

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG061000.D
 Acq On : 22 Apr 2024 20:52
 Operator : MA/JU
 Sample : P2124-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-131-SB01DL

Quant Time: Apr 23 02:22:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

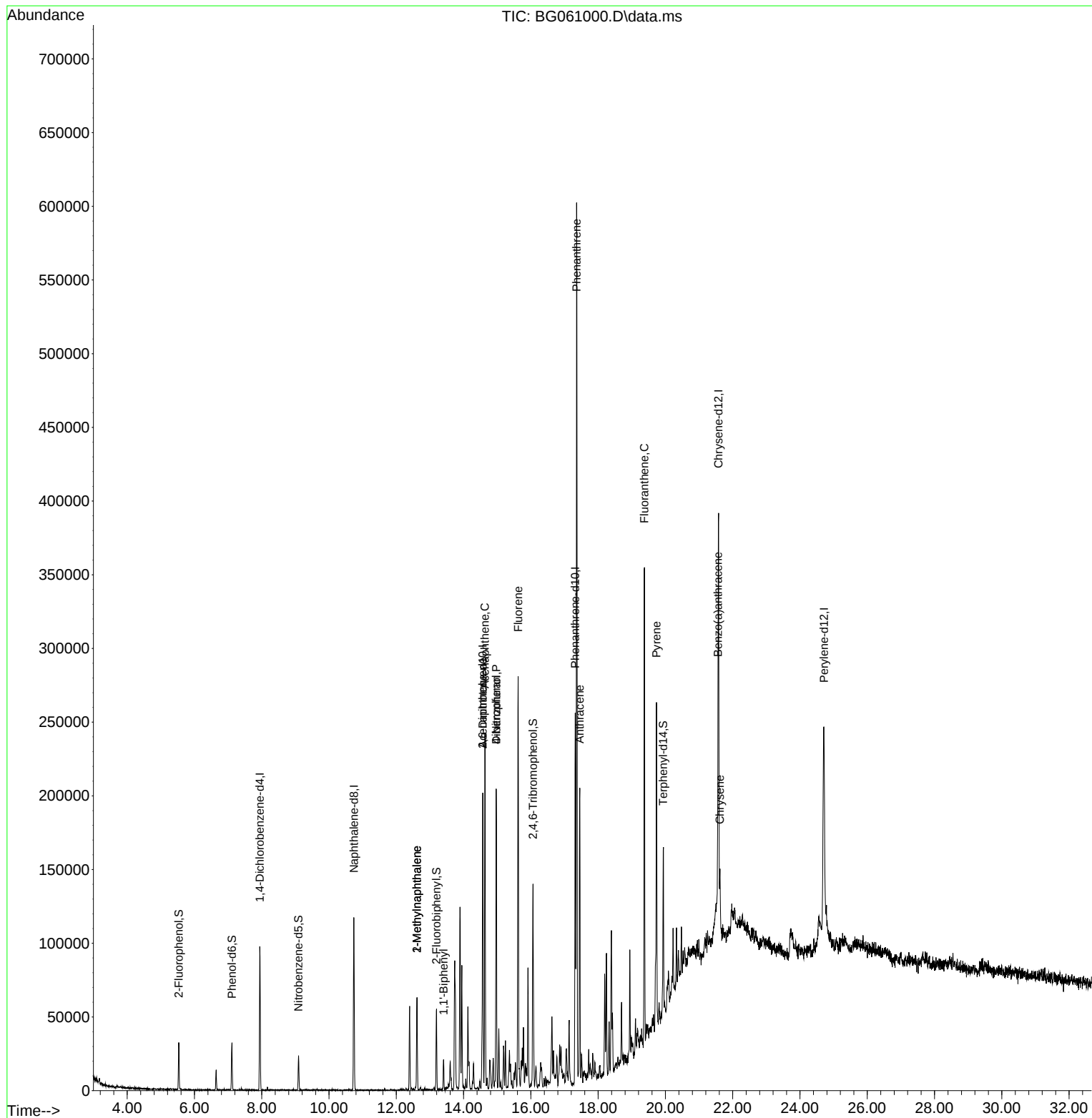
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	24898	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	90372	20.000	ng	# 0.00
39) Acenaphthene-d10	14.569	164	69877	20.000	ng	0.00
64) Phenanthrene-d10	17.319	188	159288	20.000	ng	0.00
76) Chrysene-d12	21.579	240	164690	20.000	ng	0.00
86) Perylene-d12	24.710	264	189027	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.533	112	11650	9.465	ng	0.00
7) Phenol-d6	7.113	99	14935	8.178	ng	0.00
23) Nitrobenzene-d5	9.093	82	11264	5.600	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	12549	8.178	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	29296	5.802	ng	0.00
79) Terphenyl-d14	19.933	244	54606	5.147	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	12.613	142	26757	6.878	ng	97
38) 1-Methylnaphthalene	12.613	142	26757	7.371	ng	91
46) 1,1'-Biphenyl	13.400	154	9598	2.039	ng	95
51) 2,6-Dinitrotoluene	14.569	165	12021	9.998	ng	# 19
52) Acenaphthene	14.634	154	85537	23.161	ng	99
55) Dibenzofuran	14.969	168	105645	16.566	ng	# 92
56) 4-Nitrophenol	14.969	139	44499	52.392	ng	# 1
58) Fluorene	15.621	166	119110	22.128	ng	98
71) Phenanthrene	17.360	178	379990	46.736	ng	99
72) Anthracene	17.454	178	130532	15.588	ng	97
75) Fluoranthene	19.375	202	206782	19.164	ng	96
78) Pyrene	19.734	202	141732	12.639	ng	99
81) Benzo(a)anthracene	21.561	228	35313	3.050	ng	97
83) Chrysene	21.620	228	27876	2.529	ng	99

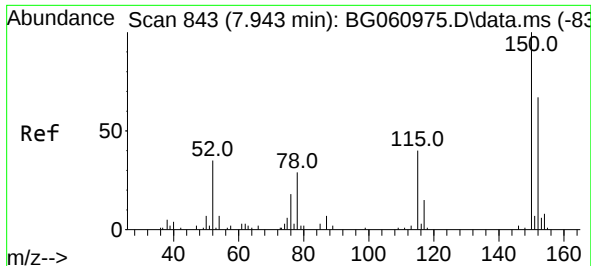
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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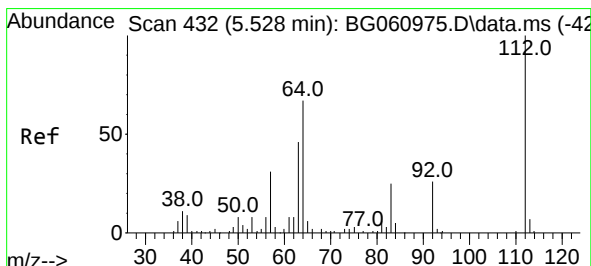
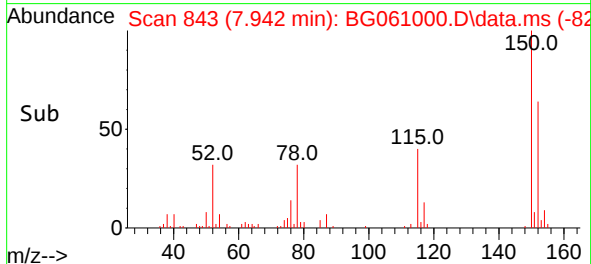
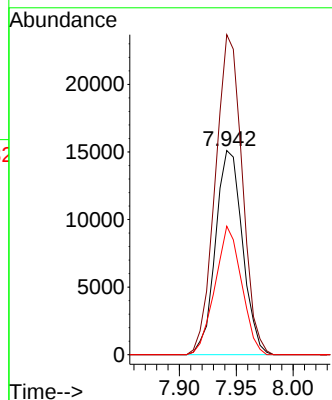
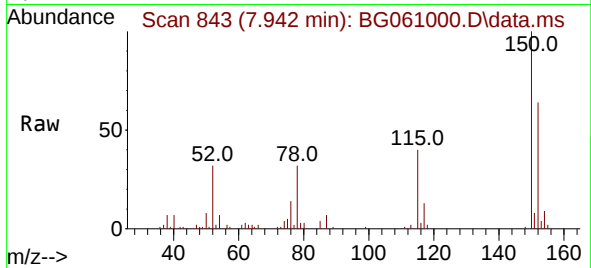




