

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060870.D
 Acq On : 11 Apr 2024 22:22
 Operator : MA/JU
 Sample : P2072-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-041024

Quant Time: Apr 12 01:39:32 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)

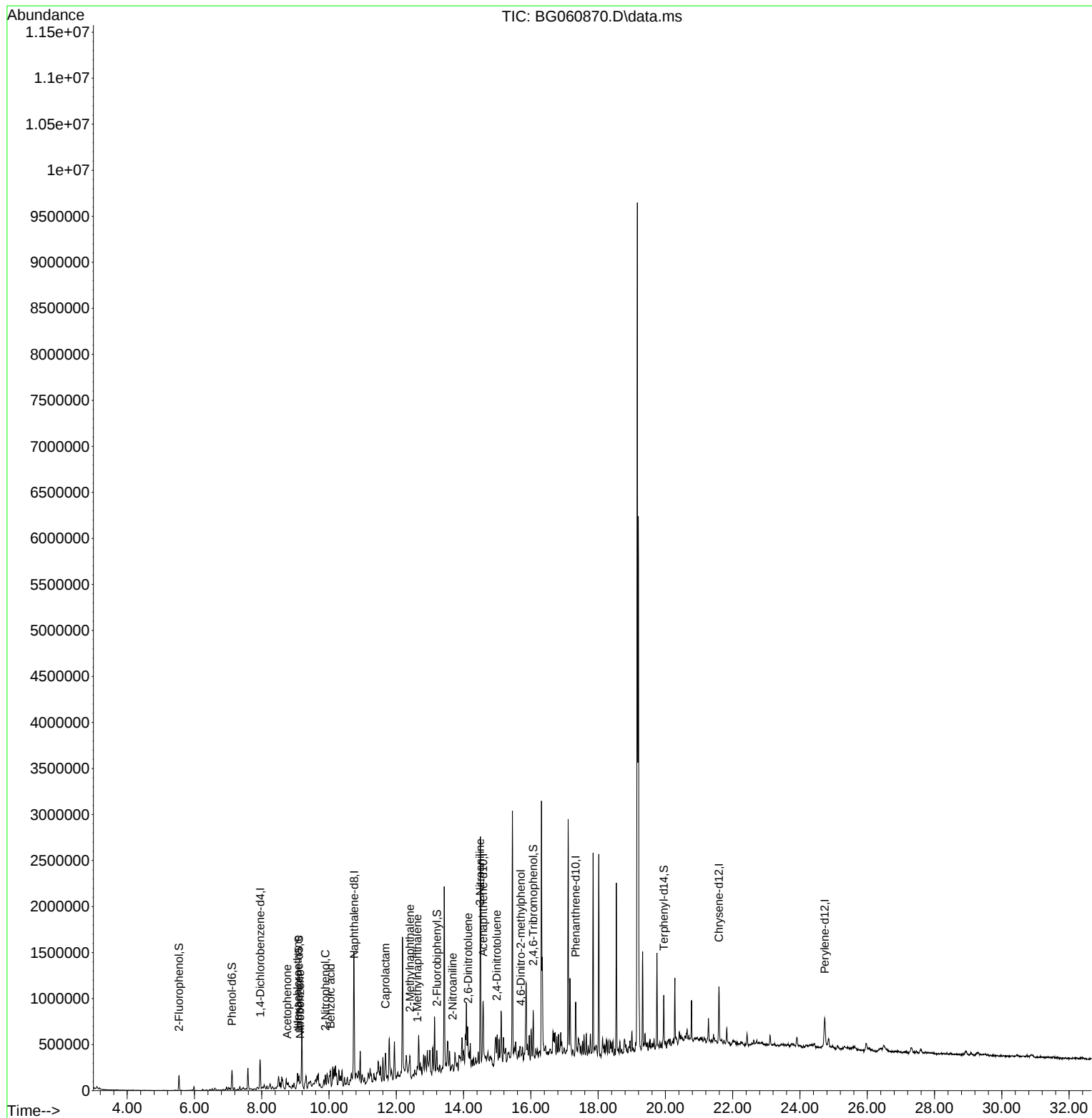
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.954	152	71290	20.000	ng	0.00
21) Naphthalene-d8	10.750	136	254324	20.000	ng	# 0.00
39) Acenaphthene-d10	14.581	164	177925	20.000	ng	0.00
64) Phenanthrene-d10	17.331	188	373027	20.000	ng	0.00
76) Chrysene-d12	21.591	240	351804	20.000	ng	-0.01
86) Perylene-d12	24.734	264	407614	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	61933	14.472	ng	0.00
7) Phenol-d6	7.113	99	82864	13.045	ng	0.00
23) Nitrobenzene-d5	9.105	82	57922	12.996	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	39072	19.345	ng	0.00
45) 2-Fluorobiphenyl	13.206	172	132713	10.947	ng	-0.01
79) Terphenyl-d14	19.951	244	211889	10.605	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	9.064	117	13241	7.243	ng	# 1
22) Acetophenone	8.758	105	32036	4.568	ng	# 55
24) Nitrobenzene	9.140	77	2065	3.165	ng	# 1
26) 2-Nitrophenol	9.887	139	905	3.529	ng	# 1
32) Benzoic acid	10.045	122	120	6.874	ng	# 1
35) Caprolactam	11.679	113	3133	2.089	ng	# 1
37) 2-Methylnaphthalene	12.407	142	33943	3.356	ng	# 85
38) 1-Methylnaphthalene	12.625	142	23507	2.460	ng	# 98
48) 2-Nitroaniline	13.676	65	1833	3.416	ng	# 41
51) 2,6-Dinitrotoluene	14.135	165	2029	4.241	ng	# 87
53) 3-Nitroaniline	14.487	138	538	3.034	ng	# 53
57) 2,4-Dinitrotoluene	14.986	165	2350	3.944	ng	# 67
65) 4,6-Dinitro-2-methylph...	15.697	198	264	7.180	ng	# 1

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

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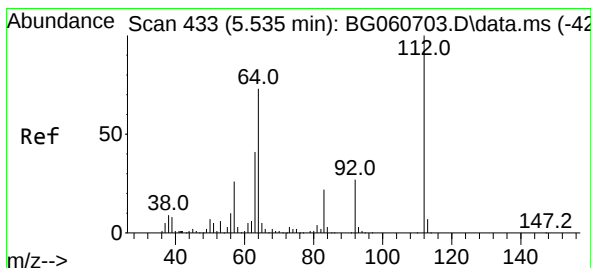
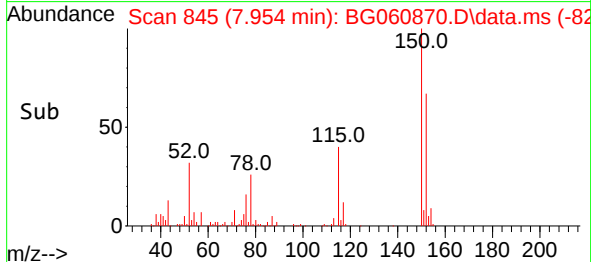
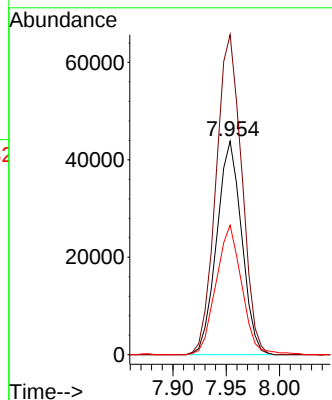
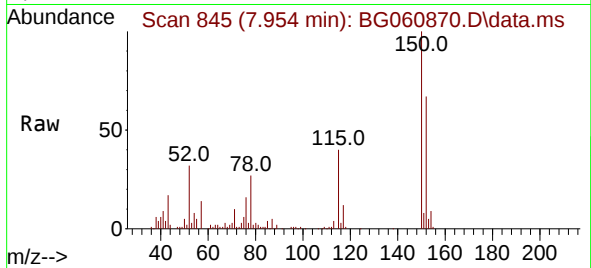




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.954 min Scan# 846
Delta R.T. -0.007 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

