

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
 Data File : BG054920.D
 Acq On : 13 Sep 2022 00:32
 Operator : CG/JU
 Sample : N4573-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11998

Quant Time: Sep 13 03:11:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

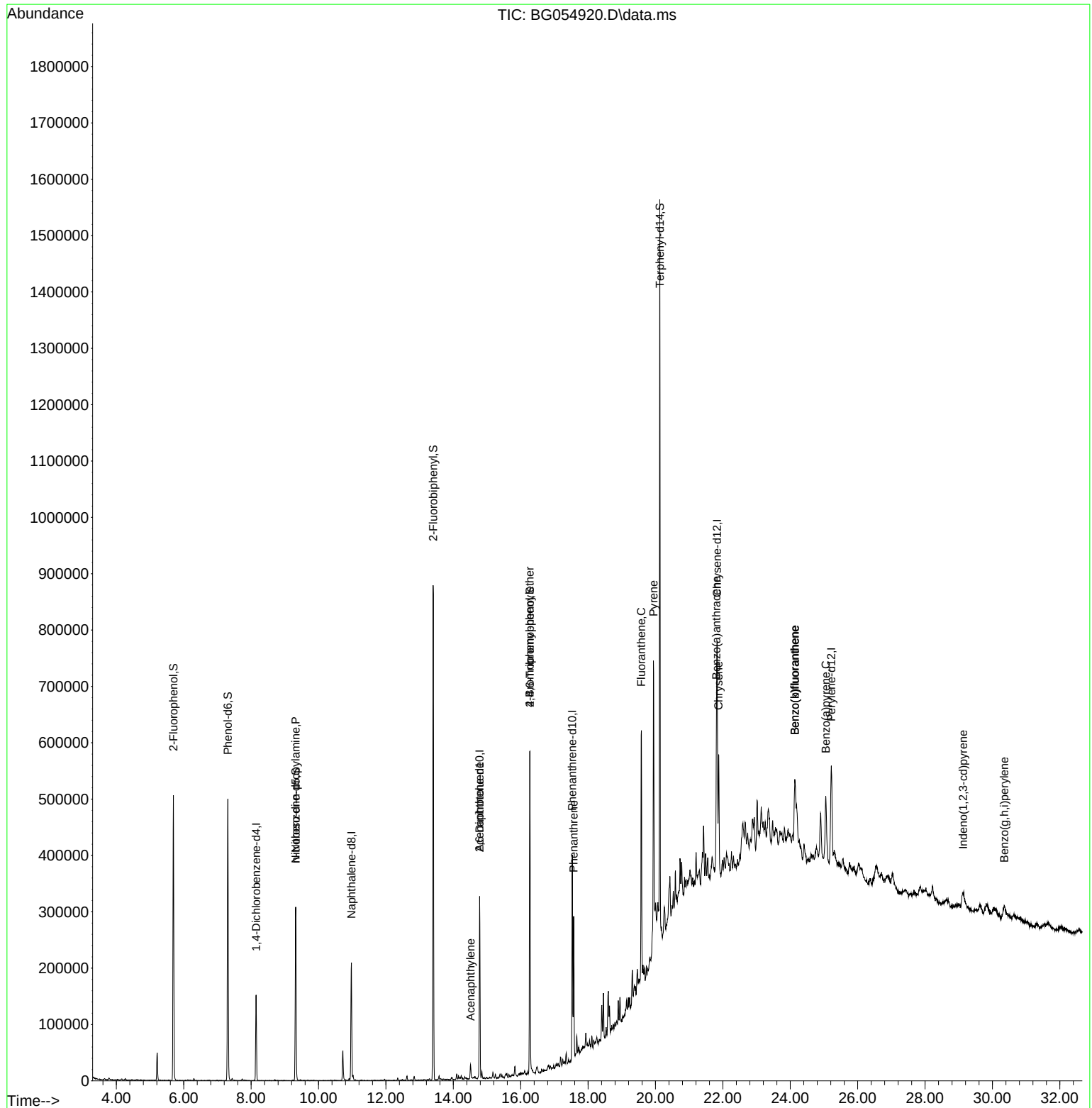
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	48735	20.000	ng	0.00
21) Naphthalene-d8	10.974	136	191334	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	119995	20.000	ng	0.00
64) Phenanthrene-d10	17.531	188	240471	20.000	ng	0.00
76) Chrysene-d12	21.826	240	225601	20.000	ng	0.00
86) Perylene-d12	25.216	264	228929	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	258055	92.206	ng	0.00
7) Phenol-d6	7.307	99	337245	88.113	ng	0.00
23) Nitrobenzene-d5	9.323	82	199908	54.849	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	139936	93.327	ng	0.00
45) 2-Fluorobiphenyl	13.400	172	498780	62.475	ng	0.00
79) Terphenyl-d14	20.128	244	645471	56.690	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.323	70	25545	9.706	ng	# 75
49) Acenaphthylene	14.511	152	24799	2.221	ng	95
51) 2,6-Dinitrotoluene	14.781	165	16253	8.596	ng	# 22
67) 4-Bromophenyl-phenylether	16.267	248	9034	3.422	ng	# 1
71) Phenanthrene	17.572	178	163857	12.791	ng	98
75) Fluoranthene	19.581	202	294551	18.902	ng	97
78) Pyrene	19.940	202	310951	19.767	ng	99
81) Benzo(a)anthracene	21.808	228	130686	8.544	ng	97
83) Chrysene	21.873	228	169885	11.616	ng	98
87) Indeno(1,2,3-cd)pyrene	29.129	276	63523	3.655	ng	97
88) Benzo(b)fluoranthene	24.135	252	180599	12.576	ng	# 89
89) Benzo(k)fluoranthene	24.135	252	180599	12.496	ng	# 89
90) Benzo(a)pyrene	25.057	252	134597	10.970	ng	# 96
92) Benzo(g,h,i)perylene	30.351	276	62307	4.356	ng	# 92

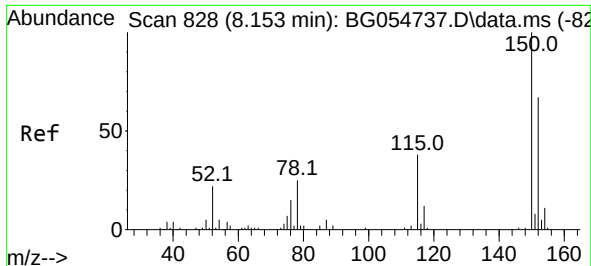
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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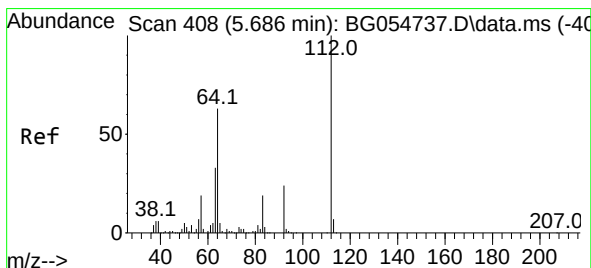
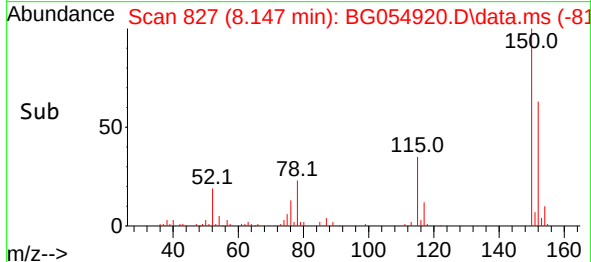
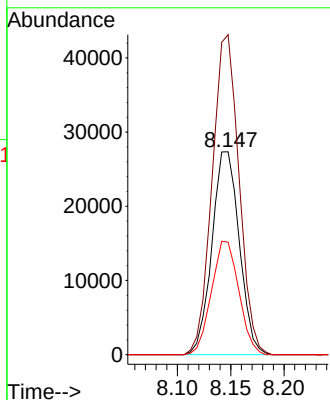
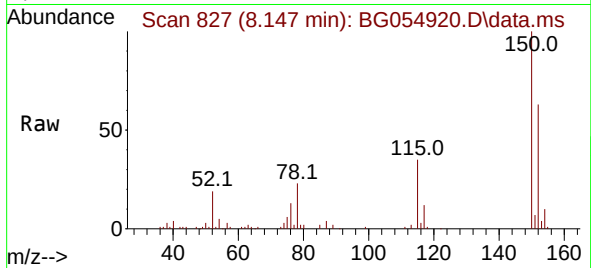




