

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
 Data File : BG064421.D
 Acq On : 22 Sep 2025 18:59
 Operator : RC/JU
 Sample : PB169754TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 23 01:51:37 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)

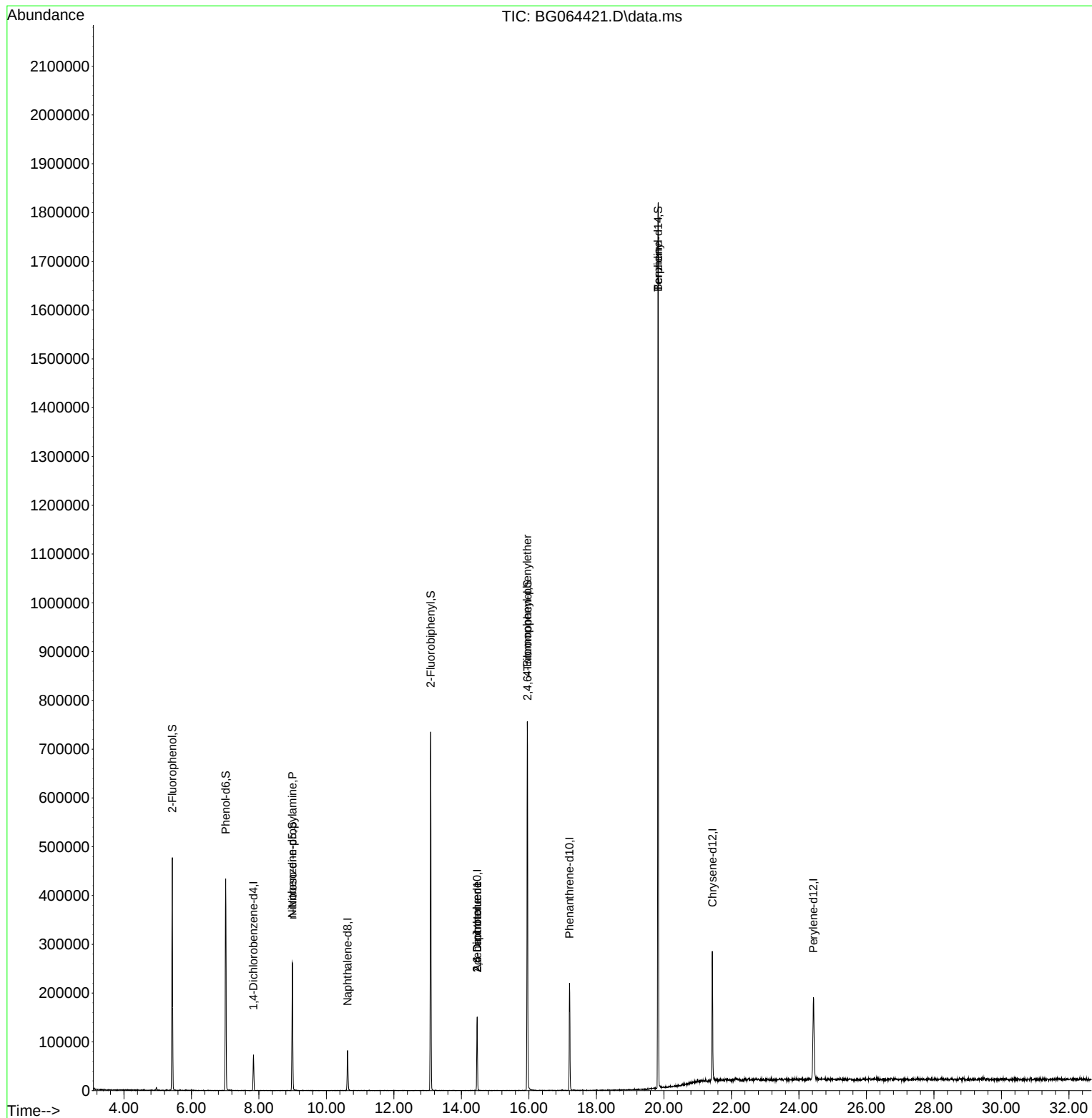
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.838	152	17631	20.000	ng	-0.02
21) Naphthalene-d8	10.628	136	68244	20.000	ng	#-0.02
39) Acenaphthene-d10	14.465	164	51178	20.000	ng	-0.02
64) Phenanthrene-d10	17.203	188	135776	20.000	ng	#-0.02
76) Chrysene-d12	21.433	240	156064	20.000	ng	#-0.02
86) Perylene-d12	24.430	264	171396	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	168183	171.140	ng	0.00
7) Phenol-d6	7.015	99	192749	142.767	ng	-0.02
23) Nitrobenzene-d5	8.989	82	132892	108.602	ng	-0.03
42) 2,4,6-Tribromophenol	15.957	330	140266	206.920	ng	-0.02
45) 2-Fluorobiphenyl	13.090	172	357045	106.486	ng	-0.02
79) Terphenyl-d14	19.829	244	854443	114.227	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.995	70	20904	20.231	ng	# 74
51) 2,6-Dinitrotoluene	14.465	165	7459	9.946	ng	# 14
57) 2,4-Dinitrotoluene	14.465	165	7459	6.578	ng	# 17
67) 4-Bromophenyl-phenylether	15.952	248	10435	7.236	ng	# 1
77) Benzidine	19.829	184	17658	5.379	ng	# 89

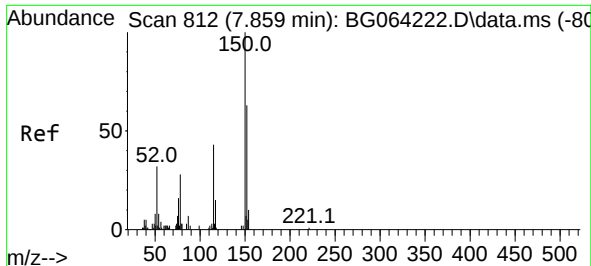
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