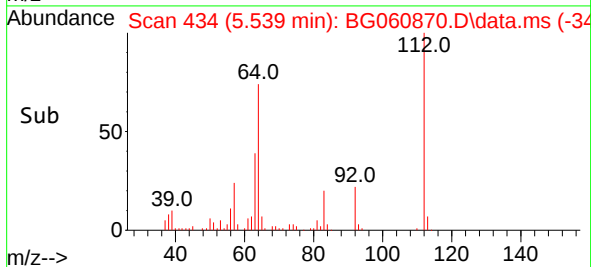
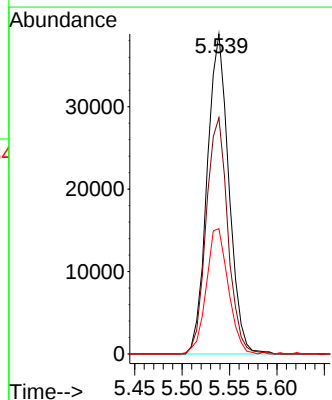
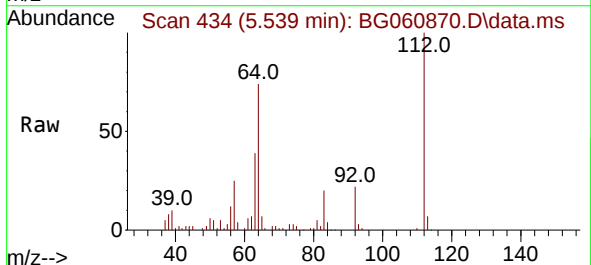
Instrument :
BNA_G
ClientSampleId :
HR-02-041024

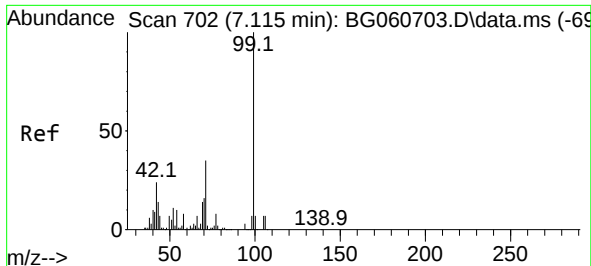
Tgt Ion:152 Resp: 71290
Ion Ratio Lower Upper
152 100
150 149.9 130.2 195.4
115 60.7 51.6 77.4



#5
2-Fluorophenol
Concen: 14.472 ng
RT: 5.539 min Scan# 434
Delta R.T. 0.004 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Tgt Ion:112 Resp: 61933
Ion Ratio Lower Upper
112 100
64 73.8 58.4 87.6
63 39.1 32.7 49.1

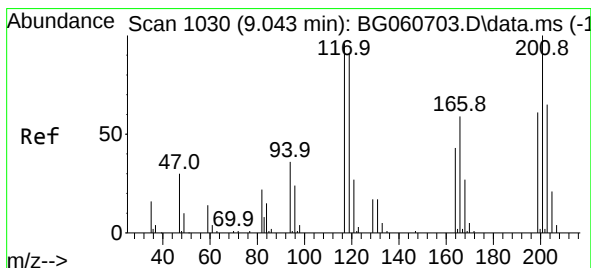
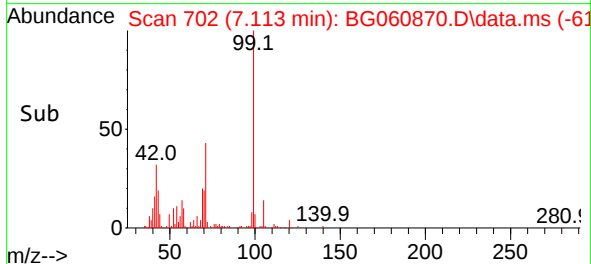
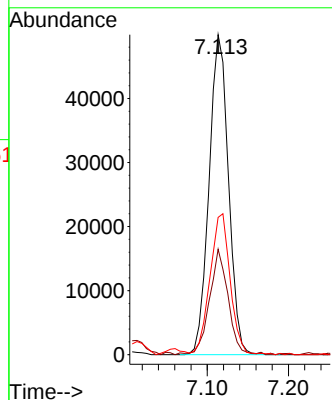
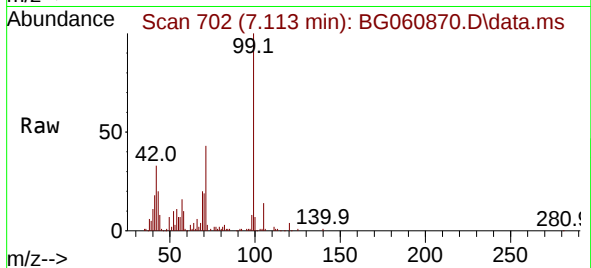




#7
Phenol-d6
Concen: 13.045 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.002 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

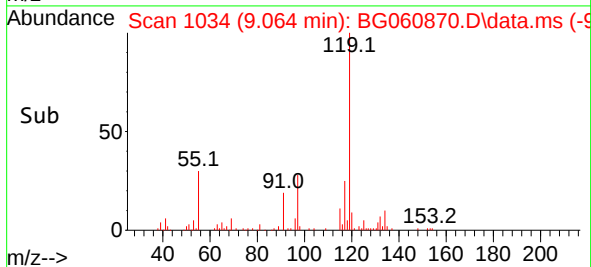
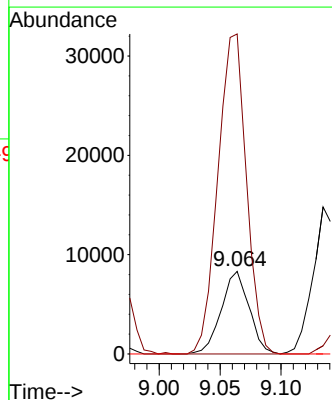
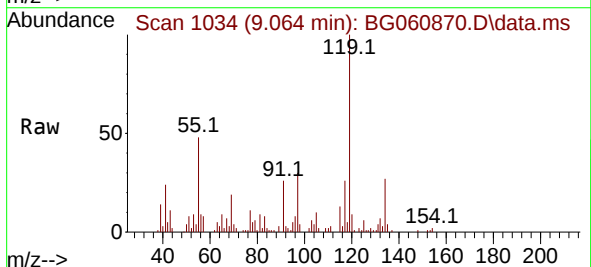
Instrument :
BNA_G
ClientSampleId :
HR-02-041024

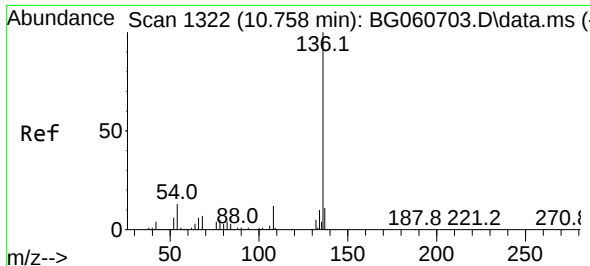
Tgt Ion: 99 Resp: 82864
Ion Ratio Lower Upper
99 100
42 33.0 19.4 29.2#
71 42.9 28.2 42.2#



#18
Hexachloroethane
Concen: 7.243 ng
RT: 9.064 min Scan# 1034
Delta R.T. 0.022 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Tgt Ion: 117 Resp: 13241
Ion Ratio Lower Upper
117 100
119 387.4 75.7 113.5#
201 0.0 83.4 125.2#