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.942 min Scan# 843
Delta R.T. -0.001 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

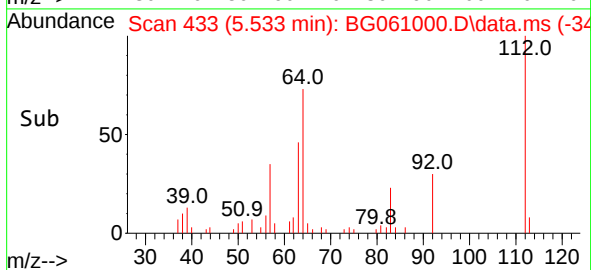
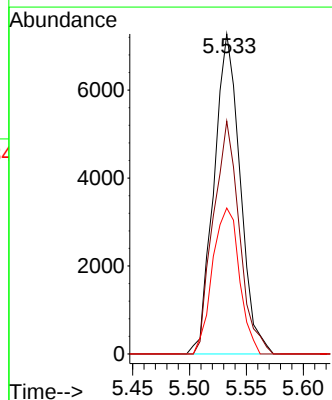
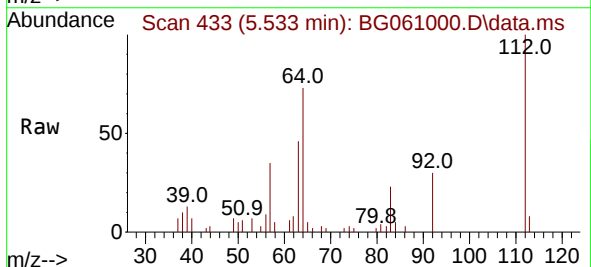
Instrument :
BNA_G
ClientSampleId :
B-131-SB01DL

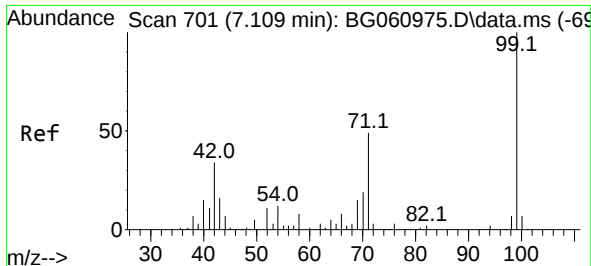
Tgt Ion:152 Resp: 24898
Ion Ratio Lower Upper
152 100
150 156.7 118.6 178.0
115 62.9 47.4 71.0



#5
2-Fluorophenol
Concen: 9.465 ng
RT: 5.533 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

Tgt Ion:112 Resp: 11650
Ion Ratio Lower Upper
112 100
64 72.7 53.7 80.5
63 45.6 37.0 55.6

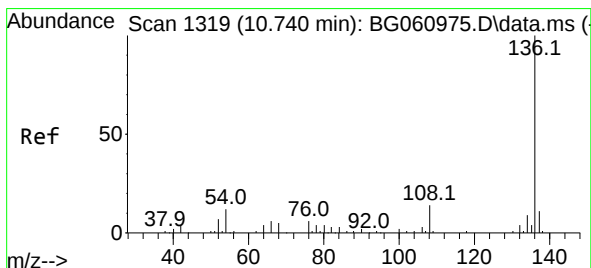
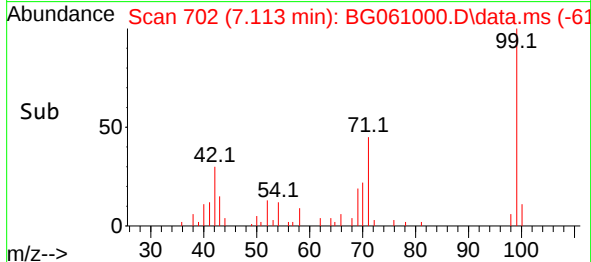
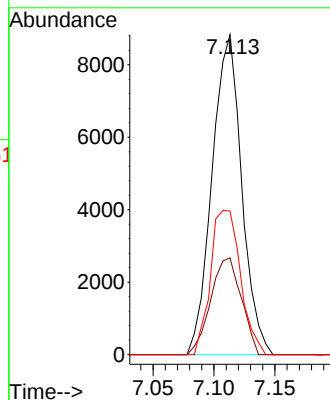
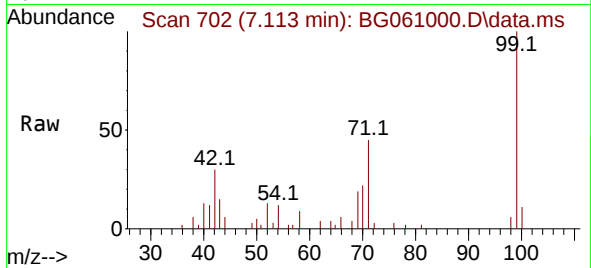




#7
Phenol-d6
Concen: 8.178 ng
RT: 7.113 min Scan# 701
Delta R.T. 0.005 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

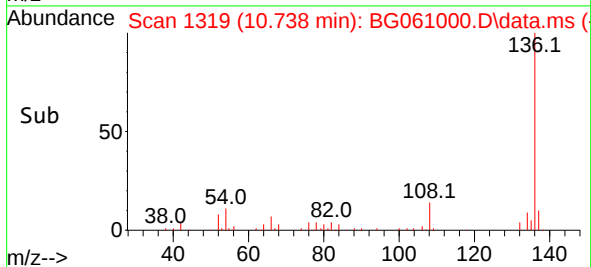
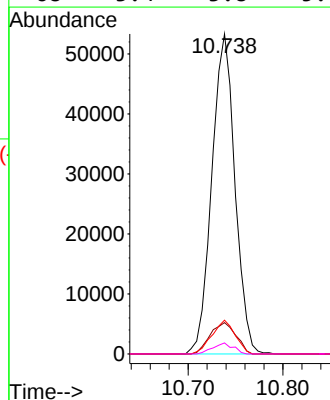
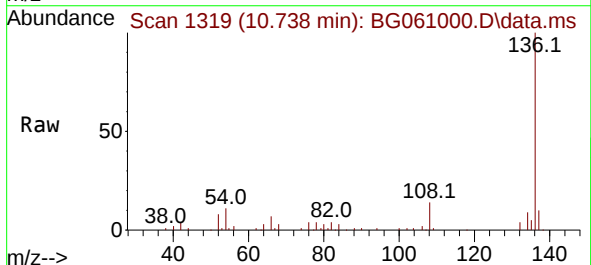
Instrument :
BNA_G
ClientSampleId :
B-131-SB01DL

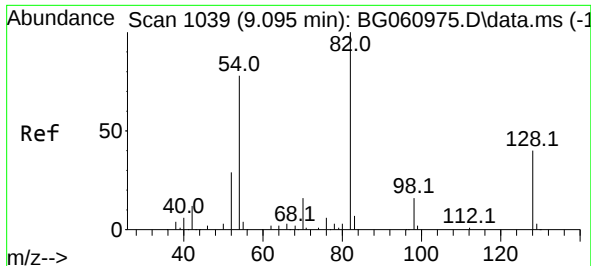
Tgt Ion: 99 Resp: 14935
Ion Ratio Lower Upper
99 100
42 30.3 27.2 40.8
71 44.9 38.8 58.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 1319
Delta R.T. -0.002 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

Tgt Ion: 136 Resp: 90372
Ion Ratio Lower Upper
136 100
137 9.8 8.5 12.7
54 10.6 9.4 14.0
68 3.4 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 5.600 ng

RT: 9.093 min Scan# 1039

Delta R.T. -0.001 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

Instrument :