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

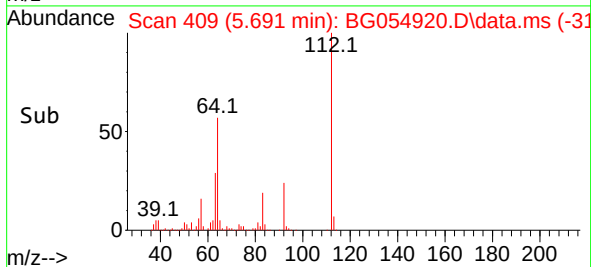
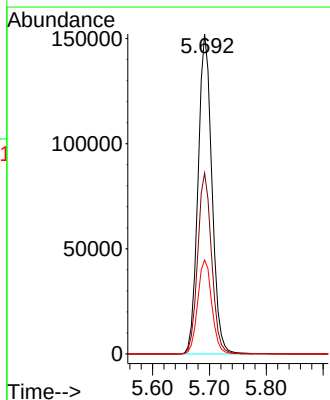
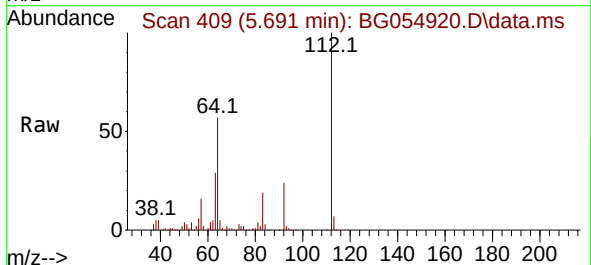
Instrument :
BNA_G
ClientSampleId :
72-11998

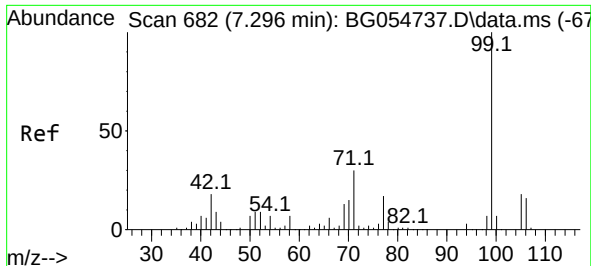
Tgt Ion:152 Resp: 48735
Ion Ratio Lower Upper
152 100
150 157.8 125.2 187.8
115 55.5 47.9 71.9



#5
2-Fluorophenol
Concen: 92.206 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.007 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

Tgt Ion:112 Resp: 258055
Ion Ratio Lower Upper
112 100
64 56.5 49.3 73.9
63 29.4 26.3 39.5

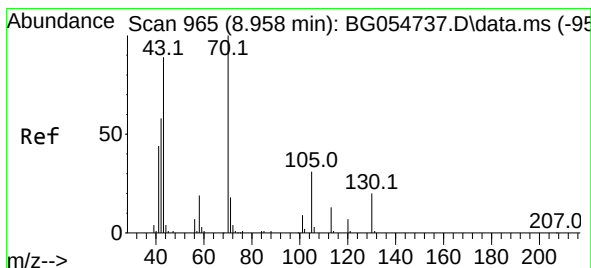
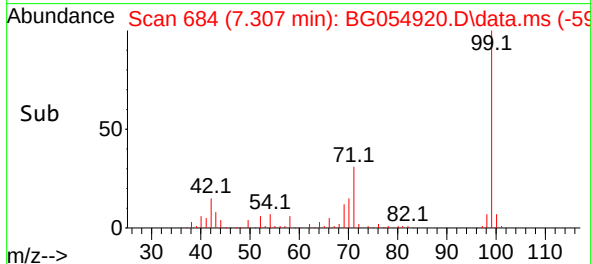
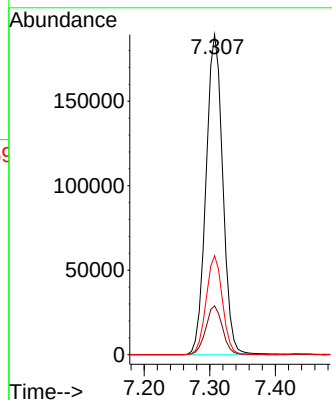
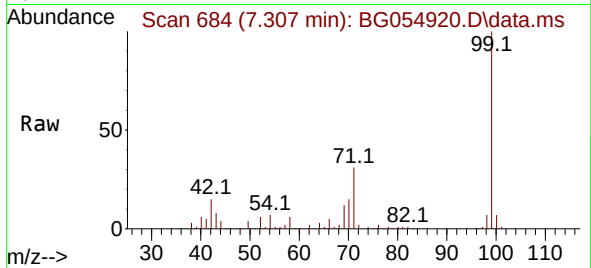




#7
Phenol-d6
Concen: 88.113 ng
RT: 7.307 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

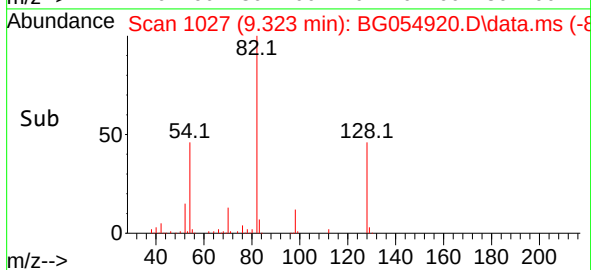
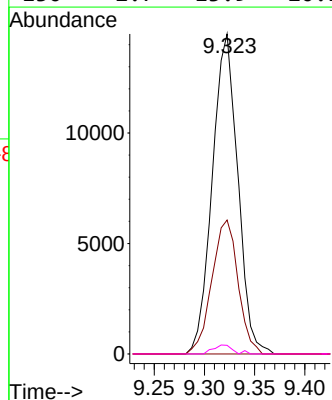
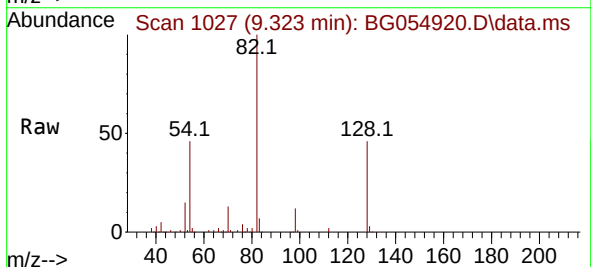
Instrument :
BNA_G
ClientSampleId :
72-11998

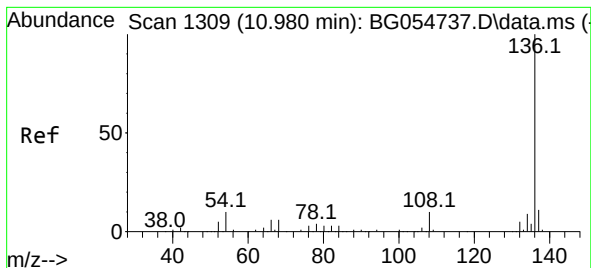
Tgt Ion: 99 Resp: 337245
Ion Ratio Lower Upper
99 100
42 15.3 14.6 22.0
71 30.9 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.706 ng
RT: 9.323 min Scan# 1027
Delta R.T. 0.372 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

Tgt Ion: 70 Resp: 25545
Ion Ratio Lower Upper
70 100
42 41.8 46.6 69.8#
101 0.0 7.7 11.5#
130 2.7 13.9 20.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.974 min Scan# 11

Delta R.T. 0.001 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

ClientSampleId :

