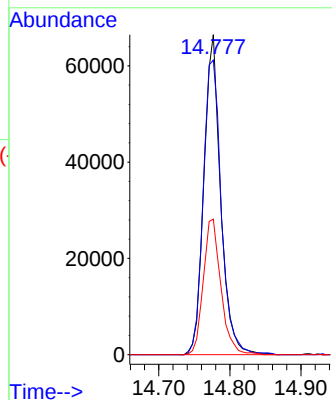


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

Instrument :
BNA_G
ClientSampleId :
PB170598BL

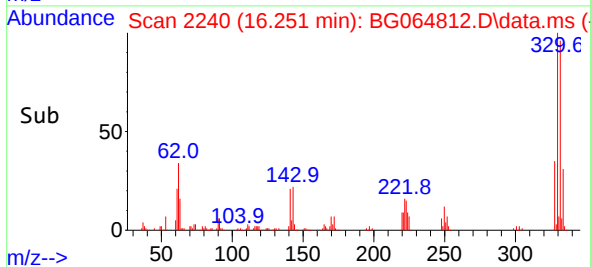
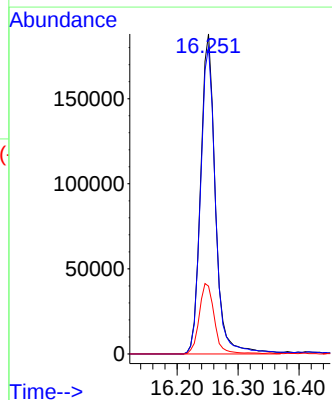
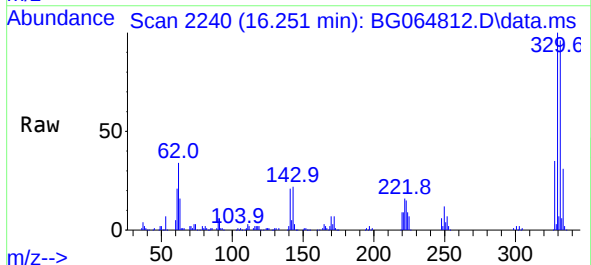


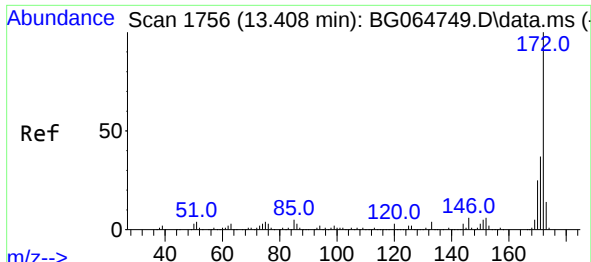
Tgt Ion:164 Resp: 108894
Ion Ratio Lower Upper
164 100
162 92.0 79.8 119.6
160 42.4 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 149.111 ng
RT: 16.251 min Scan# 2240
Delta R.T. -0.000 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

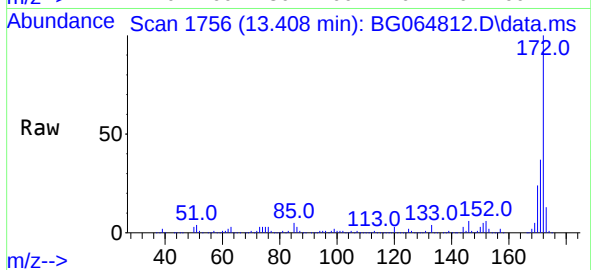
Tgt Ion:330 Resp: 316678
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 22.7 18.2 27.2



