

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
 Data File : BG060878.D
 Acq On : 12 Apr 2024 17:42
 Operator : MA/JU
 Sample : P2070-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Apr 12 18:14:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

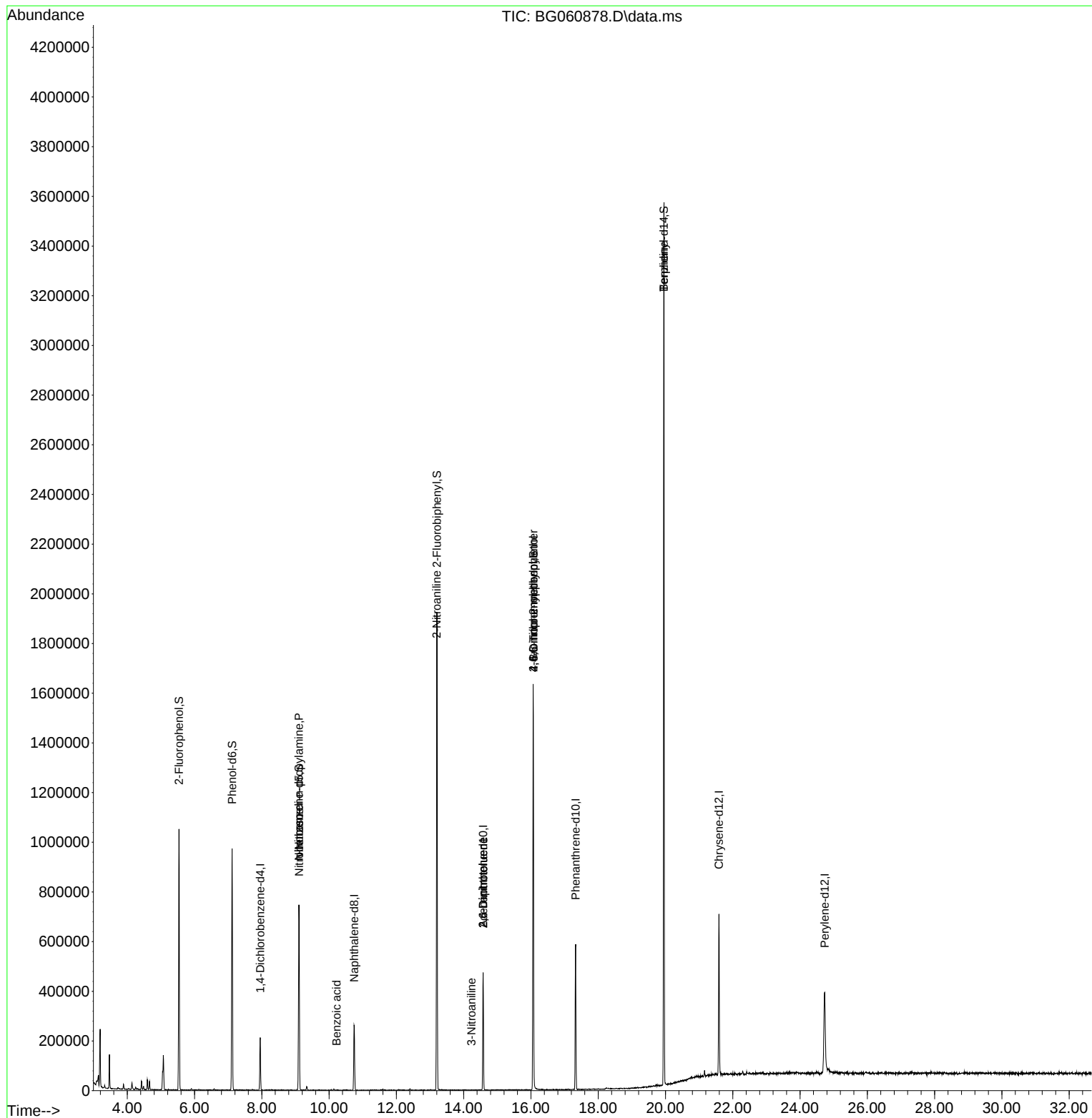
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	55112	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	216578	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	165218	20.000	ng	0.00
64) Phenanthrene-d10	17.329	188	390407	20.000	ng	0.00
76) Chrysene-d12	21.589	240	368406	20.000	ng	-0.02
86) Perylene-d12	24.733	264	411315	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	390572	118.060	ng	0.00
7) Phenol-d6	7.118	99	487678	99.309	ng	0.00
23) Nitrobenzene-d5	9.104	82	408896	107.731	ng	0.00
42) 2,4,6-Tribromophenol	16.072	330	334606	178.410	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	1002412	89.044	ng	-0.02
79) Terphenyl-d14	19.956	244	1870092	89.383	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.104	70	54305	14.501	ng	# 76
24) Nitrobenzene	9.110	77	1484	3.104	ng	# 29
32) Benzoic acid	10.220	122	258	6.931	ng	# 1
48) 2-Nitroaniline	13.199	65	1977	3.517	ng	# 1
51) 2,6-Dinitrotoluene	14.580	165	20944	11.799	ng	# 19
53) 3-Nitroaniline	14.233	138	59	2.873	ng	# 1
57) 2,4-Dinitrotoluene	14.580	165	20944	9.938	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.072	198	1035	7.582	ng	# 1
67) 4-Bromophenyl-phenylether	16.072	248	22954	5.793	ng	# 1
77) Benzidine	19.950	184	29341	3.025	ng	# 92

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

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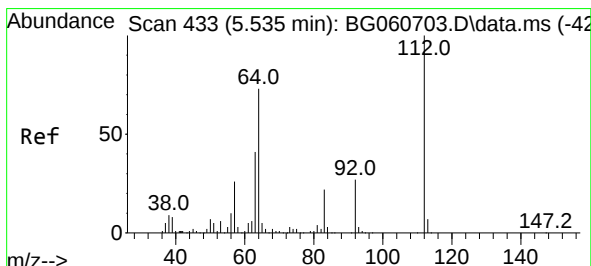
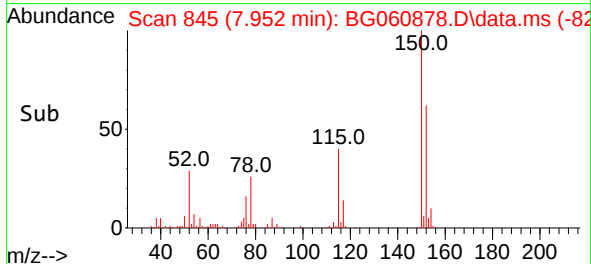
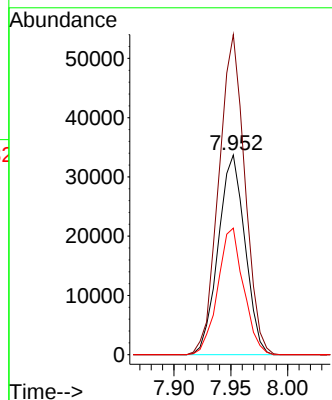
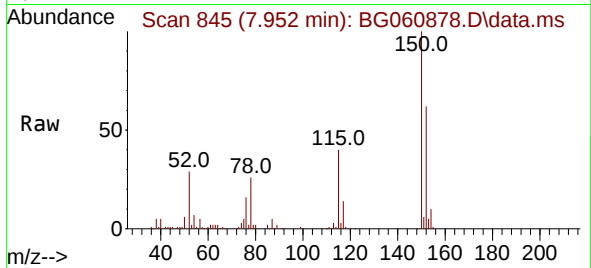