72-11998

Tgt Ion:136 Resp: 191334

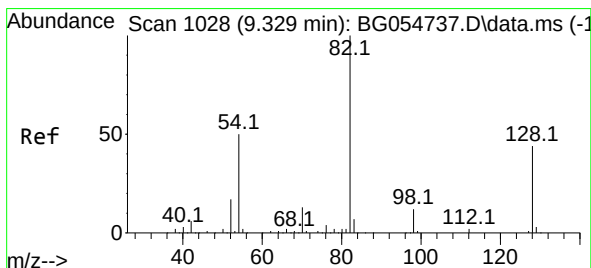
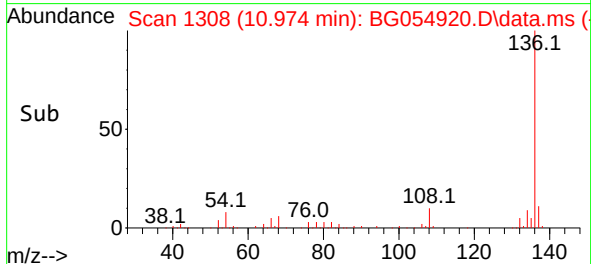
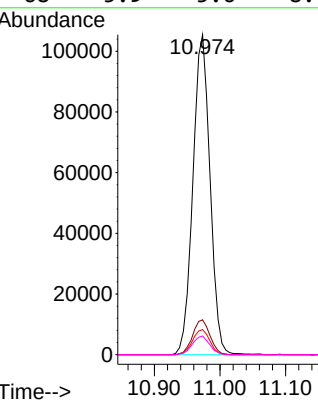
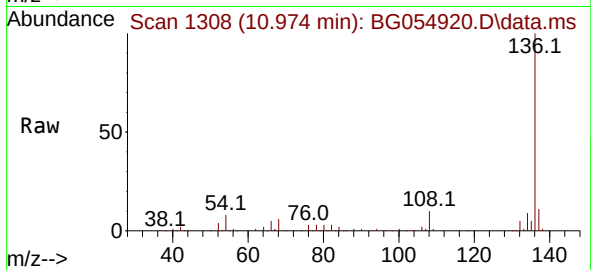
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 7.9 7.7 11.5

68 5.9 5.6 8.4



#23

Nitrobenzene-d5

Concen: 54.849 ng

RT: 9.323 min Scan# 1027

Delta R.T. 0.001 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

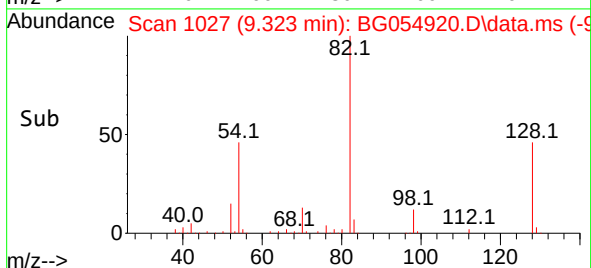
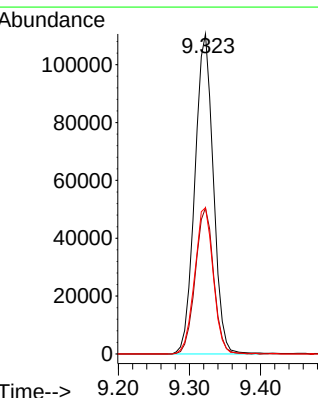
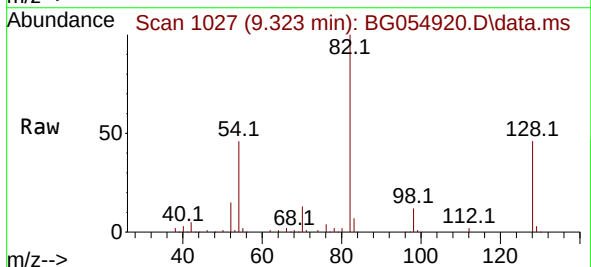
Tgt Ion: 82 Resp: 199908

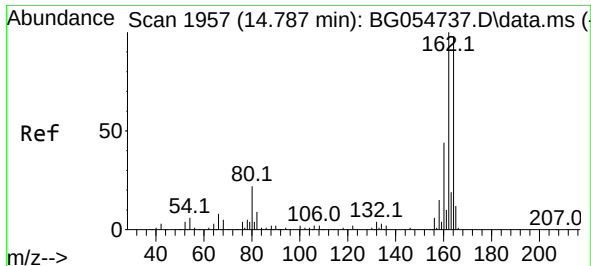
Ion Ratio Lower Upper

82 100

128 45.7 32.2 48.2

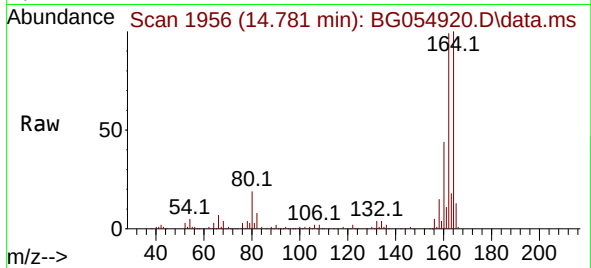
54 45.7 41.4 62.0



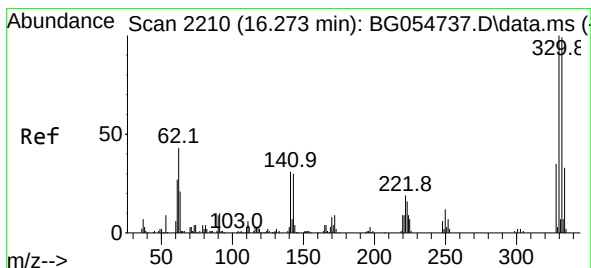
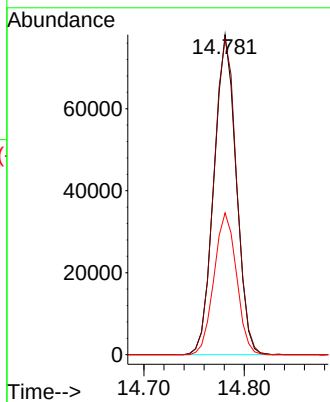
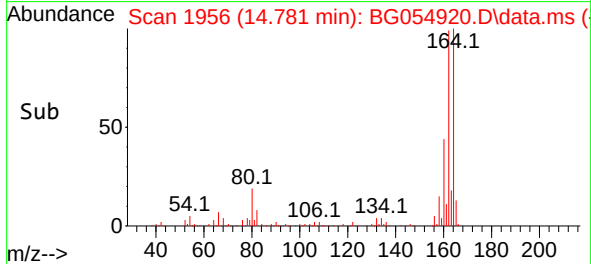


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.781 min Scan# 1956
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32

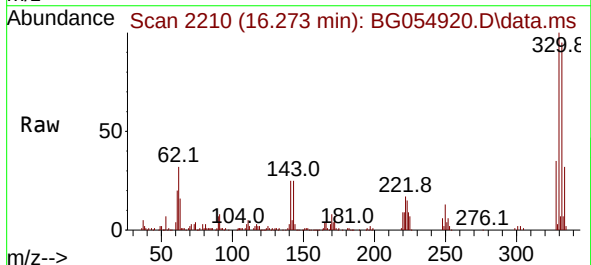
Instrument :
 BNA_G
 ClientSampleId :
 72-11998



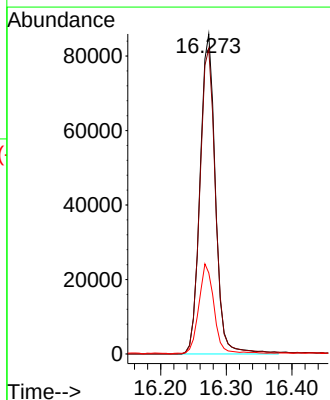
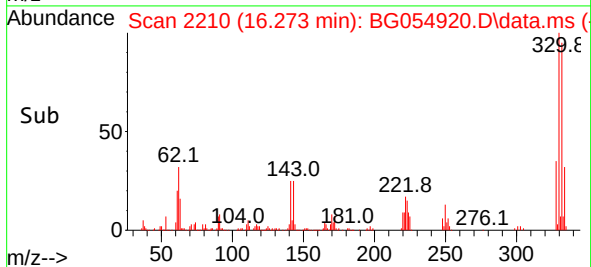
Tgt Ion:164 Resp: 119995
 Ion Ratio Lower Upper
 164 100
 162 98.6 83.0 124.4
 160 44.3 38.0 57.0