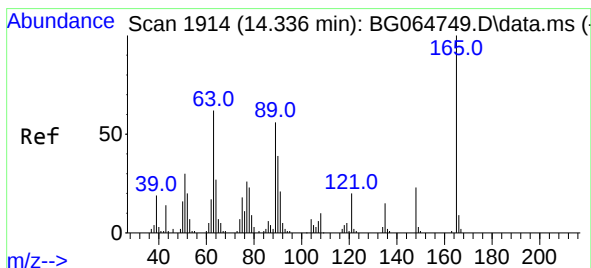
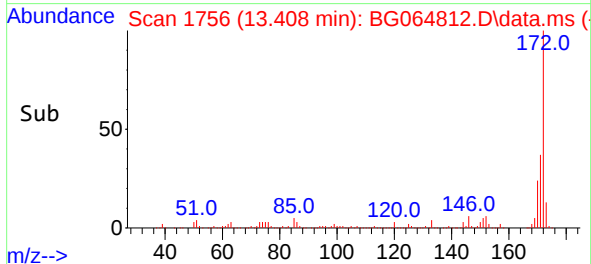
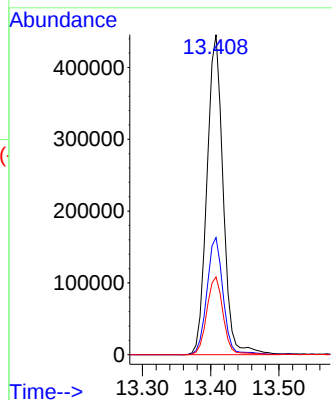


#45
2-Fluorobiphenyl
Concen: 94.420 ng
RT: 13.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

Instrument :
BNA_G
ClientSampleId :
PB170598BL

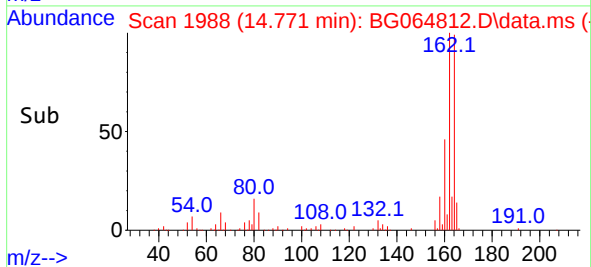
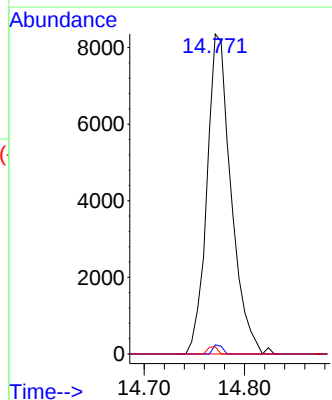
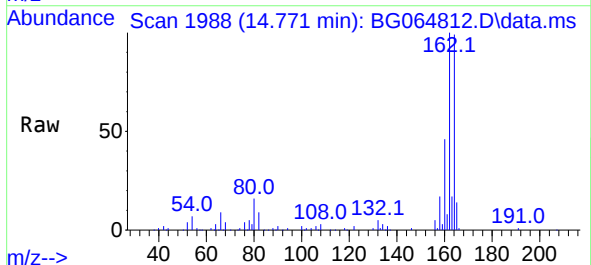


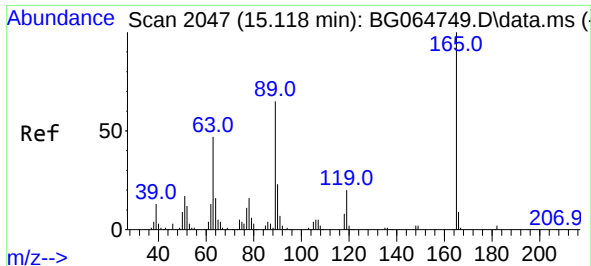
Tgt Ion:172 Resp: 736861
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 24.3 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.451 ng
RT: 14.771 min Scan# 1988
Delta R.T. 0.434 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

Tgt Ion:165 Resp: 13988
Ion Ratio Lower Upper
165 100
63 2.8 49.8 74.8#
89 2.2 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.637 ng

