

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054831.D
 Acq On : 1 Sep 2022 21:09
 Operator : CG/JU
 Sample : N4443-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-083022

Quant Time: Sep 02 02:57:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

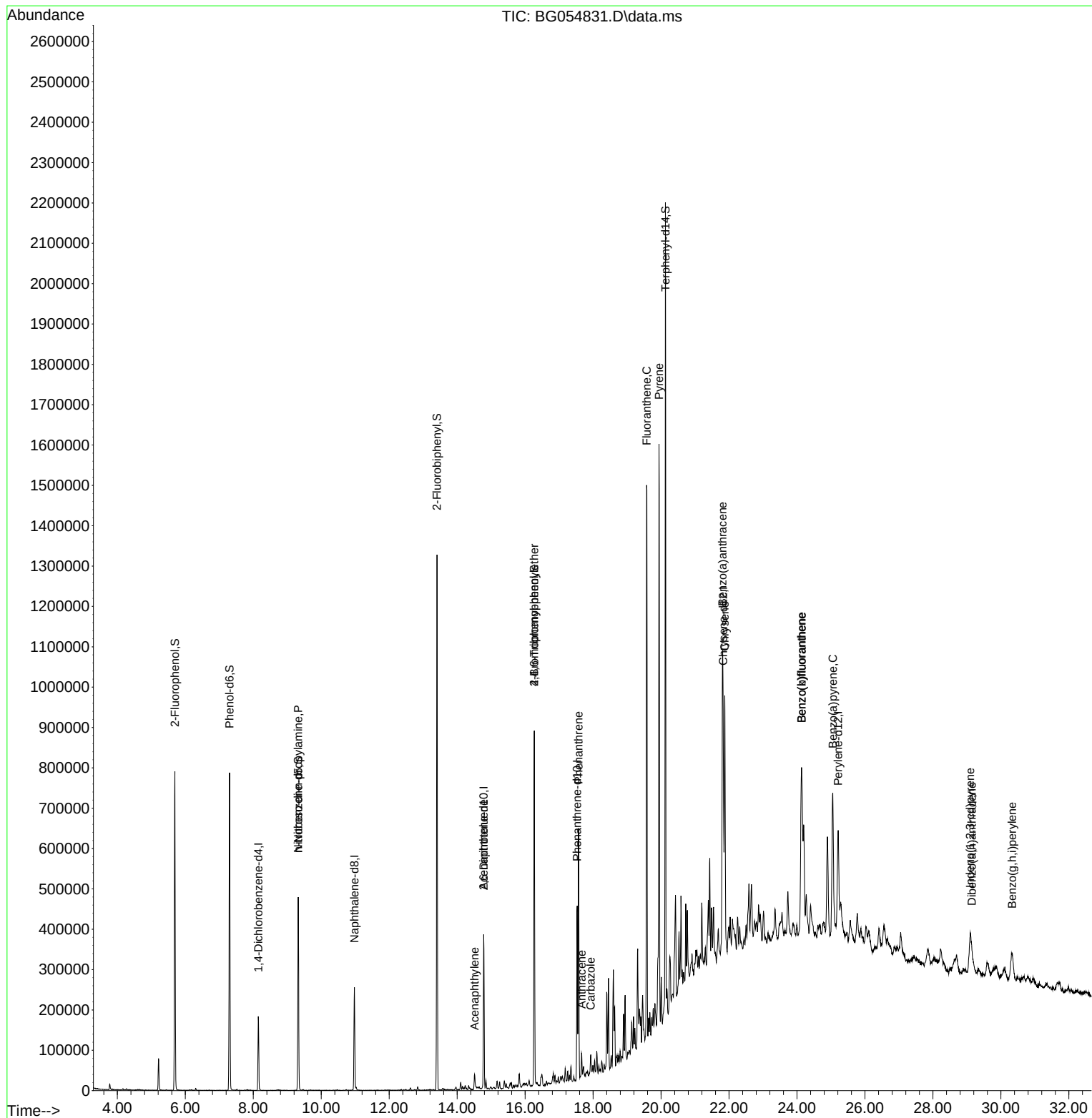
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	56230	20.000	ng	0.00
21) Naphthalene-d8	10.974	136	227040	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	140674	20.000	ng	0.00
64) Phenanthrene-d10	17.531	188	280145	20.000	ng	0.00
76) Chrysene-d12	21.826	240	253200	20.000	ng	0.00
86) Perylene-d12	25.210	264	264854	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	377284	116.839	ng	0.00
7) Phenol-d6	7.301	99	500732	113.389	ng	0.00
23) Nitrobenzene-d5	9.323	82	303456	70.165	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	187470	106.650	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	712518	76.128	ng	0.00
79) Terphenyl-d14	20.128	244	960815	75.188	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.323	70	38684	12.739	ng	# 80
49) Acenaphthylene	14.511	152	41298	3.154	ng	99
51) 2,6-Dinitrotoluene	14.781	165	18902	8.527	ng	# 23
67) 4-Bromophenyl-phenylether	16.267	248	12217	3.972	ng	# 1
71) Phenanthrene	17.572	178	398027	26.671	ng	99
72) Anthracene	17.660	178	44060	3.037	ng	99
73) Carbazole	17.930	167	32669	2.444	ng	96
75) Fluoranthene	19.581	202	893683	49.227	ng	98
78) Pyrene	19.939	202	914356	51.789	ng	98
81) Benzo(a)anthracene	21.808	228	427206	24.884	ng	97
83) Chrysene	21.873	228	477044	29.062	ng	98
87) Indeno(1,2,3-cd)pyrene	29.099	276	233041	11.590	ng	# 92
88) Benzo(b)fluoranthene	24.135	252	627842	37.789	ng	96
89) Benzo(k)fluoranthene	24.135	252	627842	37.548	ng	96
90) Benzo(a)pyrene	25.051	252	454646	32.029	ng	98
91) Dibenzo(a,h)anthracene	29.146	278	54359	3.318	ng	# 75
92) Benzo(g,h,i)perylene	30.327	276	219028	13.235	ng	97

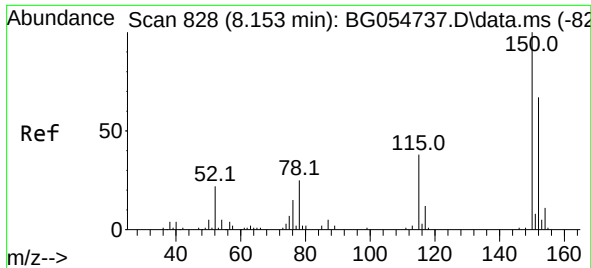
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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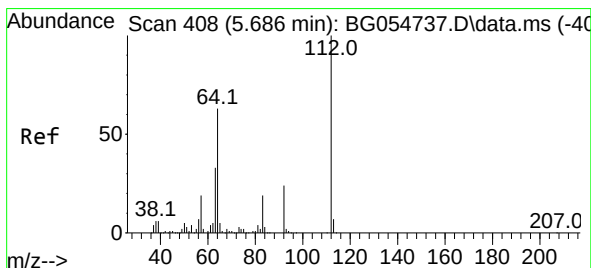
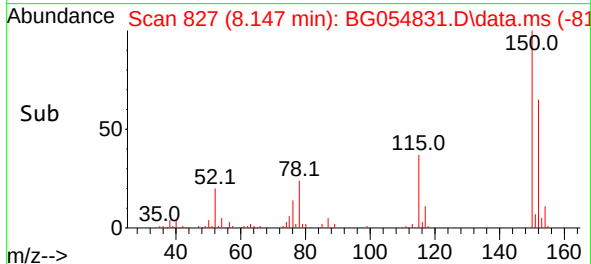
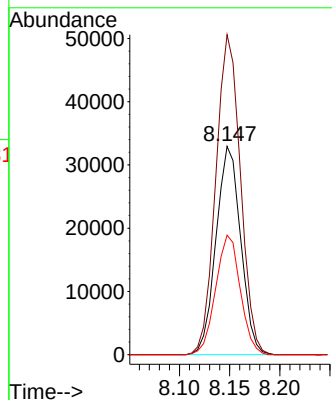
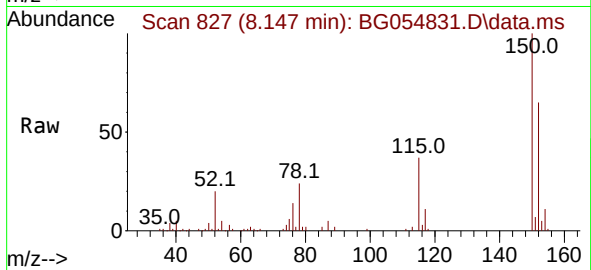