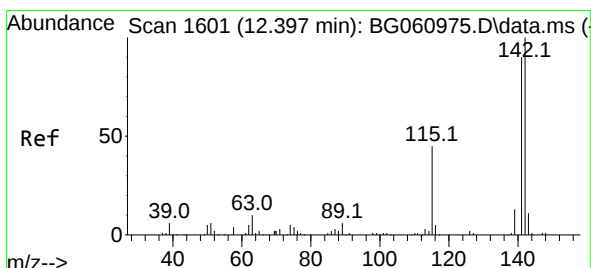
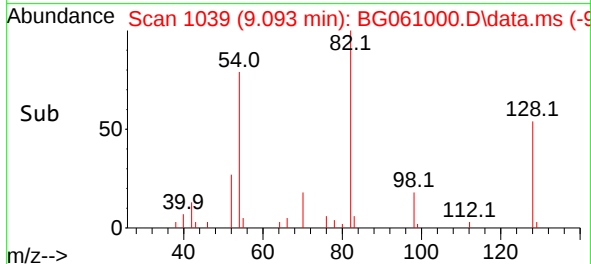
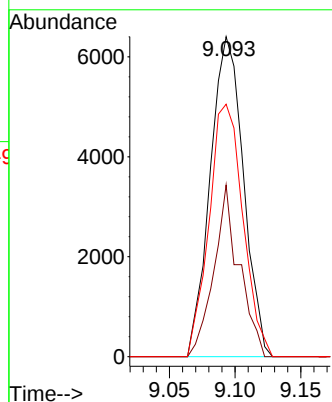
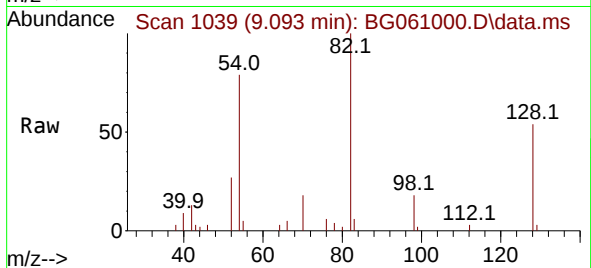
BNA_G

ClientSampleId :

B-131-SB01DL

Tgt Ion: 82 Resp: 11264

Ion	Ratio	Lower	Upper
82	100		
128	53.6	32.1	48.1#
54	78.9	62.3	93.5



#37

2-Methylnaphthalene

Concen: 6.878 ng

RT: 12.613 min Scan# 1638

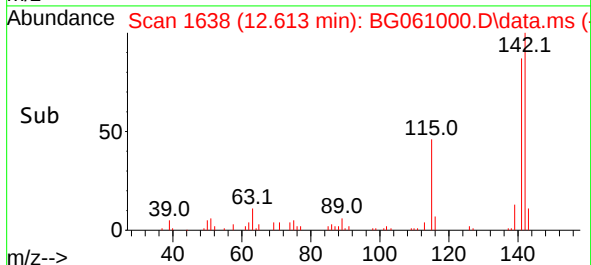
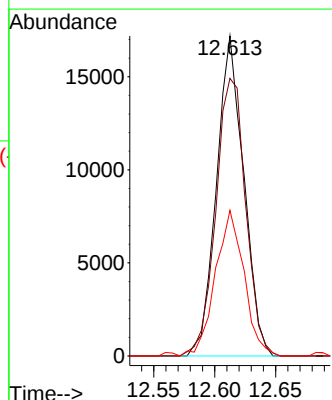
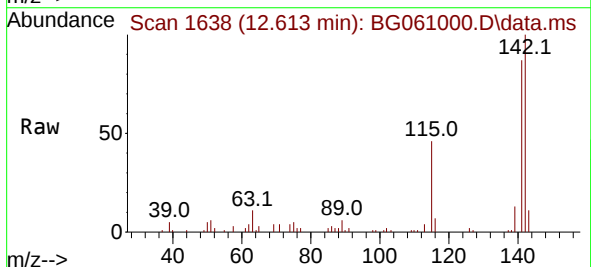
Delta R.T. 0.216 min

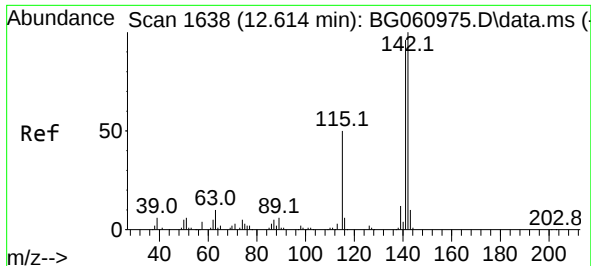
Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

Tgt Ion: 142 Resp: 26757

Ion	Ratio	Lower	Upper
142	100		
141	86.7	72.2	108.4
115	45.5	35.9	53.9

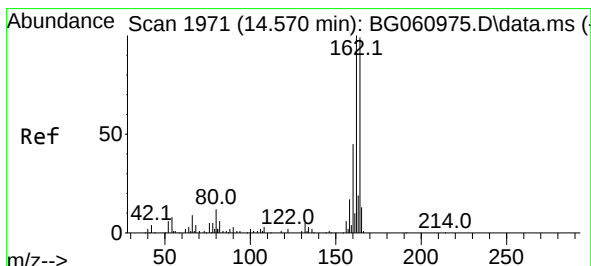
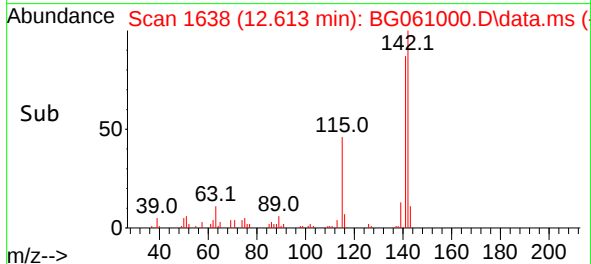
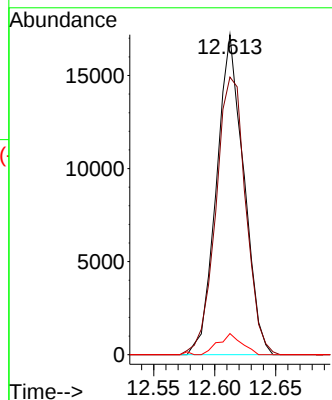
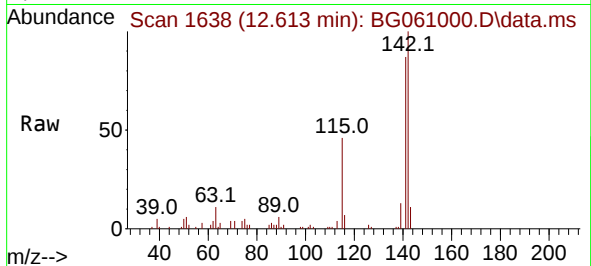




#38
1-Methylnaphthalene
Concen: 7.371 ng
RT: 12.613 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

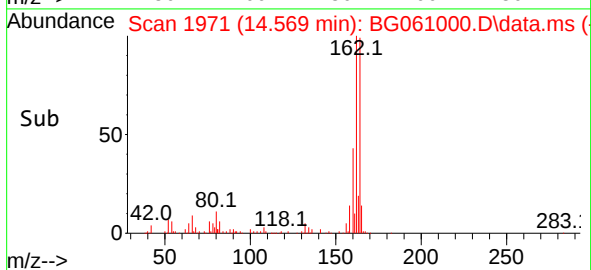
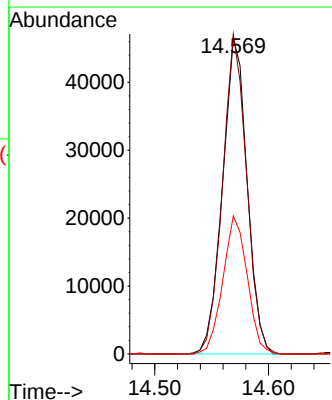
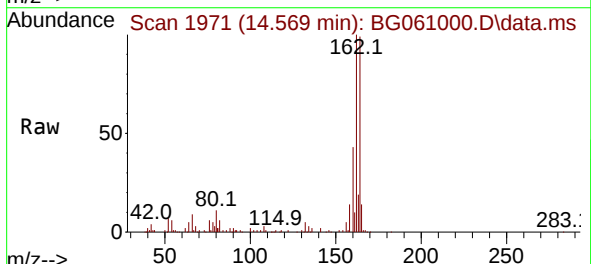
Instrument :
BNA_G
ClientSampleId :
B-131-SB01DL

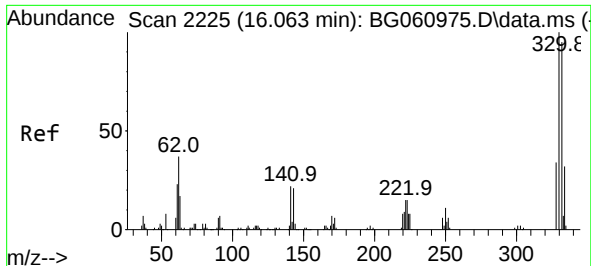
Tgt Ion:142 Resp: 26757
Ion Ratio Lower Upper
142 100
141 86.7 76.8 115.2
116 6.6 4.4 6.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

