

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041922\
 Data File : BG053200.D
 Acq On : 19 Apr 2022 17:57
 Operator : CG/JU
 Sample : N2463-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-041822

Quant Time: Apr 19 18:29:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

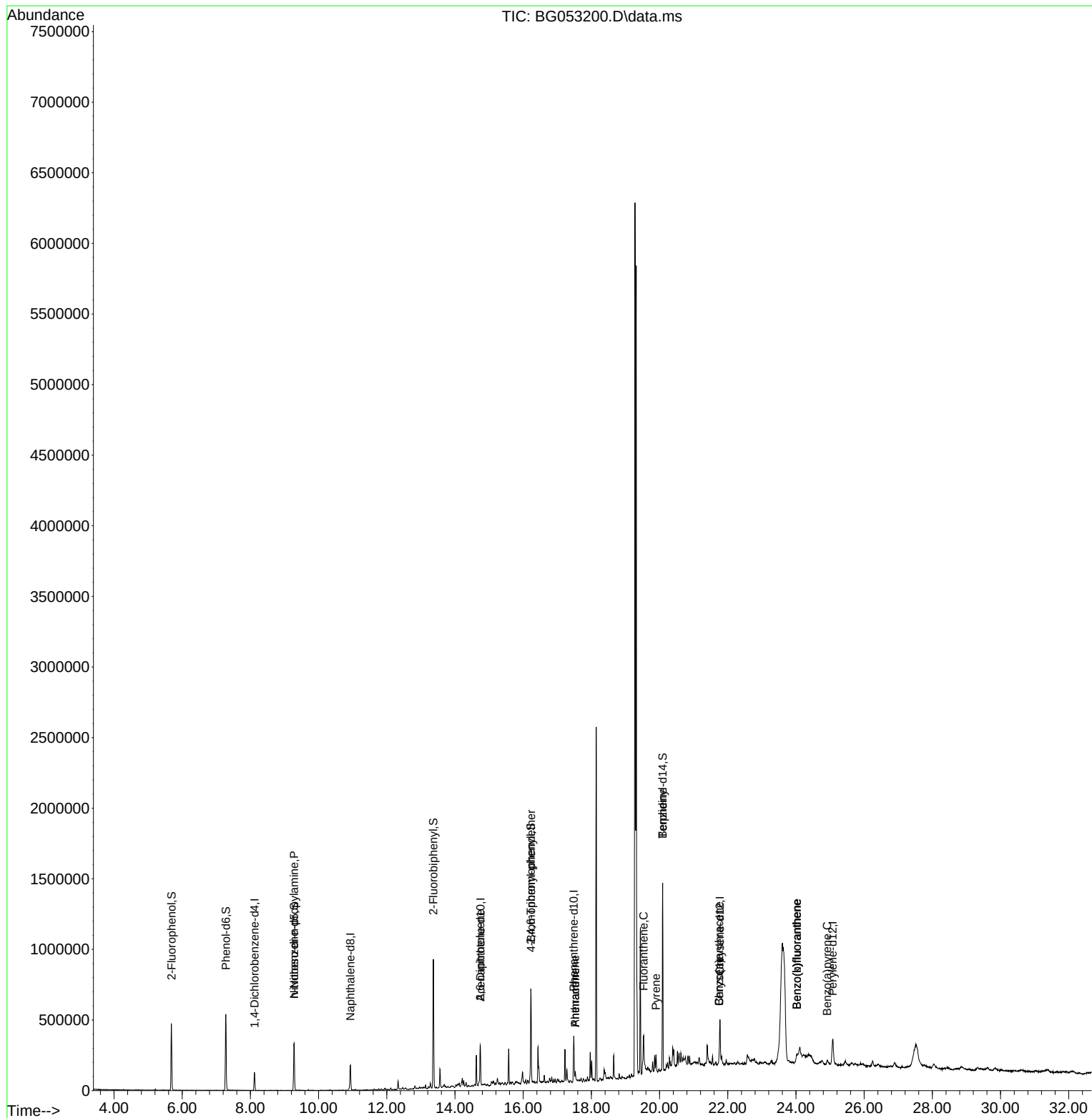
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	33242	20.000	ng	0.00
21) Naphthalene-d8	10.931	136	145867	20.000	ng	# 0.00
39) Acenaphthene-d10	14.744	164	102217	20.000	ng	0.00
64) Phenanthrene-d10	17.481	188	203650	20.000	ng	-0.01
76) Chrysene-d12	21.769	240	193206	20.000	ng	0.00
86) Perylene-d12	25.071	264	201988	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	192812	99.427	ng	0.00
7) Phenol-d6	7.277	99	301704	100.888	ng	0.00
23) Nitrobenzene-d5	9.280	82	217035	60.414	ng	0.00
42) 2,4,6-Tribromophenol	16.224	330	135931	83.586	ng	-0.01
45) 2-Fluorobiphenyl	13.363	172	490082	66.112	ng	0.00
79) Terphenyl-d14	20.089	244	648611	56.698	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.280	70	30453	13.909	ng	# 79
51) 2,6-Dinitrotoluene	14.738	165	15622	9.159	ng	# 27
67) 4-Bromophenyl-phenylether	16.230	248	8537	3.272	ng	# 1
71) Phenanthrene	17.528	178	37951	3.412	ng	95
72) Anthracene	17.528	178	37951	3.444	ng	97
75) Fluoranthene	19.531	202	74768	5.244	ng	99
77) Benzidine	20.089	184	12517	2.271	ng	96
78) Pyrene	19.895	202	68352	4.967	ng	97
81) Benzo(a)anthracene	21.746	228	37492	2.838	ng	98
83) Chrysene	21.746	228	37738	3.078	ng	95
88) Benzo(b)fluoranthene	24.025	252	53250	4.178	ng	# 84
89) Benzo(k)fluoranthene	24.025	252	53250	4.251	ng	# 85
90) Benzo(a)pyrene	24.918	252	36529	3.365	ng	# 95

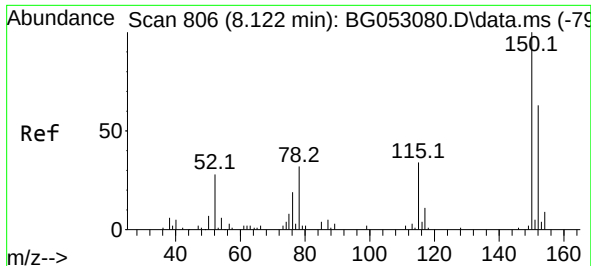
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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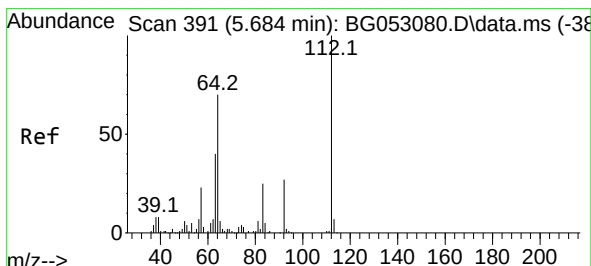
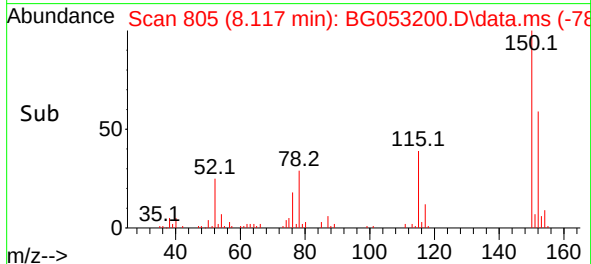
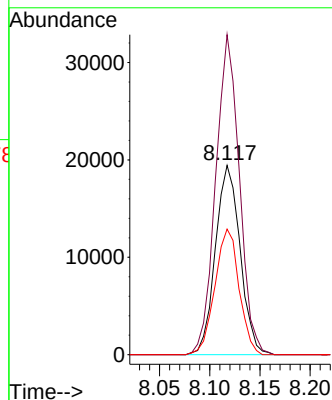
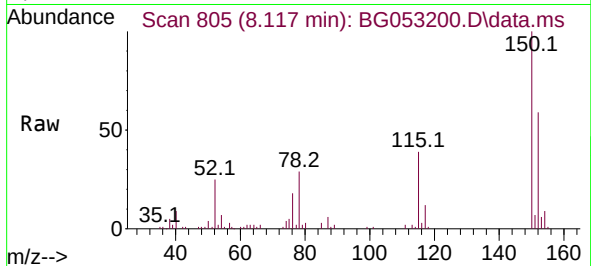




