

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090925\
 Data File : BG064320.D
 Acq On : 9 Sep 2025 12:19
 Operator : RC/JU
 Sample : PB169604BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 09 12:57:01 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)

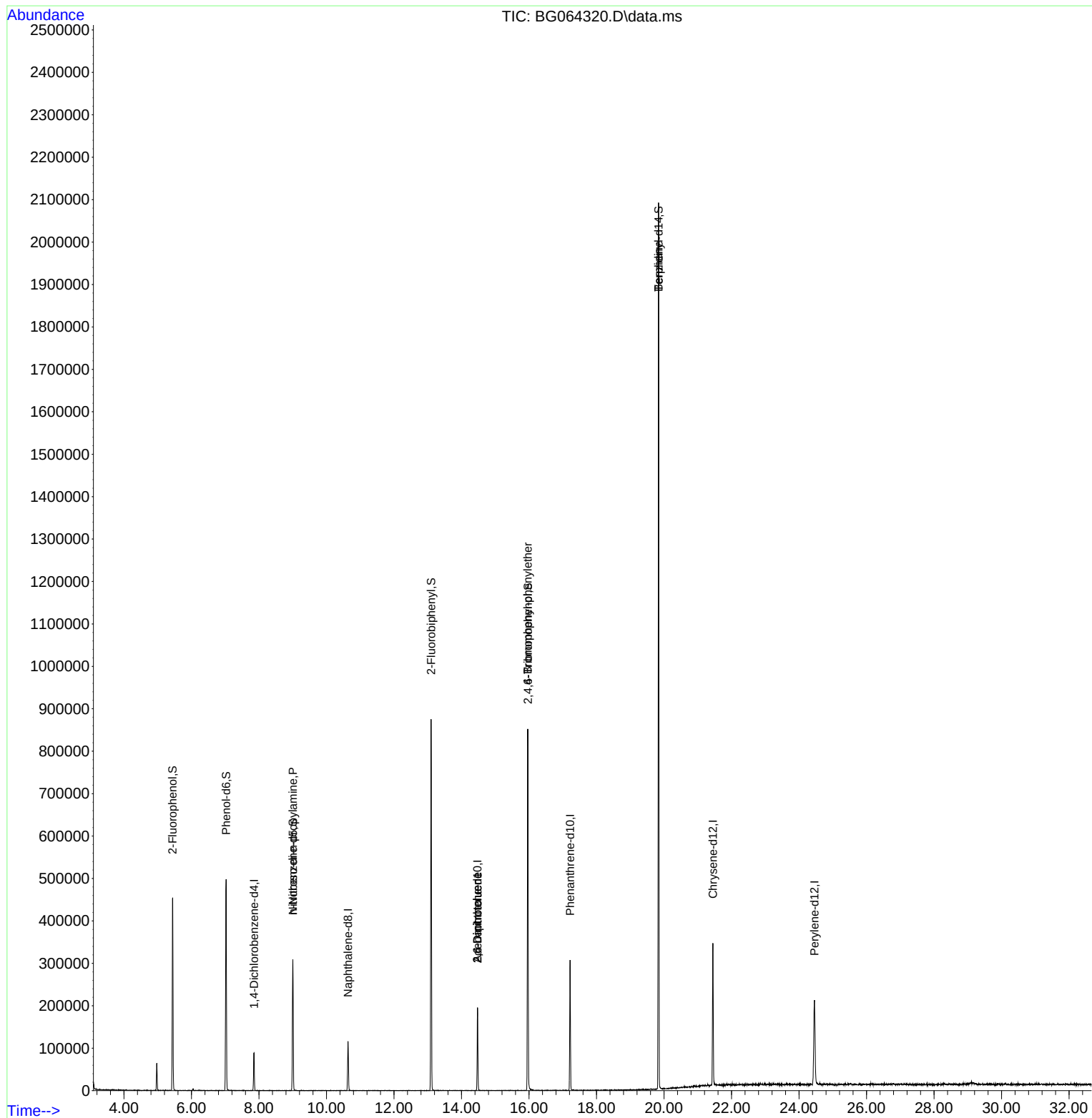
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	21166	20.000	ng	0.00
21) Naphthalene-d8	10.637	136	91438	20.000	ng	#-0.01
39) Acenaphthene-d10	14.474	164	69274	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	182414	20.000	ng	# 0.00
76) Chrysene-d12	21.448	240	197857	20.000	ng	# 0.00
86) Perylene-d12	24.456	264	217511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.437	112	167776	142.212	ng	0.00
7) Phenol-d6	7.024	99	226705	139.873	ng	0.00
23) Nitrobenzene-d5	9.004	82	163289	99.594	ng	-0.01
42) 2,4,6-Tribromophenol	15.966	330	163427	178.109	ng	0.00
45) 2-Fluorobiphenyl	13.099	172	435328	95.918	ng	-0.01
79) Terphenyl-d14	19.838	244	942651	99.400	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.004	70	23641	19.059	ng	# 75
51) 2,6-Dinitrotoluene	14.474	165	9945	9.797	ng	# 14
57) 2,4-Dinitrotoluene	14.474	165	9945	6.479	ng	# 17
67) 4-Bromophenyl-phenylether	15.960	248	11268	5.816	ng	# 1
77) Benzidine	19.838	184	18648	4.480	ng	99