Tgt Ion:164 Resp: 69877
Ion Ratio Lower Upper
164 100
162 101.2 81.2 121.8
160 43.7 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 8.178 ng

RT: 16.061 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

Instrument :

BNA_G

ClientSampleId :

B-131-SB01DL

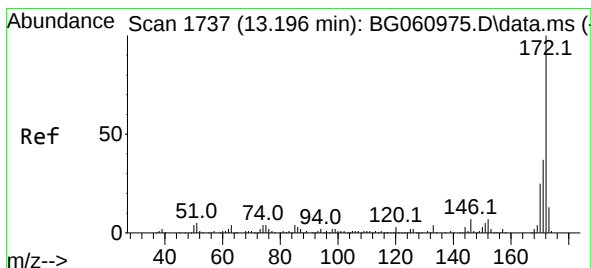
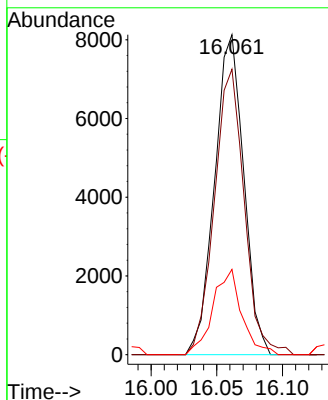
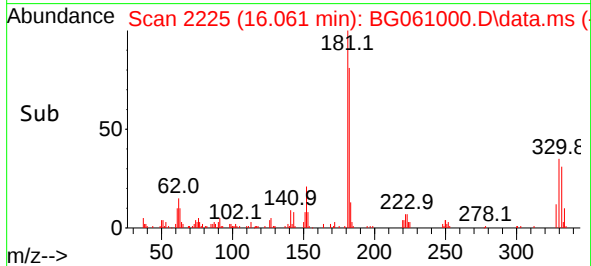
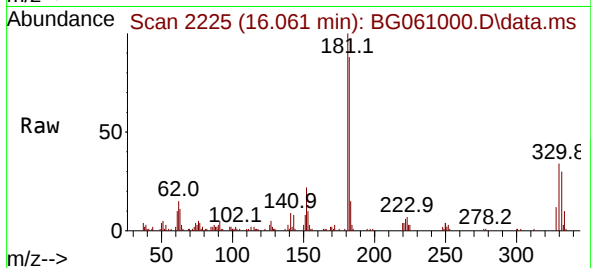
Tgt Ion:330 Resp: 12549

Ion Ratio Lower Upper

330 100

332 91.3 77.1 115.7

141 26.3 20.6 31.0



#45

2-Fluorobiphenyl

Concen: 5.802 ng

RT: 13.194 min Scan# 1737

Delta R.T. -0.001 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

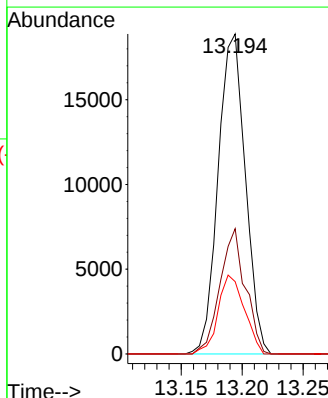
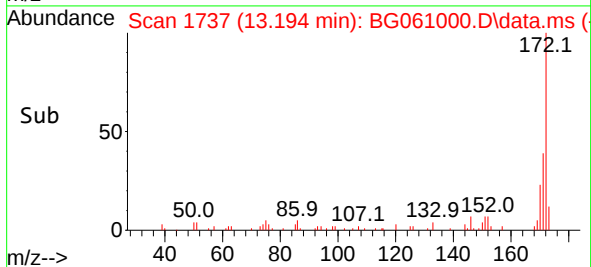
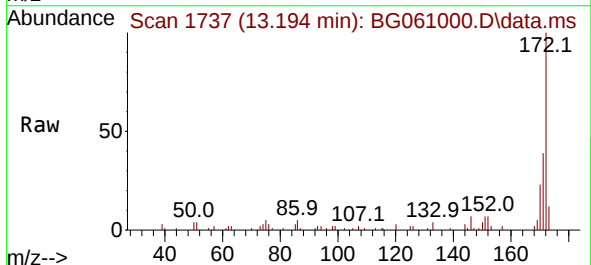
Tgt Ion:172 Resp: 29296

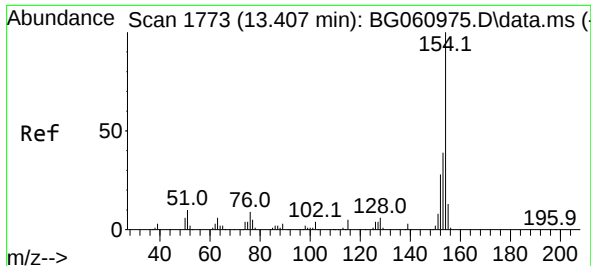
Ion Ratio Lower Upper

172 100

171 39.2 29.3 43.9

170 22.6 20.1 30.1

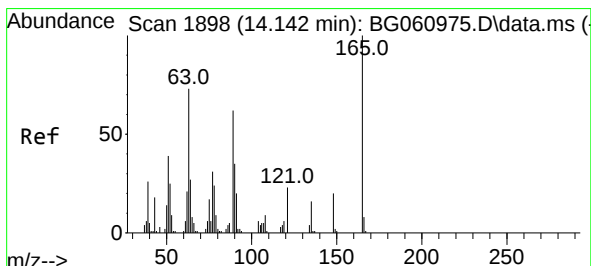
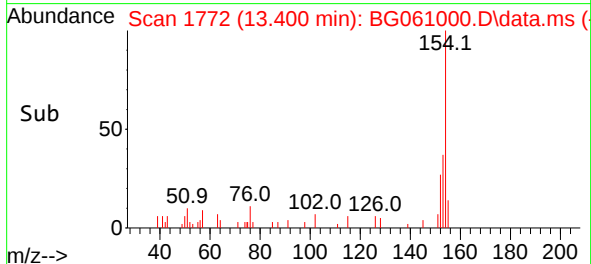
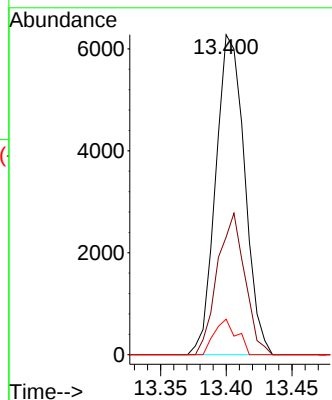
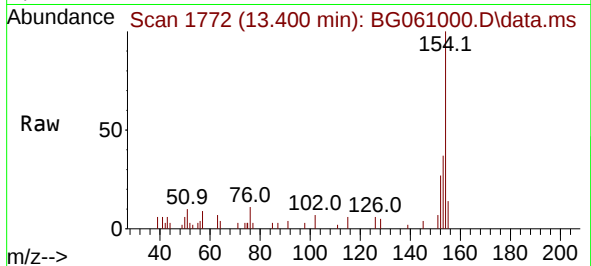




#46
1,1'-Biphenyl
Concen: 2.039 ng
RT: 13.400 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