RT: 14.771 min Scan# 1988

Delta R.T. -0.347 min

Lab File: BG064812.D

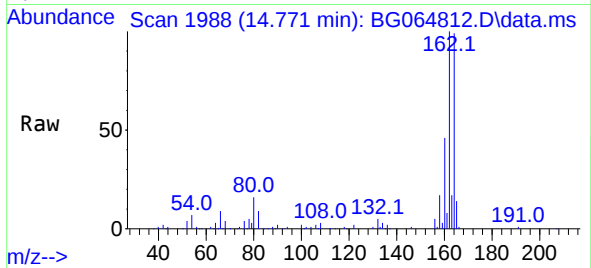
Acq: 19 Nov 2025 12:13

Instrument :

BNA_G

ClientSampleId :

PB170598BL



Tgt Ion:165 Resp: 13988

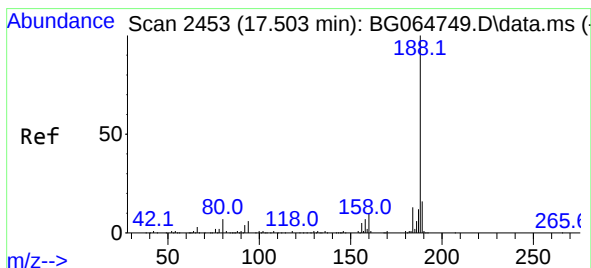
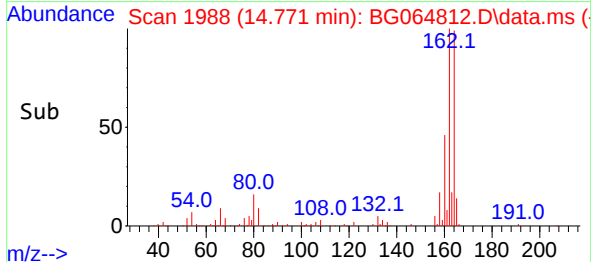
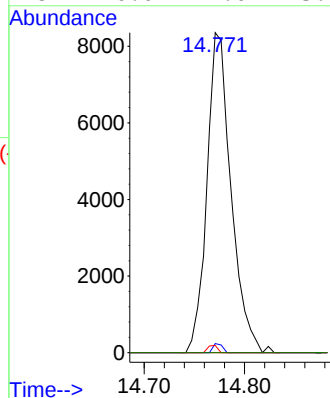
Ion Ratio Lower Upper

165 100

63 2.8 37.8 56.6#

89 2.2 51.6 77.4#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.503 min Scan# 2453

Delta R.T. -0.000 min

Lab File: BG064812.D

Acq: 19 Nov 2025 12:13

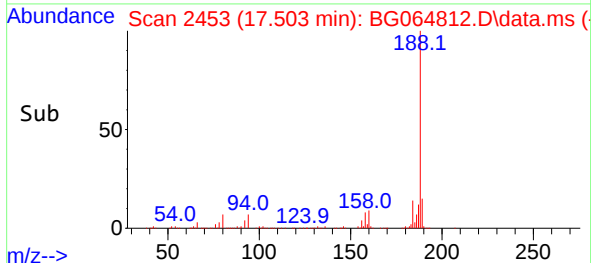
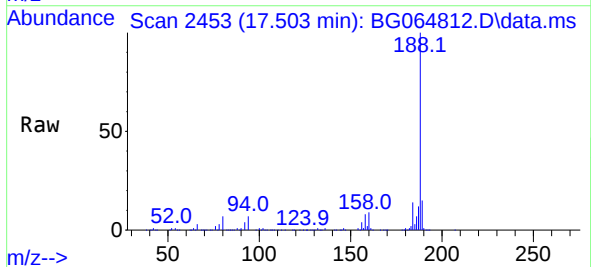
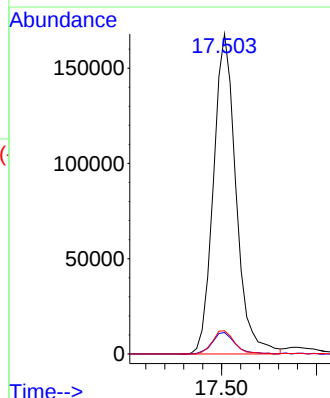
Tgt Ion:188 Resp: 277639

