

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
 Data File : BG064241.D
 Acq On : 2 Sep 2025 11:51
 Operator : RC/JU
 Sample : PB169461BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 12:28:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

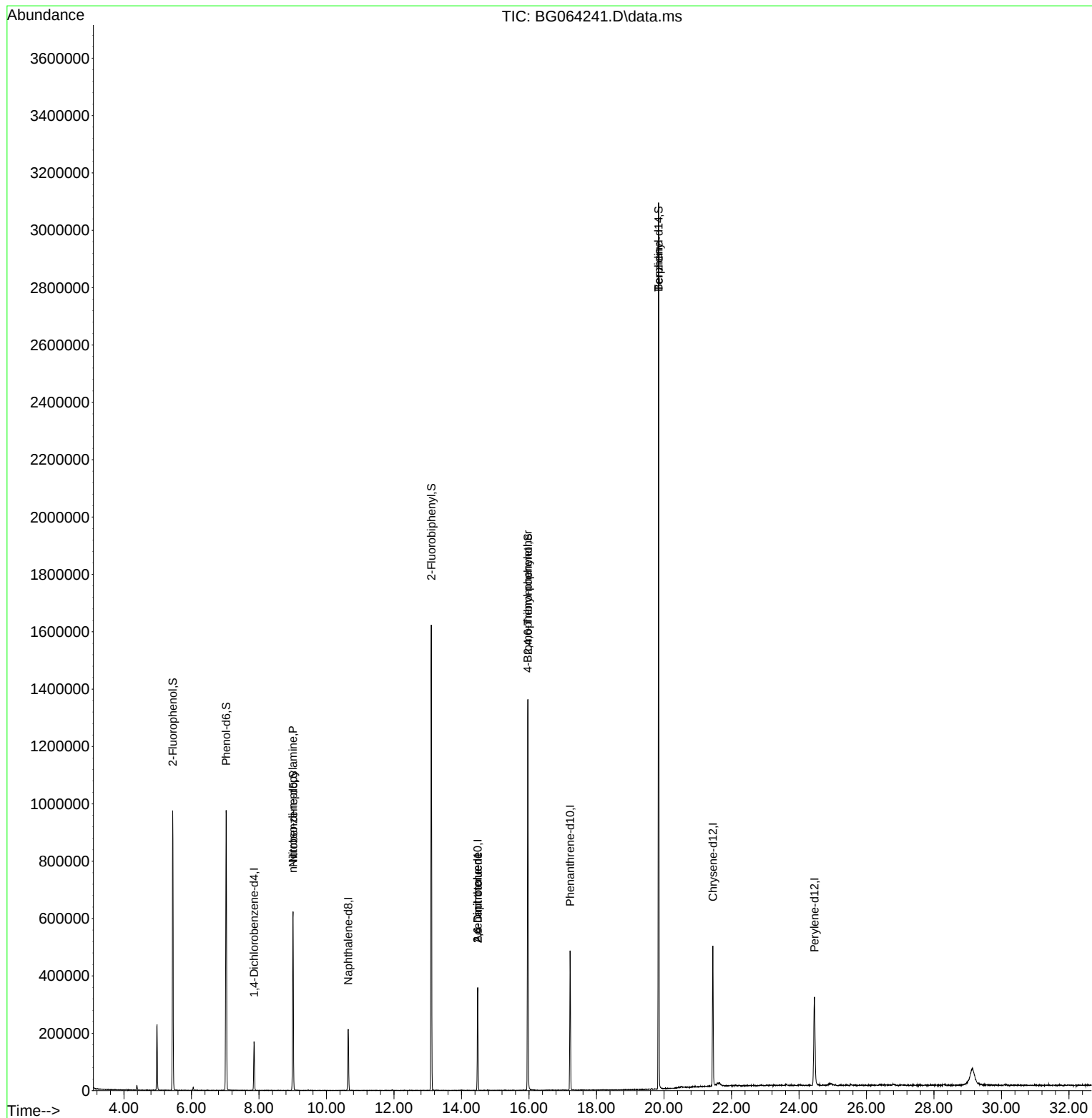
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	41004	20.000	ng	0.00
21) Naphthalene-d8	10.644	136	174606	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	122862	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	281745	20.000	ng	0.00
76) Chrysene-d12	21.449	240	290714	20.000	ng	0.00
86) Perylene-d12	24.458	264	315042	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	365252	159.813	ng	0.00
7) Phenol-d6	7.025	99	495508	157.811	ng	0.00
23) Nitrobenzene-d5	9.011	82	331475	105.875	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	237459	145.916	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	793233	98.546	ng	0.00
79) Terphenyl-d14	19.840	244	1387762	99.595	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.005	70	45110	18.772	ng	# 69
51) 2,6-Dinitrotoluene	14.481	165	15712	8.727	ng	# 14
57) 2,4-Dinitrotoluene	14.481	165	15712	5.772	ng	# 17
67) 4-Bromophenyl-phenylether	15.962	248	17268	5.770	ng	# 1
77) Benzidine	19.840	184	25456	4.162	ng	95