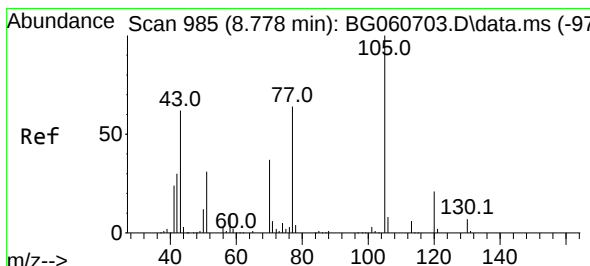
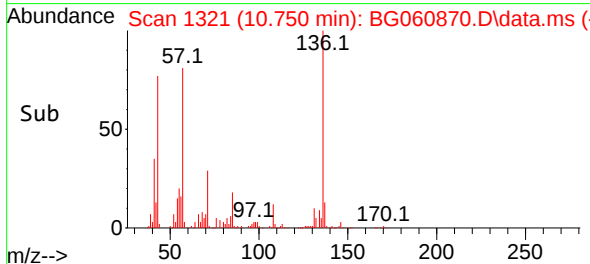
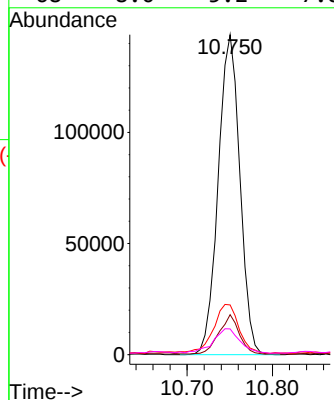
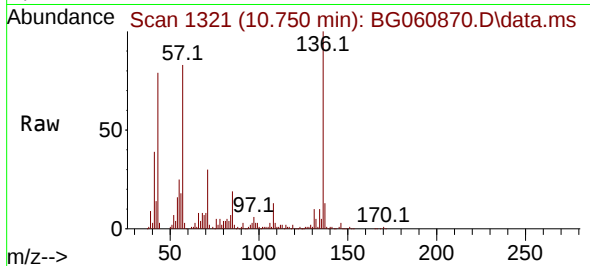




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.750 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

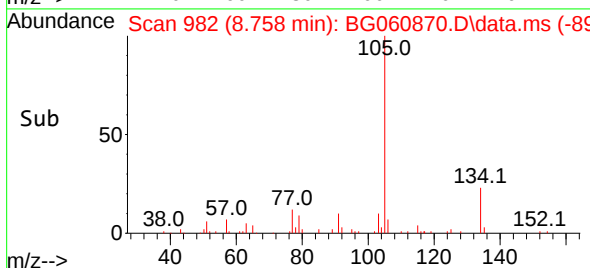
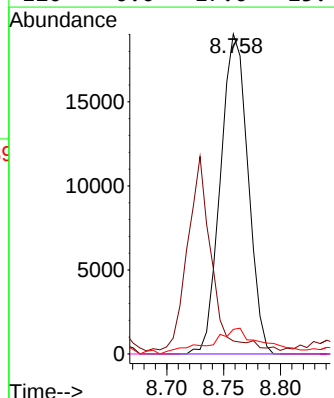
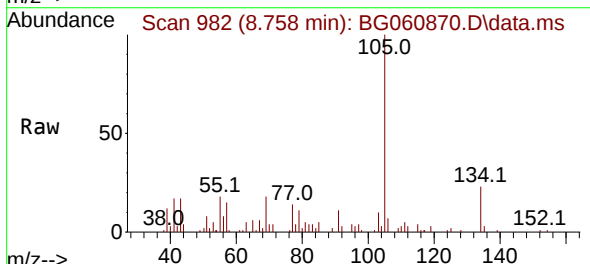
Instrument :
BNA_G
ClientSampleId :
HR-02-041024

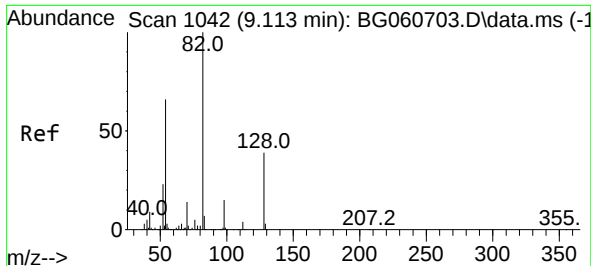
Tgt Ion:	136	Resp:	254324
Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.8	13.2
54	15.6	10.2	15.2#
68	8.0	5.2	7.8#



#22
Acetophenone
Concen: 4.568 ng
RT: 8.758 min Scan# 982
Delta R.T. -0.020 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Tgt Ion:	105	Resp:	32036
Ion	Ratio	Lower	Upper
105	100		
71	4.1	4.9	7.3#
51	7.7	31.1	46.7#
120	0.0	17.0	25.4#





#23

Nitrobenzene-d5

Concen: 12.996 ng

RT: 9.105 min Scan# 1041

Delta R.T. -0.008 min

Lab File: BG060870.D

Acq: 11 Apr 2024 22:22

Instrument :

BNA_G

ClientSampleId :

HR-02-041024

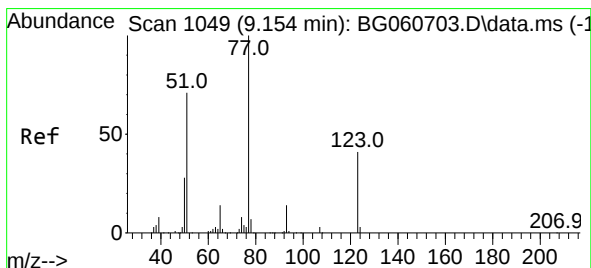
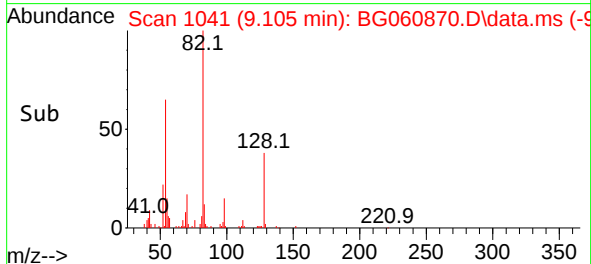
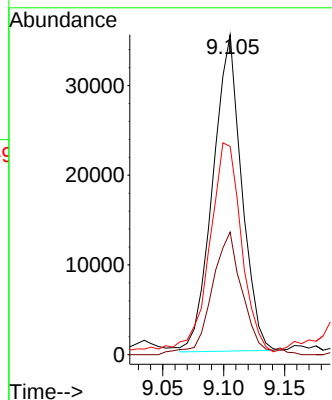
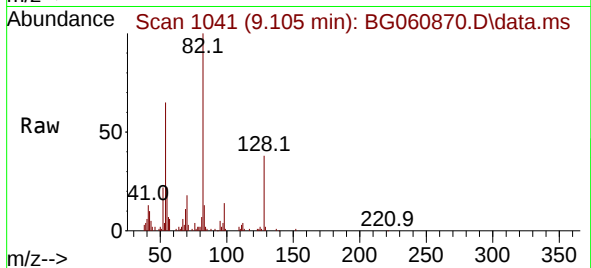
Tgt Ion: 82 Resp: 57922

Ion Ratio Lower Upper

82 100

128 38.3 31.2 46.8

54 65.1 53.2 79.8



#24

Nitrobenzene

Concen: 3.165 ng

RT: 9.140 min Scan# 1047

Delta R.T. -0.014 min

Lab File: BG060870.D

Acq: 11 Apr 2024 22:22

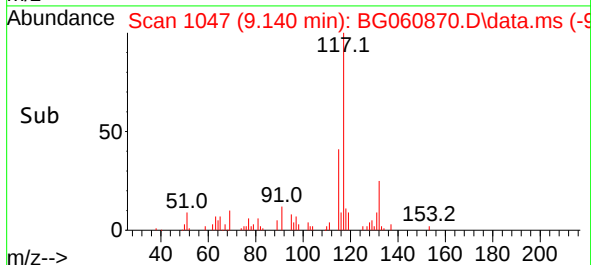
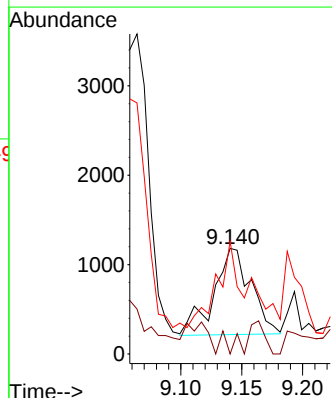
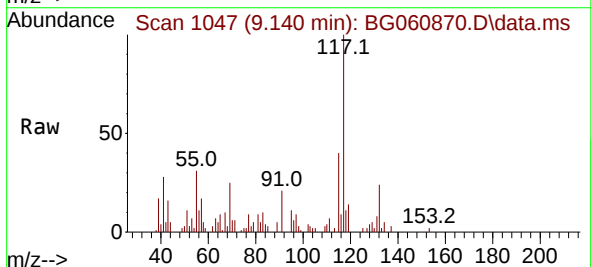
Tgt Ion: 77 Resp: 2065