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 846
Delta R.T. -0.009 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

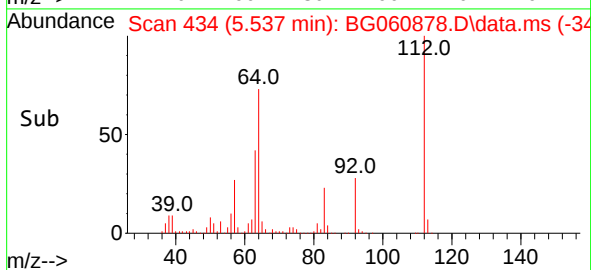
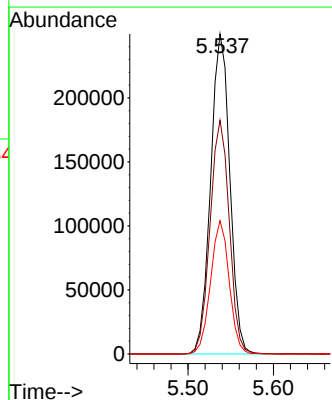
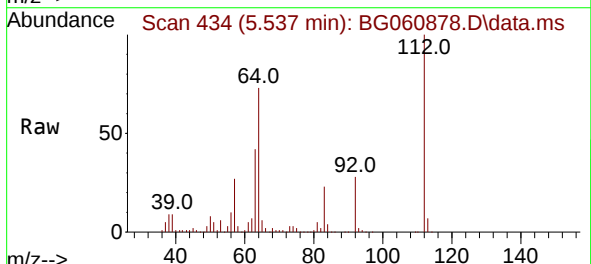
Instrument :
BNA_G
ClientSampleId :
TP-5

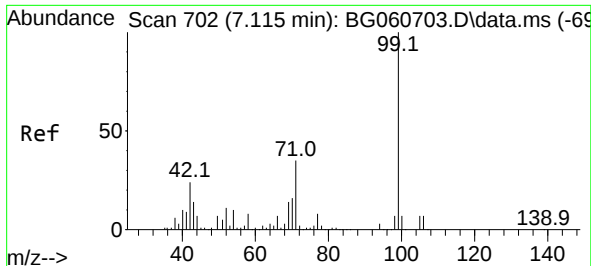
Tgt Ion:152 Resp: 55112
Ion Ratio Lower Upper
152 100
150 160.3 130.2 195.4
115 63.4 51.6 77.4



#5
2-Fluorophenol
Concen: 118.060 ng
RT: 5.537 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

Tgt Ion:112 Resp: 390572
Ion Ratio Lower Upper
112 100
64 73.0 58.4 87.6
63 41.7 32.7 49.1

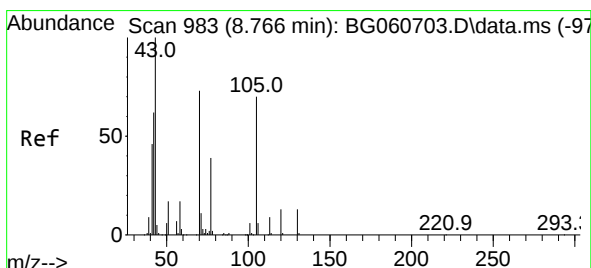
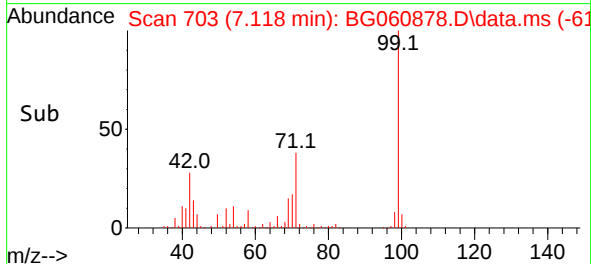
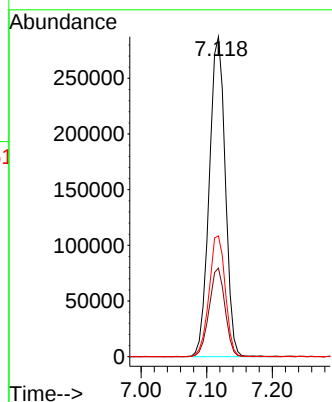
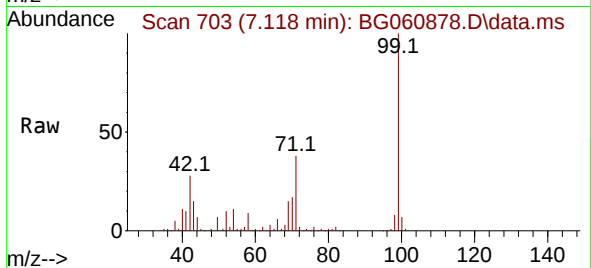




#7
Phenol-d6
Concen: 99.309 ng
RT: 7.118 min Scan# 702
Delta R.T. 0.003 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

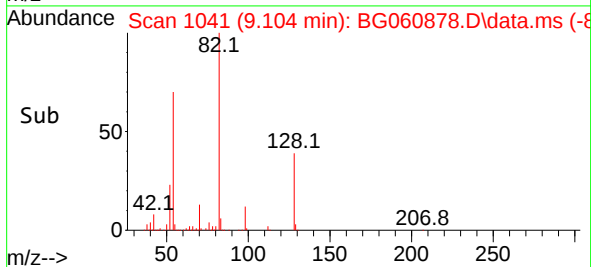
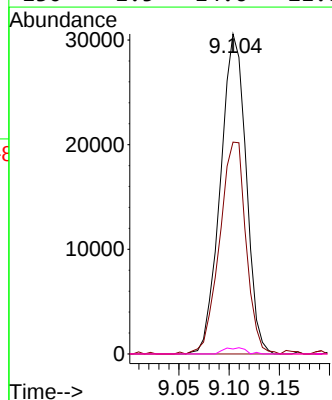
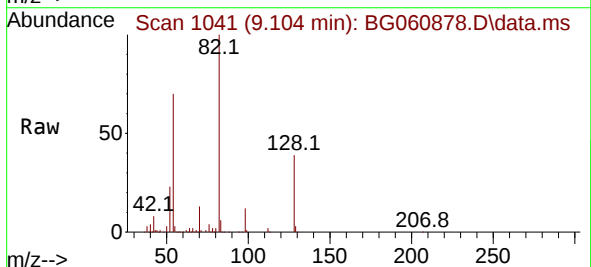
Instrument :
BNA_G
ClientSampleId :
TP-5