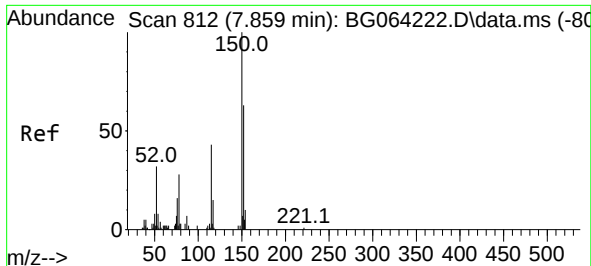
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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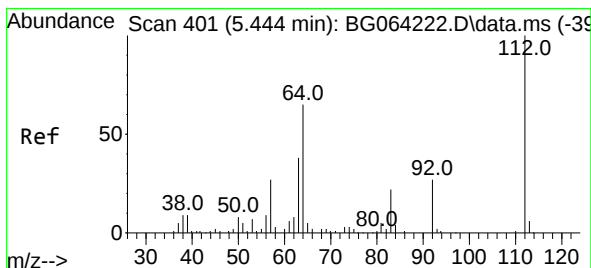
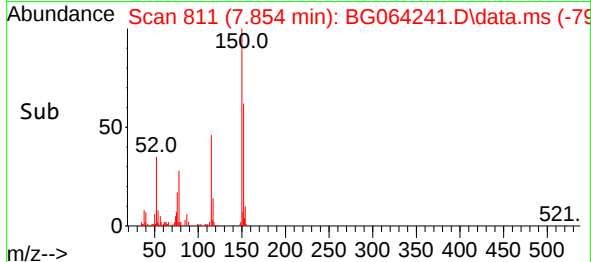
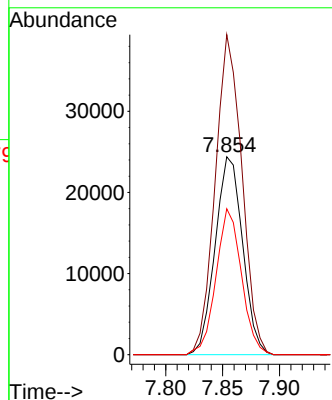
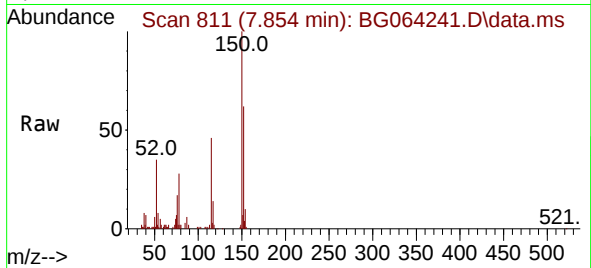




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.854 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

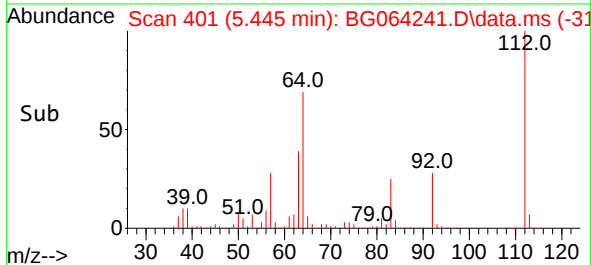
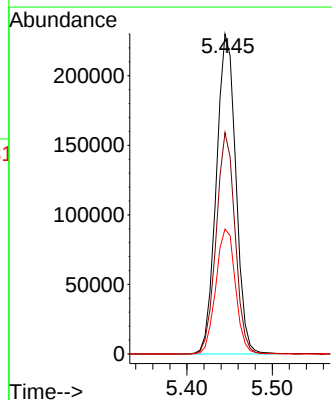
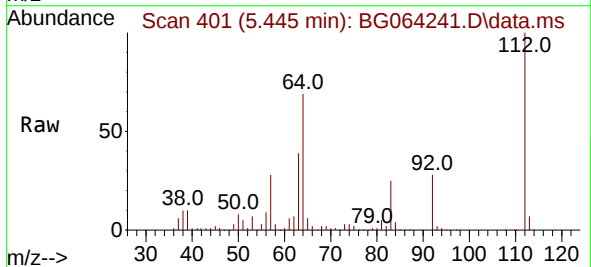
Instrument :
BNA_G
ClientSampleId :

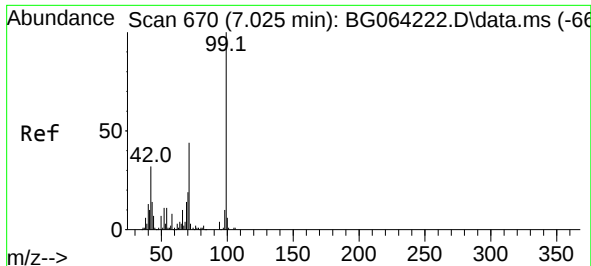
Tgt Ion:152 Resp: 41004
Ion Ratio Lower Upper
152 100
150 161.6 128.0 192.0
115 73.7 55.7 83.5



#5
2-Fluorophenol
Concen: 159.813 ng
RT: 5.445 min Scan# 401
Delta R.T. 0.000 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

Tgt Ion:112 Resp: 365252
Ion Ratio Lower Upper
112 100
64 69.2 51.8 77.6
63 39.0 30.6 45.8