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

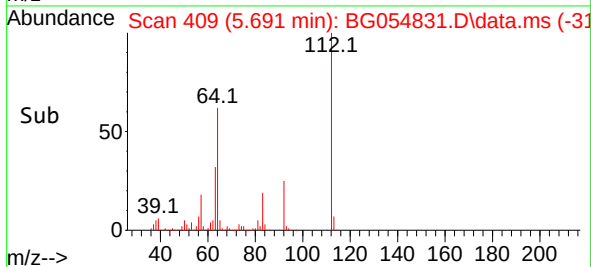
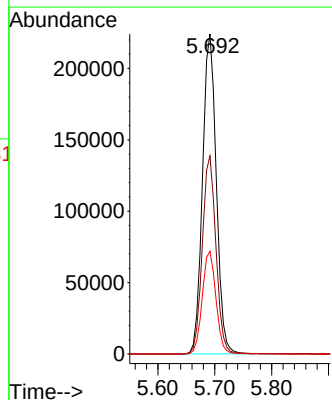
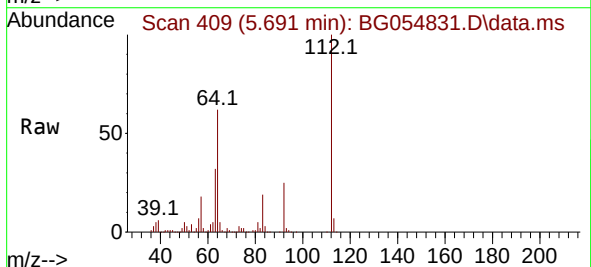
Instrument :
BNA_G
ClientSampleId :
HD-01-083022

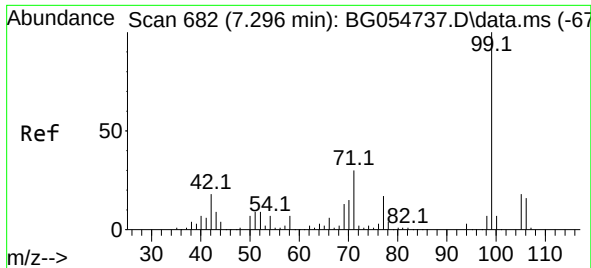
Tgt Ion:152 Resp: 56230
Ion Ratio Lower Upper
152 100
150 153.6 125.2 187.8
115 57.4 47.9 71.9



#5
2-Fluorophenol
Concen: 116.839 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

Tgt Ion:112 Resp: 377284
Ion Ratio Lower Upper
112 100
64 61.9 49.3 73.9
63 32.1 26.3 39.5

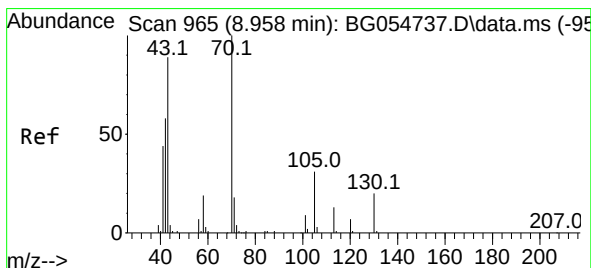
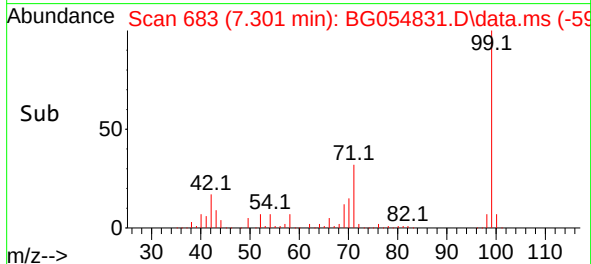
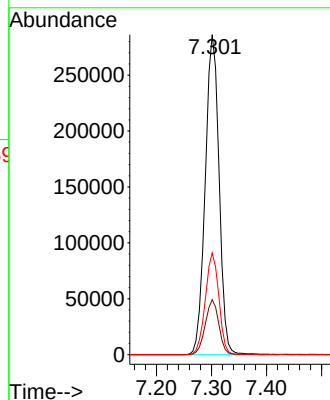
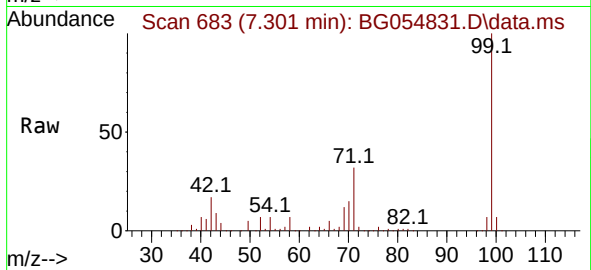




#7
Phenol-d6
Concen: 113.389 ng
RT: 7.301 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

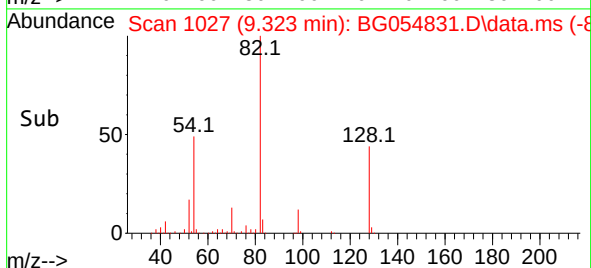
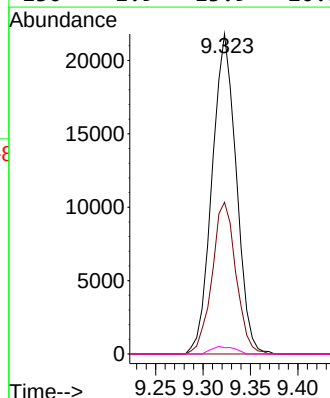
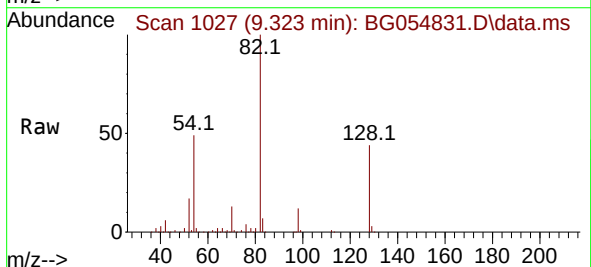
Instrument :
BNA_G
ClientSampleId :
HD-01-083022

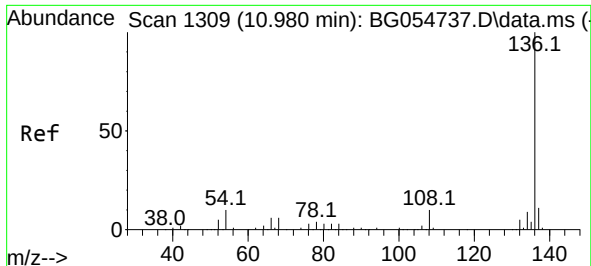
Tgt Ion: 99 Resp: 500732
Ion Ratio Lower Upper
99 100
42 17.2 14.6 22.0
71 31.8 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.739 ng
RT: 9.323 min Scan# 1027
Delta R.T. 0.364 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

Tgt Ion: 70 Resp: 38684
Ion Ratio Lower Upper
70 100
42 47.4 46.6 69.8
101 0.0 7.7 11.5#
130 1.9 13.9 20.9#

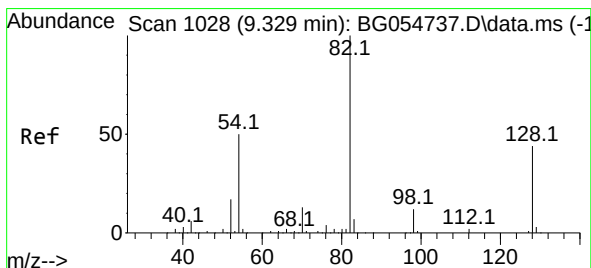
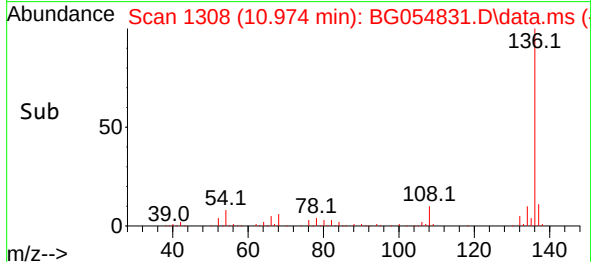
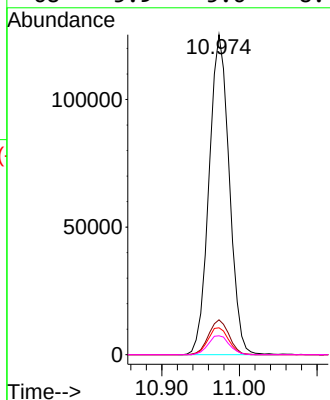
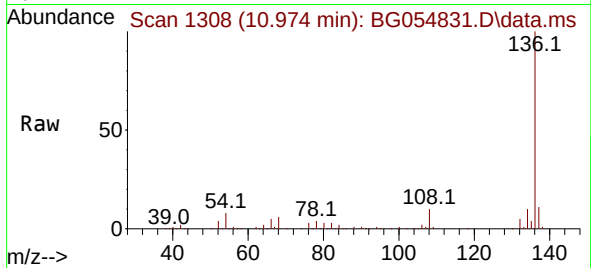




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.974 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

