

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040324\
 Data File : BG060761.D
 Acq On : 3 Apr 2024 14:05
 Operator : MA/JU
 Sample : P1960-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20071

Quant Time: Apr 03 14:41:30 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)

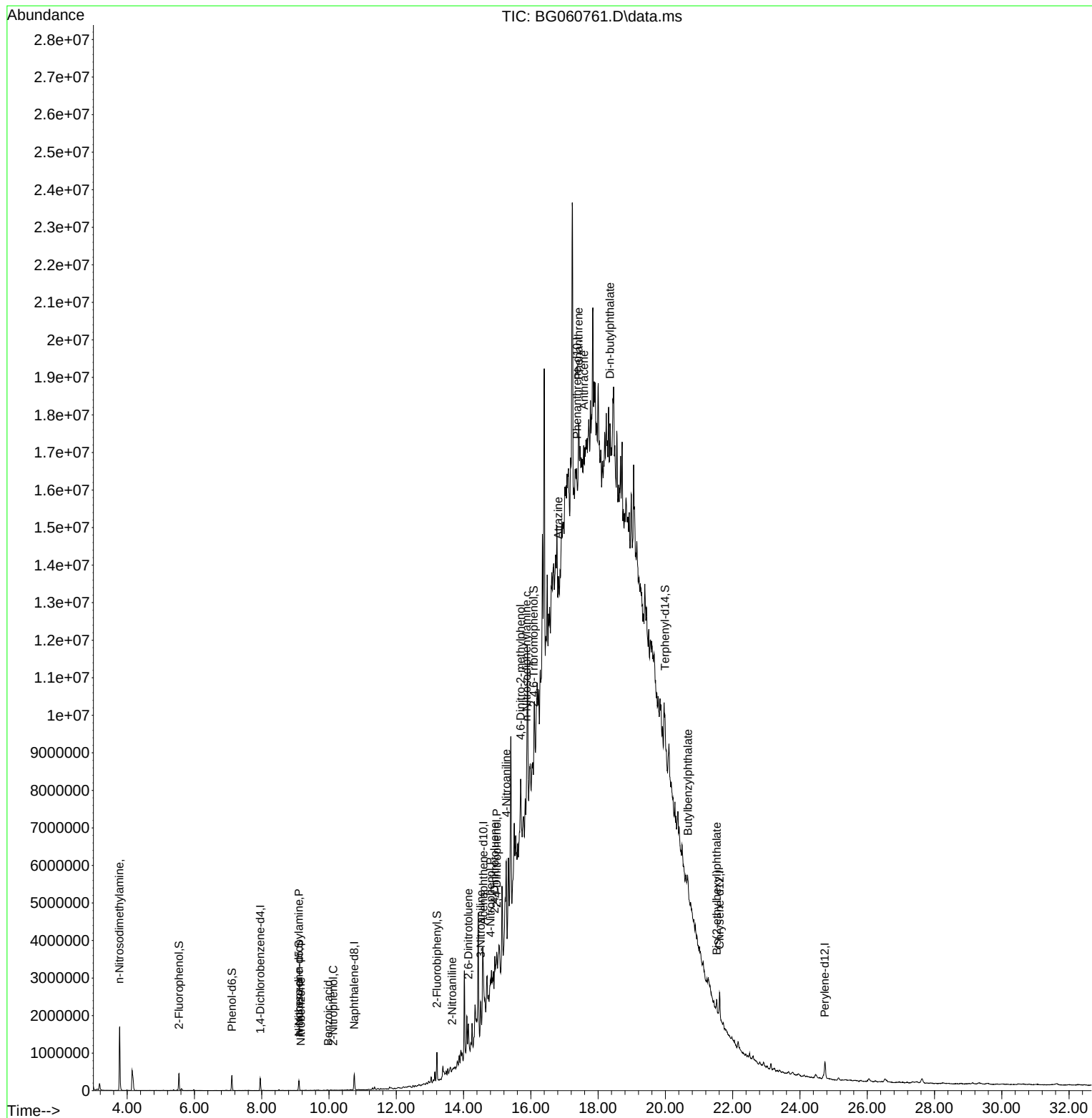
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	84598	20.000	ng	0.00
21) Naphthalene-d8	10.753	136	333410	20.000	ng	0.00
39) Acenaphthene-d10	14.589	164	215033	20.000	ng	0.00
64) Phenanthrene-d10	17.374	188	338072	20.000	ng	# 0.04
76) Chrysene-d12	21.616	240	389195	20.000	ng	0.01
86) Perylene-d12	24.742	264	494830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.541	112	190549	37.523	ng	0.00
7) Phenol-d6	7.116	99	201949	26.791	ng	0.00
23) Nitrobenzene-d5	9.107	82	139854	23.935	ng	0.00
42) 2,4,6-Tribromophenol	16.088	330	80865	33.128	ng	0.01
45) 2-Fluorobiphenyl	13.209	172	346686	23.662	ng	-0.01
79) Terphenyl-d14	19.989	244	426876	19.313	ng	0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.773	42	81734	21.772	ng	# 2
19) n-Nitroso-di-n-propyla...	9.107	70	19984	3.476	ng	# 78
24) Nitrobenzene	9.166	77	165	2.797	ng	# 42
26) 2-Nitrophenol	10.124	139	85	3.001	ng	# 4
32) Benzoic acid	9.977	122	146	6.871	ng	# 76
48) 2-Nitroaniline	13.661	65	1269	3.149	ng	# 62
51) 2,6-Dinitrotoluene	14.143	165	31981	13.238	ng	# 28
53) 3-Nitroaniline	14.513	138	31527	11.734	ng	# 15
54) 2,4-Dinitrophenol	14.989	184	3565	3.013	ng	# 1
56) 4-Nitrophenol	14.807	139	10293	4.143	ng	# 1
57) 2,4-Dinitrotoluene	14.924	165	4760	4.419	ng	# 59
62) 4-Nitroaniline	15.271	138	30072	9.677	ng	99
65) 4,6-Dinitro-2-methylph...	15.694	198	9633	12.927	ng	# 1
66) n-Nitrosodiphenylamine	15.876	169	222959	23.079	ng	# 39
69) Atrazine	16.816	200	7002	2.073	ng	# 1
71) Phenanthrene	17.421	178	51285	2.917	ng	# 1
72) Anthracene	17.580	178	79568	4.456	ng	# 1
74) Di-n-butylphthalate	18.355	149	106165	5.409	ng	# 41
80) Butylbenzylphthalate	20.670	149	30873	3.109	ng	# 23
84) Bis(2-ethylhexyl)phtha...	21.528	149	53917	3.407	ng	# 79

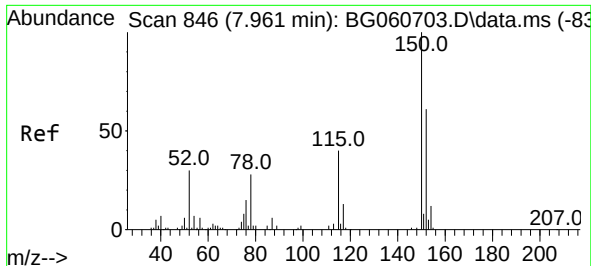
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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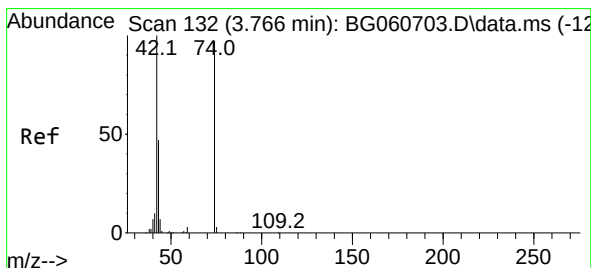
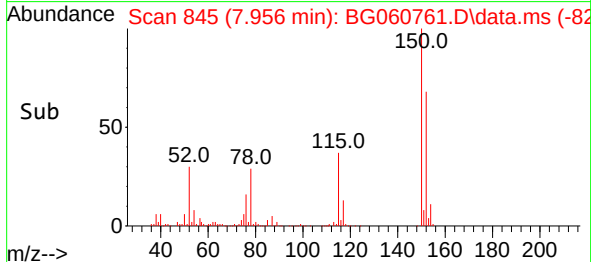
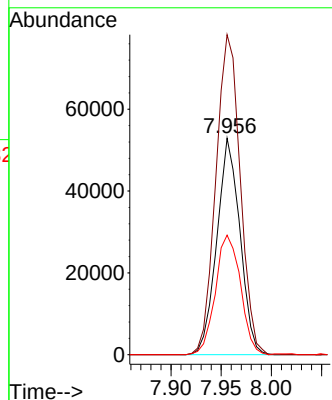
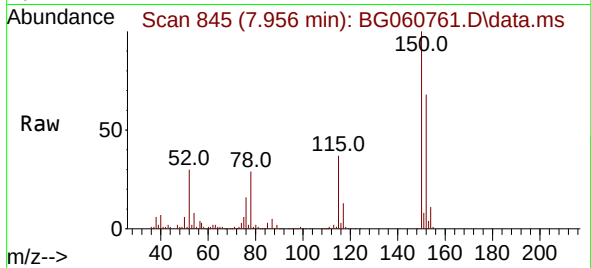




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.956 min Scan# 84
 Delta R.T. -0.005 min
 Lab File: BG060761.D
 Acq: 3 Apr 2024 14:05