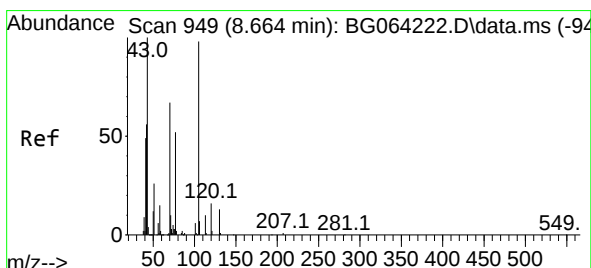
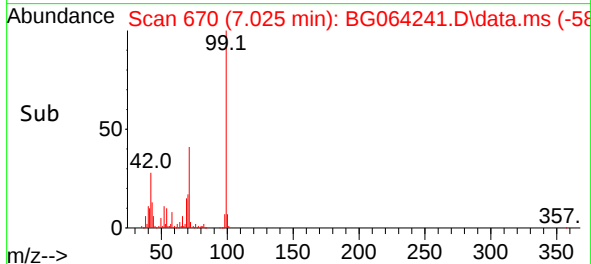
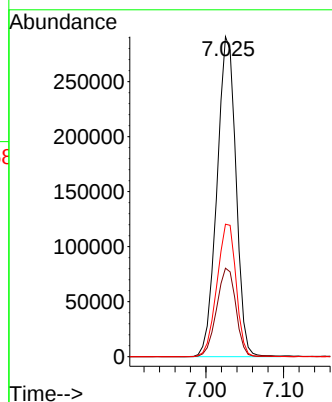
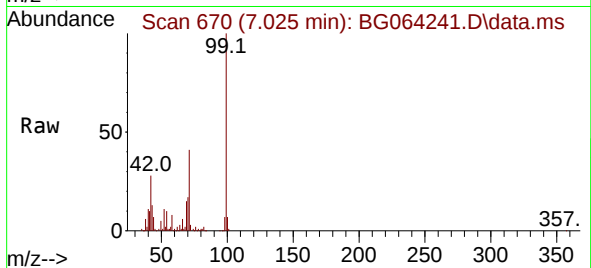




#7
Phenol-d6
Concen: 157.811 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

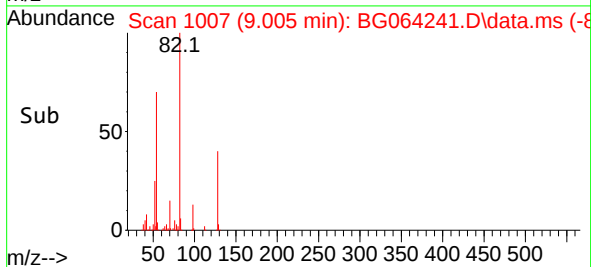
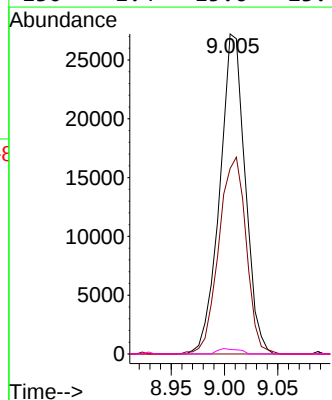
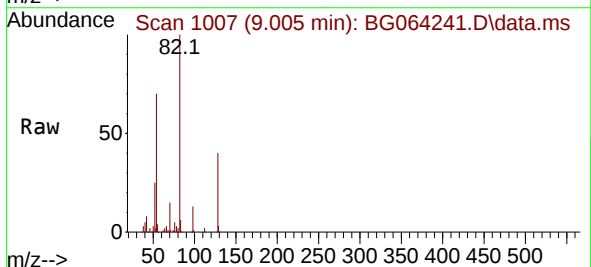
Instrument :
BNA_G
ClientSampleId :

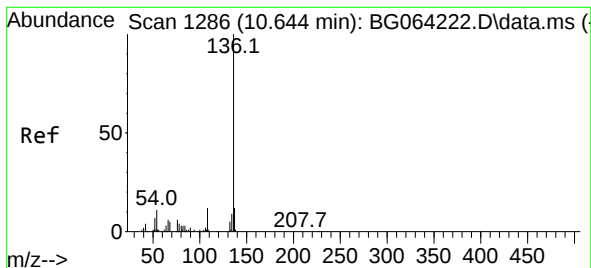
Tgt Ion: 99 Resp: 495508
Ion Ratio Lower Upper
99 100
42 27.6 25.8 38.8
71 41.4 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.772 ng
RT: 9.005 min Scan# 1007
Delta R.T. 0.341 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

Tgt Ion: 70 Resp: 45110
Ion Ratio Lower Upper
70 100
42 57.9 67.9 101.9#
101 0.0 7.3 10.9#
130 1.4 15.6 23.4#

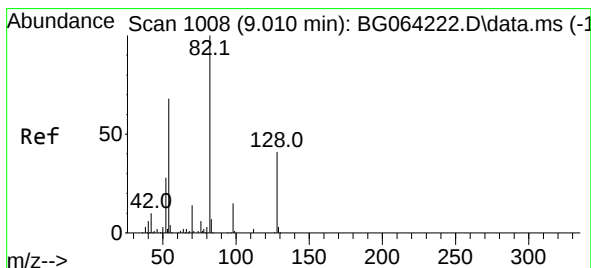
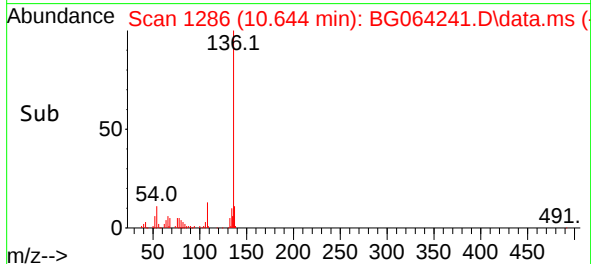
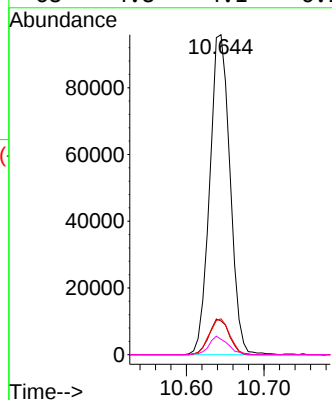
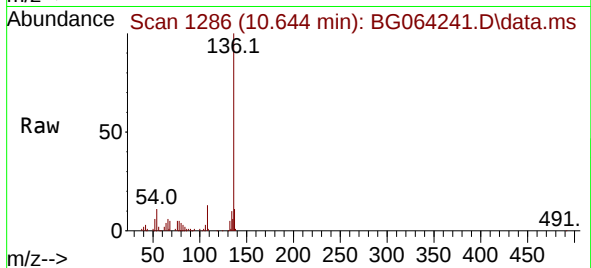