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.117 min Scan# 805
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

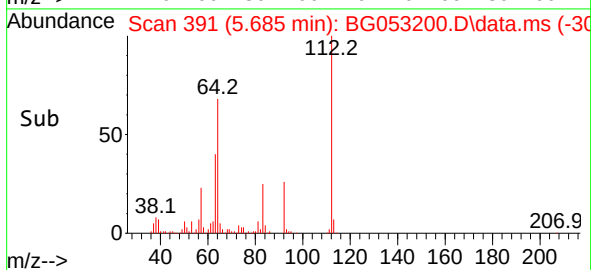
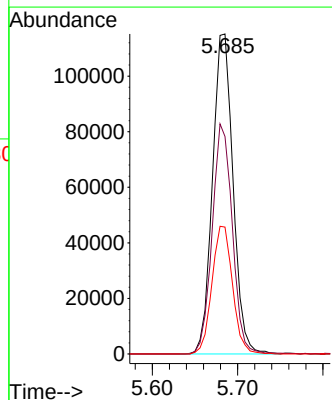
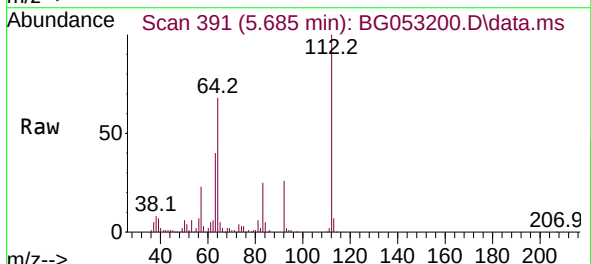
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

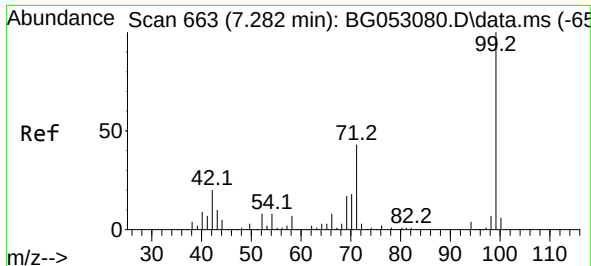
Tgt Ion:152 Resp: 33242
Ion Ratio Lower Upper
152 100
150 169.0 114.6 172.0
115 66.4 45.9 68.9



#5
2-Fluorophenol
Concen: 99.427 ng
RT: 5.685 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion:112 Resp: 192812
Ion Ratio Lower Upper
112 100
64 67.9 48.0 72.0
63 39.7 26.5 39.7

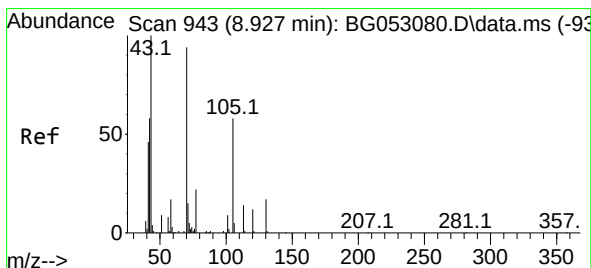
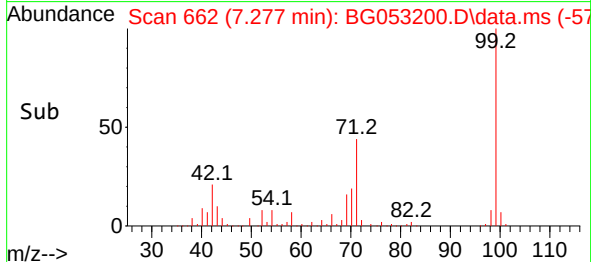
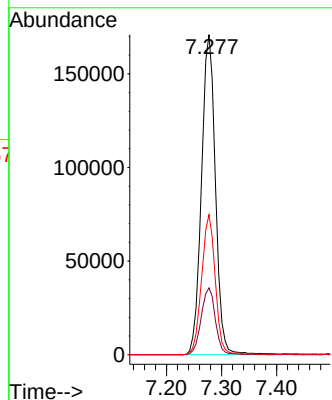
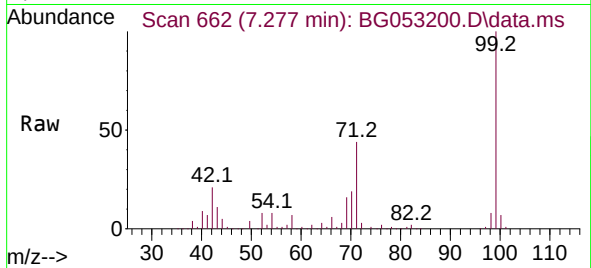




#7
Phenol-d6
Concen: 100.888 ng
RT: 7.277 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

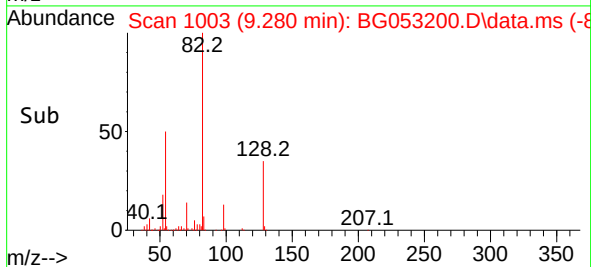
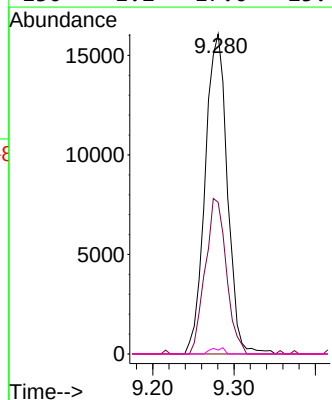
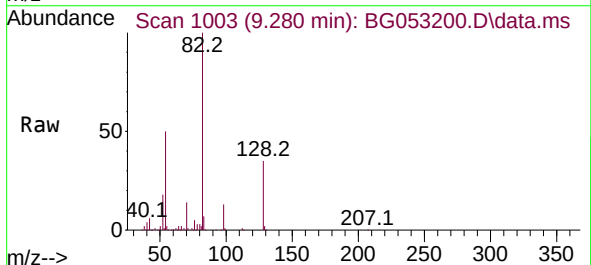
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

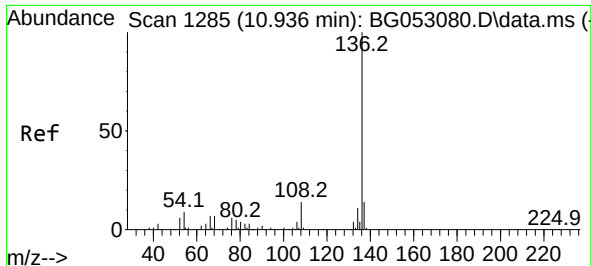
Tgt Ion: 99 Resp: 301704
Ion Ratio Lower Upper
99 100
42 20.9 14.7 22.1
71 43.8 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.909 ng
RT: 9.280 min Scan# 1003
Delta R.T. 0.354 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion: 70 Resp: 30453
Ion Ratio Lower Upper
70 100
42 47.4 46.0 69.0
101 0.0 6.2 9.4#
130 1.2 17.0 25.4#

