

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
 Data File : BG060953.D
 Acq On : 19 Apr 2024 2:45
 Operator : MA/JU
 Sample : P2148-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11935

Quant Time: Apr 19 04:15:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

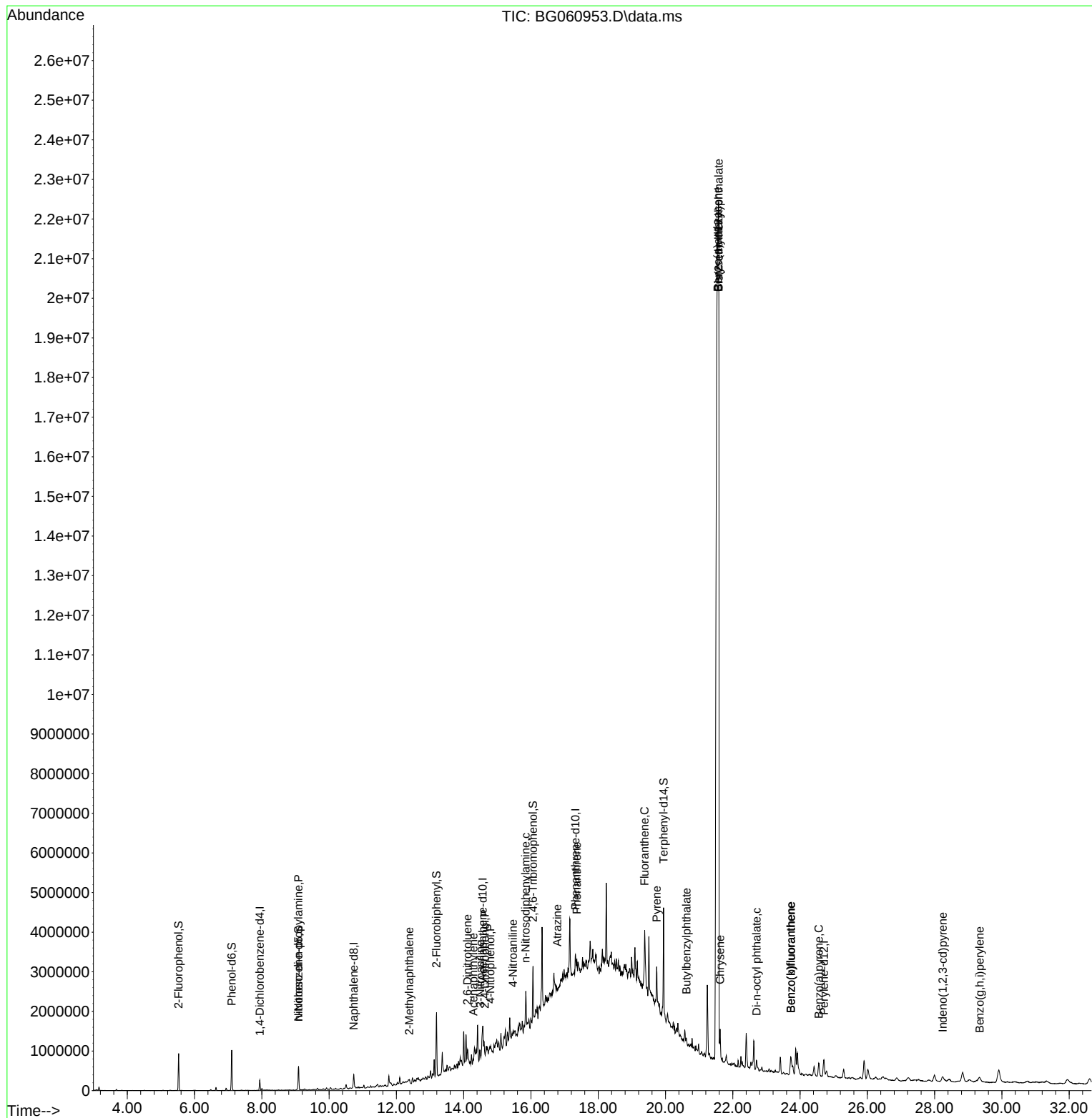
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	69527	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	266191	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	194708	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	396843	20.000	ng	# 0.00
76) Chrysene-d12	21.578	240	176297	20.000	ng	# 0.00
86) Perylene-d12	24.710	264	484756	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	347535	86.824	ng	0.00
7) Phenol-d6	7.107	99	508042	88.105	ng	0.00
23) Nitrobenzene-d5	9.093	82	332152	56.647	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	260836	81.090	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	822228	61.969	ng	0.00
79) Terphenyl-d14	19.945	244	1317445	130.419	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.093	70	44977	10.240	ng	# 72
37) 2-Methylnaphthalene	12.389	142	23436	2.152	ng	98
49) Acenaphthylene	14.293	152	34360	2.005	ng	# 47
51) 2,6-Dinitrotoluene	14.116	165	19717	6.261	ng	# 31
53) 3-Nitroaniline	14.492	138	10029	2.901	ng	# 23
54) 2,4-Dinitrophenol	14.627	184	130	5.496	ng	# 1
56) 4-Nitrophenol	14.792	139	5954	2.250	ng	# 1
62) 4-Nitroaniline	15.468	138	17079	4.595	ng	82
66) n-Nitrosodiphenylamine	15.838	169	44971	4.128	ng	# 47
69) Atrazine	16.784	200	8779	2.242	ng	# 1
71) Phenanthrene	17.365	178	161094	8.020	ng	# 78
75) Fluoranthene	19.381	202	584796	22.873	ng	97
78) Pyrene	19.739	202	609237	50.376	ng	98
80) Butylbenzylphthalate	20.626	149	22830	5.140	ng	# 59
81) Benzo(a)anthracene	21.555	228	145780	11.710	ng	97
83) Chrysene	21.625	228	395569	33.279	ng	97
84) Bis(2-ethylhexyl)phtha...	21.584	149	18346710	2793.191	ng	# 37
85) Di-n-octyl phthalate	22.706	149	128346	11.324	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.241	276	255612	7.625	ng	# 92
88) Benzo(b)fluoranthene	23.729	252	551210	20.097	ng	# 96
89) Benzo(k)fluoranthene	23.729	252	551210	19.645	ng	# 98
90) Benzo(a)pyrene	24.557	252	372432	13.773	ng	# 96
92) Benzo(g,h,i)perylene	29.340	276	242901	9.004	ng	93

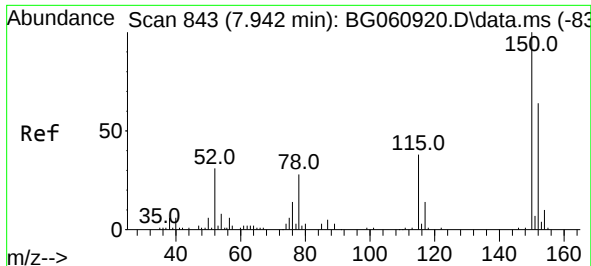
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
Data File : BG060953.D
Acq On : 19 Apr 2024 2:45
Operator : MA/JU
Sample : P2148-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11935

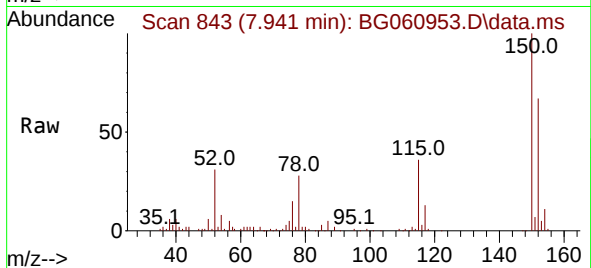
Quant Time: Apr 19 04:15:07 2024
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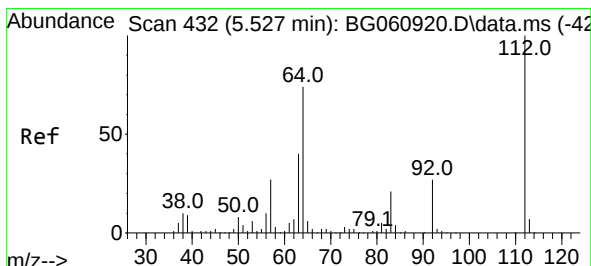
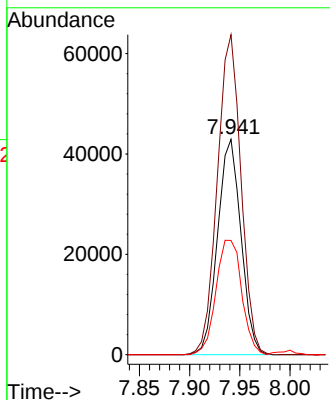
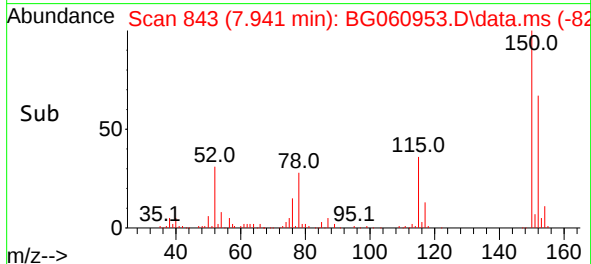


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 843
Delta R.T. -0.001 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

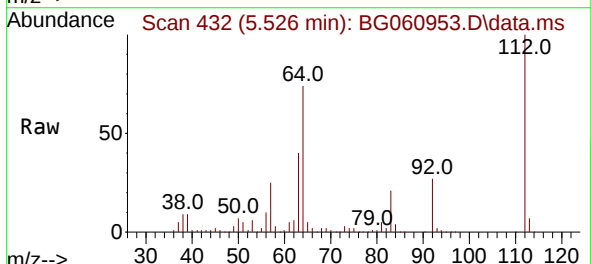
Instrument :
BNA_G
ClientSampleId :
72-11935



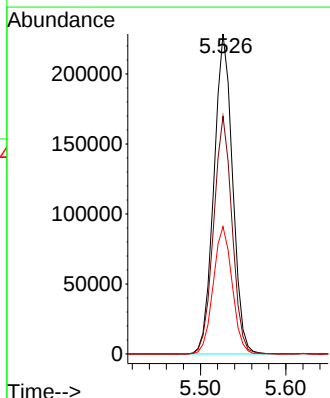
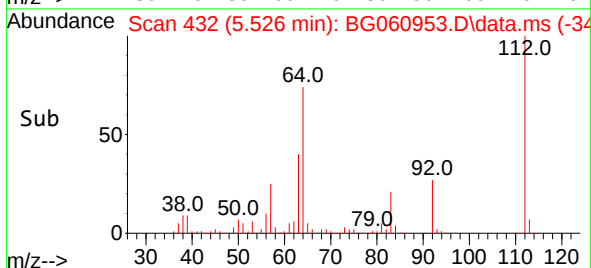
Tgt Ion:152 Resp: 69527
Ion Ratio Lower Upper
152 100
150 148.5 125.6 188.4
115 53.0 47.1 70.7