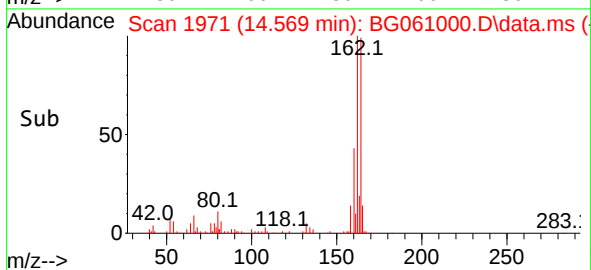
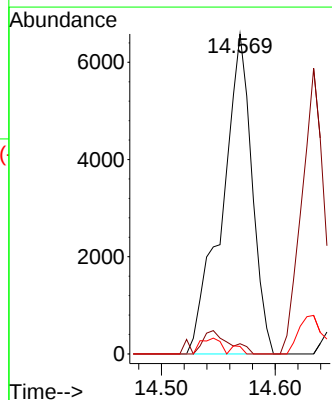
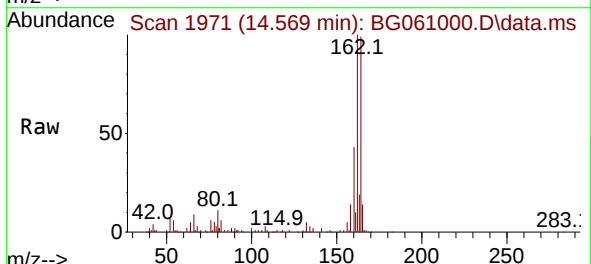
Instrument :
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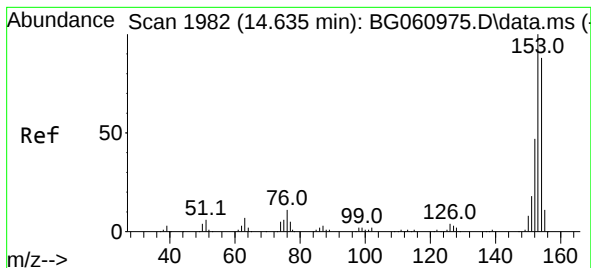
Tgt Ion:154 Resp: 9598
Ion Ratio Lower Upper
154 100
153 36.7 19.4 59.4
76 11.1 0.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.998 ng
RT: 14.569 min Scan# 1971
Delta R.T. 0.428 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

Tgt Ion:165 Resp: 12021
Ion Ratio Lower Upper
165 100
63 3.2 59.6 89.4#
89 2.3 49.4 74.0#





#52

Acenaphthene

Concen: 23.161 ng

RT: 14.634 min Scan# 1982

Delta R.T. -0.001 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

Instrument :

BNA_G

ClientSampleId :

B-131-SB01DL

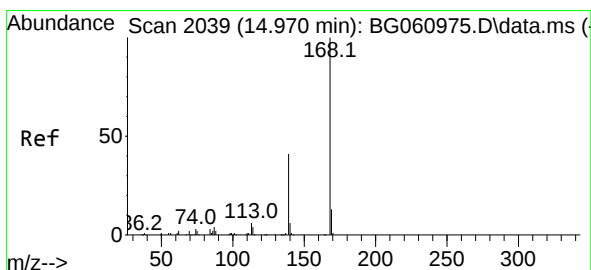
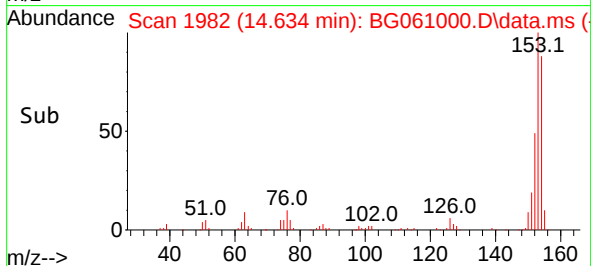
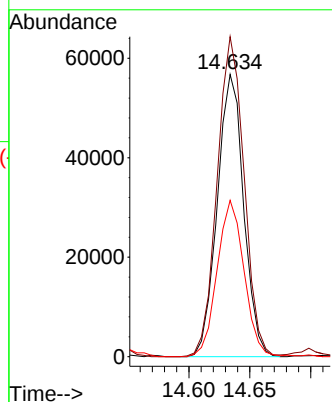
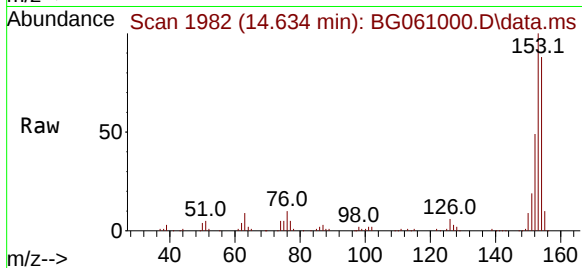
Tgt Ion:154 Resp: 85537

Ion Ratio Lower Upper

154 100

153 113.3 91.2 136.8

152 55.4 42.7 64.1



#55

Dibenzofuran

Concen: 16.566 ng

RT: 14.969 min Scan# 2039

Delta R.T. -0.001 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

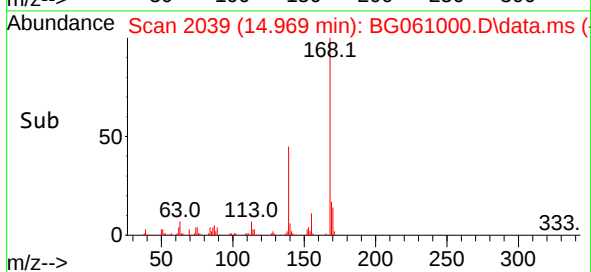
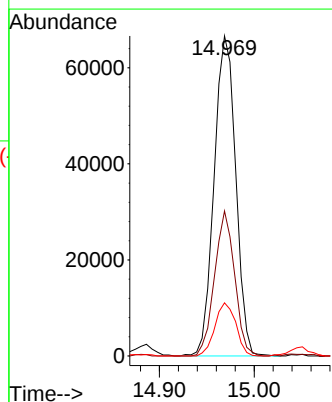
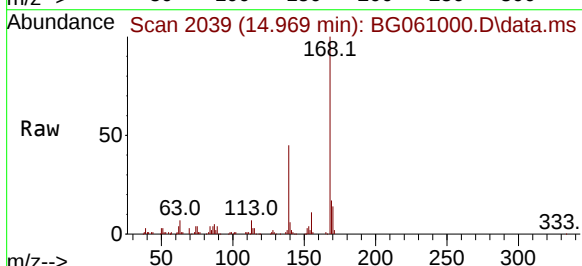
Tgt Ion:168 Resp: 105645

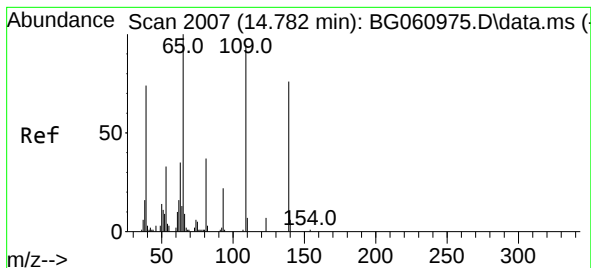
Ion Ratio Lower Upper

168 100

139 45.3 32.4 48.6

169 16.6 10.6 15.8#

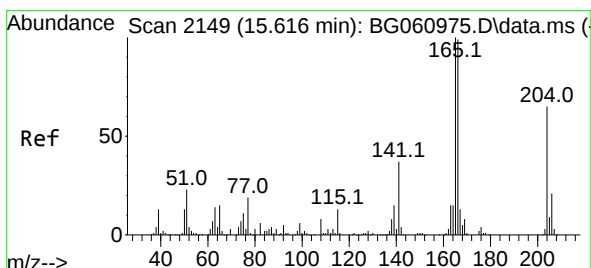
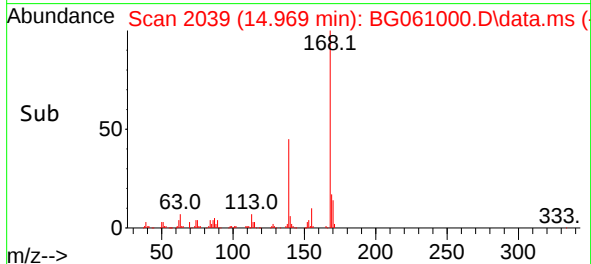
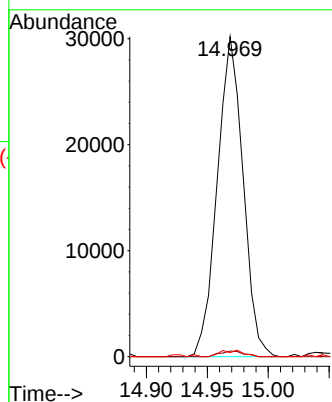
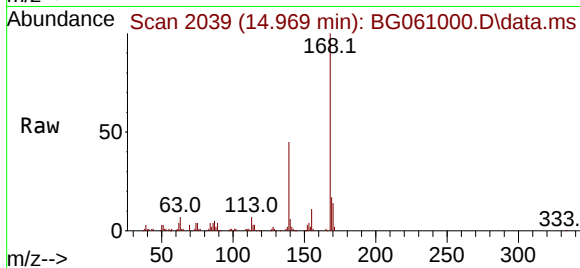




