

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040125\
 Data File : BG064141.D
 Acq On : 1 Apr 2025 19:05
 Operator : RC/JU
 Sample : Q1664-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-BBDGA-005-01

Quant Time: Apr 02 01:35:54 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)

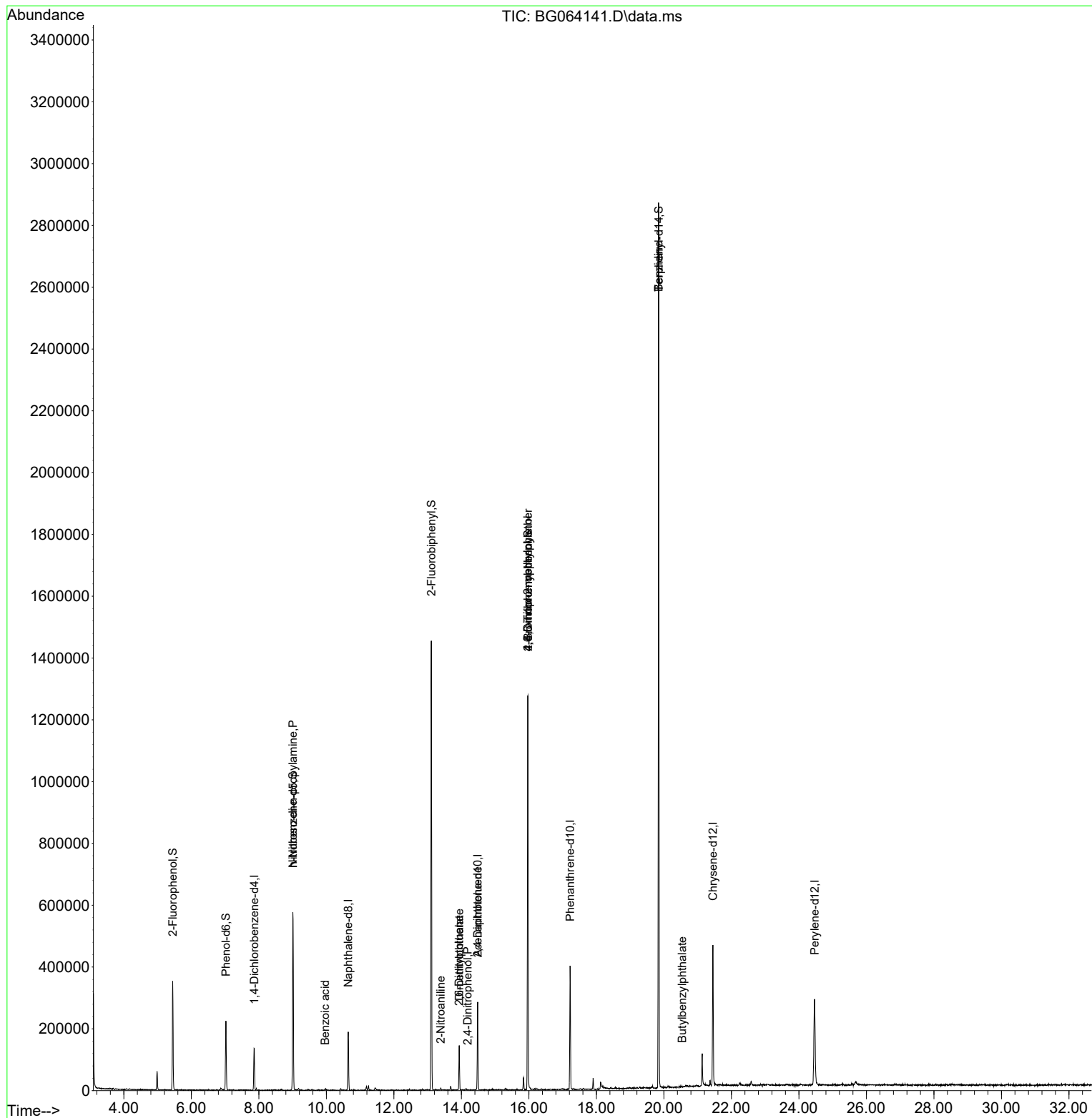
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	32945	20.000	ng	0.00
21) Naphthalene-d8	10.647	136	139968	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	95119	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	227404	20.000	ng	0.00
76) Chrysene-d12	21.452	240	259176	20.000	ng	0.00
86) Perylene-d12	24.466	264	276065	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.448	112	136429	64.661	ng	0.00
7) Phenol-d6	7.022	99	103872	36.189	ng	0.00
23) Nitrobenzene-d5	9.008	82	306214	120.899	ng	0.00
42) 2,4,6-Tribromophenol	15.971	330	218554	206.707	ng	0.00
45) 2-Fluorobiphenyl	13.109	172	700349	111.760	ng	0.00
79) Terphenyl-d14	19.848	244	1353612	105.604	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.008	70	41956	20.828	ng	# 77
32) Benzoic acid	9.960	122	89	8.742	ng	# 1
48) 2-Nitroaniline	13.385	65	60	3.250	ng	# 11
50) Dimethylphthalate	13.938	163	80935	11.527	ng	# 97
51) 2,6-Dinitrotoluene	13.932	165	1201	4.141	ng	# 39
54) 2,4-Dinitrophenol	14.184	184	133	8.084	ng	# 15
57) 2,4-Dinitrotoluene	14.484	165	14424	10.427	ng	# 16
65) 4,6-Dinitro-2-methylph...	15.965	198	1158	9.157	ng	# 11
67) 4-Bromophenyl-phenylether	15.971	248	15006	6.443	ng	# 1
77) Benzidine	19.842	184	26863	7.485	ng	# 92
80) Butylbenzylphthalate	20.542	149	133	3.657	ng	# 20

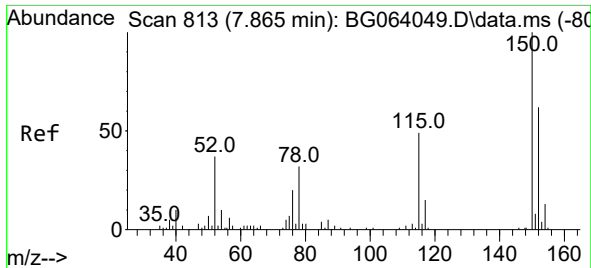
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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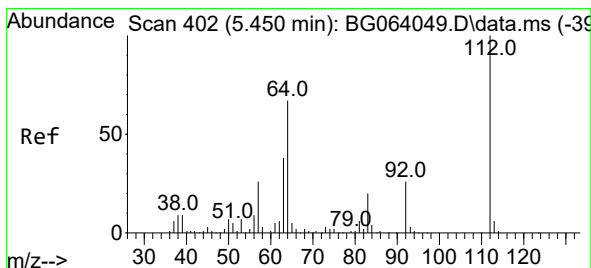
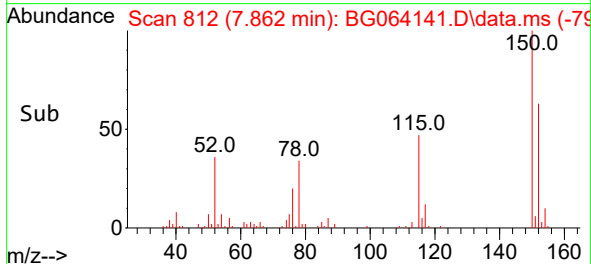
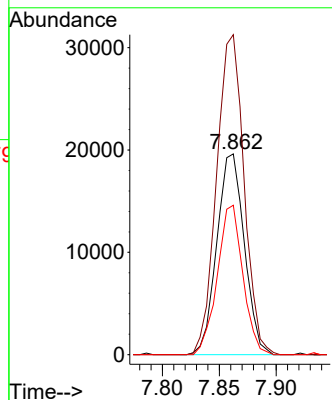
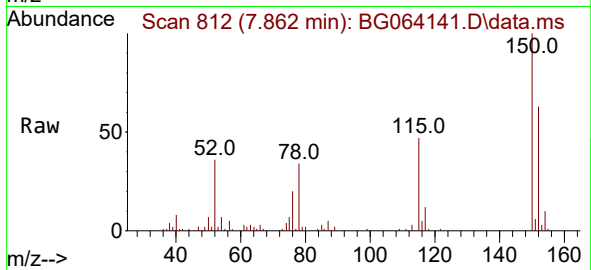




