

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
 Data File : BG064100.D
 Acq On : 11 Mar 2025 17:59
 Operator : RC/JU
 Sample : Q1523-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-A2-02-C

Quant Time: Mar 12 01:40:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

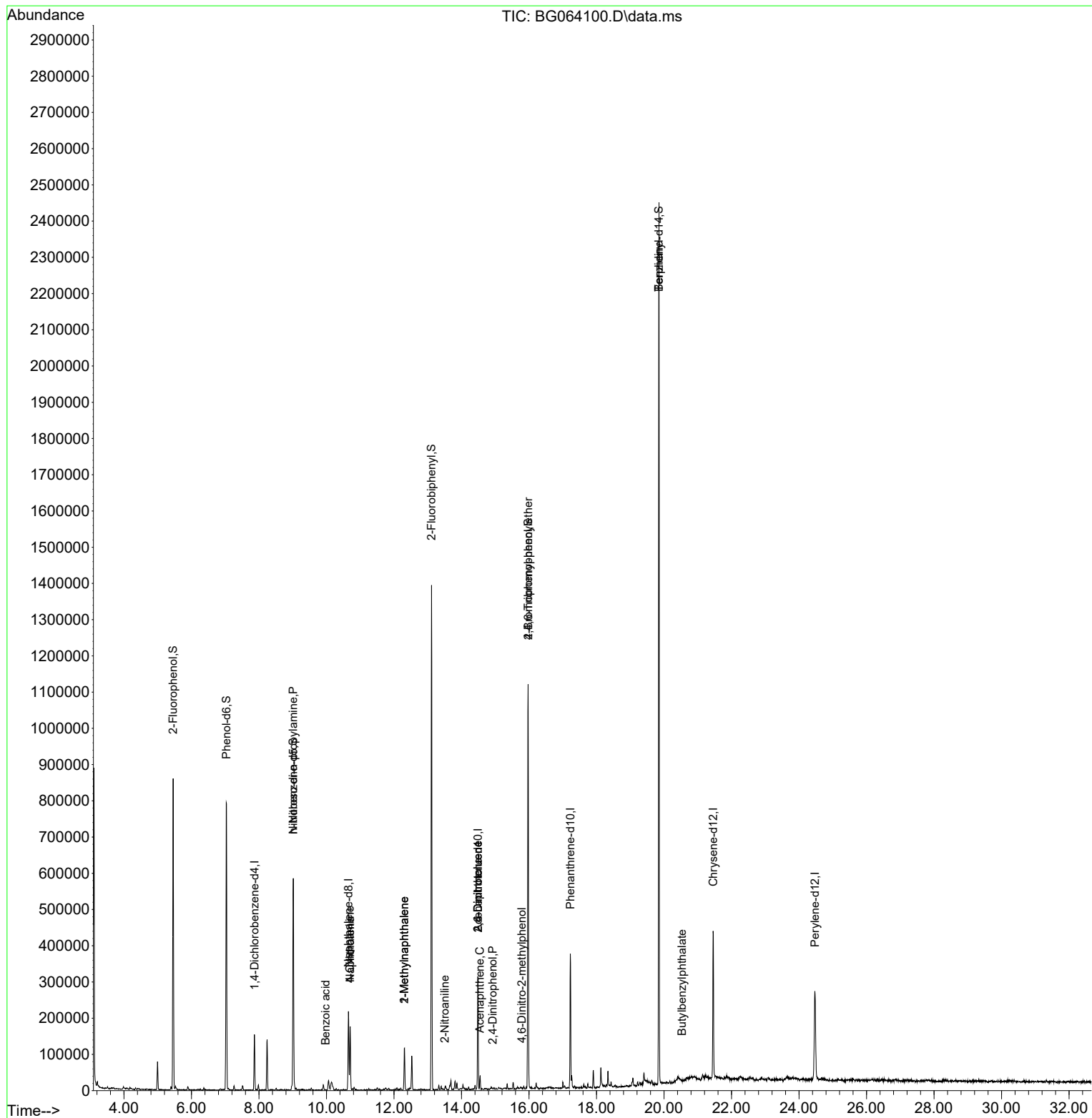
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	37349	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	156052	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	103773	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	216840	20.000	ng	0.00
76) Chrysene-d12	21.455	240	225564	20.000	ng	0.00
86) Perylene-d12	24.469	264	244851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	311767	130.340	ng	0.00
7) Phenol-d6	7.036	99	379747	116.702	ng	0.00
23) Nitrobenzene-d5	9.016	82	311873	110.442	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	183855	159.387	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	644323	94.245	ng	0.00
79) Terphenyl-d14	19.851	244	1092452	97.929	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.016	70	43200	18.917	ng	# 77
31) Naphthalene	10.703	128	134959	16.038	ng	97
32) Benzoic acid	9.974	122	148	8.767	ng	# 33
33) 4-Chloroaniline	10.697	127	17389	5.654	ng	# 28
37) 2-Methylnaphthalene	12.307	142	51251	8.627	ng	97
38) 1-Methylnaphthalene	12.307	142	51251	8.806	ng	97
48) 2-Nitroaniline	13.505	65	187	3.319	ng	# 11
51) 2,6-Dinitrotoluene	14.486	165	13871	11.659	ng	# 20
52) Acenaphthene	14.545	154	12450	2.051	ng	90
54) 2,4-Dinitrophenol	14.927	184	65	7.972	ng	# 15
57) 2,4-Dinitrotoluene	14.486	165	13871	9.623	ng	# 21
65) 4,6-Dinitro-2-methylph...	15.785	198	63	8.235	ng	# 23
67) 4-Bromophenyl-phenylether	15.973	248	12787	5.758	ng	# 1
77) Benzidine	19.851	184	21768	6.969	ng	# 85
80) Butylbenzylphthalate	20.532	149	265	3.682	ng	# 91

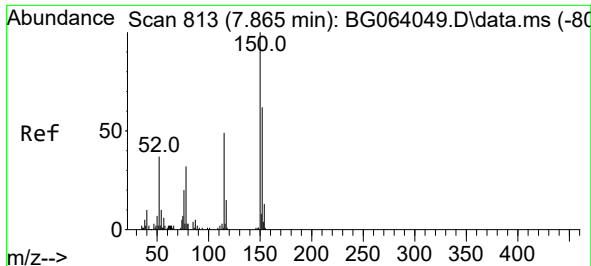
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
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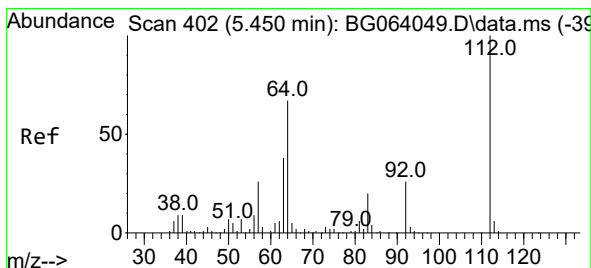
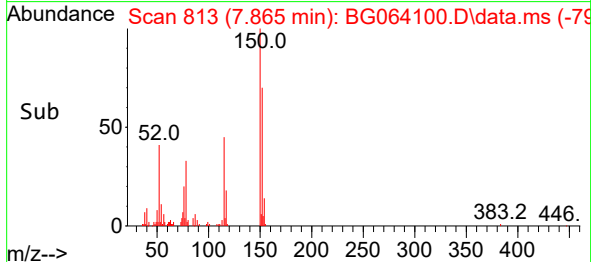
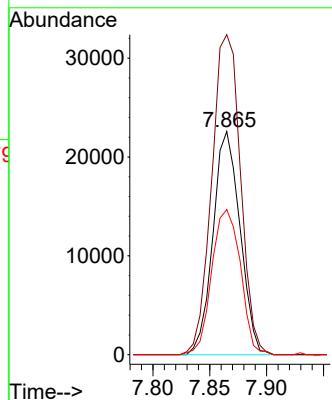
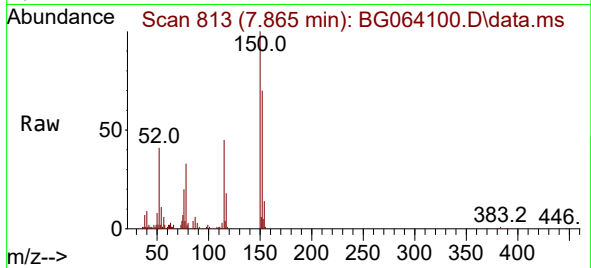




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 813
Delta R.T. -0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