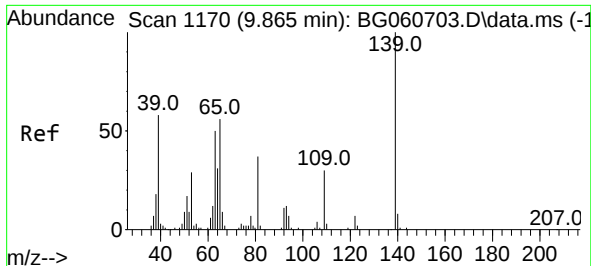
Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 106.8 11.3 16.9#

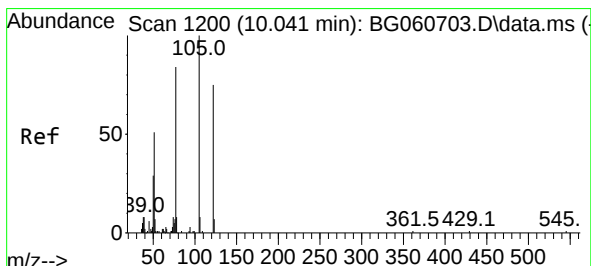
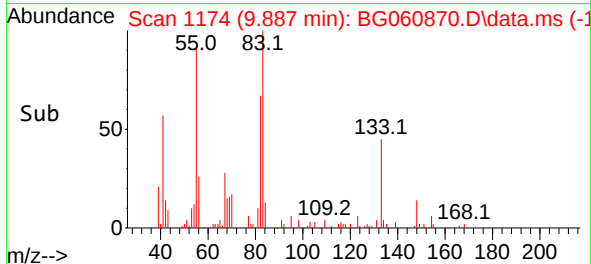
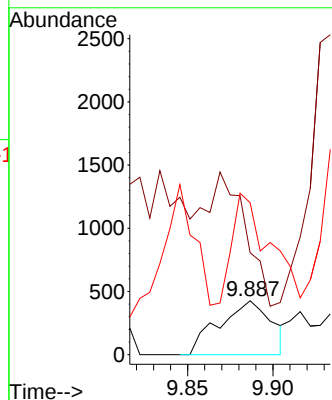
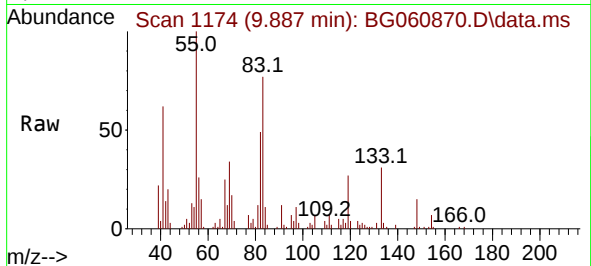




#26
2-Nitrophenol
Concen: 3.529 ng
RT: 9.887 min Scan# 1170
Delta R.T. 0.022 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

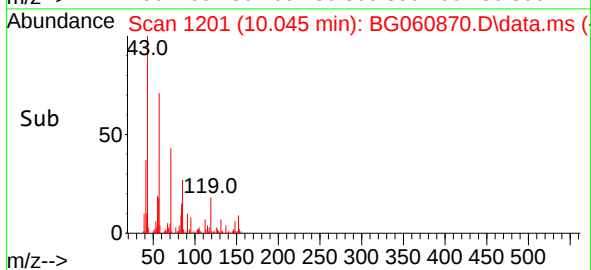
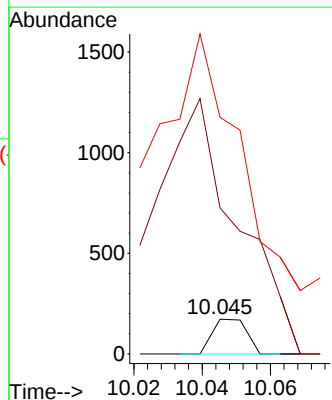
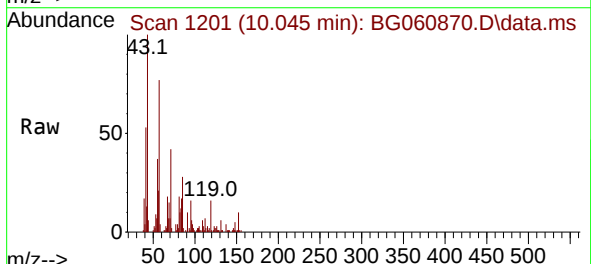
Instrument :
BNA_G
ClientSampleId :
HR-02-041024

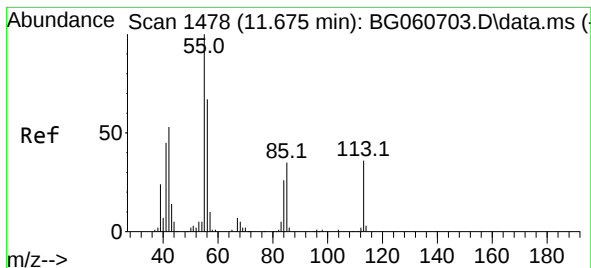
Tgt Ion:139 Resp: 905
Ion Ratio Lower Upper
139 100
109 188.8 23.9 35.9#
65 281.7 44.5 66.7#



#32
Benzoic acid
Concen: 6.874 ng
RT: 10.045 min Scan# 1201
Delta R.T. 0.004 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Tgt Ion:122 Resp: 120
Ion Ratio Lower Upper
122 100
105 422.1 104.5 144.5#
77 683.7 85.3 125.3#





#35

Caprolactam

Concen: 2.089 ng

RT: 11.679 min Scan# 1478

Delta R.T. 0.004 min

Lab File: BG060870.D

Acq: 11 Apr 2024 22:22

Instrument :

BNA_G

ClientSampleId :

HR-02-041024

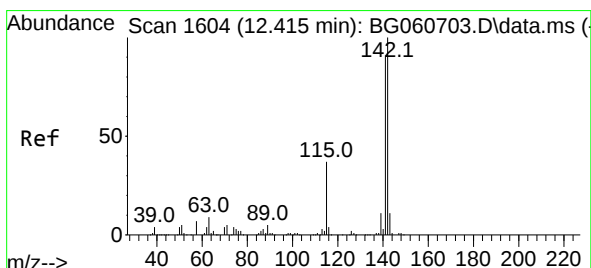
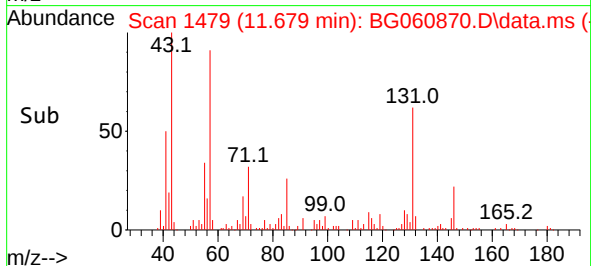
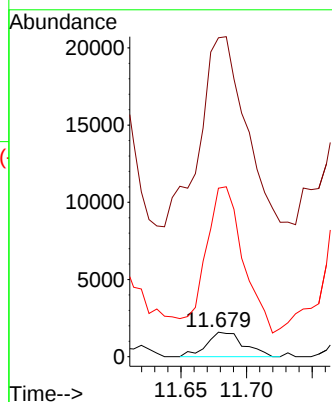
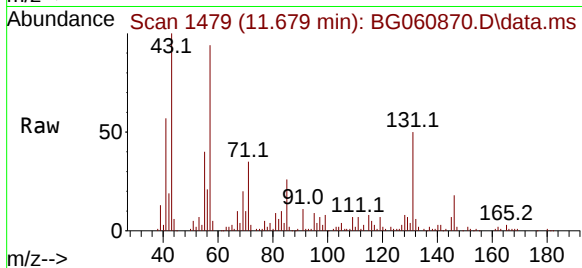
Tgt Ion:113 Resp: 3133