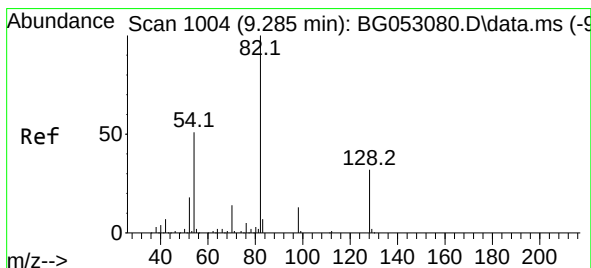
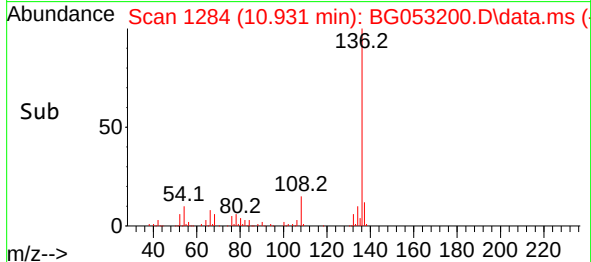
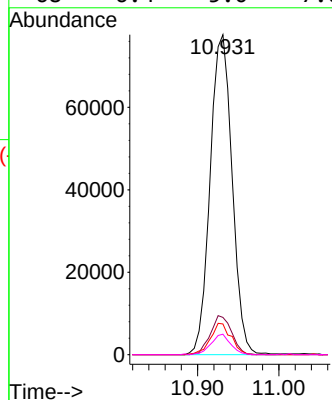
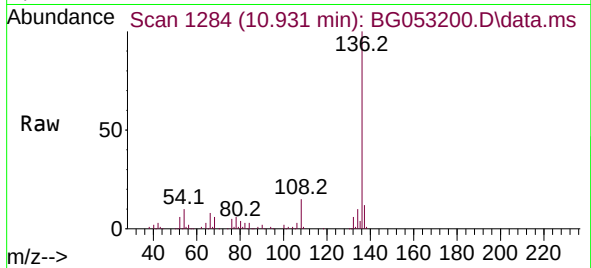




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.931 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

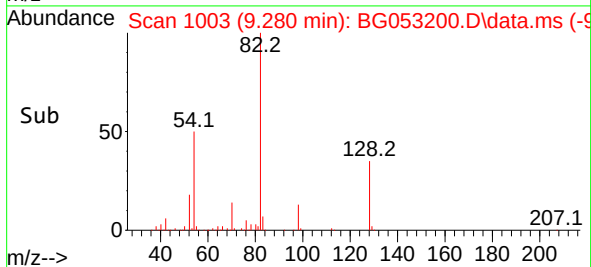
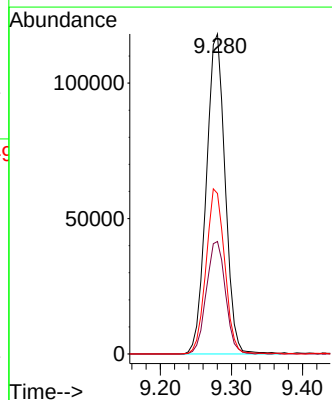
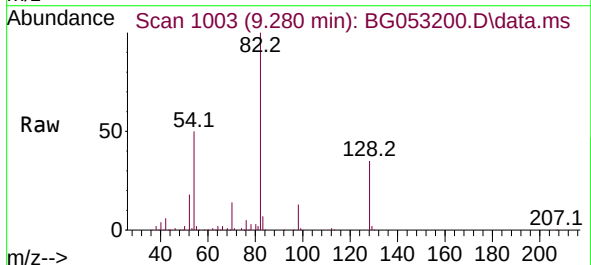
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

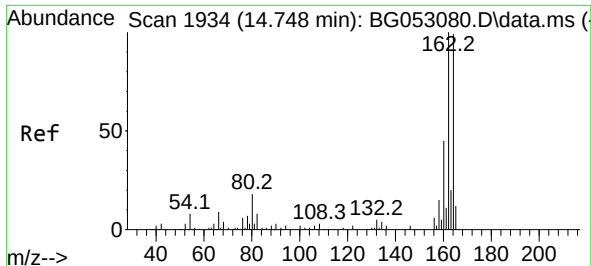
Tgt Ion:136 Resp: 145867
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 9.6 6.4 9.6#
68 6.4 5.0 7.6



#23
Nitrobenzene-d5
Concen: 60.414 ng
RT: 9.280 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion: 82 Resp: 217035
Ion Ratio Lower Upper
82 100
128 35.2 31.3 46.9
54 50.1 37.8 56.8

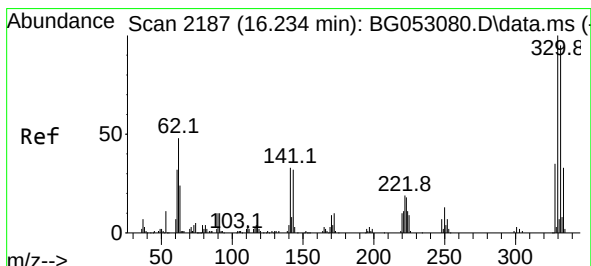
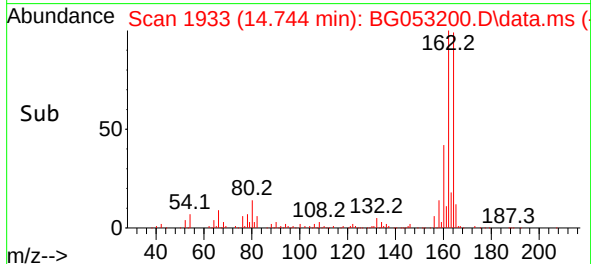
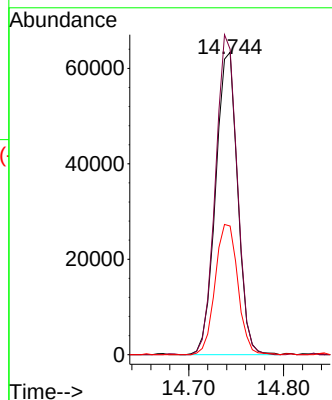
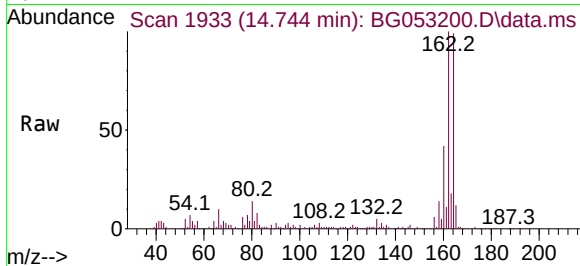




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.744 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

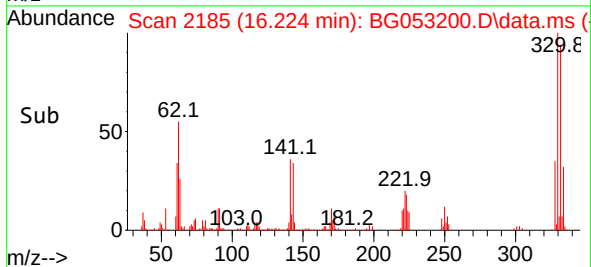
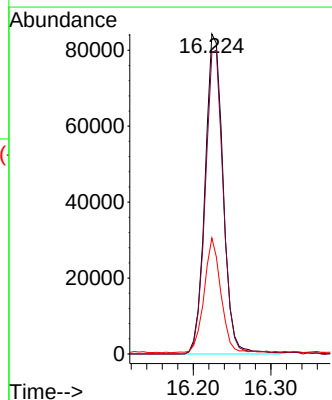
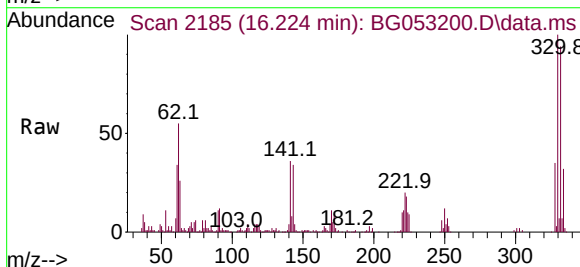
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