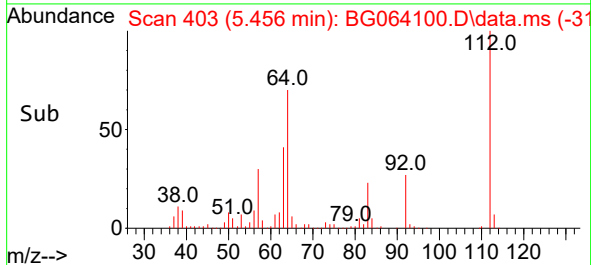
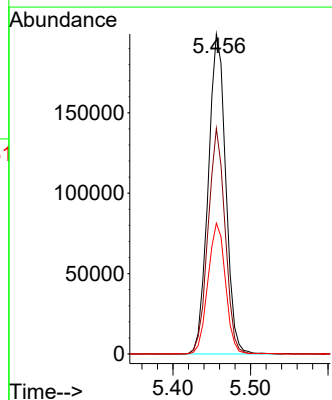
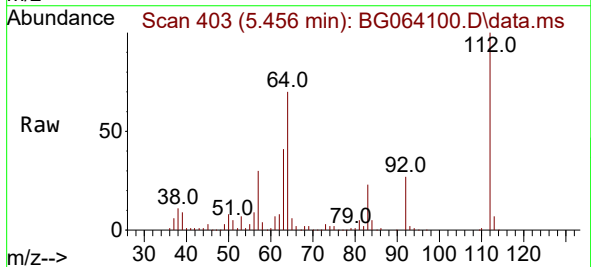
Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

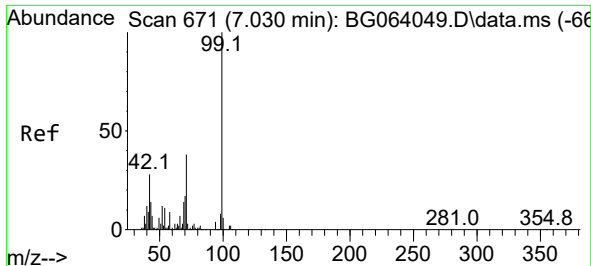
Tgt Ion:152 Resp: 37349
Ion Ratio Lower Upper
152 100
150 143.4 129.2 193.8
115 65.0 63.0 94.6



#5
2-Fluorophenol
Concen: 130.340 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:112 Resp: 311767
Ion Ratio Lower Upper
112 100
64 70.5 53.7 80.5
63 40.9 30.2 45.4

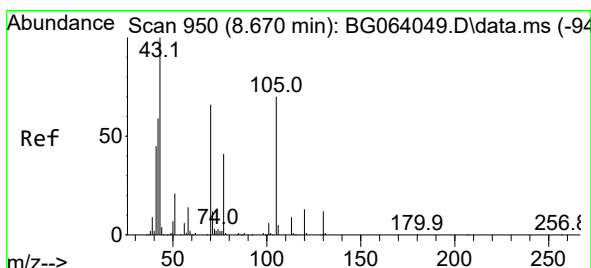
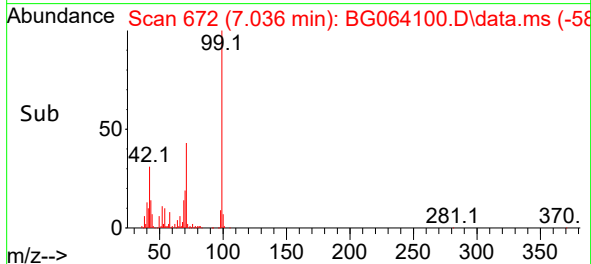
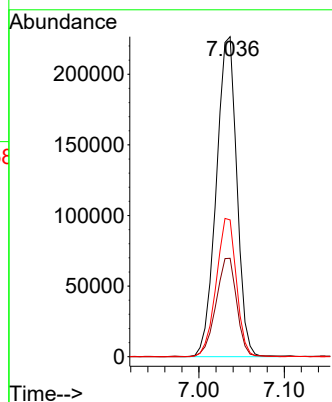
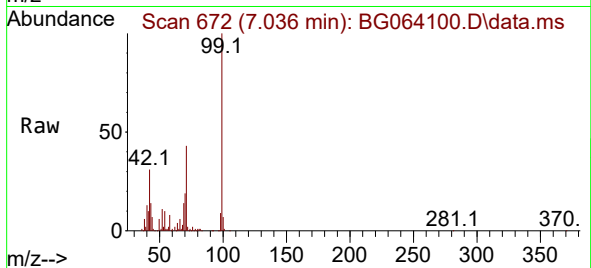




#7
Phenol-d6
Concen: 116.702 ng
RT: 7.036 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

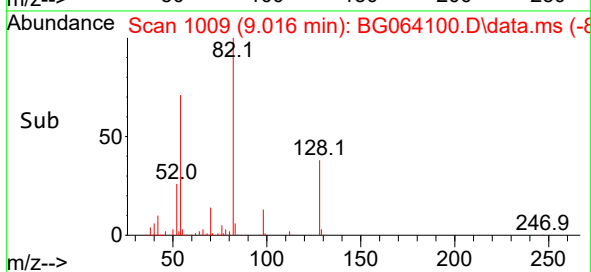
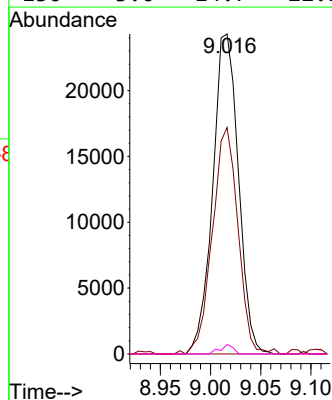
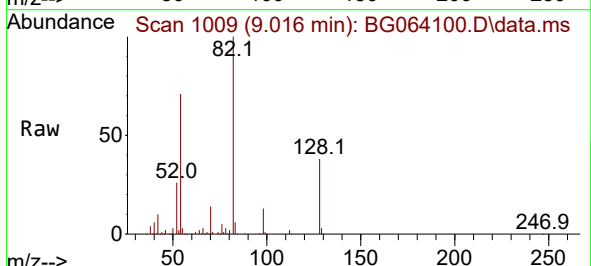
Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

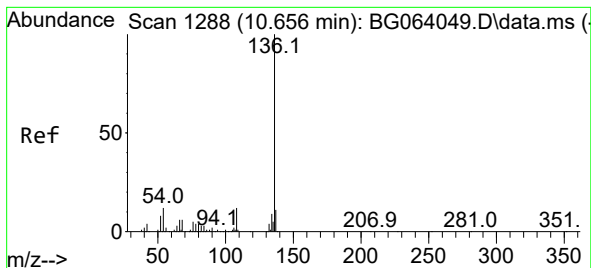
Tgt Ion: 99 Resp: 379747
Ion Ratio Lower Upper
99 100
42 30.8 22.7 34.1
71 42.8 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.917 ng
RT: 9.016 min Scan# 1009
Delta R.T. 0.347 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion: 70 Resp: 43200
Ion Ratio Lower Upper
70 100
42 70.8 72.1 108.1#
101 0.0 7.2 10.8#
130 3.0 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.650 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG064100.D

Acq: 11 Mar 2025 17:59

Instrument :

BNA_G

ClientSampleId :

WC-A2-02-C

Tgt Ion:136 Resp: 156052

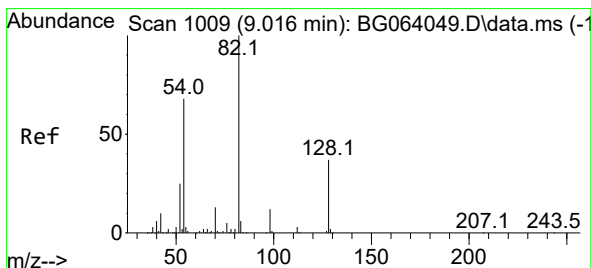
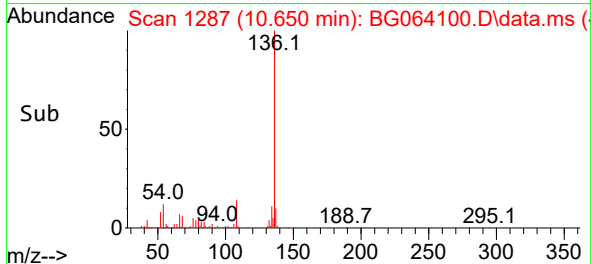
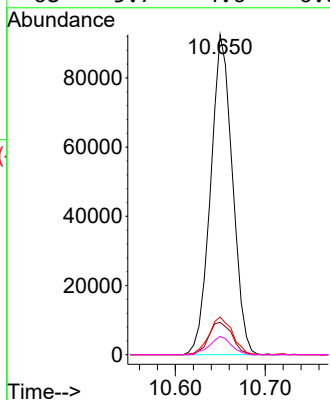
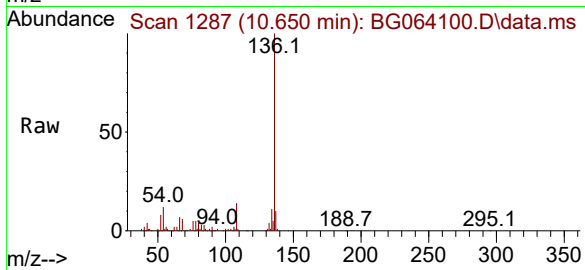
Ion Ratio Lower Upper