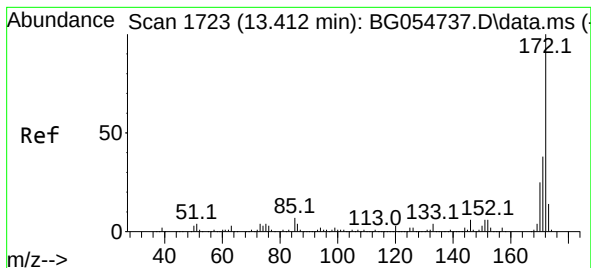


#42
 2,4,6-Tribromophenol
 Concen: 93.327 ng
 RT: 16.273 min Scan# 2210
 Delta R.T. 0.001 min
 Lab File: BG054920.D
 Acq: 13 Sep 2022 00:32



Tgt Ion:330 Resp: 139936
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.8 119.6
 141 28.5 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 62.475 ng

RT: 13.400 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

ClientSampleId :

72-11998

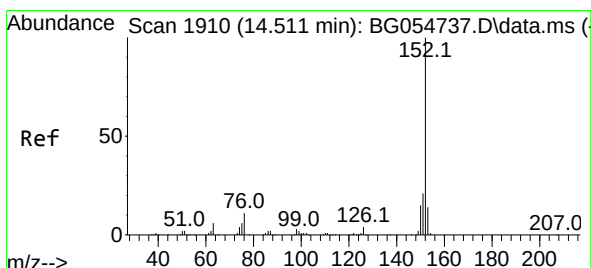
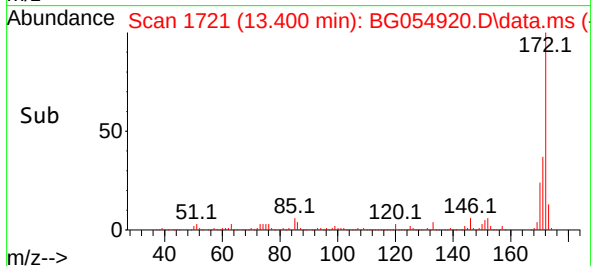
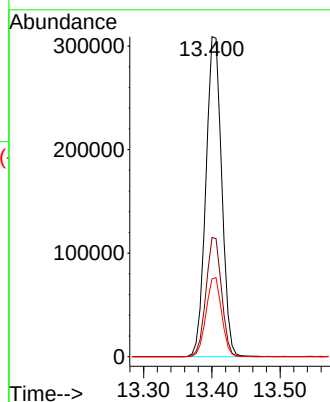
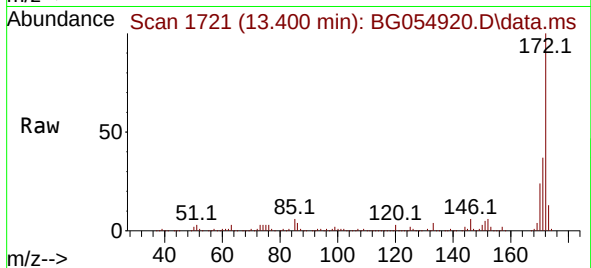
Tgt Ion:172 Resp: 498780

Ion Ratio Lower Upper

172 100

171 37.2 31.2 46.8

170 24.4 20.6 30.8



#49

Acenaphthylene

Concen: 2.221 ng

RT: 14.511 min Scan# 1910

Delta R.T. 0.001 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

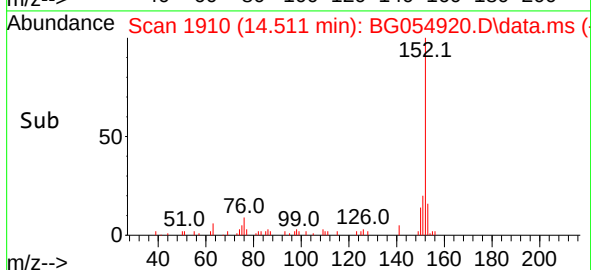
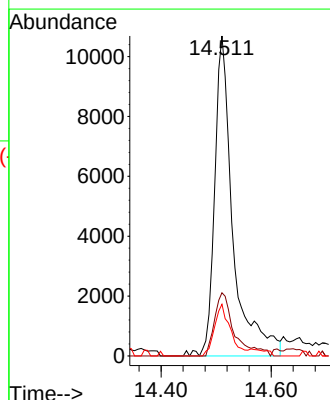
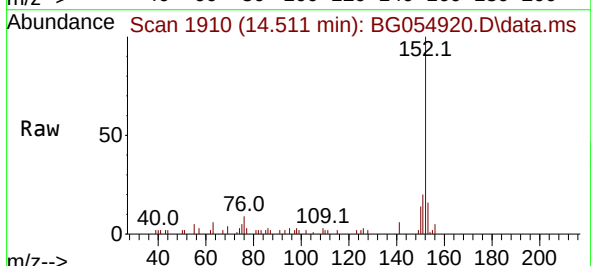
Tgt Ion:152 Resp: 24799

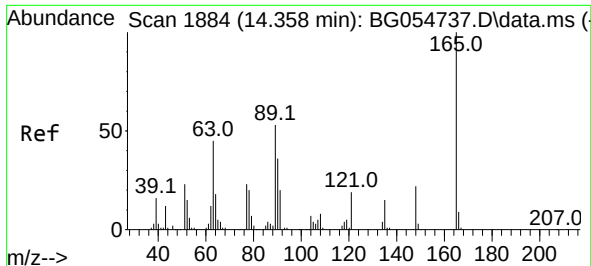
Ion Ratio Lower Upper

152 100

151 19.8 17.3 25.9

153 16.1 10.8 16.2

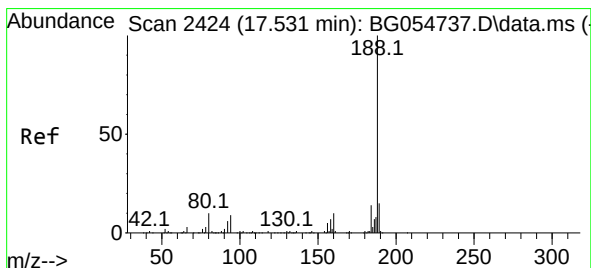
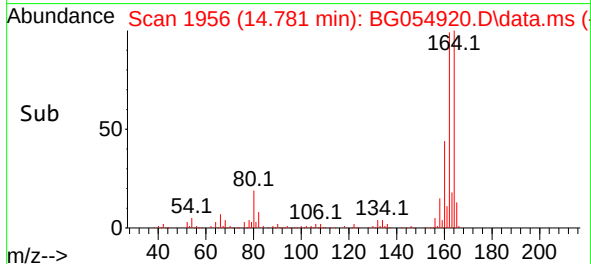
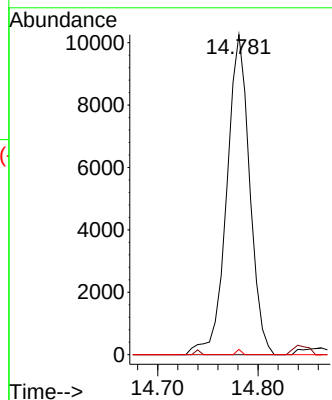
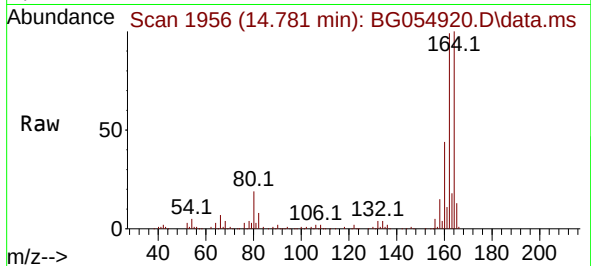




#51
2,6-Dinitrotoluene
Concen: 8.596 ng
RT: 14.781 min Scan# 1956
Delta R.T. 0.424 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

