

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
 Data File : BG052637.D
 Acq On : 10 Mar 2022 16:58
 Operator : CG/JU
 Sample : N1845-07 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7

Quant Time: Mar 11 03:45:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 06:37:54 2022
 Response via : Initial Calibration

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

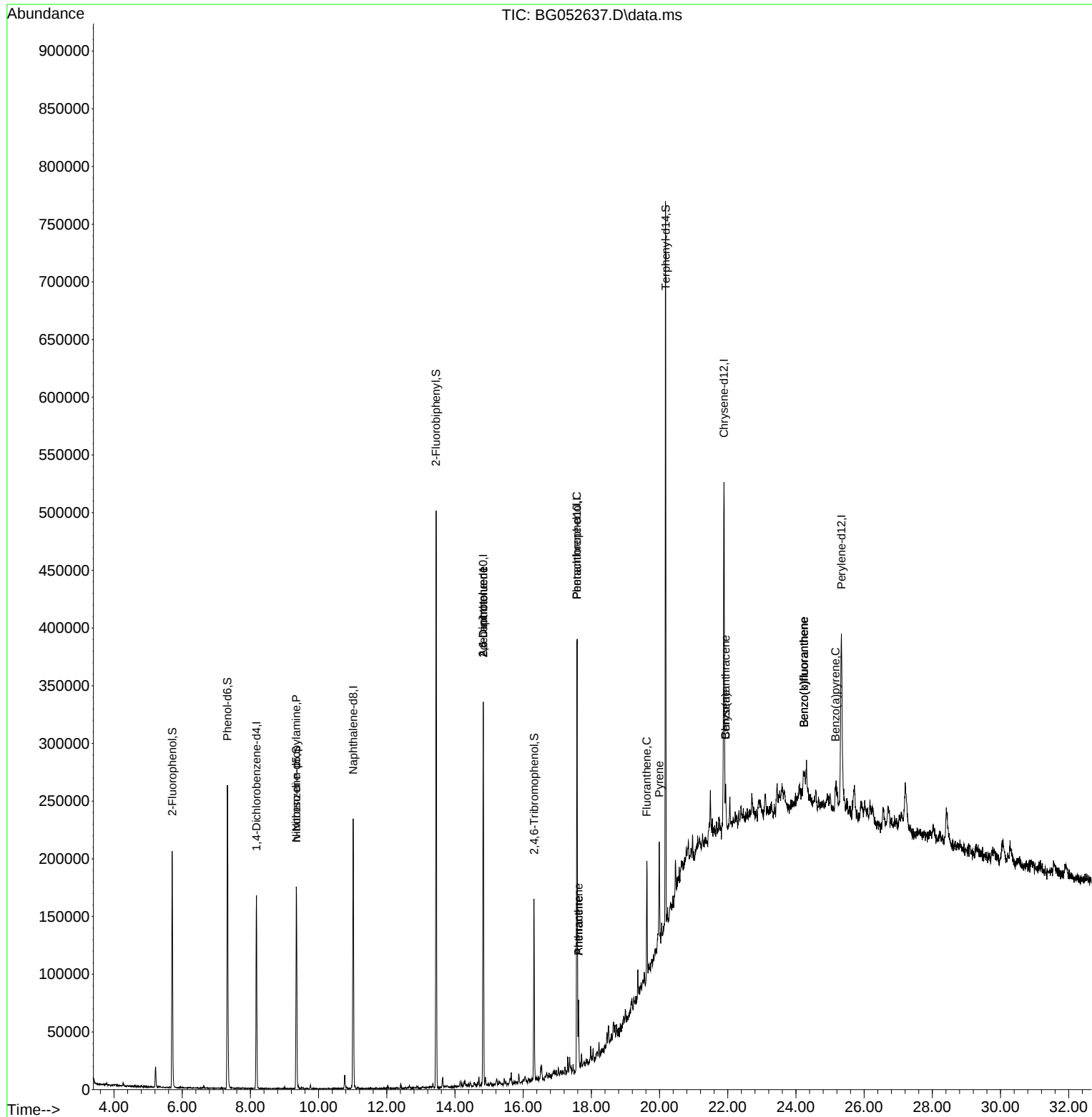
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.177	152	48654	20.000	ng	0.00
21) Naphthalene-d8	11.015	136	195070	20.000	ng	0.00
39) Acenaphthene-d10	14.827	164	122931	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	242056	20.000	ng	0.00
76) Chrysene-d12	21.888	240	203817	20.000	ng	0.00
86) Perylene-d12	25.331	264	180667	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.710	112	100064	35.529	ng	0.00
7) Phenol-d6	7.325	99	163262	40.053	ng	0.00
23) Nitrobenzene-d5	9.346	82	116240	27.013	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	34653	19.876	ng	0.00
45) 2-Fluorobiphenyl	13.447	172	267332	29.352	ng	0.00
79) Terphenyl-d14	20.179	244	334287	29.023	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.346	70	16056	5.821	ng	# 71
51) 2,6-Dinitrotoluene	14.827	165	17194	8.424	ng	# 25
57) 2,4-Dinitrotoluene	14.827	165	17194	5.986	ng	# 23
70) Pentachlorophenol	17.576	266	64	5.786	ng	# 23
71) Phenanthrene	17.623	178	37789	2.976	ng	99
72) Anthracene	17.623	178	37789	3.039	ng	97
75) Fluoranthene	19.626	202	61856	3.901	ng	98
78) Pyrene	19.991	202	55914	4.104	ng	98
81) Benzo(a)anthracene	21.935	228	30864	2.260	ng	92
83) Chrysene	21.935	228	30864	2.417	ng	# 96
88) Benzo(b)fluoranthene	24.232	252	30775	2.759	ng	# 57
89) Benzo(k)fluoranthene	24.232	252	30775	2.743	ng	# 58
90) Benzo(a)pyrene	25.160	252	19377	2.053	ng	# 65