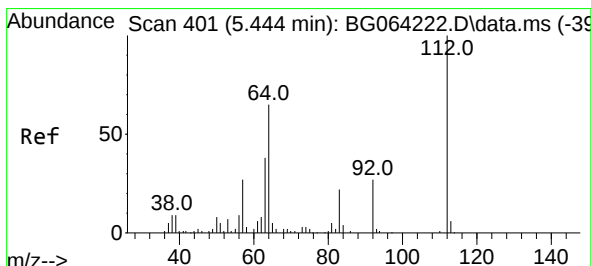
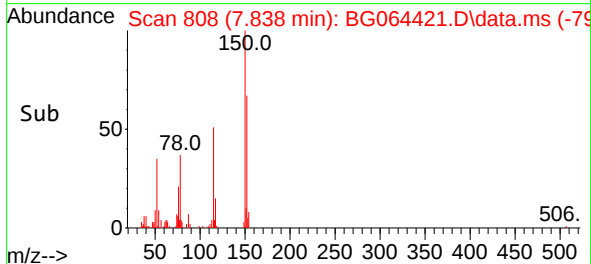
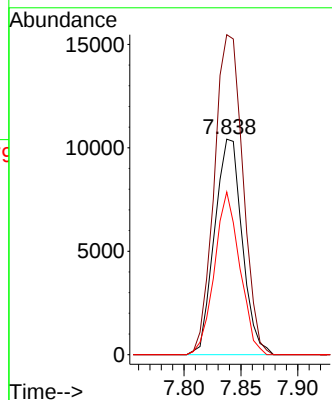
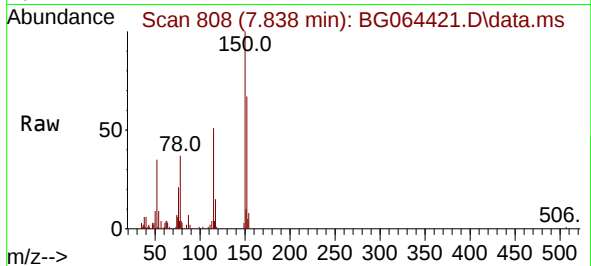




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.838 min Scan# 80
Delta R.T. -0.021 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

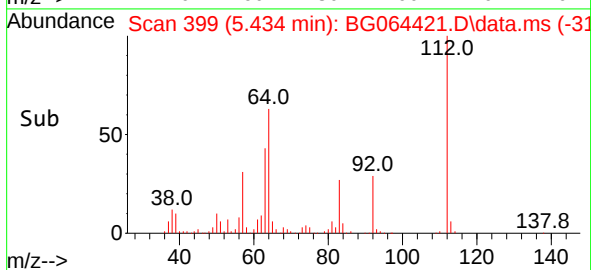
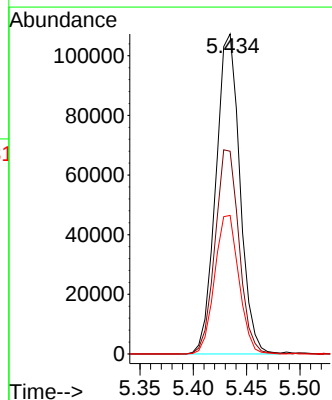
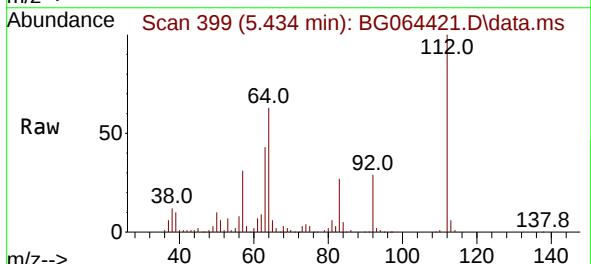
Instrument :
BNA_G
ClientSampleId :

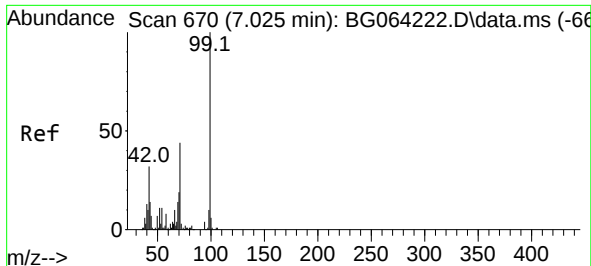
Tgt Ion:152 Resp: 17631
Ion Ratio Lower Upper
152 100
150 148.5 128.0 192.0
115 75.6 55.7 83.5



#5
2-Fluorophenol
Concen: 171.140 ng
RT: 5.434 min Scan# 399
Delta R.T. -0.010 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

Tgt Ion:112 Resp: 168183
Ion Ratio Lower Upper
112 100
64 63.4 51.8 77.6
63 43.3 30.6 45.8