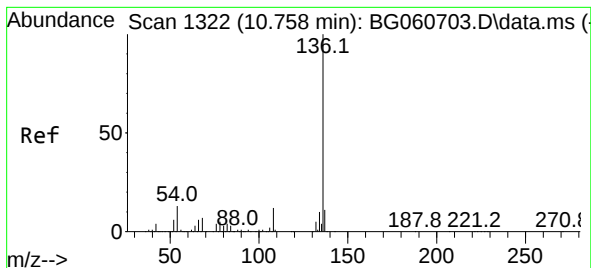
Tgt Ion: 99 Resp: 487678
Ion Ratio Lower Upper
99 100
42 27.7 19.4 29.2
71 37.8 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.501 ng
RT: 9.104 min Scan# 1041
Delta R.T. 0.338 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

Tgt Ion: 70 Resp: 54305
Ion Ratio Lower Upper
70 100
42 66.2 68.4 102.6#
101 0.0 6.1 9.1#
130 1.5 14.6 21.8#



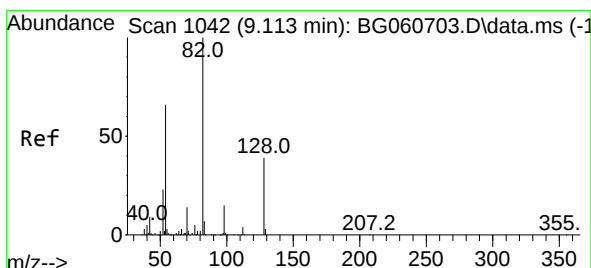
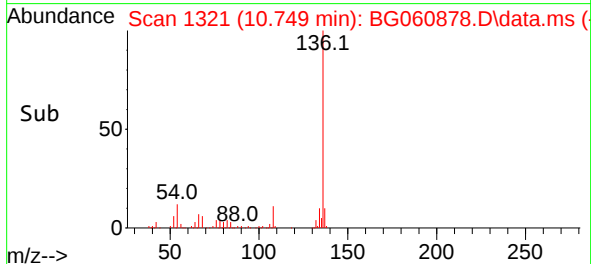
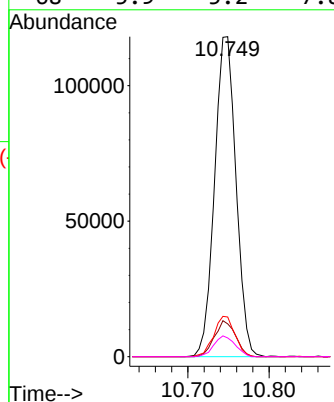
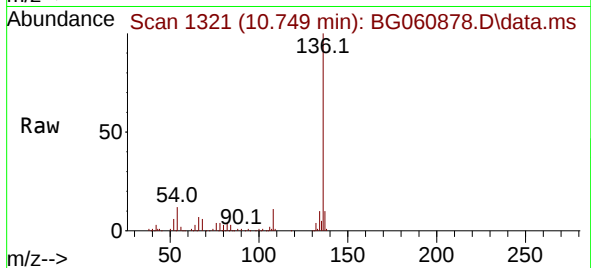


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion:136 Resp: 216578

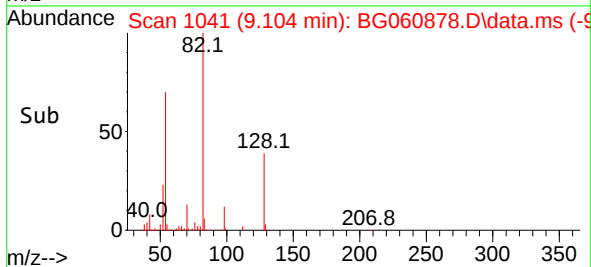
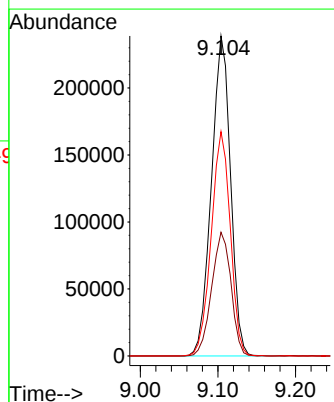
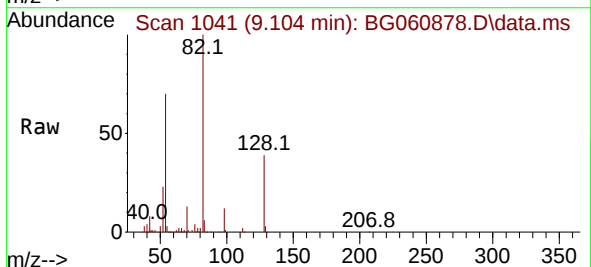
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.8	13.2
54	12.4	10.2	15.2
68	5.9	5.2	7.8

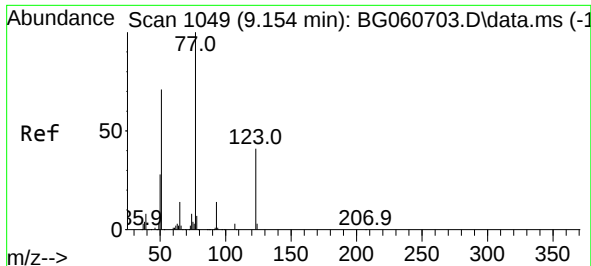


#23
Nitrobenzene-d5
Concen: 107.731 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

Tgt Ion: 82 Resp: 408896

Ion	Ratio	Lower	Upper
82	100		
128	38.7	31.2	46.8
54	70.1	53.2	79.8

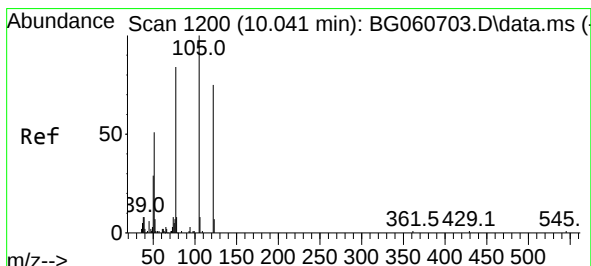
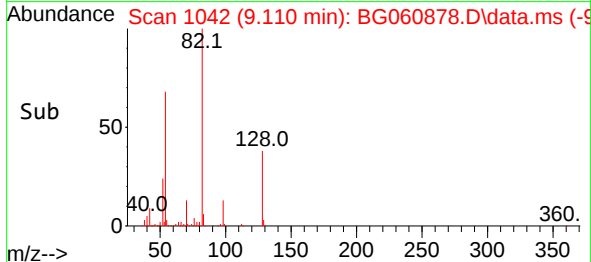
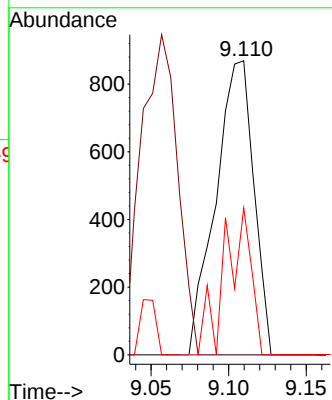
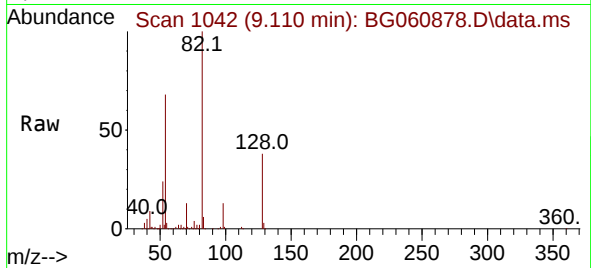