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.644 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

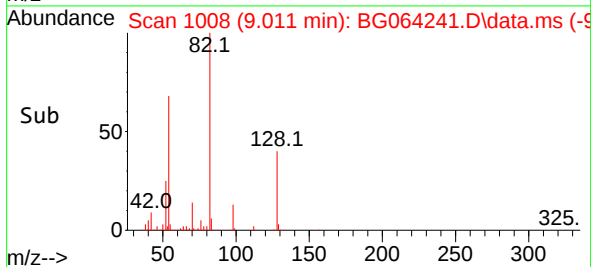
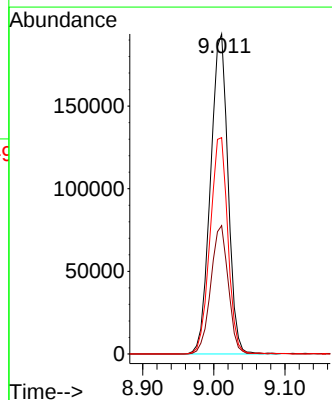
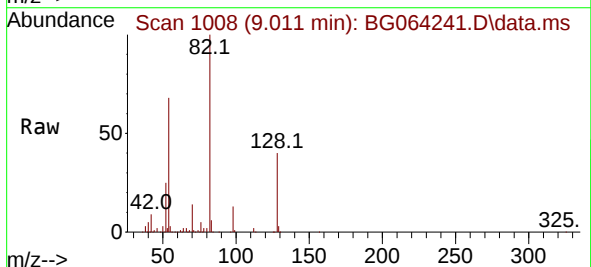
Instrument :
BNA_G
ClientSampleId :

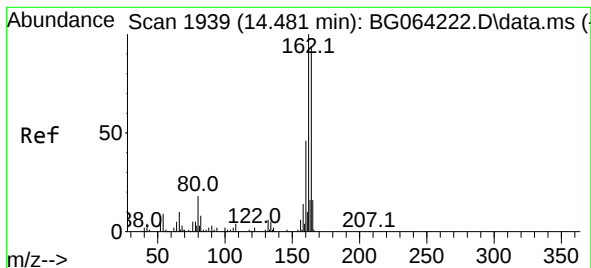
Tgt Ion:	136	Resp:	174606
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.6	14.4
54	11.2	8.8	13.2
68	4.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 105.875 ng
RT: 9.011 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

Tgt Ion:	82	Resp:	331475
Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.6	48.8
54	67.6	54.7	82.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.481 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BG064241.D

Acq: 2 Sep 2025 11:51

Instrument :

BNA_G

ClientSampleId :

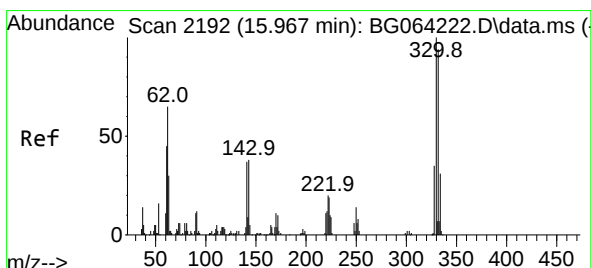
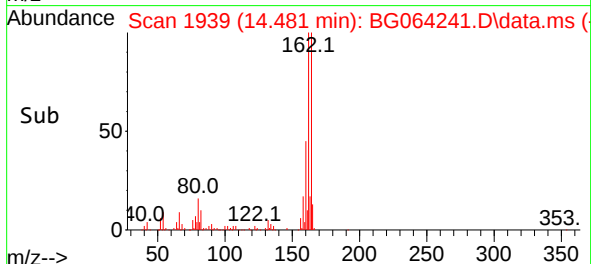
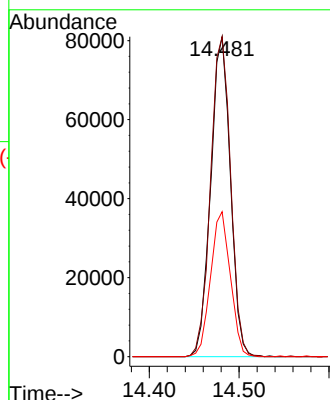
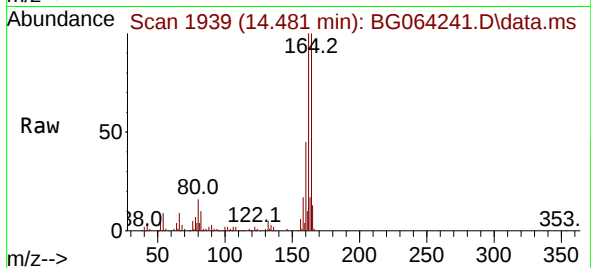
Tgt Ion:164 Resp: 122862