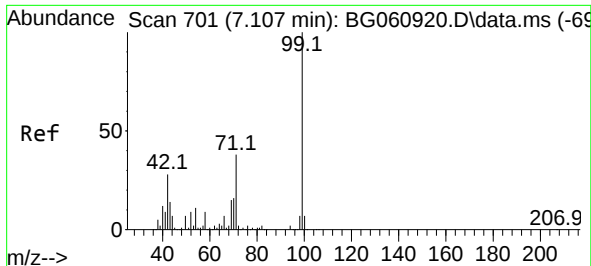


#5
2-Fluorophenol
Concen: 86.824 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45



Tgt Ion:112 Resp: 347535
Ion Ratio Lower Upper
112 100
64 74.3 58.9 88.3
63 39.8 32.1 48.1

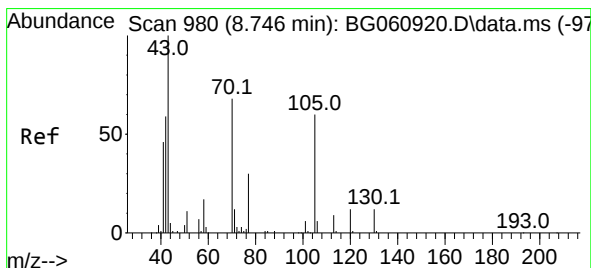
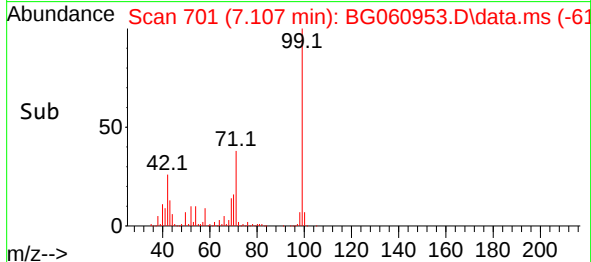
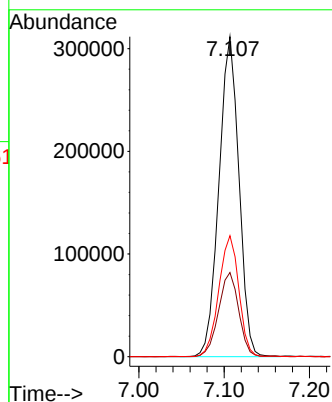
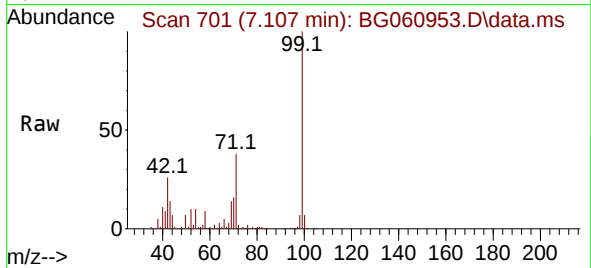




#7
Phenol-d6
Concen: 88.105 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

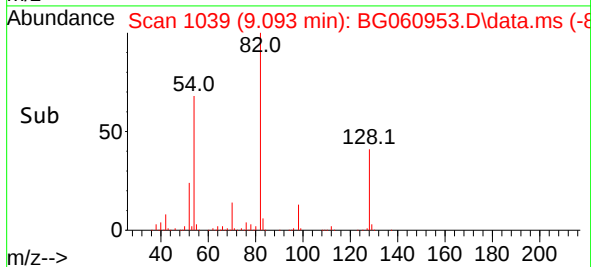
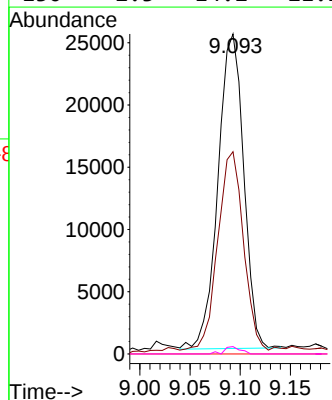
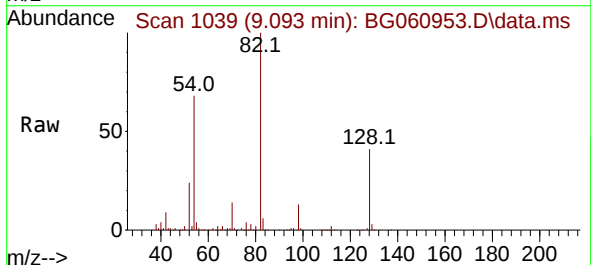
Instrument :
BNA_G
ClientSampleId :
72-11935

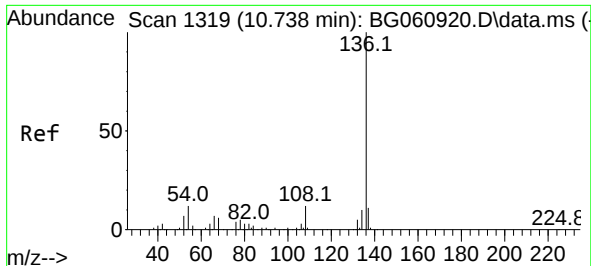
Tgt Ion: 99 Resp: 508042
Ion Ratio Lower Upper
99 100
42 26.3 22.2 33.2
71 37.8 30.5 45.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.240 ng
RT: 9.093 min Scan# 1039
Delta R.T. 0.346 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion: 70 Resp: 44977
Ion Ratio Lower Upper
70 100
42 63.2 70.9 106.3#
101 0.0 7.0 10.4#
130 2.3 14.2 21.2#

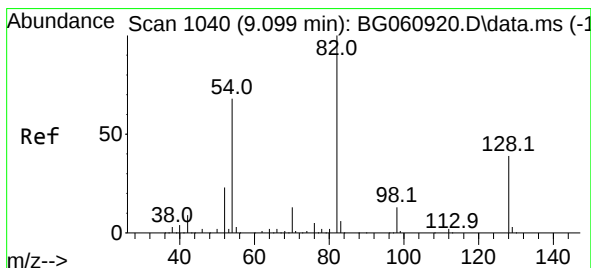
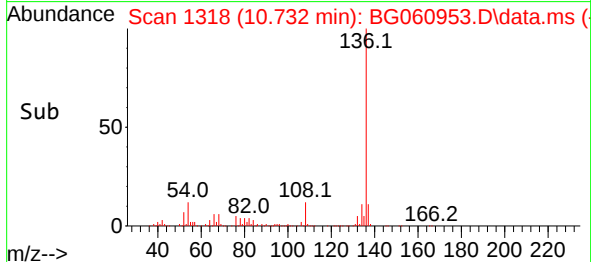
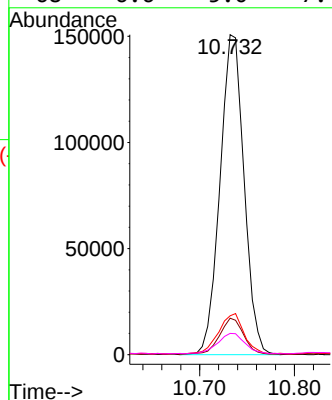
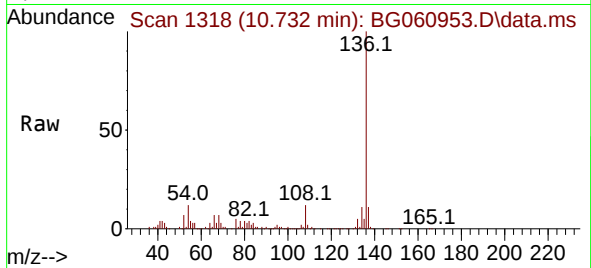




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

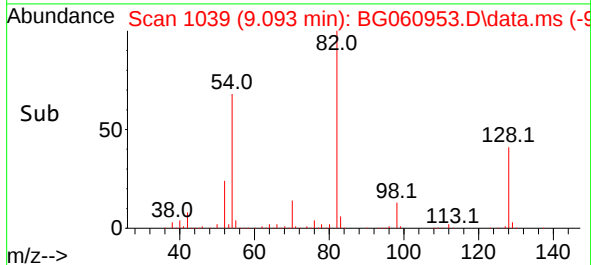
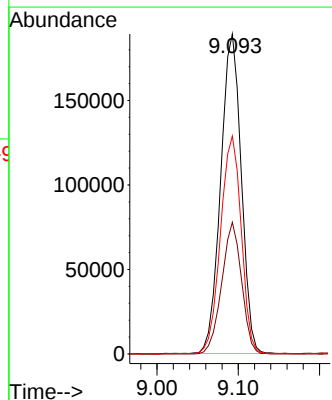
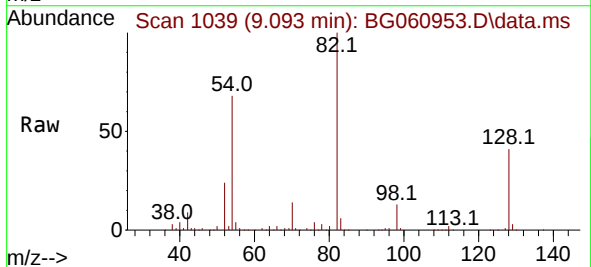
Instrument :
BNA_G
ClientSampleId :
72-11935

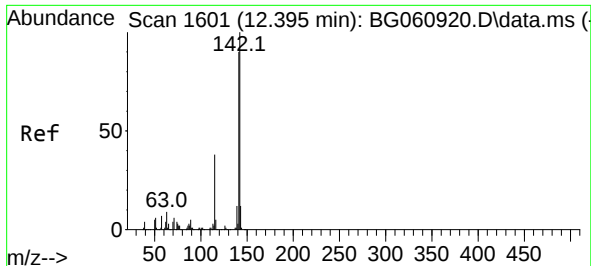
Tgt Ion:136	Resp: 266191
Ion Ratio	Lower Upper
136 100	
137 11.4	8.8 13.2
54 12.2	9.8 14.8
68 6.6	5.0 7.4



#23
Nitrobenzene-d5
Concen: 56.647 ng
RT: 9.093 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion: 82	Resp: 332152
Ion Ratio	Lower Upper
82 100	
128 41.1	31.4 47.0
54 68.1	54.2 81.4