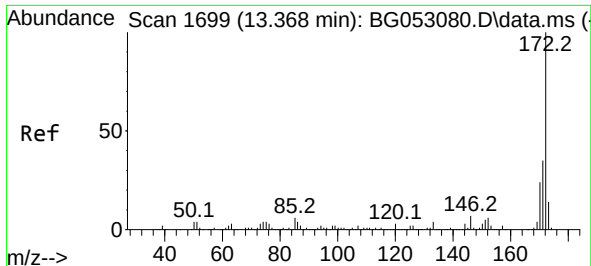
Tgt Ion:164 Resp: 102217
Ion Ratio Lower Upper
164 100
162 101.0 80.0 120.0
160 42.5 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 83.586 ng
RT: 16.224 min Scan# 2185
Delta R.T. -0.011 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion:330 Resp: 135931
Ion Ratio Lower Upper
330 100
332 95.0 75.8 113.6
141 33.4 24.6 36.8

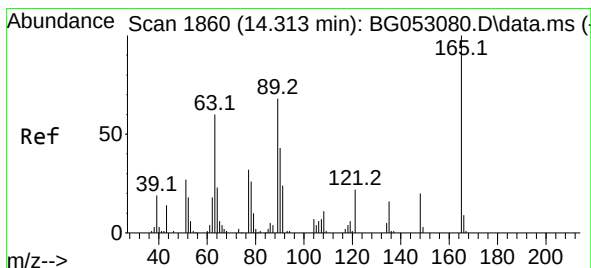
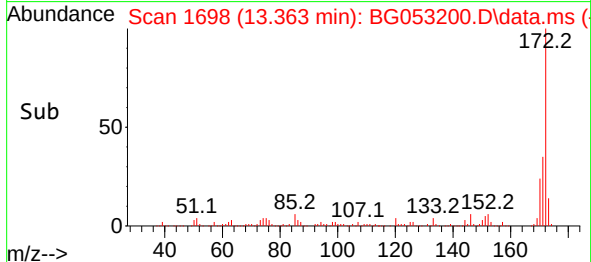
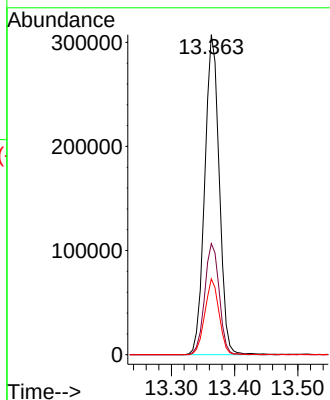
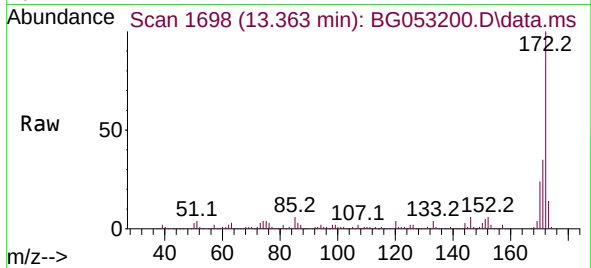




#45
2-Fluorobiphenyl
Concen: 66.112 ng
RT: 13.363 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

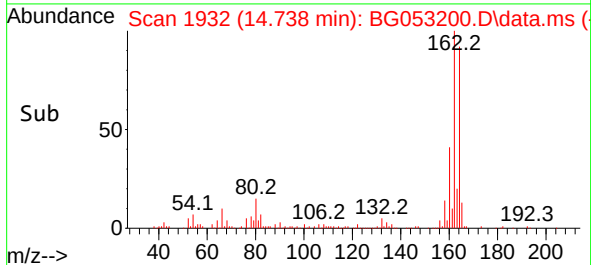
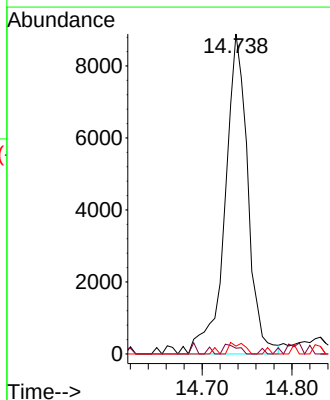
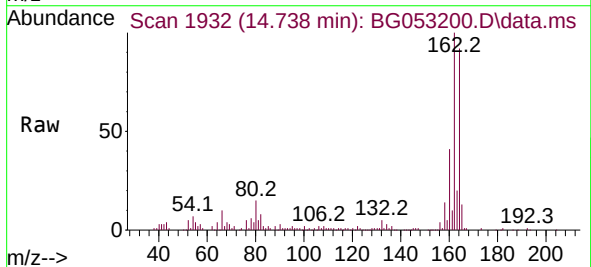
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

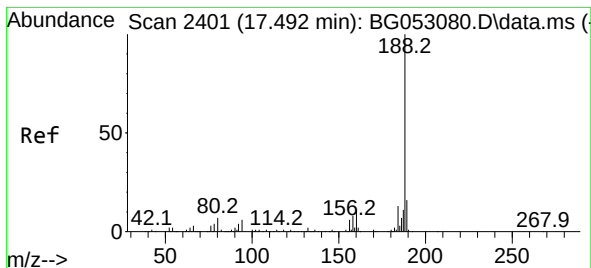
Tgt Ion:172 Resp: 490082
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.7 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 9.159 ng
RT: 14.738 min Scan# 1932
Delta R.T. 0.424 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion:165 Resp: 15622
Ion Ratio Lower Upper
165 100
63 1.8 43.7 65.5#
89 2.4 45.0 67.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.481 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG053200.D

Acq: 19 Apr 2022 17:57

Instrument :

BNA_G

ClientSampleId :

HD-01-041822

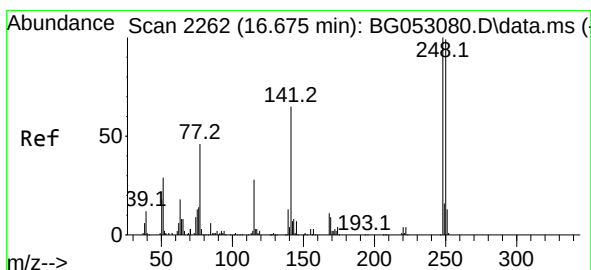
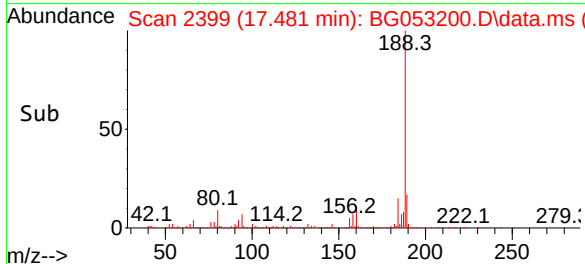
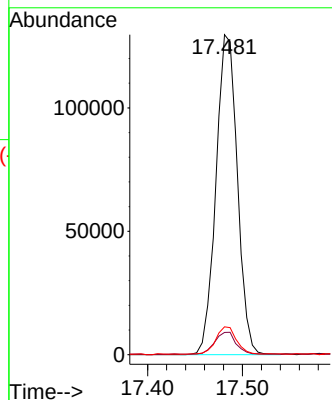
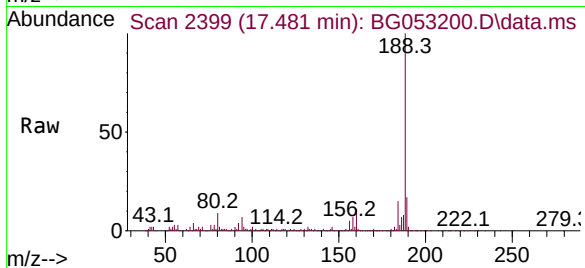
Tgt Ion:188 Resp: 203650