Ion Ratio Lower Upper

113 100

55 1306.5 258.0 298.0#

56 690.4 166.3 206.3#



#37

2-Methylnaphthalene

Concen: 3.356 ng

RT: 12.407 min Scan# 1603

Delta R.T. -0.008 min

Lab File: BG060870.D

Acq: 11 Apr 2024 22:22

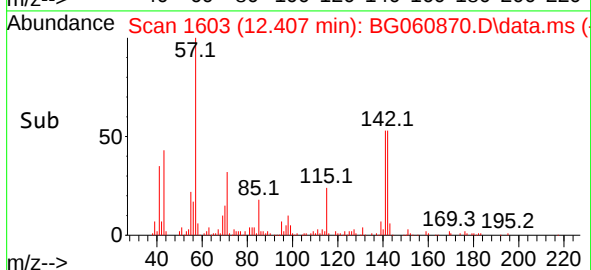
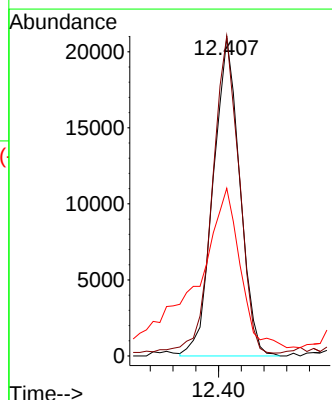
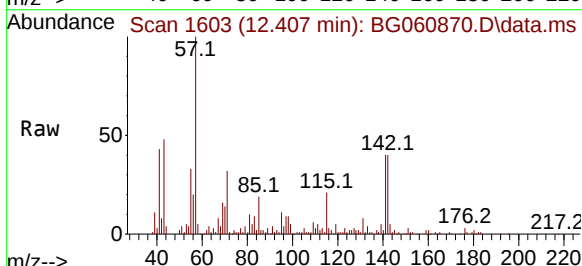
Tgt Ion:142 Resp: 33943

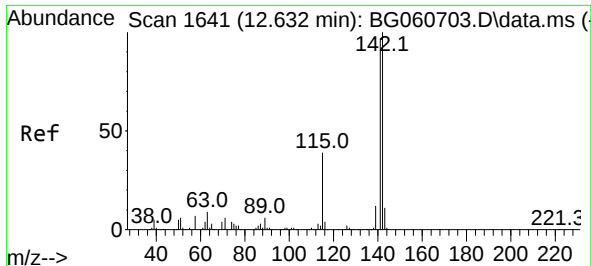
Ion Ratio Lower Upper

142 100

141 100.5 72.7 109.1

115 52.7 29.9 44.9#

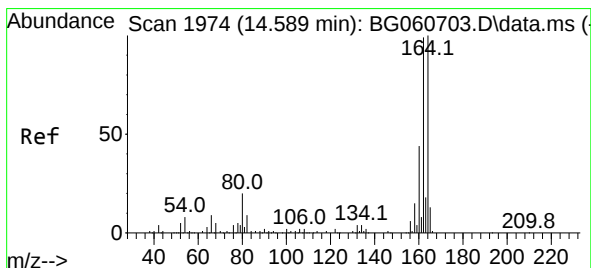
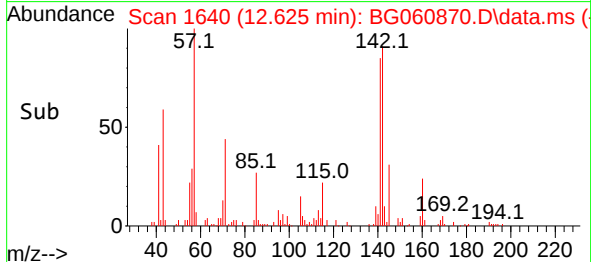
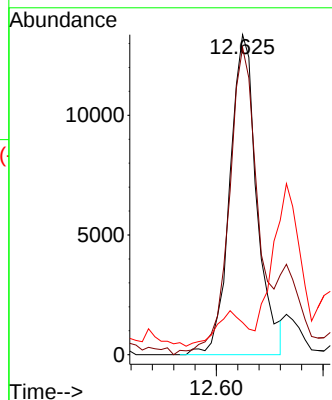
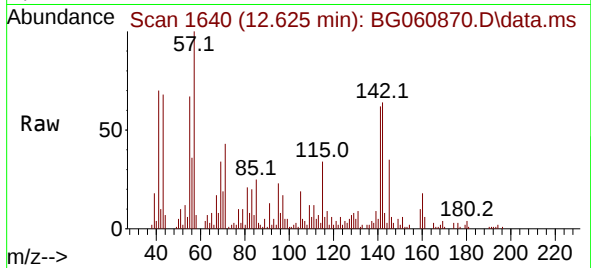




#38
1-Methylnaphthalene
Concen: 2.460 ng
RT: 12.625 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

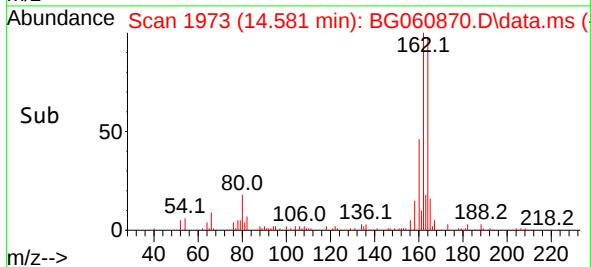
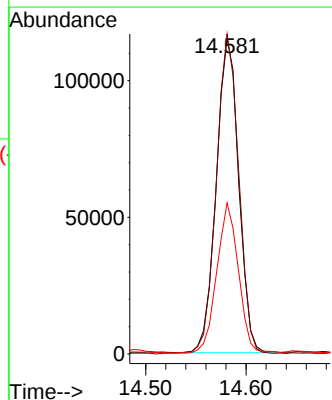
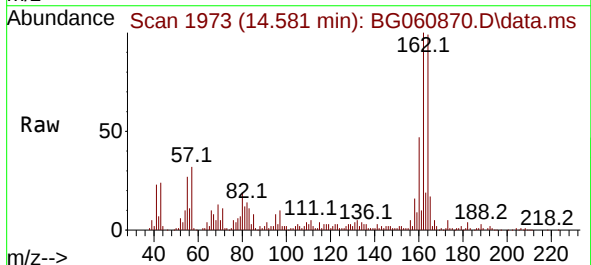
Instrument :
BNA_G
ClientSampleId :
HR-02-041024

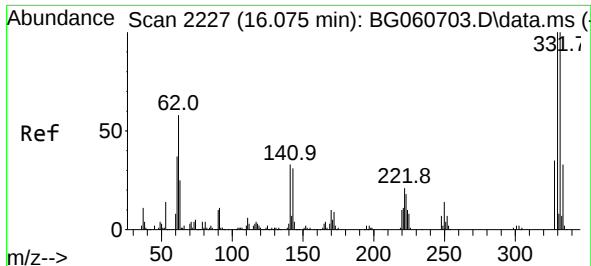
Tgt Ion:142 Resp: 23507
Ion Ratio Lower Upper
142 100
141 95.9 77.7 116.5
116 10.0 3.4 5.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.581 min Scan# 1973
Delta R.T. -0.008 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

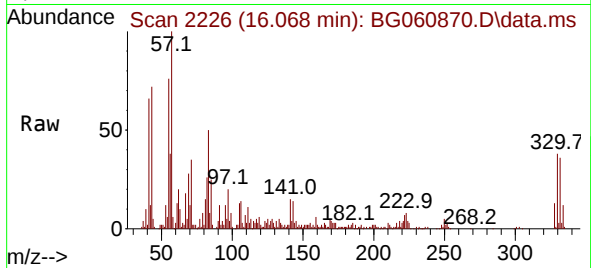
Tgt Ion:164 Resp: 177925
Ion Ratio Lower Upper
164 100
162 101.5 79.5 119.3
160 47.9 35.4 53.0