136 100

137 10.1 8.5 12.7

54 11.8 9.9 14.9

68 5.7 4.6 6.8



#23

Nitrobenzene-d5

Concen: 110.442 ng

RT: 9.016 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BG064100.D

Acq: 11 Mar 2025 17:59

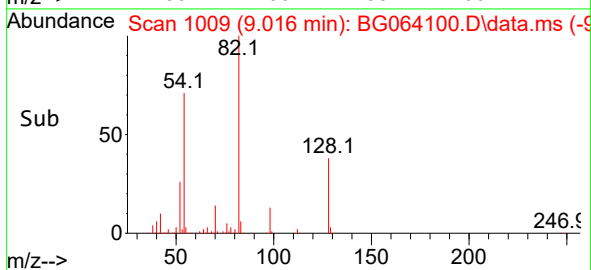
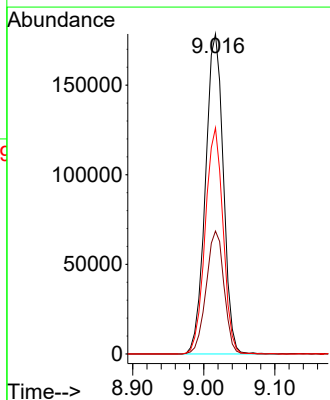
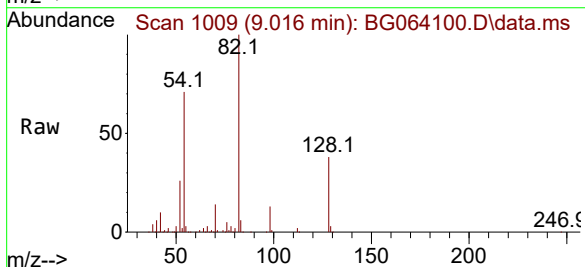
Tgt Ion: 82 Resp: 311873

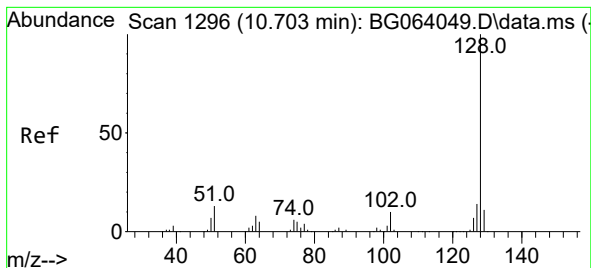
Ion Ratio Lower Upper

82 100

128 38.4 30.0 45.0

54 70.7 54.7 82.1





#31

Naphthalene

Concen: 16.038 ng

RT: 10.703 min Scan# 1296

Delta R.T. 0.000 min

Lab File: BG064100.D

Acq: 11 Mar 2025 17:59

Instrument :

BNA_G

ClientSampleId :

WC-A2-02-C

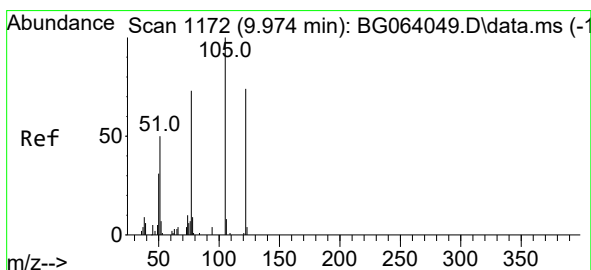
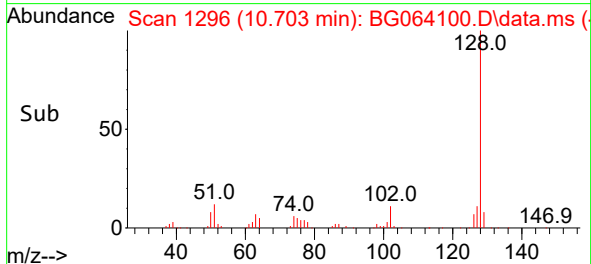
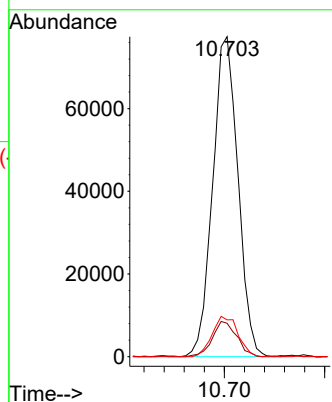
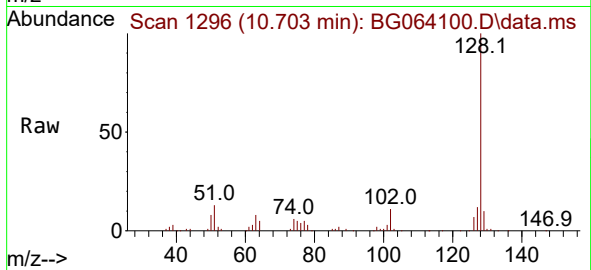
Tgt Ion:128 Resp: 134959

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

127 11.5 11.1 16.7



#32

Benzoic acid

Concen: 8.767 ng

RT: 9.974 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BG064100.D

Acq: 11 Mar 2025 17:59

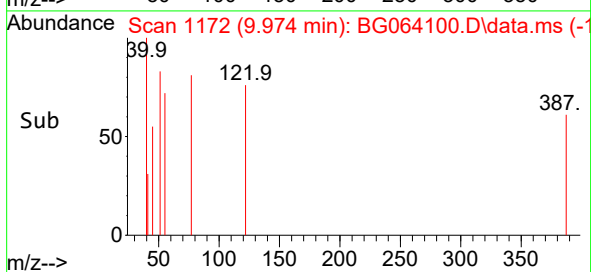
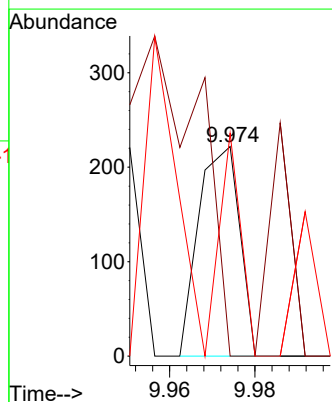
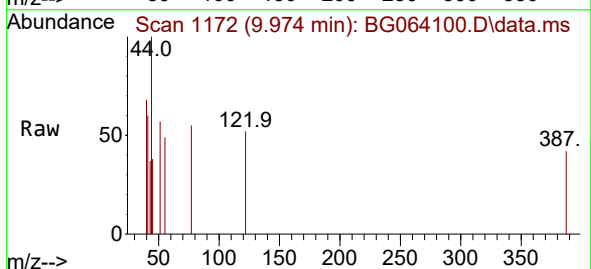
Tgt Ion:122 Resp: 148