#37

2-Methylnaphthalene

Concen: 2.152 ng

RT: 12.389 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

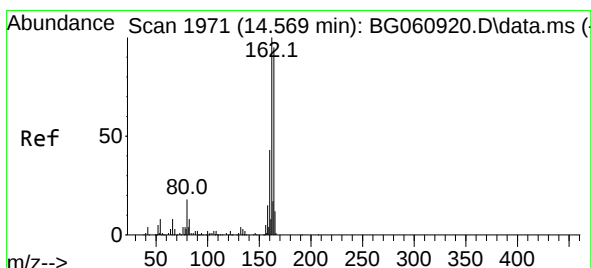
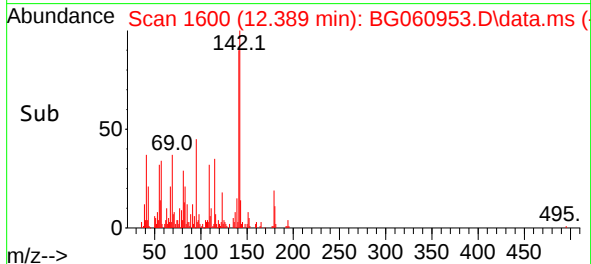
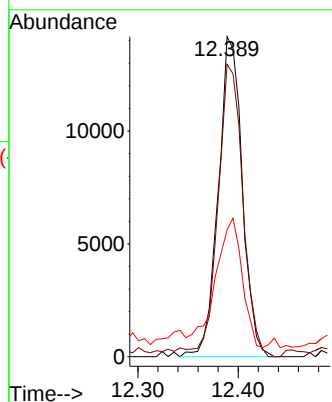
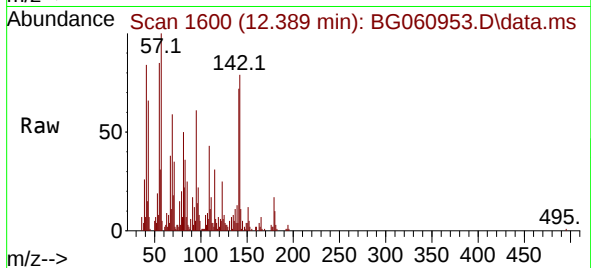
Tgt Ion:142 Resp: 23436

Ion Ratio Lower Upper

142 100

141 91.4 71.7 107.5

115 39.7 30.6 45.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1971

Delta R.T. -0.000 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

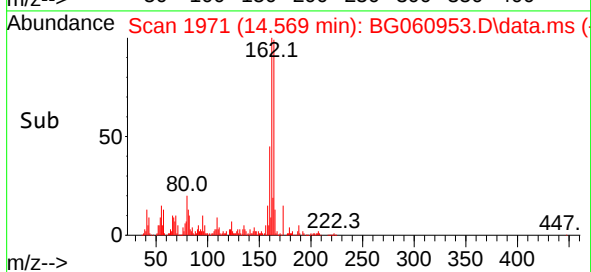
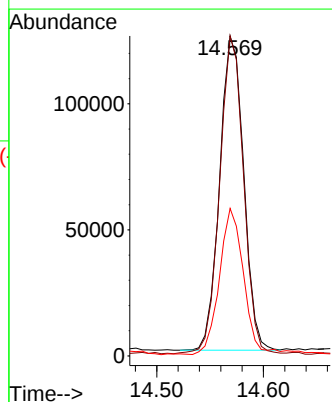
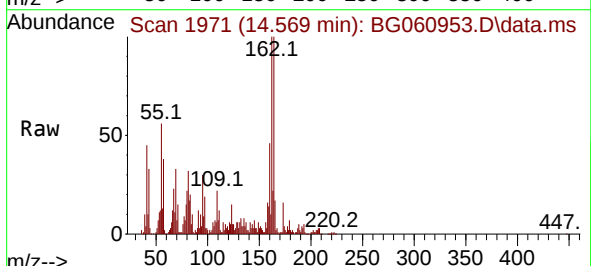
Tgt Ion:164 Resp: 194708

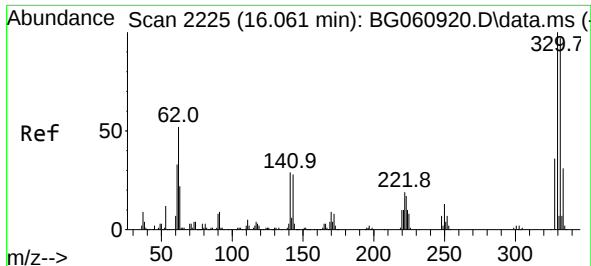
Ion Ratio Lower Upper

164 100

162 100.1 84.1 126.1

160 46.1 35.9 53.9

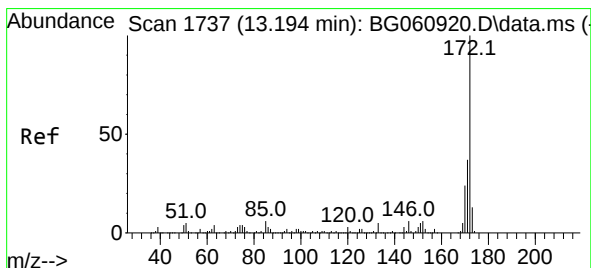
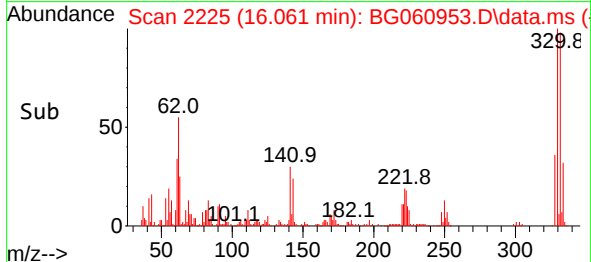
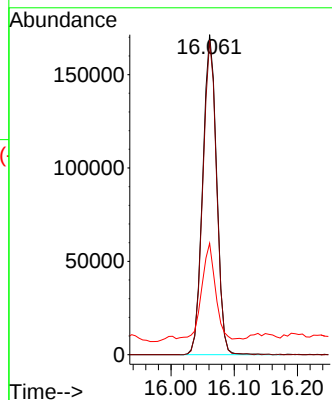
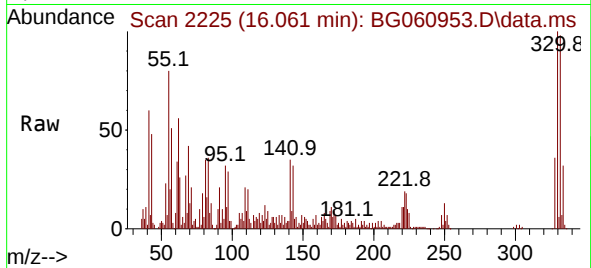




#42
2,4,6-Tribromophenol
Concen: 81.090 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

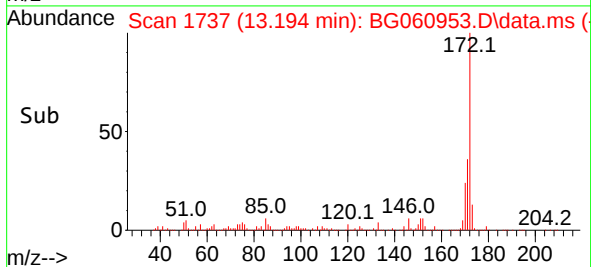
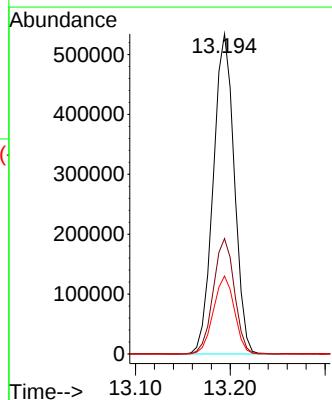
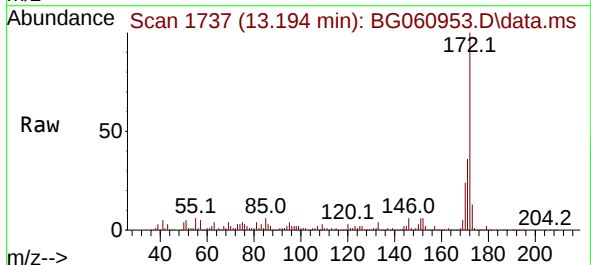
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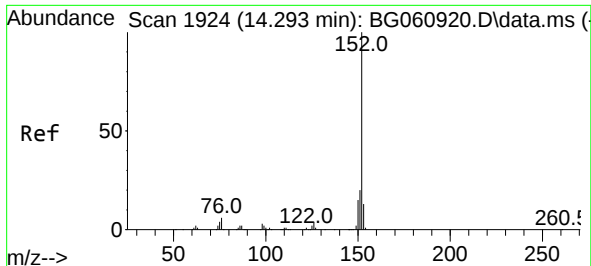
Tgt Ion:330 Resp: 260836
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 28.7 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 61.969 ng
RT: 13.194 min Scan# 1737
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion:172 Resp: 822228
Ion Ratio Lower Upper
172 100
171 36.1 29.3 43.9
170 24.3 19.5 29.3

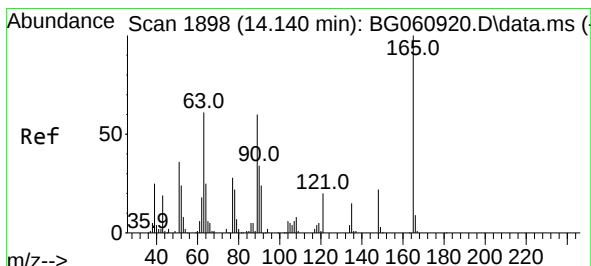
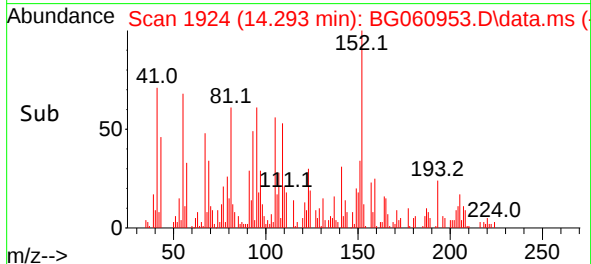
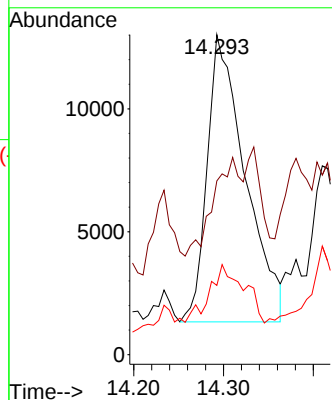
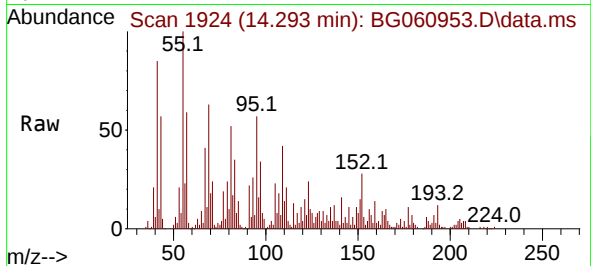




#49
Acenaphthylene
Concen: 2.005 ng
RT: 14.293 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