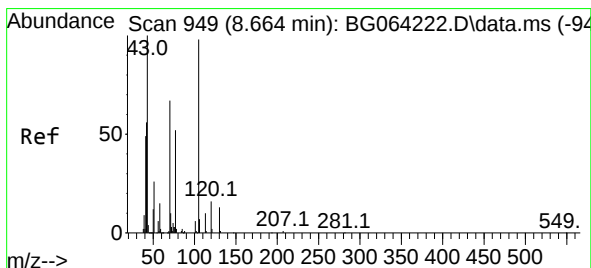
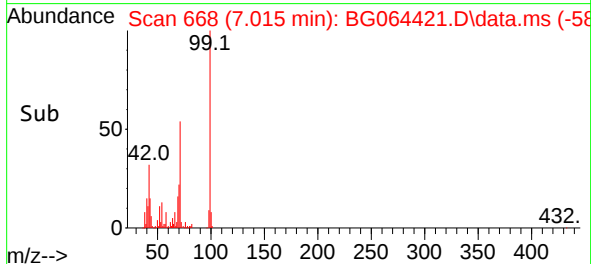
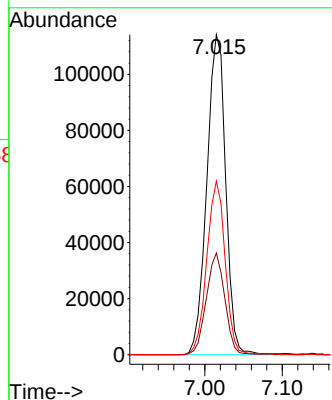
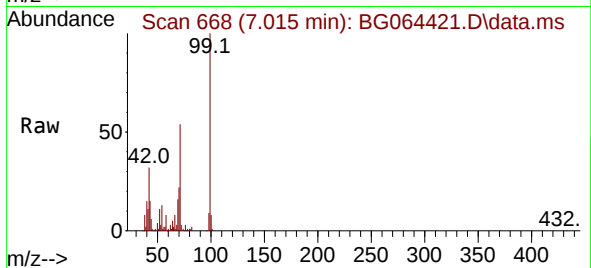




#7
Phenol-d6
Concen: 142.767 ng
RT: 7.015 min Scan# 60
Delta R.T. -0.016 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

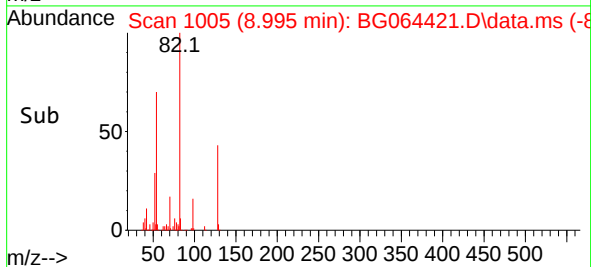
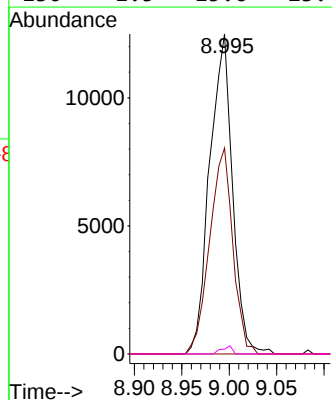
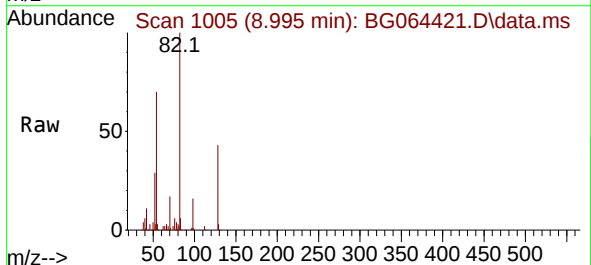
Instrument :
BNA_G
ClientSampleId :

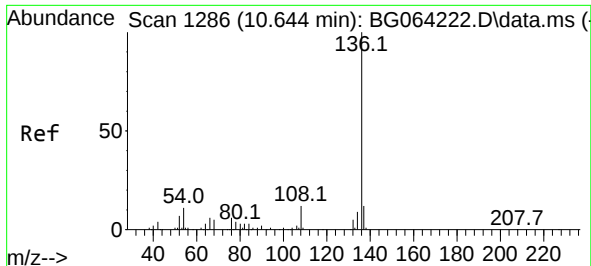
Tgt Ion: 99 Resp: 192749
Ion Ratio Lower Upper
99 100
42 31.8 25.8 38.8
71 54.2 35.2 52.8#



#19
n-Nitroso-di-n-propylamine
Concen: 20.231 ng
RT: 8.995 min Scan# 1005
Delta R.T. 0.331 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

Tgt Ion: 70 Resp: 20904
Ion Ratio Lower Upper
70 100
42 64.3 67.9 101.9#
101 0.0 7.3 10.9#
130 1.5 15.6 23.4#

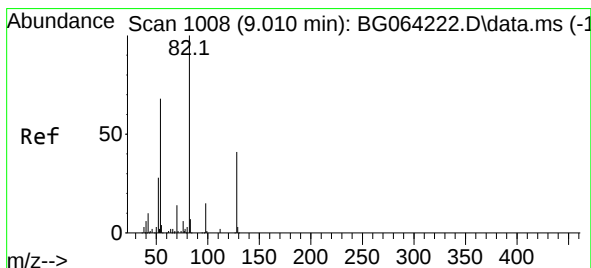
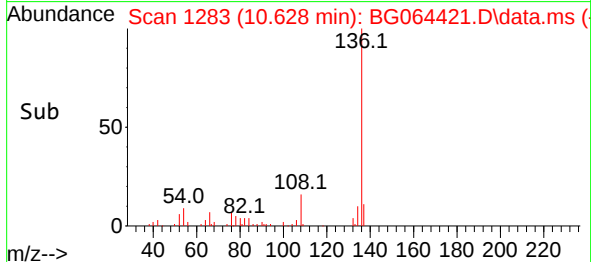
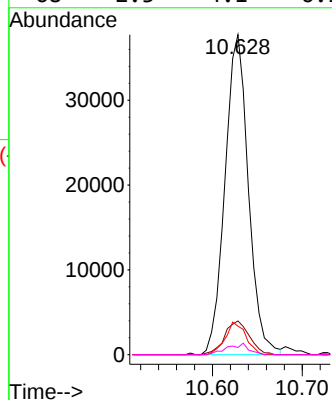
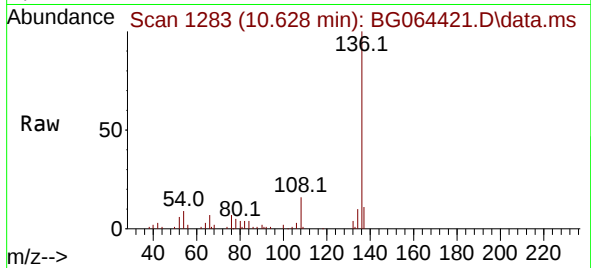