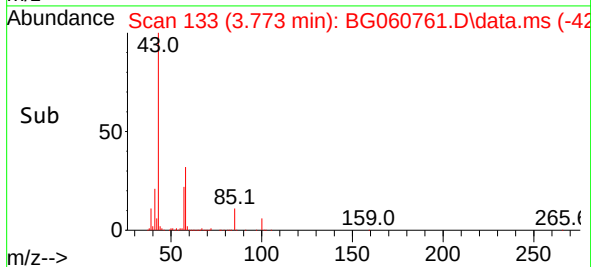
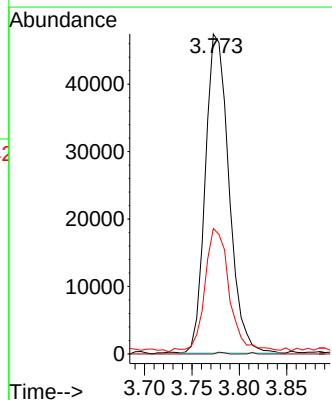
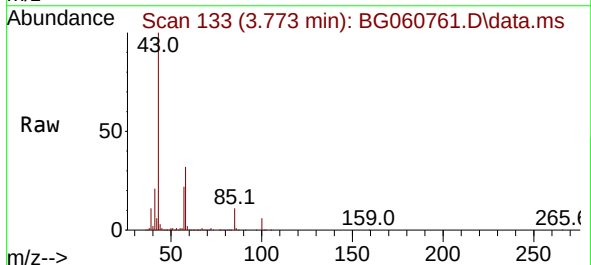
Instrument :
 BNA_G
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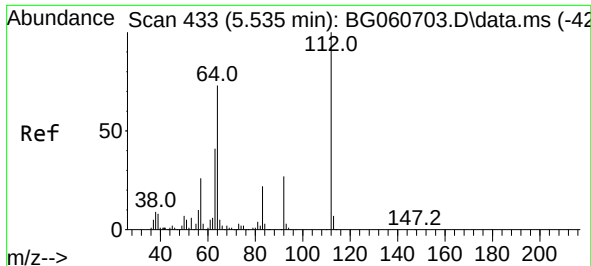
Tgt Ion:152 Resp: 84598
 Ion Ratio Lower Upper
 152 100
 150 147.8 130.2 195.4
 115 55.2 51.6 77.4



#4
 n-Nitrosodimethylamine
 Concen: 21.772 ng
 RT: 3.773 min Scan# 133
 Delta R.T. 0.006 min
 Lab File: BG060761.D
 Acq: 3 Apr 2024 14:05

Tgt Ion: 42 Resp: 81734
 Ion Ratio Lower Upper
 42 100
 74 0.0 77.8 116.8#
 44 39.2 6.8 10.2#

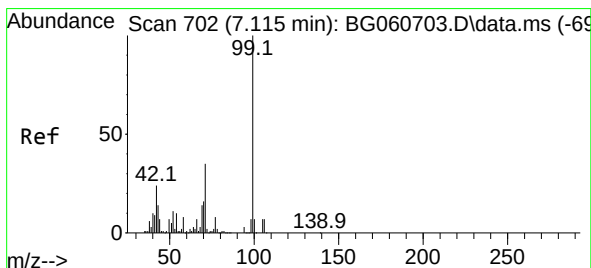
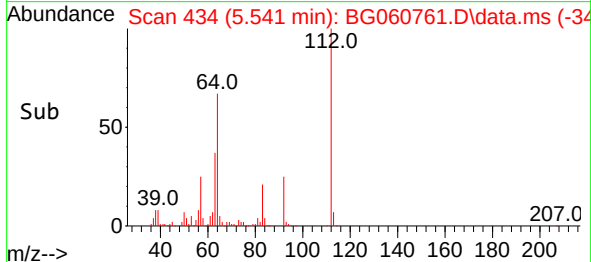
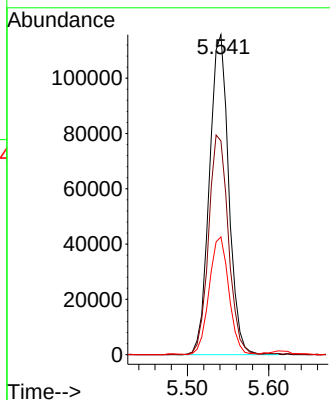
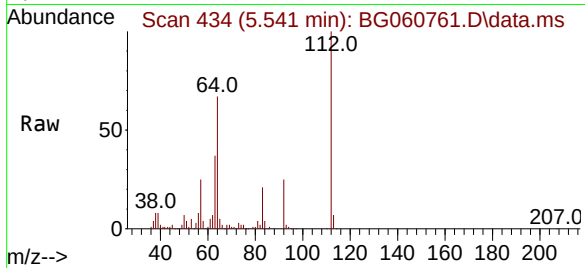




#5
2-Fluorophenol
Concen: 37.523 ng
RT: 5.541 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

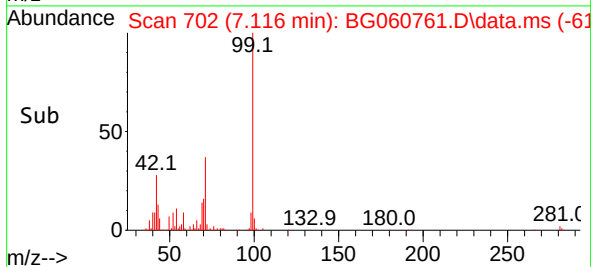
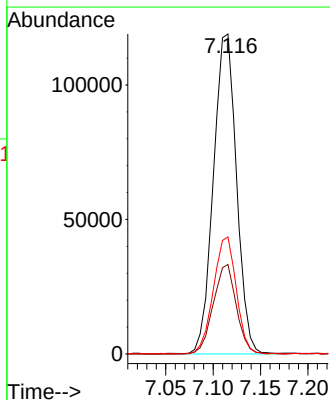
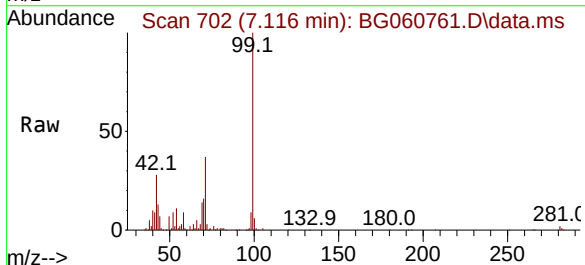
Instrument :
BNA_G
ClientSampleId :
20071

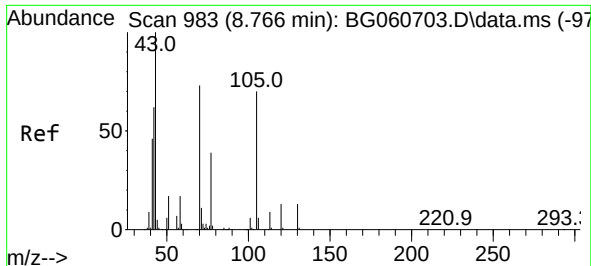
Tgt Ion:112 Resp: 190549
Ion Ratio Lower Upper
112 100
64 66.8 58.4 87.6
63 36.8 32.7 49.1



#7
Phenol-d6
Concen: 26.791 ng
RT: 7.116 min Scan# 702
Delta R.T. 0.000 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

Tgt Ion: 99 Resp: 201949
Ion Ratio Lower Upper
99 100
42 27.9 19.4 29.2
71 36.5 28.2 42.2

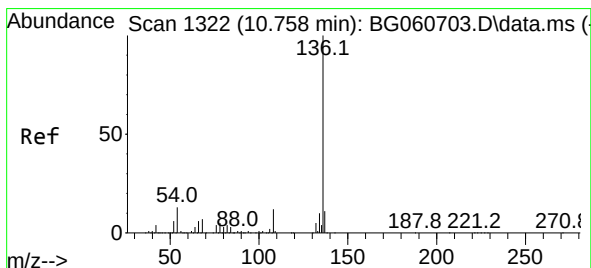
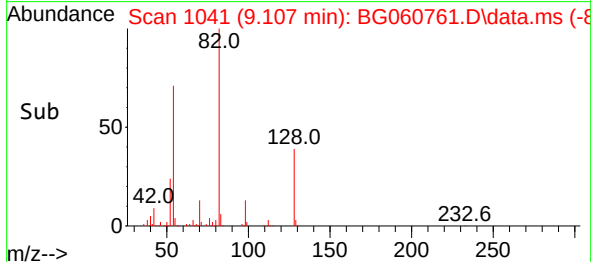
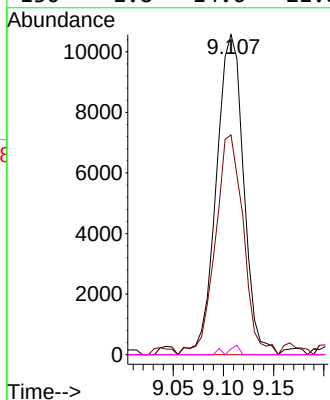
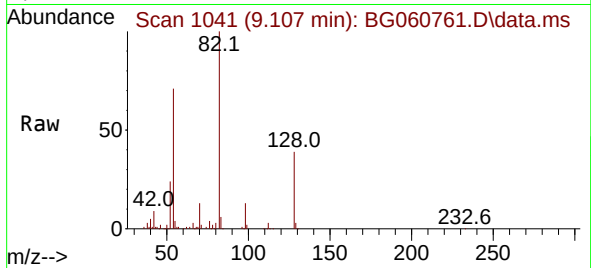




#19
n-Nitroso-di-n-propylamine
Concen: 3.476 ng
RT: 9.107 min Scan# 1041
Delta R.T. 0.341 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

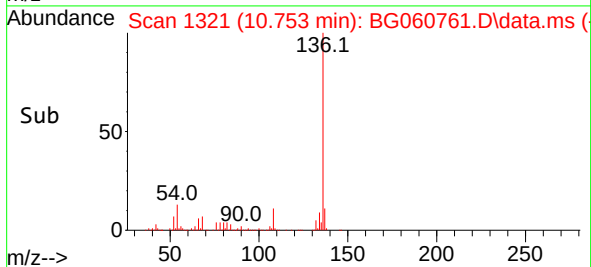
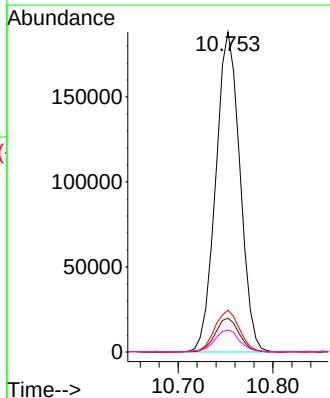
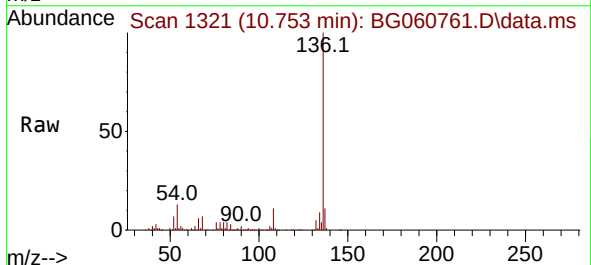
Instrument :
BNA_G
ClientSampleId :
20071