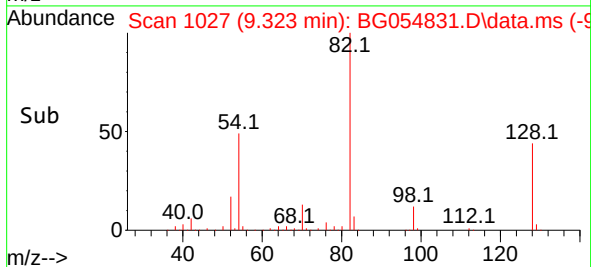
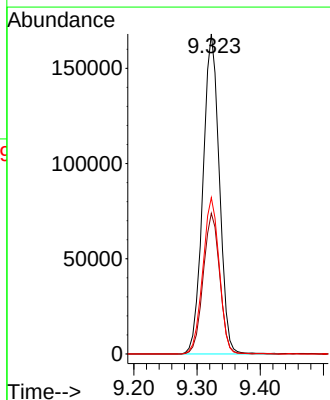
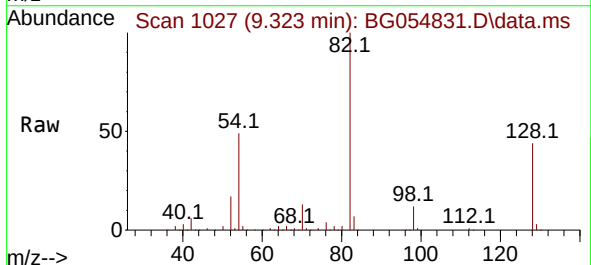
Instrument :
BNA_G
ClientSampleId :
HD-01-083022

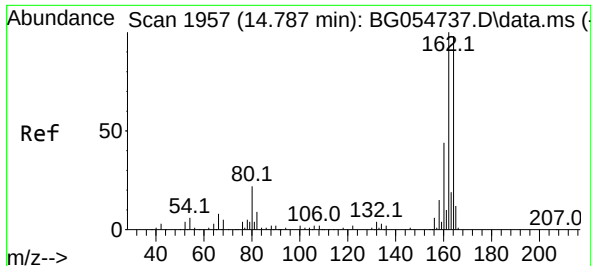
Tgt Ion:	136	Resp:	227040
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	8.4	7.7	11.5
68	5.9	5.6	8.4



#23
Nitrobenzene-d5
Concen: 70.165 ng
RT: 9.323 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

Tgt Ion:	82	Resp:	303456
Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.2	48.2
54	48.9	41.4	62.0

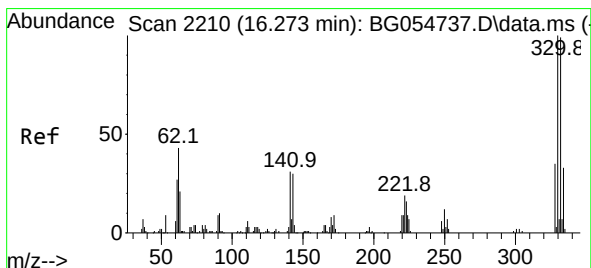
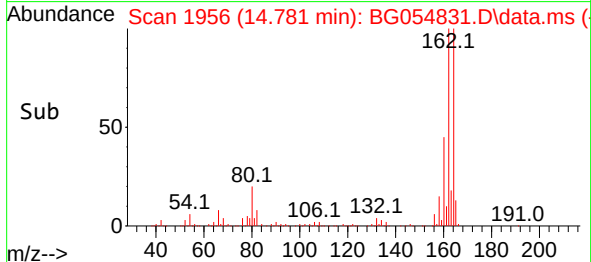
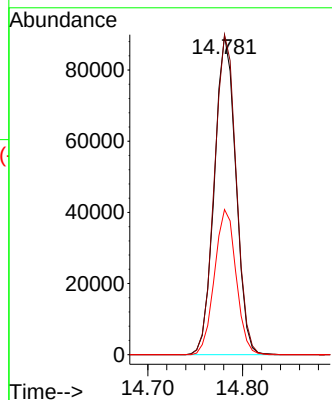
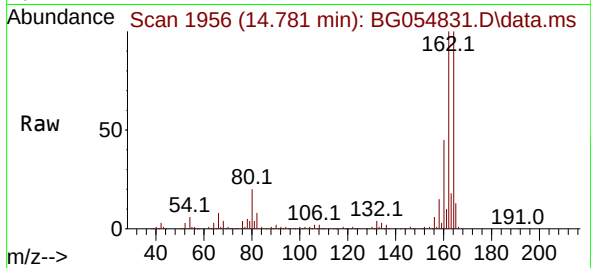




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

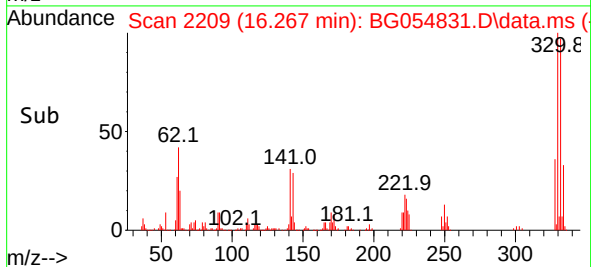
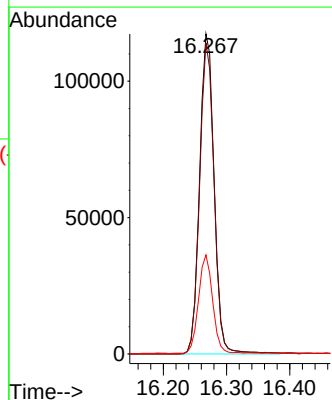
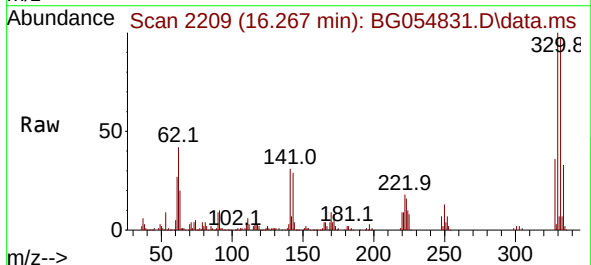
Instrument :
BNA_G
ClientSampleId :
HD-01-083022

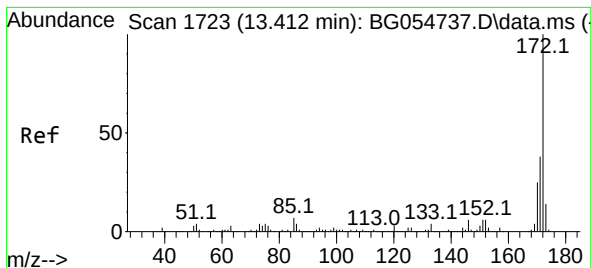
Tgt Ion:164 Resp: 140674
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.4
160 45.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 106.650 ng
RT: 16.267 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

Tgt Ion:330 Resp: 187470
Ion Ratio Lower Upper
330 100
332 96.6 79.8 119.6
141 30.2 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 76.128 ng

RT: 13.406 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG054831.D

Acq: 1 Sep 2022 21:09

Instrument :

BNA_G

ClientSampleId :

HD-01-083022

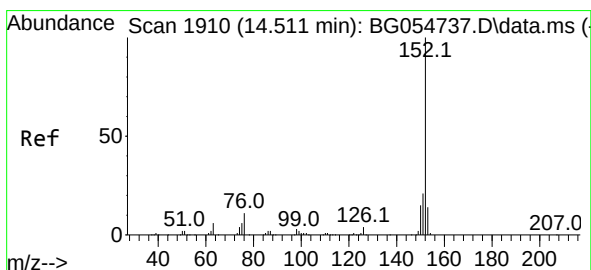
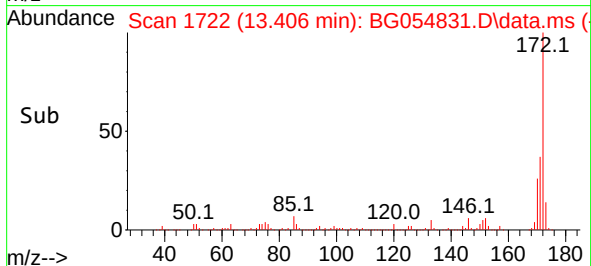
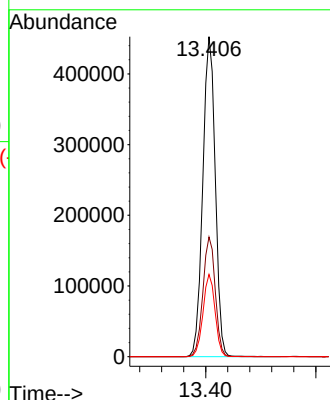
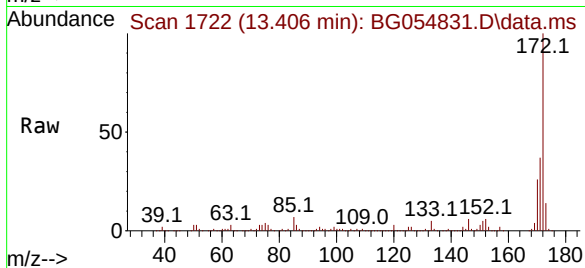
Tgt Ion:172 Resp: 712518