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 11
Delta R.T. -0.022 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

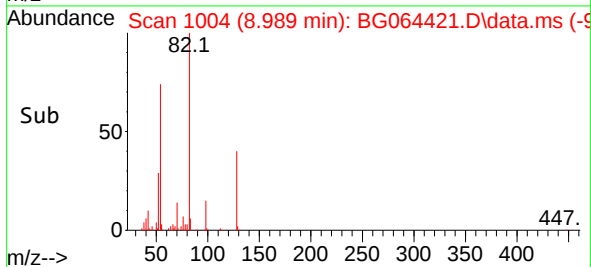
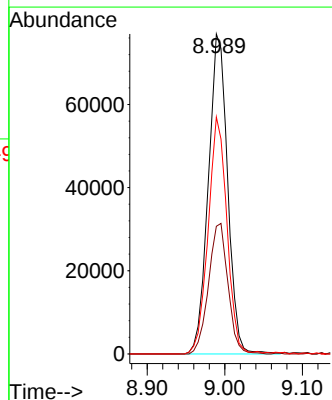
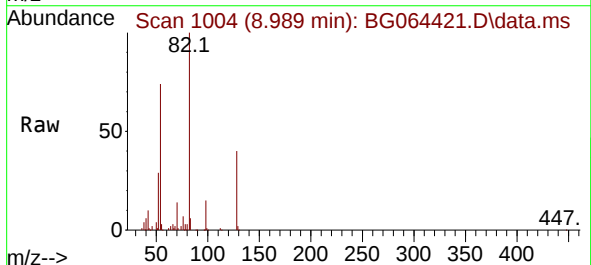
Instrument :
BNA_G
ClientSampleId :

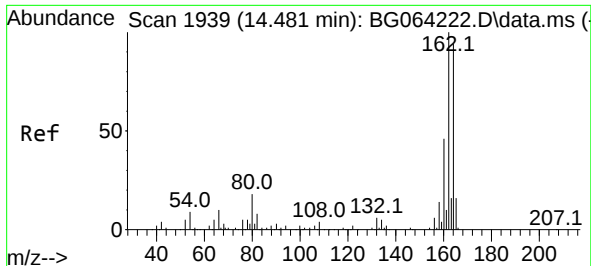
Tgt Ion:136	Resp:	68244
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.6 14.4
54	8.9	8.8 13.2
68	2.3	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 108.602 ng
RT: 8.989 min Scan# 1004
Delta R.T. -0.028 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

Tgt Ion: 82	Resp:	132892
Ion Ratio	Lower	Upper
82	100	
128	39.9	32.6 48.8
54	74.1	54.7 82.1

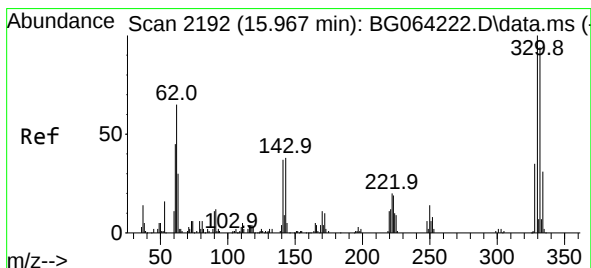
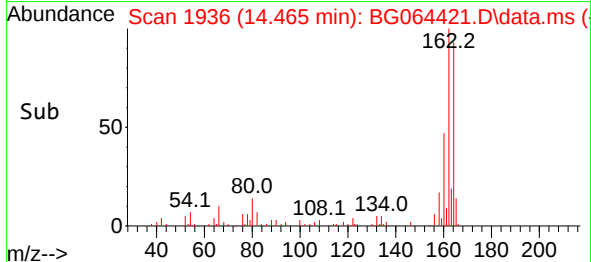
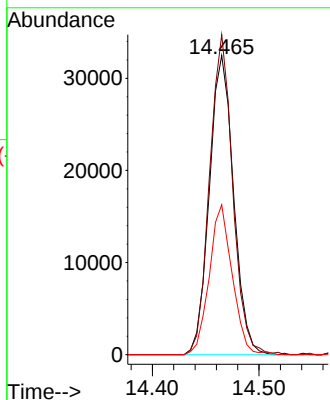
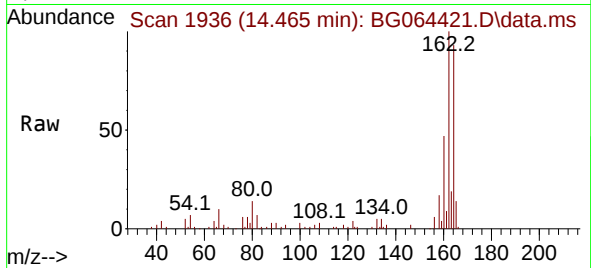




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.465 min Scan# 1936
Delta R.T. -0.016 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