#24
Nitrobenzene
Concen: 3.104 ng
RT: 9.110 min Scan# 1049
Delta R.T. -0.044 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

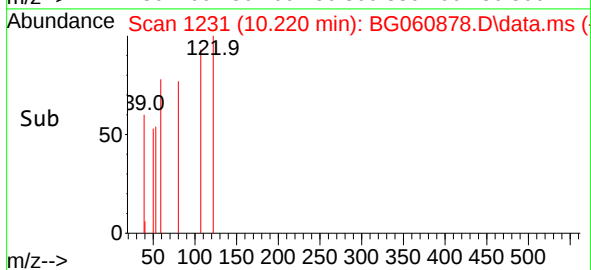
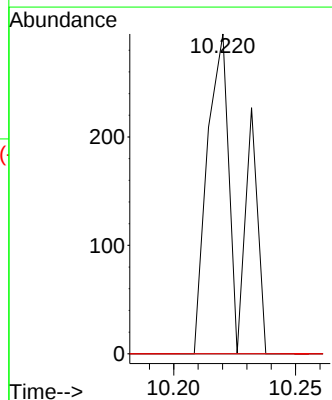
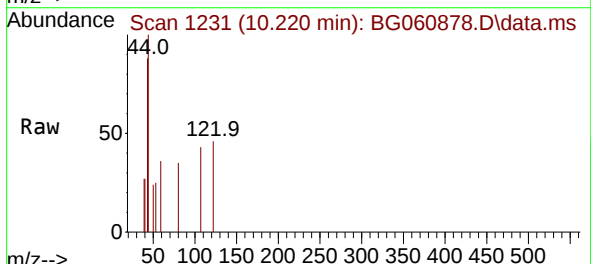
Instrument :
BNA_G
ClientSampleId :
TP-5

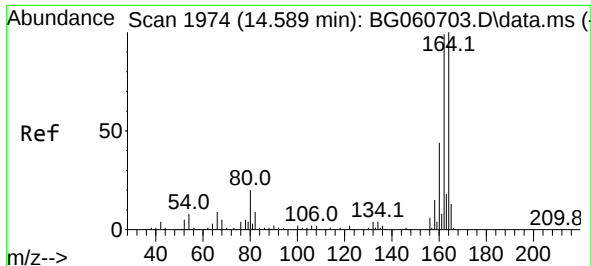
Tgt Ion: 77 Resp: 1484
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 49.9 11.3 16.9#



#32
Benzoic acid
Concen: 6.931 ng
RT: 10.220 min Scan# 1231
Delta R.T. 0.179 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

Tgt Ion: 122 Resp: 258
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.580 min Scan# 1974

Delta R.T. -0.009 min

Lab File: BG060878.D

Acq: 12 Apr 2024 17:42

Instrument :

BNA_G

ClientSampleId :

TP-5

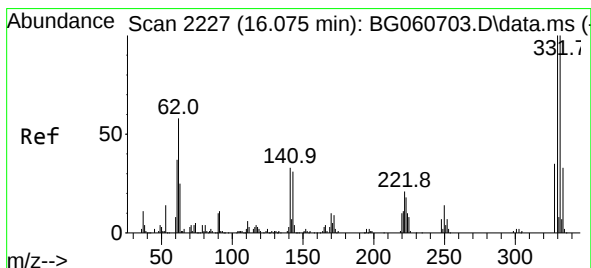
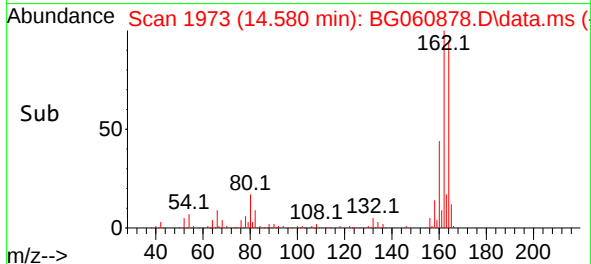
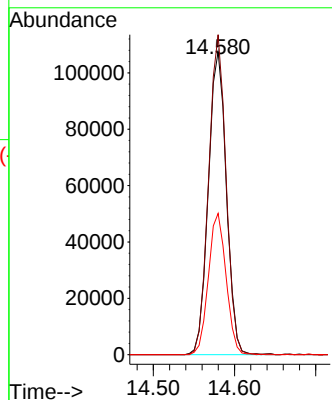
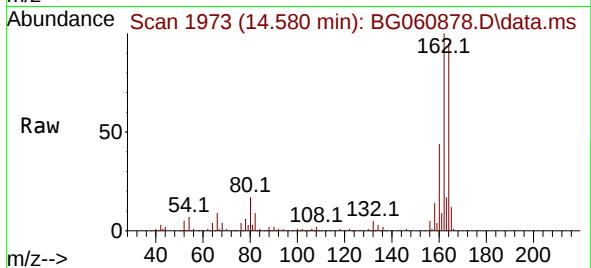
Tgt Ion:164 Resp: 165218

Ion Ratio Lower Upper

164 100

162 105.6 79.5 119.3

160 46.6 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 178.410 ng

RT: 16.072 min Scan# 2227

Delta R.T. -0.003 min

Lab File: BG060878.D

Acq: 12 Apr 2024 17:42

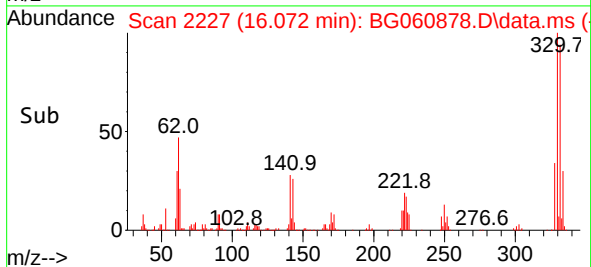
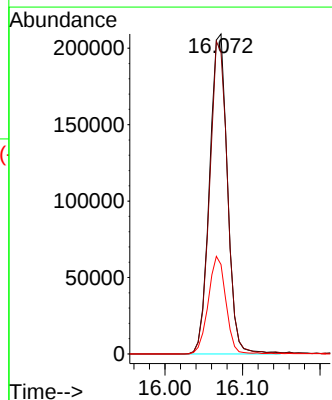
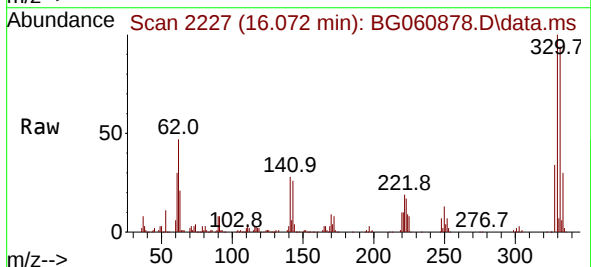
Tgt Ion:330 Resp: 334606