Ion Ratio Lower Upper

172 100

171 37.4 31.2 46.8

170 25.7 20.6 30.8



#49

Acenaphthylene

Concen: 3.154 ng

RT: 14.511 min Scan# 1910

Delta R.T. -0.000 min

Lab File: BG054831.D

Acq: 1 Sep 2022 21:09

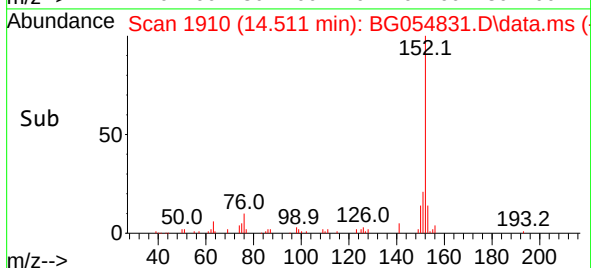
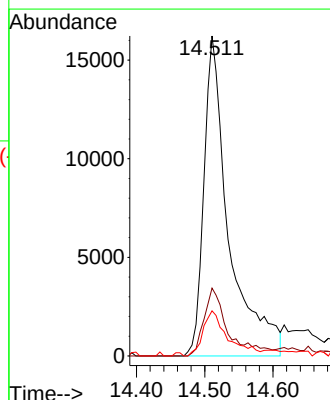
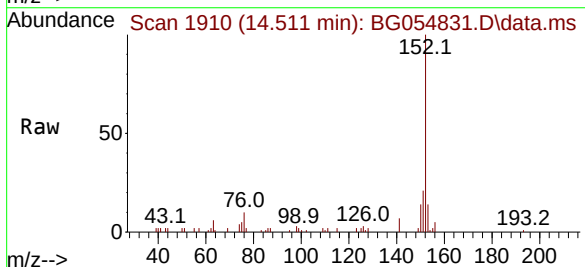
Tgt Ion:152 Resp: 41298

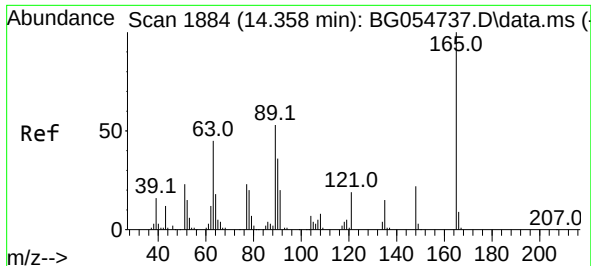
Ion Ratio Lower Upper

152 100

151 21.2 17.3 25.9

153 14.1 10.8 16.2

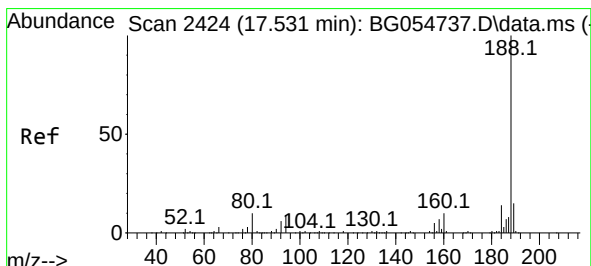
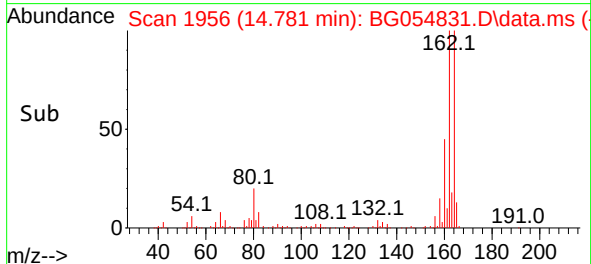
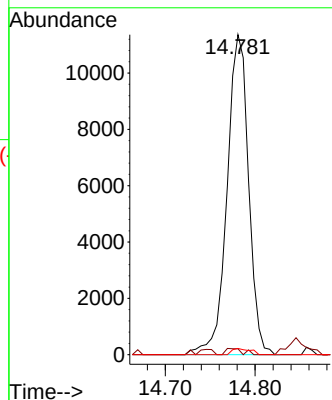
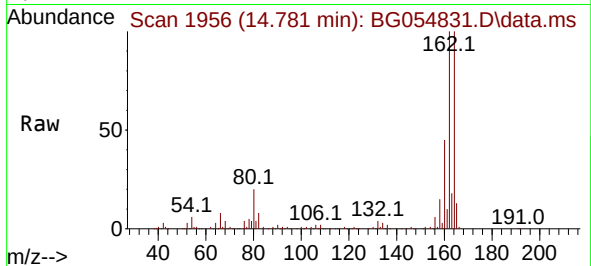




#51
2,6-Dinitrotoluene
Concen: 8.527 ng
RT: 14.781 min Scan# 1956
Delta R.T. 0.423 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

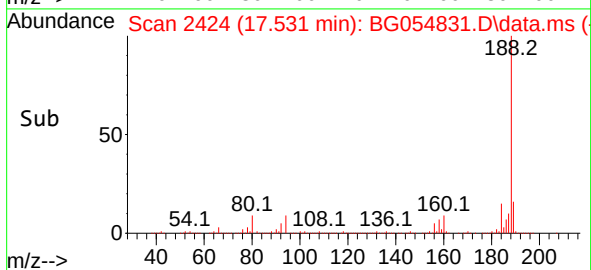
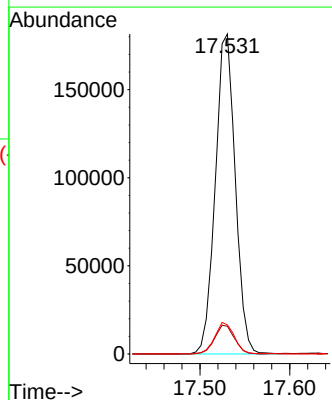
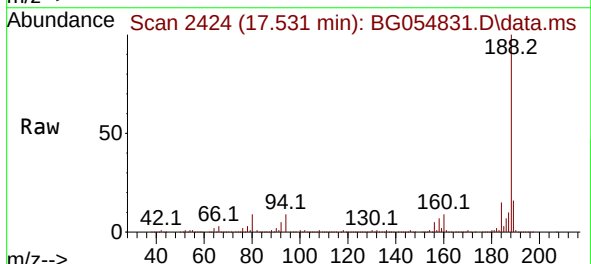
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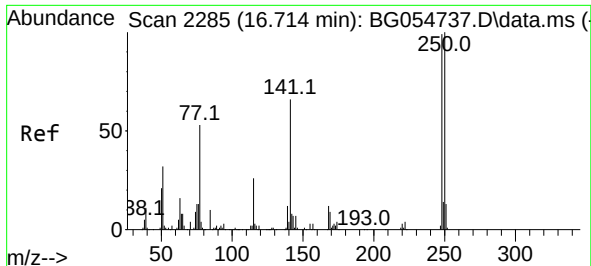
Tgt Ion:165 Resp: 18902
Ion Ratio Lower Upper
165 100
63 1.9 46.0 69.0#
89 2.0 50.3 75.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.531 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

Tgt Ion:188 Resp: 280145
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.4
80 9.1 7.9 11.9

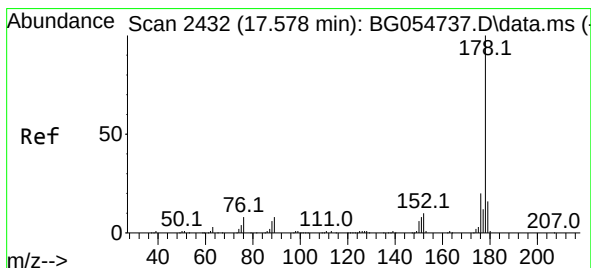
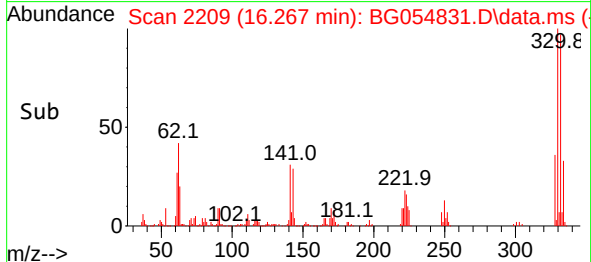
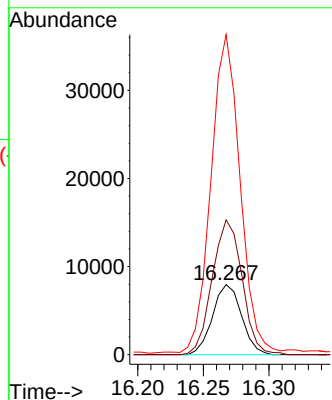
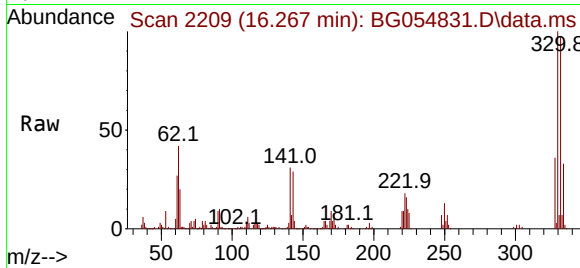




#67
4-Bromophenyl-phenylether
Concen: 3.972 ng
RT: 16.267 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