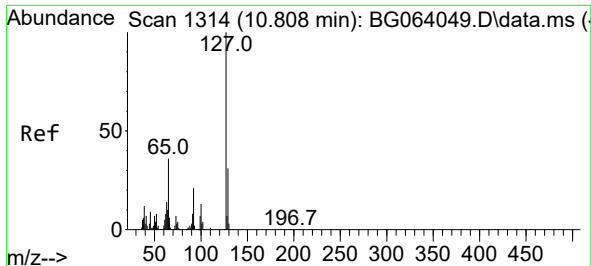
Ion Ratio Lower Upper

122 100

105 0.0 115.0 155.0#

77 106.3 80.9 120.9

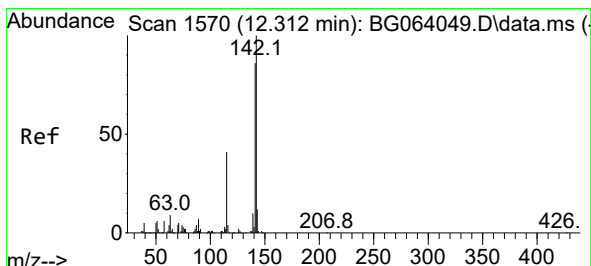
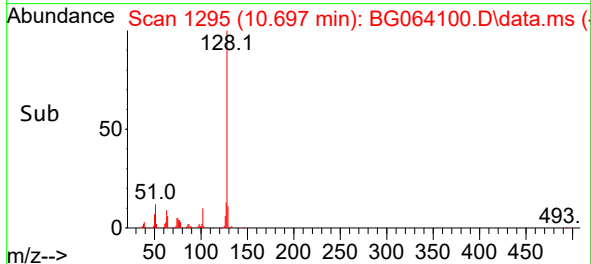
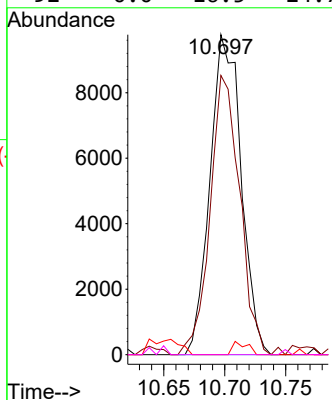
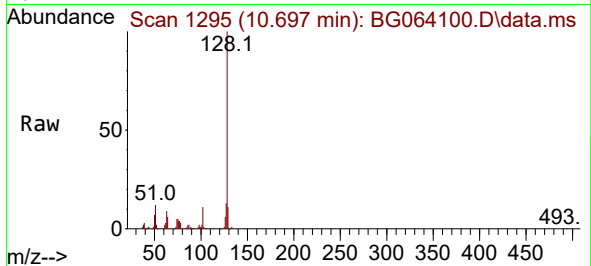




#33
4-Chloroaniline
Concen: 5.654 ng
RT: 10.697 min Scan# 11
Delta R.T. -0.111 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

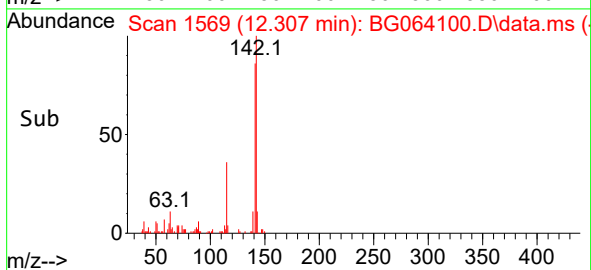
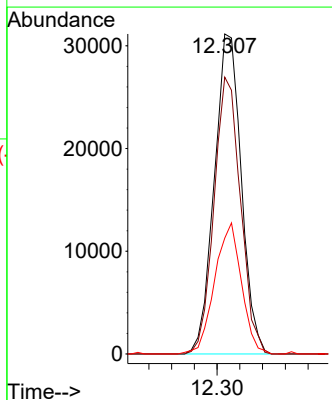
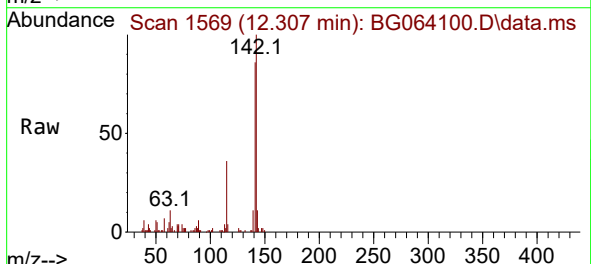
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ClientSampleId :
WC-A2-02-C

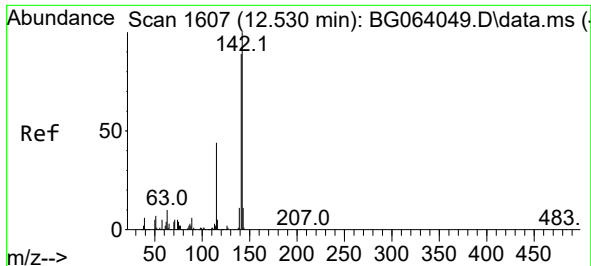
Tgt Ion:	127	Resp:	17389
Ion	Ratio	Lower	Upper
127	100		
129	87.3	25.0	37.4#
65	0.0	28.5	42.7#
92	0.0	16.5	24.7#



#37
2-Methylnaphthalene
Concen: 8.627 ng
RT: 12.307 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:	142	Resp:	51251
Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.6	103.0
115	36.2	32.8	49.2

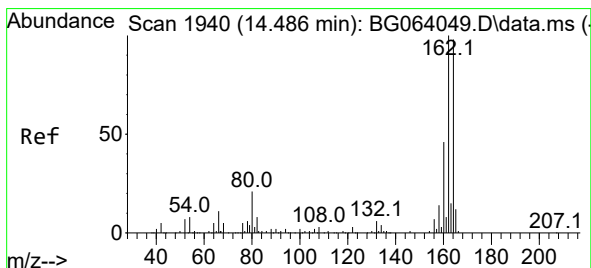
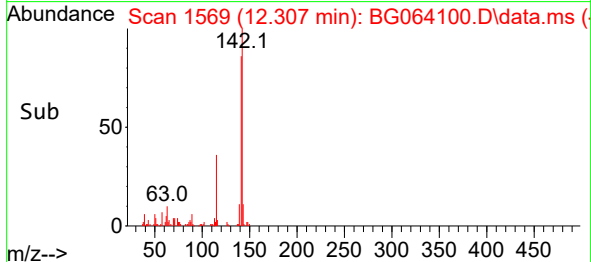
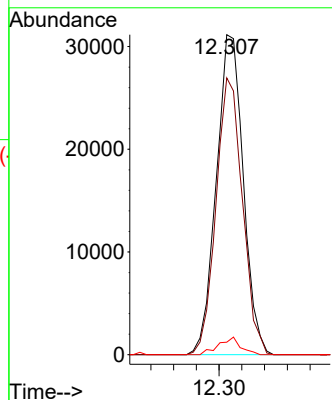
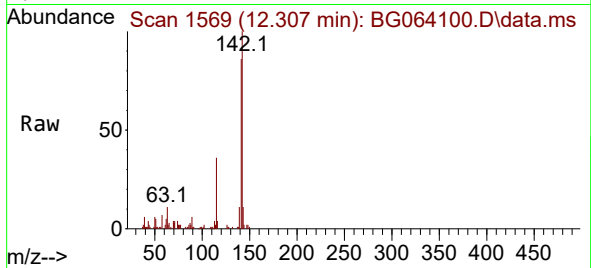




#38
1-Methylnaphthalene
Concen: 8.806 ng
RT: 12.307 min Scan# 1
Delta R.T. -0.223 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

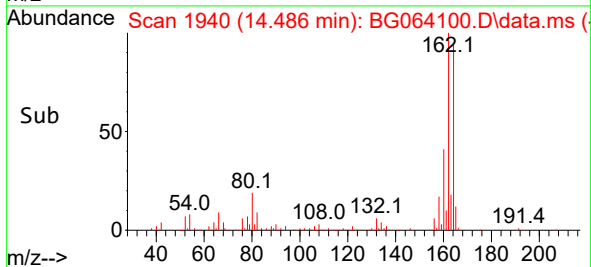
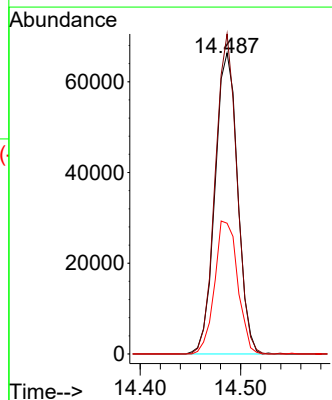
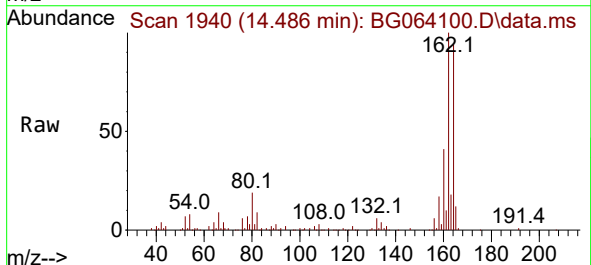
Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