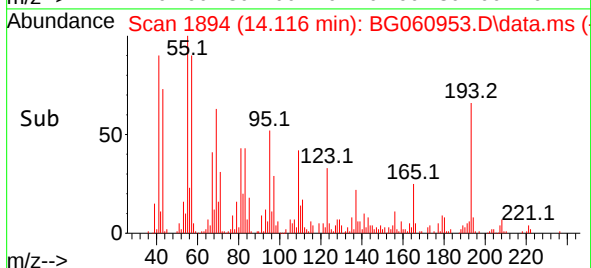
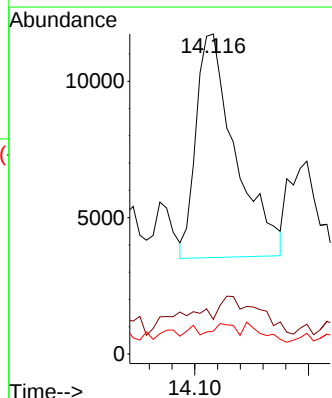
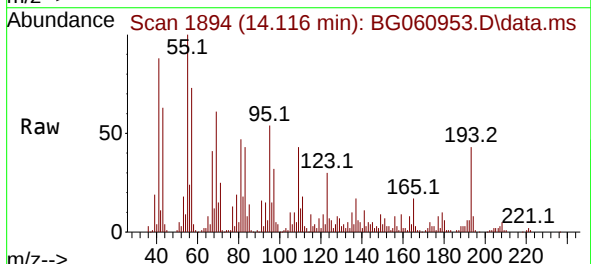
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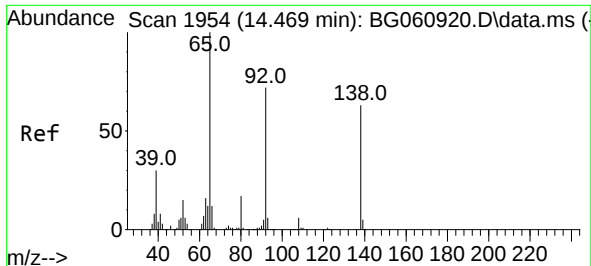
Tgt Ion:152 Resp: 34360
Ion Ratio Lower Upper
152 100
151 54.3 16.3 24.5#
153 21.6 10.4 15.6#



#51
2,6-Dinitrotoluene
Concen: 6.261 ng
RT: 14.116 min Scan# 1894
Delta R.T. -0.024 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion:165 Resp: 19717
Ion Ratio Lower Upper
165 100
63 10.8 53.8 80.8#
89 9.0 48.2 72.4#

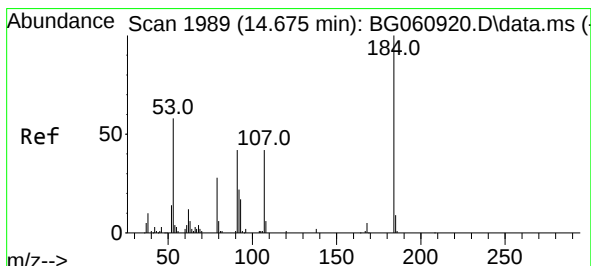
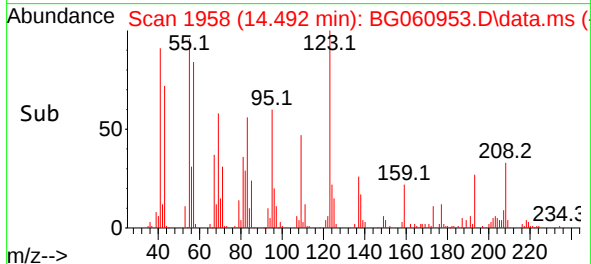
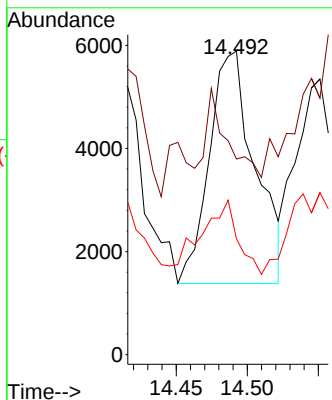
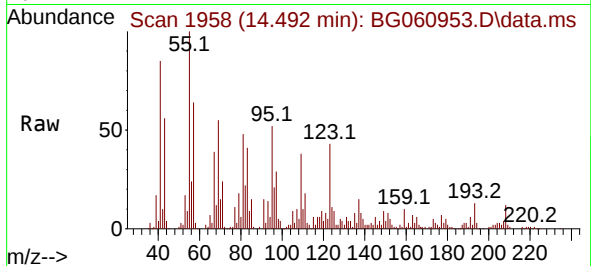




#53
3-Nitroaniline
Concen: 2.901 ng
RT: 14.492 min Scan# 1954
Delta R.T. 0.023 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

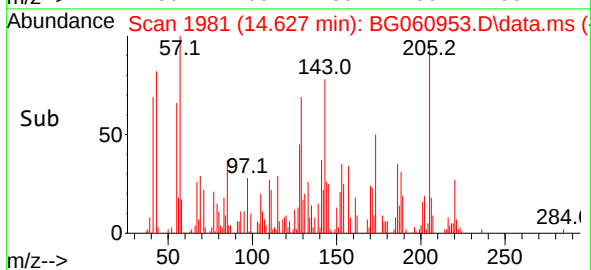
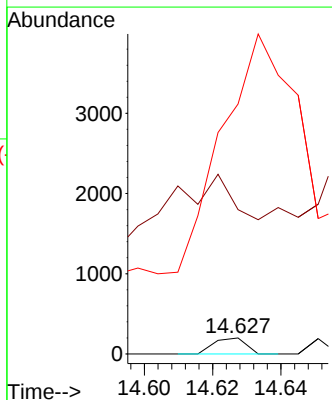
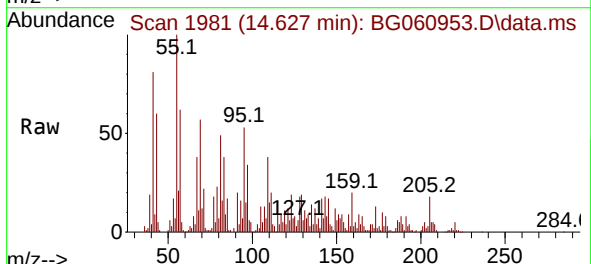
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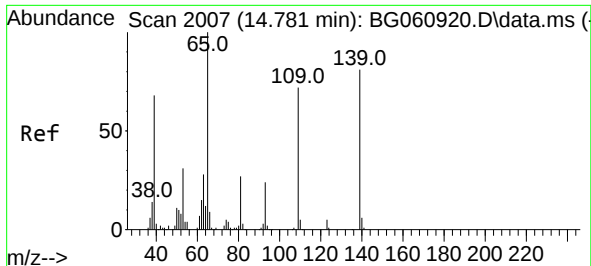
Tgt Ion:138 Resp: 10029
Ion Ratio Lower Upper
138 100
108 64.5 7.5 11.3#
92 38.2 92.5 138.7#



#54
2,4-Dinitrophenol
Concen: 5.496 ng
RT: 14.627 min Scan# 1981
Delta R.T. -0.048 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion:184 Resp: 130
Ion Ratio Lower Upper
184 100
63 904.5 52.0 78.0#
154 1565.8 50.7 76.1#

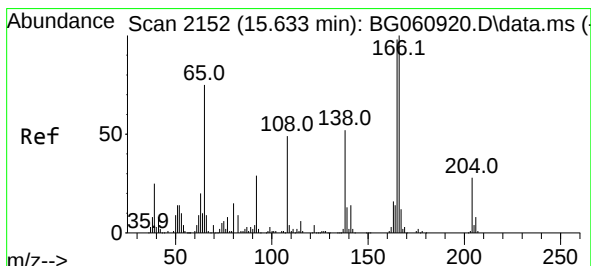
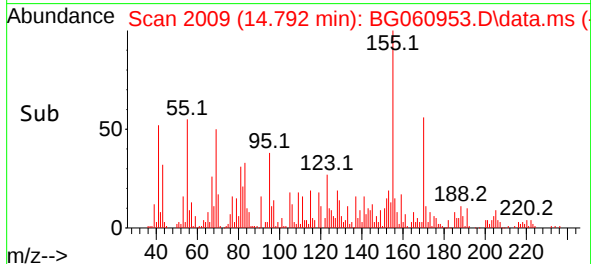
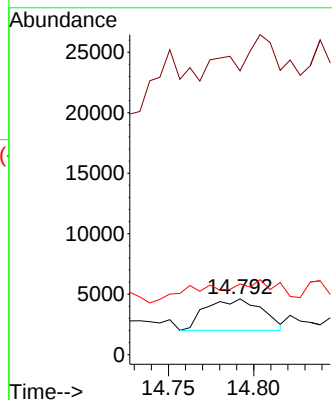
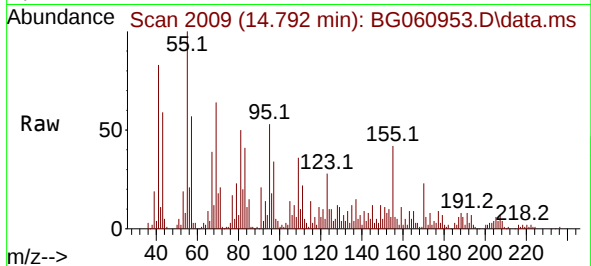




#56
4-Nitrophenol
Concen: 2.250 ng
RT: 14.792 min Scan# 20
Delta R.T. 0.011 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

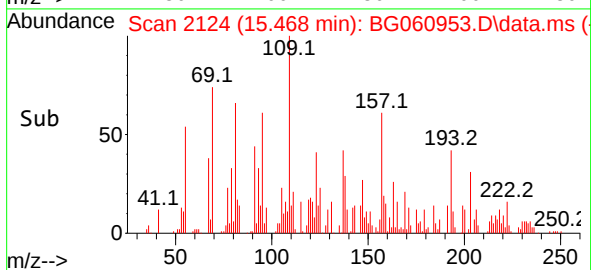
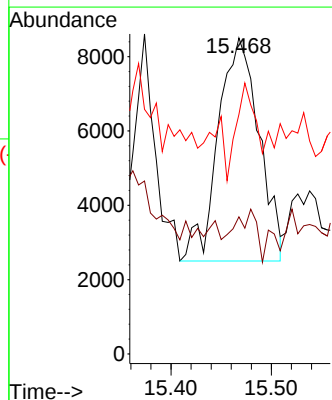
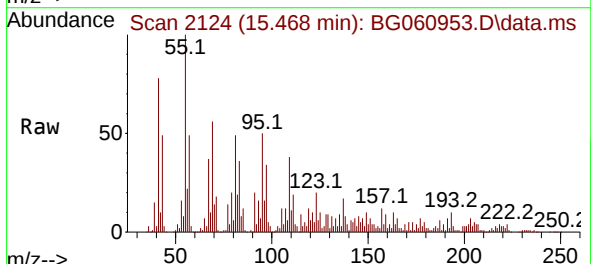
Instrument :
BNA_G
ClientSampleId :
72-11935