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

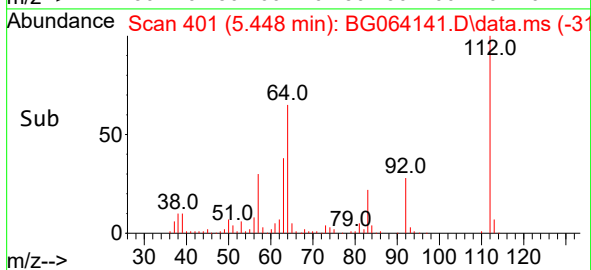
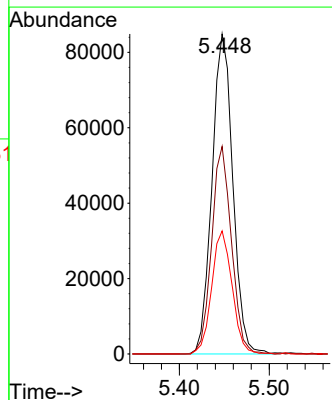
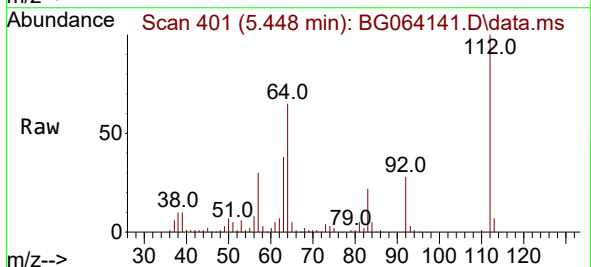
Instrument :
BNA_G
ClientSampleId :
P001-BBDGA-005-01

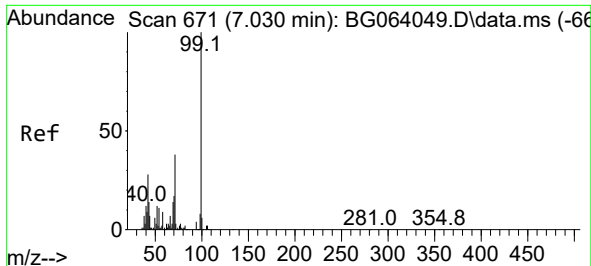
Tgt Ion:152 Resp: 32945
Ion Ratio Lower Upper
152 100
150 159.4 129.2 193.8
115 74.4 63.0 94.6



#5
2-Fluorophenol
Concen: 64.661 ng
RT: 5.448 min Scan# 401
Delta R.T. -0.002 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

Tgt Ion:112 Resp: 136429
Ion Ratio Lower Upper
112 100
64 64.9 53.7 80.5
63 38.4 30.2 45.4

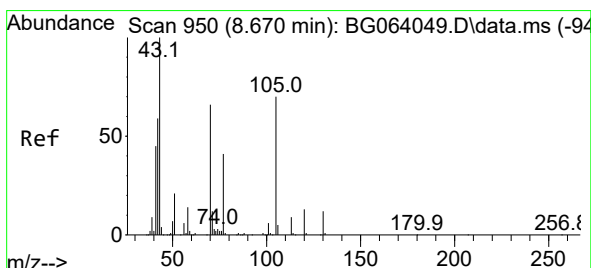
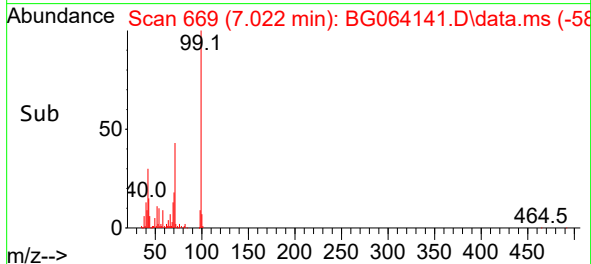
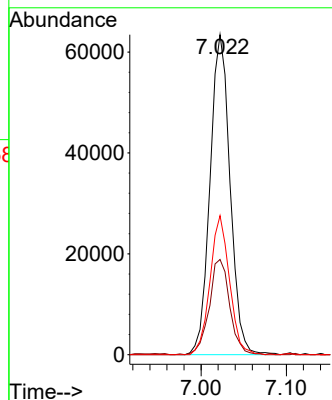
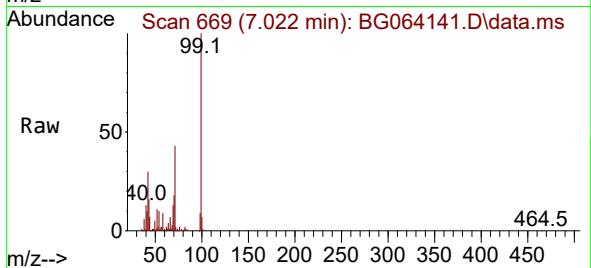




#7
Phenol-d6
Concen: 36.189 ng
RT: 7.022 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

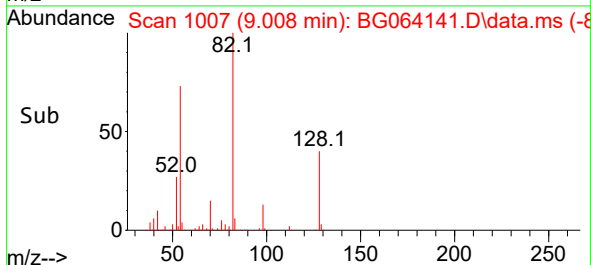
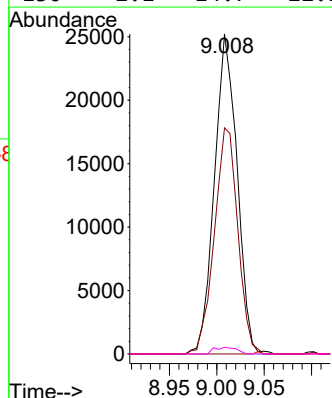
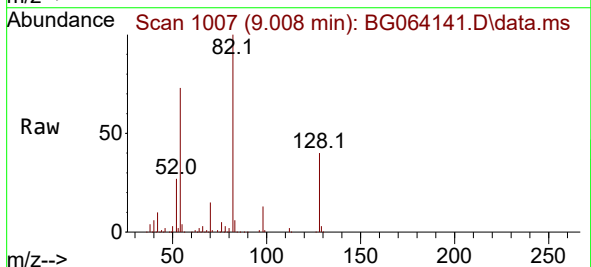
Instrument :
BNA_G
ClientSampleId :
P001-BBDGA-005-01