Ion Ratio Lower Upper

164 100

162 100.1 85.4 128.0

160 45.4 39.2 58.8



#42

2,4,6-Tribromophenol

Concen: 145.916 ng

RT: 15.968 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BG064241.D

Acq: 2 Sep 2025 11:51

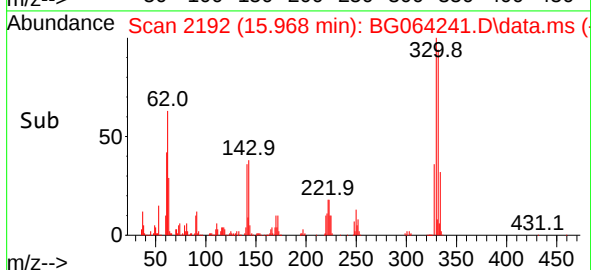
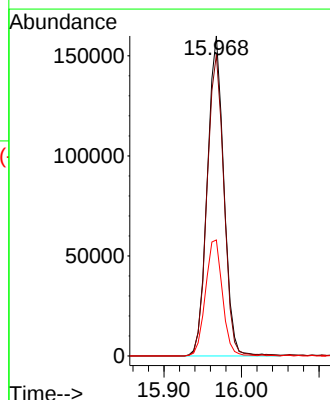
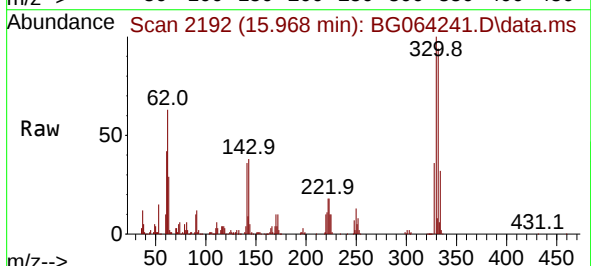
Tgt Ion:330 Resp: 237459

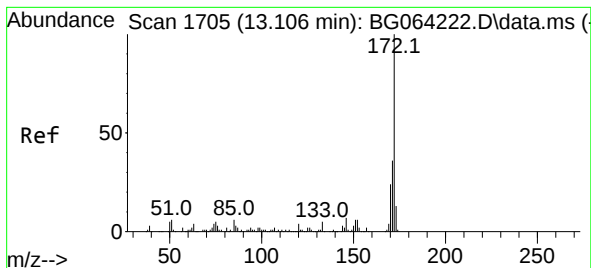
Ion Ratio Lower Upper

330 100

332 95.7 77.6 116.4

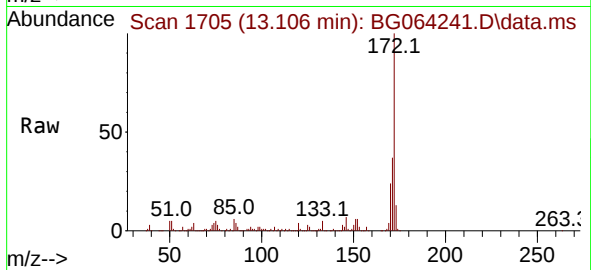
141 37.1 29.8 44.6



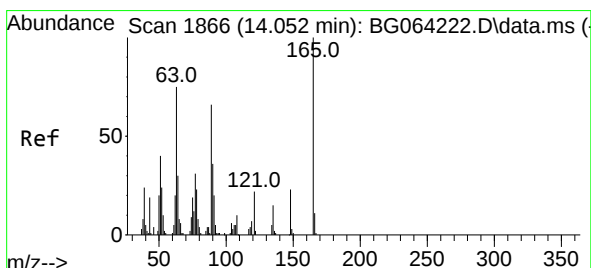
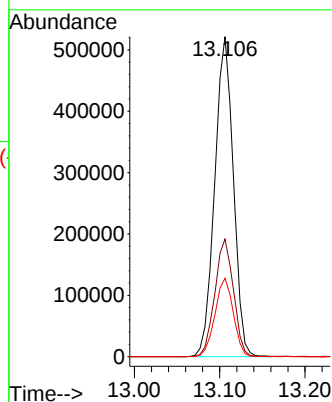
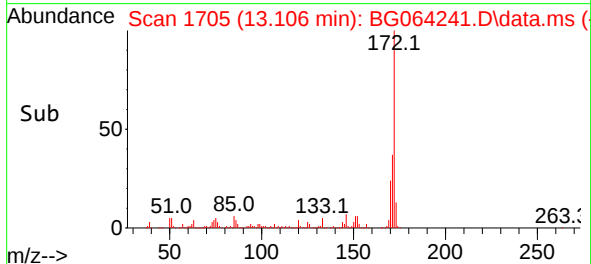


#45
2-Fluorobiphenyl
Concen: 98.546 ng
RT: 13.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

Instrument :
BNA_G
ClientSampleId :