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

80 8.7 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.272 ng

RT: 16.230 min Scan# 2186

Delta R.T. -0.445 min

Lab File: BG053200.D

Acq: 19 Apr 2022 17:57

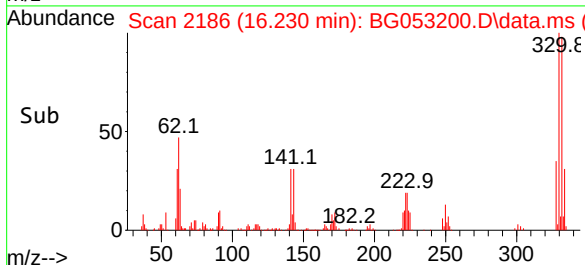
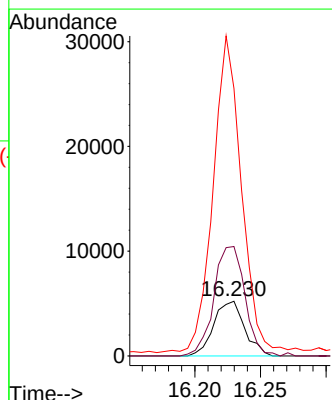
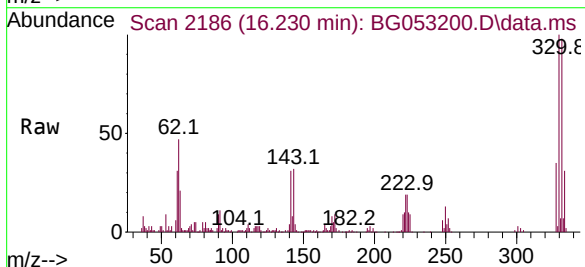
Tgt Ion:248 Resp: 8537

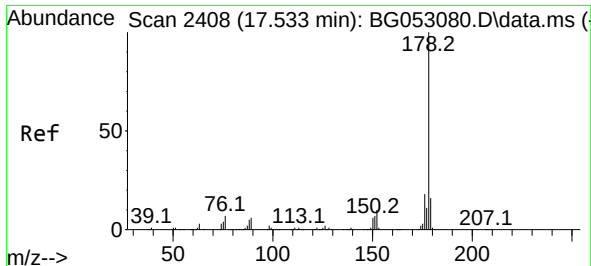
Ion Ratio Lower Upper

248 100

250 199.8 77.9 116.9#

141 488.4 49.2 73.8#

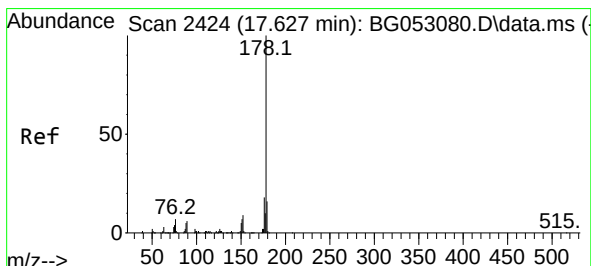
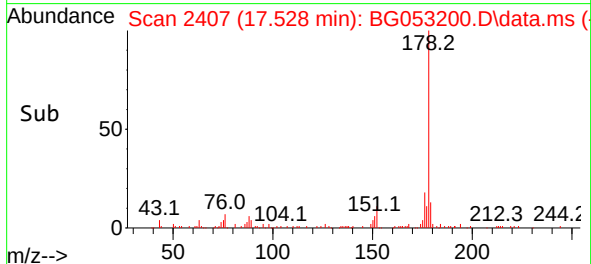
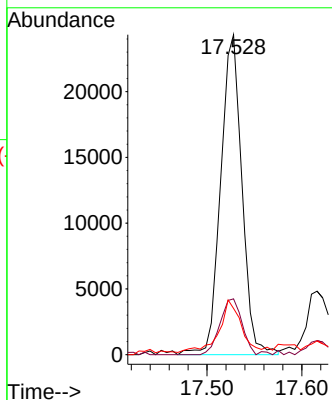
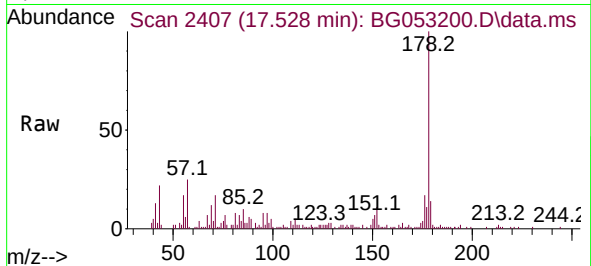




#71
Phenanthrene
Concen: 3.412 ng
RT: 17.528 min Scan# 2407
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

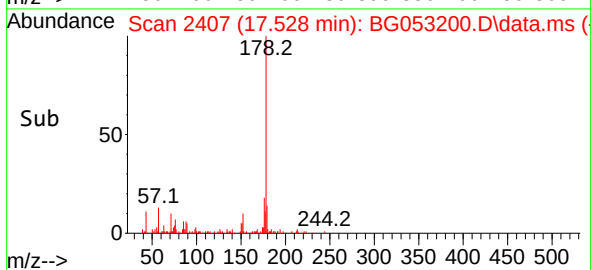
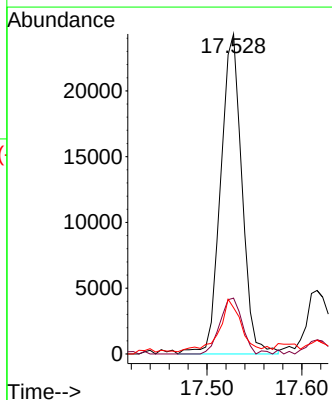
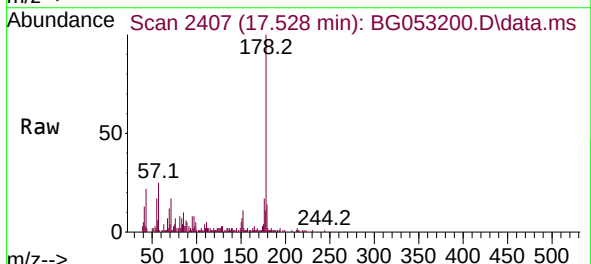
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

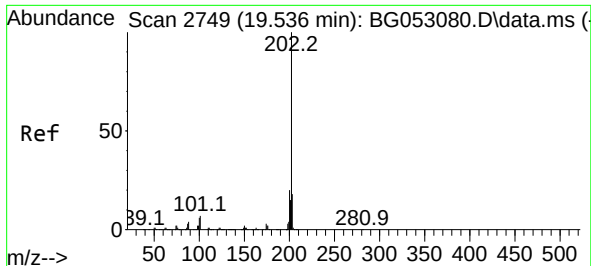
Tgt Ion:	178	Resp:	37951
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.9	23.9
179	14.5	13.4	20.2



#72
Anthracene
Concen: 3.444 ng
RT: 17.528 min Scan# 2407
Delta R.T. -0.099 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion:	178	Resp:	37951
Ion Ratio	Lower	Upper	
178	100		
176	17.5	14.7	22.1
179	14.5	13.2	19.8