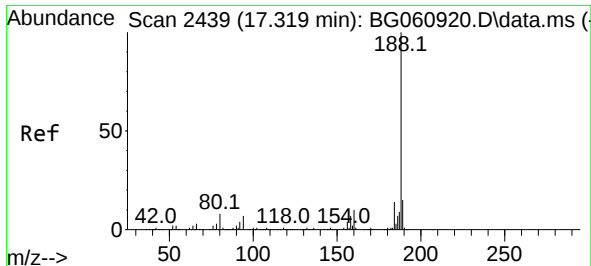
Tgt Ion:139 Resp: 5954
Ion Ratio Lower Upper
139 100
109 508.6 69.7 109.7#
65 126.8 103.7 143.7



#62
4-Nitroaniline
Concen: 4.595 ng
RT: 15.468 min Scan# 2124
Delta R.T. -0.165 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion:138 Resp: 17079
Ion Ratio Lower Upper
138 100
92 43.4 34.8 74.8
108 75.8 73.9 113.9

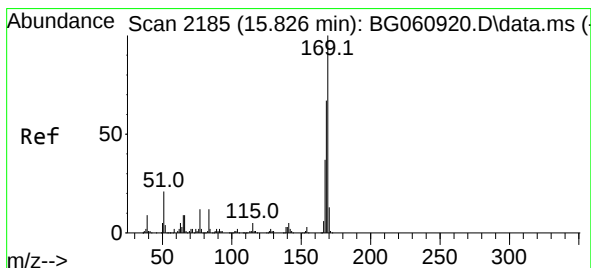
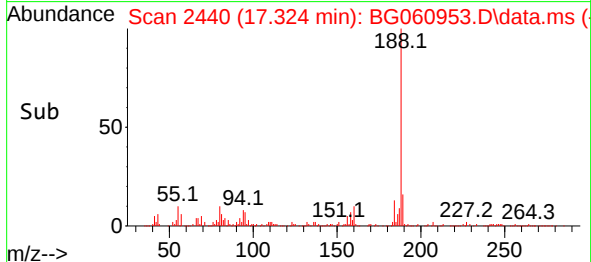
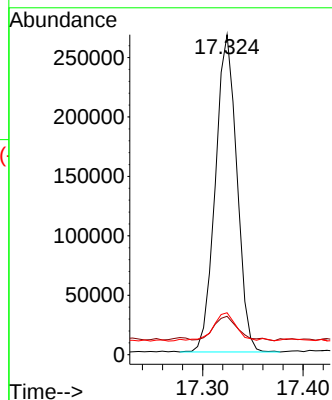
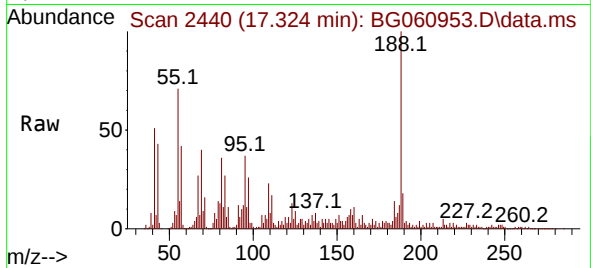




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

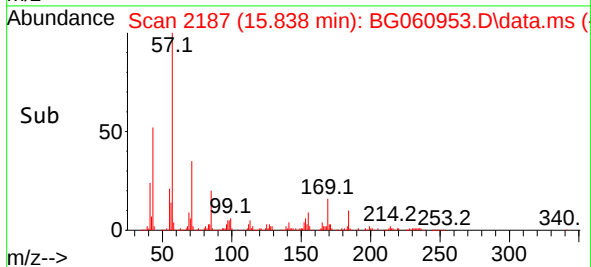
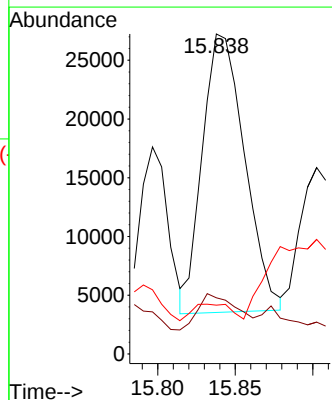
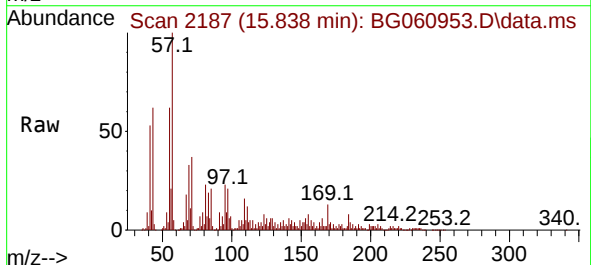
Instrument :
BNA_G
ClientSampleId :
72-11935

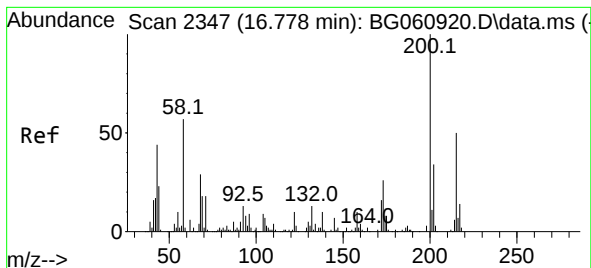
Tgt Ion:188 Resp: 396843
Ion Ratio Lower Upper
188 100
94 12.0 5.7 8.5#
80 13.1 6.6 9.8#



#66
n-Nitrosodiphenylamine
Concen: 4.128 ng
RT: 15.838 min Scan# 2187
Delta R.T. 0.011 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion:169 Resp: 44971
Ion Ratio Lower Upper
169 100
168 17.5 53.7 80.5#
167 15.3 29.8 44.6#





#69

Atrazine

Concen: 2.242 ng

RT: 16.784 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

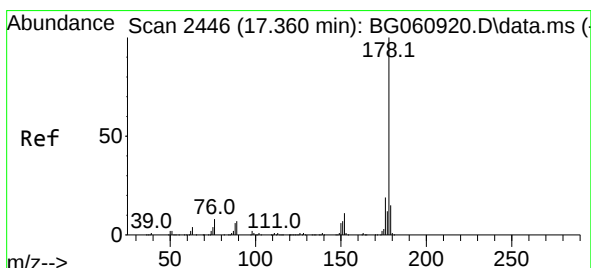
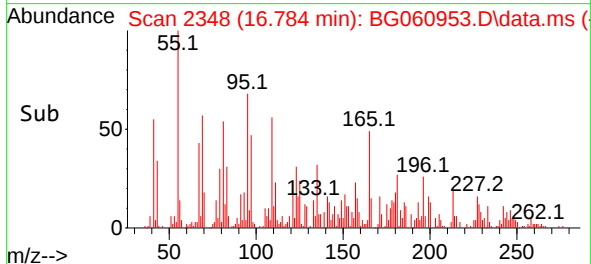
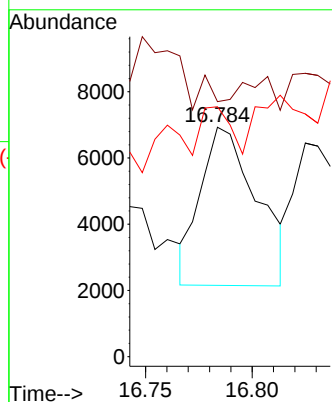
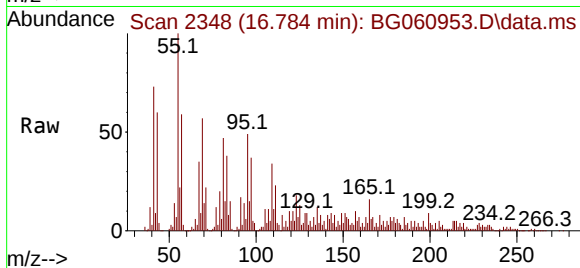
Tgt Ion:200 Resp: 8779

Ion Ratio Lower Upper

200 100

173 111.1 6.5 46.5#

215 108.9 30.4 70.4#



#71

Phenanthrene

Concen: 8.020 ng

RT: 17.365 min Scan# 2447

Delta R.T. 0.005 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

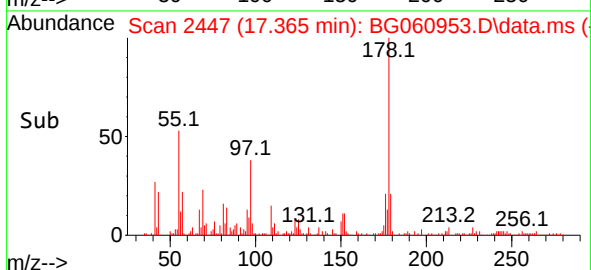
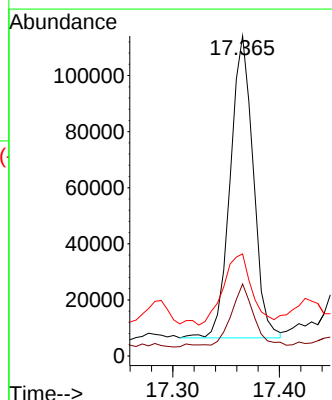
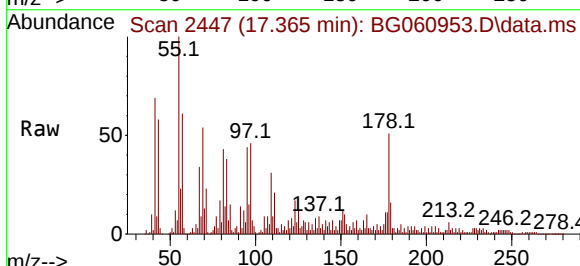
Tgt Ion:178 Resp: 161094