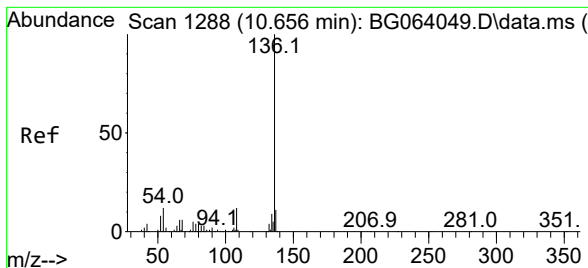
Tgt Ion: 99 Resp: 103872
Ion Ratio Lower Upper
99 100
42 29.8 22.7 34.1
71 43.4 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 20.828 ng
RT: 9.008 min Scan# 1007
Delta R.T. 0.338 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

Tgt Ion: 70 Resp: 41956
Ion Ratio Lower Upper
70 100
42 70.6 72.1 108.1#
101 0.0 7.2 10.8#
130 2.1 14.7 22.1#

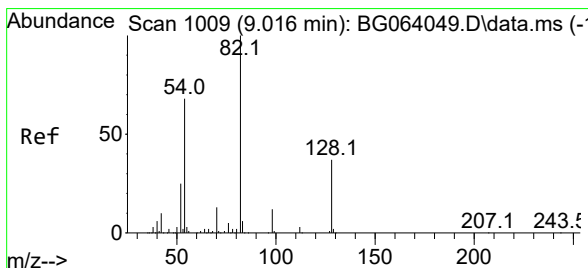
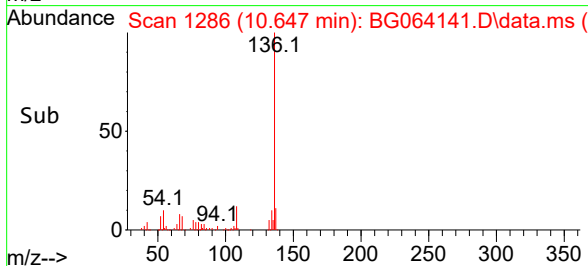
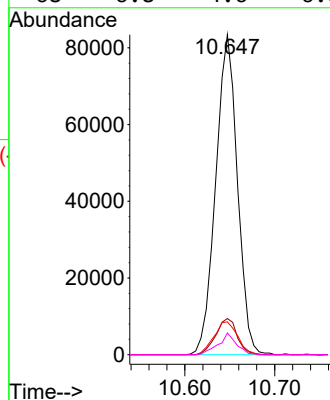
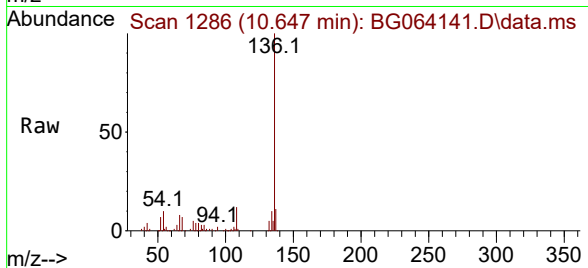




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.647 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

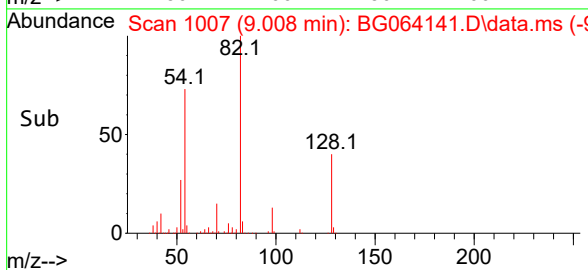
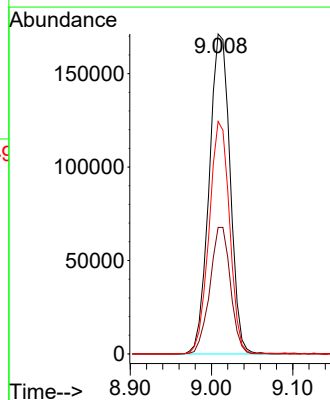
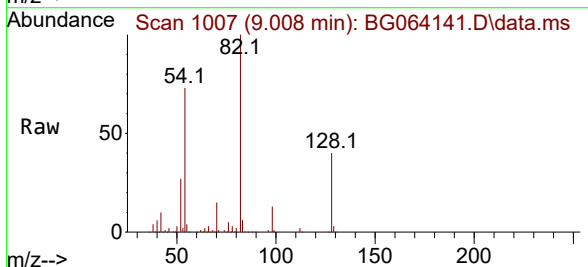
Instrument :
BNA_G
ClientSampleId :
P001-BBDGA-005-01

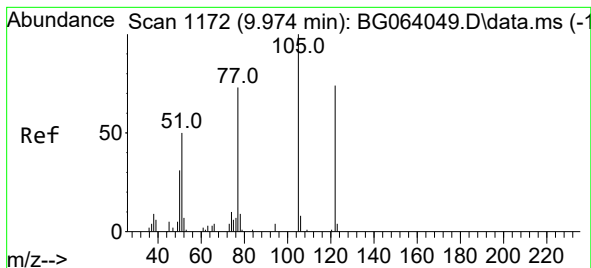
Tgt	Ion:136	Resp:	139968
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	10.3	9.9	14.9
68	6.8	4.6	6.8



#23
Nitrobenzene-d5
Concen: 120.899 ng
RT: 9.008 min Scan# 1007
Delta R.T. -0.008 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

Tgt Ion: 82	Resp: 306214
Ion Ratio	Lower Upper
82 100	
128 39.5	30.0 45.0
54 72.6	54.7 82.1





#32

Benzoic acid

Concen: 8.742 ng

RT: 9.960 min Scan# 1172

Delta R.T. -0.014 min

Lab File: BG064141.D

Acq: 1 Apr 2025 19:05

Instrument :

BNA_G

ClientSampleId :

P001-BBDGA-005-01

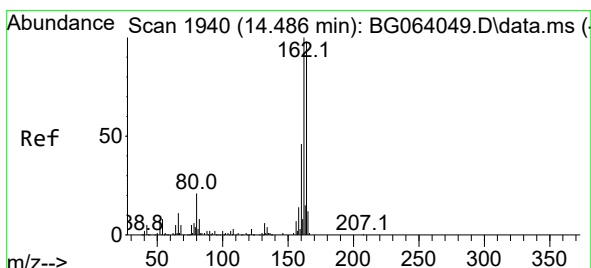
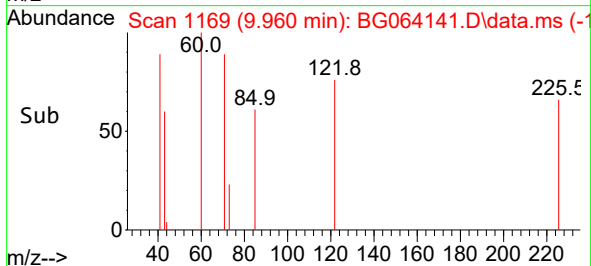
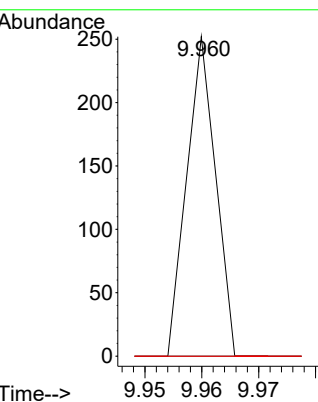
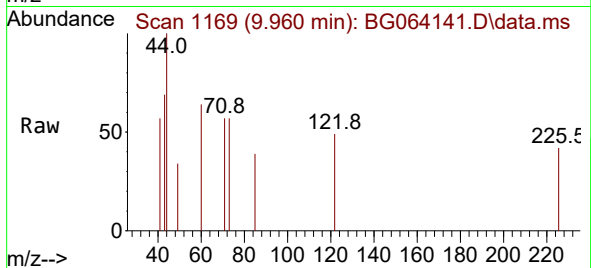
Tgt Ion:122 Resp: 89