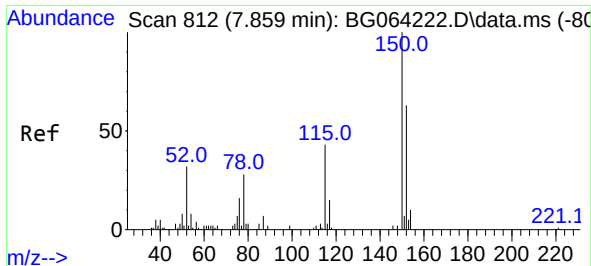
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090925\
Data File : BG064320.D
Acq On : 9 Sep 2025 12:19
Operator : RC/JU
Sample : PB169604BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 09 12:57:01 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

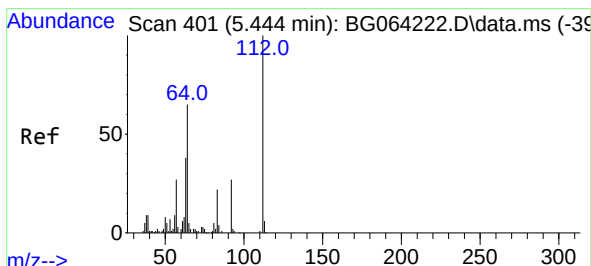
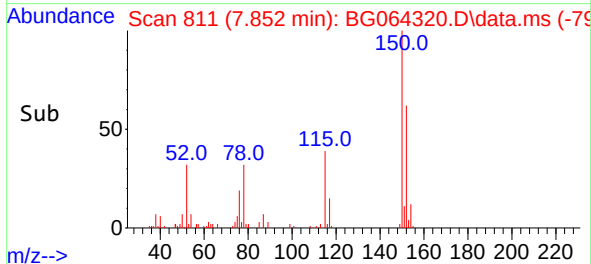
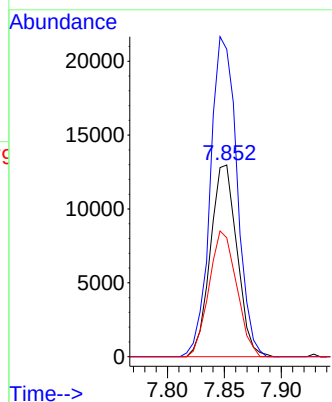
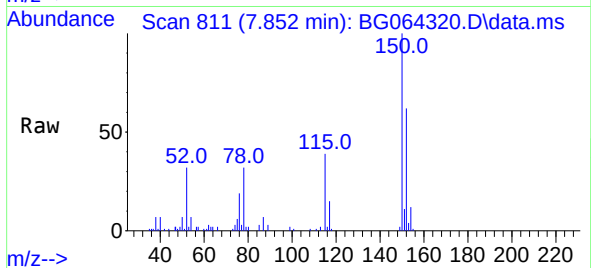




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 812
Delta R.T. -0.007 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

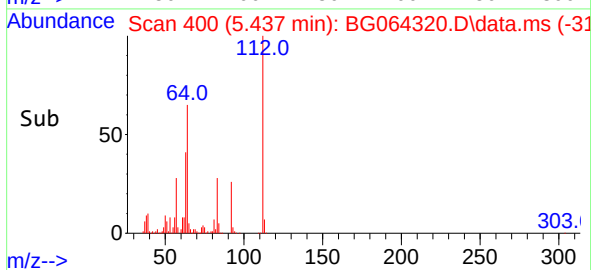
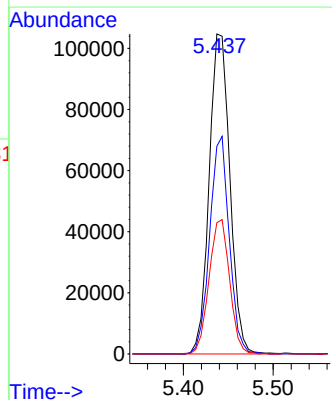
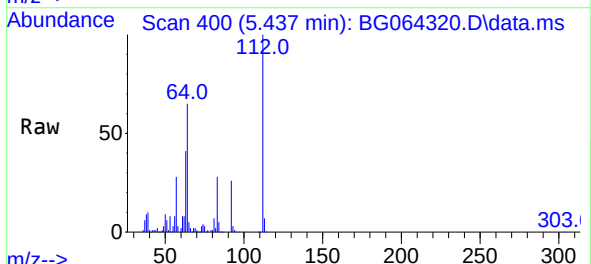
Instrument :
BNA_G
ClientSampleId :

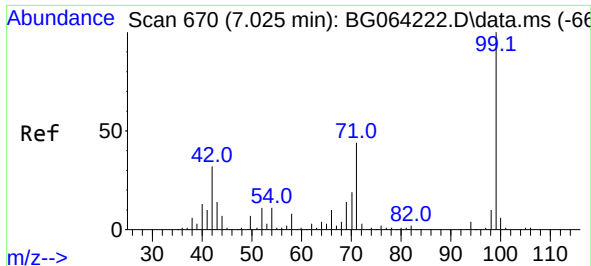
Tgt Ion:152 Resp: 21166
Ion Ratio Lower Upper
152 100
150 160.3 128.0 192.0
115 62.0 55.7 83.5



#5
2-Fluorophenol
Concen: 142.212 ng
RT: 5.437 min Scan# 400
Delta R.T. -0.007 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

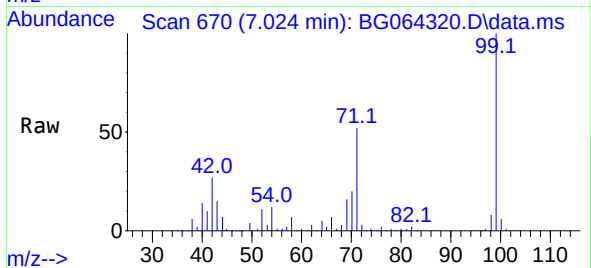
Tgt Ion:112 Resp: 167776
Ion Ratio Lower Upper
112 100
64 64.9 51.8 77.6
63 41.0 30.6 45.8