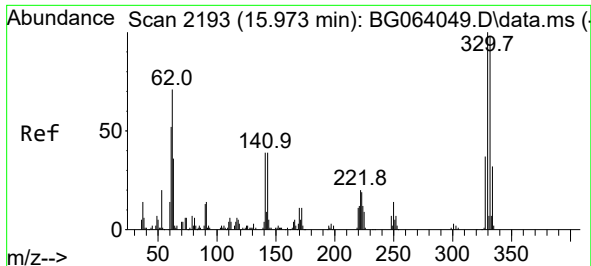
Tgt Ion:142 Resp: 51251
Ion Ratio Lower Upper
142 100
141 86.5 71.2 106.8
116 3.9 3.6 5.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:164 Resp: 103773
Ion Ratio Lower Upper
164 100
162 106.3 81.4 122.0
160 43.4 37.0 55.6

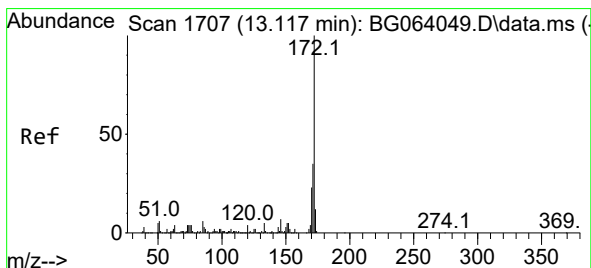
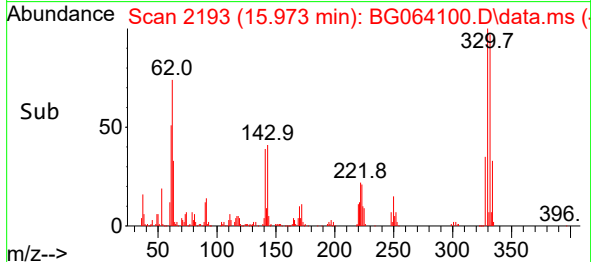
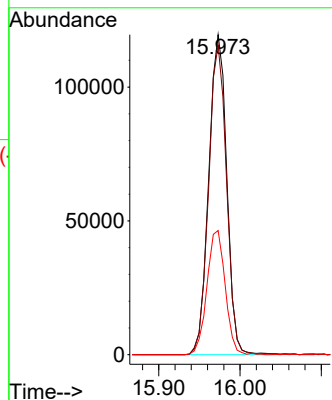
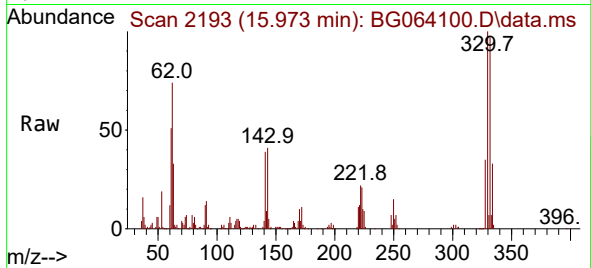




#42
2,4,6-Tribromophenol
Concen: 159.387 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

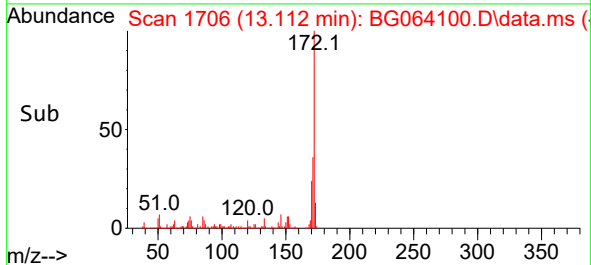
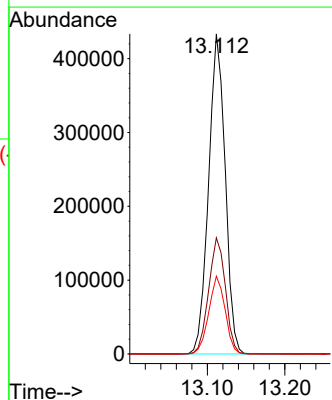
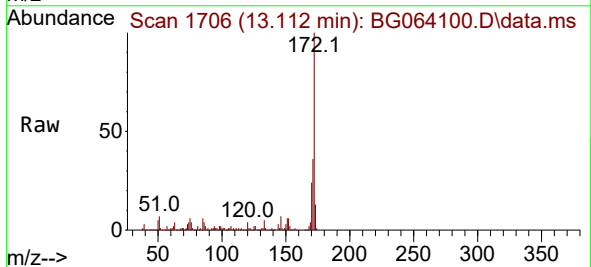
Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

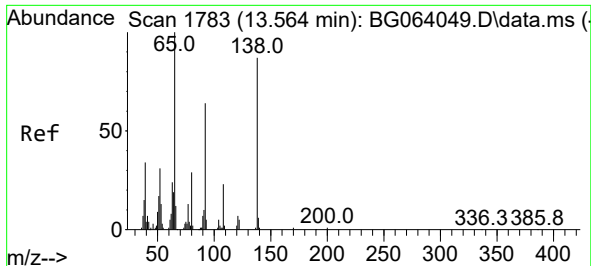
Tgt Ion:330 Resp: 183855
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 39.4 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 94.245 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:172 Resp: 644323
Ion Ratio Lower Upper
172 100
171 36.3 28.0 42.0
170 24.3 18.7 28.1

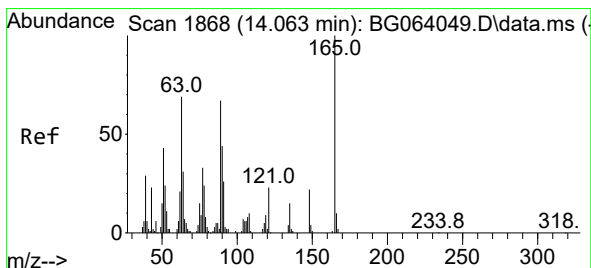
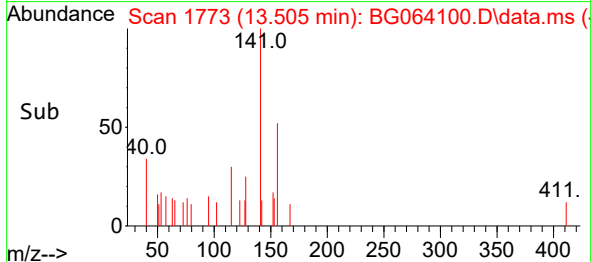
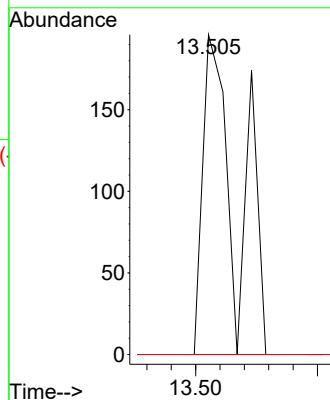
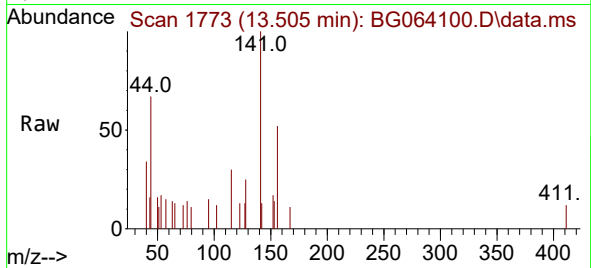




#48
2-Nitroaniline
Concen: 3.319 ng
RT: 13.505 min Scan# 1
Delta R.T. -0.059 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

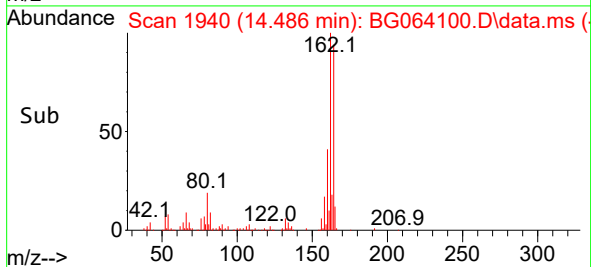
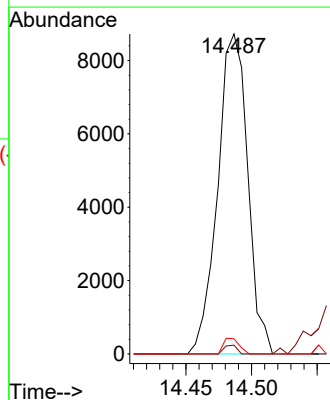
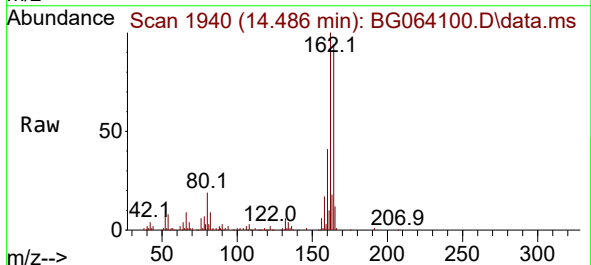
Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