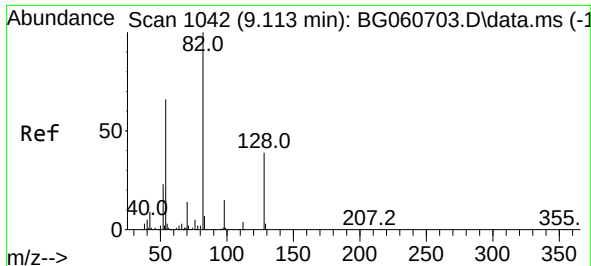
Tgt Ion: 70 Resp: 19984
Ion Ratio Lower Upper
70 100
42 68.7 68.4 102.6
101 0.0 6.1 9.1#
130 1.8 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.753 min Scan# 1321
Delta R.T. -0.005 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

Tgt Ion:136 Resp: 333410
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 13.1 10.2 15.2
68 6.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 23.935 ng

RT: 9.107 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

Instrument :

BNA_G

ClientSampleId :

20071

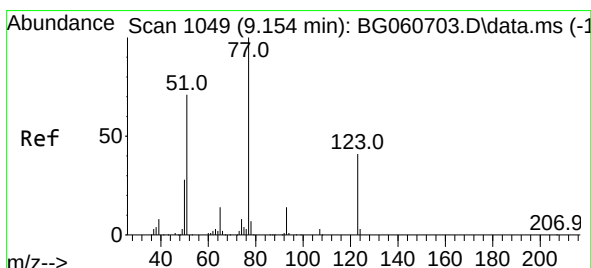
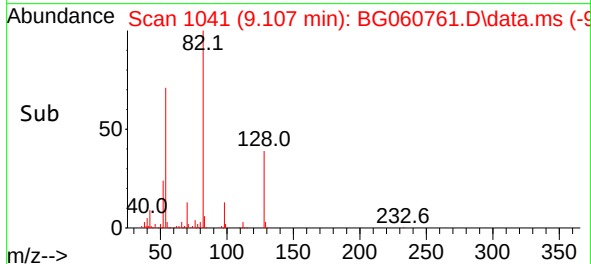
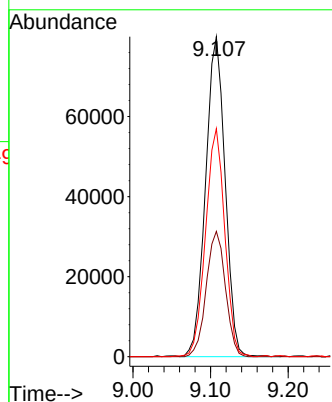
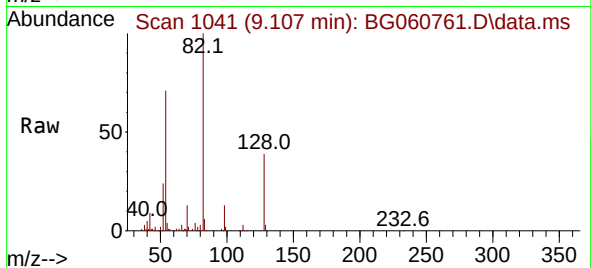
Tgt Ion: 82 Resp: 139854

Ion Ratio Lower Upper

82 100

128 39.1 31.2 46.8

54 71.3 53.2 79.8



#24

Nitrobenzene

Concen: 2.797 ng

RT: 9.166 min Scan# 1051

Delta R.T. 0.012 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

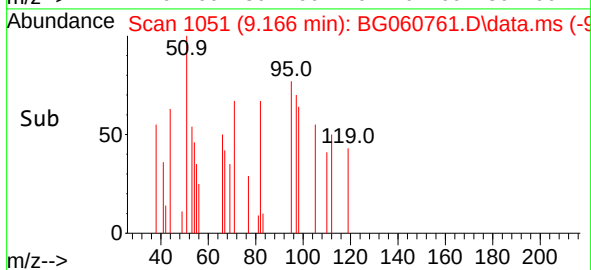
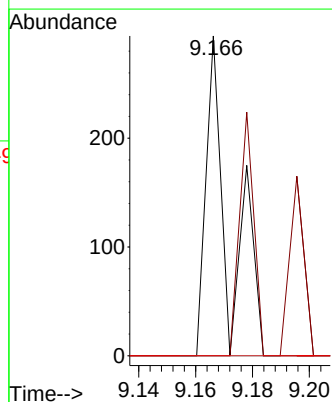
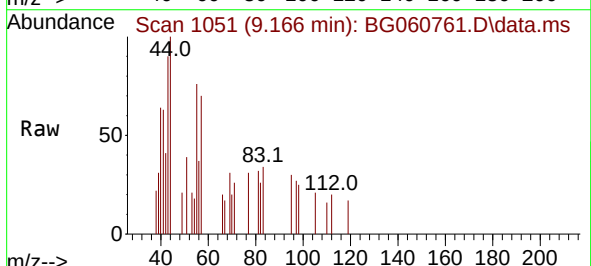
Tgt Ion: 77 Resp: 165

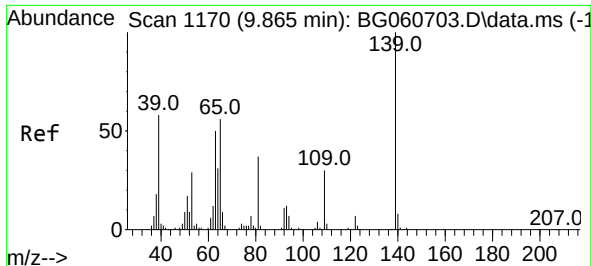
Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 0.0 11.3 16.9#

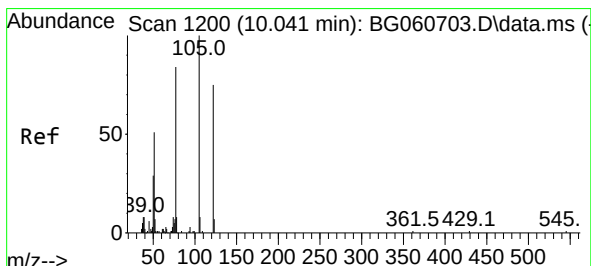
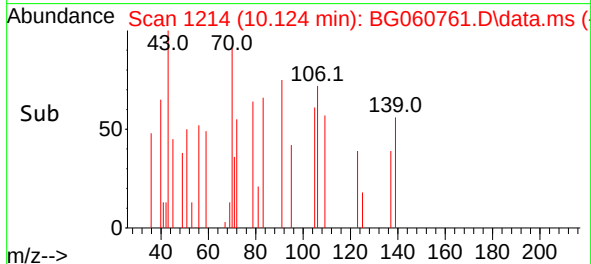
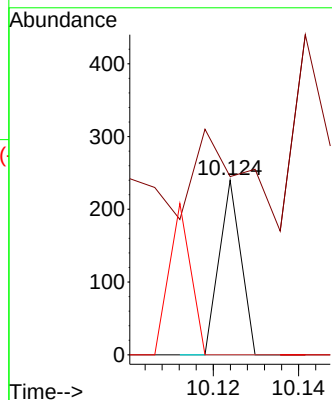
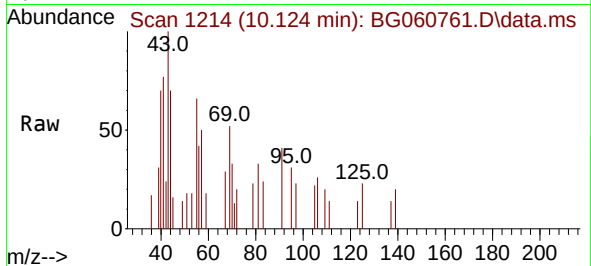




#26
2-Nitrophenol
Concen: 3.001 ng
RT: 10.124 min Scan# 1189
Delta R.T. 0.259 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

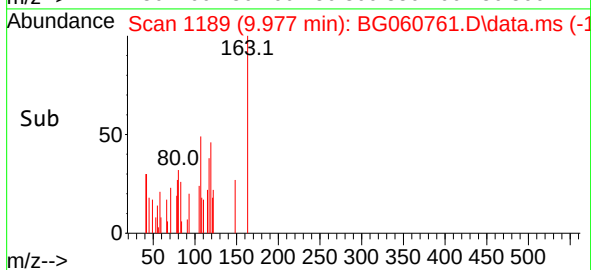
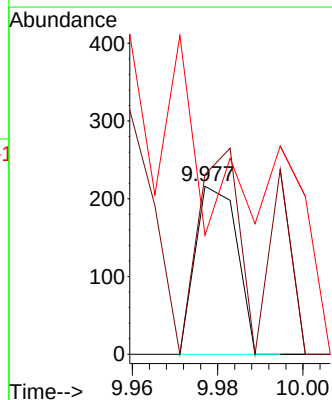
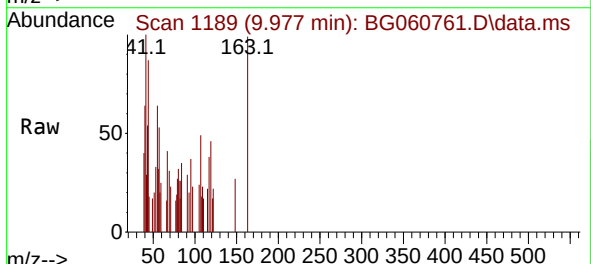
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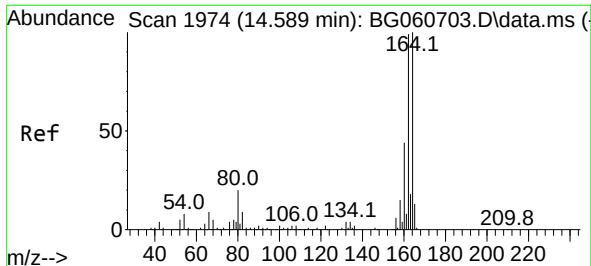
Tgt Ion:139 Resp: 85
Ion Ratio Lower Upper
139 100
109 102.1 23.9 35.9#
65 0.0 44.5 66.7#