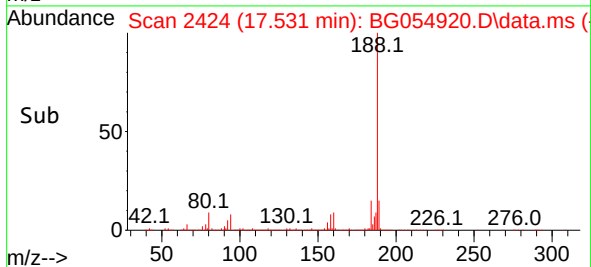
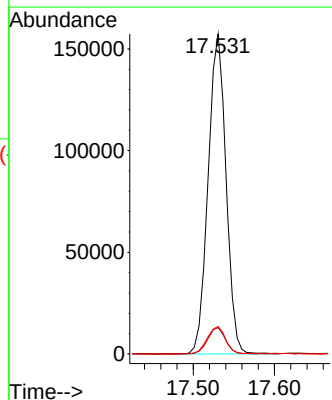
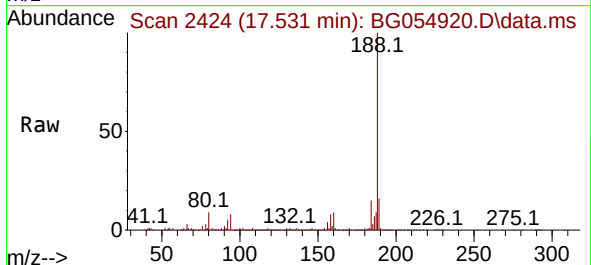
Instrument :
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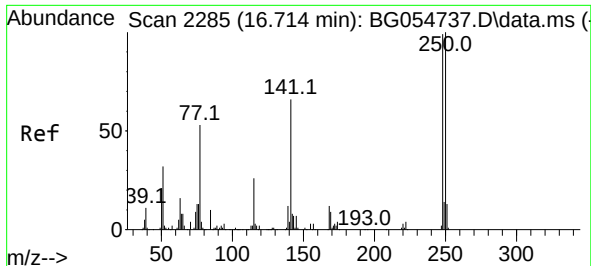
Tgt Ion:165 Resp: 16253
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 1.7 50.3 75.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.531 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

Tgt Ion:188 Resp: 240471
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 8.6 7.9 11.9

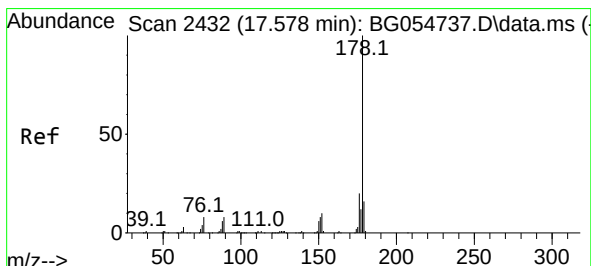
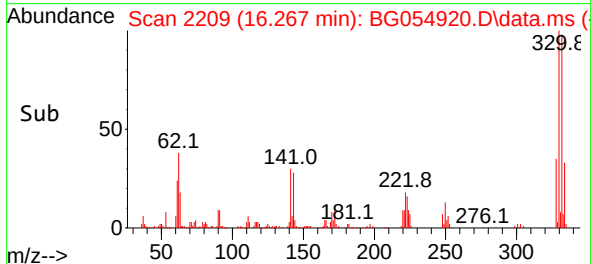
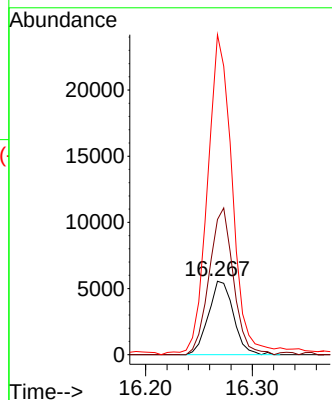
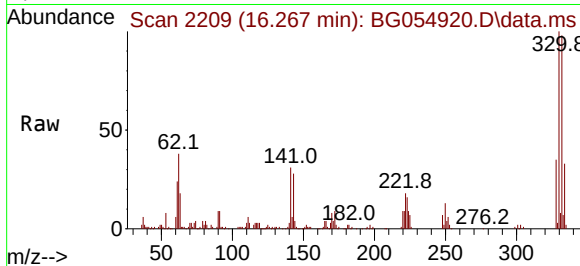




#67
4-Bromophenyl-phenylether
Concen: 3.422 ng
RT: 16.267 min Scan# 211
Delta R.T. -0.439 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

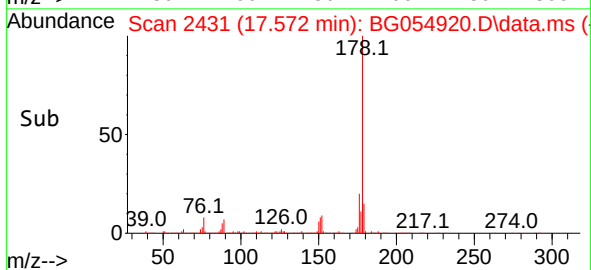
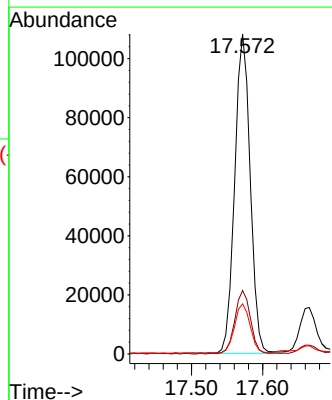
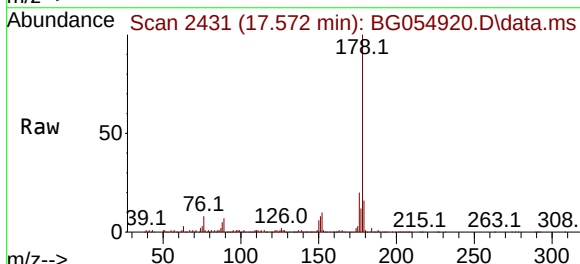
Instrument :
BNA_G
ClientSampleId :
72-11998

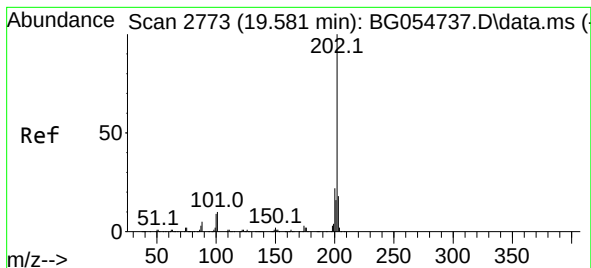
Tgt Ion:248 Resp: 9034
Ion Ratio Lower Upper
248 100
250 184.0 78.8 118.2#
141 435.7 51.9 77.9#



#71
Phenanthrene
Concen: 12.791 ng
RT: 17.572 min Scan# 2431
Delta R.T. 0.001 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

Tgt Ion:178 Resp: 163857
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 15.7 12.8 19.2





#75

Fluoranthene

Concen: 18.902 ng

RT: 19.581 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

ClientSampleId :

72-11998

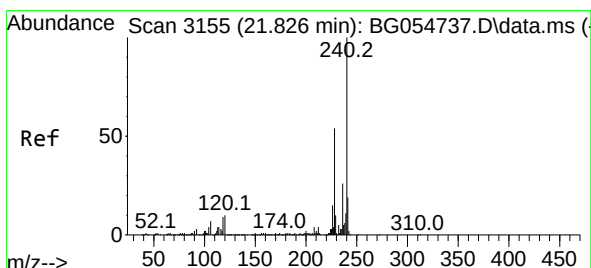
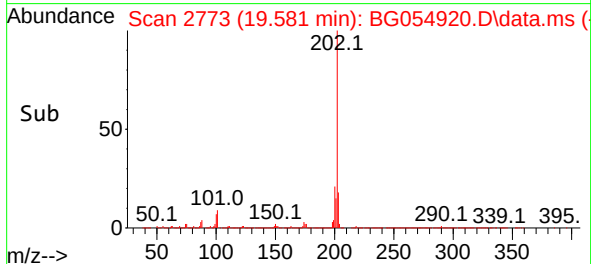
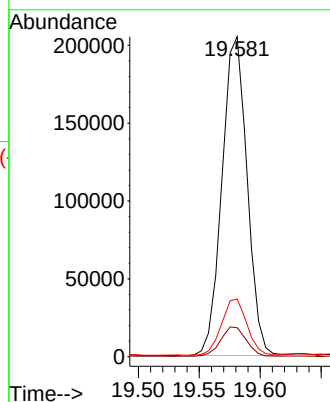
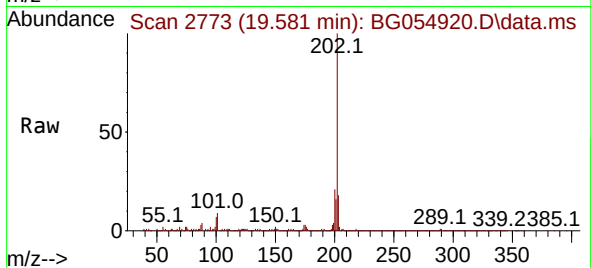
Tgt Ion:202 Resp: 294551