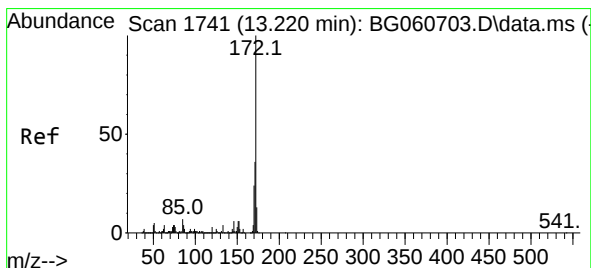
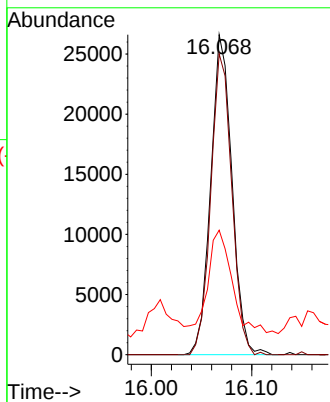
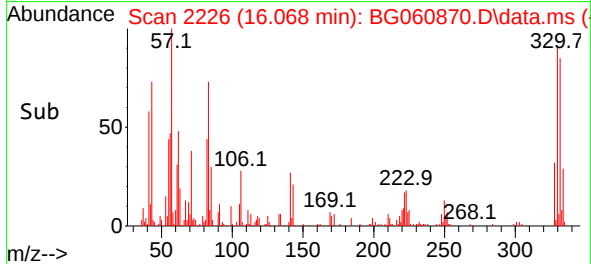


#42
2,4,6-Tribromophenol
Concen: 19.345 ng
RT: 16.068 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Instrument :
BNA_G
ClientSampleId :
HR-02-041024

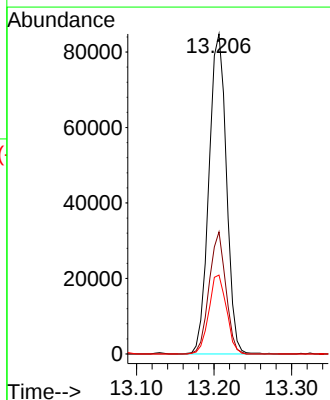
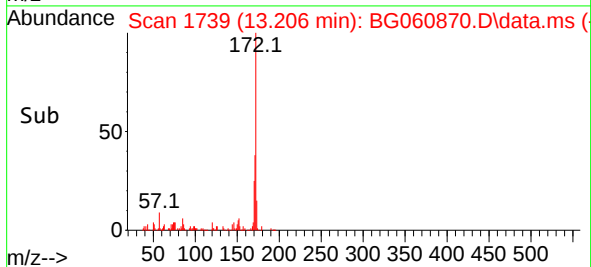
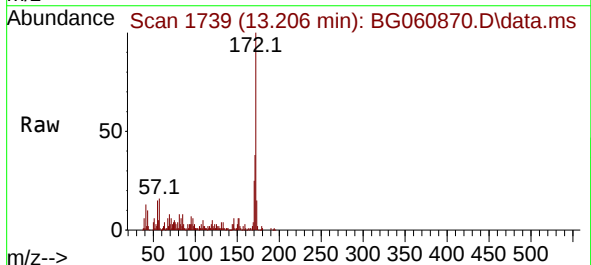


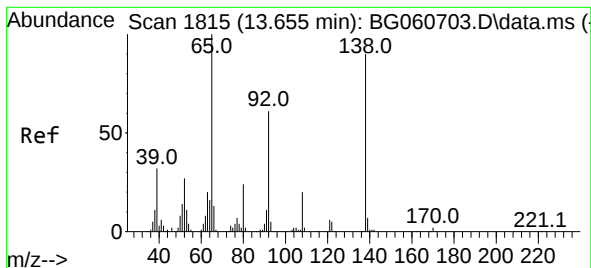
Tgt Ion:330 Resp: 39072
Ion Ratio Lower Upper
330 100
332 92.9 78.2 117.4
141 36.8 27.0 40.6



#45
2-Fluorobiphenyl
Concen: 10.947 ng
RT: 13.206 min Scan# 1739
Delta R.T. -0.014 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Tgt Ion:172 Resp: 132713
Ion Ratio Lower Upper
172 100
171 38.1 28.7 43.1
170 24.7 19.4 29.0





#48

2-Nitroaniline

Concen: 3.416 ng

RT: 13.676 min Scan# 1819

Delta R.T. 0.021 min

Lab File: BG060870.D

Acq: 11 Apr 2024 22:22

Instrument :

BNA_G

ClientSampleId :

HR-02-041024

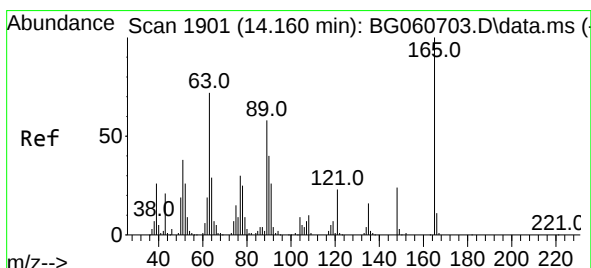
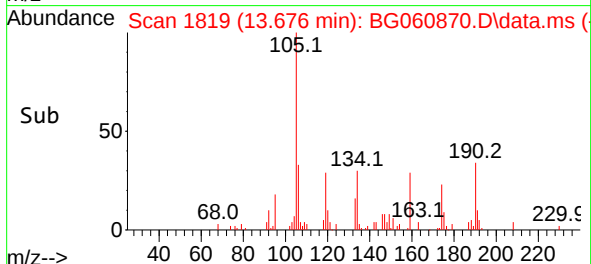
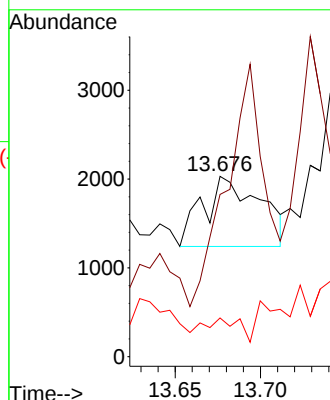
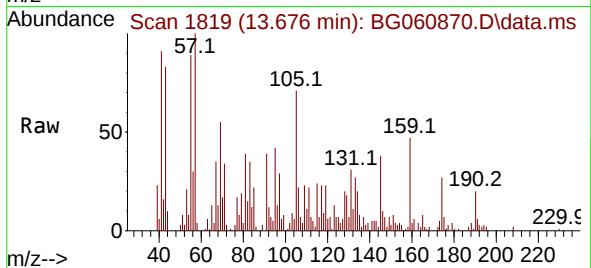
Tgt Ion: 65 Resp: 1833

Ion Ratio Lower Upper

65 100

92 90.0 48.6 72.8#

138 21.5 72.2 108.4#



#51

2,6-Dinitrotoluene

Concen: 4.241 ng

RT: 14.135 min Scan# 1897

Delta R.T. -0.025 min

Lab File: BG060870.D

Acq: 11 Apr 2024 22:22

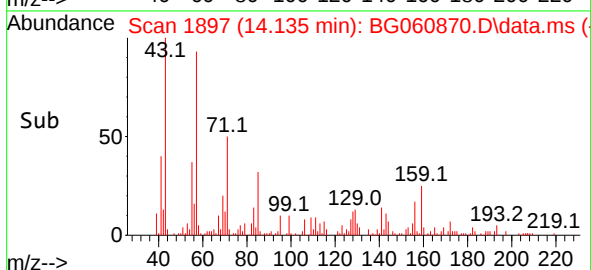
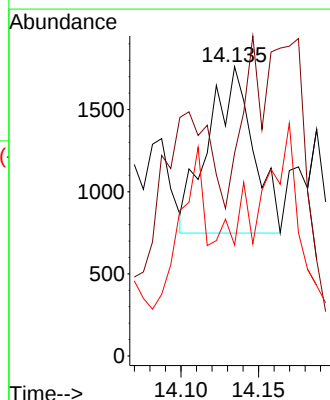
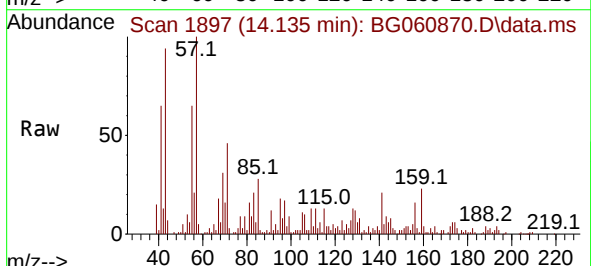
Tgt Ion: 165 Resp: 2029