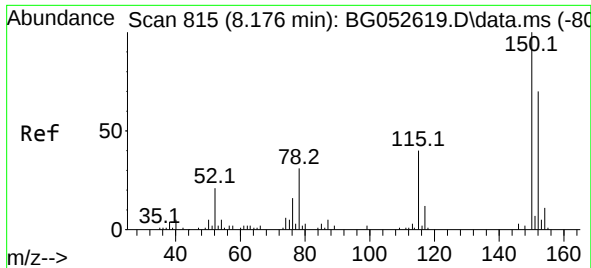
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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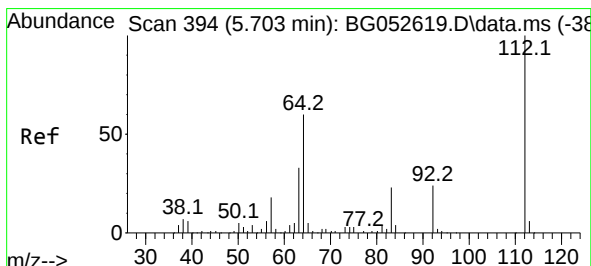
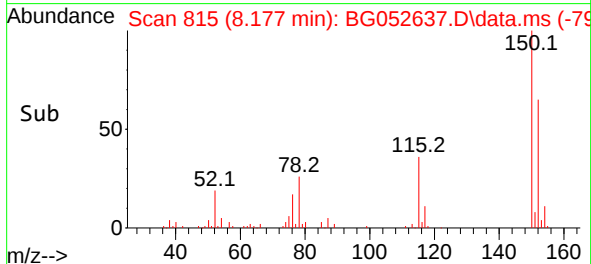
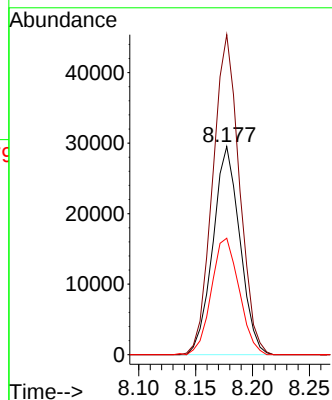
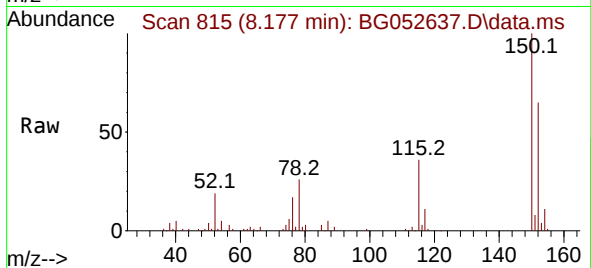




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.177 min Scan# 815
Delta R.T. 0.001 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

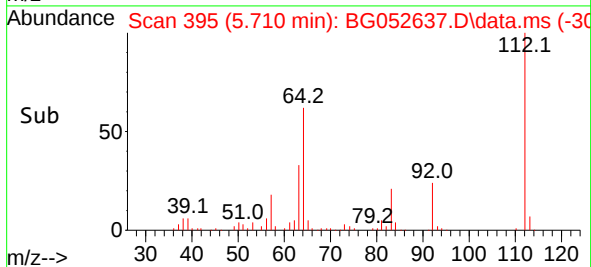
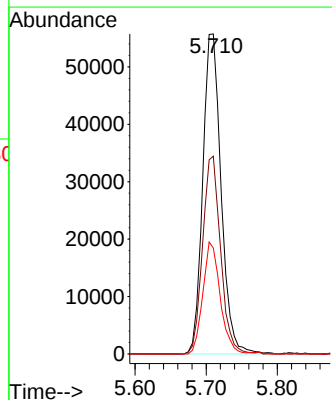
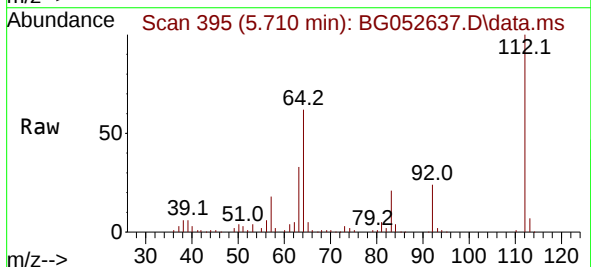
Instrument :
BNA_G
ClientSampleId :
SAMPLE-7

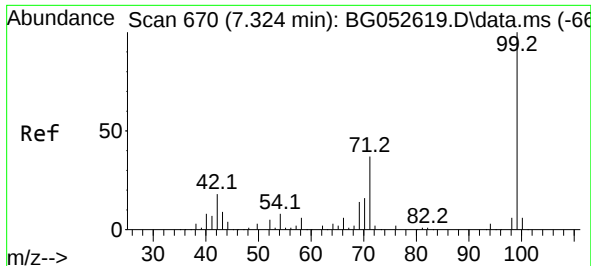
Tgt Ion:152 Resp: 48654
Ion Ratio Lower Upper
152 100
150 153.7 114.6 172.0
115 55.9 45.9 68.9



#5
2-Fluorophenol
Concen: 35.529 ng
RT: 5.710 min Scan# 395
Delta R.T. 0.007 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

Tgt Ion:112 Resp: 100064
Ion Ratio Lower Upper
112 100
64 61.8 48.0 72.0
63 33.1 26.5 39.7

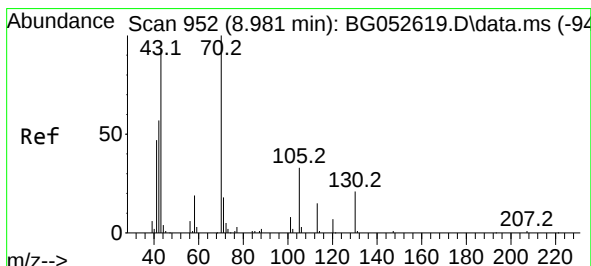
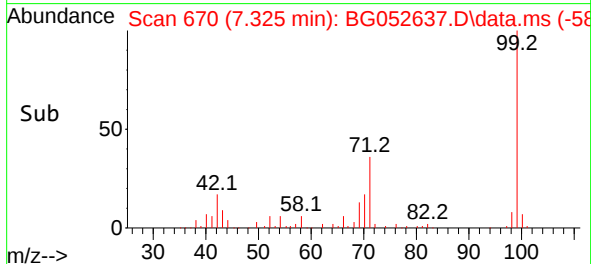
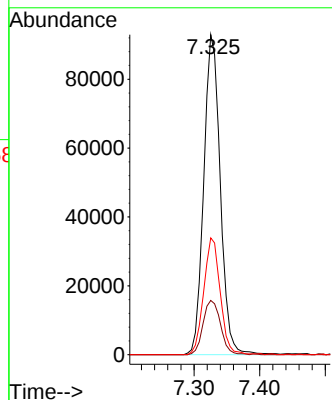
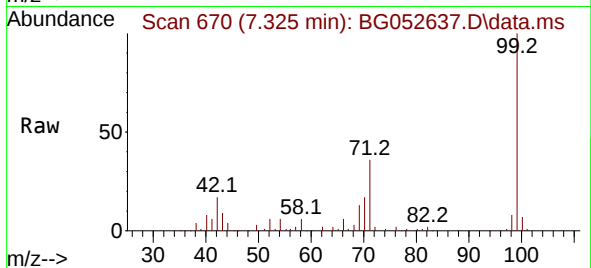