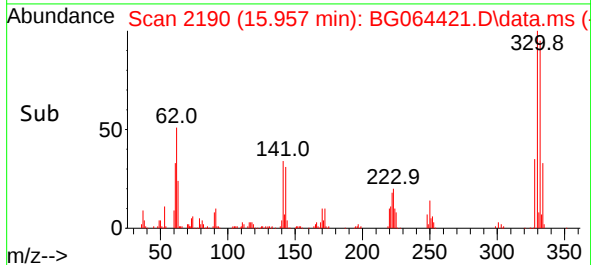
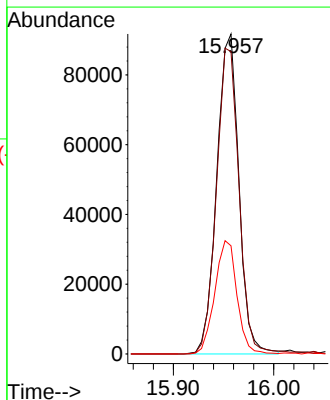
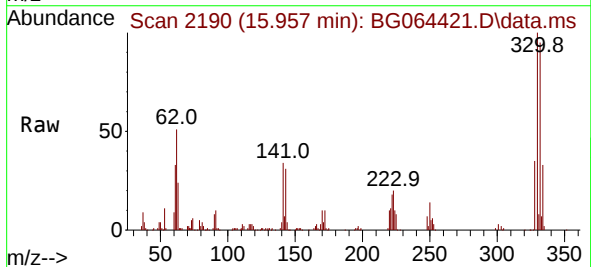
Instrument :
BNA_G
ClientSampleId :

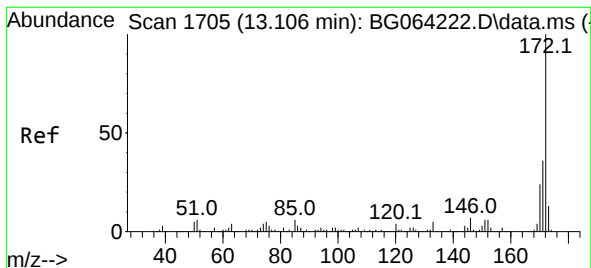
Tgt Ion:164 Resp: 51178
Ion Ratio Lower Upper
164 100
162 107.0 85.4 128.0
160 50.1 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 206.920 ng
RT: 15.957 min Scan# 2190
Delta R.T. -0.016 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

Tgt Ion:330 Resp: 140266
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 35.5 29.8 44.6

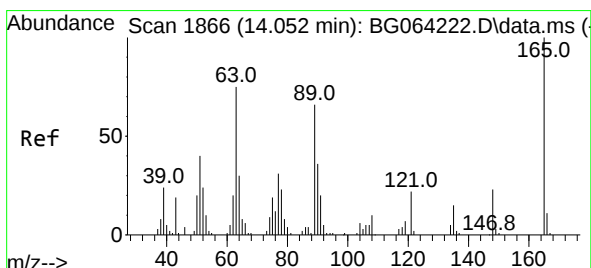
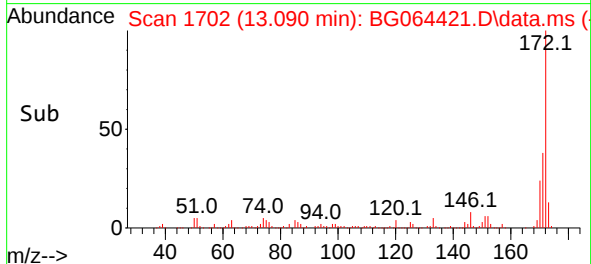
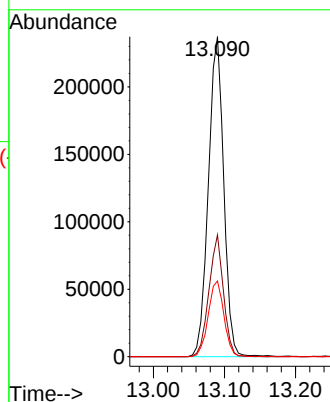
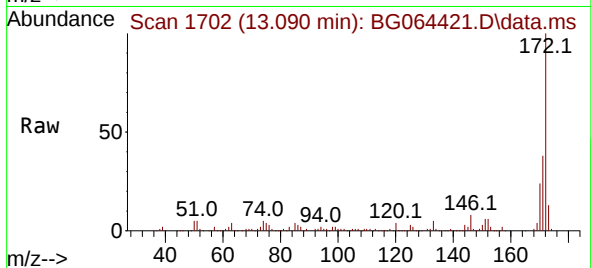




#45
2-Fluorobiphenyl
Concen: 106.486 ng
RT: 13.090 min Scan# 11
Delta R.T. -0.022 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

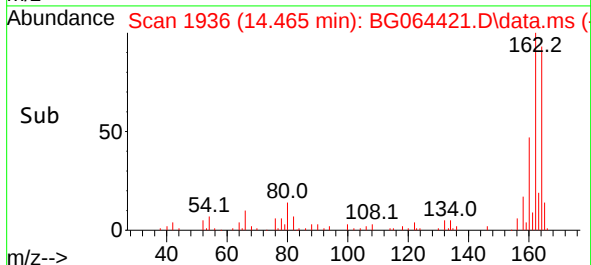
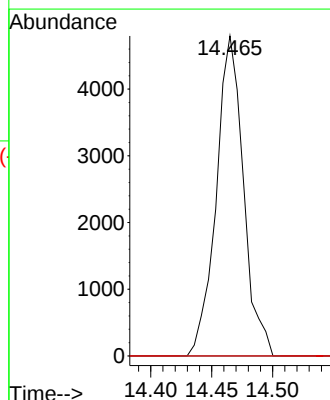
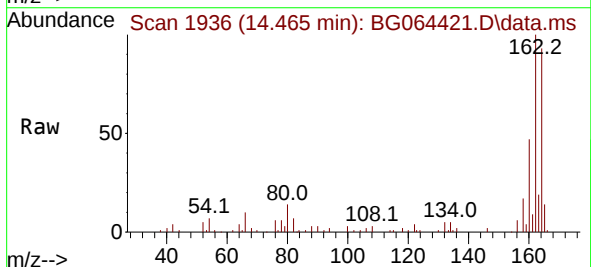
Instrument :
BNA_G
ClientSampleId :