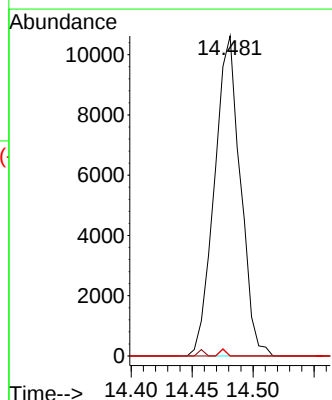
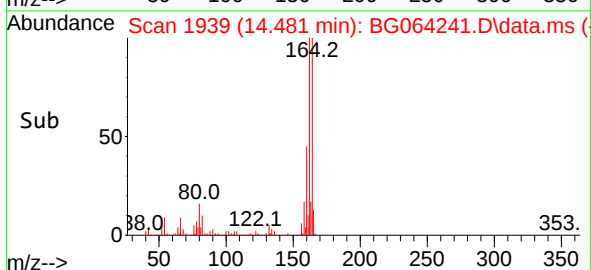
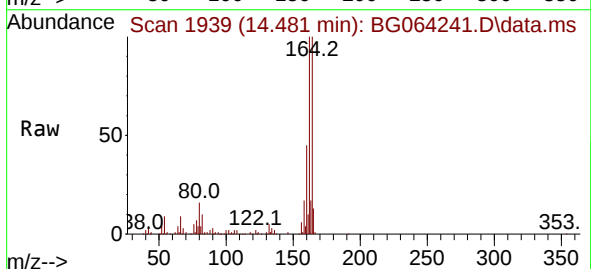


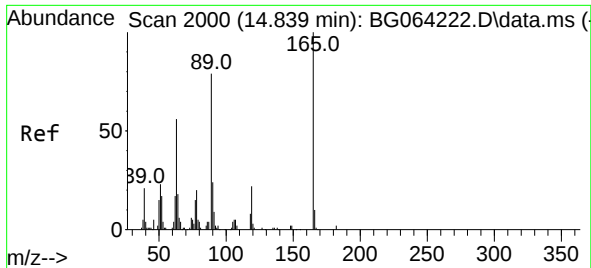
Tgt Ion:172 Resp: 793233
Ion Ratio Lower Upper
172 100
171 36.8 28.7 43.1
170 24.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.727 ng
RT: 14.481 min Scan# 1939
Delta R.T. 0.423 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

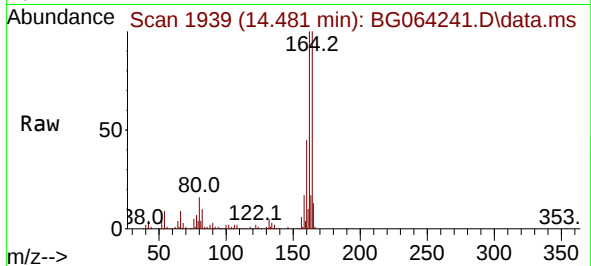
Tgt Ion:165 Resp: 15712
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#



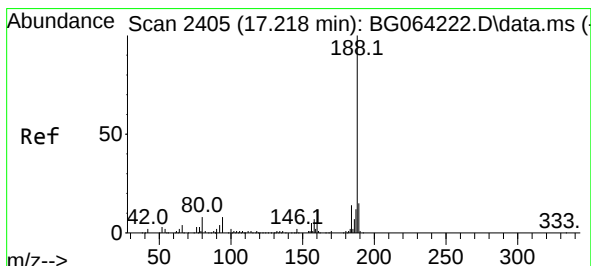
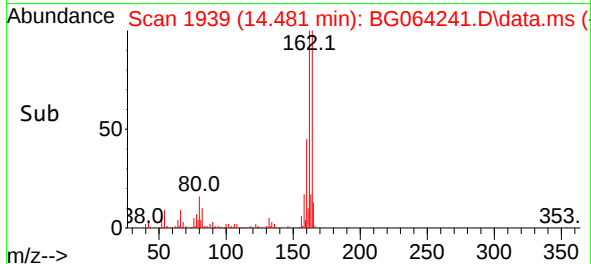
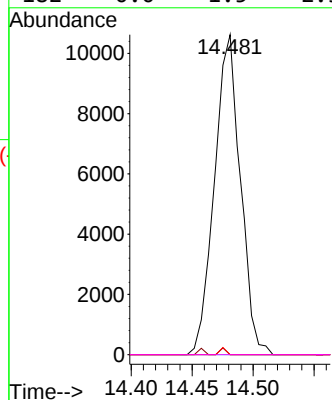


#57
2,4-Dinitrotoluene
Concen: 5.772 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.364 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

Instrument :
BNA_G
ClientSampleId :

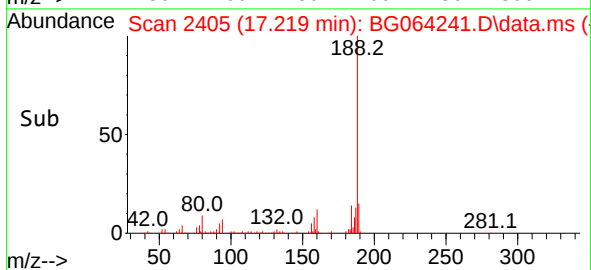
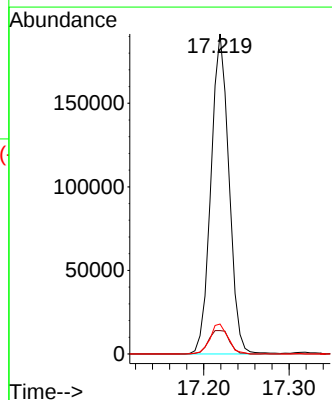
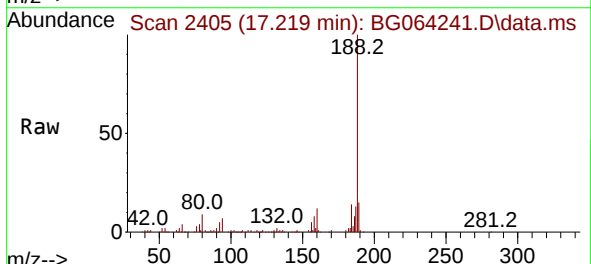