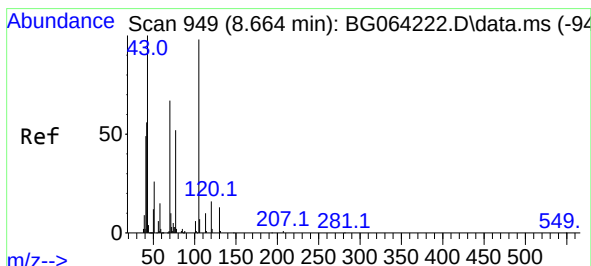
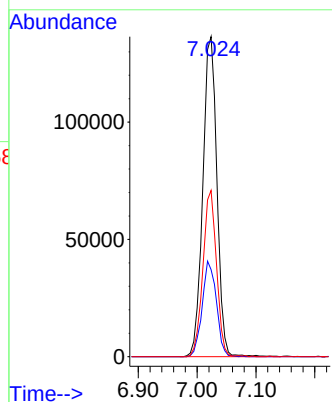
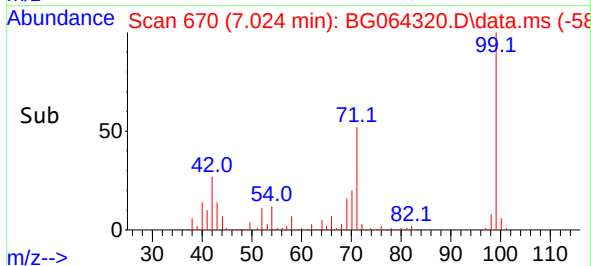


#7
Phenol-d6
Concen: 139.873 ng
RT: 7.024 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

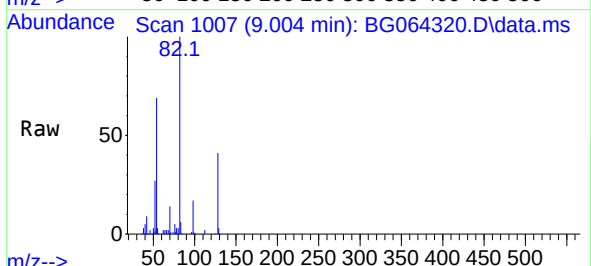
Instrument :
BNA_G
ClientSampleId :



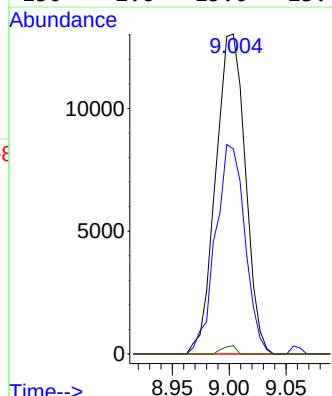
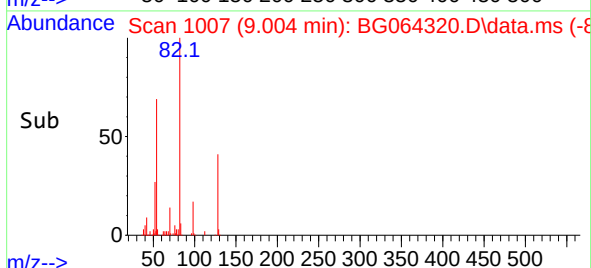
Tgt Ion: 99 Resp: 226705
Ion Ratio Lower Upper
99 100
42 27.2 25.8 38.8
71 51.9 35.2 52.8

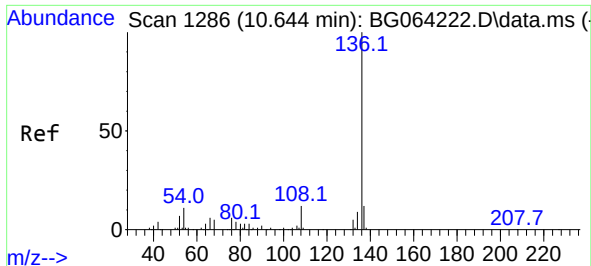


#19
n-Nitroso-di-n-propylamine
Concen: 19.059 ng
RT: 9.004 min Scan# 1007
Delta R.T. 0.340 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19



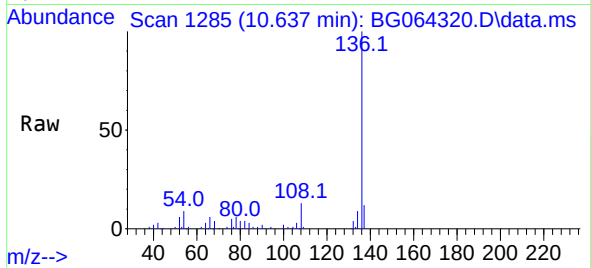
Tgt Ion: 70 Resp: 23641
Ion Ratio Lower Upper
70 100
42 64.1 67.9 101.9#
101 0.0 7.3 10.9#
130 2.6 15.6 23.4#