#56
4-Nitrophenol
Concen: 52.392 ng
RT: 14.969 min Scan# 20
Delta R.T. 0.187 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

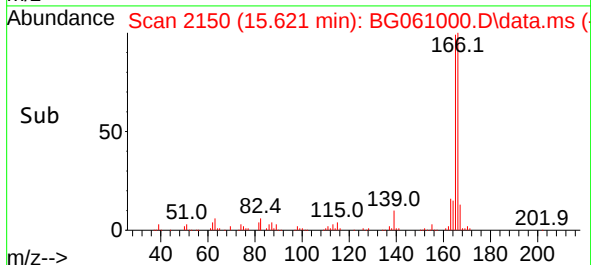
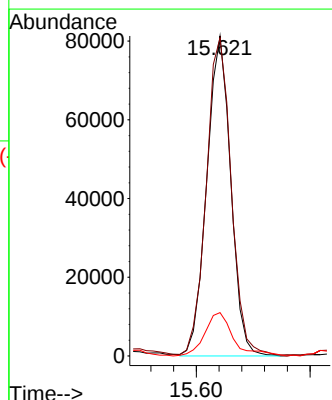
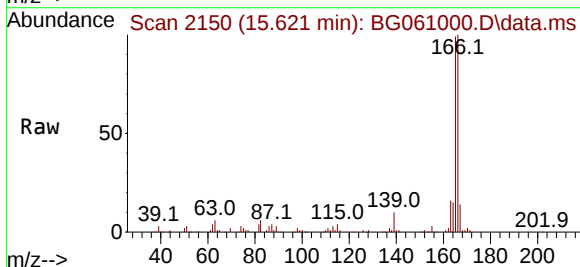
Instrument :
BNA_G
ClientSampleId :
B-131-SB01DL

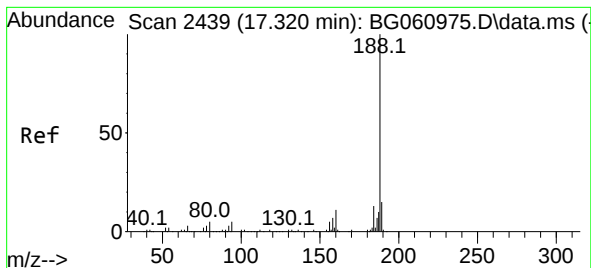
Tgt Ion:139 Resp: 44499
Ion Ratio Lower Upper
139 100
109 1.8 104.1 144.1#
65 1.3 112.0 152.0#



#58
Fluorene
Concen: 22.128 ng
RT: 15.621 min Scan# 2150
Delta R.T. 0.005 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

Tgt Ion:166 Resp: 119110
Ion Ratio Lower Upper
166 100
165 99.4 80.9 121.3
167 13.6 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.319 min Scan# 2439

Delta R.T. -0.001 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

Instrument :

BNA_G

ClientSampleId :

B-131-SB01DL

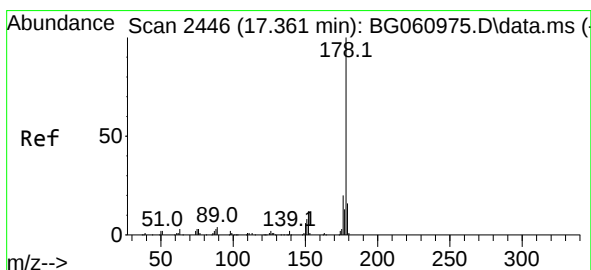
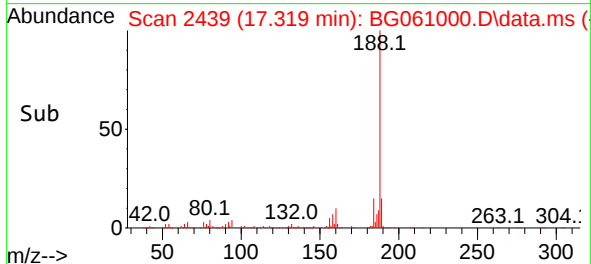
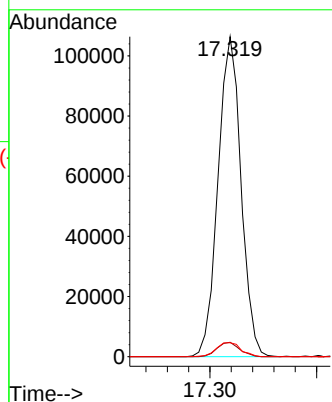
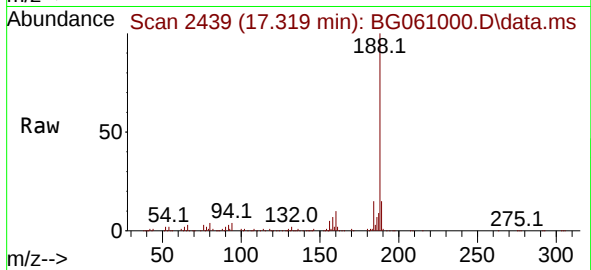
Tgt Ion:188 Resp: 159288

Ion Ratio Lower Upper

188 100

94 4.5 4.1 6.1

80 4.4 4.0 6.0



#71

Phenanthrene

Concen: 46.736 ng

RT: 17.360 min Scan# 2446

Delta R.T. -0.001 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

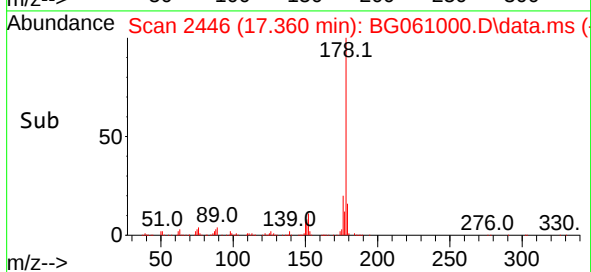
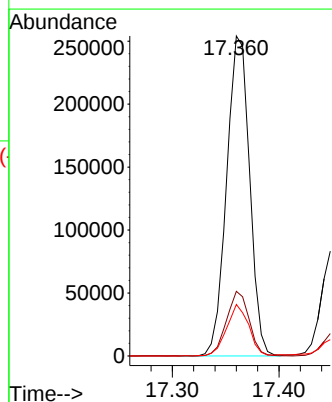
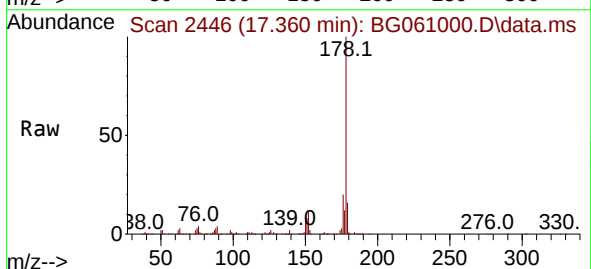
Tgt Ion:178 Resp: 379990

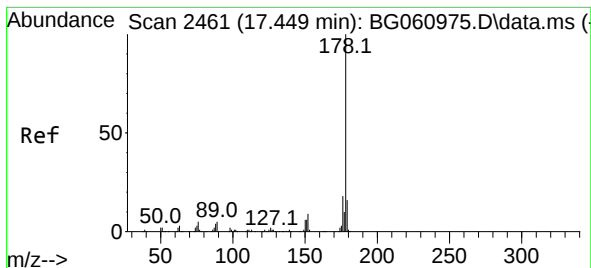
Ion Ratio Lower Upper

178 100

176 20.2 16.0 24.0

179 16.1 12.5 18.7





#72

Anthracene

Concen: 15.588 ng

RT: 17.454 min Scan# 2462

Delta R.T. 0.005 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

Instrument :

BNA_G

ClientSampleId :