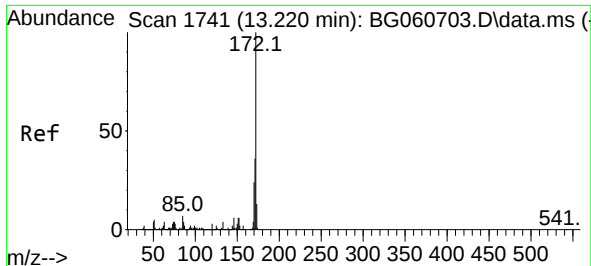
Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.4

141 30.1 27.0 40.6

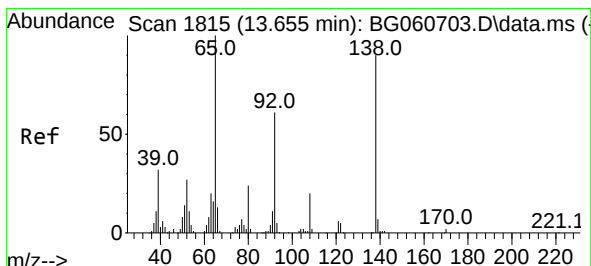
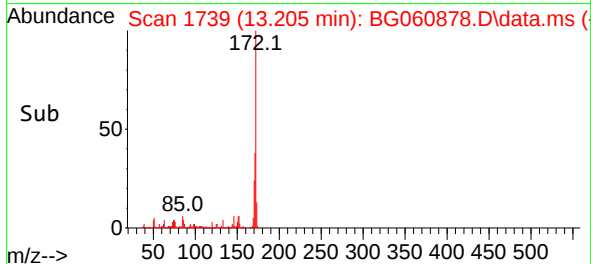
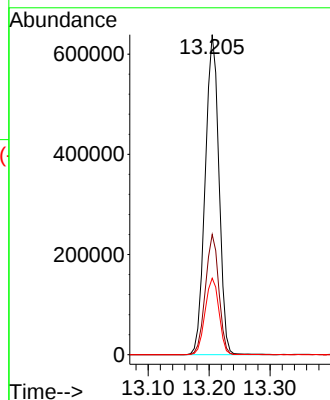
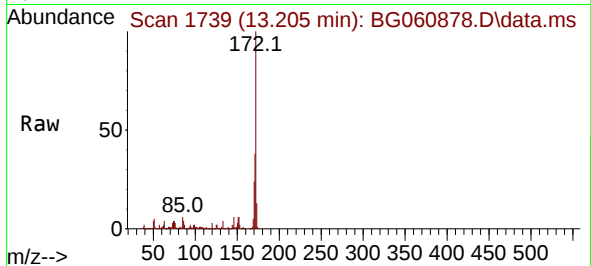




#45
2-Fluorobiphenyl
Concen: 89.044 ng
RT: 13.205 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

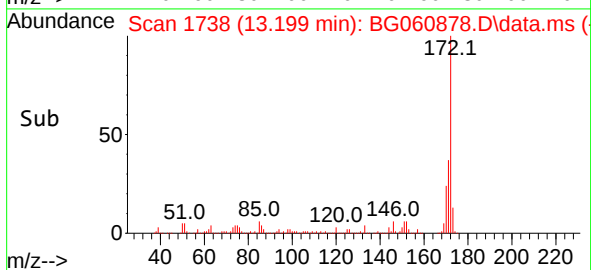
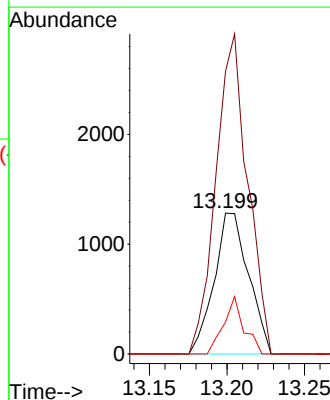
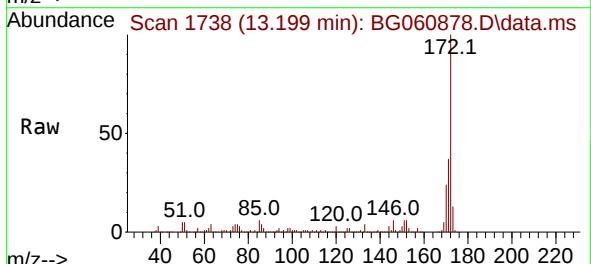
Instrument :
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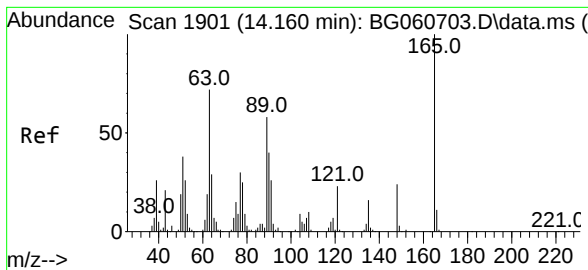
Tgt Ion:172 Resp: 1002412
Ion Ratio Lower Upper
172 100
171 37.6 28.7 43.1
170 23.9 19.4 29.0



#48
2-Nitroaniline
Concen: 3.517 ng
RT: 13.199 min Scan# 1738
Delta R.T. -0.456 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

Tgt Ion: 65 Resp: 1977
Ion Ratio Lower Upper
65 100
92 200.5 48.6 72.8#
138 22.5 72.2 108.4#