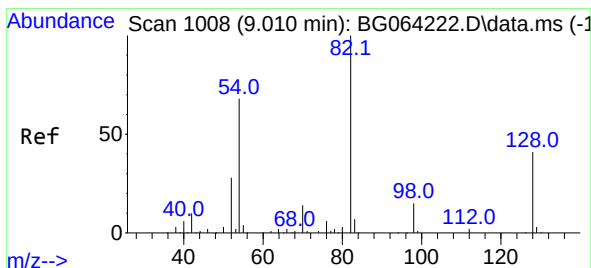
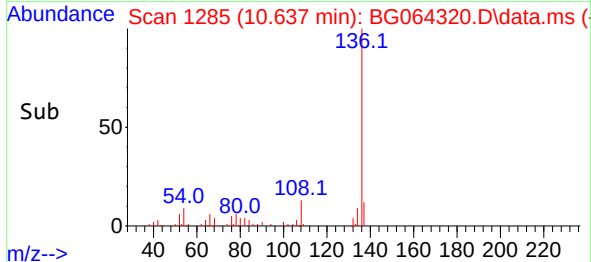
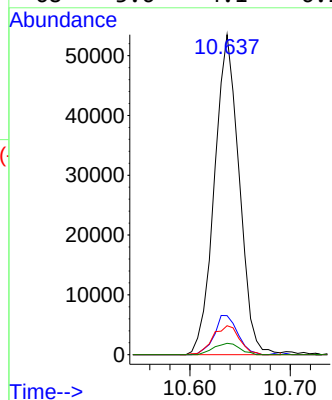


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.637 min Scan# 11
Delta R.T. -0.013 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

Instrument :
BNA_G
ClientSampleId :

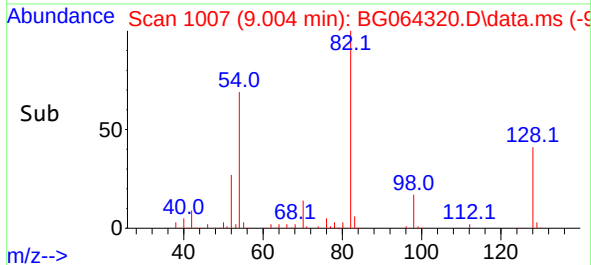
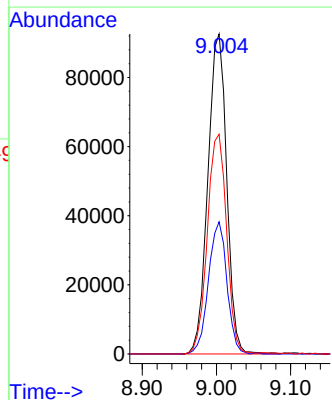
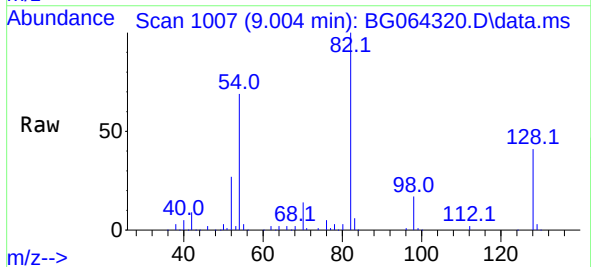


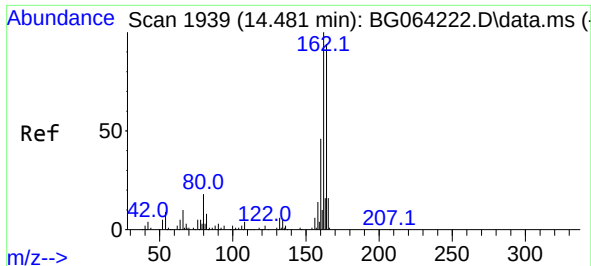
Tgt Ion:136 Resp: 91438
Ion Ratio Lower Upper
136 100
137 12.2 9.6 14.4
54 9.1 8.8 13.2
68 3.6 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 99.594 ng
RT: 9.004 min Scan# 1007
Delta R.T. -0.013 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

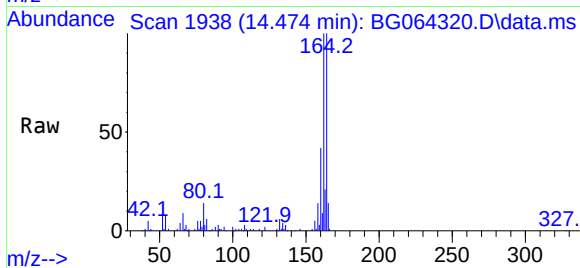
Tgt Ion: 82 Resp: 163289
Ion Ratio Lower Upper
82 100
128 41.3 32.6 48.8
54 68.7 54.7 82.1





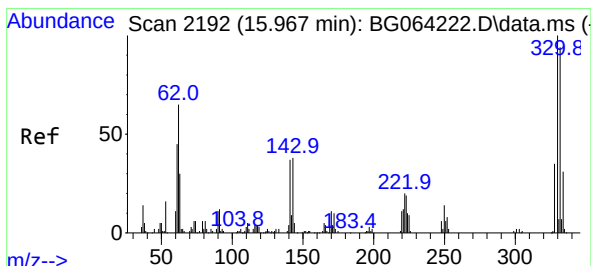
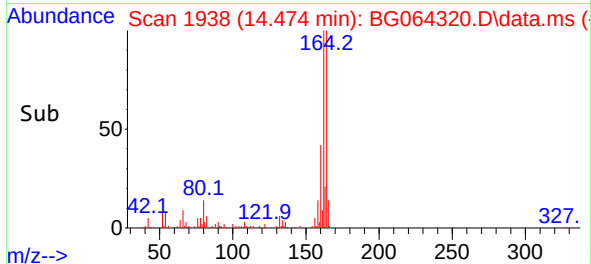
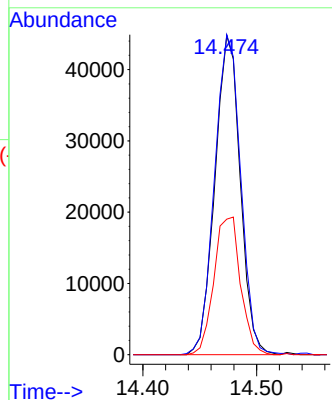
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1938
Delta R.T. -0.007 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:164 Resp: 69274