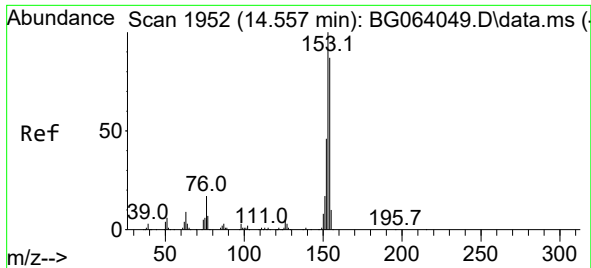
Tgt Ion: 65 Resp: 187
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#



#51
2,6-Dinitrotoluene
Concen: 11.659 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.423 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion: 165 Resp: 13871
Ion Ratio Lower Upper
165 100
63 2.7 56.7 85.1#
89 4.8 53.7 80.5#

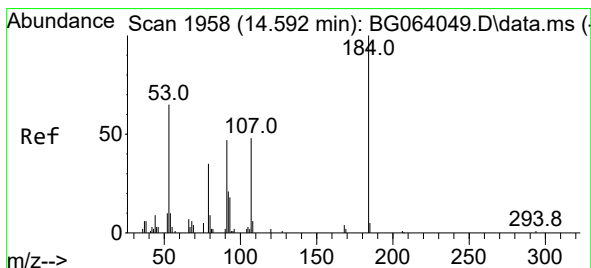
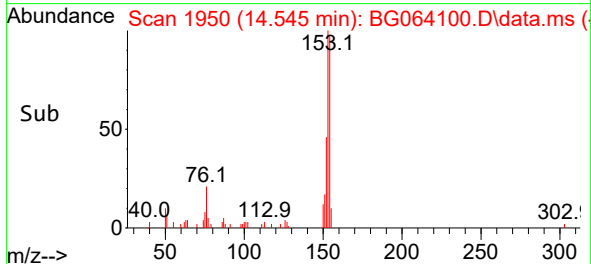
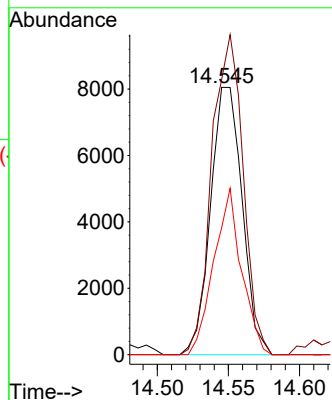
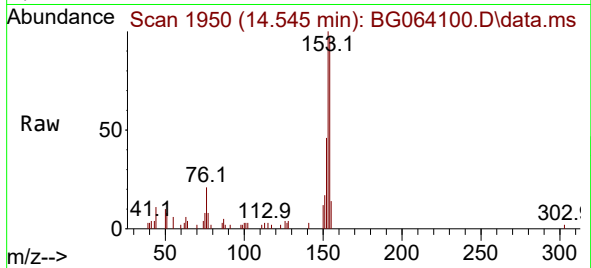




#52
Acenaphthene
Concen: 2.051 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

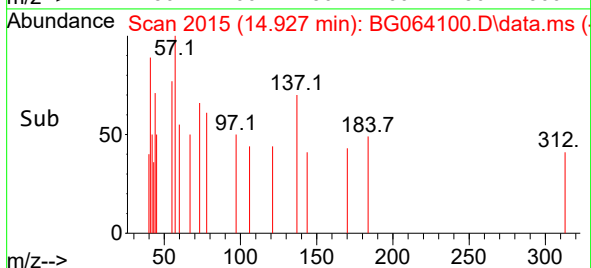
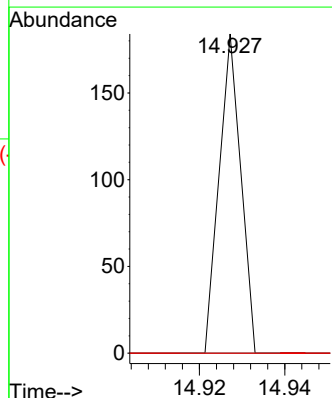
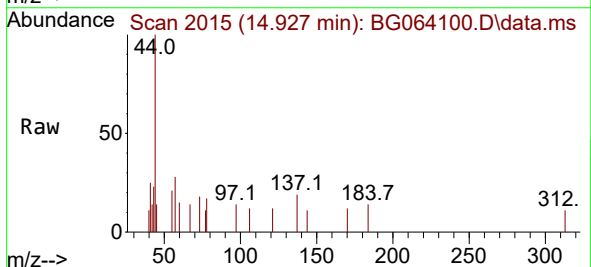
Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

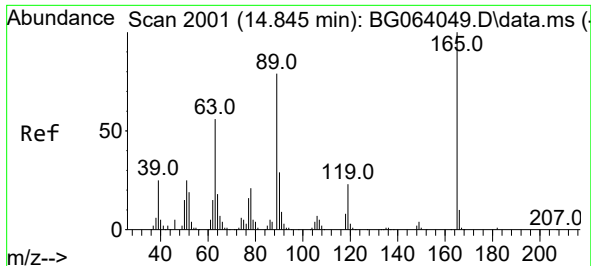
Tgt Ion:154 Resp: 12450
Ion Ratio Lower Upper
154 100
153 102.9 91.6 137.4
152 47.5 42.5 63.7



#54
2,4-Dinitrophenol
Concen: 7.972 ng
RT: 14.927 min Scan# 2015
Delta R.T. 0.335 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

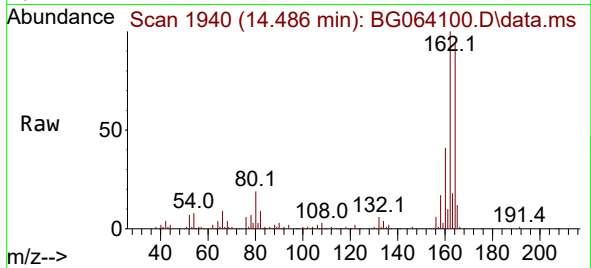
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#



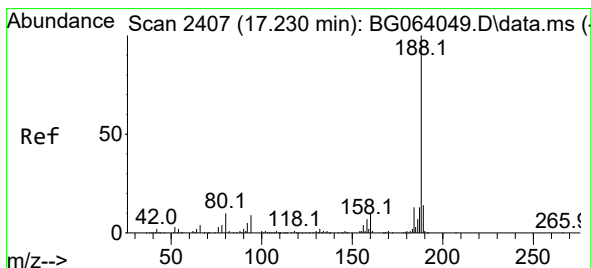
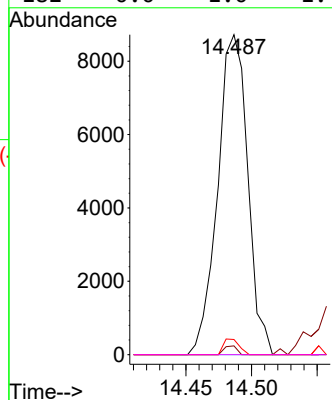
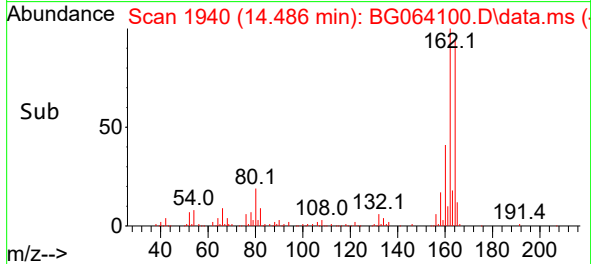


#57
2,4-Dinitrotoluene
Concen: 9.623 ng
RT: 14.486 min Scan# 14
Delta R.T. -0.359 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

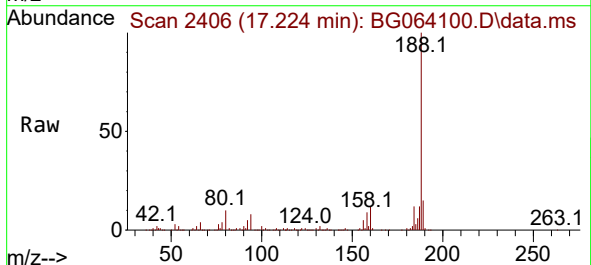
Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C