#7
Phenol-d6
Concen: 40.053 ng
RT: 7.325 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

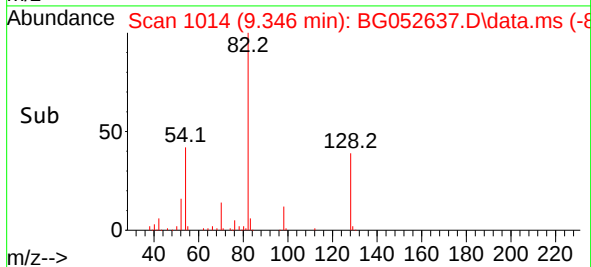
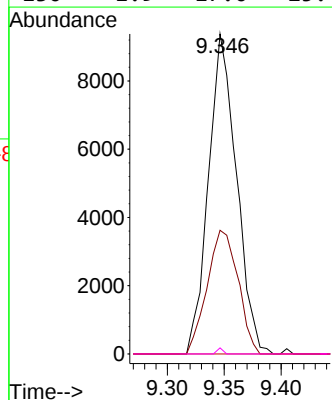
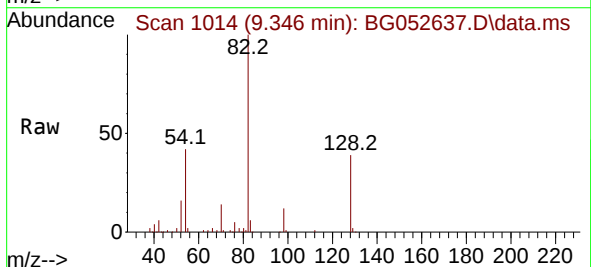
Instrument :
BNA_G
ClientSampleId :
SAMPLE-7

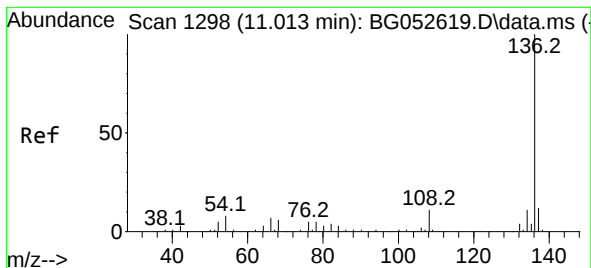
Tgt Ion: 99 Resp: 163262
Ion Ratio Lower Upper
99 100
42 17.0 14.7 22.1
71 36.5 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.821 ng
RT: 9.346 min Scan# 1014
Delta R.T. 0.365 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

Tgt Ion: 70 Resp: 16056
Ion Ratio Lower Upper
70 100
42 38.6 46.0 69.0#
101 0.0 6.2 9.4#
130 1.9 17.0 25.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.015 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG052637.D

Acq: 10 Mar 2022 16:58

Instrument :

BNA_G

ClientSampleId :

SAMPLE-7

Tgt Ion:136 Resp: 195070

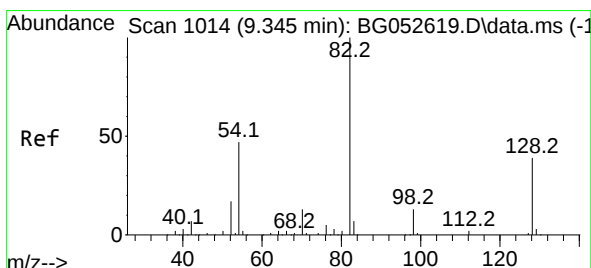
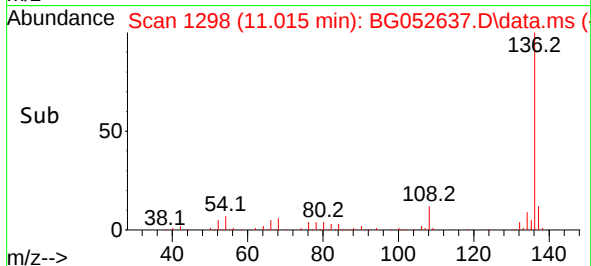
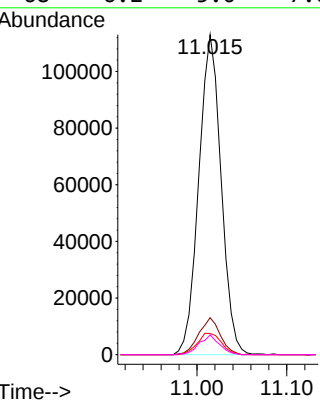
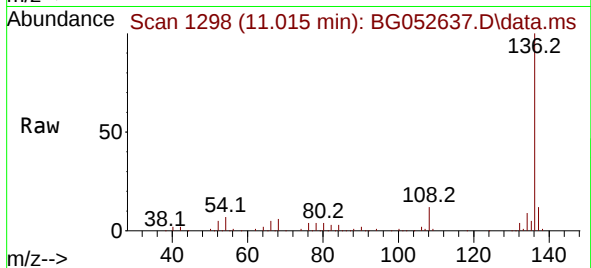
Ion Ratio Lower Upper