Ion Ratio Lower Upper

122 100

105 0.0 115.0 155.0#

77 0.0 80.9 120.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.484 min Scan# 1939

Delta R.T. -0.002 min

Lab File: BG064141.D

Acq: 1 Apr 2025 19:05

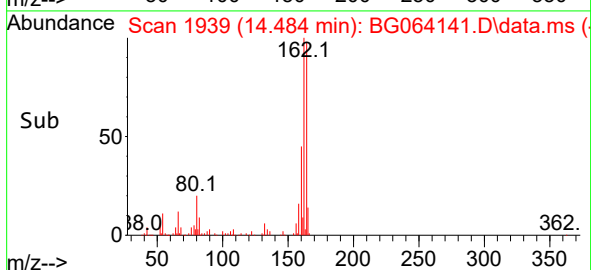
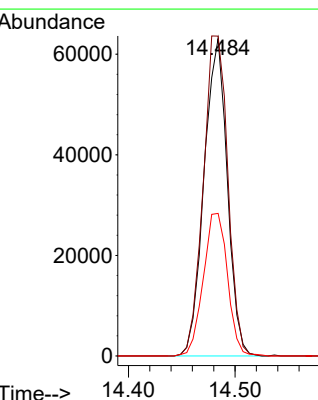
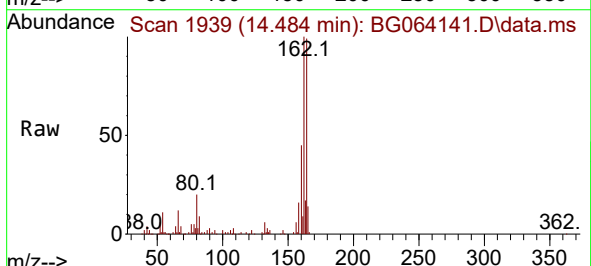
Tgt Ion:164 Resp: 95119

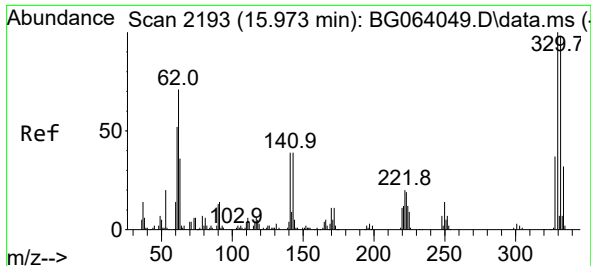
Ion Ratio Lower Upper

164 100

162 100.7 81.4 122.0

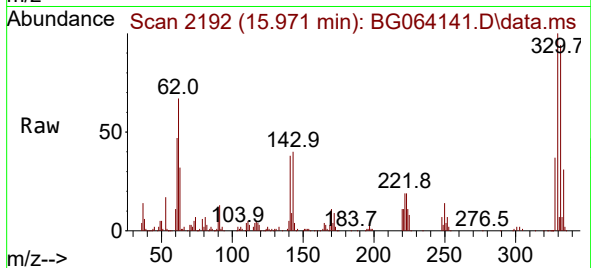
160 44.9 37.0 55.6



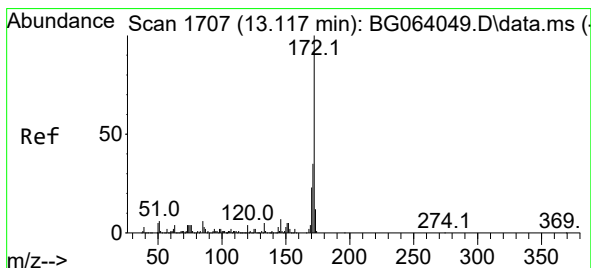
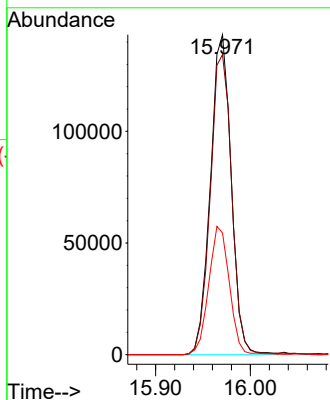
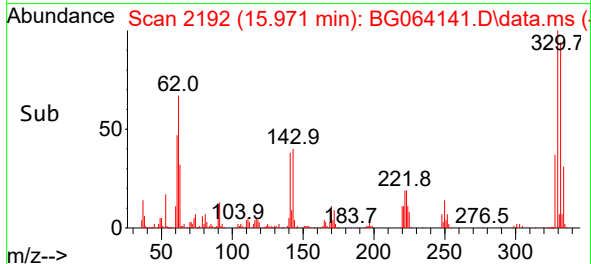


#42
 2,4,6-Tribromophenol
 Concen: 206.707 ng
 RT: 15.971 min Scan# 2193
 Delta R.T. -0.002 min
 Lab File: BG064141.D
 Acq: 1 Apr 2025 19:05

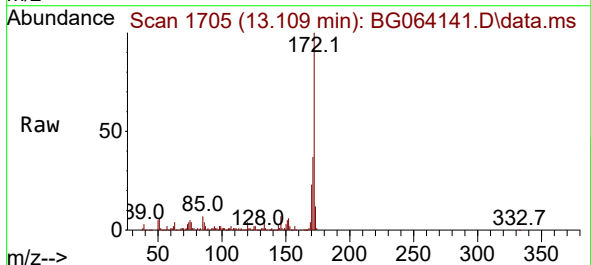
Instrument :
 BNA_G
 ClientSampleId :
 P001-BBDGA-005-01



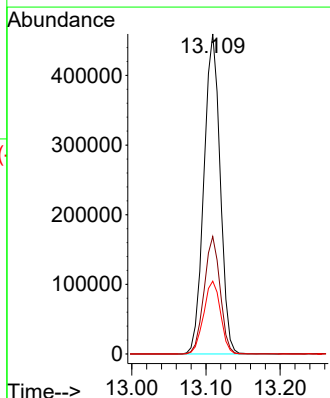
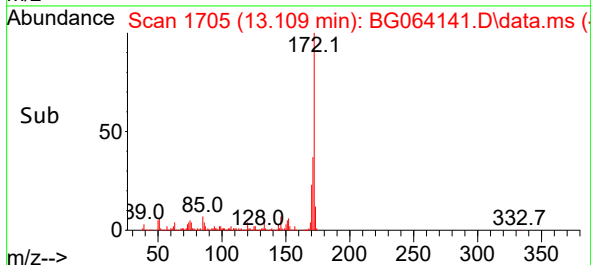
Tgt Ion:330 Resp: 218554
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.7 115.1
 141 39.9 29.7 44.5

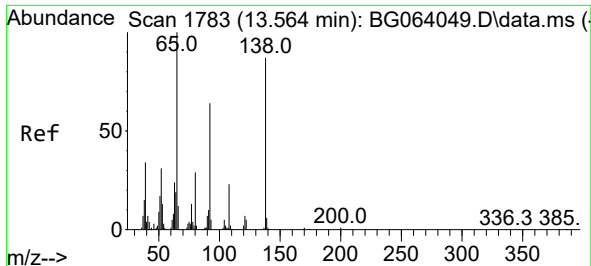


#45
 2-Fluorobiphenyl
 Concen: 111.760 ng
 RT: 13.109 min Scan# 1705
 Delta R.T. -0.008 min
 Lab File: BG064141.D
 Acq: 1 Apr 2025 19:05