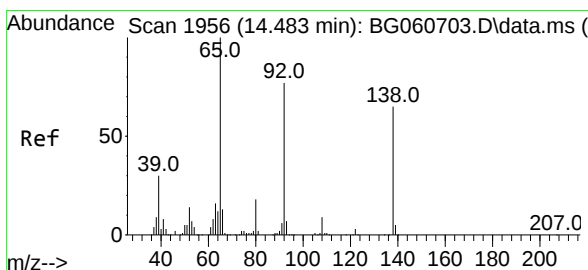
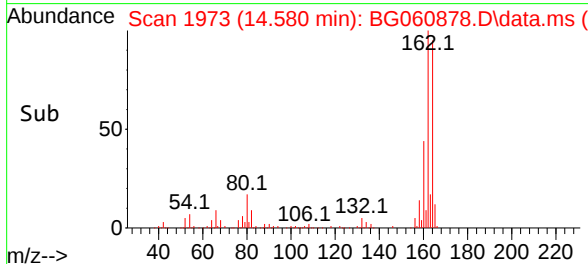
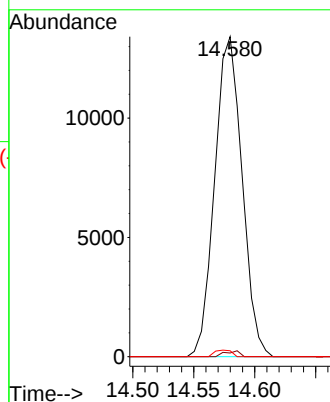
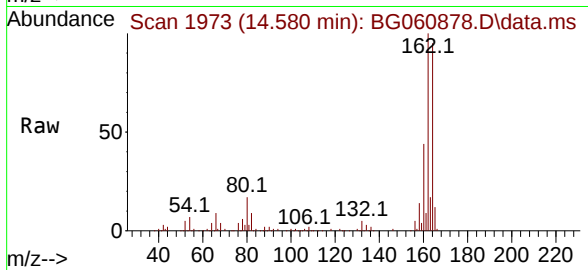




#51
2,6-Dinitrotoluene
Concen: 11.799 ng
RT: 14.580 min Scan# 1914
Delta R.T. 0.420 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

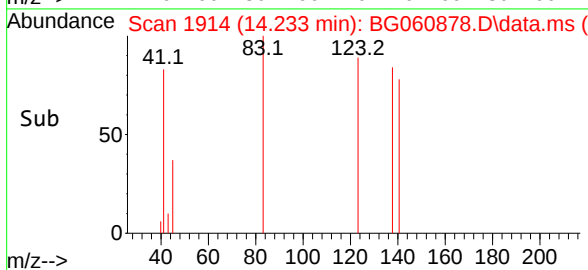
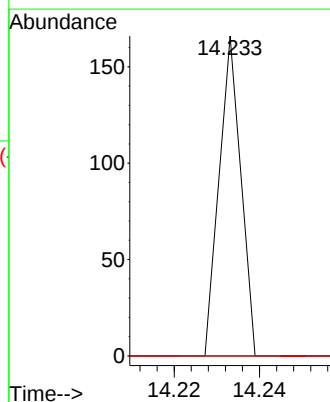
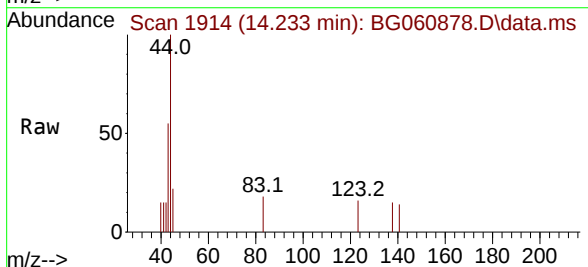
Instrument :
BNA_G
ClientSampleId :
TP-5

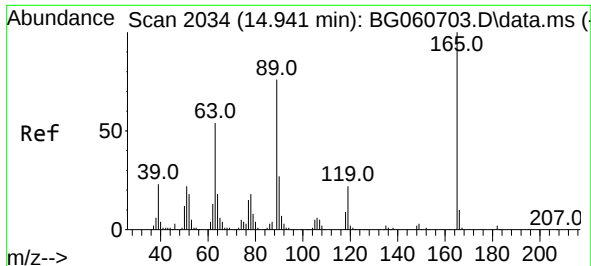
Tgt Ion:165 Resp: 20944
Ion Ratio Lower Upper
165 100
63 1.1 58.2 87.4#
89 1.8 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.873 ng
RT: 14.233 min Scan# 1914
Delta R.T. -0.250 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

Tgt Ion:138 Resp: 59
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#





#57

2,4-Dinitrotoluene

Concen: 9.938 ng

RT: 14.580 min Scan# 1973

Delta R.T. -0.361 min

Lab File: BG060878.D

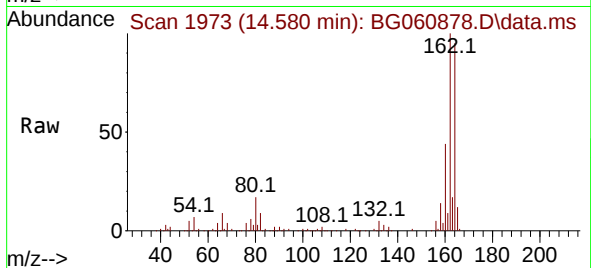
Acq: 12 Apr 2024 17:42

Instrument :

BNA_G

ClientSampleId :

TP-5



Tgt Ion:165 Resp: 20944

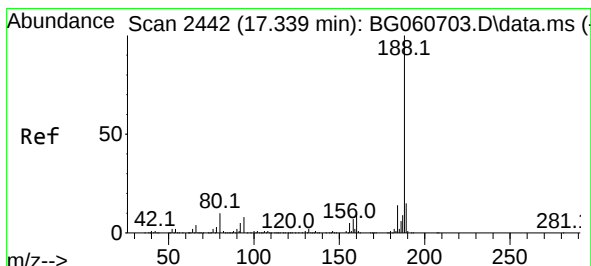
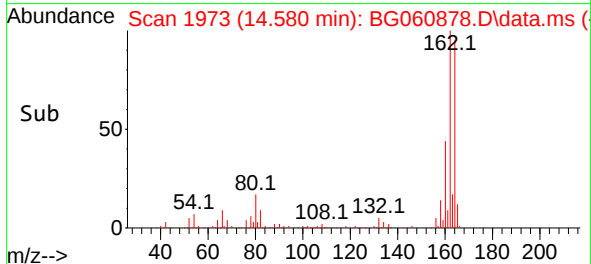
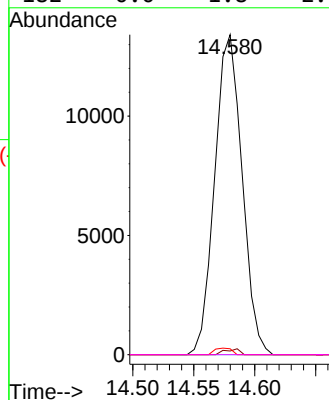
Ion Ratio Lower Upper