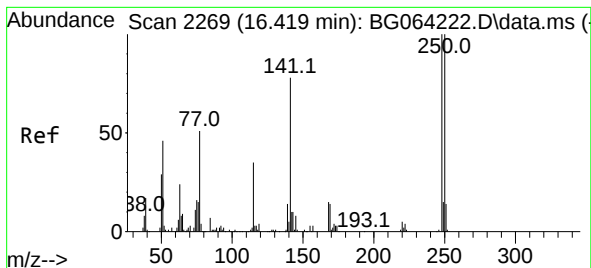
Tgt Ion:165 Resp: 15712
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

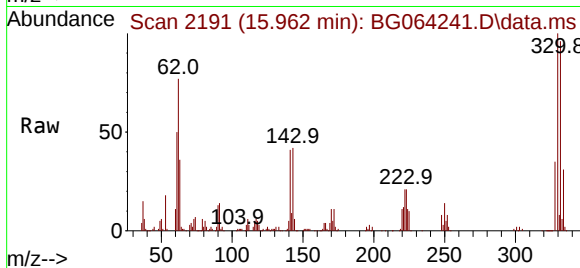
Tgt Ion:188 Resp: 281745
Ion Ratio Lower Upper
188 100
94 7.3 6.2 9.4
80 9.3 6.8 10.2



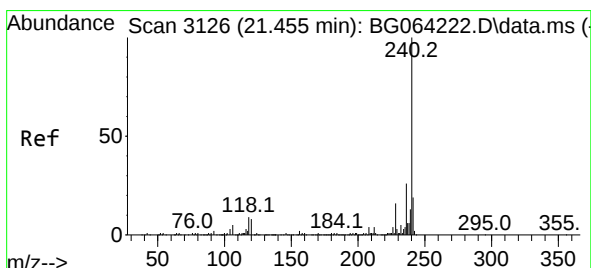
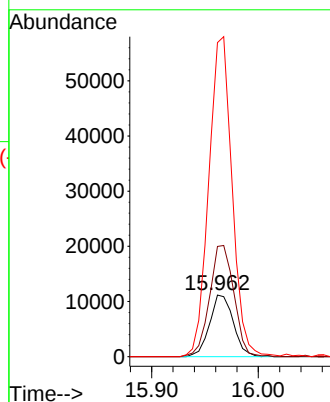
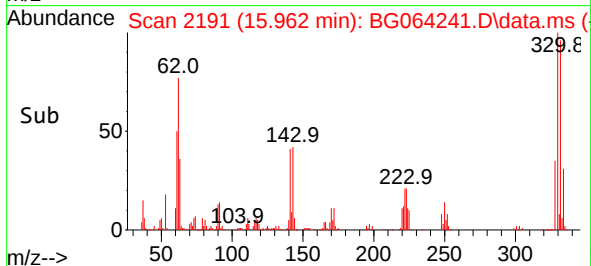


#67
4-Bromophenyl-phenylether
Concen: 5.770 ng
RT: 15.962 min Scan# 2191
Delta R.T. -0.458 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

Instrument :
BNA_G
ClientSampleId :

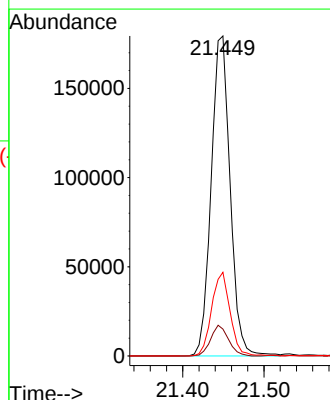
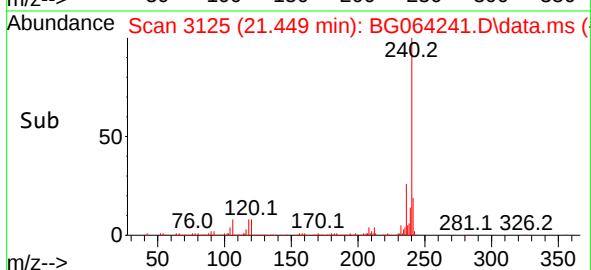
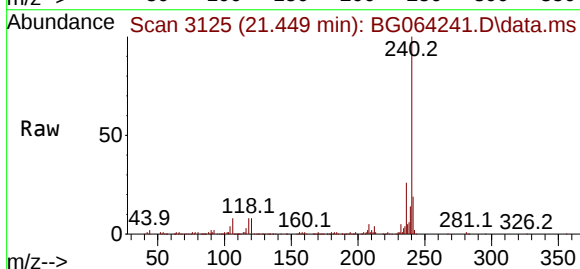


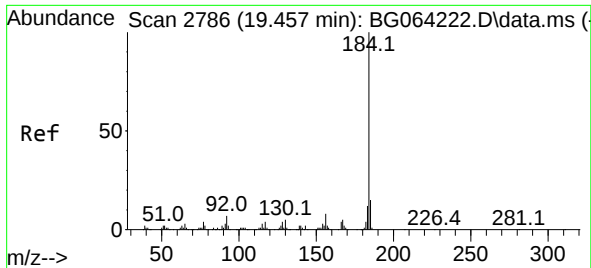
Tgt Ion:248 Resp: 17268
Ion Ratio Lower Upper
248 100
250 178.9 80.2 120.4#
141 509.9 62.4 93.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

Tgt Ion:240 Resp: 290714
Ion Ratio Lower Upper
240 100
120 8.4 6.2 9.4
236 26.1 20.5 30.7