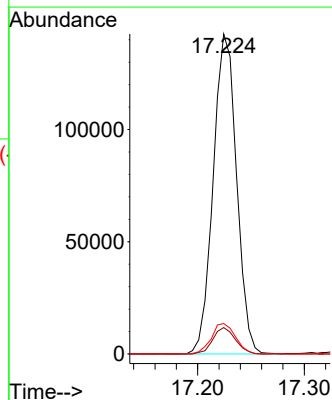
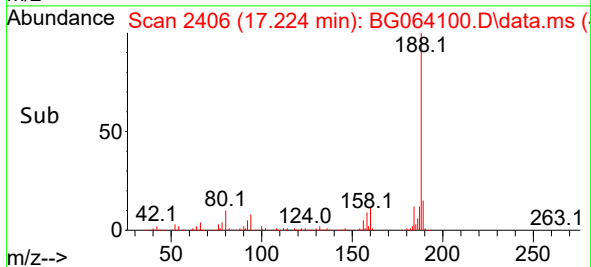
Tgt Ion:165 Resp: 13871
Ion Ratio Lower Upper
165 100
63 2.7 45.0 67.6#
89 4.8 63.1 94.7#
182 0.0 1.0 1.4#

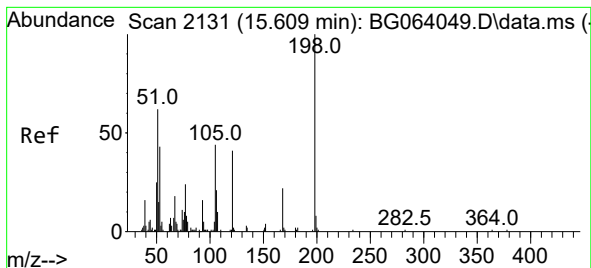


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59



Tgt Ion:188 Resp: 216840
Ion Ratio Lower Upper
188 100
94 8.2 6.9 10.3
80 9.5 8.1 12.1

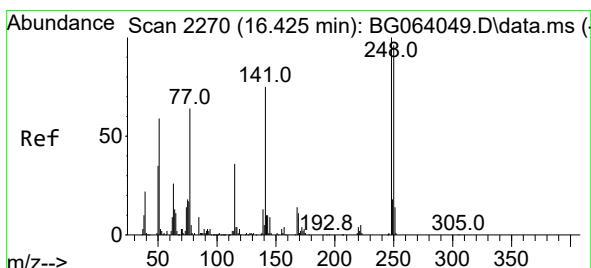
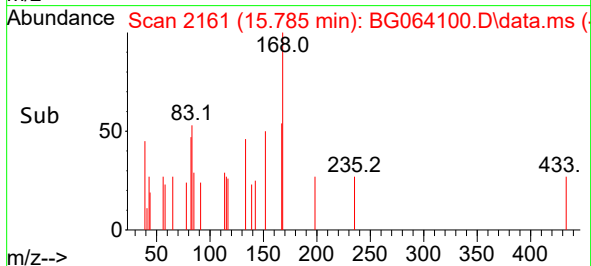
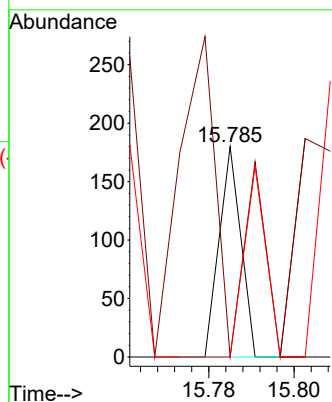
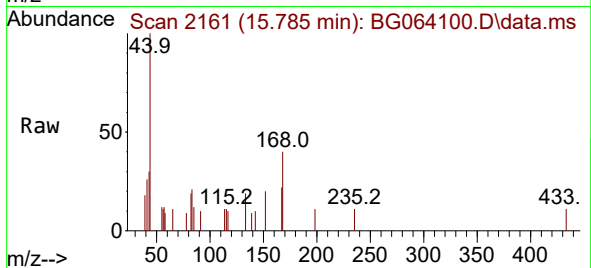




#65
4,6-Dinitro-2-methylphenol
Concen: 8.235 ng
RT: 15.785 min Scan# 2131
Delta R.T. 0.176 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

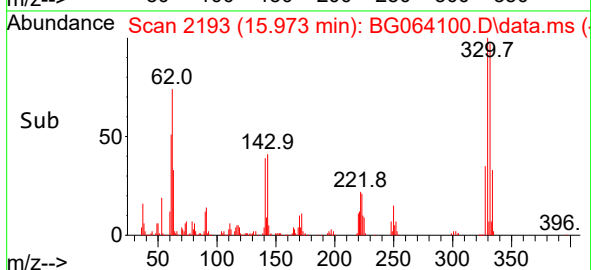
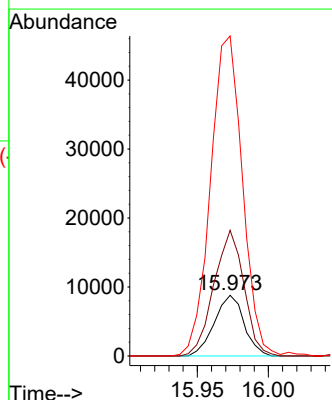
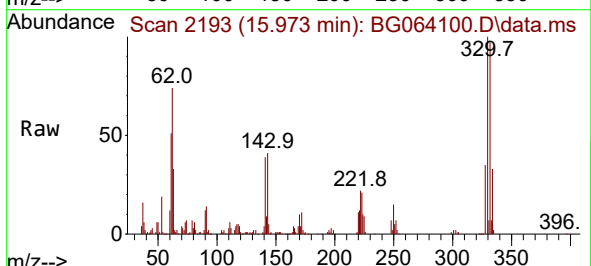
Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

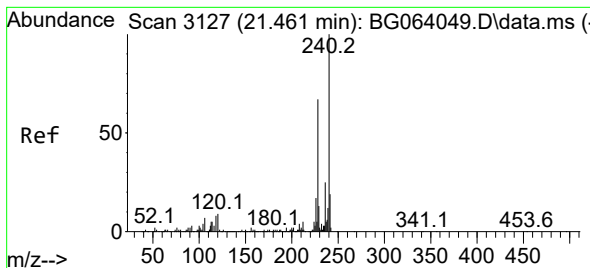
Tgt Ion:198 Resp: 63
Ion Ratio Lower Upper
198 100
51 0.0 45.6 85.6#
105 0.0 25.3 65.3#



#67
4-Bromophenyl-phenylether
Concen: 5.758 ng
RT: 15.973 min Scan# 2193
Delta R.T. -0.452 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:248 Resp: 12787
Ion Ratio Lower Upper
248 100
250 207.1 77.1 115.7#
141 527.7 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.455 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BG064100.D

Acq: 11 Mar 2025 17:59

Instrument :

BNA_G

ClientSampleId :

WC-A2-02-C

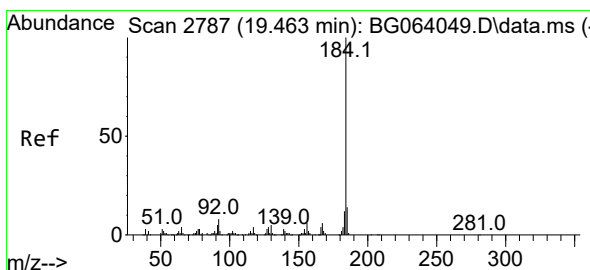
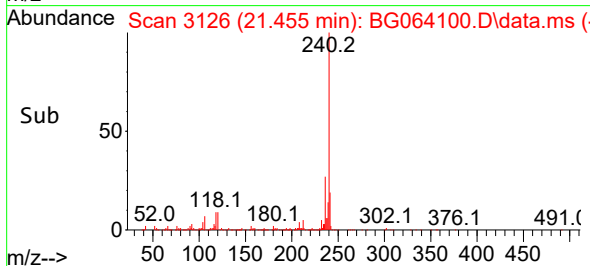
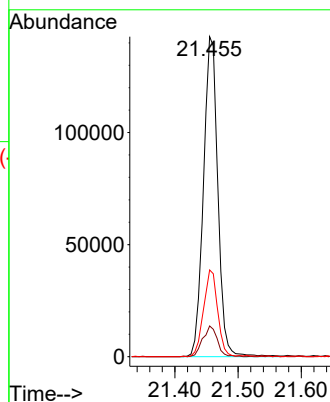
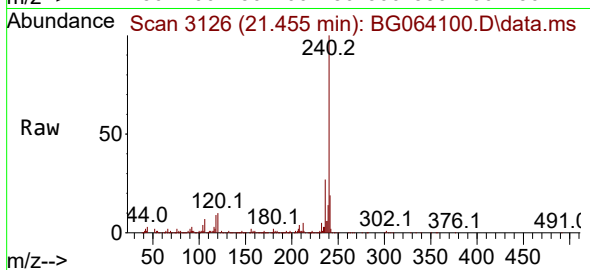
Tgt Ion:240 Resp: 225564