#32
Benzoic acid
Concen: 6.871 ng
RT: 9.977 min Scan# 1189
Delta R.T. -0.064 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

Tgt Ion:122 Resp: 146
Ion Ratio Lower Upper
122 100
105 106.9 104.5 144.5
77 70.8 85.3 125.3#

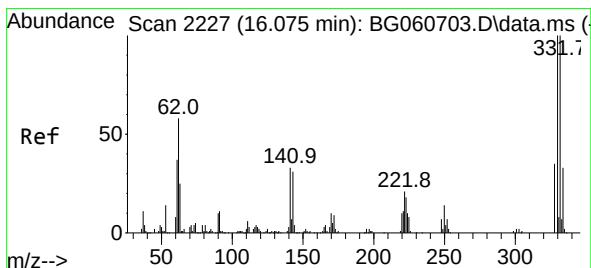
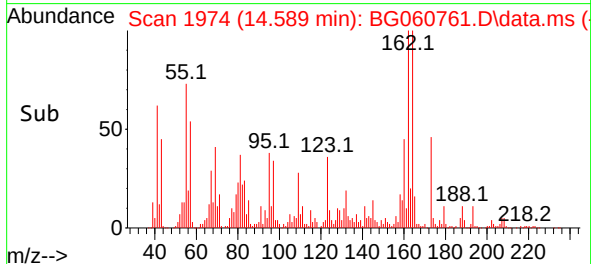
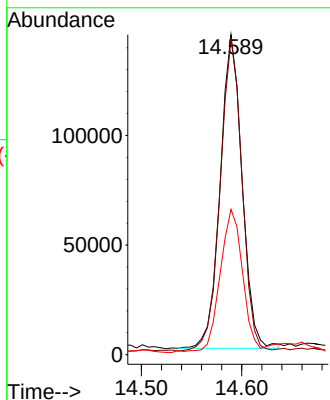
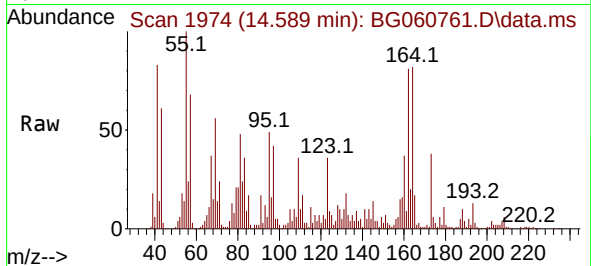




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

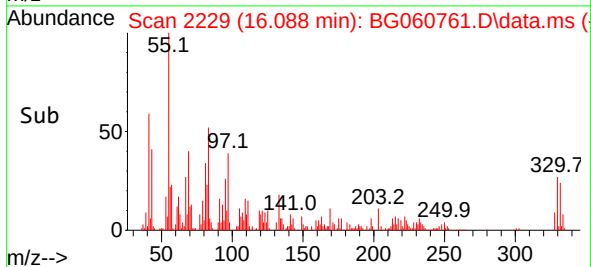
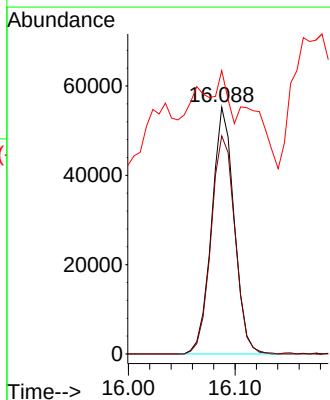
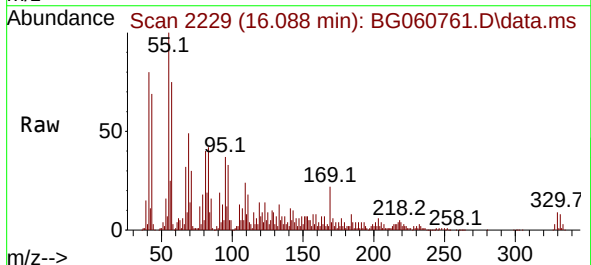
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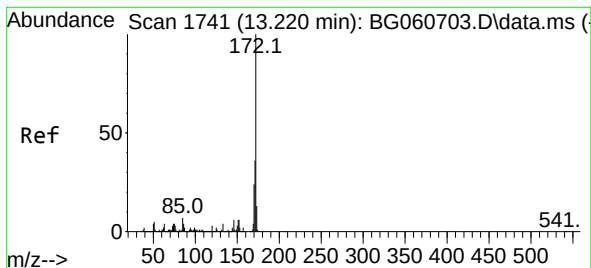
Tgt Ion:164 Resp: 215033
Ion Ratio Lower Upper
164 100
162 98.7 79.5 119.3
160 45.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 33.128 ng
RT: 16.088 min Scan# 2229
Delta R.T. 0.012 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

Tgt Ion:330 Resp: 80865
Ion Ratio Lower Upper
330 100
332 93.5 78.2 117.4
141 0.0 27.0 40.6#





#45

2-Fluorobiphenyl

Concen: 23.662 ng

RT: 13.209 min Scan# 1

Delta R.T. -0.011 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

Instrument :

BNA_G

ClientSampleId :

20071

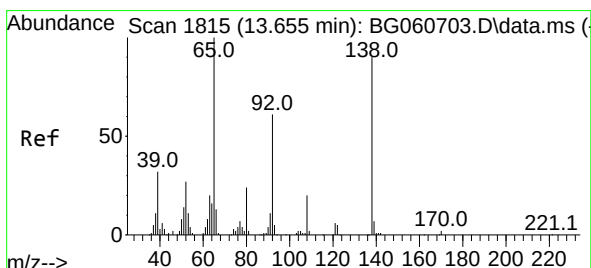
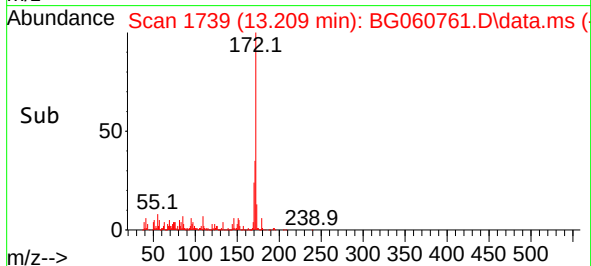
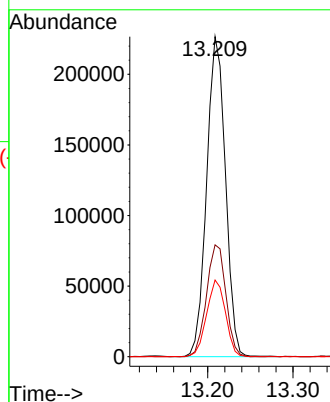
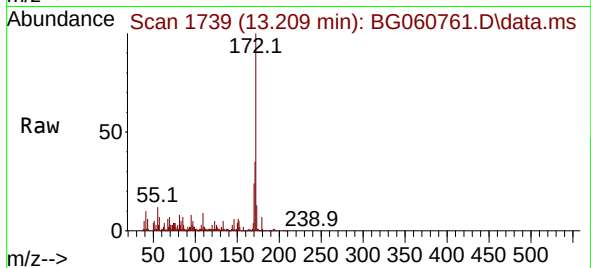
Tgt Ion:172 Resp: 346686

Ion Ratio Lower Upper

172 100

171 34.9 28.7 43.1

170 23.9 19.4 29.0



#48

2-Nitroaniline

Concen: 3.149 ng

RT: 13.661 min Scan# 1816

Delta R.T. 0.006 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

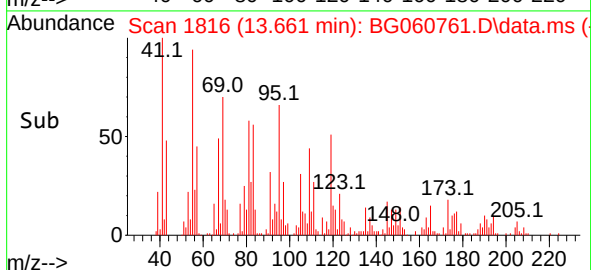
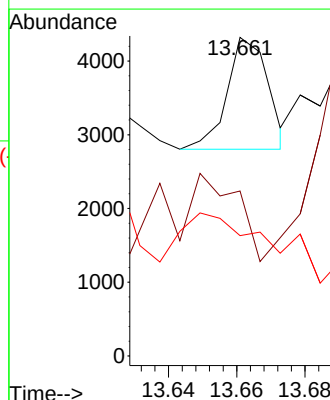
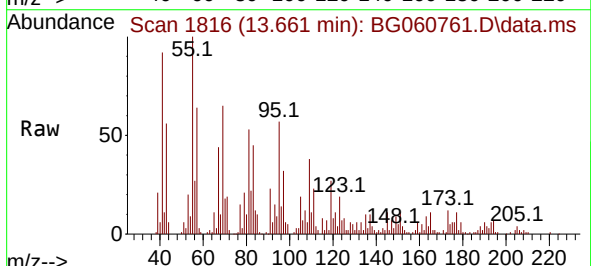
Tgt Ion: 65 Resp: 1269

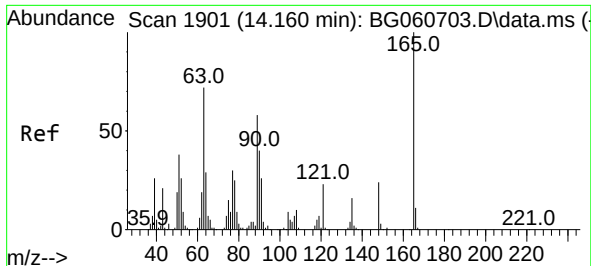
Ion Ratio Lower Upper

65 100

92 51.8 48.6 72.8

138 37.8 72.2 108.4#





#51

2,6-Dinitrotoluene

Concen: 13.238 ng

RT: 14.143 min Scan# 1

Delta R.T. -0.017 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

Instrument :

BNA_G

ClientSampleId :