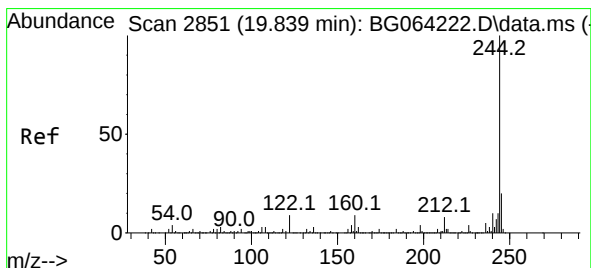
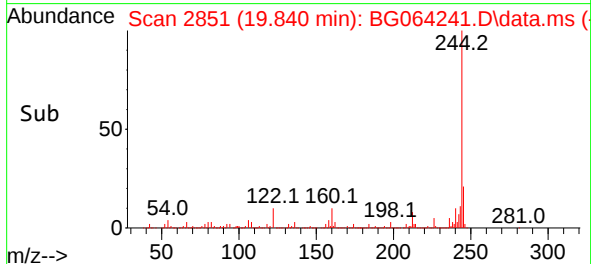
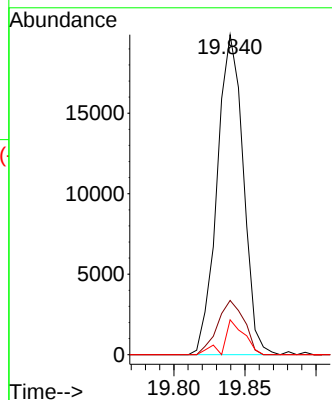
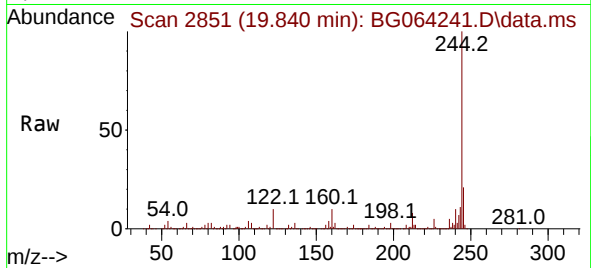




#77
Benzidine
Concen: 4.162 ng
RT: 19.840 min Scan# 2851
Delta R.T. 0.382 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

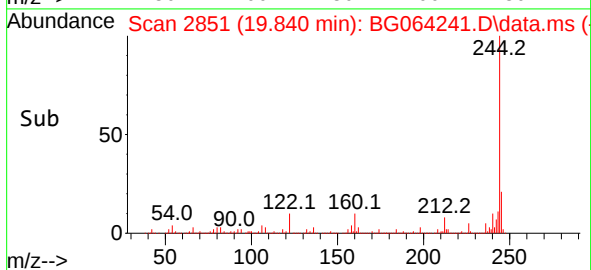
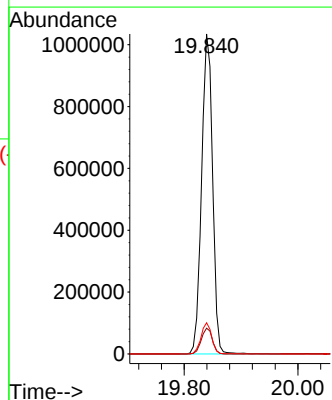
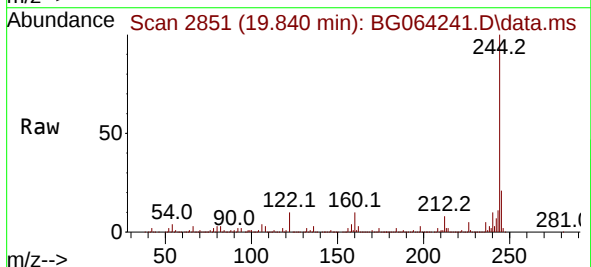
Instrument :
BNA_G
ClientSampleId :

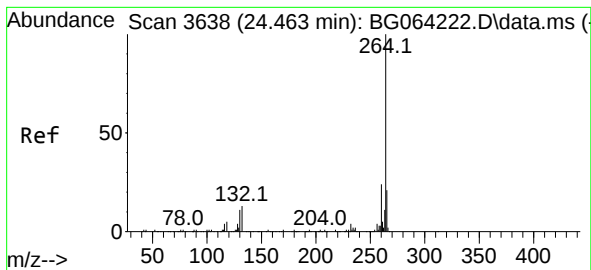
Tgt Ion:184 Resp: 25456
Ion Ratio Lower Upper
184 100
185 17.0 11.7 17.5
183 10.9 9.7 14.5



#79
Terphenyl-d14
Concen: 99.595 ng
RT: 19.840 min Scan# 2851
Delta R.T. -0.006 min
Lab File: BG064241.D
Acq: 2 Sep 2025 11:51

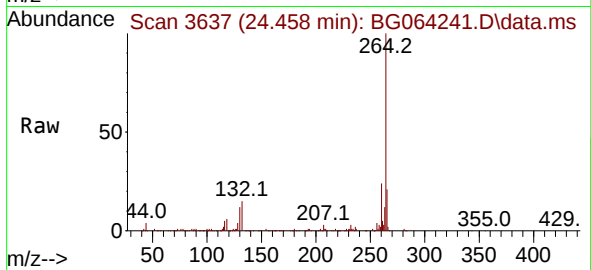
Tgt Ion:244 Resp: 1387762
Ion Ratio Lower Upper
244 100
212 8.0 6.6 10.0
122 9.7 7.0 10.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.458 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BG064241.D
 Acq: 2 Sep 2025 11:51

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 315042

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.3	16.7	25.1