Tgt Ion:172 Resp: 700349
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.0 42.0
 170 22.8 18.7 28.1

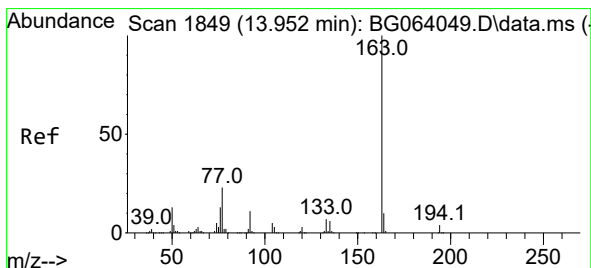
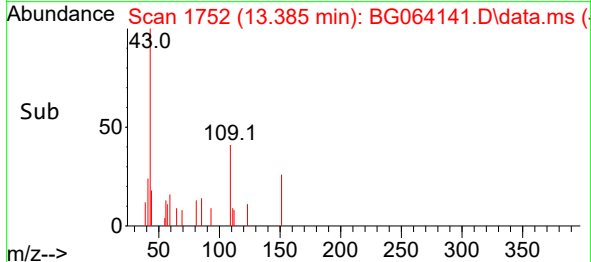
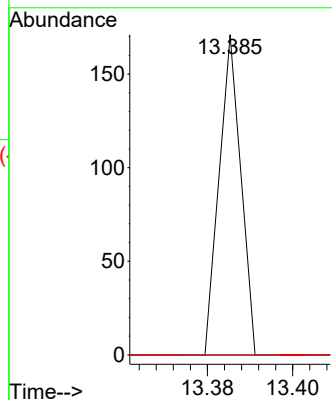
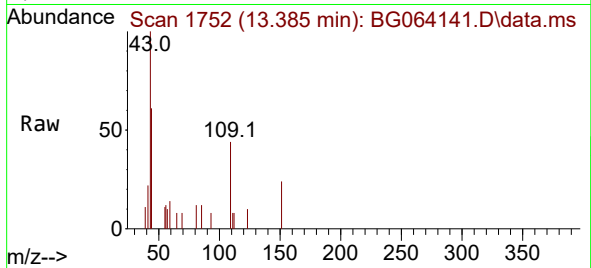




#48
2-Nitroaniline
Concen: 3.250 ng
RT: 13.385 min Scan# 1
Delta R.T. -0.179 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

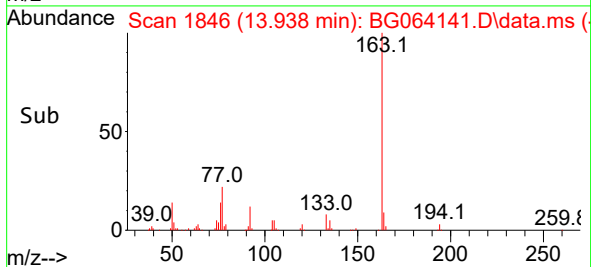
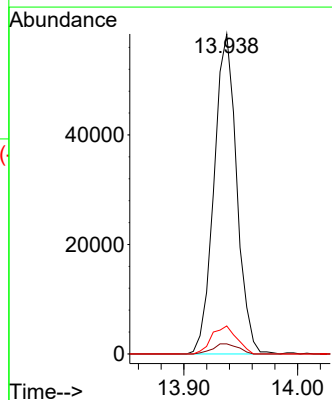
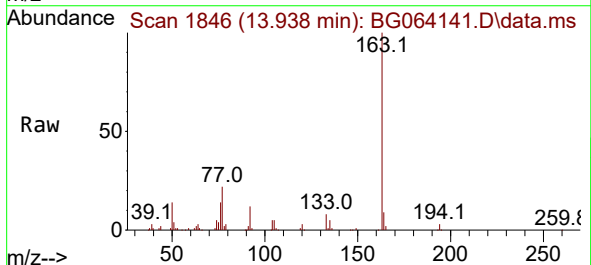
Instrument :
BNA_G
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P001-BBDGA-005-01

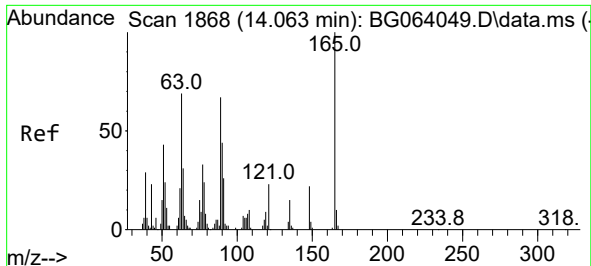
Tgt Ion: 65 Resp: 60
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#



#50
Dimethylphthalate
Concen: 11.527 ng
RT: 13.938 min Scan# 1846
Delta R.T. -0.014 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

Tgt Ion:163 Resp: 80935
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 8.8 8.2 12.2

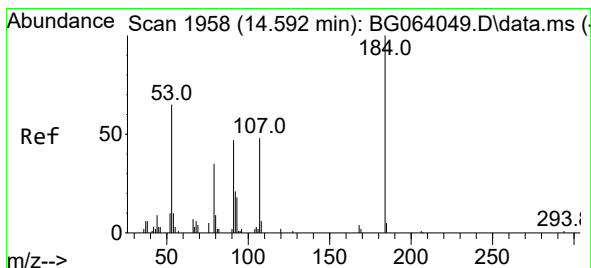
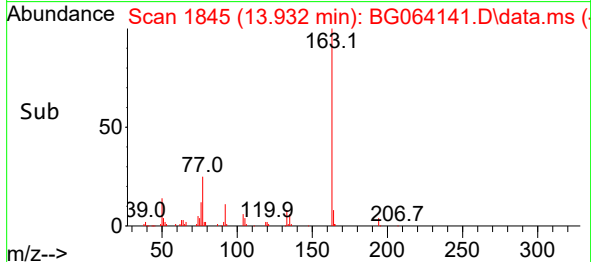
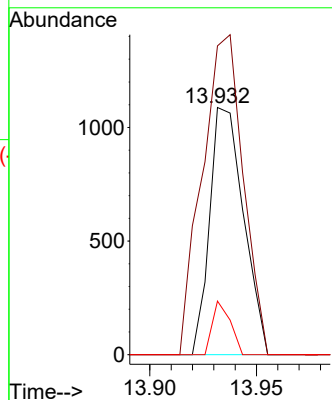
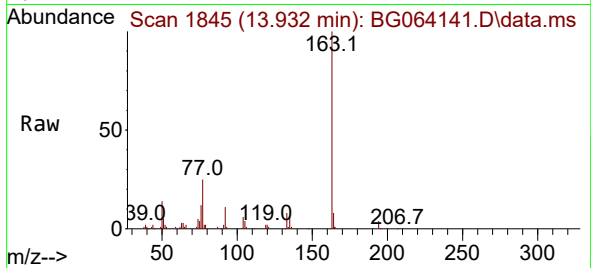




#51
2,6-Dinitrotoluene
Concen: 4.141 ng
RT: 13.932 min Scan# 1845
Delta R.T. -0.131 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