20071

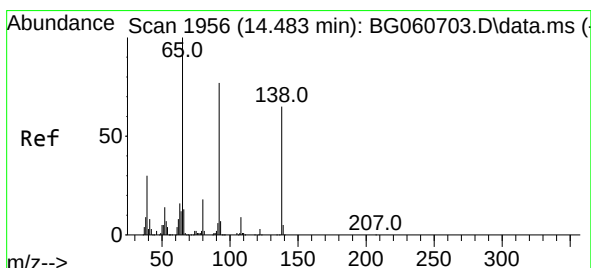
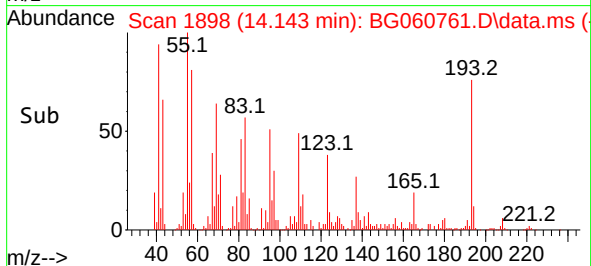
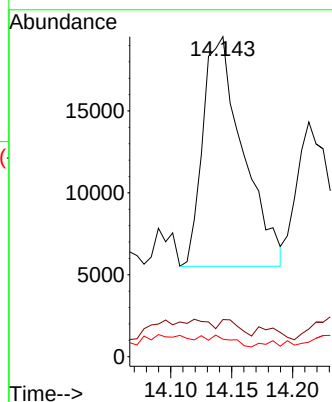
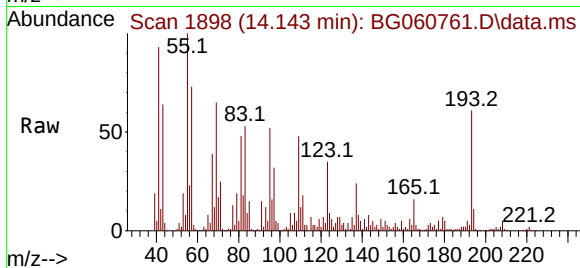
Tgt Ion:165 Resp: 31981

Ion Ratio Lower Upper

165 100

63 11.6 58.2 87.4#

89 5.5 46.1 69.1#



#53

3-Nitroaniline

Concen: 11.734 ng

RT: 14.513 min Scan# 1961

Delta R.T. 0.030 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

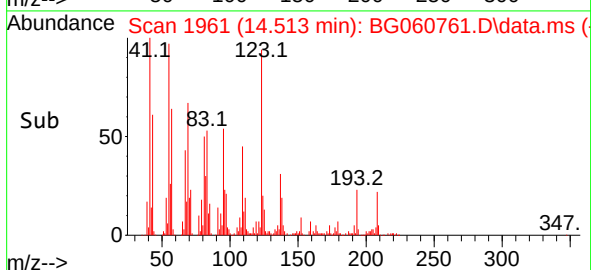
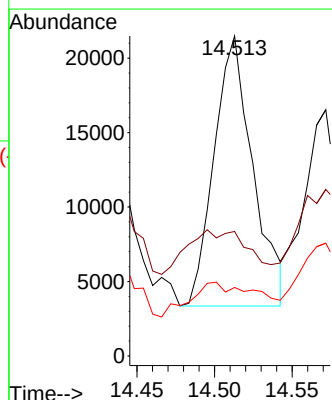
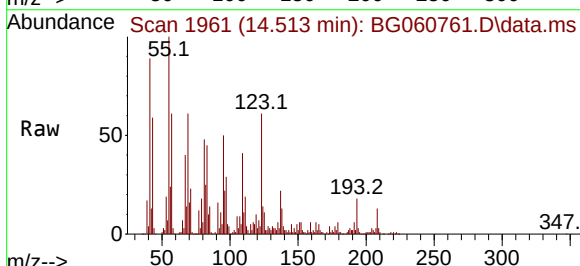
Tgt Ion:138 Resp: 31527

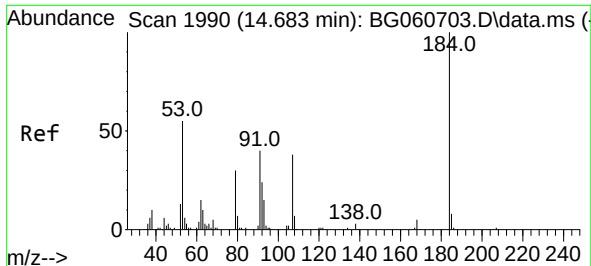
Ion Ratio Lower Upper

138 100

108 38.9 11.3 16.9#

92 21.4 94.1 141.1#

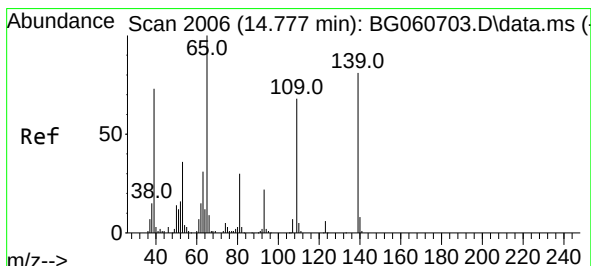
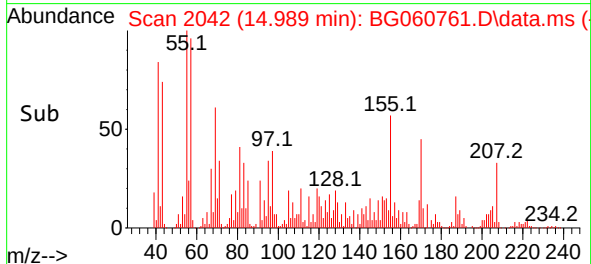
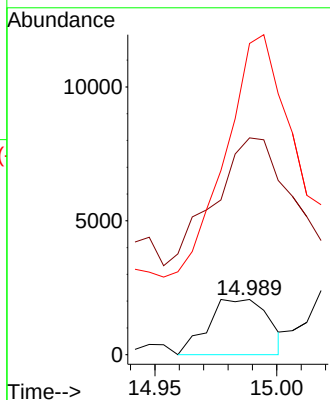
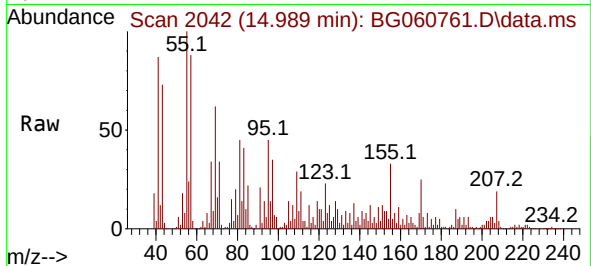




#54
2,4-Dinitrophenol
Concen: 3.013 ng
RT: 14.989 min Scan# 2042
Delta R.T. 0.306 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

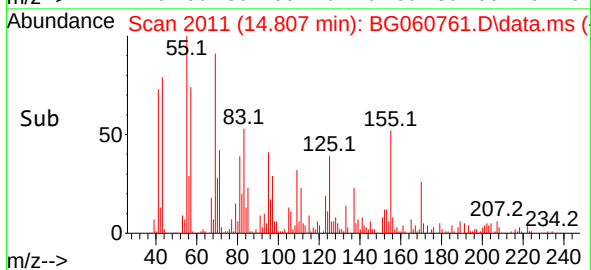
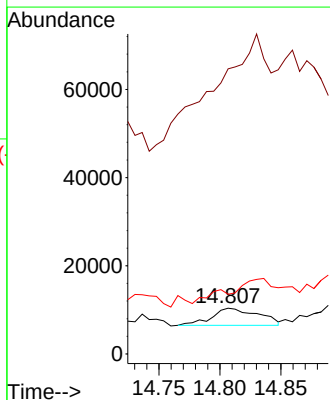
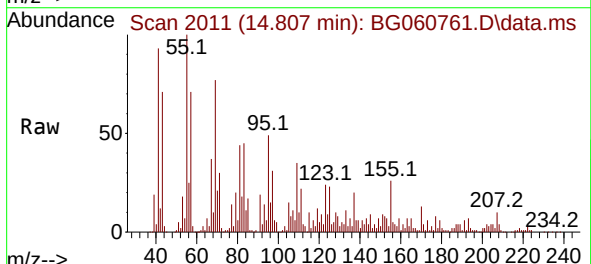
Instrument :
BNA_G
ClientSampleId :
20071

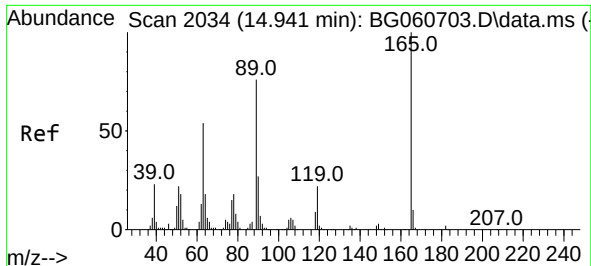
Tgt Ion:184 Resp: 3565
Ion Ratio Lower Upper
184 100
63 392.3 51.3 76.9#
154 563.4 59.9 89.9#



#56
4-Nitrophenol
Concen: 4.143 ng
RT: 14.807 min Scan# 2011
Delta R.T. 0.030 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

Tgt Ion:139 Resp: 10293
Ion Ratio Lower Upper
139 100
109 623.2 64.0 104.0#
65 130.6 104.3 144.3





#57

2,4-Dinitrotoluene

Concen: 4.419 ng

RT: 14.924 min Scan# 20

Delta R.T. -0.017 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

Instrument :

BNA_G

ClientSampleId :