Ion Ratio Lower Upper

202 100

101 9.1 0.0 31.4

203 18.1 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.826 min Scan# 3155

Delta R.T. 0.001 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

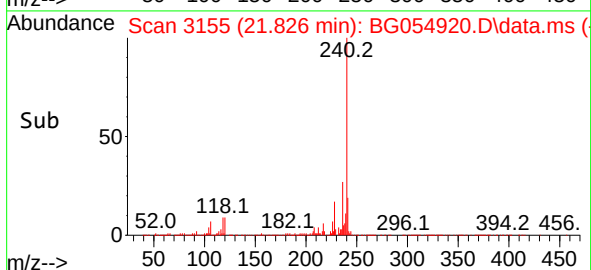
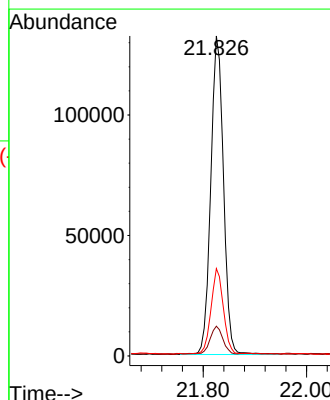
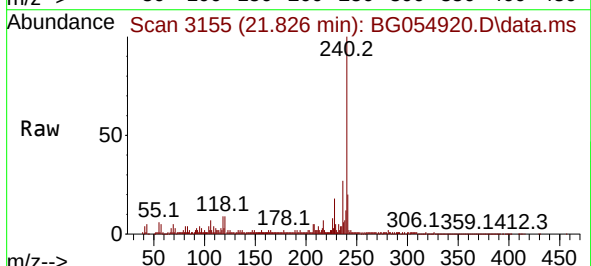
Tgt Ion:240 Resp: 225601

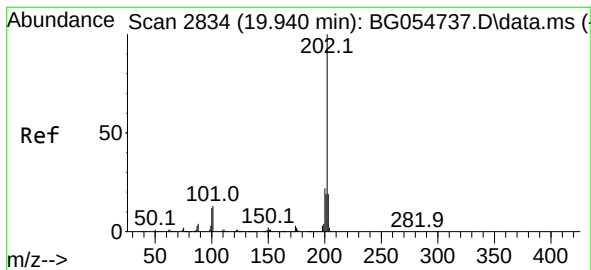
Ion Ratio Lower Upper

240 100

120 9.3 8.2 12.4

236 27.3 21.2 31.8





#78

Pyrene

Concen: 19.767 ng

RT: 19.940 min Scan# 2834

Delta R.T. 0.001 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

ClientSampleId :

72-11998

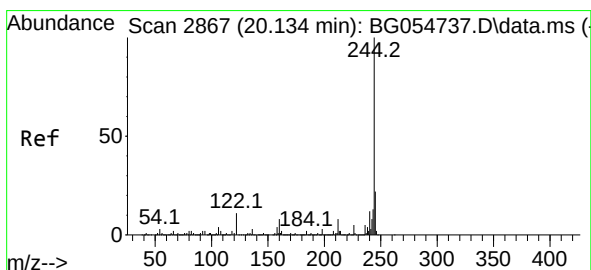
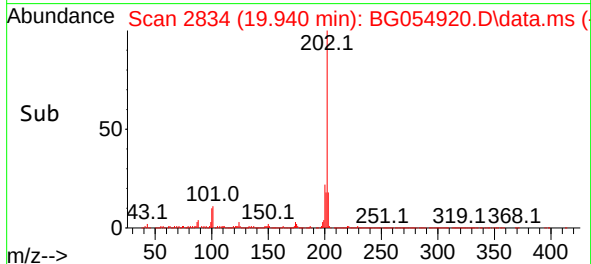
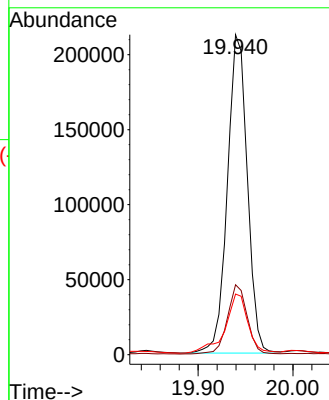
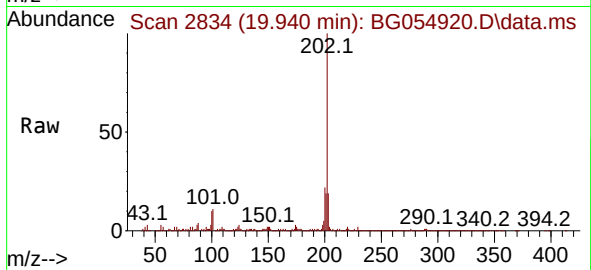
Tgt Ion:202 Resp: 310951

Ion Ratio Lower Upper

202 100

200 21.8 17.8 26.6

203 19.0 14.6 21.8



#79

Terphenyl-d14

Concen: 56.690 ng

RT: 20.128 min Scan# 2866

Delta R.T. 0.001 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

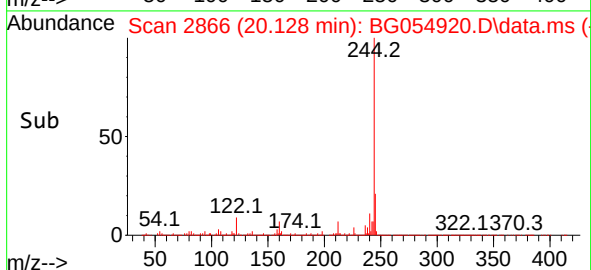
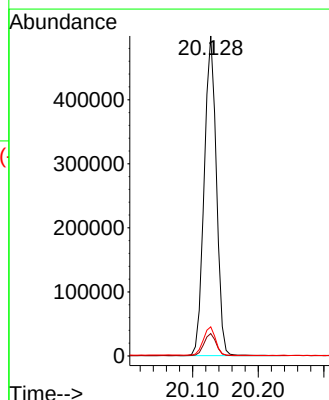
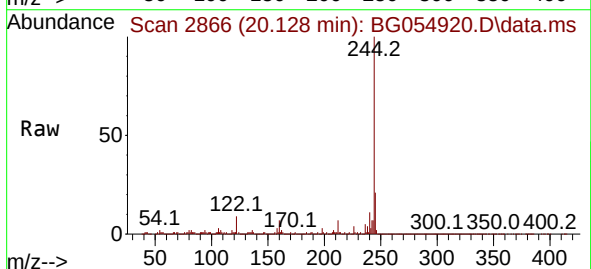
Tgt Ion:244 Resp: 645471

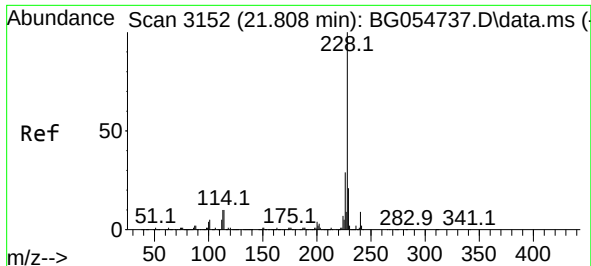
Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