B-131-SB01DL

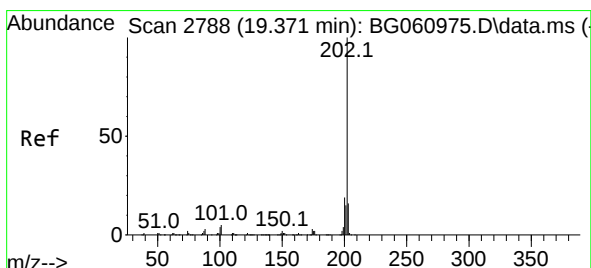
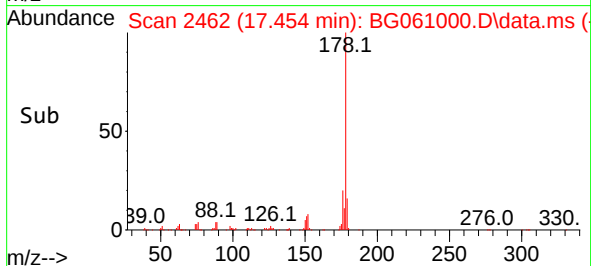
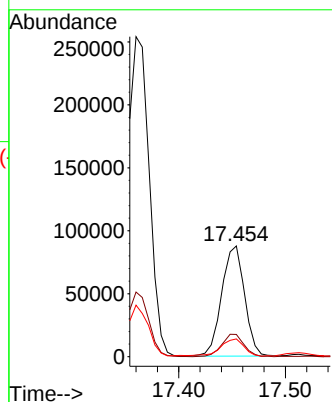
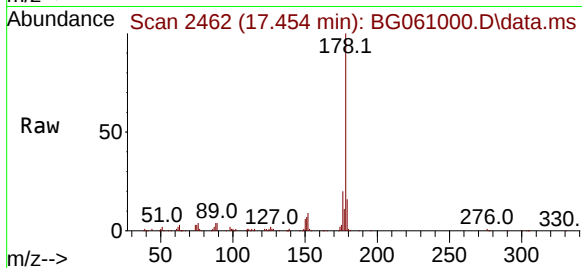
Tgt Ion:178 Resp: 130532

Ion Ratio Lower Upper

178 100

176 20.0 14.7 22.1

179 16.1 12.4 18.6



#75

Fluoranthene

Concen: 19.164 ng

RT: 19.375 min Scan# 2789

Delta R.T. 0.005 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

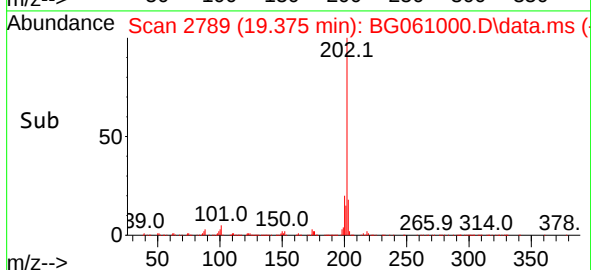
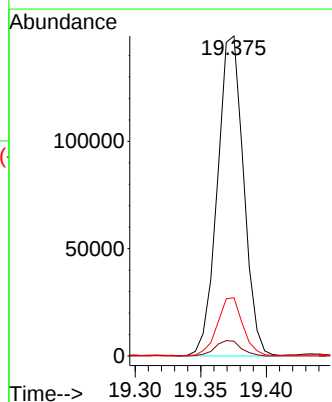
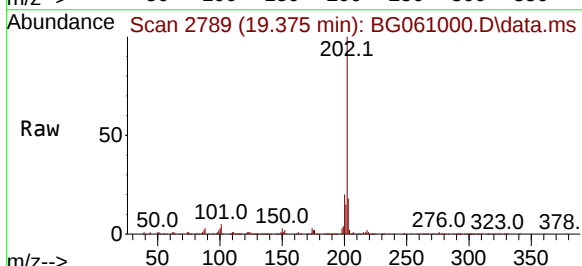
Tgt Ion:202 Resp: 206782

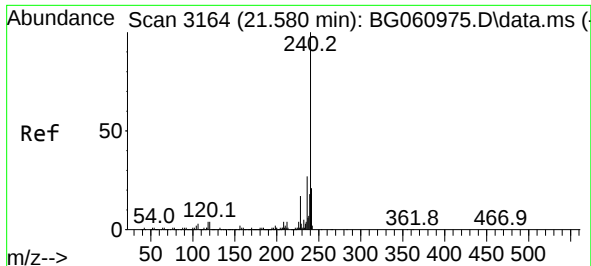
Ion Ratio Lower Upper

202 100

101 4.6 0.0 24.9

203 18.2 0.0 36.2

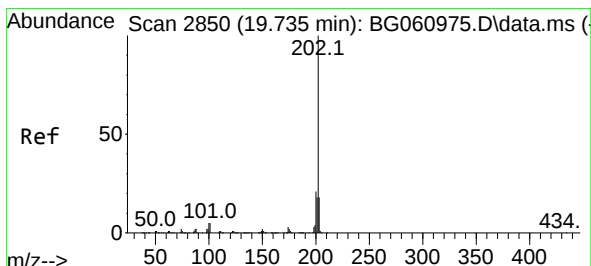
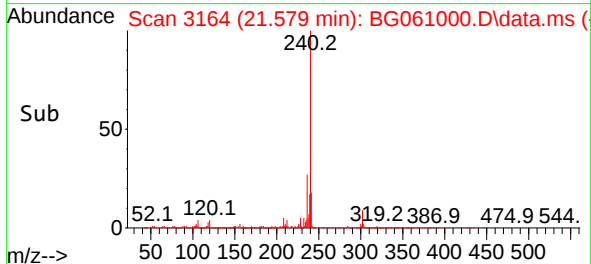
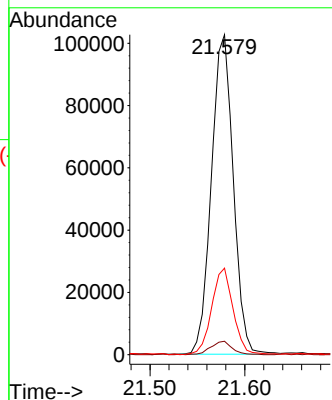
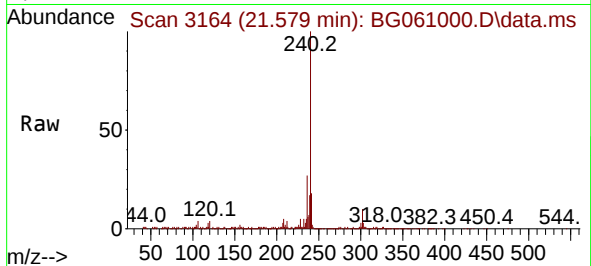




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.579 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

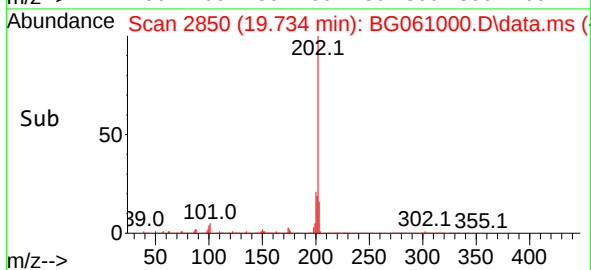
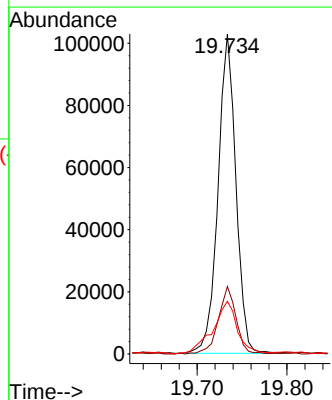
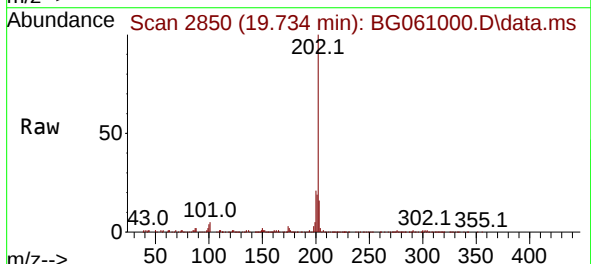
Instrument :
BNA_G
ClientSampleId :
B-131-SB01DL