20071

Tgt Ion:165 Resp: 4760

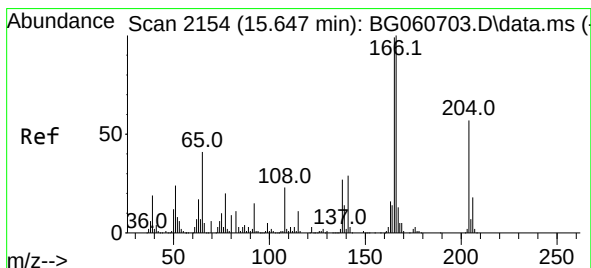
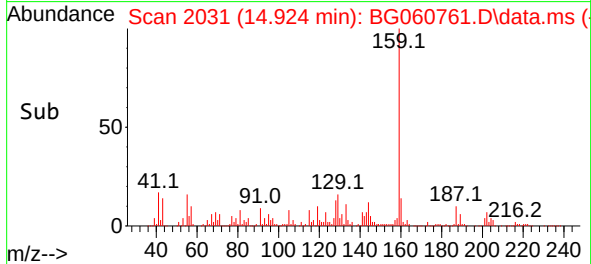
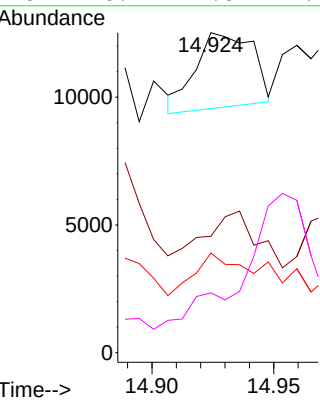
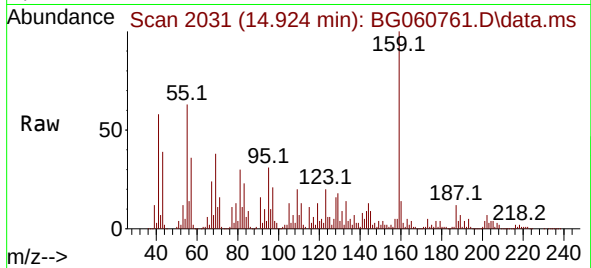
Ion Ratio Lower Upper

165 100

63 36.4 43.4 65.0#

89 31.1 61.0 91.6#

182 18.7 1.8 2.6#



#62

4-Nitroaniline

Concen: 9.677 ng

RT: 15.271 min Scan# 2090

Delta R.T. -0.376 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

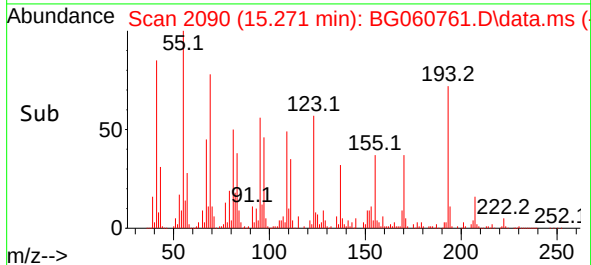
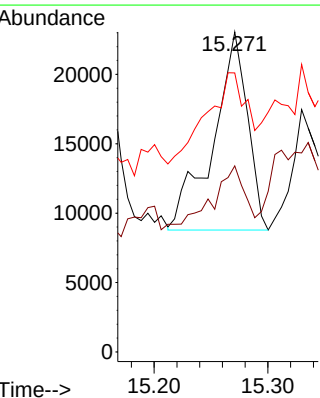
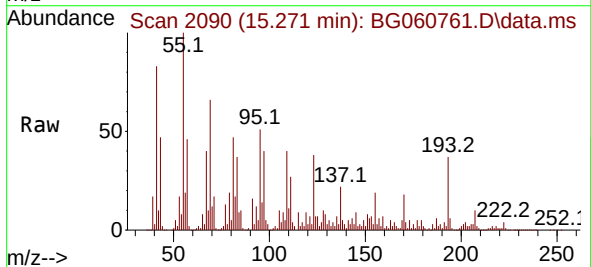
Tgt Ion:138 Resp: 30072

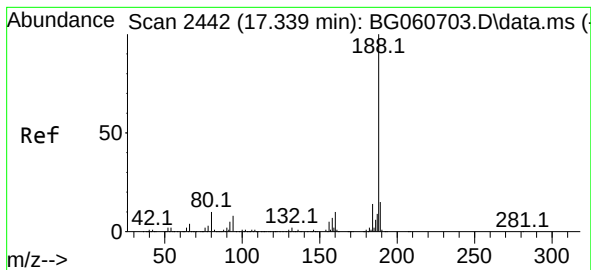
Ion Ratio Lower Upper

138 100

92 58.1 36.8 76.8

108 87.2 66.9 106.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.374 min Scan# 2448

Delta R.T. 0.036 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

Instrument :

BNA_G

ClientSampleId :

20071

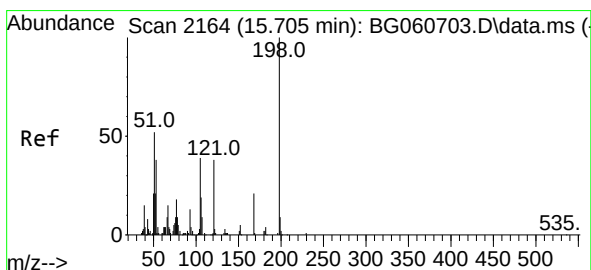
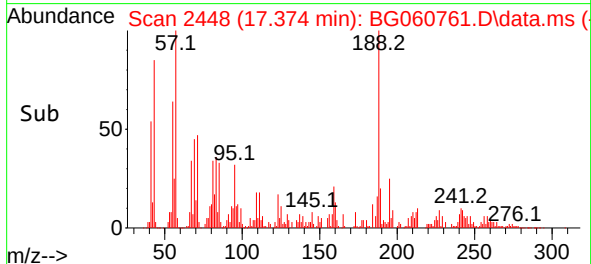
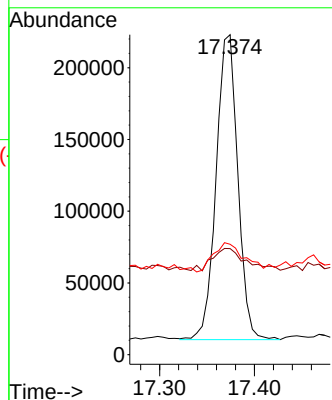
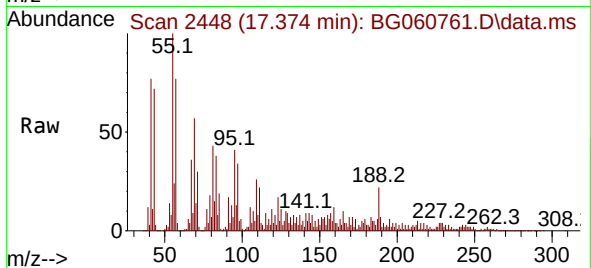
Tgt Ion:188 Resp: 338072

Ion Ratio Lower Upper

188 100

94 33.2 6.6 9.8#

80 34.5 7.6 11.4#



#65

4,6-Dinitro-2-methylphenol

Concen: 12.927 ng

RT: 15.694 min Scan# 2162

Delta R.T. -0.011 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

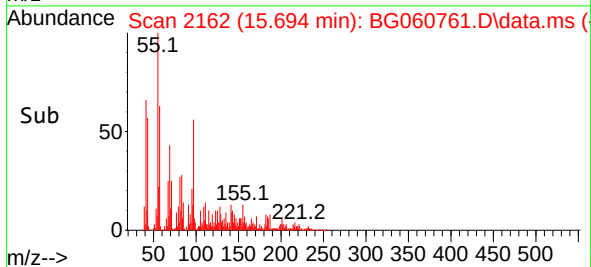
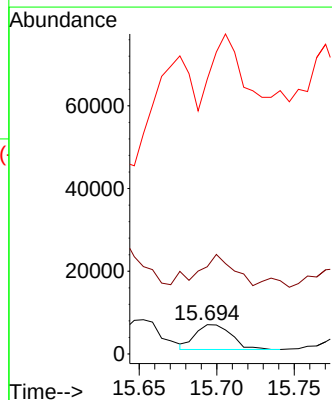
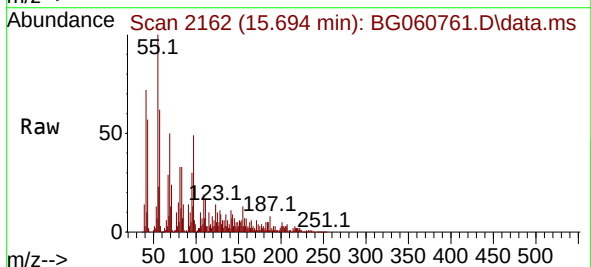
Tgt Ion:198 Resp: 9633

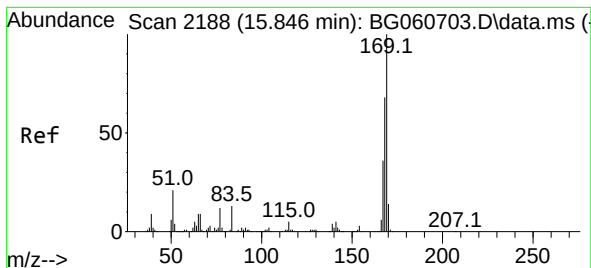
Ion Ratio Lower Upper

198 100

51 298.1 36.7 76.7#

105 938.2 19.1 59.1#





#66

n-Nitrosodiphenylamine

Concen: 23.079 ng

RT: 15.876 min Scan# 2188

Delta R.T. 0.030 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

Instrument :

BNA_G

ClientSampleId :

20071

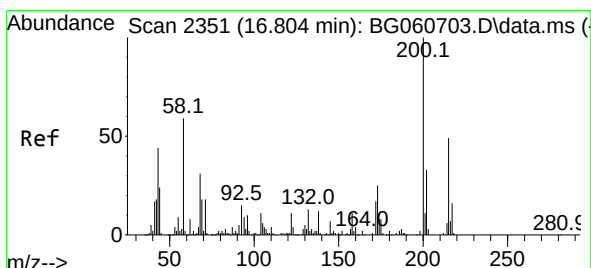
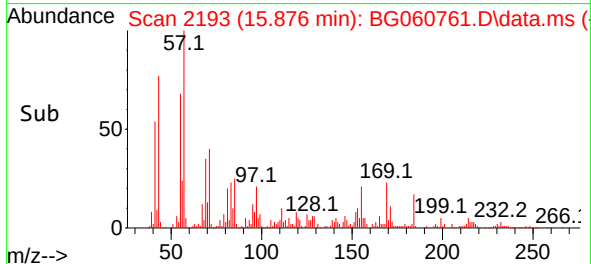
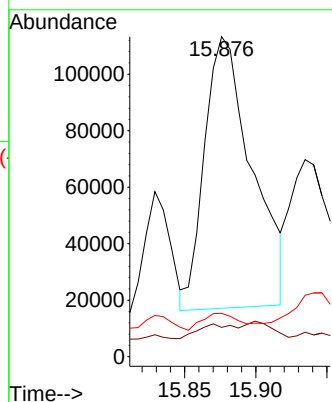
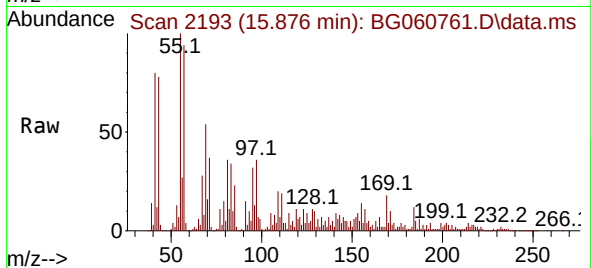
Tgt Ion:169 Resp: 222959