165 100

63 1.1 43.4 65.0#

89 1.8 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.329 min Scan# 2441

Delta R.T. -0.009 min

Lab File: BG060878.D

Acq: 12 Apr 2024 17:42

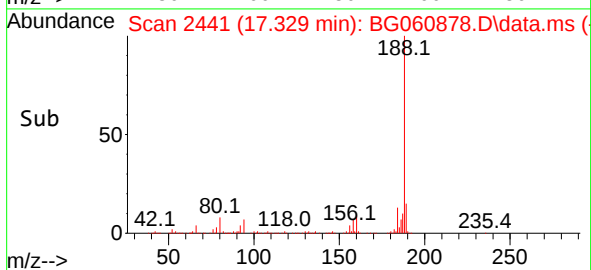
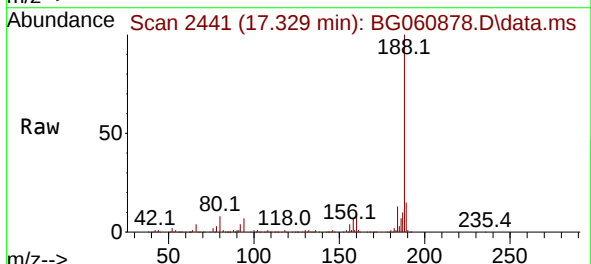
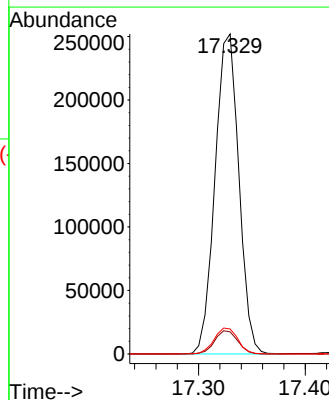
Tgt Ion:188 Resp: 390407

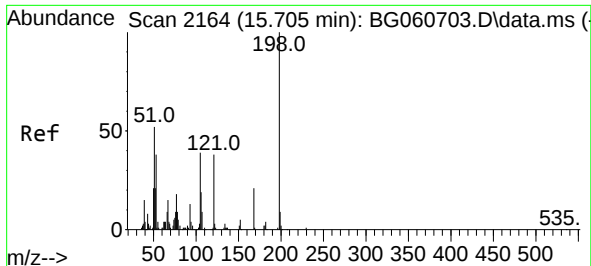
Ion Ratio Lower Upper

188 100

94 6.9 6.6 9.8

80 7.8 7.6 11.4

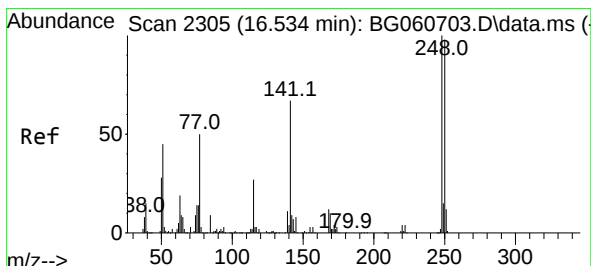
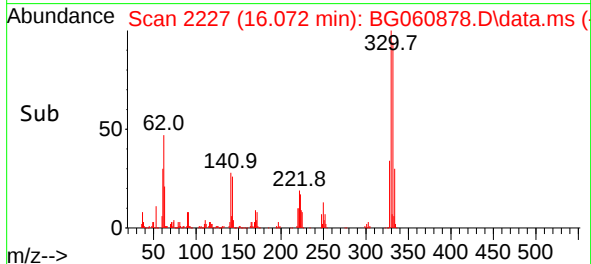
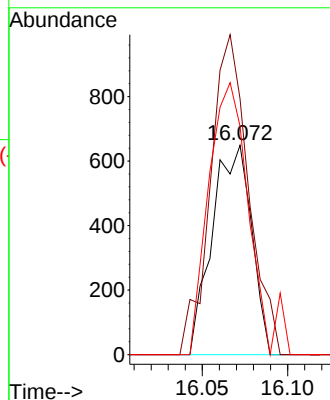
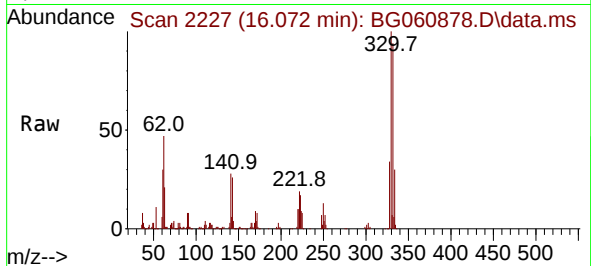




#65
4,6-Dinitro-2-methylphenol
Concen: 7.582 ng
RT: 16.072 min Scan# 2164
Delta R.T. 0.367 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

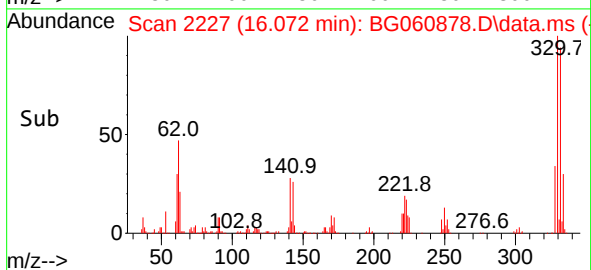
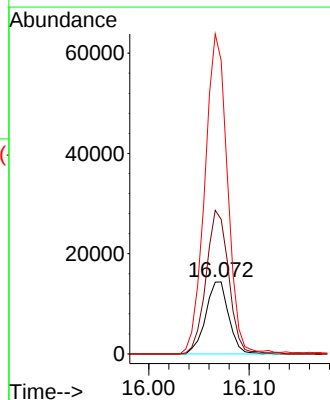
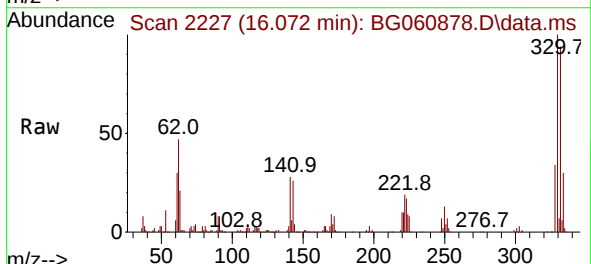
Instrument :
BNA_G
ClientSampleId :
TP-5

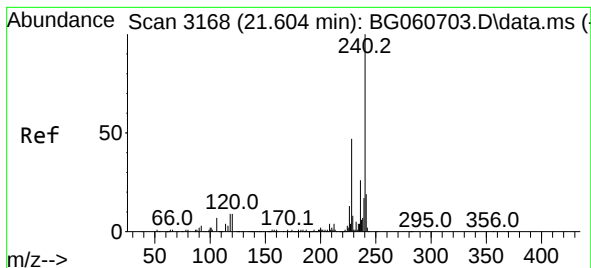
Tgt Ion:198 Resp: 1035
Ion Ratio Lower Upper
198 100
51 122.2 36.7 76.7#
105 109.1 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 5.793 ng
RT: 16.072 min Scan# 2227
Delta R.T. -0.462 min
Lab File: BG060878.D
Acq: 12 Apr 2024 17:42

Tgt Ion:248 Resp: 22954
Ion Ratio Lower Upper
248 100
250 187.3 78.3 117.5#
141 407.7 53.7 80.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.589 min Scan# 3166

Delta R.T. -0.015 min

Lab File: BG060878.D

Acq: 12 Apr 2024 17:42

Instrument :

BNA_G

ClientSampleId :