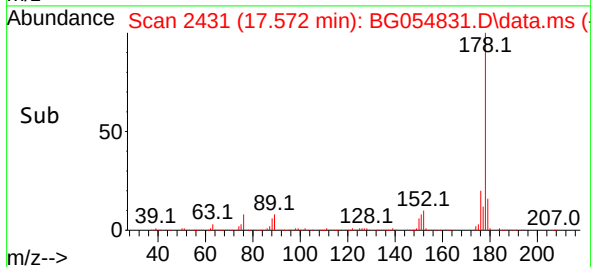
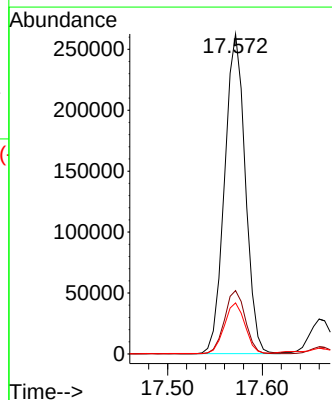
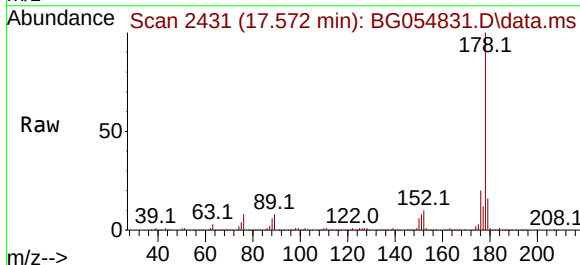
Instrument :
BNA_G
ClientSampleId :
HD-01-083022

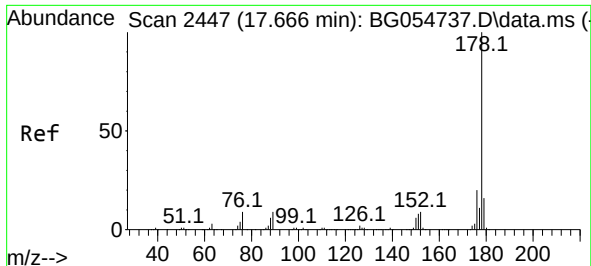
Tgt Ion:248 Resp: 12217
Ion Ratio Lower Upper
248 100
250 192.4 78.8 118.2#
141 456.6 51.9 77.9#



#71
Phenanthrene
Concen: 26.671 ng
RT: 17.572 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

Tgt Ion:178 Resp: 398027
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 16.0 12.8 19.2

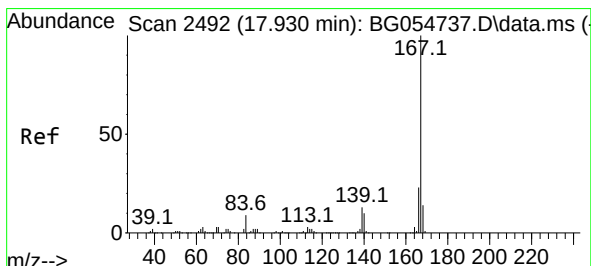
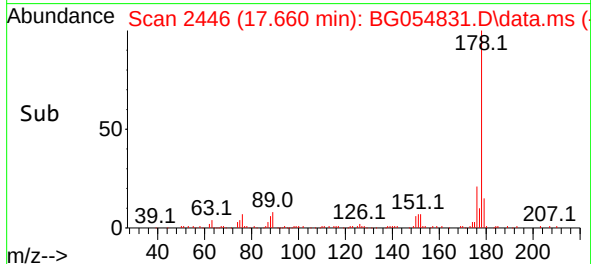
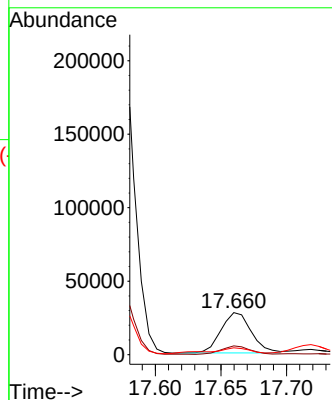
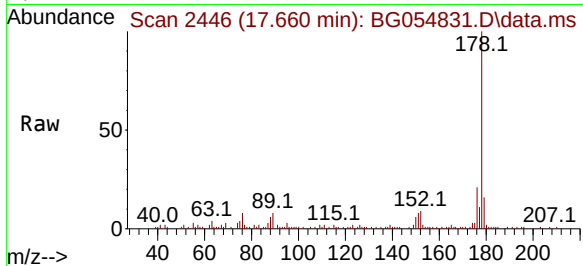




#72
 Anthracene
 Concen: 3.037 ng
 RT: 17.660 min Scan# 2447
 Delta R.T. -0.006 min
 Lab File: BG054831.D
 Acq: 1 Sep 2022 21:09

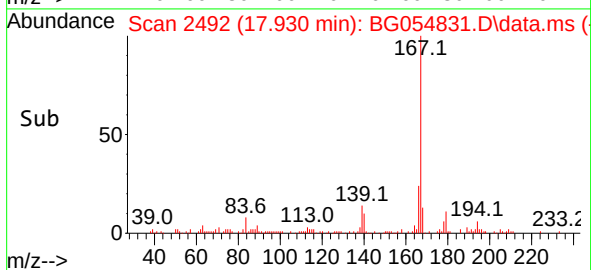
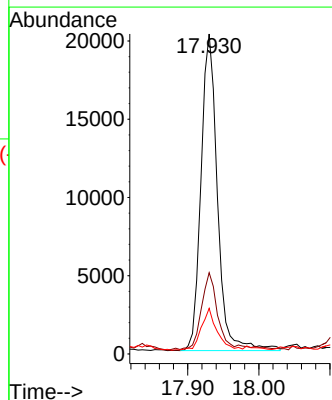
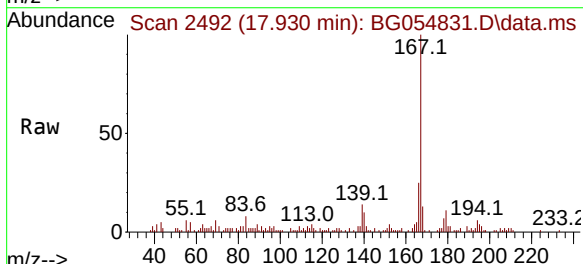
Instrument :
 BNA_G
 ClientSampleId :
 HD-01-083022

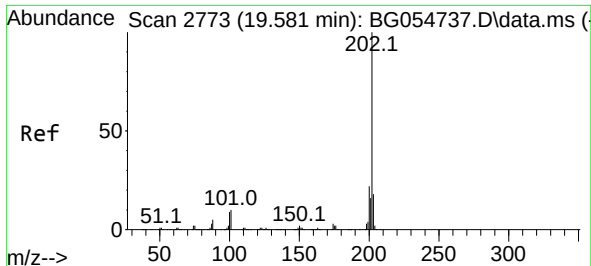
Tgt Ion:178 Resp: 44060
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.2 24.4
 179 16.4 12.9 19.3



#73
 Carbazole
 Concen: 2.444 ng
 RT: 17.930 min Scan# 2492
 Delta R.T. -0.000 min
 Lab File: BG054831.D
 Acq: 1 Sep 2022 21:09

Tgt Ion:167 Resp: 32669
 Ion Ratio Lower Upper
 167 100
 166 25.4 18.8 28.2
 139 14.2 10.2 15.4

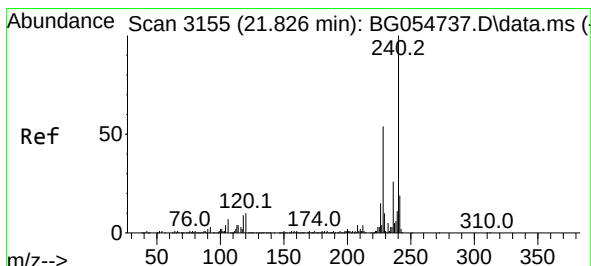
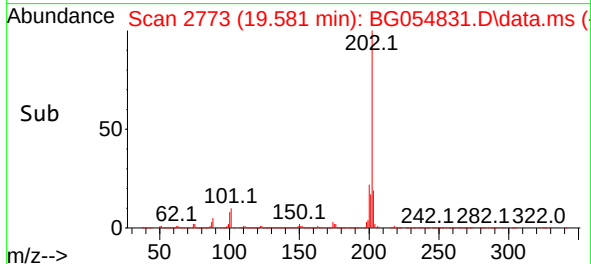
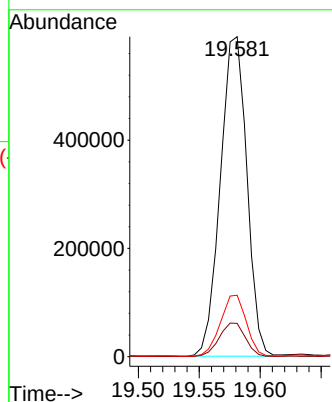
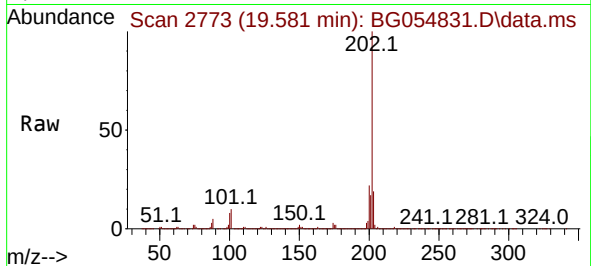