Ion Ratio Lower Upper

169 100

168 9.2 54.5 81.7#

167 13.5 29.2 43.8#



#69

Atrazine

Concen: 2.073 ng

RT: 16.816 min Scan# 2353

Delta R.T. 0.012 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

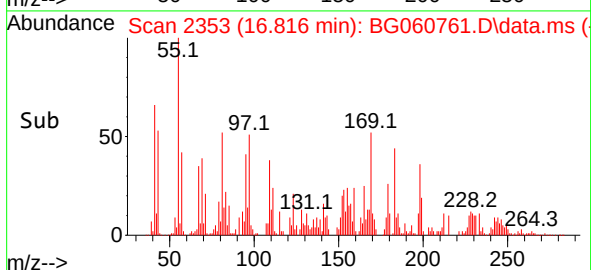
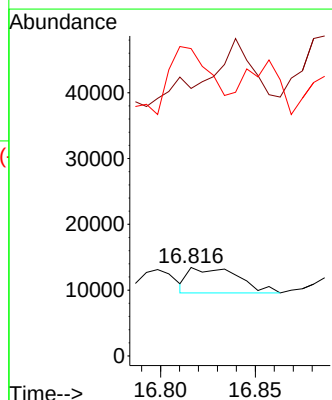
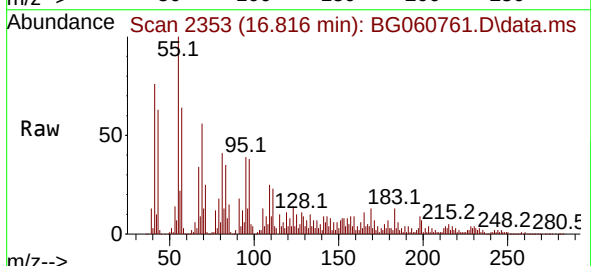
Tgt Ion:200 Resp: 7002

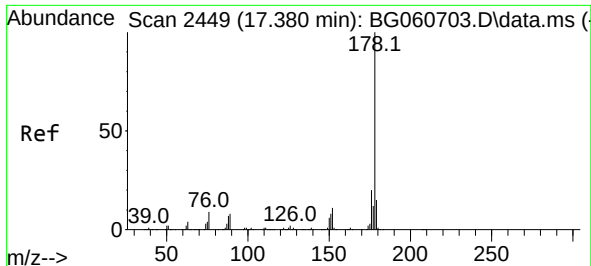
Ion Ratio Lower Upper

200 100

173 302.2 5.2 45.2#

215 347.2 28.8 68.8#

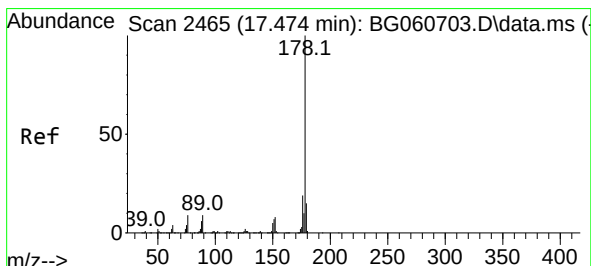
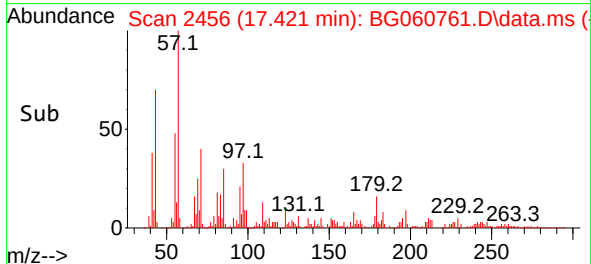
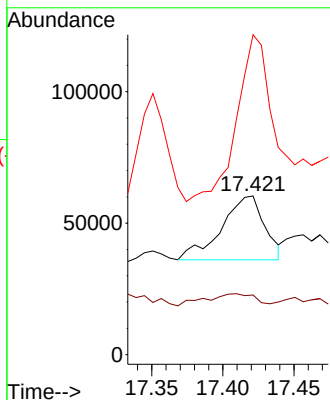
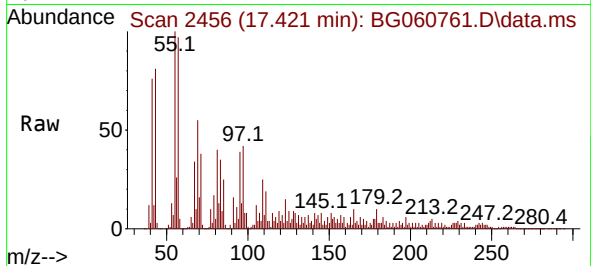




#71
Phenanthrene
Concen: 2.917 ng
RT: 17.421 min Scan# 2449
Delta R.T. 0.041 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

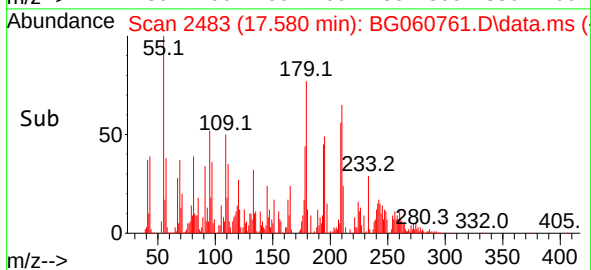
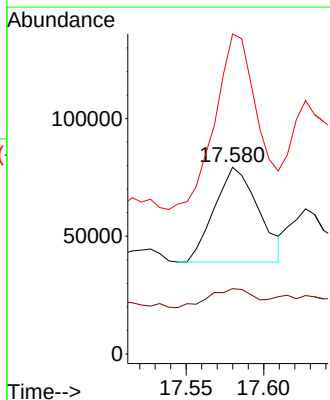
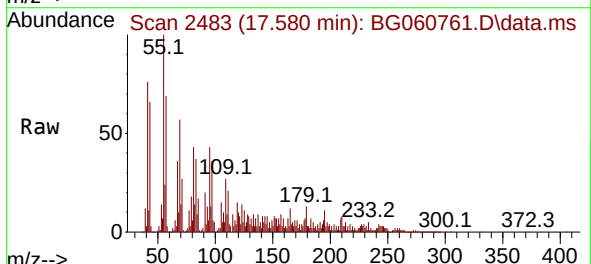
Instrument :
BNA_G
ClientSampleId :
20071

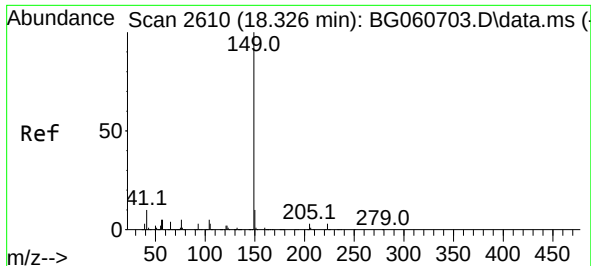
Tgt Ion:178 Resp: 51285
Ion Ratio Lower Upper
178 100
176 37.6 15.8 23.6#
179 201.6 12.2 18.4#



#72
Anthracene
Concen: 4.456 ng
RT: 17.580 min Scan# 2483
Delta R.T. 0.106 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

Tgt Ion:178 Resp: 79568
Ion Ratio Lower Upper
178 100
176 34.9 15.5 23.3#
179 171.3 12.2 18.2#

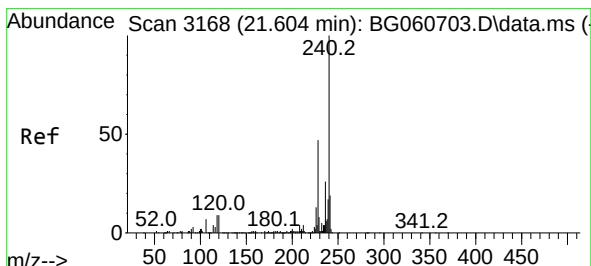
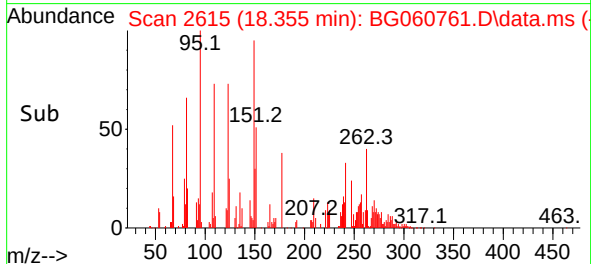
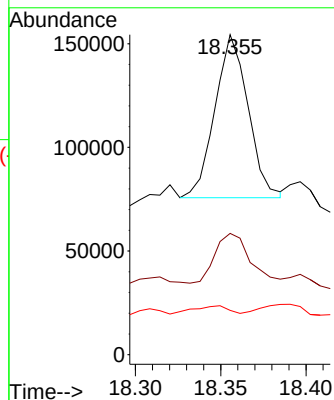
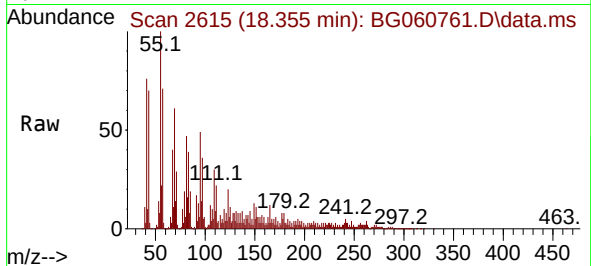




#74
Di-n-butylphthalate
Concen: 5.409 ng
RT: 18.355 min Scan# 2
Delta R.T. 0.029 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