136 100

137 11.5 9.4 14.2

54 6.6 6.4 9.6

68 6.2 5.0 7.6



#23

Nitrobenzene-d5

Concen: 27.013 ng

RT: 9.346 min Scan# 1014

Delta R.T. 0.001 min

Lab File: BG052637.D

Acq: 10 Mar 2022 16:58

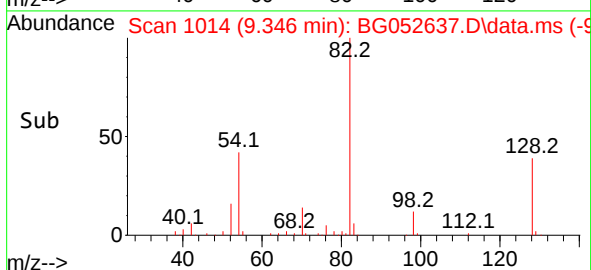
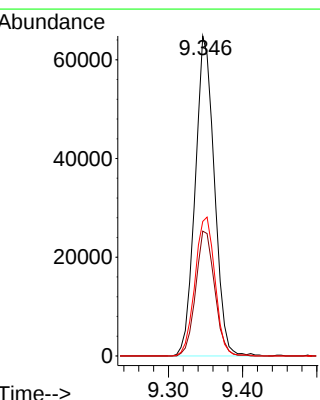
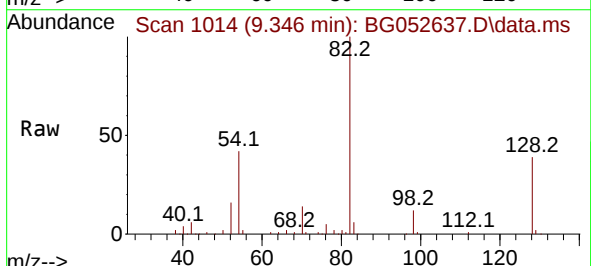
Tgt Ion: 82 Resp: 116240

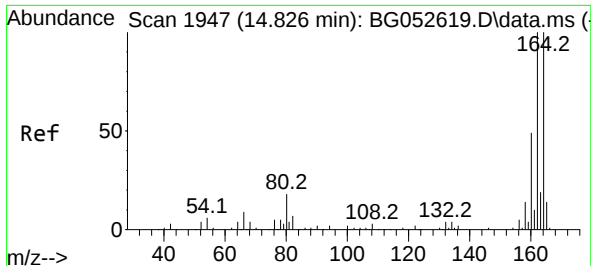
Ion Ratio Lower Upper

82 100

128 39.0 31.3 46.9

54 42.1 37.8 56.8

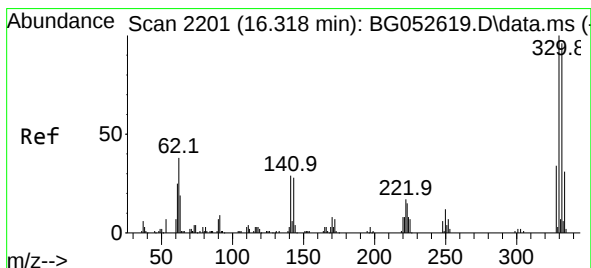
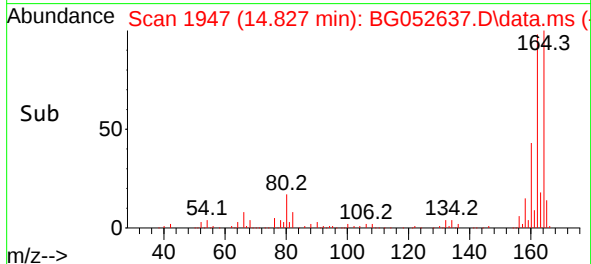
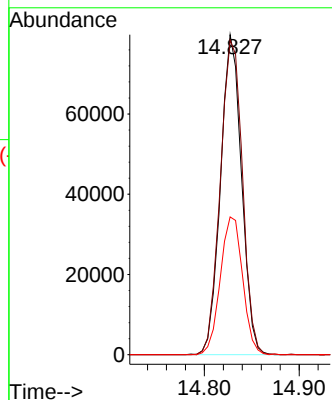
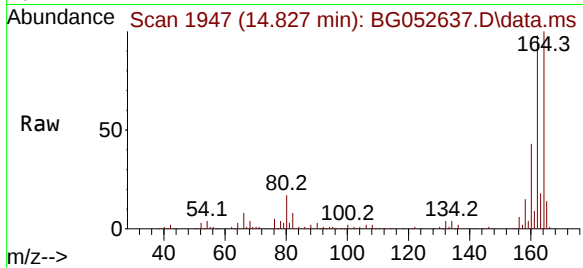




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.827 min Scan# 1947
Delta R.T. 0.001 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

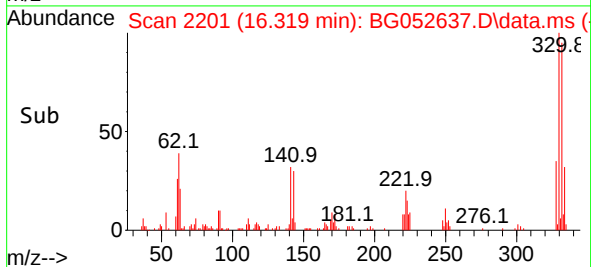
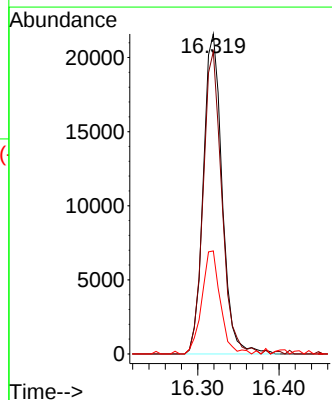
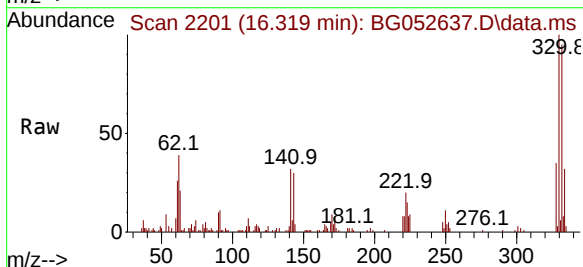
Instrument :
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ClientSampleId :
SAMPLE-7