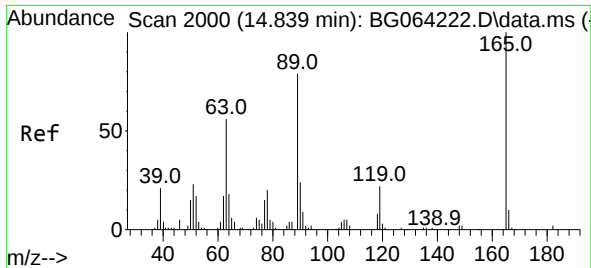
Tgt Ion:172 Resp: 357045
Ion Ratio Lower Upper
172 100
171 38.0 28.7 43.1
170 23.6 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.946 ng
RT: 14.465 min Scan# 1936
Delta R.T. 0.407 min
Lab File: BG064421.D
Acq: 22 Sep 2025 18:59

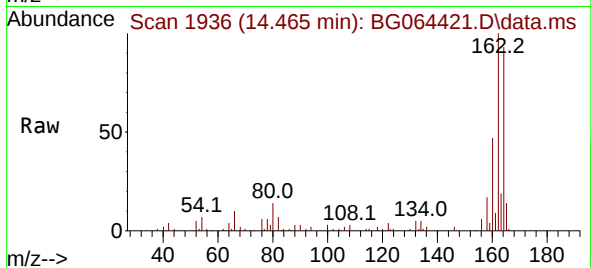
Tgt Ion:165 Resp: 7459
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#



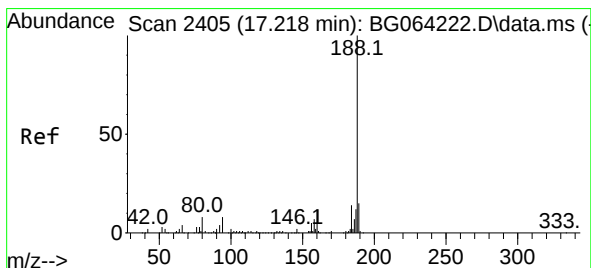
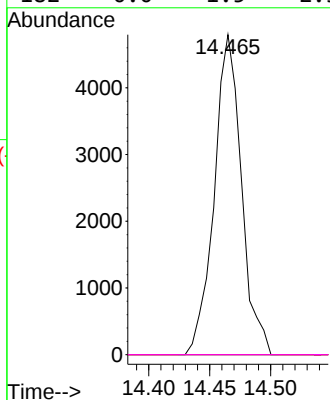
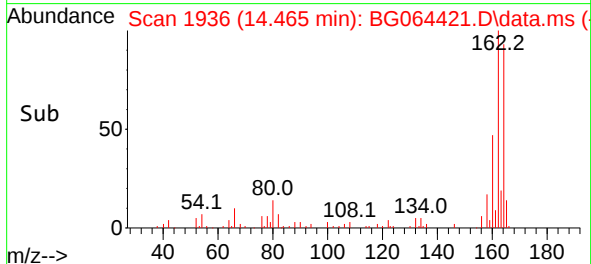


#57
 2,4-Dinitrotoluene
 Concen: 6.578 ng
 RT: 14.465 min Scan# 1936
 Delta R.T. -0.380 min
 Lab File: BG064421.D
 Acq: 22 Sep 2025 18:59

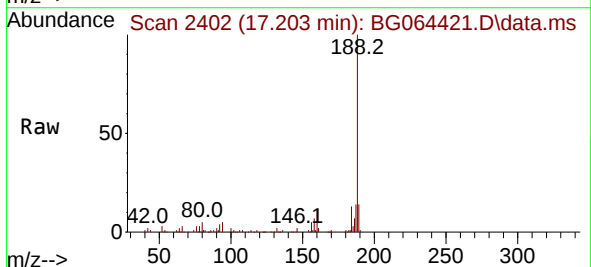
Instrument :
 BNA_G
 ClientSampleId :



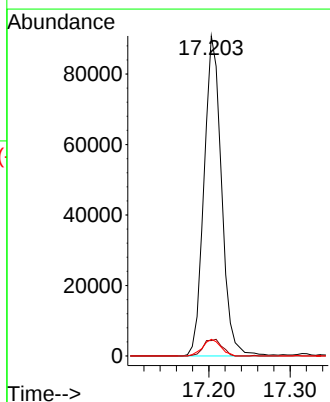
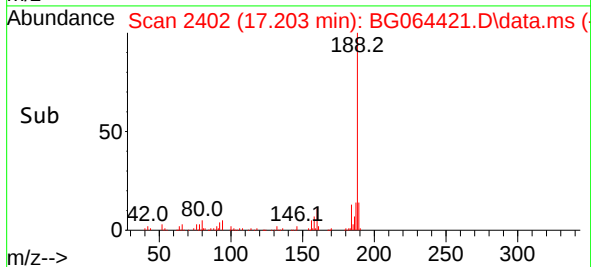
Tgt Ion:	165	Resp:	7459
Ion Ratio	Lower	Upper	
165	100		
63	0.0	44.6	67.0#
89	0.0	63.0	94.4#
182	0.0	1.5	2.3#