#75
Fluoranthene
Concen: 49.227 ng
RT: 19.581 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

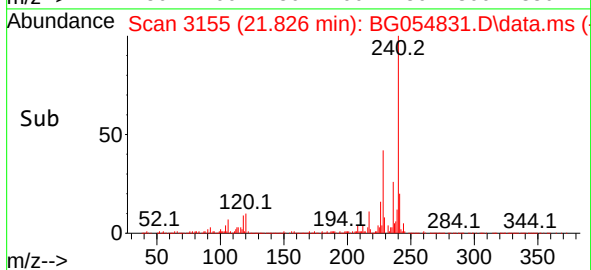
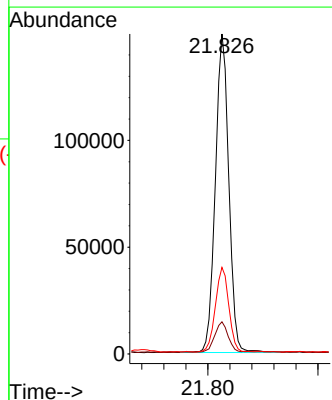
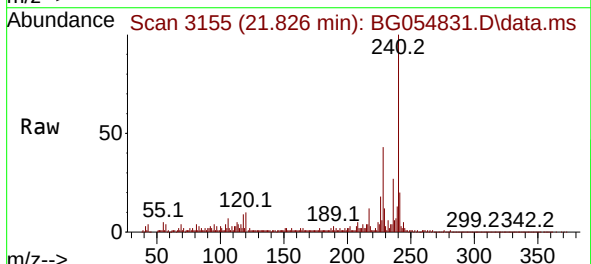
Instrument :
BNA_G
ClientSampleId :
HD-01-083022

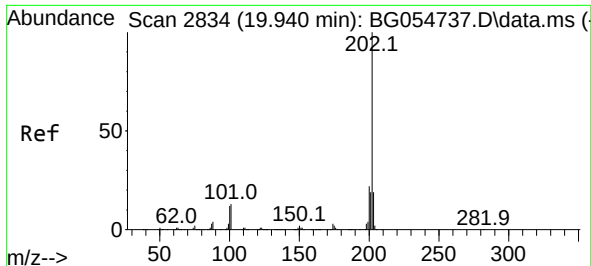
Tgt Ion:202 Resp: 893683
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.4
203 19.2 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.826 min Scan# 3155
Delta R.T. -0.000 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

Tgt Ion:240 Resp: 253200
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.4
236 27.1 21.2 31.8

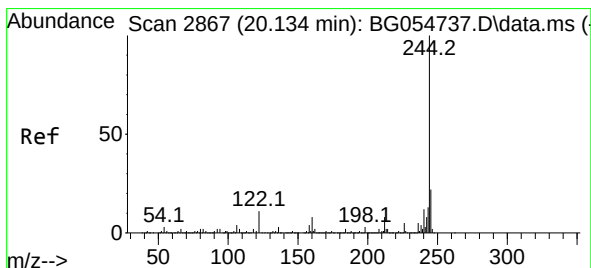
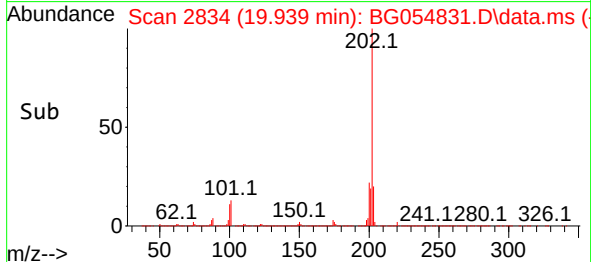
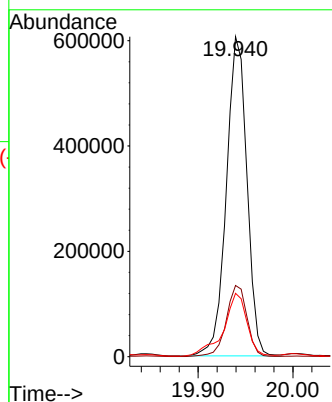
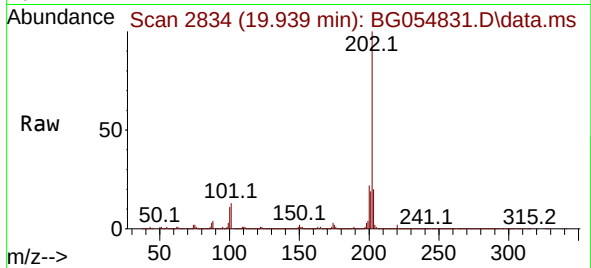




#78
 Pyrene
 Concen: 51.789 ng
 RT: 19.939 min Scan# 2834
 Delta R.T. -0.000 min
 Lab File: BG054831.D
 Acq: 1 Sep 2022 21:09

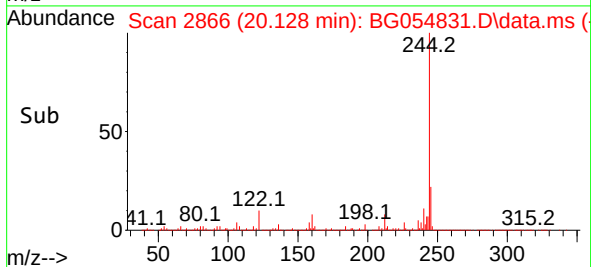
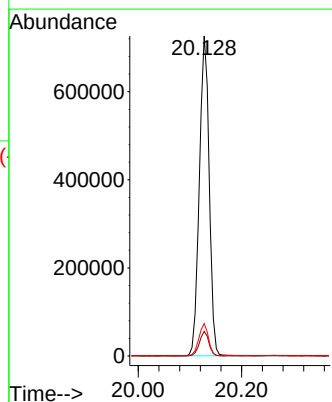
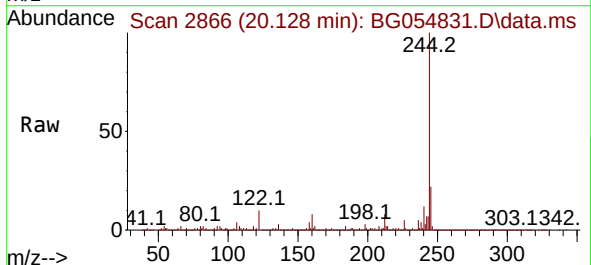
Instrument :
 BNA_G
 ClientSampleId :
 HD-01-083022

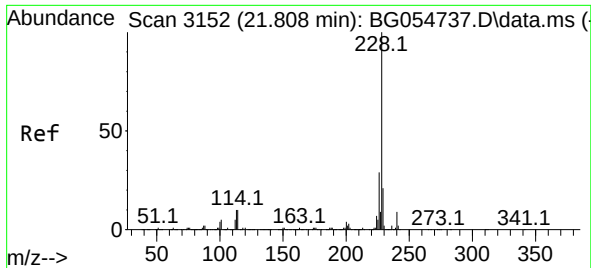
Tgt Ion:202 Resp: 914356
 Ion Ratio Lower Upper
 202 100
 200 22.3 17.8 26.6
 203 19.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 75.188 ng
 RT: 20.128 min Scan# 2866
 Delta R.T. -0.006 min
 Lab File: BG054831.D
 Acq: 1 Sep 2022 21:09

Tgt Ion:244 Resp: 960815
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.1 9.0 13.6

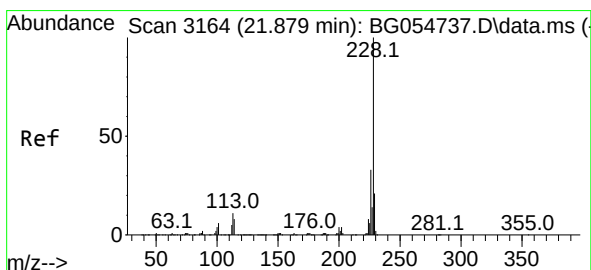
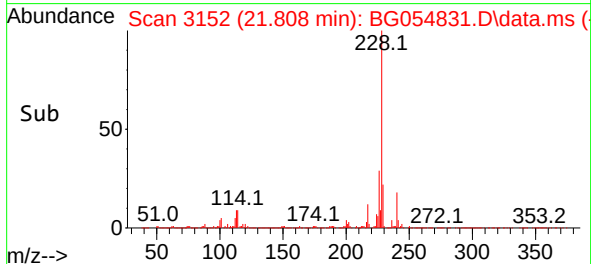
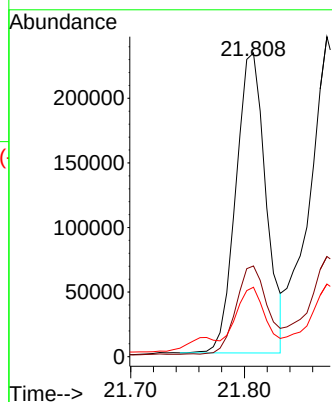
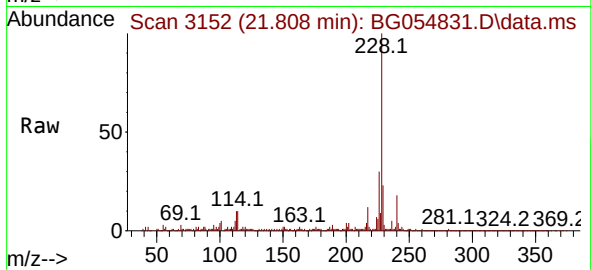