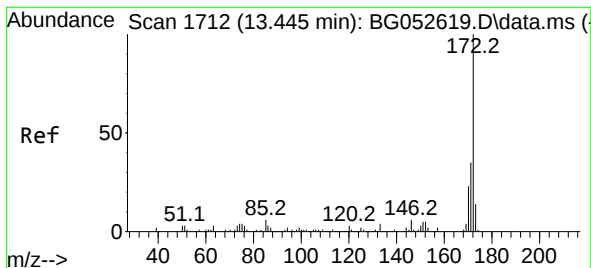
Tgt Ion:164 Resp: 122931
Ion Ratio Lower Upper
164 100
162 98.3 80.0 120.0
160 43.1 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 19.876 ng
RT: 16.319 min Scan# 2201
Delta R.T. 0.001 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

Tgt Ion:330 Resp: 34653
Ion Ratio Lower Upper
330 100
332 93.2 75.8 113.6
141 31.7 24.6 36.8

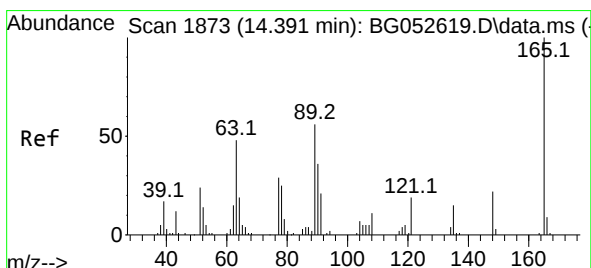
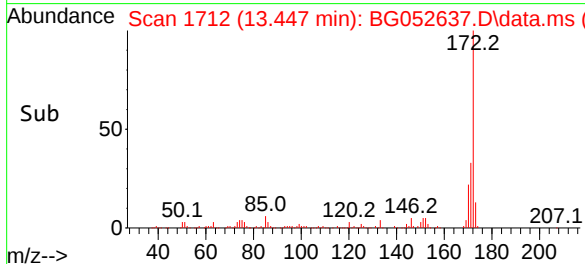
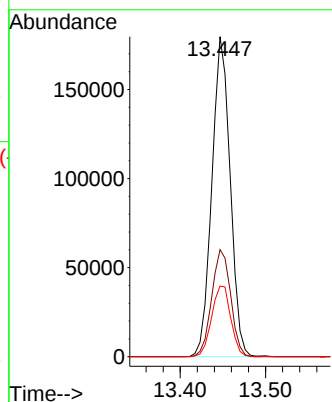
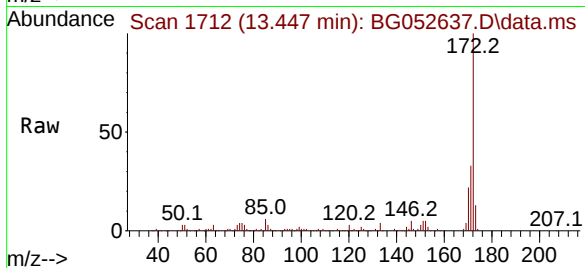




#45
2-Fluorobiphenyl
Concen: 29.352 ng
RT: 13.447 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

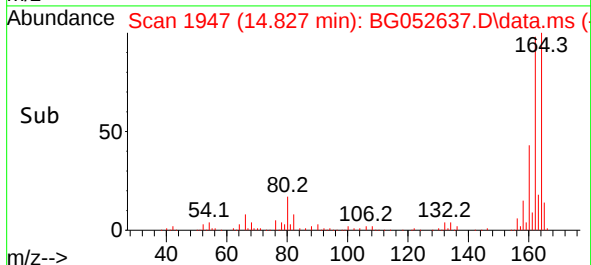
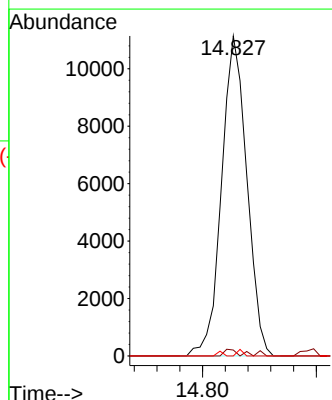
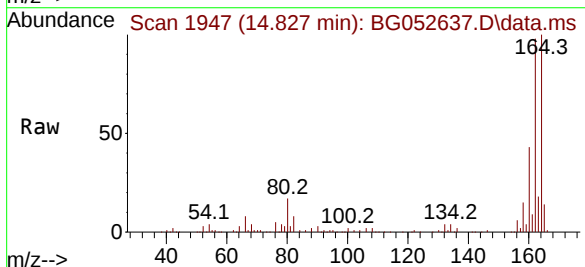
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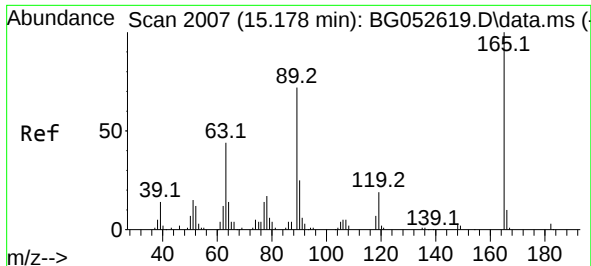
Tgt Ion:172 Resp: 267332
Ion Ratio Lower Upper
172 100
171 33.4 28.3 42.5
170 22.1 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 8.424 ng
RT: 14.827 min Scan# 1947
Delta R.T. 0.436 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

Tgt Ion:165 Resp: 17194
Ion Ratio Lower Upper
165 100
63 1.9 43.7 65.5#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.986 ng

RT: 14.827 min Scan# 1947

Delta R.T. -0.351 min

Lab File: BG052637.D

Acq: 10 Mar 2022 16:58

Instrument :

BNA_G

ClientSampleId :