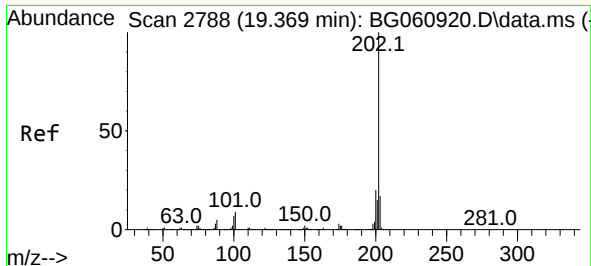
Ion Ratio Lower Upper

178 100

176 22.5 15.4 23.2

179 31.9 12.0 18.0#

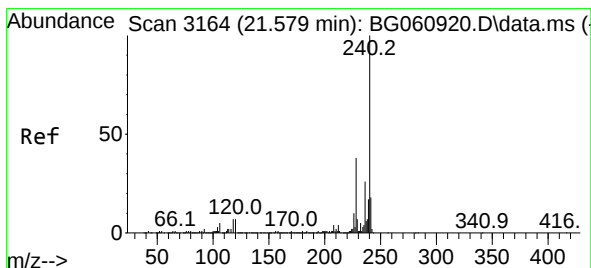
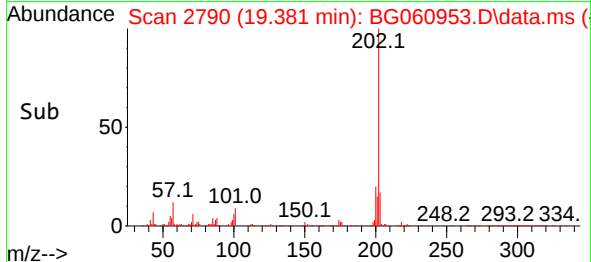
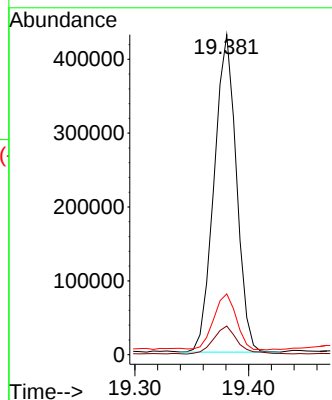
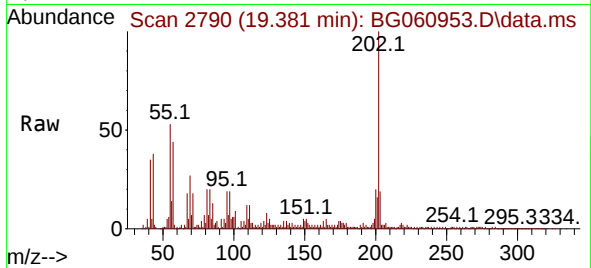




#75
Fluoranthene
Concen: 22.873 ng
RT: 19.381 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

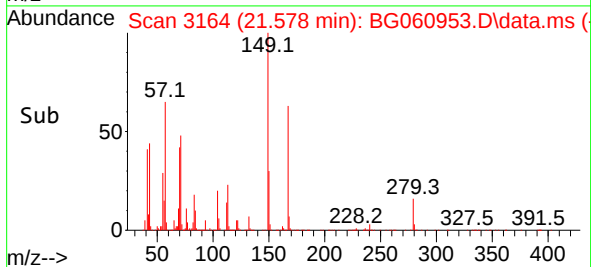
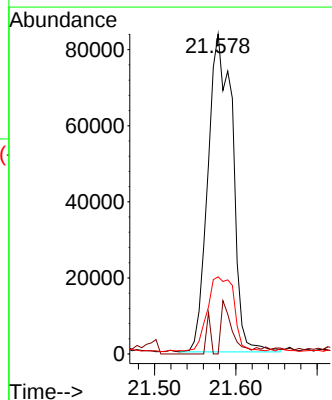
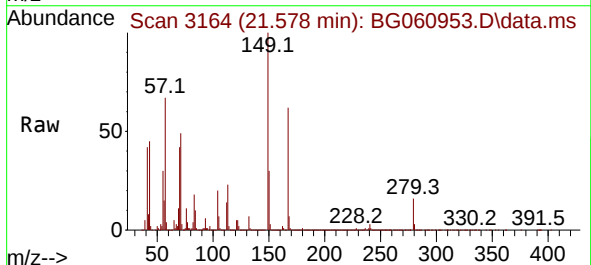
Instrument :
BNA_G
ClientSampleId :
72-11935

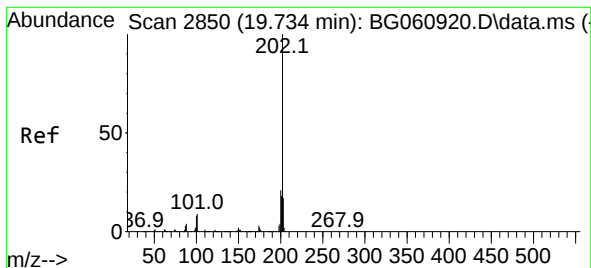
Tgt Ion:202 Resp: 584796
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.6
203 19.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion:240 Resp: 176297
Ion Ratio Lower Upper
240 100
120 0.0 5.7 8.5#
236 24.1 21.1 31.7





#78

Pyrene

Concen: 50.376 ng

RT: 19.739 min Scan# 2851

Delta R.T. 0.005 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

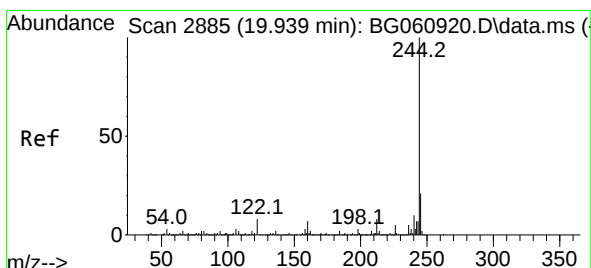
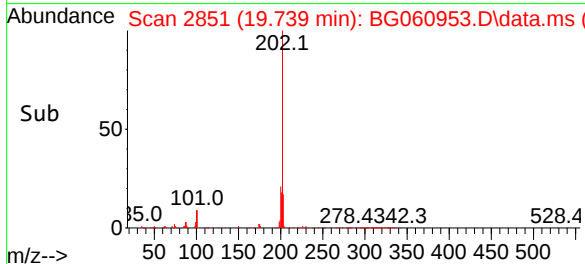
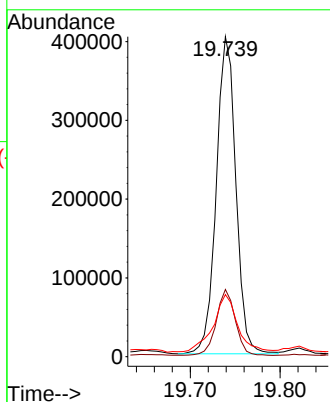
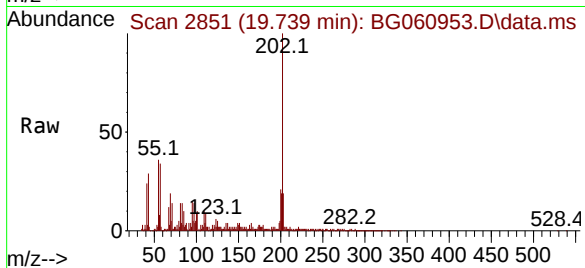
Tgt Ion:202 Resp: 609237

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 19.4 13.8 20.8



#79

Terphenyl-d14

Concen: 130.419 ng

RT: 19.945 min Scan# 2886

Delta R.T. 0.005 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

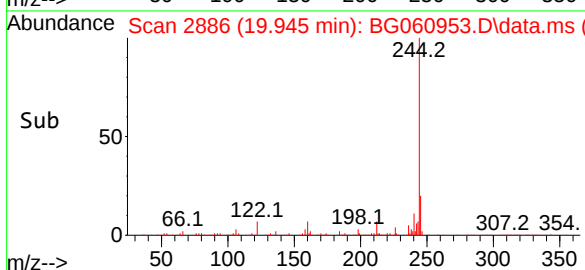
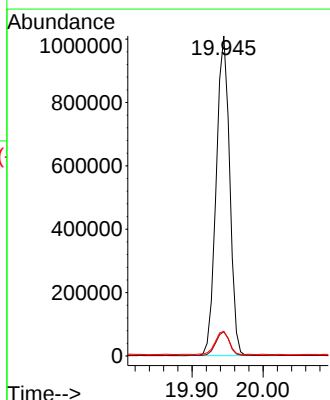
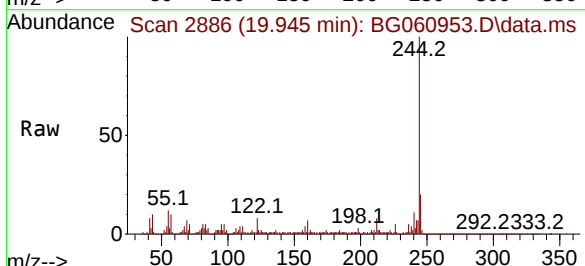
Tgt Ion:244 Resp: 1317445

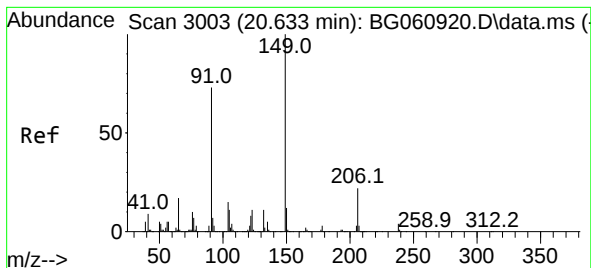
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.4

122 7.7 6.6 9.8





#80

Butylbenzylphthalate

Concen: 5.140 ng

RT: 20.626 min Scan# 3003

Delta R.T. -0.006 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

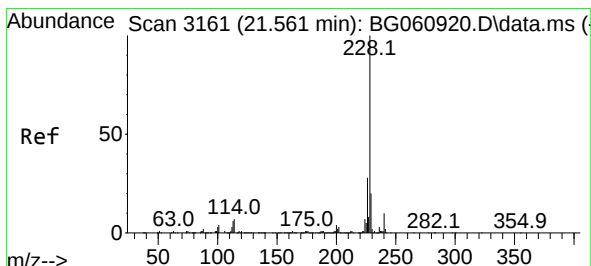
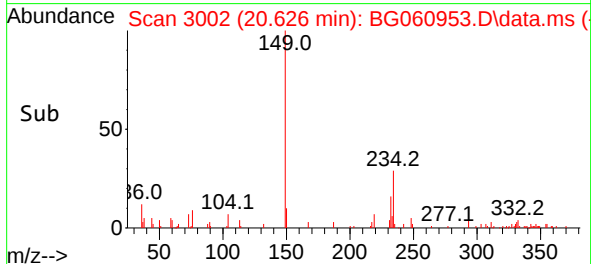
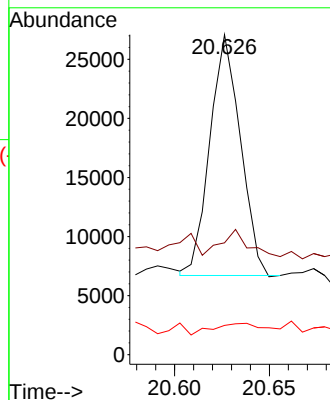
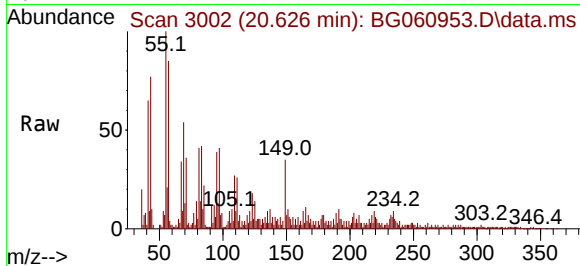
Tgt Ion:149 Resp: 22830