#81
Benzo(a)anthracene
Concen: 24.884 ng
RT: 21.808 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

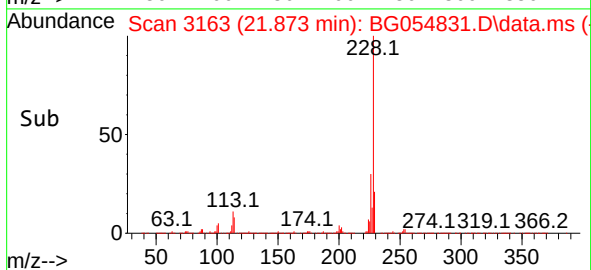
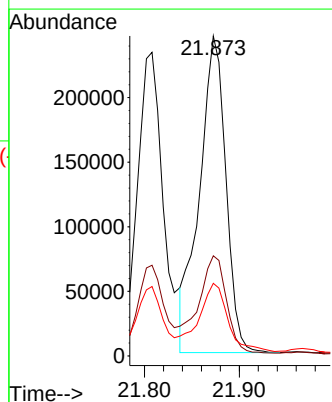
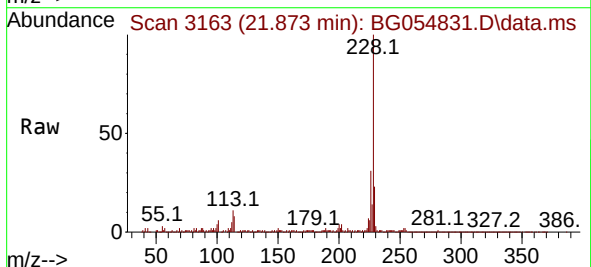
Instrument :
BNA_G
ClientSampleId :
HD-01-083022

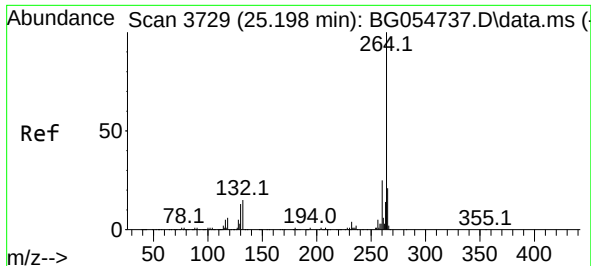
Tgt Ion:228 Resp: 427206
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 22.8 16.5 24.7



#83
Chrysene
Concen: 29.062 ng
RT: 21.873 min Scan# 3163
Delta R.T. -0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

Tgt Ion:228 Resp: 477044
Ion Ratio Lower Upper
228 100
226 31.3 25.5 38.3
229 22.7 16.8 25.2

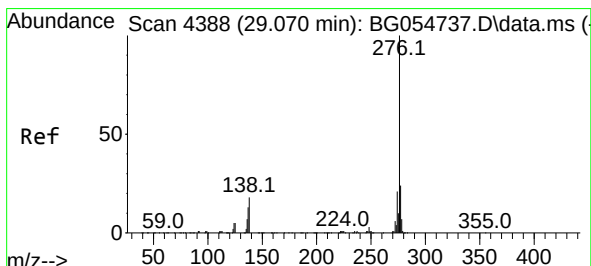
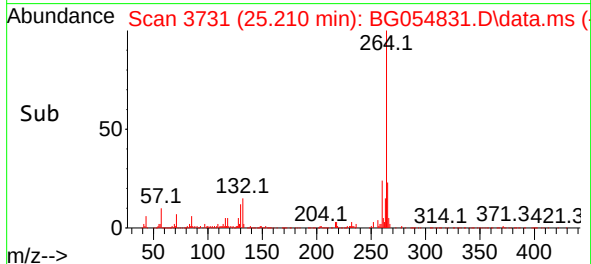
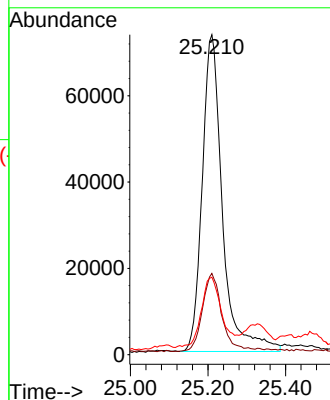
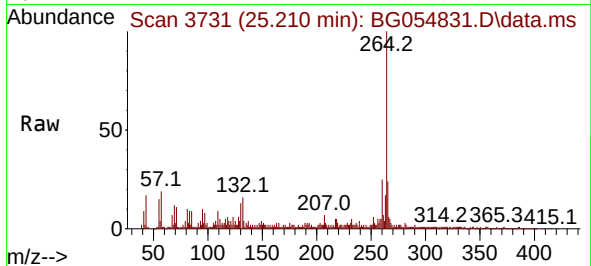




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.210 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BG054831.D
 Acq: 1 Sep 2022 21:09

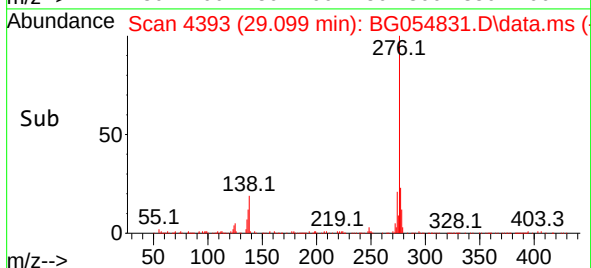
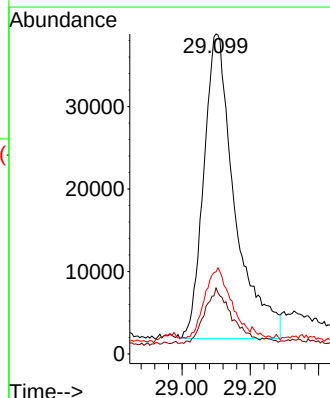
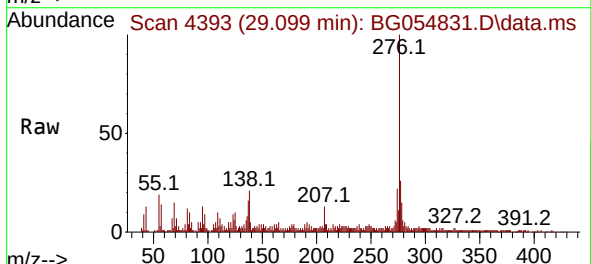
Instrument :
 BNA_G
 ClientSampleId :
 HD-01-083022

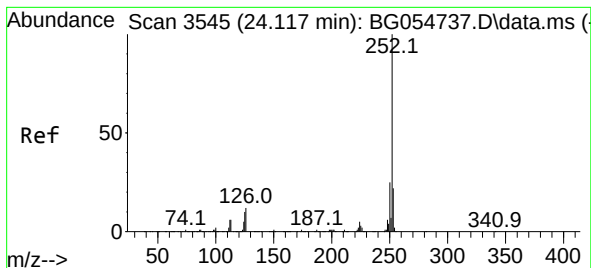
Tgt Ion:264 Resp: 264854
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.9 29.9
 265 24.2 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.590 ng
 RT: 29.099 min Scan# 4393
 Delta R.T. 0.029 min
 Lab File: BG054831.D
 Acq: 1 Sep 2022 21:09

Tgt Ion:276 Resp: 233041
 Ion Ratio Lower Upper
 276 100
 138 15.9 12.0 18.0
 277 19.6 20.2 30.4#





#88

Benzo(b)fluoranthene

Concen: 37.789 ng

RT: 24.135 min Scan# 3548

Delta R.T. 0.017 min

Lab File: BG054831.D

Acq: 1 Sep 2022 21:09

Instrument :

BNA_G

ClientSampleId :