SAMPLE-7

Tgt Ion:165 Resp: 17194

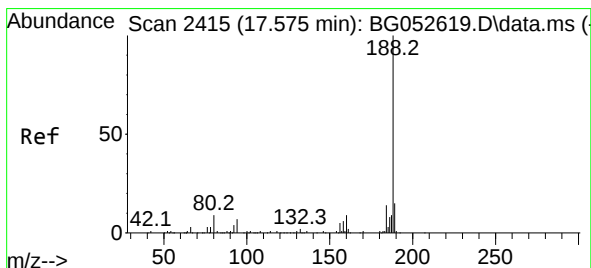
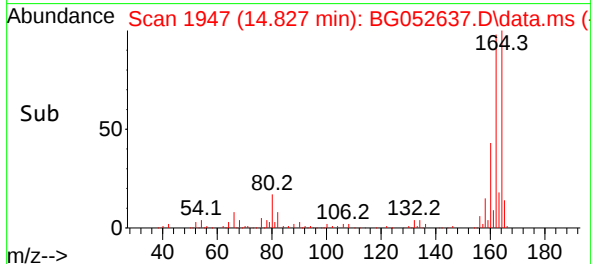
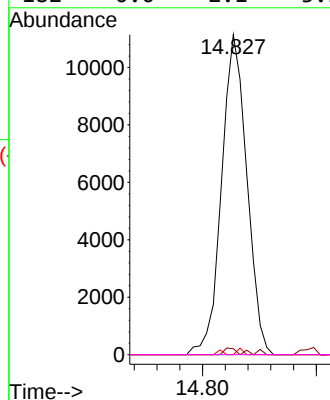
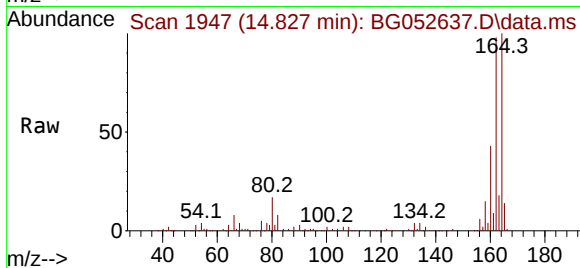
Ion Ratio Lower Upper

165 100

63 1.9 34.8 52.2#

89 0.0 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.576 min Scan# 2415

Delta R.T. 0.001 min

Lab File: BG052637.D

Acq: 10 Mar 2022 16:58

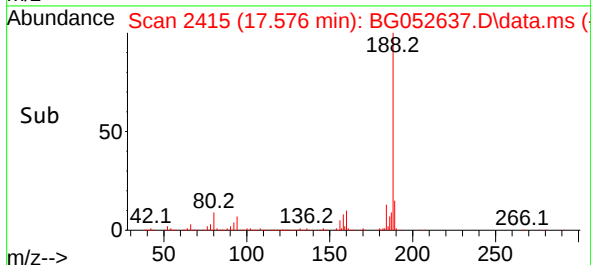
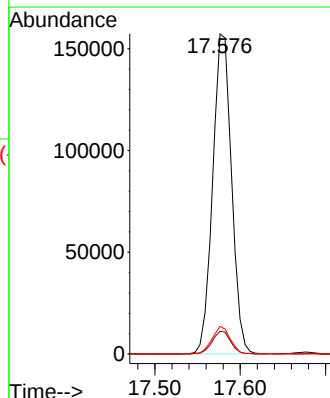
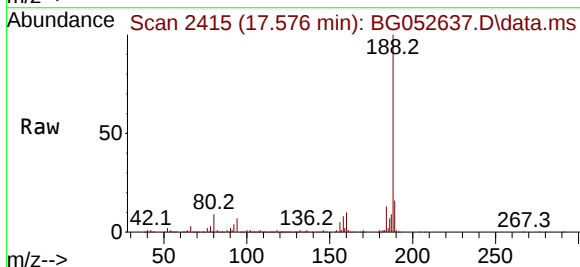
Tgt Ion:188 Resp: 242056

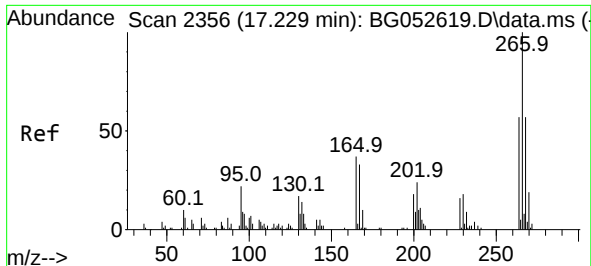
Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 8.6 7.2 10.8

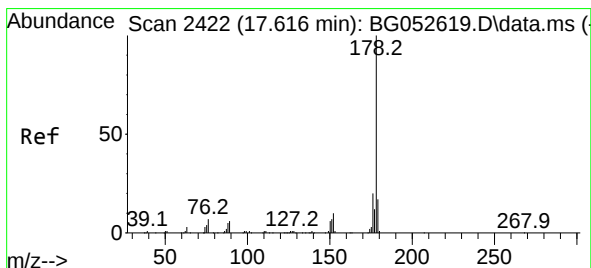
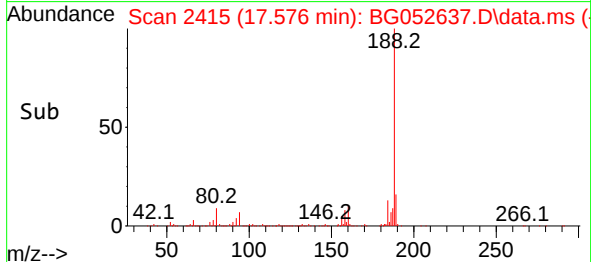
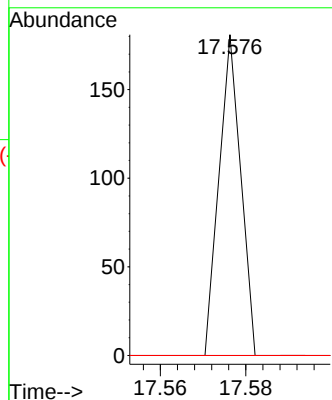
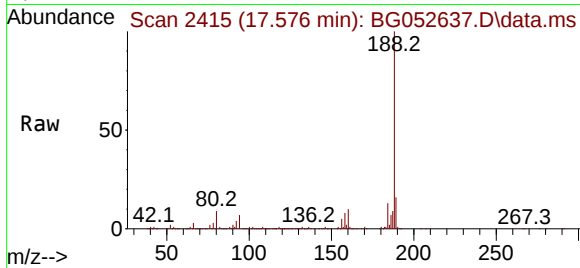




#70
 Pentachlorophenol
 Concen: 5.786 ng
 RT: 17.576 min Scan# 2415
 Delta R.T. 0.347 min
 Lab File: BG052637.D
 Acq: 10 Mar 2022 16:58