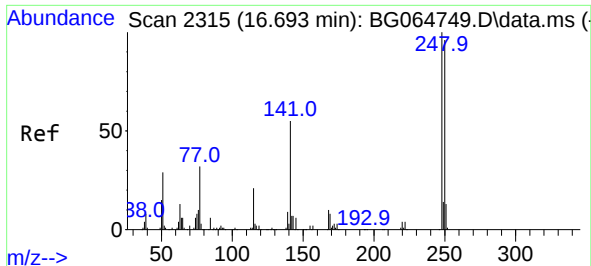
Ion Ratio Lower Upper

188 100

94 6.7 4.7 7.1

80 7.2 5.4 8.2

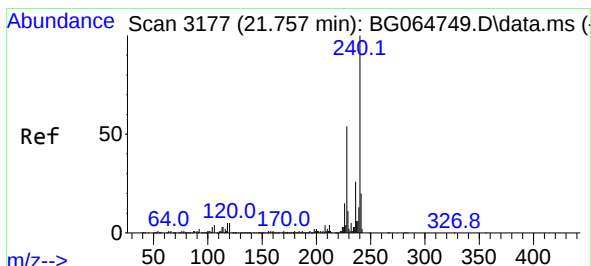
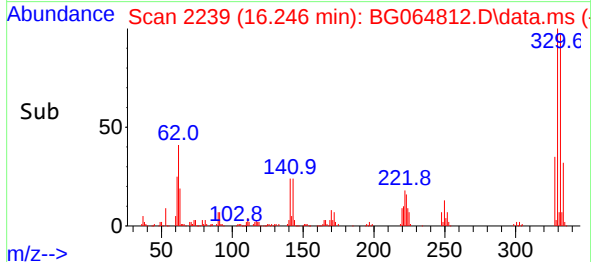
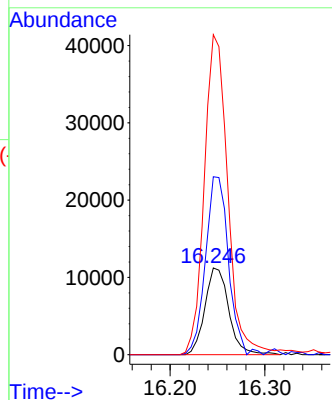
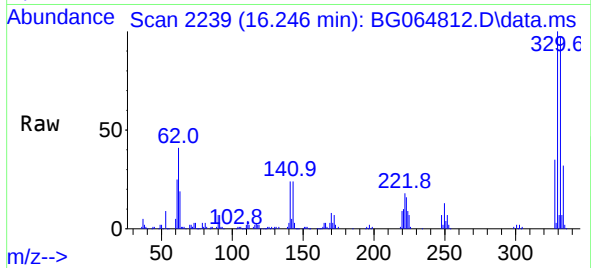




#67
4-Bromophenyl-phenylether
Concen: 5.384 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