HD-01-083022

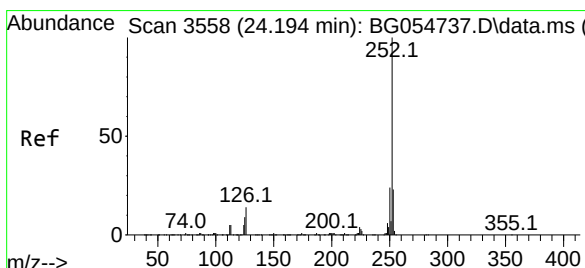
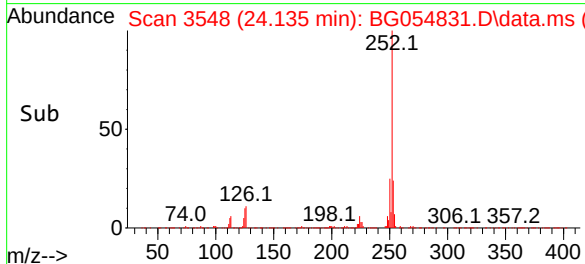
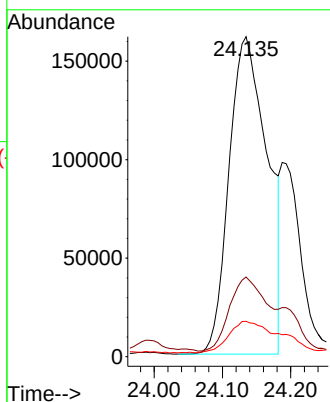
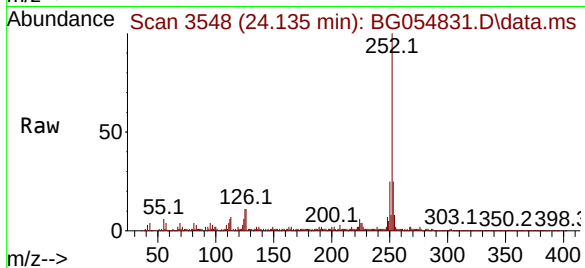
Tgt Ion:252 Resp: 627842

Ion Ratio Lower Upper

252 100

253 24.9 18.0 27.0

125 11.1 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 37.548 ng

RT: 24.135 min Scan# 3548

Delta R.T. -0.059 min

Lab File: BG054831.D

Acq: 1 Sep 2022 21:09

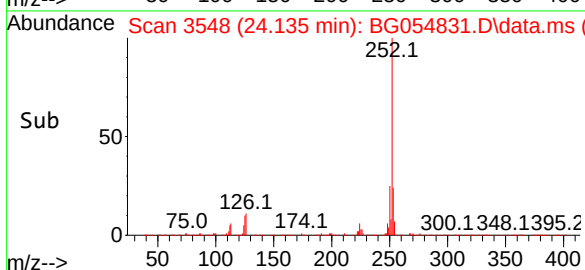
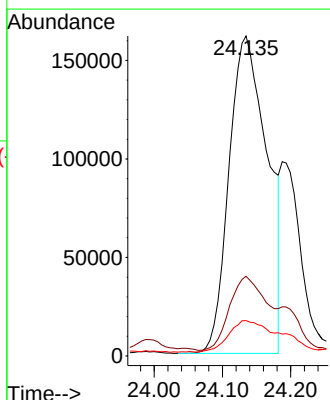
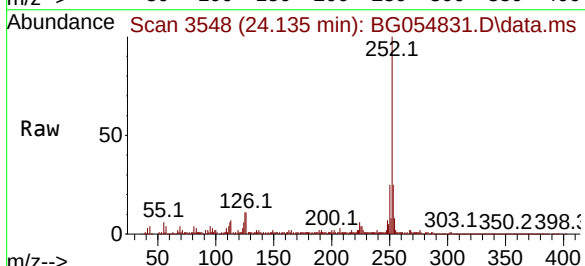
Tgt Ion:252 Resp: 627842

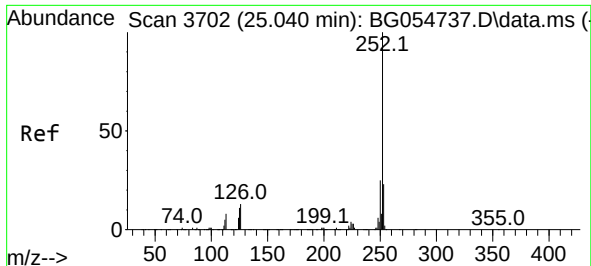
Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

125 11.1 8.2 12.4

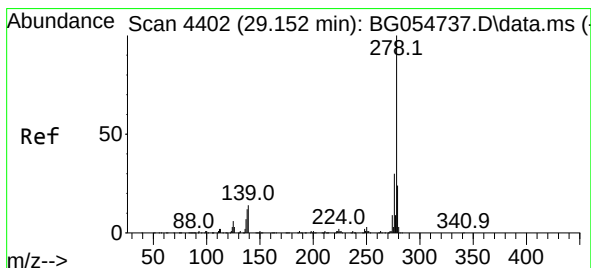
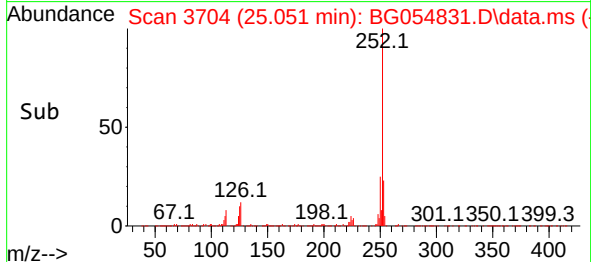
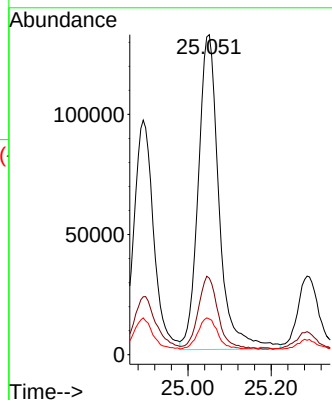
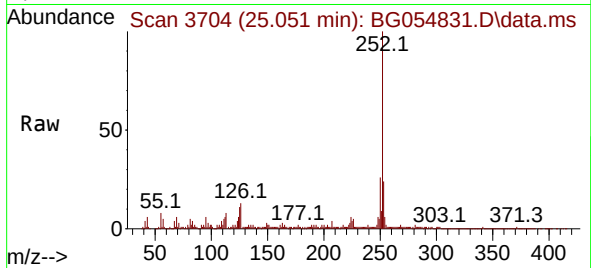




#90
Benzo(a)pyrene
Concen: 32.029 ng
RT: 25.051 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

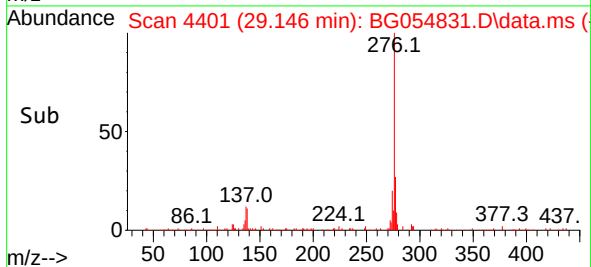
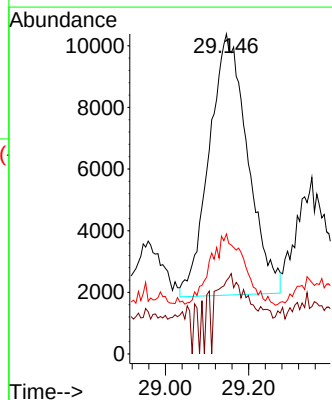
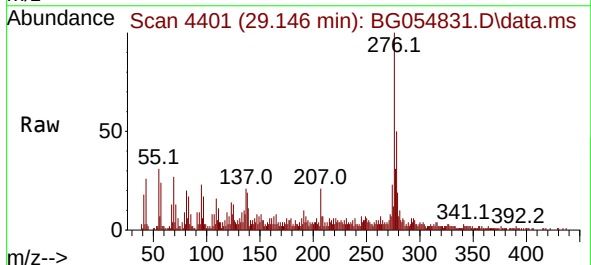
Instrument :
BNA_G
ClientSampleId :
HD-01-083022

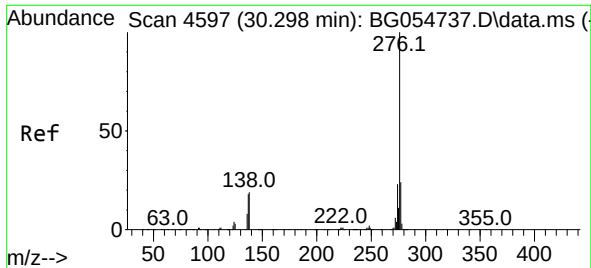
Tgt Ion:252 Resp: 454646
Ion Ratio Lower Upper
252 100
253 23.9 18.3 27.5
125 11.1 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 3.318 ng
RT: 29.146 min Scan# 4401
Delta R.T. -0.006 min
Lab File: BG054831.D
Acq: 1 Sep 2022 21:09

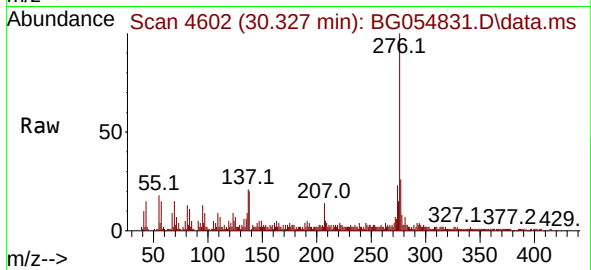
Tgt Ion:278 Resp: 54359
Ion Ratio Lower Upper
278 100
139 22.9 11.4 17.2#
279 37.5 19.3 28.9#





#92
 Benzo(g,h,i)perylene
 Concen: 13.235 ng
 RT: 30.327 min Scan# 4
 Delta R.T. 0.029 min
 Lab File: BG054831.D
 Acq: 1 Sep 2022 21:09

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-083022



Tgt Ion:276 Resp: 219028
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.4 29.0
 138 20.1 16.6 25.0