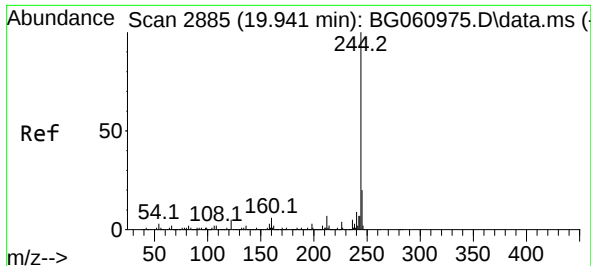
Tgt Ion:240 Resp: 164690
Ion Ratio Lower Upper
240 100
120 4.2 3.0 4.6
236 27.1 21.8 32.6



#78
Pyrene
Concen: 12.639 ng
RT: 19.734 min Scan# 2850
Delta R.T. -0.001 min
Lab File: BG061000.D
Acq: 22 Apr 2024 20:52

Tgt Ion:202 Resp: 141732
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 16.5 14.2 21.2

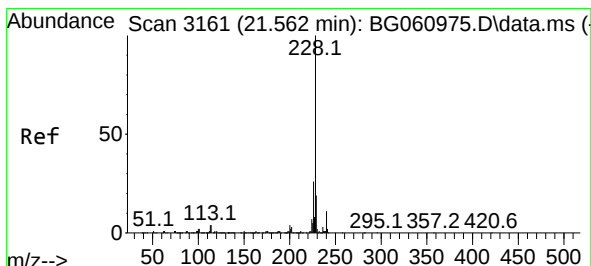
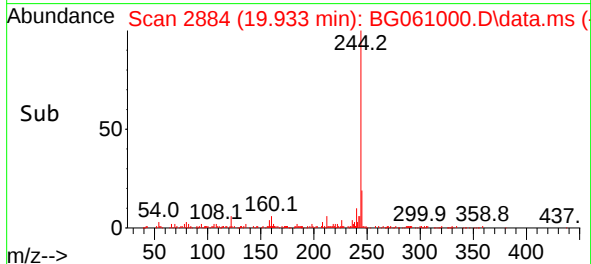
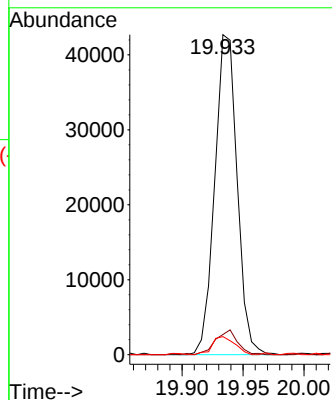
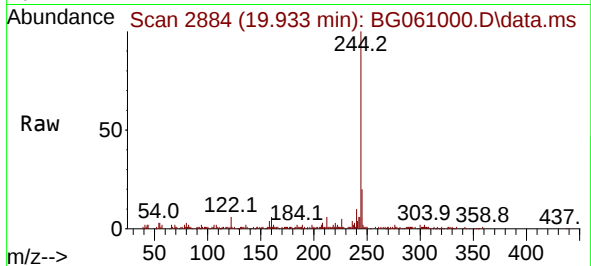




#79
 Terphenyl-d14
 Concen: 5.147 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG061000.D
 Acq: 22 Apr 2024 20:52

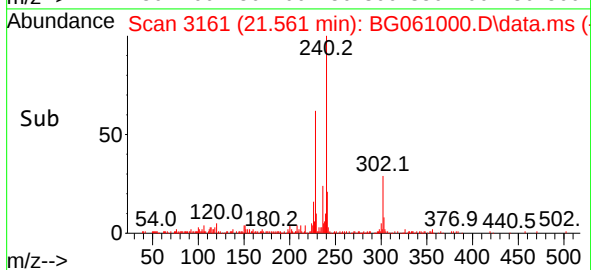
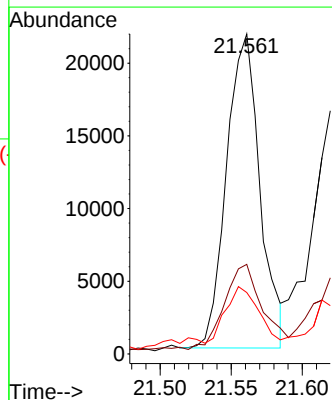
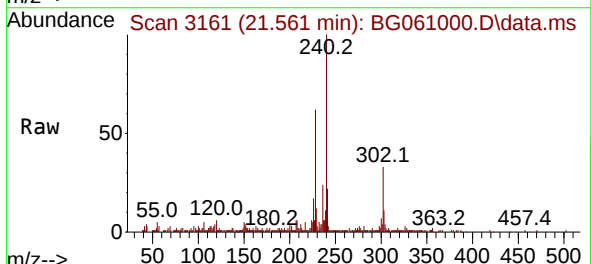
Instrument :
 BNA_G
 ClientSampleId :
 B-131-SB01DL

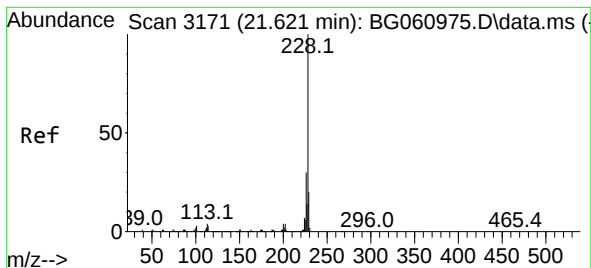
Tgt Ion:244	Resp:	54606
Ion Ratio	Lower	Upper
244	100	
212	6.3	5.9 8.9
122	5.6	4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 3.050 ng
 RT: 21.561 min Scan# 3161
 Delta R.T. -0.001 min
 Lab File: BG061000.D
 Acq: 22 Apr 2024 20:52

Tgt Ion:228	Resp:	35313
Ion Ratio	Lower	Upper
228	100	
226	28.0	21.0 31.4
229	19.2	15.0 22.4





#83

Chrysene

Concen: 2.529 ng

RT: 21.620 min Scan# 3171

Delta R.T. -0.001 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

Instrument :

BNA_G

ClientSampleId :

B-131-SB01DL

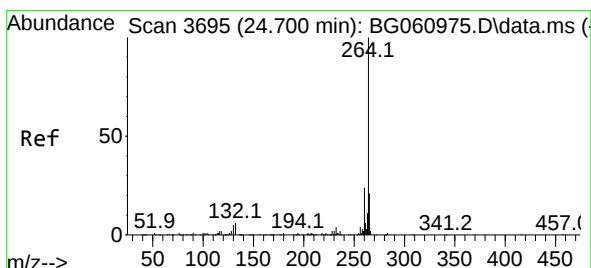
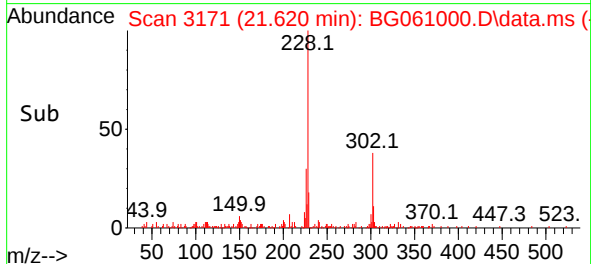
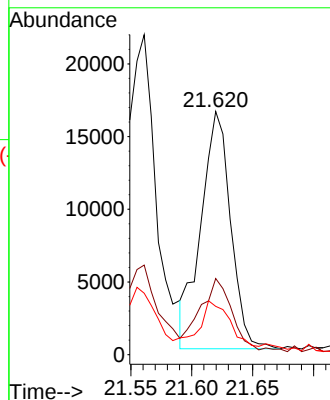
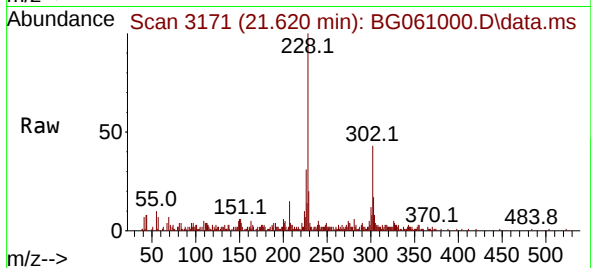
Tgt Ion:228 Resp: 27876

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

229 19.8 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.710 min Scan# 3697

Delta R.T. 0.010 min

Lab File: BG061000.D

Acq: 22 Apr 2024 20:52

Tgt Ion:264 Resp: 189027

Ion Ratio Lower Upper

264 100

260 21.6 19.4 29.2

265 22.9 17.0 25.4