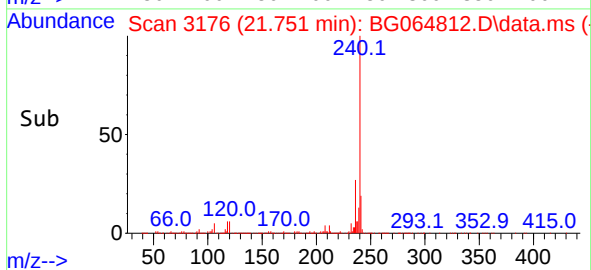
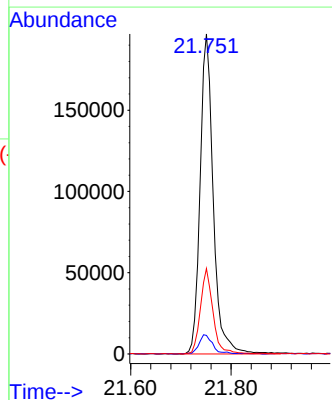
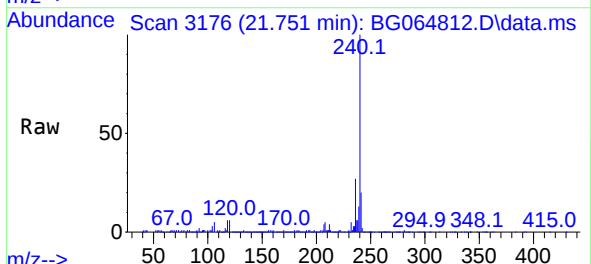
Instrument :
BNA_G
ClientSampleId :
PB170598BL

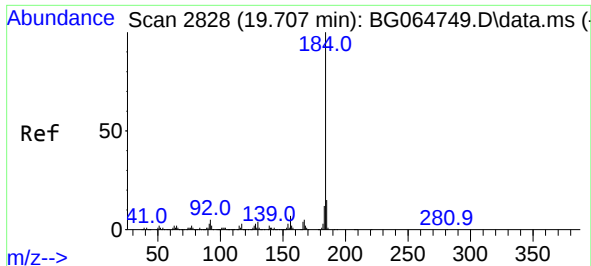
Tgt Ion:248 Resp: 19630
Ion Ratio Lower Upper
248 100
250 195.3 77.0 115.6#
141 270.1 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

Tgt Ion:240 Resp: 358066
Ion Ratio Lower Upper
240 100
120 5.8 4.2 6.4
236 26.7 20.8 31.2

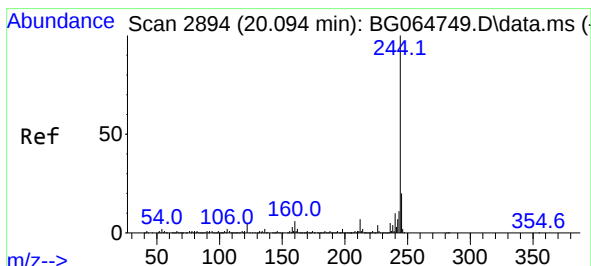
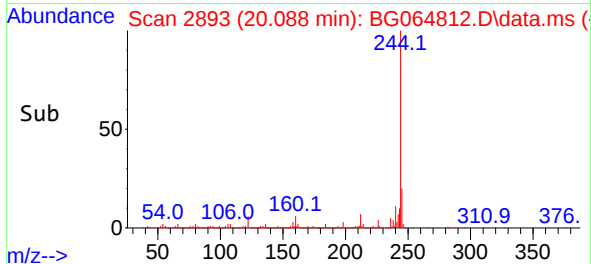
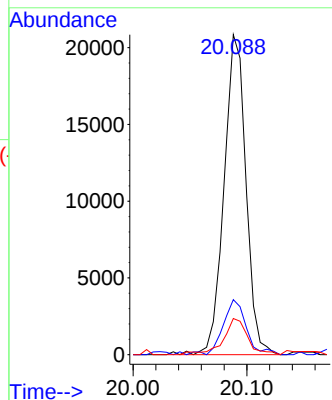
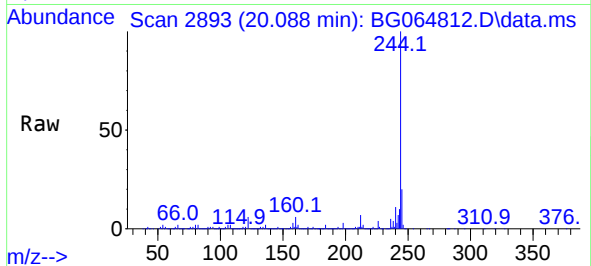