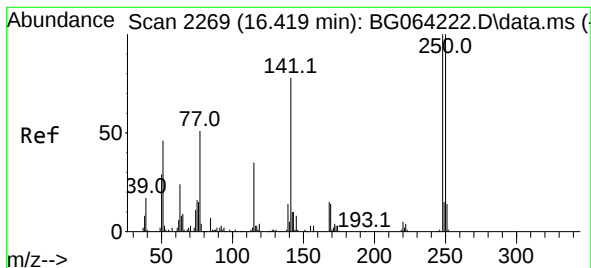


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.203 min Scan# 2402
 Delta R.T. -0.022 min
 Lab File: BG064421.D
 Acq: 22 Sep 2025 18:59



Tgt Ion:	188	Resp:	135776
Ion Ratio	Lower	Upper	
188	100		
94	4.8	6.2	9.4#
80	5.2	6.8	10.2#





#67

4-Bromophenyl-phenylether

Concen: 7.236 ng

RT: 15.952 min Scan# 21

Delta R.T. -0.468 min

Lab File: BG064421.D

Acq: 22 Sep 2025 18:59

Instrument :

BNA_G

ClientSampleId :

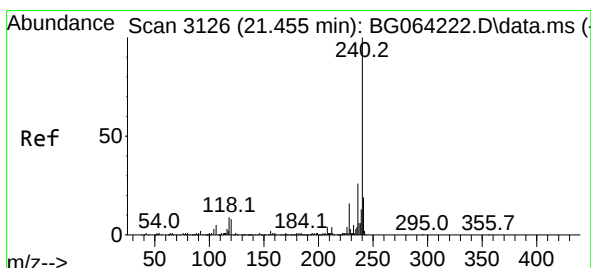
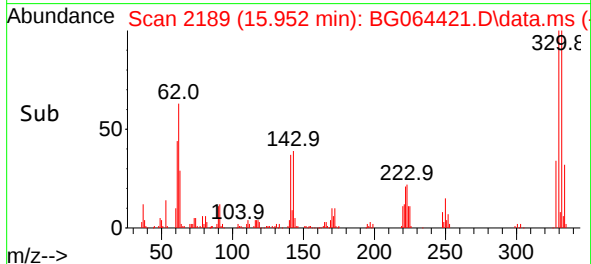
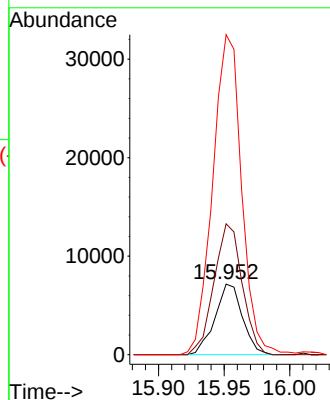
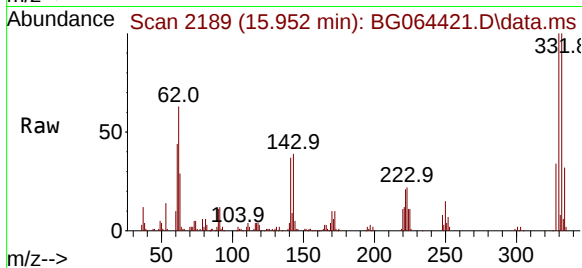
Tgt Ion:248 Resp: 10435

Ion Ratio Lower Upper

248 100

250 185.6 80.2 120.4#

141 453.7 62.4 93.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3122

Delta R.T. -0.022 min

Lab File: BG064421.D

Acq: 22 Sep 2025 18:59

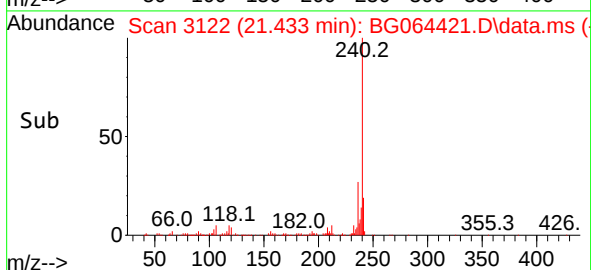
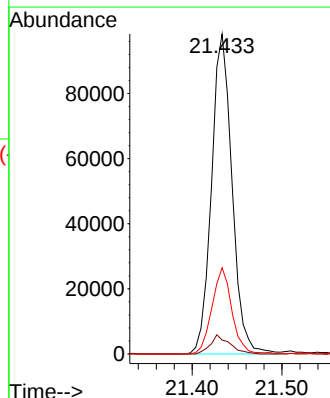
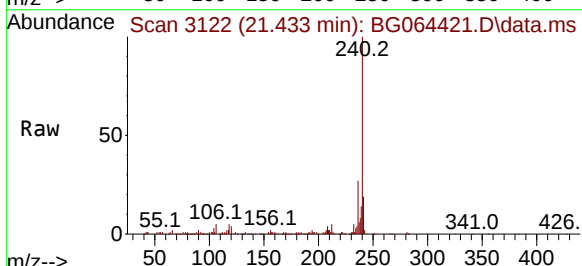
Tgt Ion:240 Resp: 156064