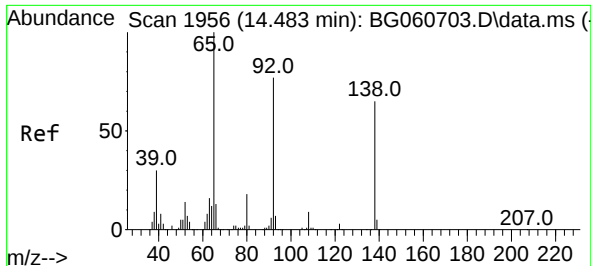
Ion Ratio Lower Upper

165 100

63 70.1 58.2 87.4

89 38.3 46.1 69.1#

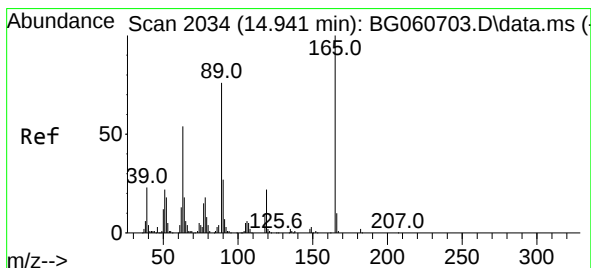
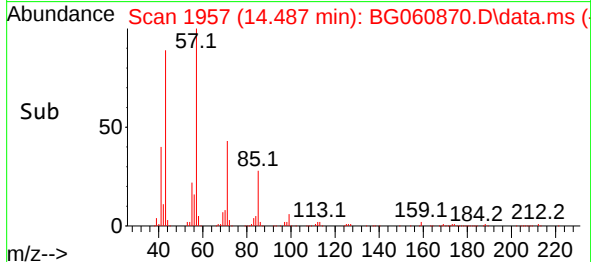
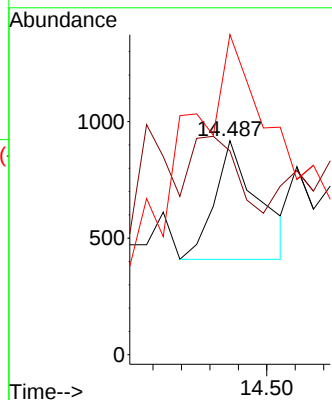
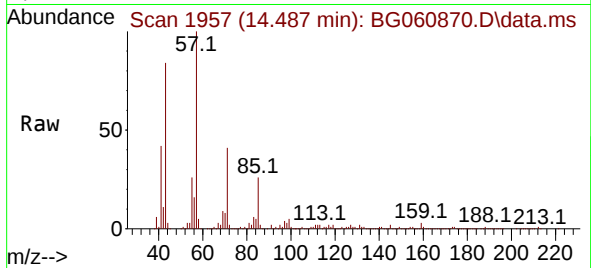




#53
3-Nitroaniline
Concen: 3.034 ng
RT: 14.487 min Scan# 1956
Delta R.T. 0.004 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

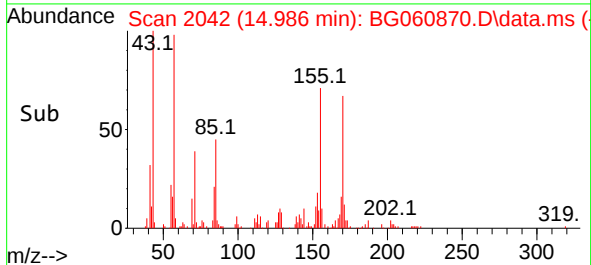
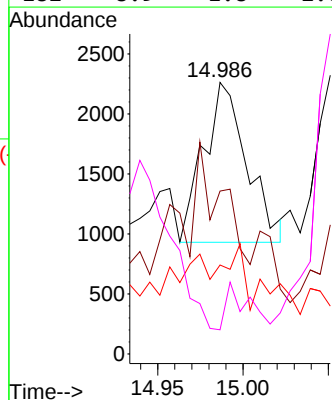
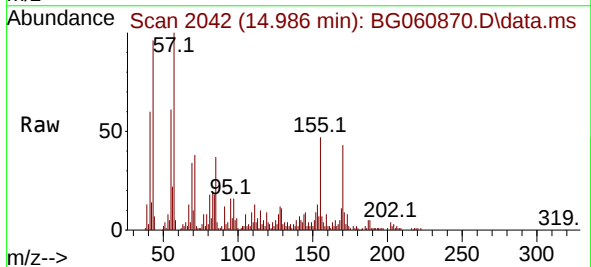
Instrument :
BNA_G
ClientSampleId :
HR-02-041024

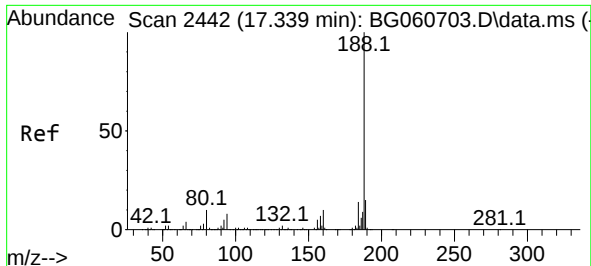
Tgt Ion:138 Resp: 538
Ion Ratio Lower Upper
138 100
108 95.2 11.3 16.9#
92 149.6 94.1 141.1#



#57
2,4-Dinitrotoluene
Concen: 3.944 ng
RT: 14.986 min Scan# 2042
Delta R.T. 0.045 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Tgt Ion:165 Resp: 2350
Ion Ratio Lower Upper
165 100
63 60.0 43.4 65.0
89 32.8 61.0 91.6#
182 8.9 1.8 2.6#

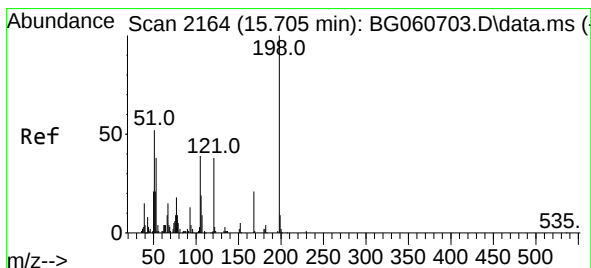
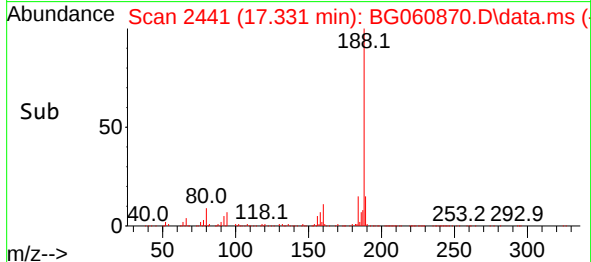
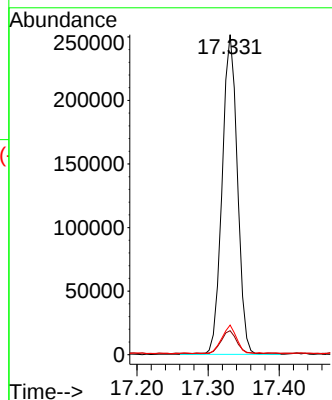
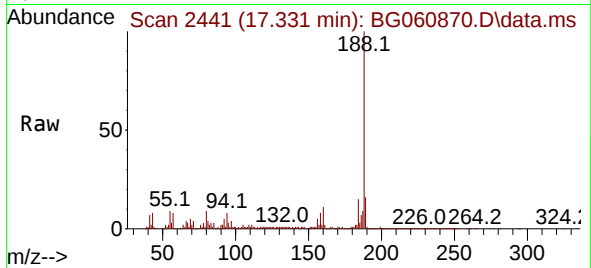