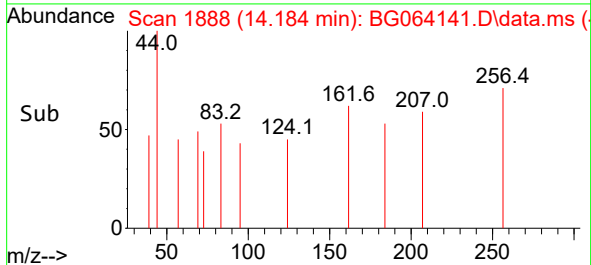
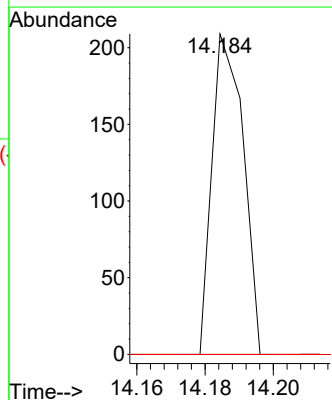
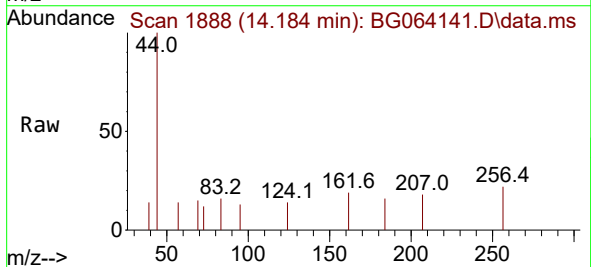
Instrument :
BNA_G
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P001-BBDGA-005-01

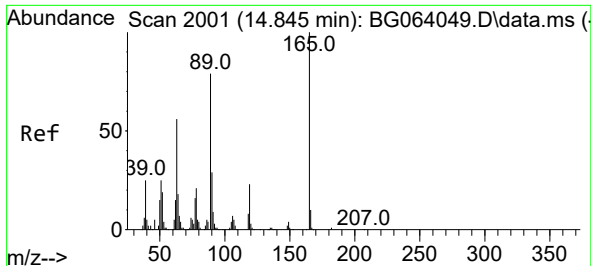
Tgt Ion:165 Resp: 1201
Ion Ratio Lower Upper
165 100
63 124.9 56.7 85.1#
89 21.7 53.7 80.5#



#54
2,4-Dinitrophenol
Concen: 8.084 ng
RT: 14.184 min Scan# 1888
Delta R.T. -0.408 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

Tgt Ion:184 Resp: 133
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: 10.427 ng

RT: 14.484 min Scan# 1939

Delta R.T. -0.361 min

Lab File: BG064141.D

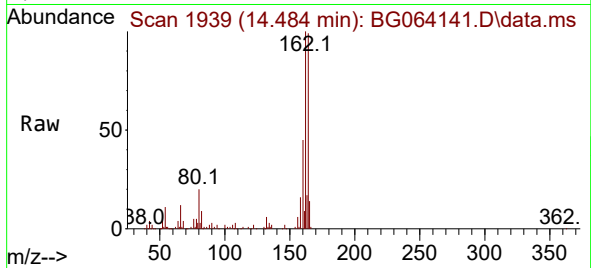
Acq: 1 Apr 2025 19:05

Instrument :

BNA_G

ClientSampleId :

P001-BBDGA-005-01



Tgt Ion:165 Resp: 14424

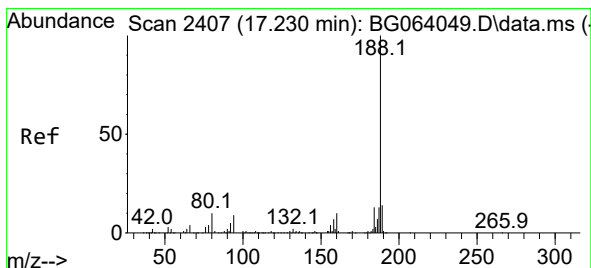
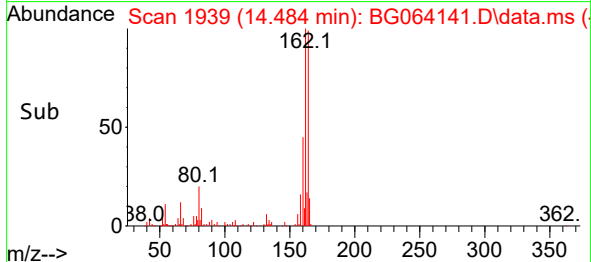
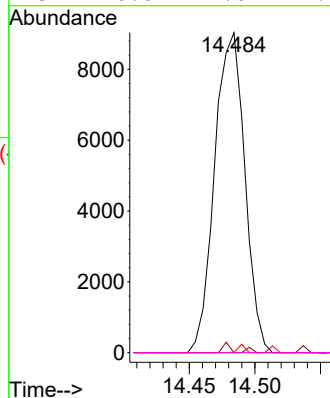
Ion Ratio Lower Upper

165 100

63 0.0 45.0 67.6#

89 0.0 63.1 94.7#

182 0.0 1.0 1.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.222 min Scan# 2405

Delta R.T. -0.008 min

Lab File: BG064141.D

Acq: 1 Apr 2025 19:05

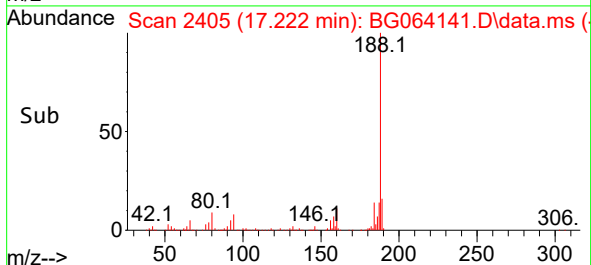
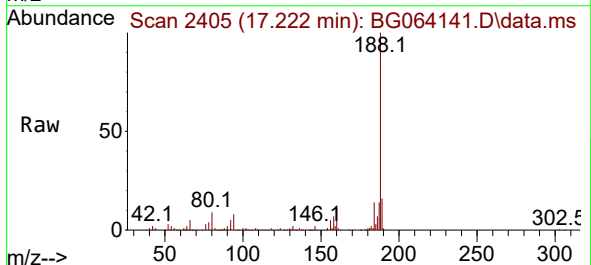
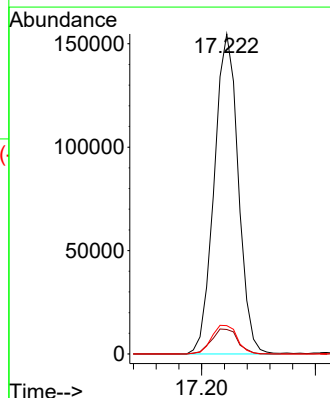
Tgt Ion:188 Resp: 227404

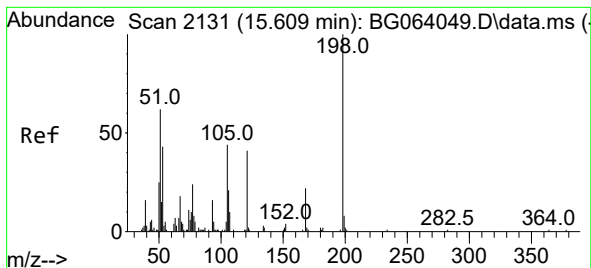
Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