#77
Benzidine
Concen: 2.598 ng
RT: 20.088 min Scan# 2893
Delta R.T. 0.381 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

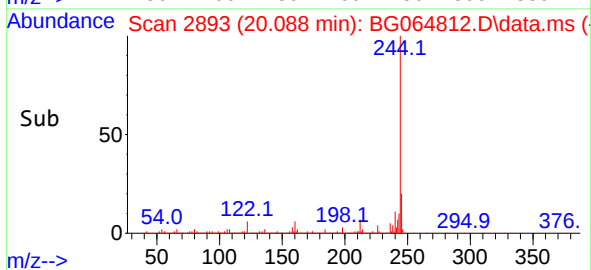
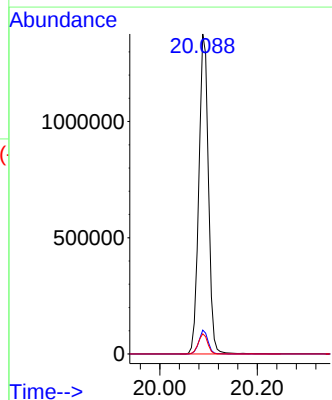
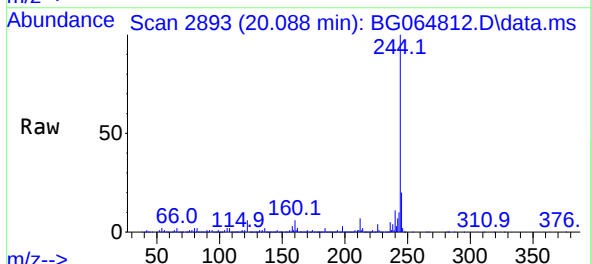
Instrument :
BNA_G
ClientSampleId :
PB170598BL

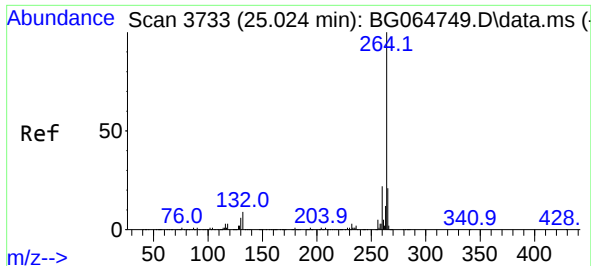
Tgt Ion:184	Resp:	27863	
Ion	Ratio	Lower	Upper
184	100		
185	17.2	11.8	17.6
183	11.3	9.8	14.6



#79
Terphenyl-d14
Concen: 103.776 ng
RT: 20.088 min Scan# 2893
Delta R.T. -0.006 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

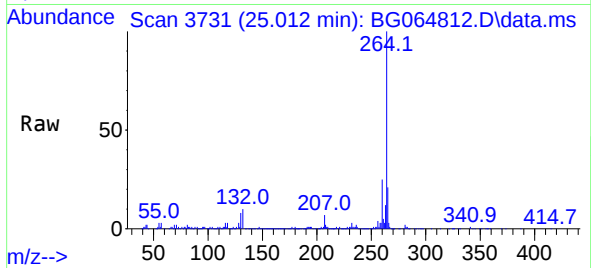
Tgt Ion:244	Resp: 1889008		
Ion Ratio	Lower	Upper	
244 100			
212 7.5	5.8	8.6	
122 6.3	4.3	6.5	





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064812.D
Acq: 19 Nov 2025 12:13

Instrument :
BNA_G
ClientSampleId :
PB170598BL



Tgt Ion:264 Resp: 349744

Ion	Ratio	Lower	Upper
264	100		
260	24.9	17.2	25.8
265	21.2	16.6	25.0