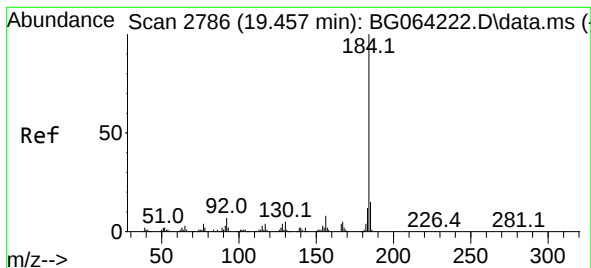
Ion Ratio Lower Upper

240 100

120 4.4 6.2 9.4#

236 27.0 20.5 30.7





#77

Benzidine

Concen: 5.379 ng

RT: 19.829 min Scan# 2849

Delta R.T. 0.372 min

Lab File: BG064421.D

Acq: 22 Sep 2025 18:59

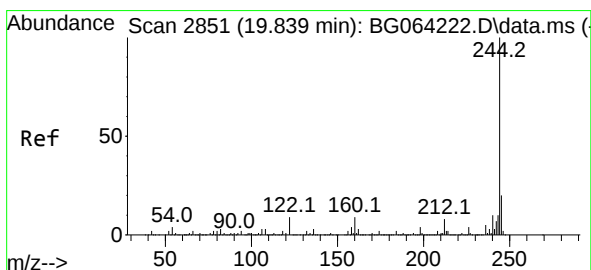
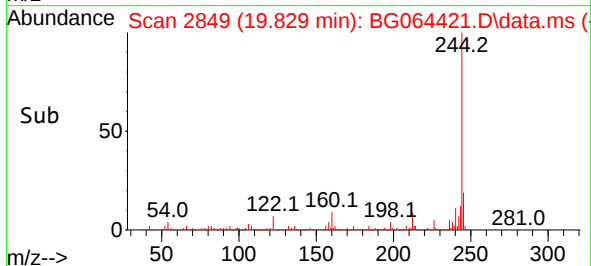
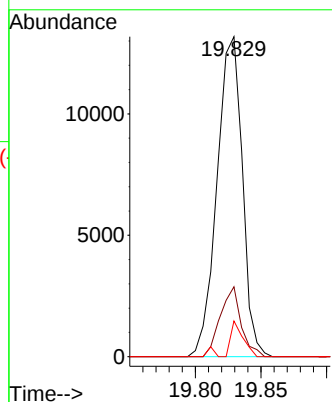
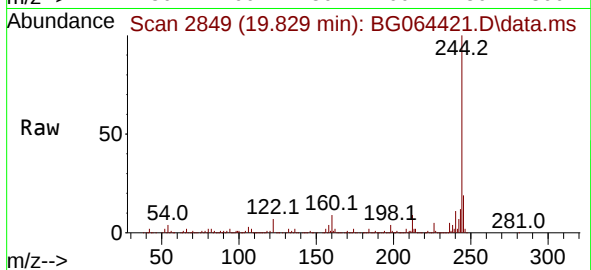
Instrument :

BNA_G

ClientSampleId :

Tgt Ion:184 Resp: 17658

Ion	Ratio	Lower	Upper
184	100		
185	21.9	11.7	17.5#
183	11.2	9.7	14.5



#79

Terphenyl-d14

Concen: 114.227 ng

RT: 19.829 min Scan# 2849

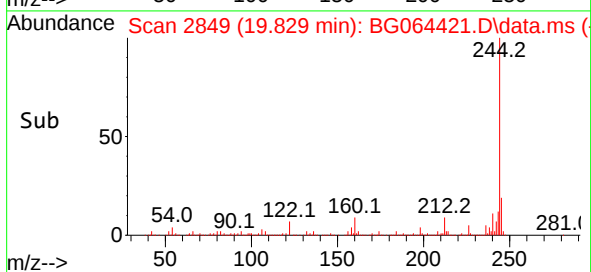
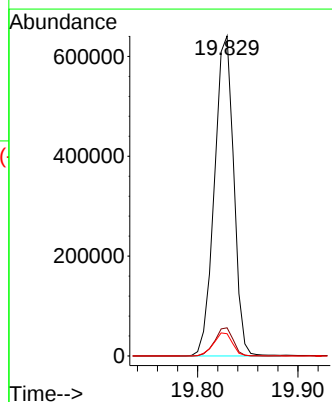
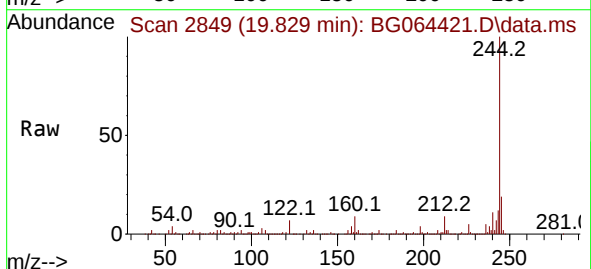
Delta R.T. -0.016 min

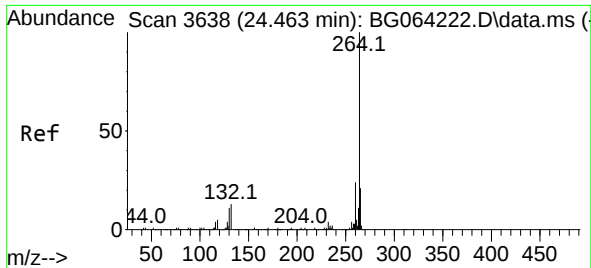
Lab File: BG064421.D

Acq: 22 Sep 2025 18:59

Tgt Ion:244 Resp: 854443

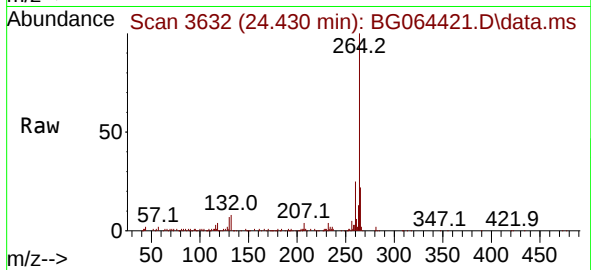
Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.6	10.0
122	7.0	7.0	10.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.430 min Scan# 30
 Delta R.T. -0.033 min
 Lab File: BG064421.D
 Acq: 22 Sep 2025 18:59

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 171396
 Ion Ratio Lower Upper
 264 100
 260 25.2 18.9 28.3
 265 21.6 16.7 25.1