Ion Ratio Lower Upper

149 100

91 35.0 58.7 88.1#

206 9.2 18.0 27.0#



#81

Benzo(a)anthracene

Concen: 11.710 ng

RT: 21.555 min Scan# 3160

Delta R.T. -0.006 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

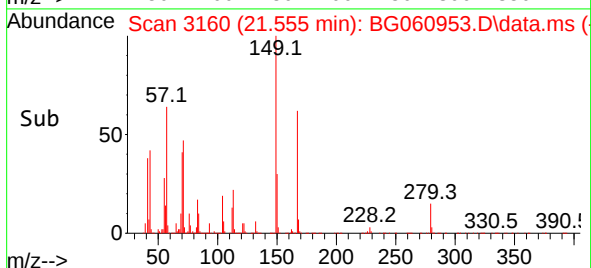
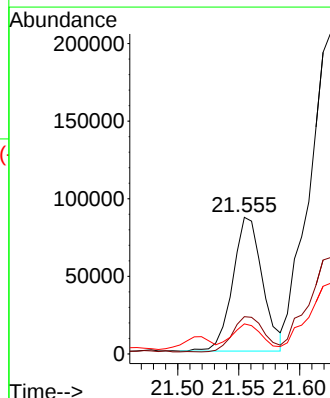
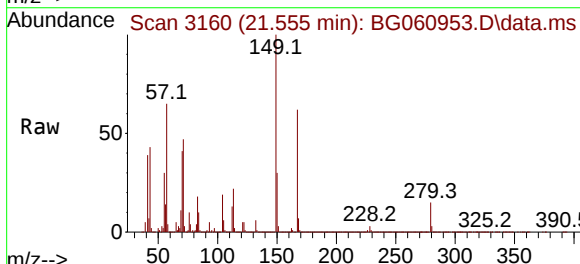
Tgt Ion:228 Resp: 145780

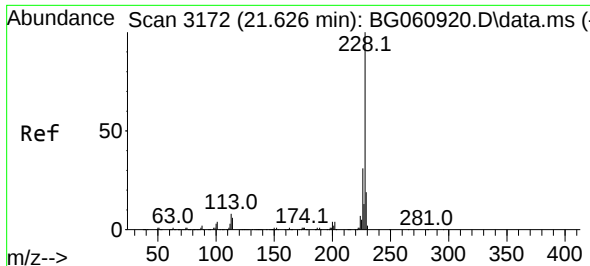
Ion Ratio Lower Upper

228 100

226 27.3 22.0 33.0

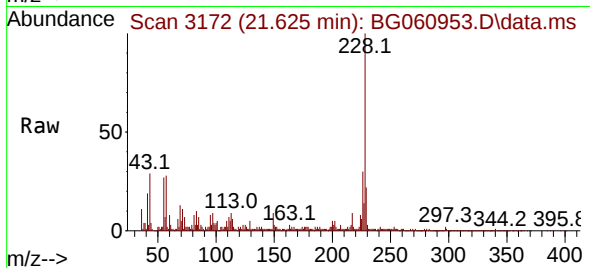
229 22.0 15.6 23.4



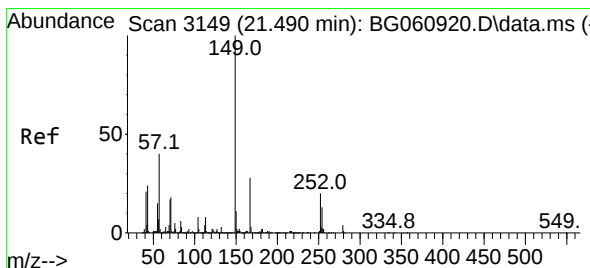
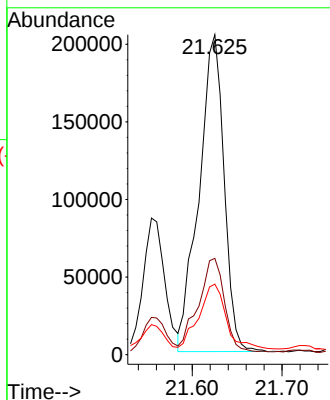
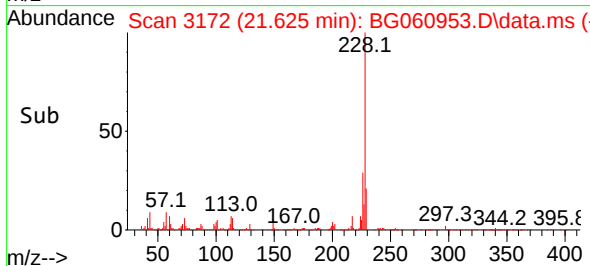


#83
Chrysene
Concen: 33.279 ng
RT: 21.625 min Scan# 3172
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

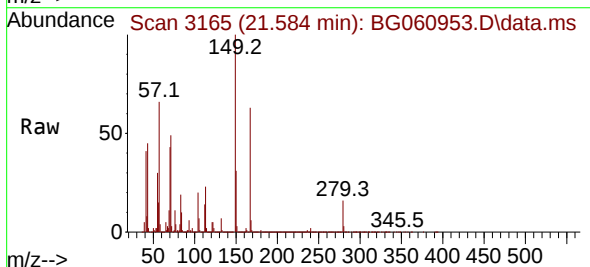
Instrument :
BNA_G
ClientSampleId :
72-11935



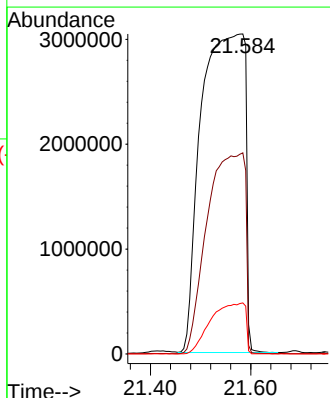
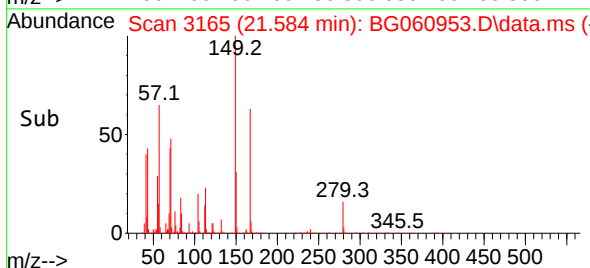
Tgt Ion:228 Resp: 395569
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.1 15.6 23.4

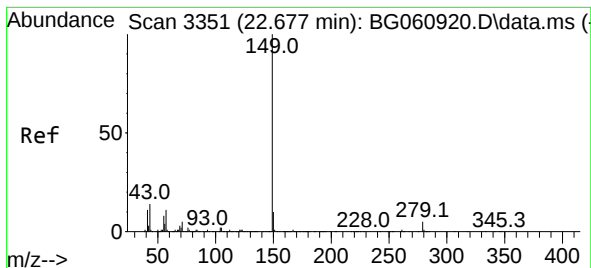


#84
Bis(2-ethylhexyl)phthalate
Concen: 2793.191 ng
RT: 21.584 min Scan# 3165
Delta R.T. 0.094 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45



Tgt Ion:149 Resp:18346710
Ion Ratio Lower Upper
149 100
167 62.8 22.4 33.6#
279 15.9 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 11.324 ng

RT: 22.706 min Scan# 31

Delta R.T. 0.029 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

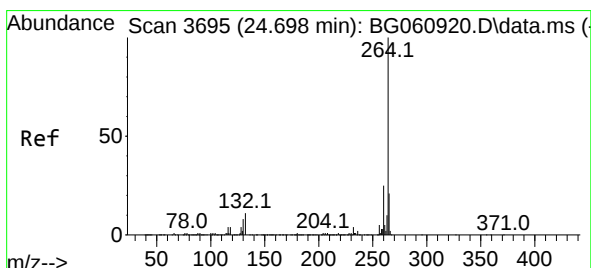
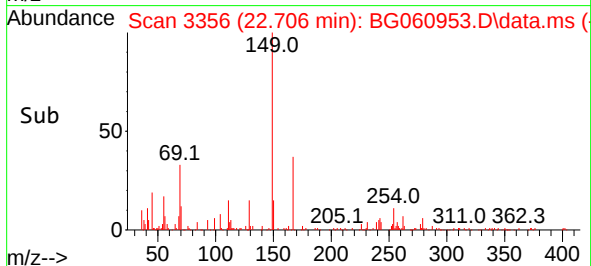
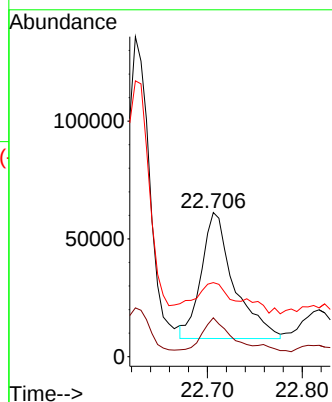
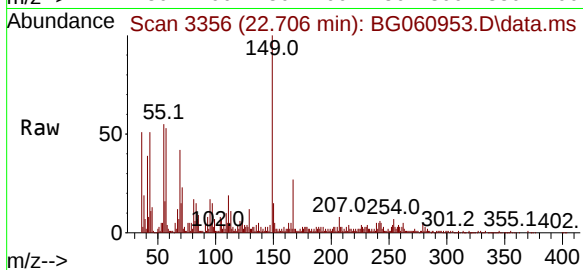
Tgt Ion:149 Resp: 128346

Ion Ratio Lower Upper

149 100

167 25.8 1.3 1.9#

43 14.3 11.2 16.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.710 min Scan# 3697

Delta R.T. 0.011 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

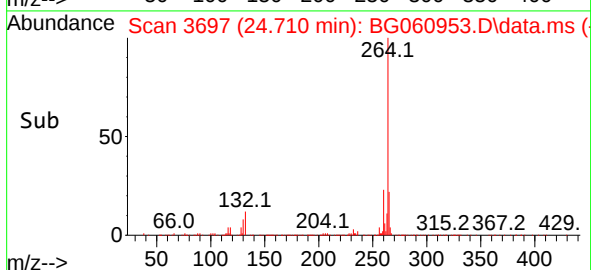
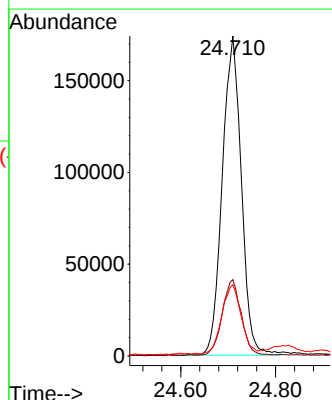
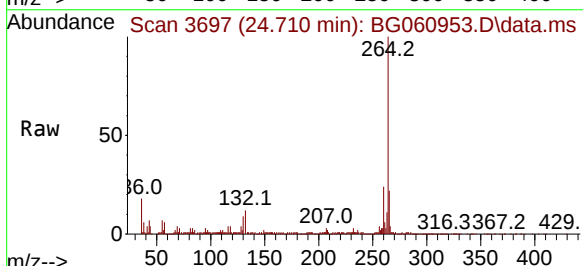
Tgt Ion:264 Resp: 484756