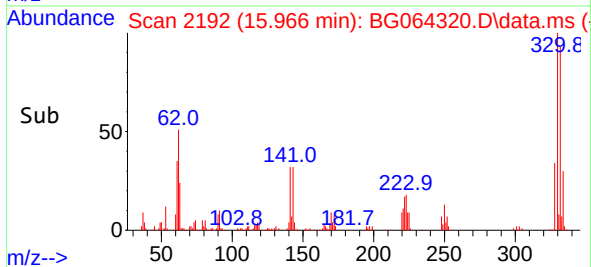
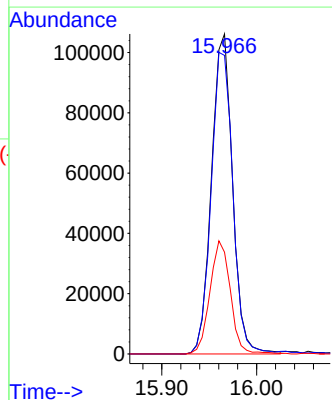
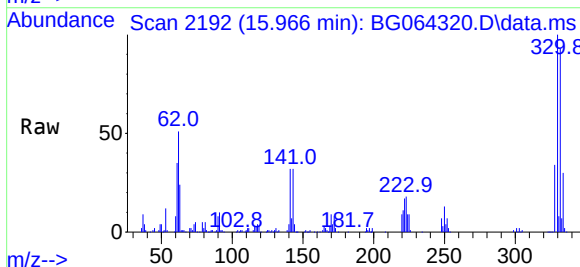
Ion	Ratio	Lower	Upper
164	100		
162	100.3	85.4	128.0
160	42.5	39.2	58.8

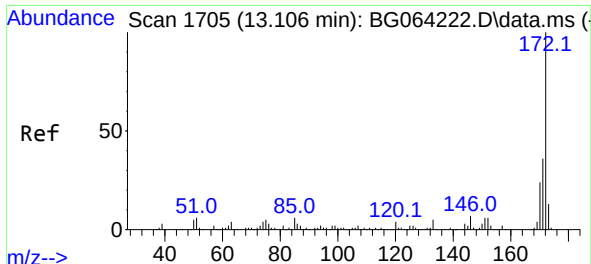


#42
2,4,6-Tribromophenol
Concen: 178.109 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

Tgt Ion:330 Resp: 163427

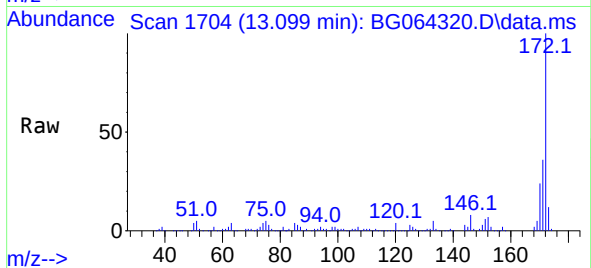
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.6	116.4
141	34.5	29.8	44.6



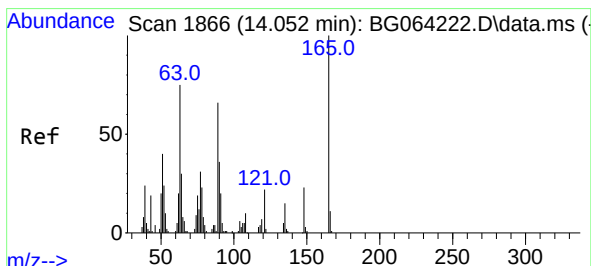
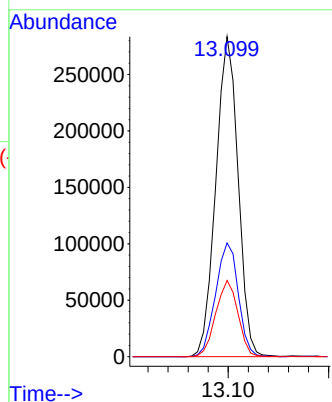
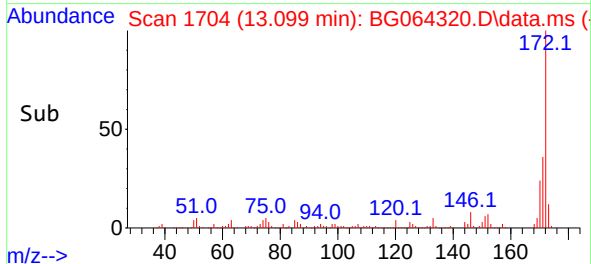


#45
2-Fluorobiphenyl
Concen: 95.918 ng
RT: 13.099 min Scan# 11
Delta R.T. -0.013 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

Instrument :
BNA_G
ClientSampleId :