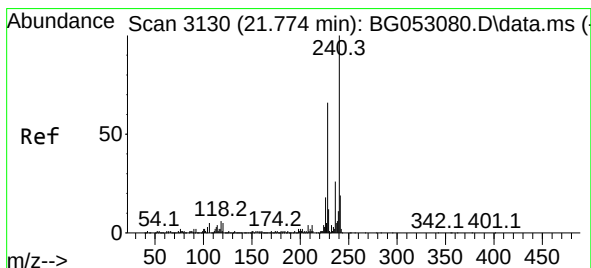
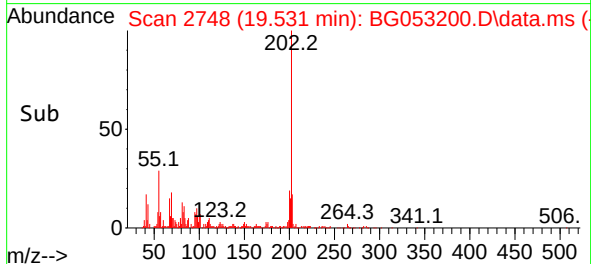
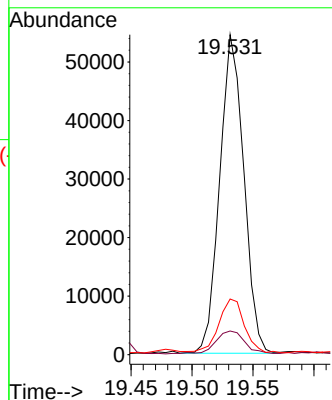
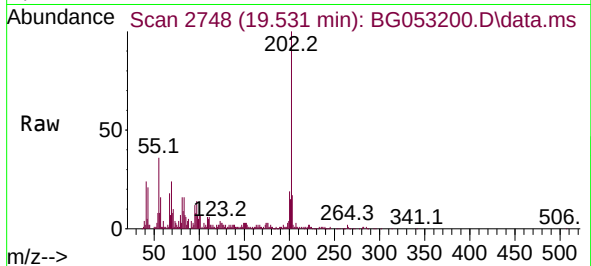




#75
Fluoranthene
Concen: 5.244 ng
RT: 19.531 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

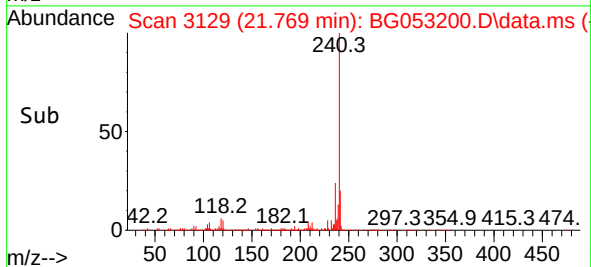
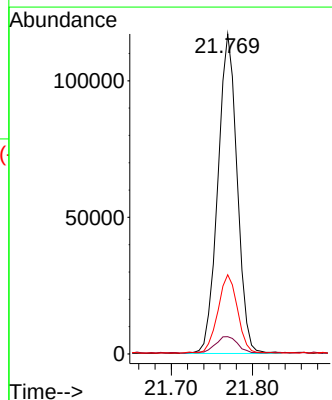
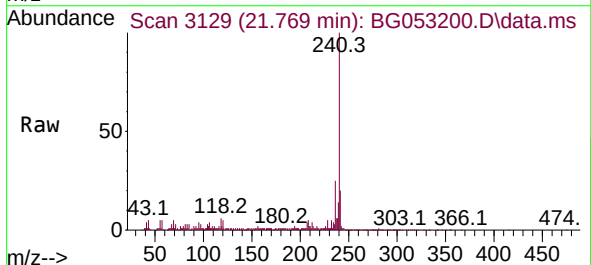
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

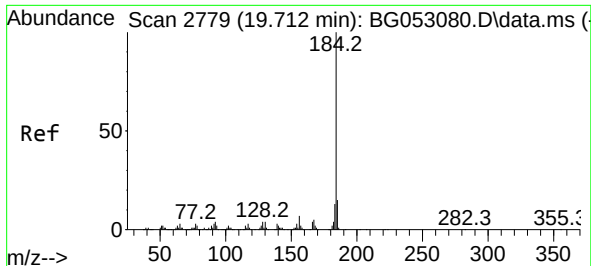
Tgt Ion:202 Resp: 74768
Ion Ratio Lower Upper
202 100
101 7.4 0.0 27.3
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.769 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion:240 Resp: 193206
Ion Ratio Lower Upper
240 100
120 5.4 5.4 8.0
236 24.8 19.8 29.6

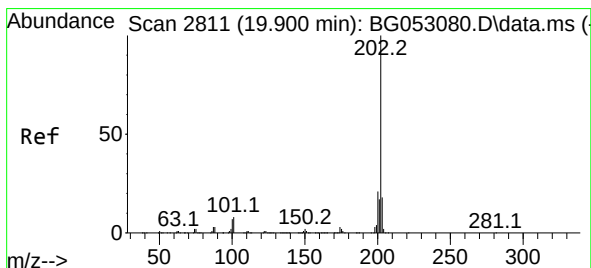
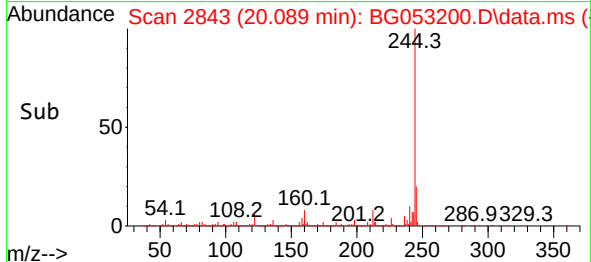
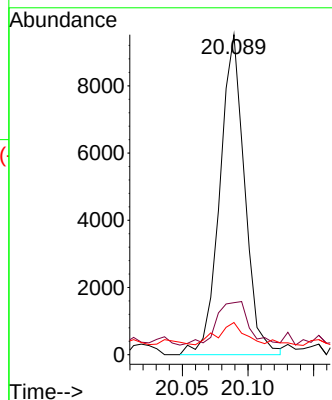
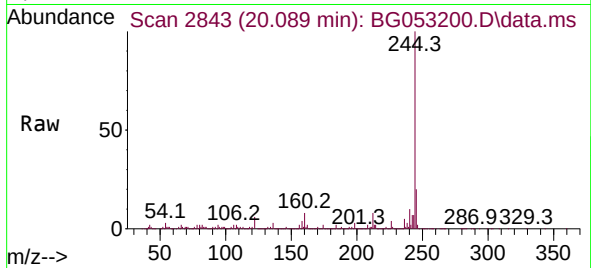




#77
Benzidine
Concen: 2.271 ng
RT: 20.089 min Scan# 21
Delta R.T. 0.377 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

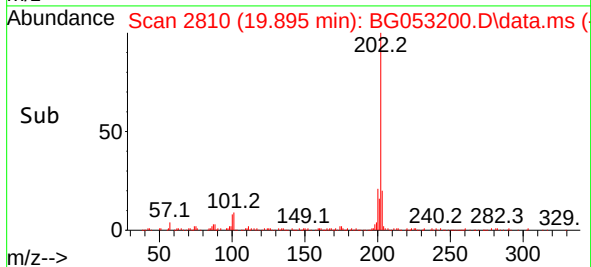
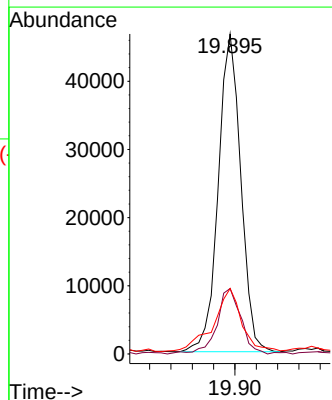
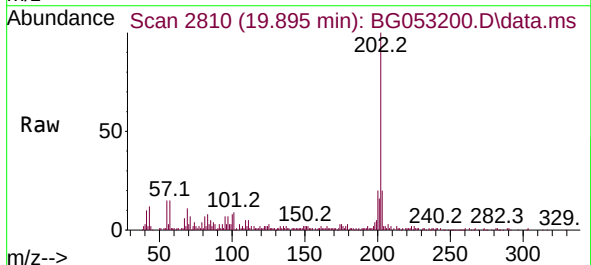
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