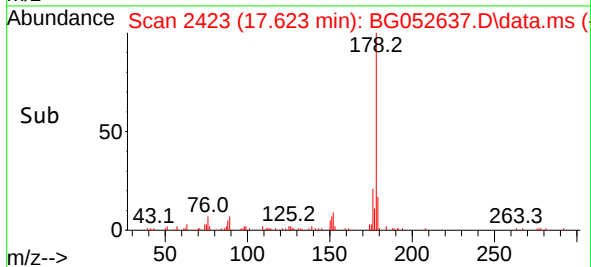
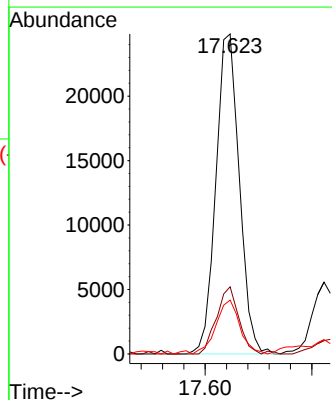
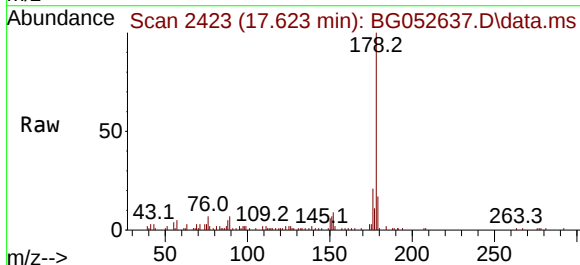
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7

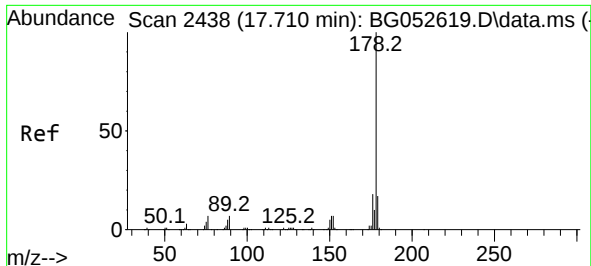
Tgt Ion:266 Resp: 64
 Ion Ratio Lower Upper
 266 100
 268 0.0 45.9 68.9#
 264 0.0 45.3 67.9#



#71
 Phenanthrene
 Concen: 2.976 ng
 RT: 17.623 min Scan# 2423
 Delta R.T. 0.007 min
 Lab File: BG052637.D
 Acq: 10 Mar 2022 16:58

Tgt Ion:178 Resp: 37789
 Ion Ratio Lower Upper
 178 100
 176 21.0 15.9 23.9
 179 16.8 13.4 20.2

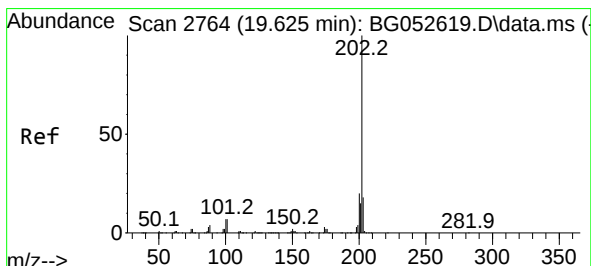
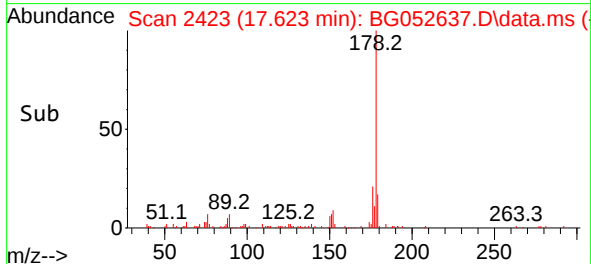
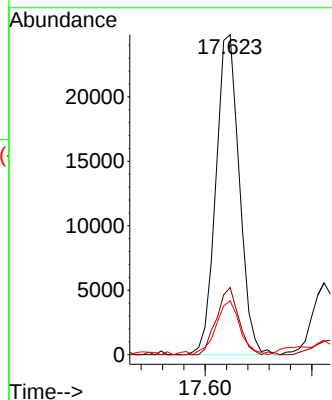
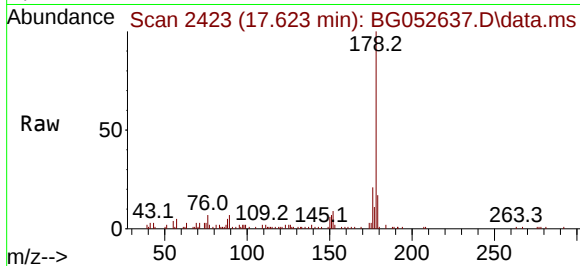




#72
 Anthracene
 Concen: 3.039 ng
 RT: 17.623 min Scan# 2438
 Delta R.T. -0.087 min
 Lab File: BG052637.D
 Acq: 10 Mar 2022 16:58

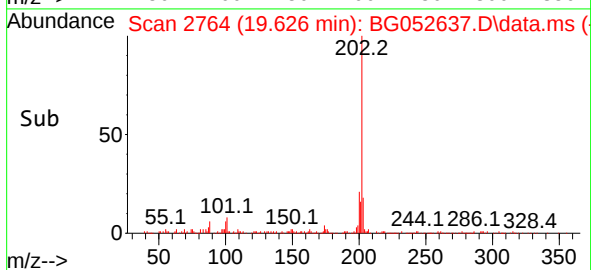
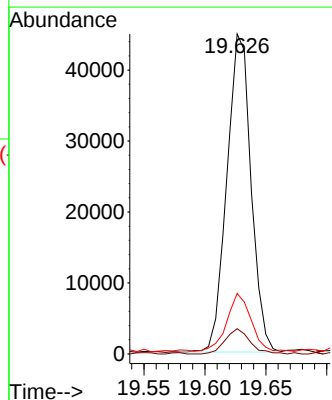
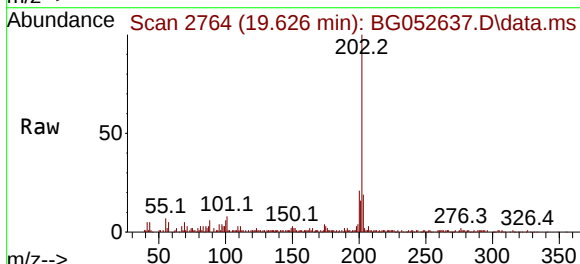
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7