80 8.9 8.1 12.1

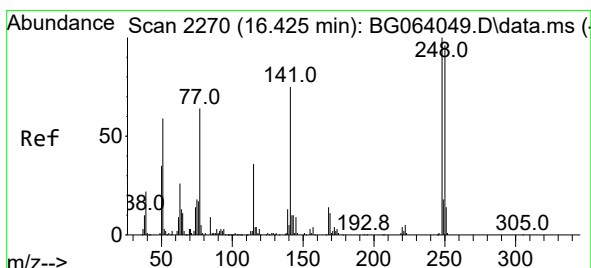
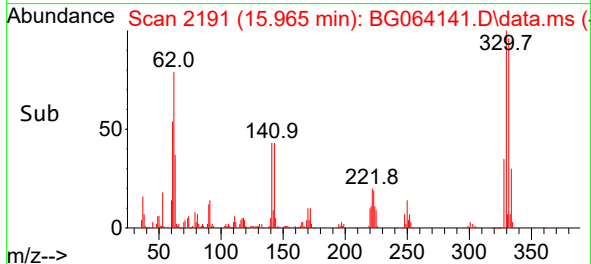
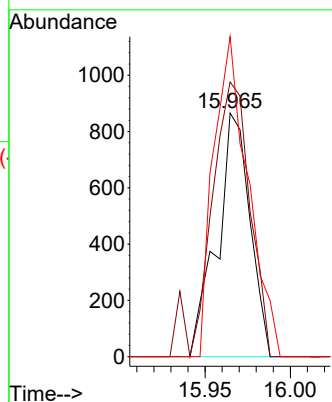
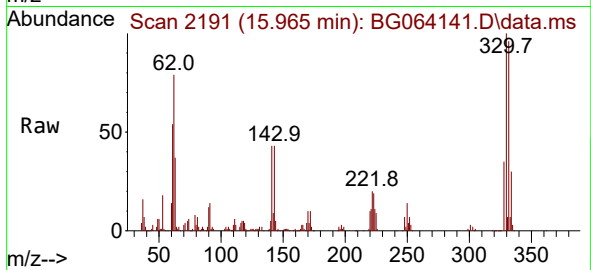




#65
4,6-Dinitro-2-methylphenol
Concen: 9.157 ng
RT: 15.965 min Scan# 2131
Delta R.T. 0.356 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

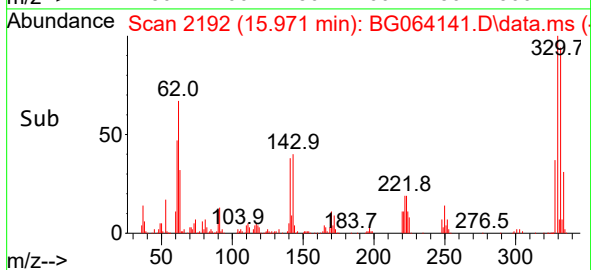
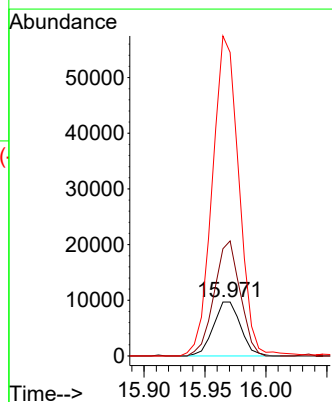
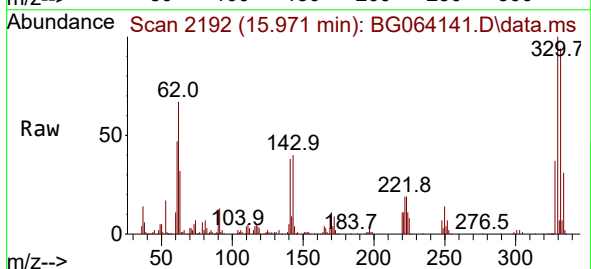
Instrument :
BNA_G
ClientSampleId :
P001-BBDGA-005-01

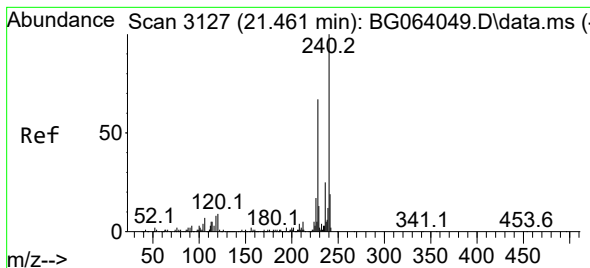
Tgt Ion:198 Resp: 1158
Ion Ratio Lower Upper
198 100
51 112.7 45.6 85.6#
105 131.3 25.3 65.3#



#67
4-Bromophenyl-phenylether
Concen: 6.443 ng
RT: 15.971 min Scan# 2192
Delta R.T. -0.455 min
Lab File: BG064141.D
Acq: 1 Apr 2025 19:05

Tgt Ion:248 Resp: 15006
Ion Ratio Lower Upper
248 100
250 213.1 77.1 115.7#
141 562.6 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.452 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG064141.D

Acq: 1 Apr 2025 19:05

Instrument :

BNA_G

ClientSampleId :

P001-BBDGA-005-01

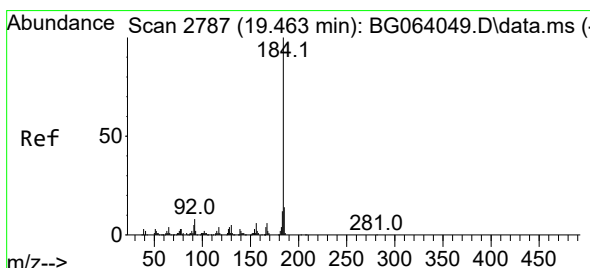
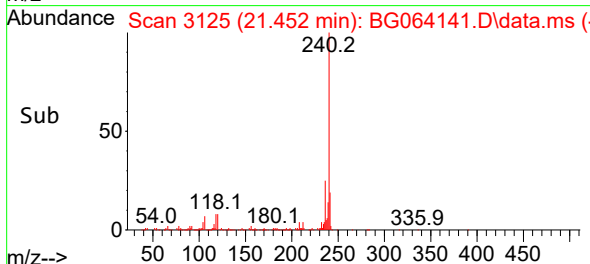
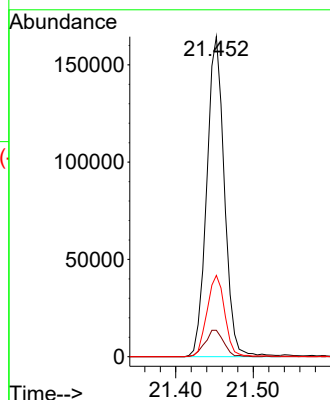
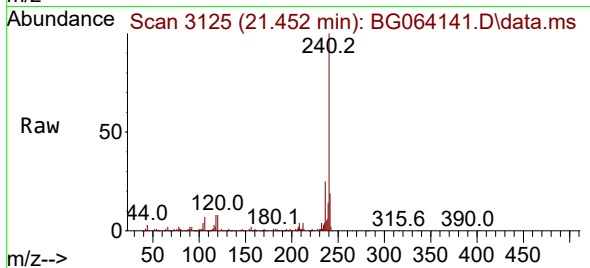
Tgt Ion:240 Resp: 259176