Ion Ratio Lower Upper

240 100

120 9.6 7.2 10.8

236 27.1 20.2 30.2



#77

Benzidine

Concen: 6.969 ng

RT: 19.851 min Scan# 2853

Delta R.T. 0.388 min

Lab File: BG064100.D

Acq: 11 Mar 2025 17:59

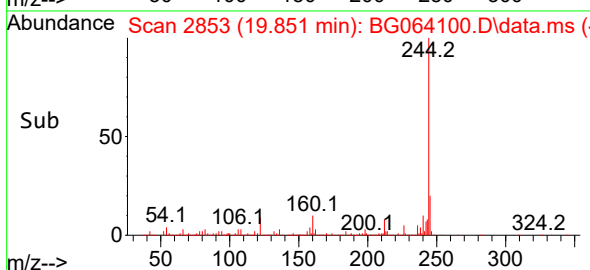
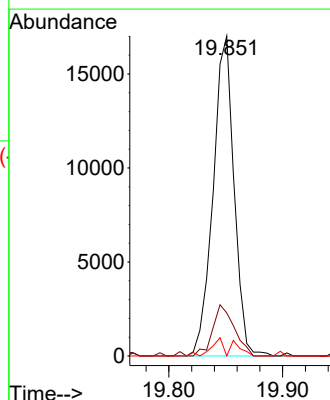
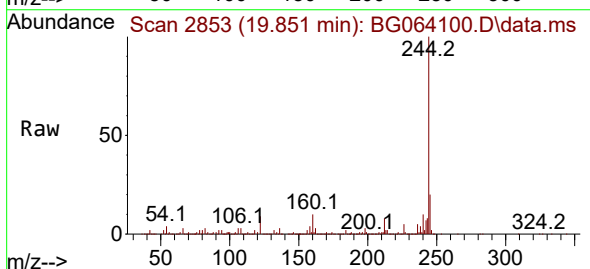
Tgt Ion:184 Resp: 21768

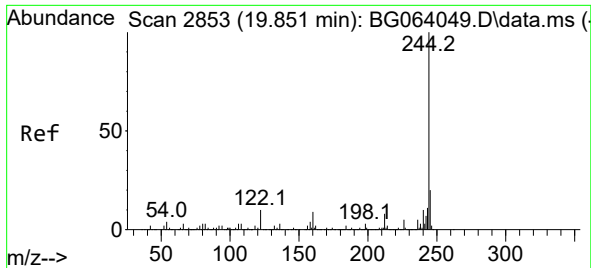
Ion Ratio Lower Upper

184 100

185 13.5 11.3 16.9

183 0.0 9.5 14.3#

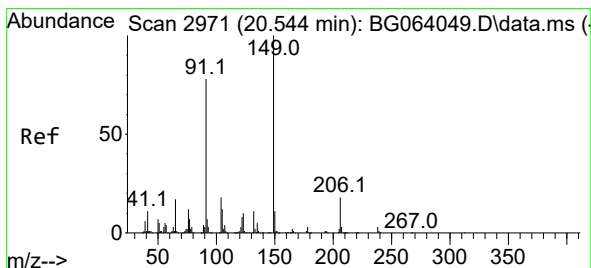
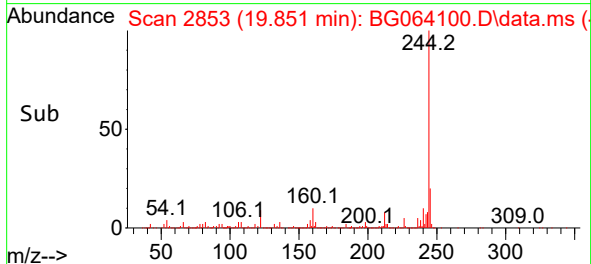
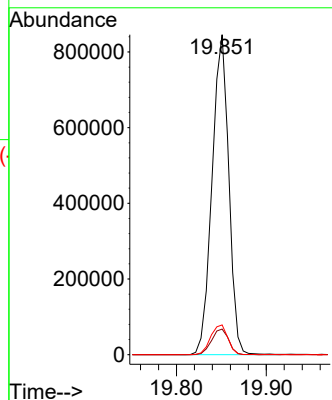
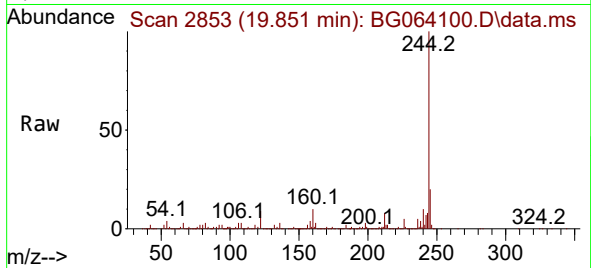




#79
 Terphenyl-d14
 Concen: 97.929 ng
 RT: 19.851 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG064100.D
 Acq: 11 Mar 2025 17:59

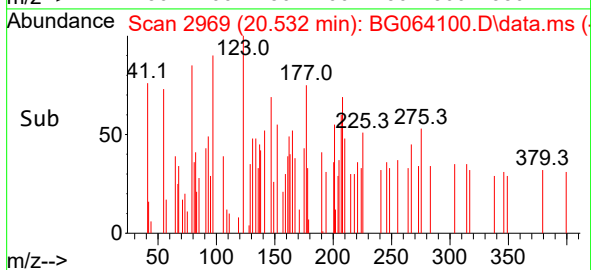
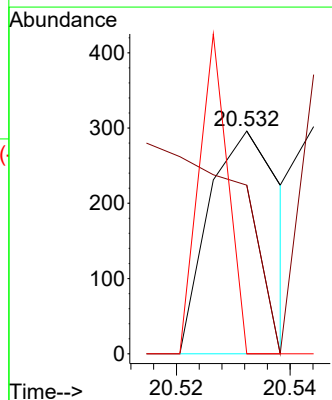
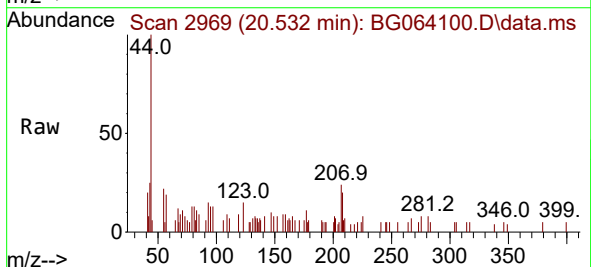
Instrument :
 BNA_G
 ClientSampleId :
 WC-A2-02-C

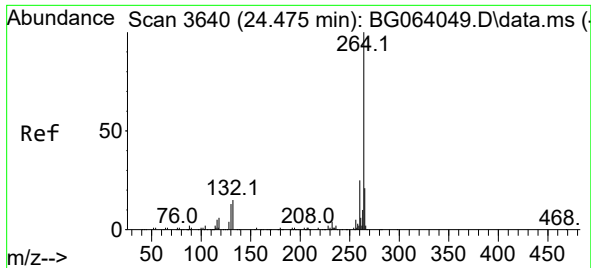
Tgt Ion:244 Resp: 1092452
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.4
 122 9.3 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 3.682 ng
 RT: 20.532 min Scan# 2969
 Delta R.T. -0.012 min
 Lab File: BG064100.D
 Acq: 11 Mar 2025 17:59

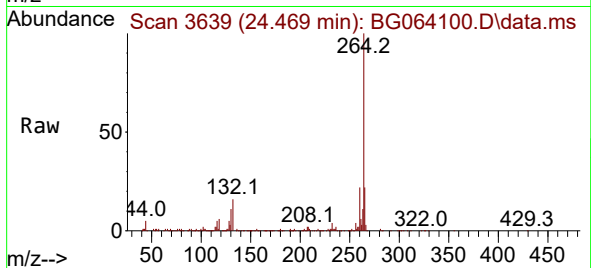
Tgt Ion:149 Resp: 265
 Ion Ratio Lower Upper
 149 100
 91 75.7 62.0 93.0
 206 0.0 14.6 21.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.469 min Scan# 30
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C



Tgt Ion:264 Resp: 244851

Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.6	29.4
265	21.9	16.6	25.0