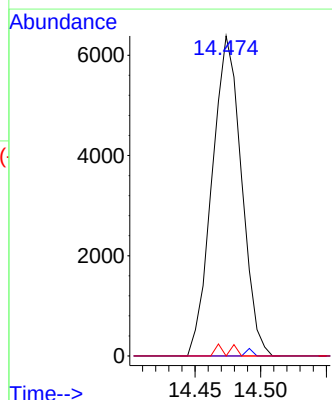
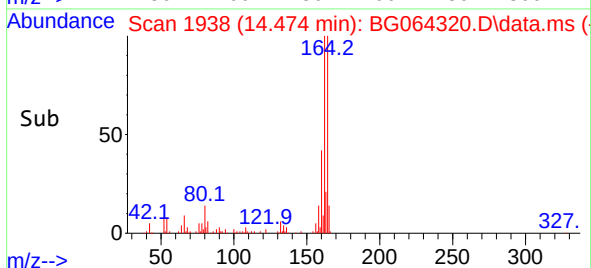
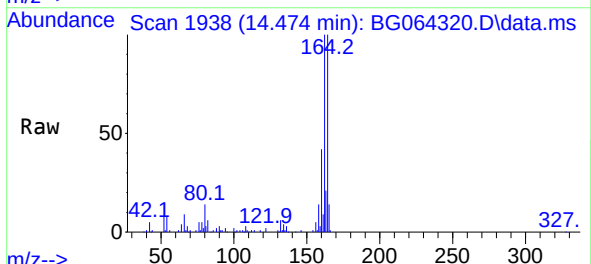


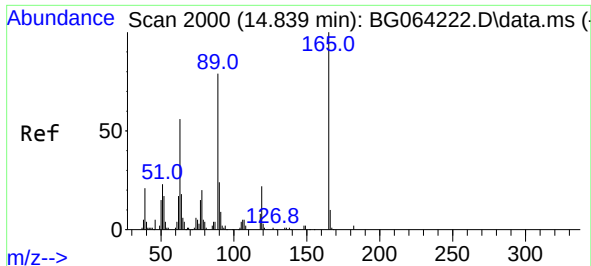
Tgt Ion:172 Resp: 435328
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.8 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.797 ng
RT: 14.474 min Scan# 1938
Delta R.T. 0.416 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

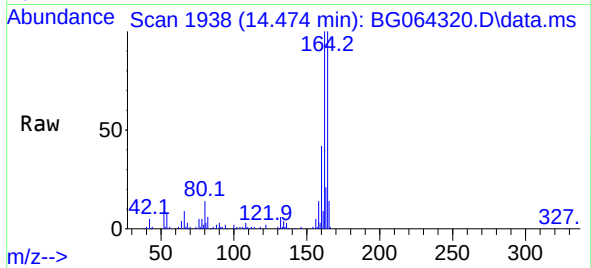
Tgt Ion:165 Resp: 9945
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#



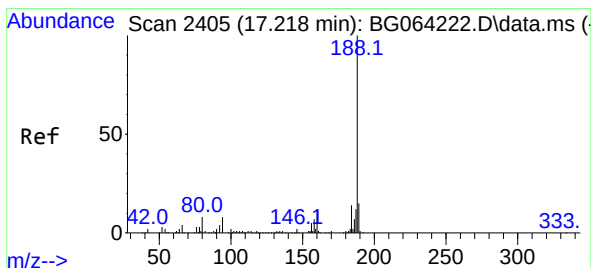
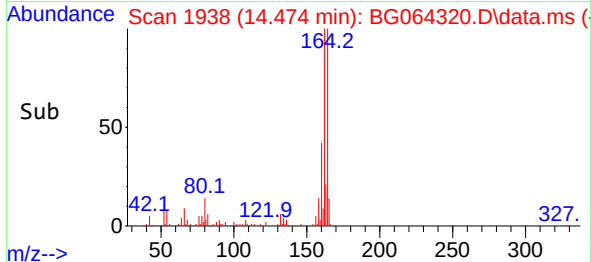
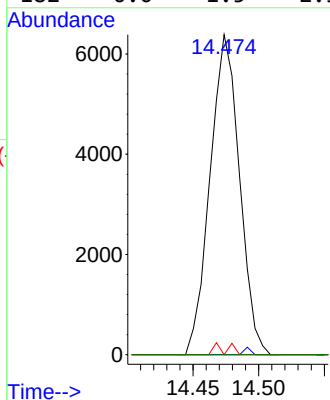


#57
2,4-Dinitrotoluene
Concen: 6.479 ng
RT: 14.474 min Scan# 1938
Delta R.T. -0.371 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

Instrument :
BNA_G
ClientSampleId :

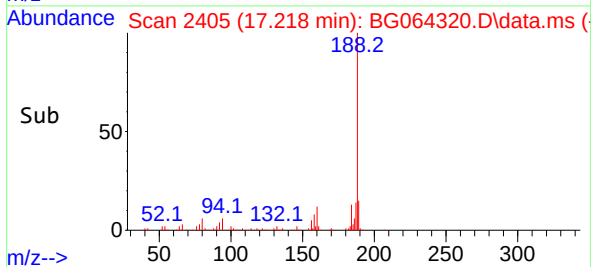
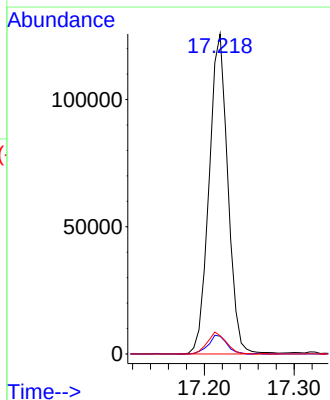
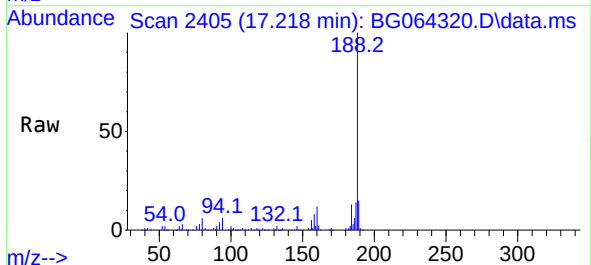