122 9.1 9.0 13.6

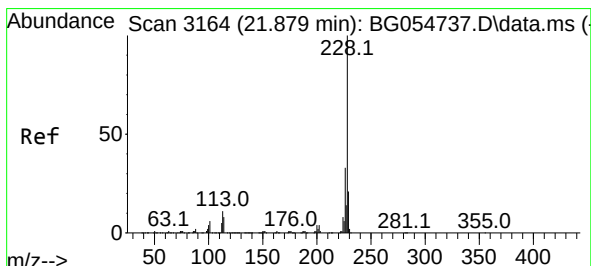
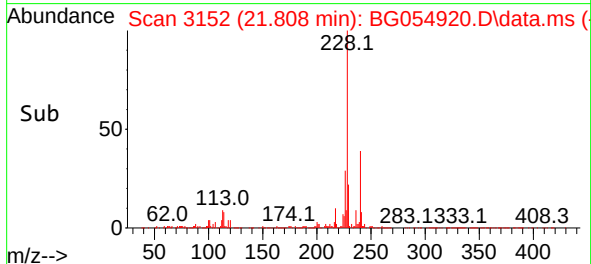
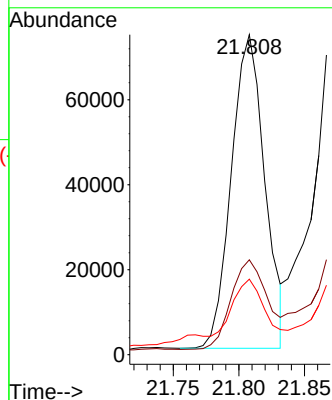
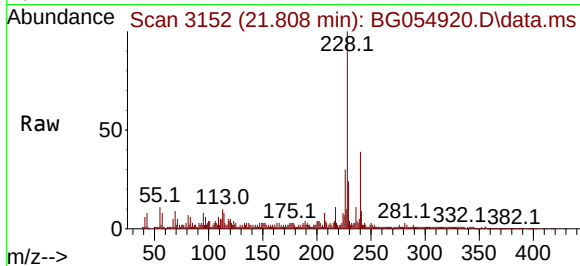




#81
Benzo(a)anthracene
Concen: 8.544 ng
RT: 21.808 min Scan# 3152
Delta R.T. 0.001 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

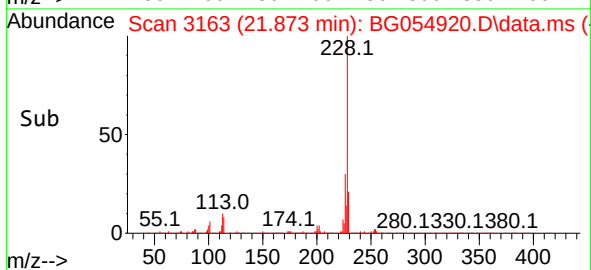
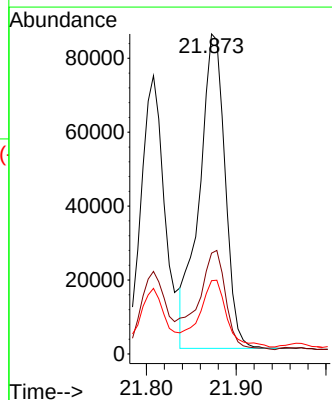
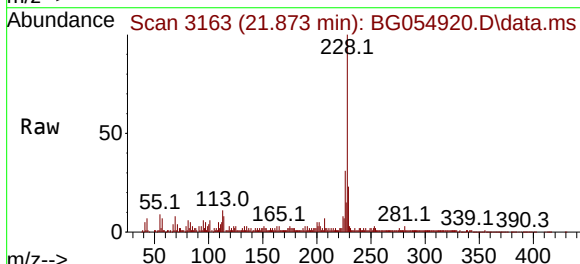
Instrument :
BNA_G
ClientSampleId :
72-11998

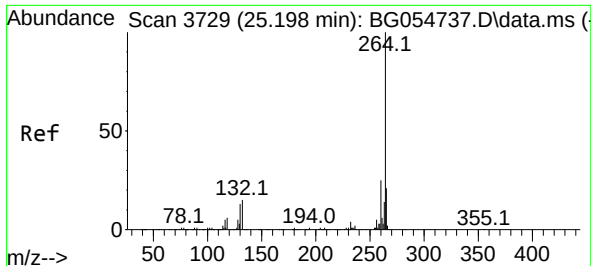
Tgt Ion:228 Resp: 130686
Ion Ratio Lower Upper
228 100
226 29.6 23.4 35.2
229 23.6 16.5 24.7



#83
Chrysene
Concen: 11.616 ng
RT: 21.873 min Scan# 3163
Delta R.T. 0.001 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

Tgt Ion:228 Resp: 169885
Ion Ratio Lower Upper
228 100
226 31.5 25.5 38.3
229 22.9 16.8 25.2

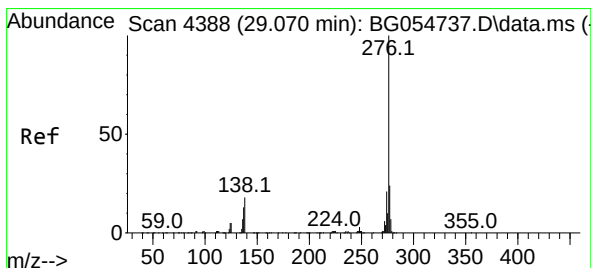
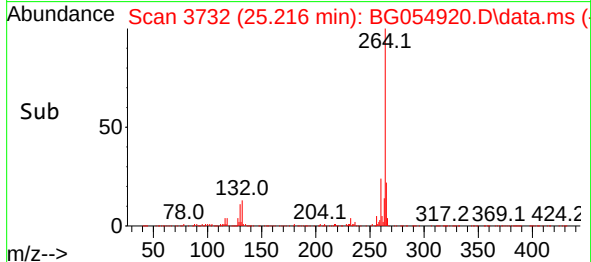
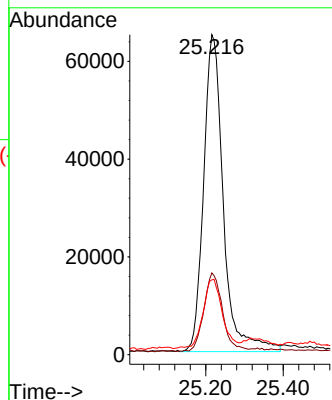
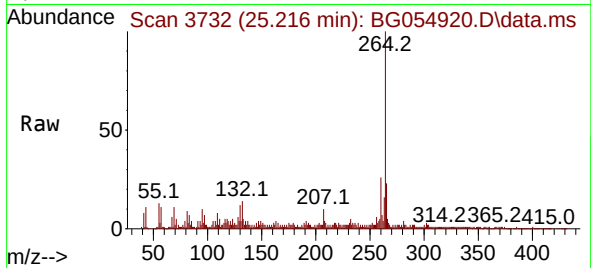




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.216 min Scan# 31
Delta R.T. 0.013 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

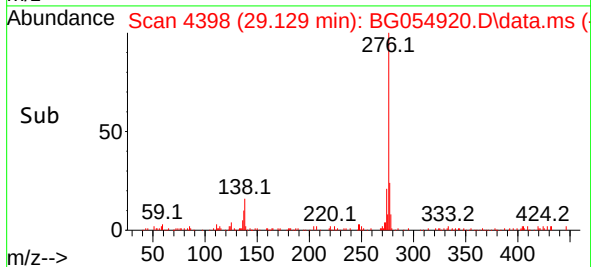
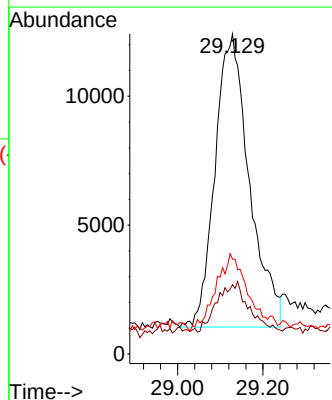
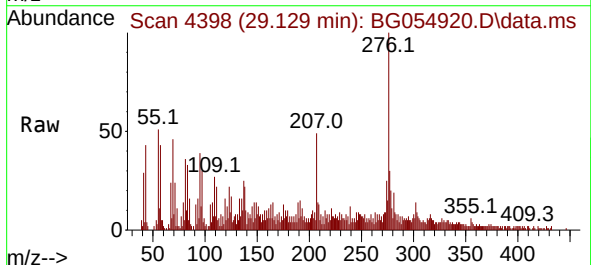
Instrument :
BNA_G
ClientSampleId :
72-11998