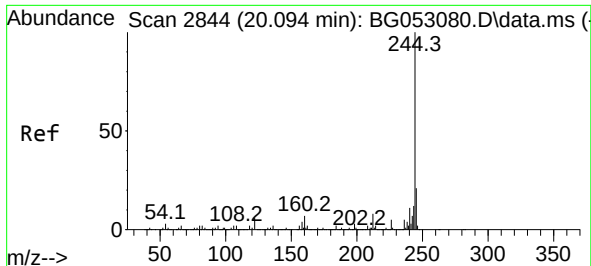
Tgt Ion:184 Resp: 12517
Ion Ratio Lower Upper
184 100
185 16.2 11.5 17.3
183 10.1 9.4 14.2



#78
Pyrene
Concen: 4.967 ng
RT: 19.895 min Scan# 2810
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion:202 Resp: 68352
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 20.4 15.0 22.6

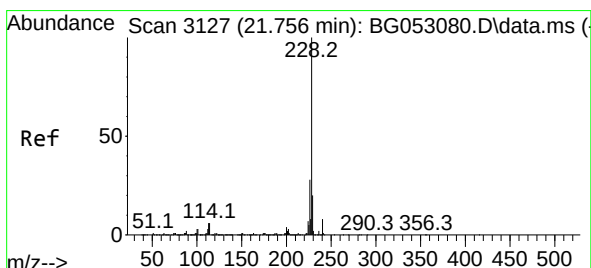
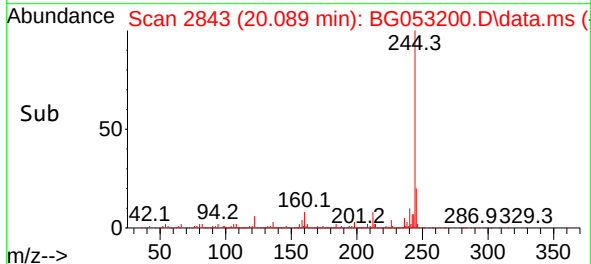
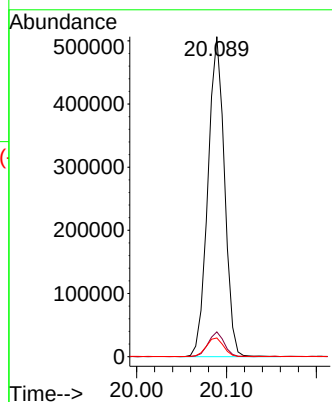
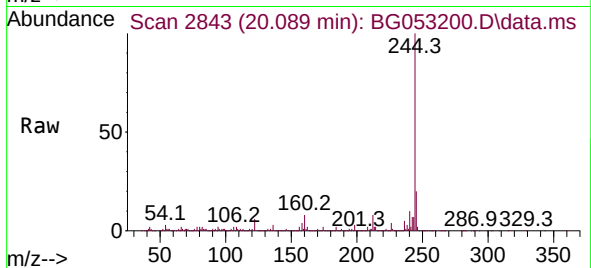




#79
 Terphenyl-d14
 Concen: 56.698 ng
 RT: 20.089 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053200.D
 Acq: 19 Apr 2022 17:57

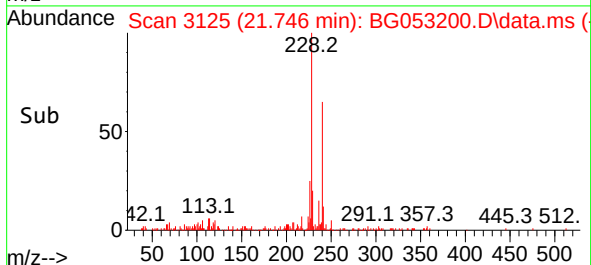
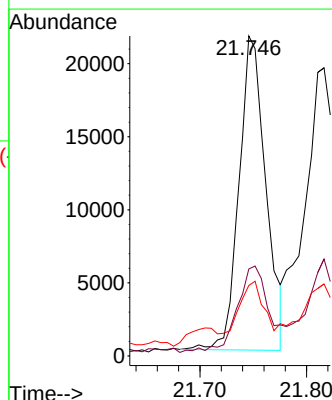
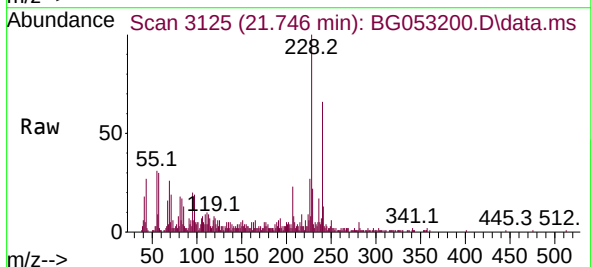
Instrument :
 BNA_G
 ClientSampleId :
 HD-01-041822

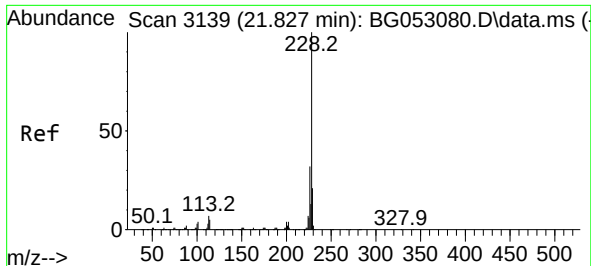
Tgt Ion:244 Resp: 648611
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.4 8.2
 122 5.9 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 2.838 ng
 RT: 21.746 min Scan# 3125
 Delta R.T. -0.011 min
 Lab File: BG053200.D
 Acq: 19 Apr 2022 17:57

Tgt Ion:228 Resp: 37492
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.4 32.0
 229 22.0 16.7 25.1

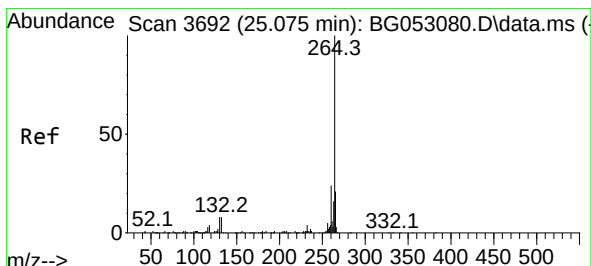
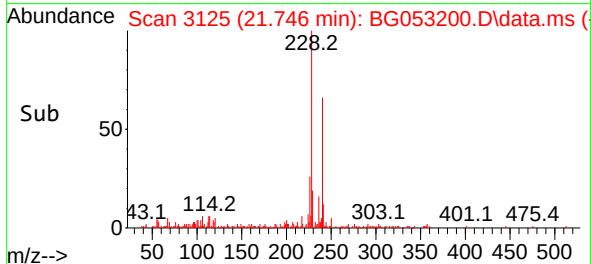
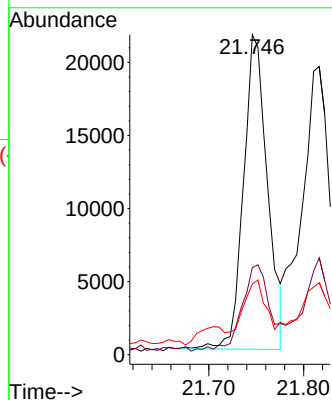
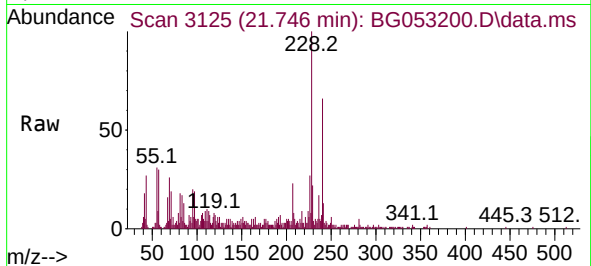




#83
Chrysene
Concen: 3.078 ng
RT: 21.746 min Scan# 3139
Delta R.T. -0.081 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