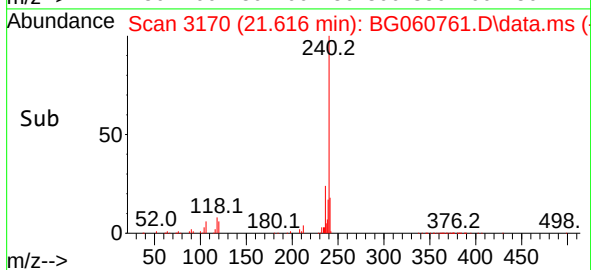
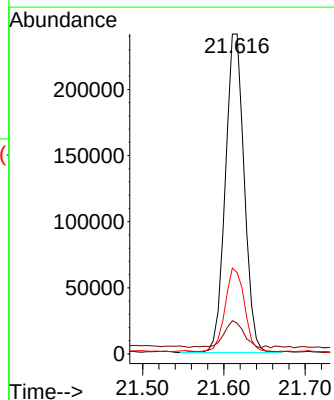
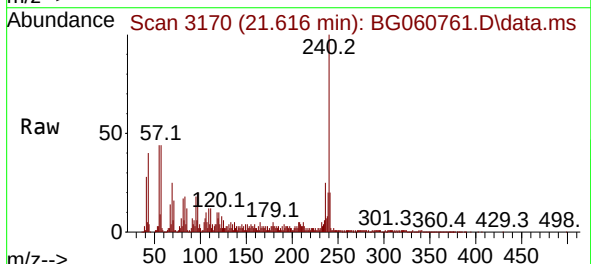
Instrument :
BNA_G
ClientSampleId :
20071

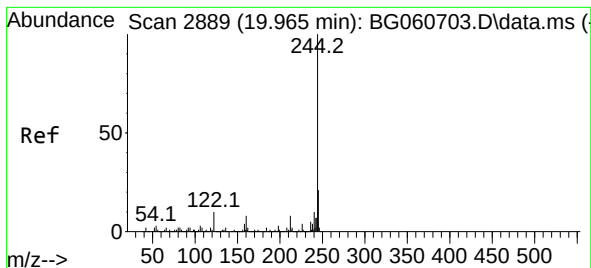
Tgt Ion:149 Resp: 106165
Ion Ratio Lower Upper
149 100
150 37.9 7.7 11.5#
104 13.9 4.2 6.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3170
Delta R.T. 0.012 min
Lab File: BG060761.D
Acq: 3 Apr 2024 14:05

Tgt Ion:240 Resp: 389195
Ion Ratio Lower Upper
240 100
120 9.6 7.1 10.7
236 25.4 20.7 31.1





#79

Terphenyl-d14

Concen: 19.313 ng

RT: 19.989 min Scan# 2

Delta R.T. 0.024 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

Instrument :

BNA_G

ClientSampleId :

20071

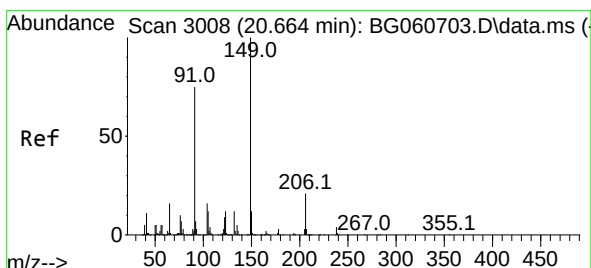
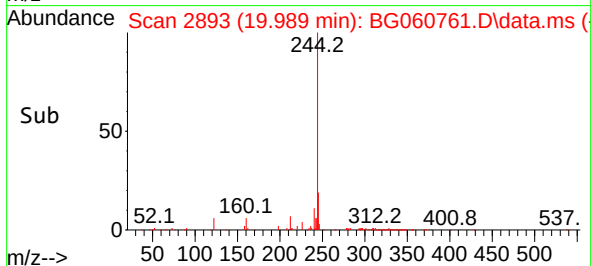
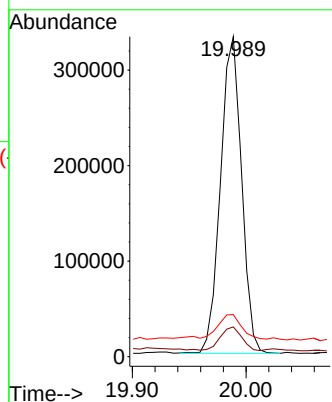
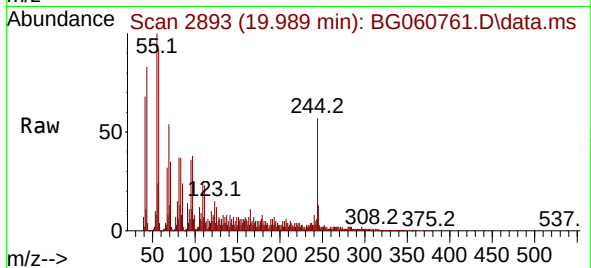
Tgt Ion:244 Resp: 426876

Ion Ratio Lower Upper

244 100

212 9.3 6.2 9.2#

122 13.2 7.8 11.8#



#80

Butylbenzylphthalate

Concen: 3.109 ng

RT: 20.670 min Scan# 3009

Delta R.T. 0.006 min

Lab File: BG060761.D

Acq: 3 Apr 2024 14:05

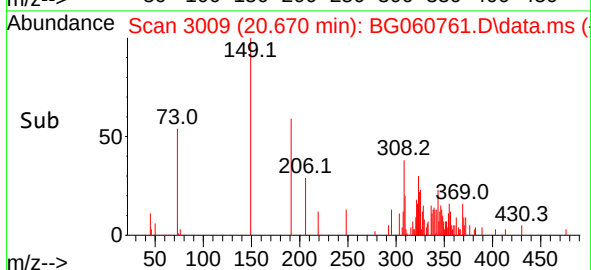
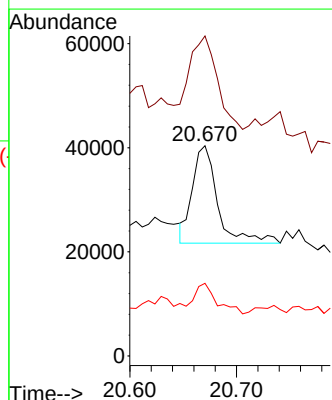
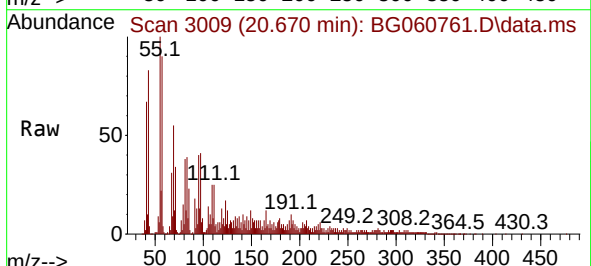
Tgt Ion:149 Resp: 30873

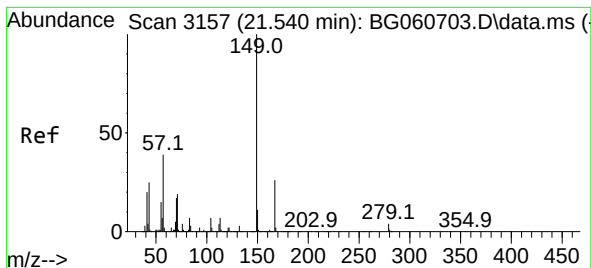
Ion Ratio Lower Upper

149 100

91 152.2 60.1 90.1#

206 34.5 16.8 25.2#

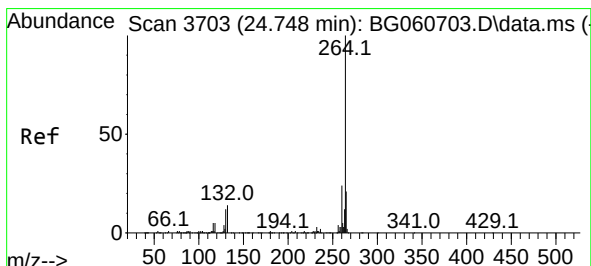
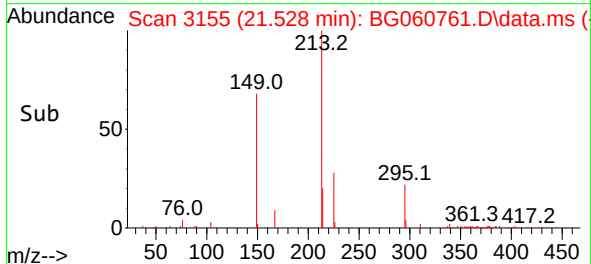
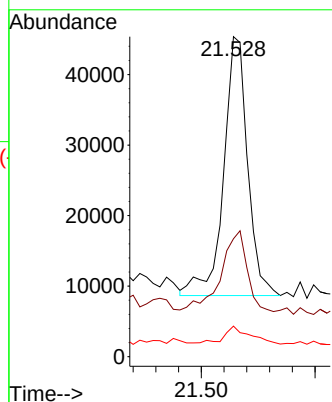
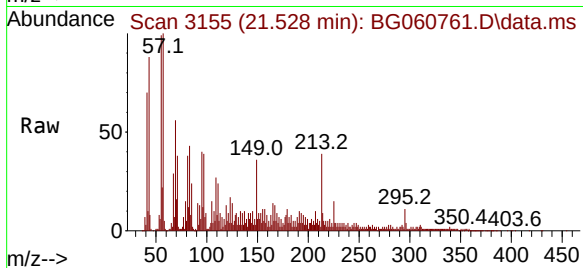




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.407 ng
 RT: 21.528 min Scan# 3155
 Delta R.T. -0.011 min
 Lab File: BG060761.D
 Acq: 3 Apr 2024 14:05

Instrument :
 BNA_G
 ClientSampleId :
 20071

Tgt Ion:149 Resp: 53917
 Ion Ratio Lower Upper
 149 100
 167 36.9 20.6 30.8#
 279 9.5 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.742 min Scan# 3702
 Delta R.T. -0.006 min
 Lab File: BG060761.D
 Acq: 3 Apr 2024 14:05

Tgt Ion:264 Resp: 494830
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.5 29.3
 265 20.6 16.9 25.3