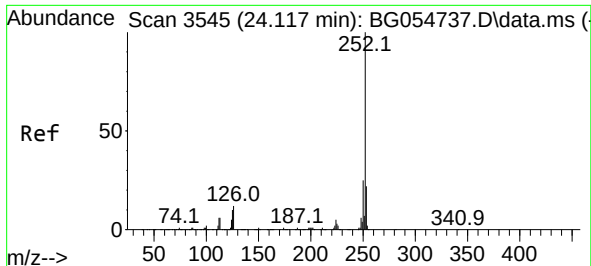
Tgt Ion:264 Resp: 228929
Ion Ratio Lower Upper
264 100
260 25.5 19.9 29.9
265 23.4 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.655 ng
RT: 29.129 min Scan# 4398
Delta R.T. 0.019 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

Tgt Ion:276 Resp: 63523
Ion Ratio Lower Upper
276 100
138 17.3 12.0 18.0
277 24.3 20.2 30.4

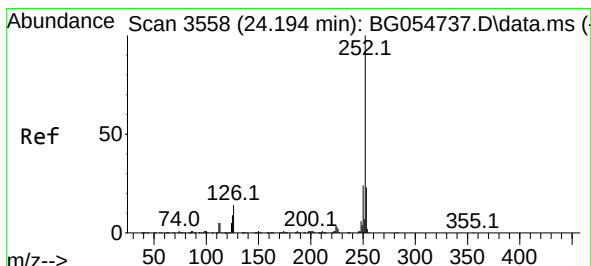
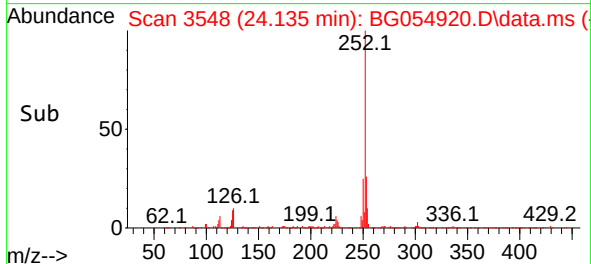
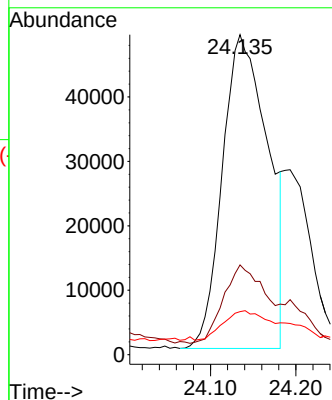
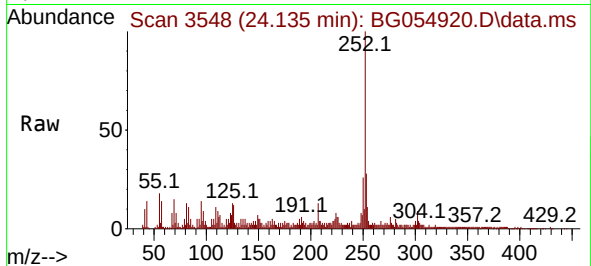




#88
Benzo(b)fluoranthene
Concen: 12.576 ng
RT: 24.135 min Scan# 3548
Delta R.T. 0.013 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

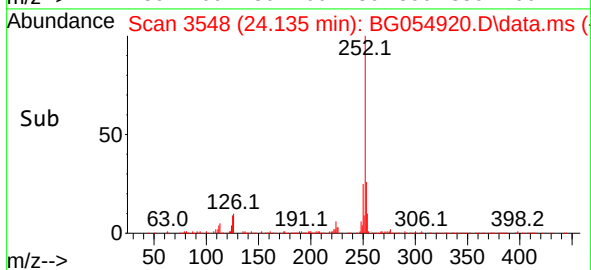
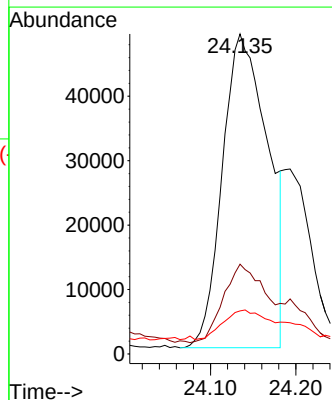
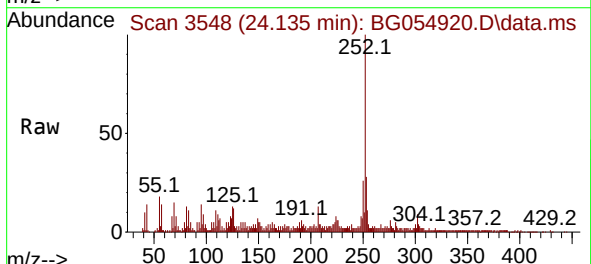
Instrument :
BNA_G
ClientSampleId :
72-11998

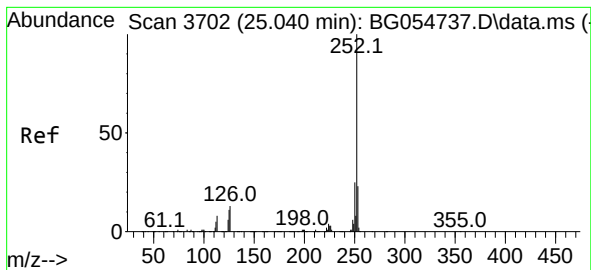
Tgt Ion:252 Resp: 180599
Ion Ratio Lower Upper
252 100
253 28.1 18.0 27.0#
125 13.4 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 12.496 ng
RT: 24.135 min Scan# 3548
Delta R.T. -0.057 min
Lab File: BG054920.D
Acq: 13 Sep 2022 00:32

Tgt Ion:252 Resp: 180599
Ion Ratio Lower Upper
252 100
253 28.1 17.8 26.8#
125 13.4 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 10.970 ng

RT: 25.057 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

Instrument :

BNA_G

ClientSampleId :

72-11998

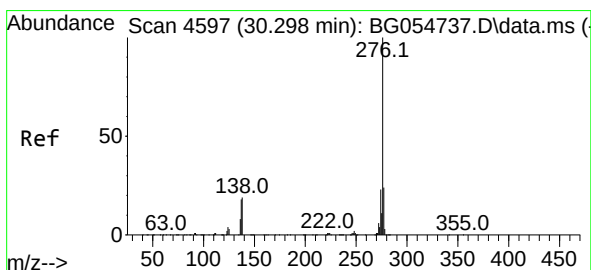
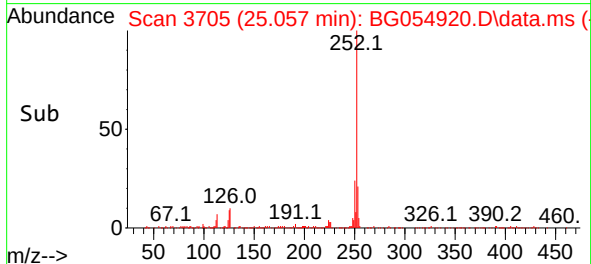
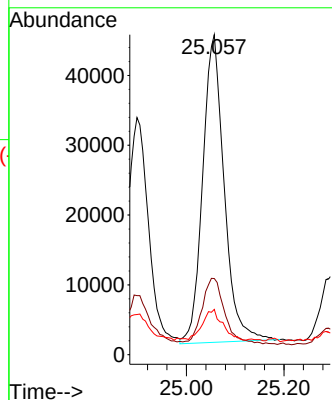
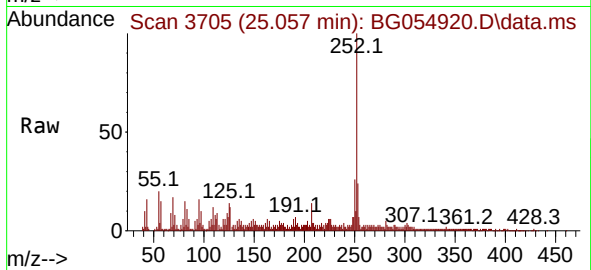
Tgt Ion:252 Resp: 134597

Ion Ratio Lower Upper

252 100

253 23.8 18.3 27.5

125 14.2 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 4.356 ng

RT: 30.351 min Scan# 4606

Delta R.T. 0.025 min

Lab File: BG054920.D

Acq: 13 Sep 2022 00:32

Tgt Ion:276 Resp: 62307

Ion Ratio Lower Upper

276 100

277 29.4 19.4 29.0#

138 23.7 16.6 25.0