Ion Ratio Lower Upper

240 100

120 8.3 7.2 10.8

236 25.4 20.2 30.2



#77

Benzidine

Concen: 7.485 ng

RT: 19.842 min Scan# 2851

Delta R.T. 0.379 min

Lab File: BG064141.D

Acq: 1 Apr 2025 19:05

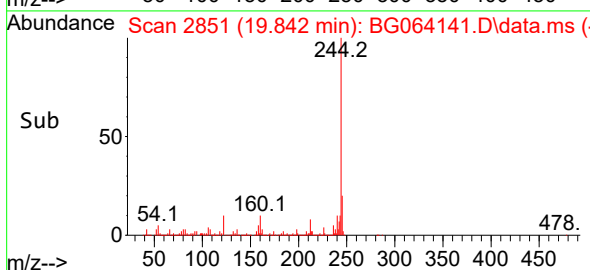
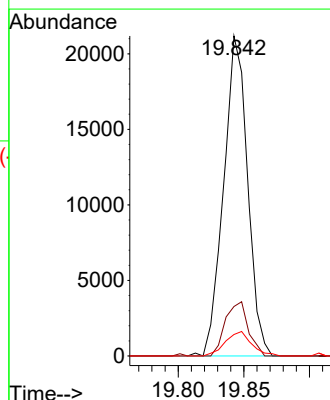
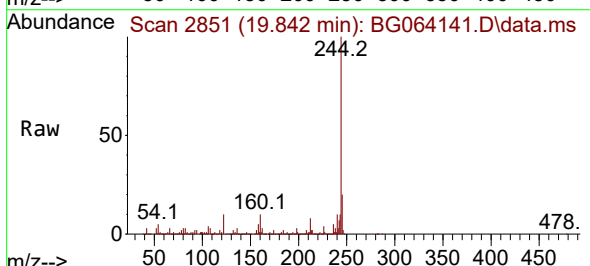
Tgt Ion:184 Resp: 26863

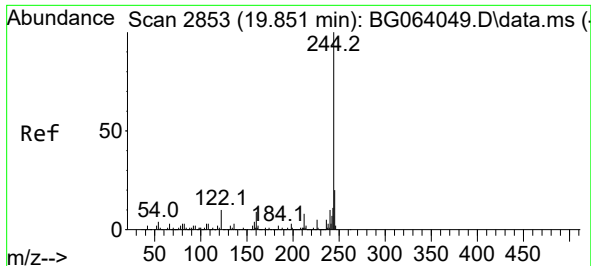
Ion Ratio Lower Upper

184 100

185 15.4 11.3 16.9

183 6.7 9.5 14.3#

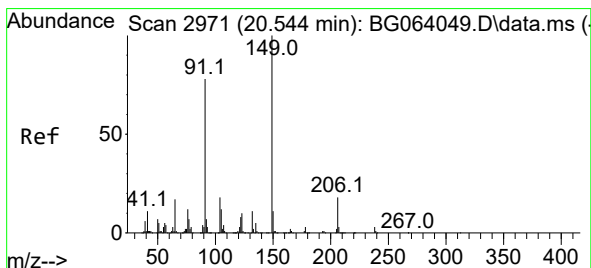
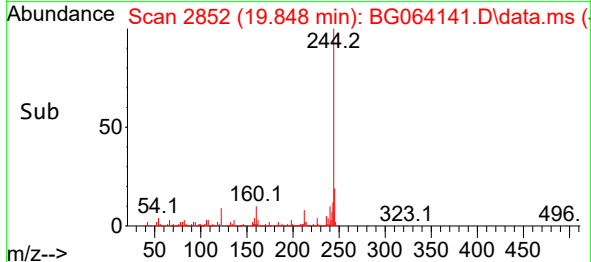
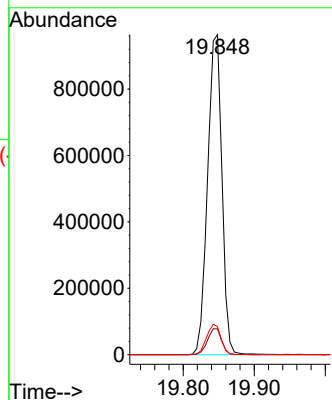
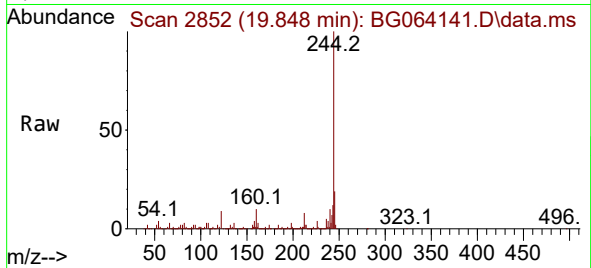




#79
 Terphenyl-d14
 Concen: 105.604 ng
 RT: 19.848 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG064141.D
 Acq: 1 Apr 2025 19:05

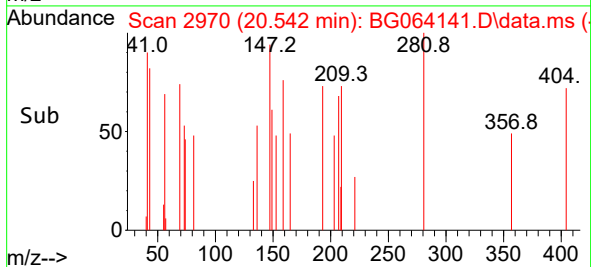
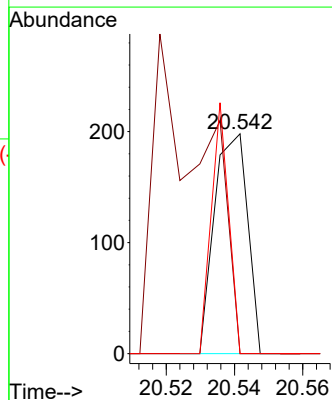
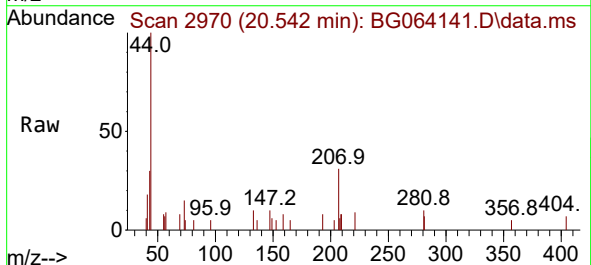
Instrument :
 BNA_G
 ClientSampleId :
 P001-BBDGA-005-01

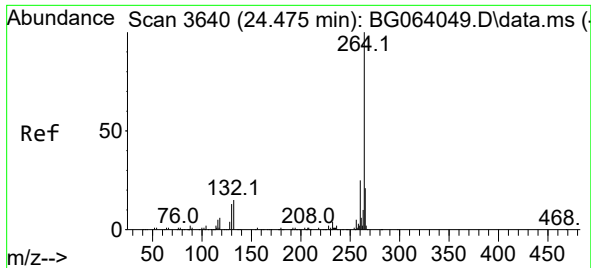
Tgt Ion:244 Resp: 1353612
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.4
 122 8.8 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 3.657 ng
 RT: 20.542 min Scan# 2970
 Delta R.T. -0.002 min
 Lab File: BG064141.D
 Acq: 1 Apr 2025 19:05

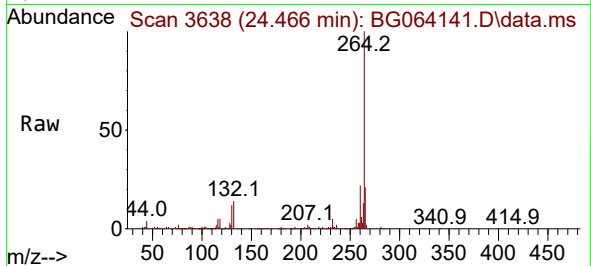
Tgt Ion:149 Resp: 133
 Ion Ratio Lower Upper
 149 100
 91 0.0 62.0 93.0#
 206 0.0 14.6 21.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.466 min Scan# 30
 Delta R.T. -0.008 min
 Lab File: BG064141.D
 Acq: 1 Apr 2025 19:05

Instrument :
 BNA_G
 ClientSampleId :
 P001-BBDGA-005-01



Tgt Ion:264 Resp: 276065
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.6 29.4
 265 21.3 16.6 25.0