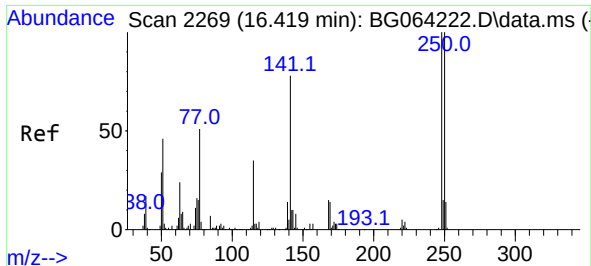
Tgt Ion:165 Resp: 9945
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 2405
Delta R.T. -0.007 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

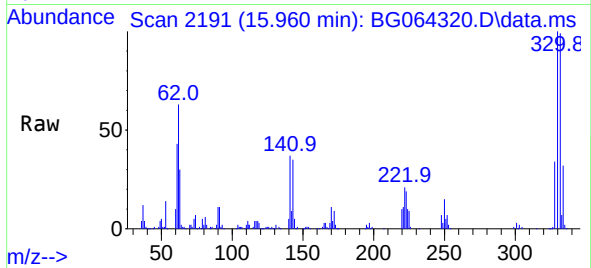
Tgt Ion:188 Resp: 182414
Ion Ratio Lower Upper
188 100
94 5.6 6.2 9.4#
80 5.7 6.8 10.2#



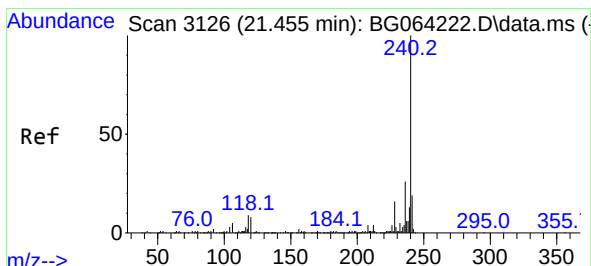
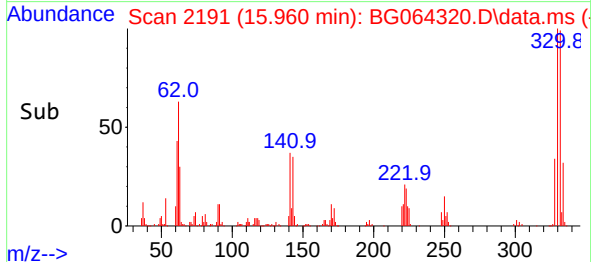
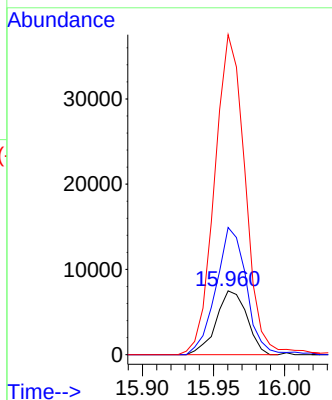


#67
4-Bromophenyl-phenylether
Concen: 5.816 ng
RT: 15.960 min Scan# 2119
Delta R.T. -0.459 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

Instrument :
BNA_G
ClientSampleId :

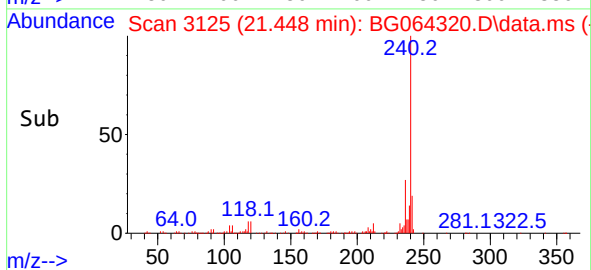
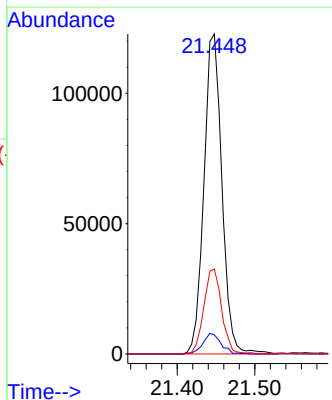
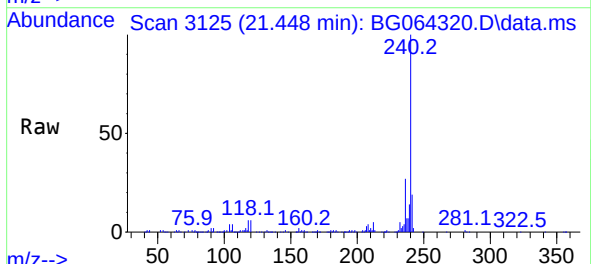


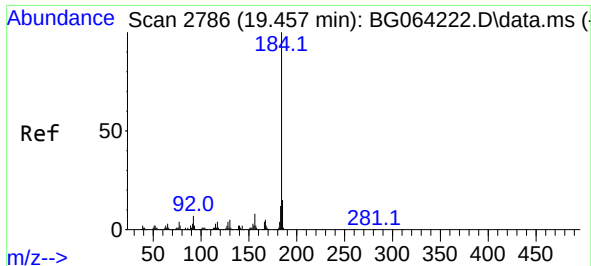
Tgt Ion:248 Resp: 11268
Ion Ratio Lower Upper
248 100
250 199.5 80.2 120.4#
141 501.6 62.4 93.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.007 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

Tgt Ion:240 Resp: 197857
Ion Ratio Lower Upper
240 100
120 5.9 6.2 9.4#
236 26.5 20.5 30.7