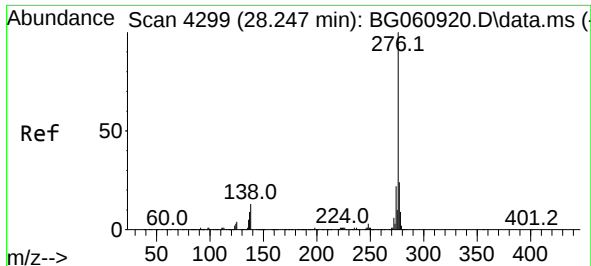
Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

265 22.3 16.6 25.0

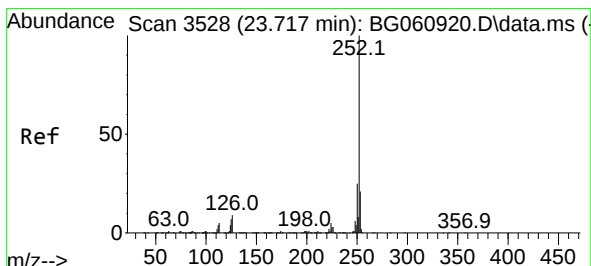
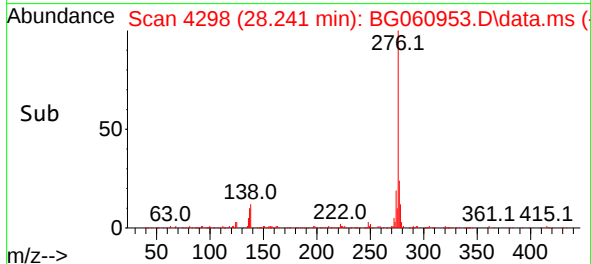
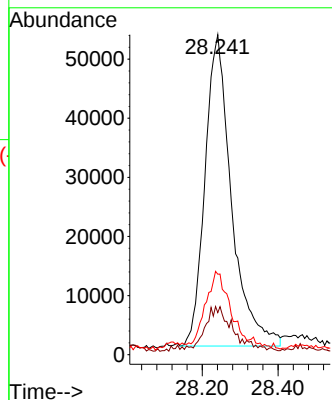
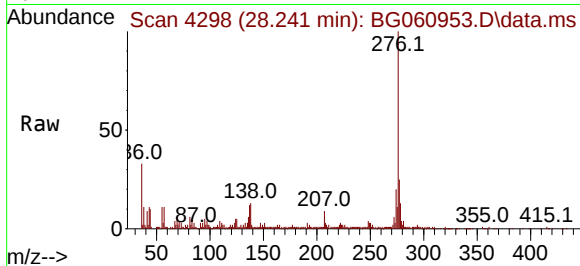




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.625 ng
 RT: 28.241 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: BG060953.D
 Acq: 19 Apr 2024 2:45

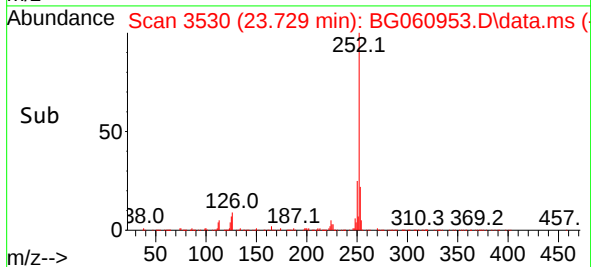
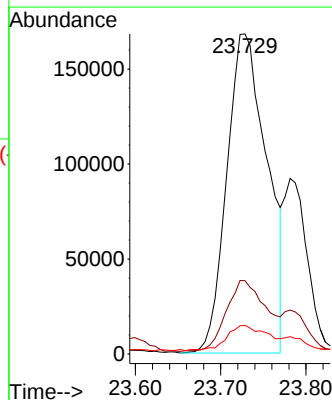
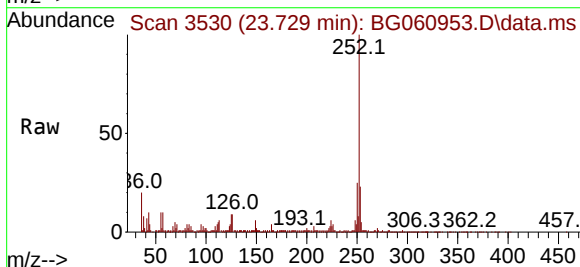
Instrument :
 BNA_G
 ClientSampleId :
 72-11935

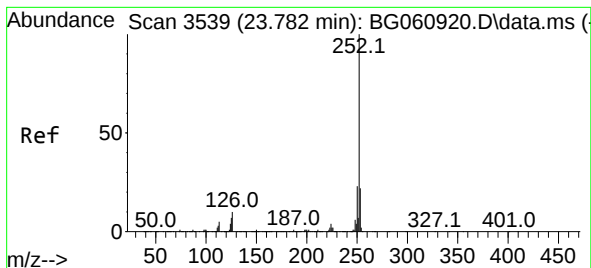
Tgt Ion:276 Resp: 255612
 Ion Ratio Lower Upper
 276 100
 138 12.5 10.8 16.2
 277 20.2 20.3 30.5#



#88
 Benzo(b)fluoranthene
 Concen: 20.097 ng
 RT: 23.729 min Scan# 3530
 Delta R.T. 0.011 min
 Lab File: BG060953.D
 Acq: 19 Apr 2024 2:45

Tgt Ion:252 Resp: 551210
 Ion Ratio Lower Upper
 252 100
 253 22.9 16.8 25.2
 125 9.0 5.6 8.4#





#89

Benzo(k)fluoranthene

Concen: 19.645 ng

RT: 23.729 min Scan# 3530

Delta R.T. -0.053 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

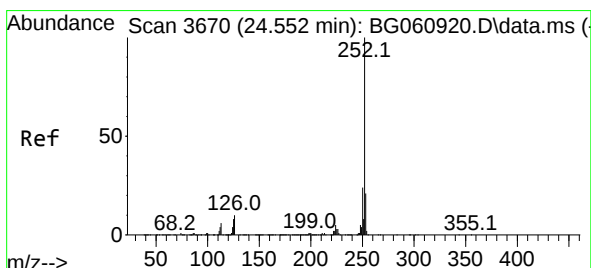
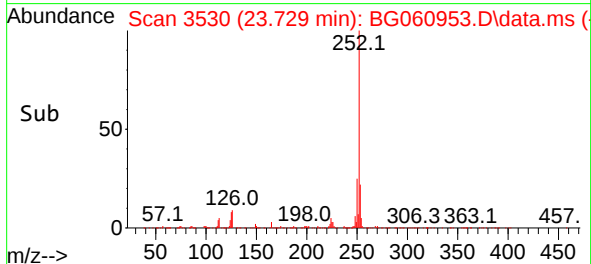
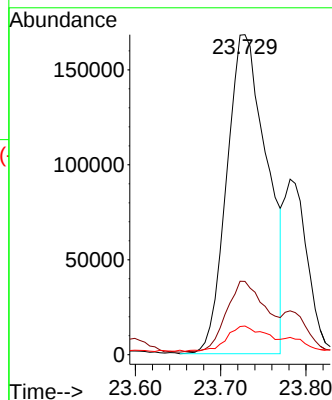
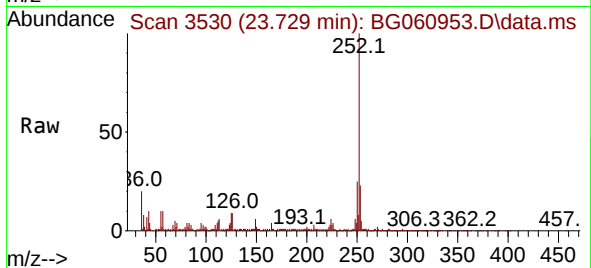
Tgt Ion:252 Resp: 551210

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 9.0 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 13.773 ng

RT: 24.557 min Scan# 3671

Delta R.T. 0.005 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

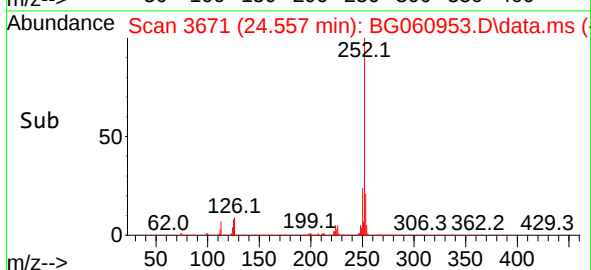
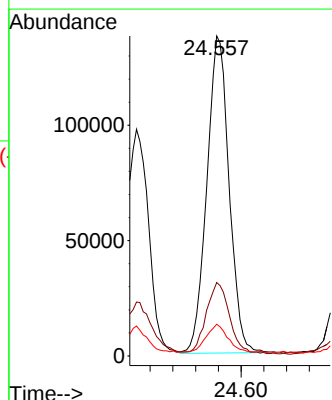
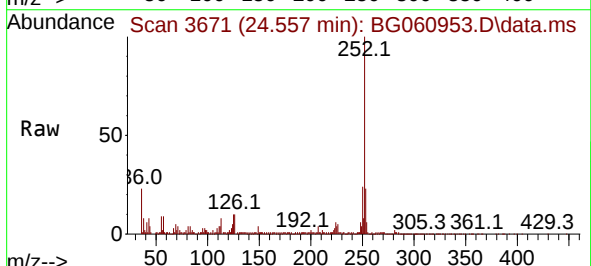
Tgt Ion:252 Resp: 372432

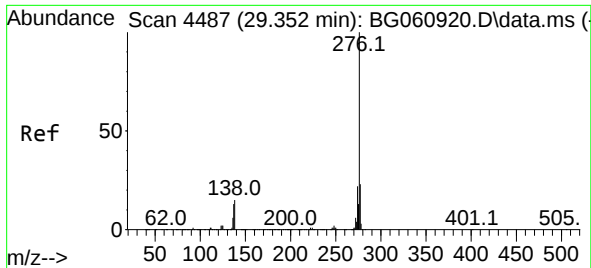
Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

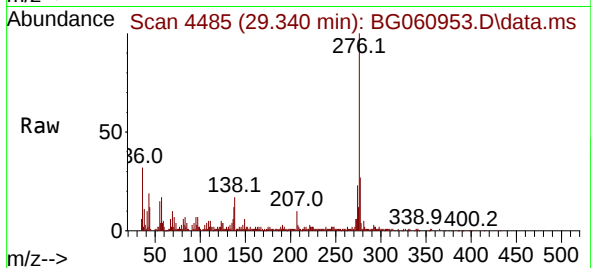
125 9.9 6.1 9.1#





#92
 Benzo(g,h,i)perylene
 Concen: 9.004 ng
 RT: 29.340 min Scan# 44
 Delta R.T. -0.012 min
 Lab File: BG060953.D
 Acq: 19 Apr 2024 2:45

Instrument :
 BNA_G
 ClientSampleId :
 72-11935



Tgt Ion:276 Resp: 242901
 Ion Ratio Lower Upper
 276 100
 277 26.6 18.3 27.5
 138 17.3 12.2 18.4