TP-5

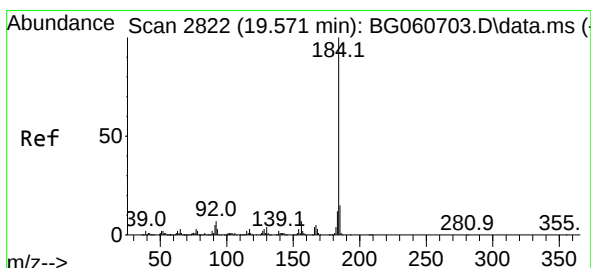
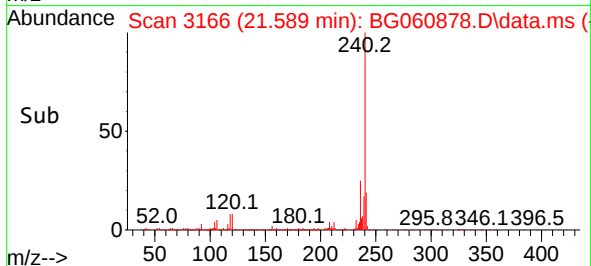
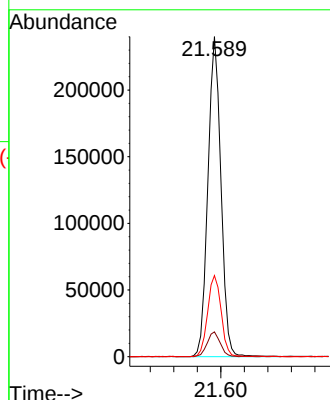
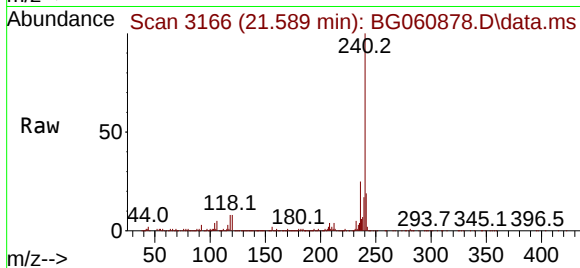
Tgt Ion:240 Resp: 368406

Ion Ratio Lower Upper

240 100

120 7.7 7.1 10.7

236 25.4 20.7 31.1



#77

Benzidine

Concen: 3.025 ng

RT: 19.950 min Scan# 2887

Delta R.T. 0.379 min

Lab File: BG060878.D

Acq: 12 Apr 2024 17:42

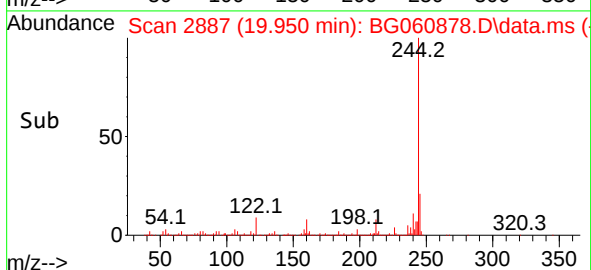
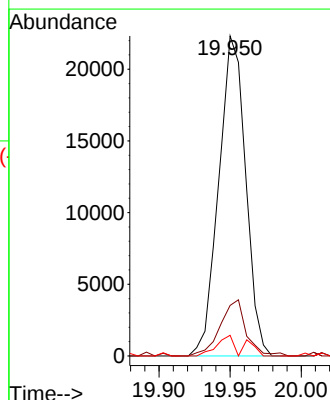
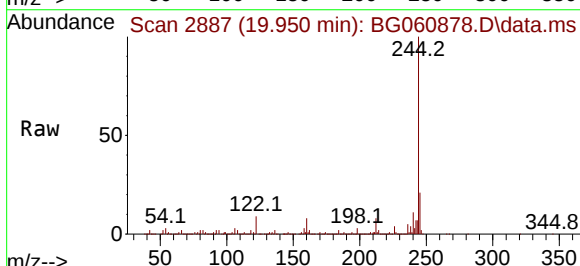
Tgt Ion:184 Resp: 29341

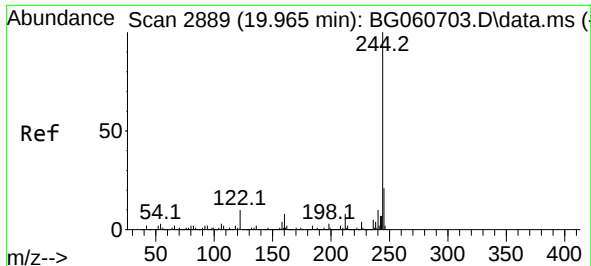
Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.6

183 6.5 9.5 14.3#

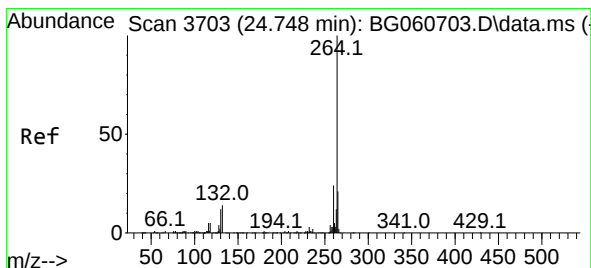
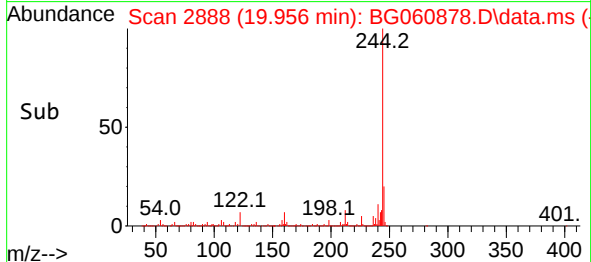
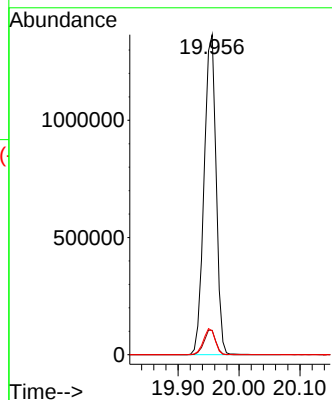
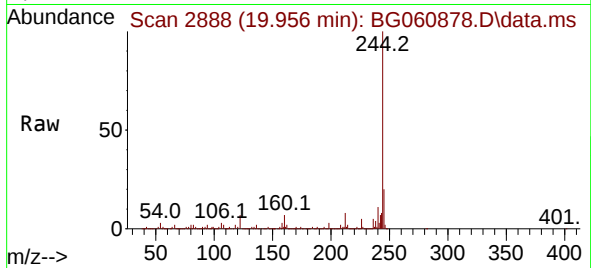




#79
 Terphenyl-d14
 Concen: 89.383 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG060878.D
 Acq: 12 Apr 2024 17:42

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Tgt Ion:244 Resp: 1870092
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 7.5 7.8 11.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.733 min Scan# 3701
 Delta R.T. -0.015 min
 Lab File: BG060878.D
 Acq: 12 Apr 2024 17:42

Tgt Ion:264 Resp: 411315
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 21.8 16.9 25.3