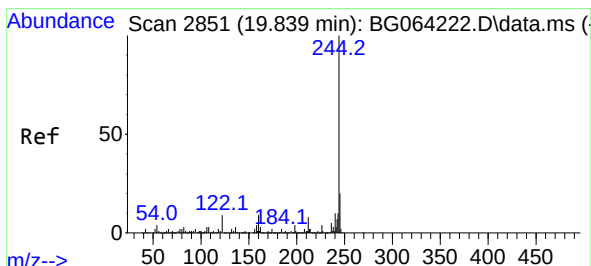
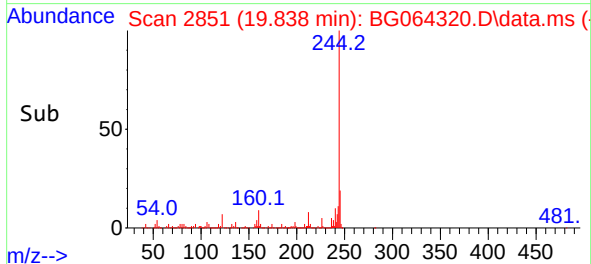
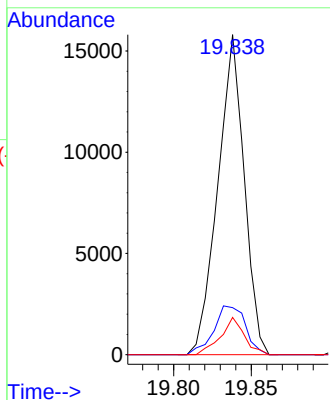
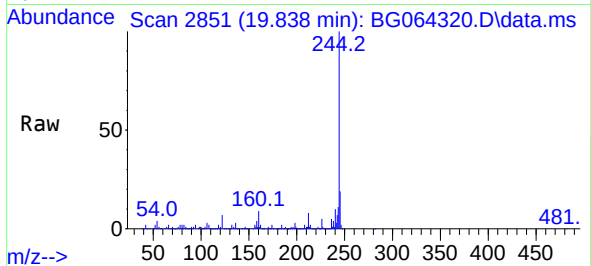




#77
Benzidine
Concen: 4.480 ng
RT: 19.838 min Scan# 2851
Delta R.T. 0.381 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

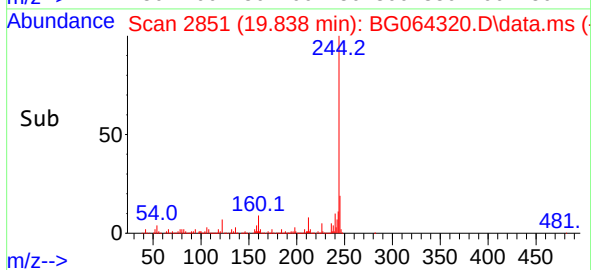
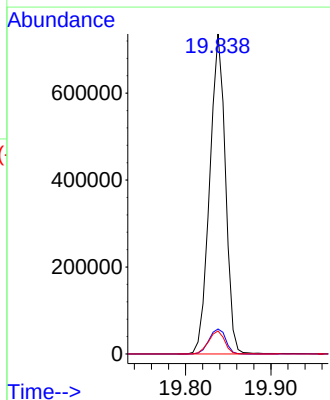
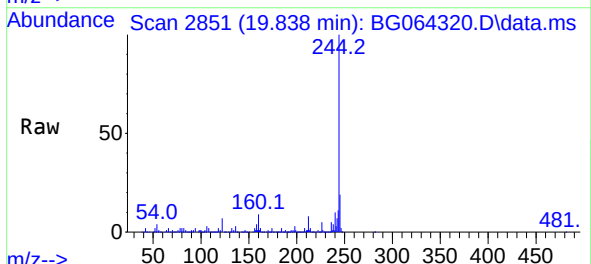
Instrument :
BNA_G
ClientSampleId :

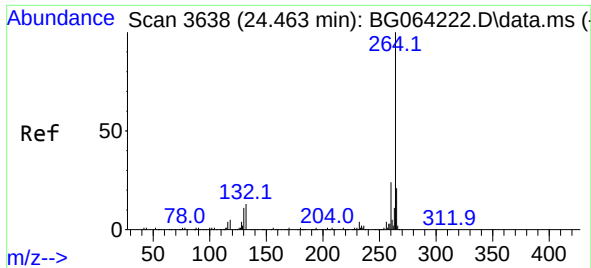
Tgt Ion:184 Resp: 18648
Ion Ratio Lower Upper
184 100
185 14.7 11.7 17.5
183 11.7 9.7 14.5



#79
Terphenyl-d14
Concen: 99.400 ng
RT: 19.838 min Scan# 2851
Delta R.T. -0.007 min
Lab File: BG064320.D
Acq: 9 Sep 2025 12:19

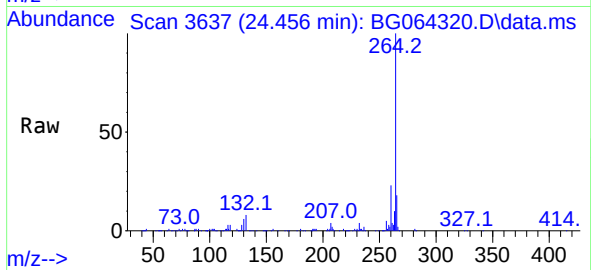
Tgt Ion:244 Resp: 942651
Ion Ratio Lower Upper
244 100
212 7.8 6.6 10.0
122 7.2 7.0 10.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.456 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BG064320.D
 Acq: 9 Sep 2025 12:19

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 217511

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	18.4	16.7	25.1