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.331 min Scan# 24
Delta R.T. -0.008 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

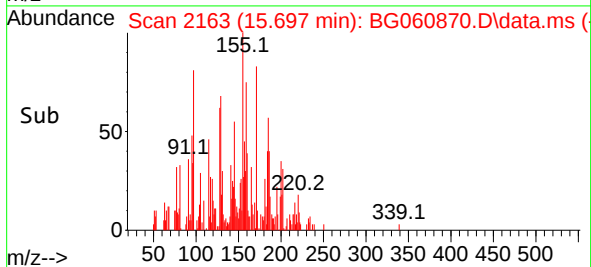
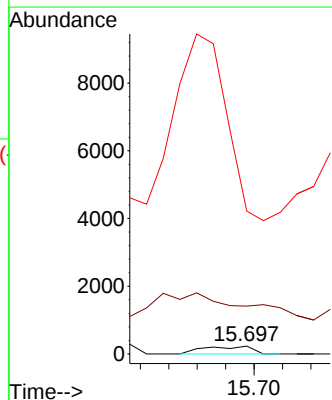
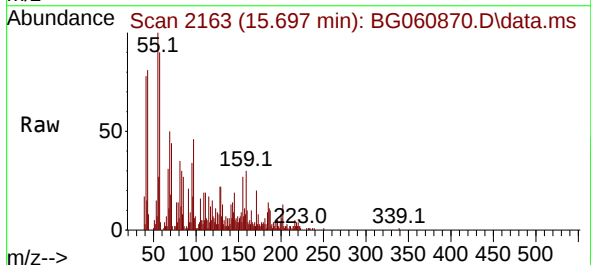
Instrument :
BNA_G
ClientSampleId :
HR-02-041024

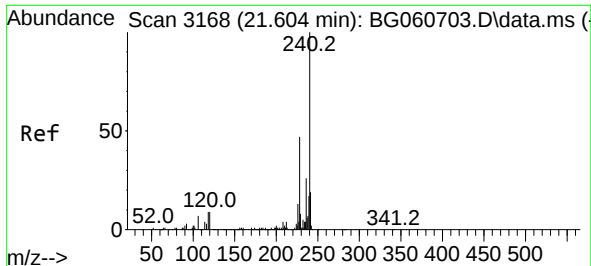
Tgt Ion:188 Resp: 373027
Ion Ratio Lower Upper
188 100
94 7.5 6.6 9.8
80 9.3 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 7.180 ng
RT: 15.697 min Scan# 2163
Delta R.T. -0.008 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Tgt Ion:198 Resp: 264
Ion Ratio Lower Upper
198 100
51 613.9 36.7 76.7#
105 1834.3 19.1 59.1#

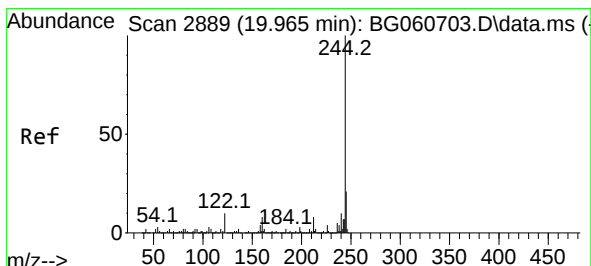
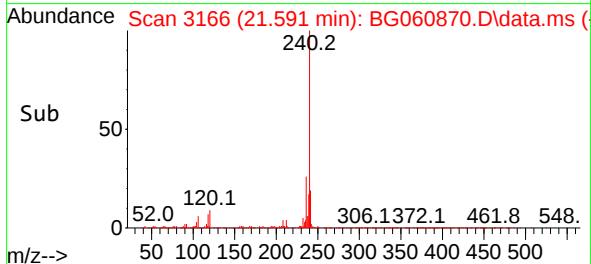
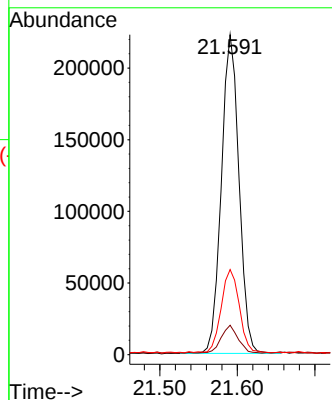
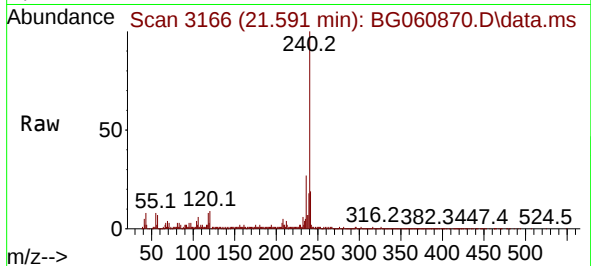




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.591 min Scan# 3166
Delta R.T. -0.014 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

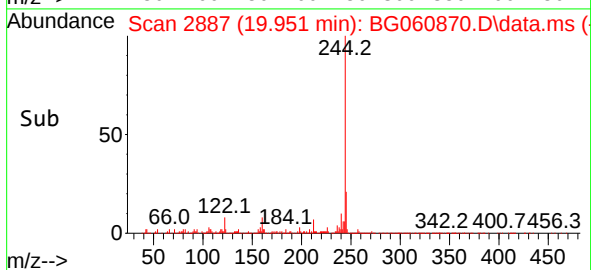
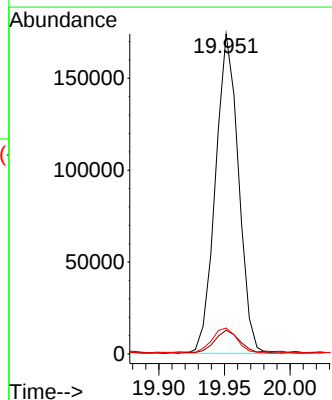
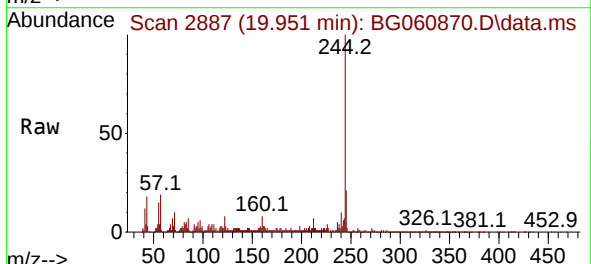
Instrument :
BNA_G
ClientSampleId :
HR-02-041024

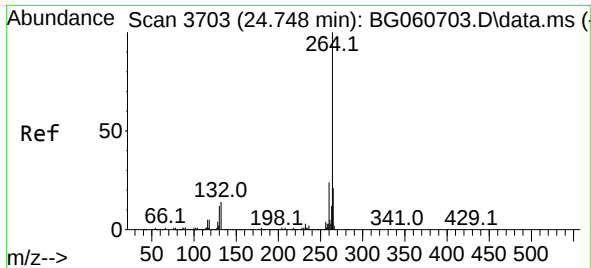
Tgt Ion:240 Resp: 351804
Ion Ratio Lower Upper
240 100
120 9.2 7.1 10.7
236 26.6 20.7 31.1



#79
Terphenyl-d14
Concen: 10.605 ng
RT: 19.951 min Scan# 2887
Delta R.T. -0.014 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Tgt Ion:244 Resp: 211889
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 8.1 7.8 11.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.734 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG060870.D
Acq: 11 Apr 2024 22:22

Instrument :
BNA_G
ClientSampleId :
HR-02-041024

Tgt Ion:	264	Resp:	407614
Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	22.3	16.9	25.3