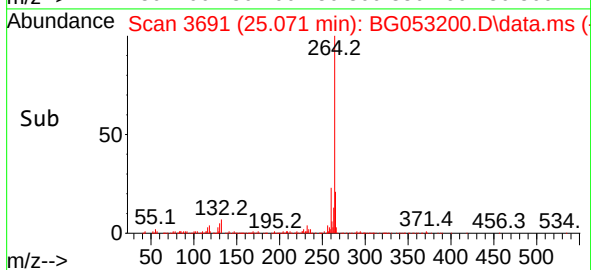
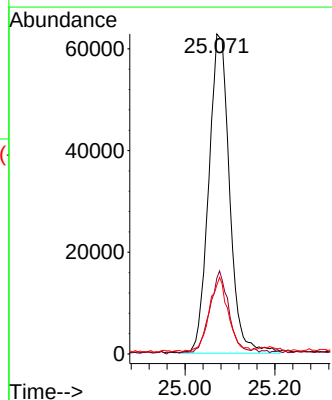
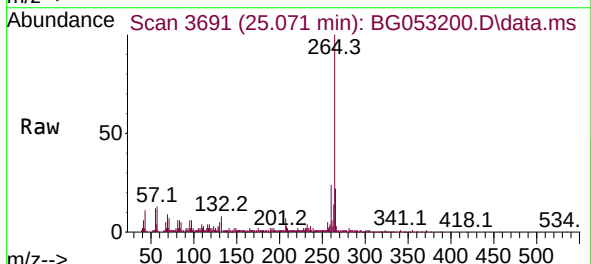
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

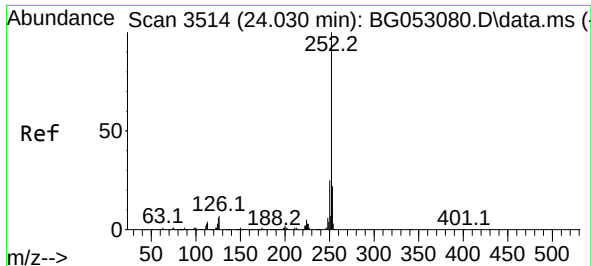
Tgt Ion:228 Resp: 37738
Ion Ratio Lower Upper
228 100
226 27.2 24.2 36.4
229 22.0 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3691
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion:264 Resp: 201988
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.2
265 21.5 15.1 22.7

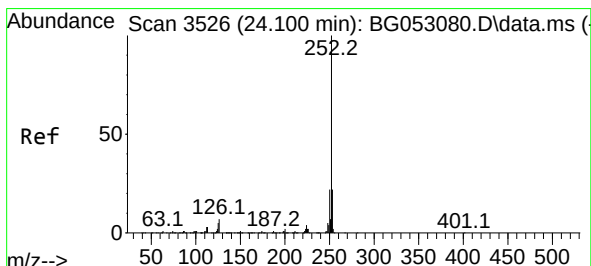
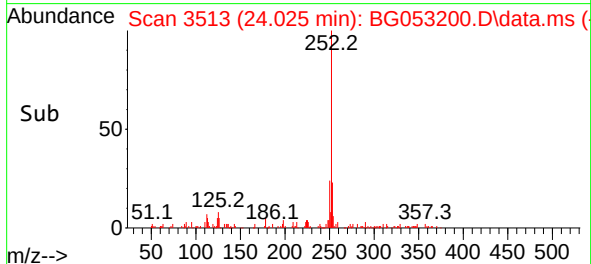
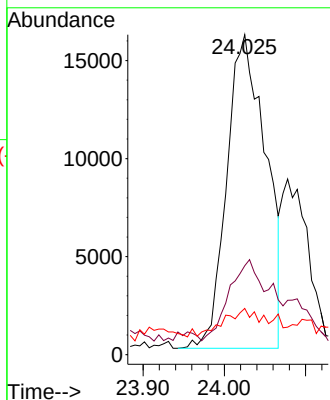
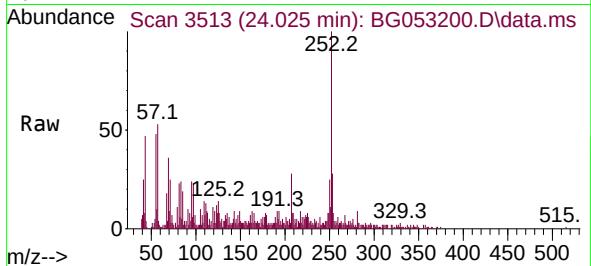




#88
Benzo(b)fluoranthene
Concen: 4.178 ng
RT: 24.025 min Scan# 3513
Delta R.T. -0.005 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

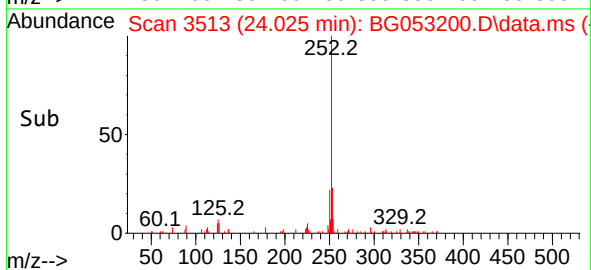
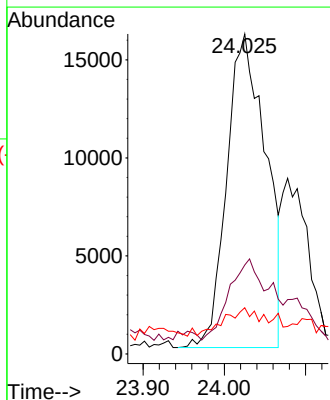
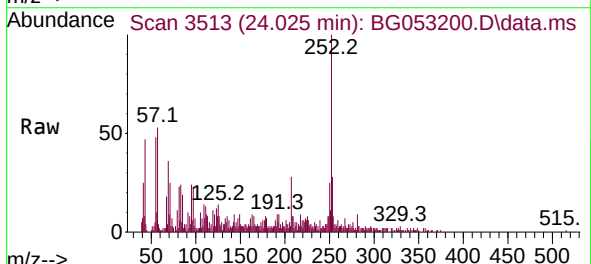
Instrument :
BNA_G
ClientSampleId :
HD-01-041822

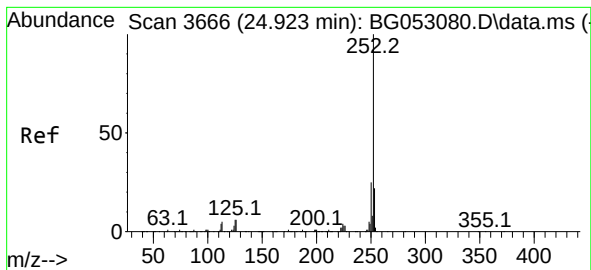
Tgt Ion:252 Resp: 53250
Ion Ratio Lower Upper
252 100
253 27.8 17.2 25.8#
125 14.5 5.2 7.8#



#89
Benzo(k)fluoranthene
Concen: 4.251 ng
RT: 24.025 min Scan# 3513
Delta R.T. -0.075 min
Lab File: BG053200.D
Acq: 19 Apr 2022 17:57

Tgt Ion:252 Resp: 53250
Ion Ratio Lower Upper
252 100
253 27.8 17.4 26.0#
125 14.5 5.0 7.4#





#90

Benzo(a)pyrene

Concen: 3.365 ng

RT: 24.918 min Scan# 30

Delta R.T. -0.005 min

Lab File: BG053200.D

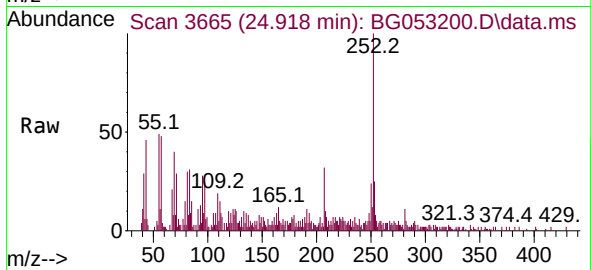
Acq: 19 Apr 2022 17:57

Instrument :

BNA_G

ClientSampleId :

HD-01-041822



Tgt Ion:252 Resp: 36529

Ion Ratio Lower Upper

252 100

253 24.6 18.4 27.6

125 10.7 5.6 8.4#