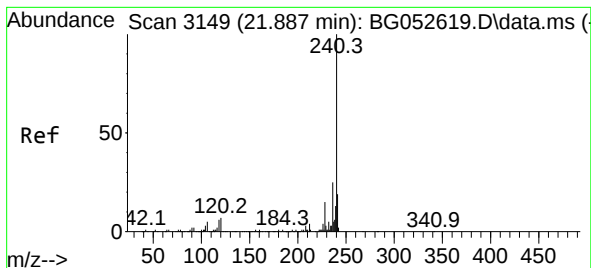
Tgt Ion:178 Resp: 37789
 Ion Ratio Lower Upper
 178 100
 176 21.0 14.7 22.1
 179 16.8 13.2 19.8



#75
 Fluoranthene
 Concen: 3.901 ng
 RT: 19.626 min Scan# 2764
 Delta R.T. 0.001 min
 Lab File: BG052637.D
 Acq: 10 Mar 2022 16:58

Tgt Ion:202 Resp: 61856
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 27.3
 203 18.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.888 min Scan# 3149

Delta R.T. 0.001 min

Lab File: BG052637.D

Acq: 10 Mar 2022 16:58

Instrument :

BNA_G

ClientSampleId :

SAMPLE-7

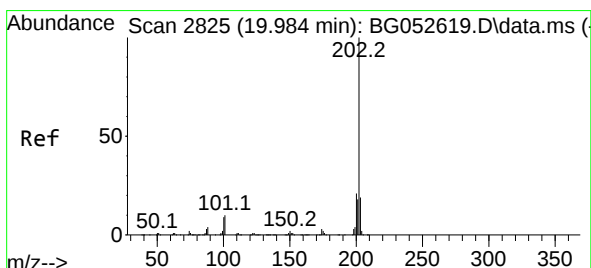
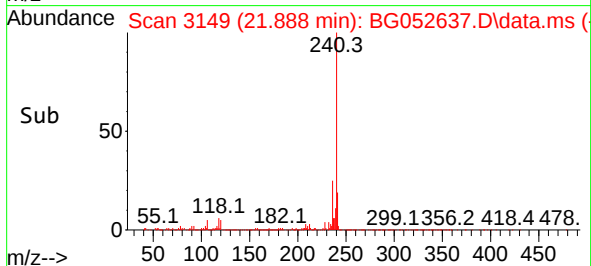
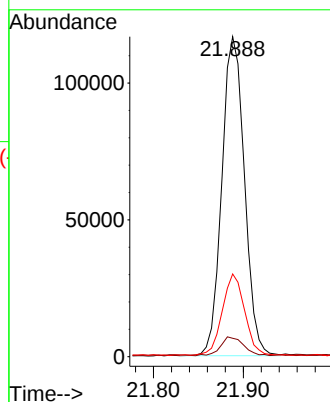
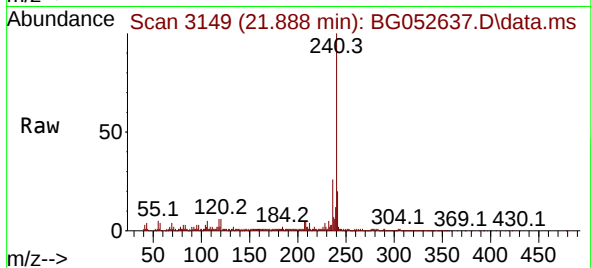
Tgt Ion:240 Resp: 203817

Ion Ratio Lower Upper

240 100

120 5.7 5.4 8.0

236 25.8 19.8 29.6



#78

Pyrene

Concen: 4.104 ng

RT: 19.991 min Scan# 2826

Delta R.T. 0.007 min

Lab File: BG052637.D

Acq: 10 Mar 2022 16:58

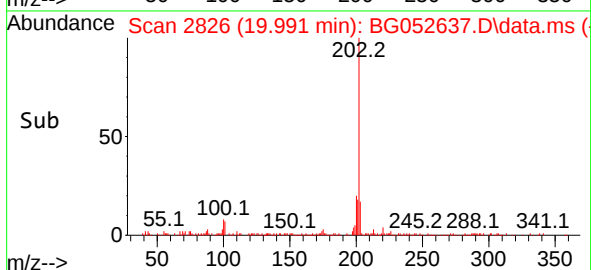
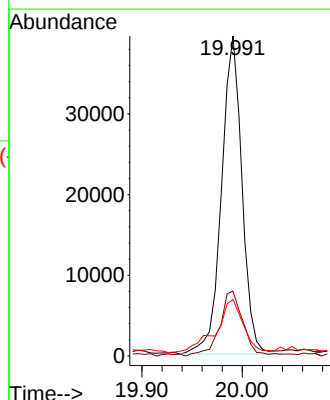
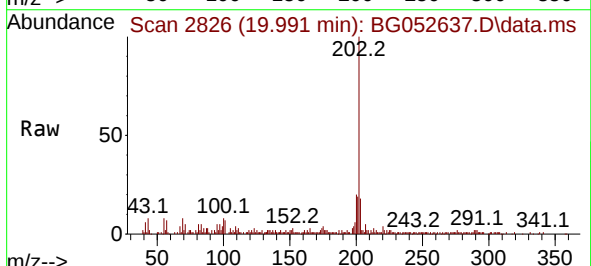
Tgt Ion:202 Resp: 55914

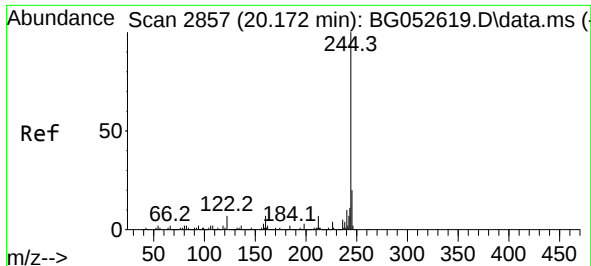
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

203 17.7 15.0 22.6

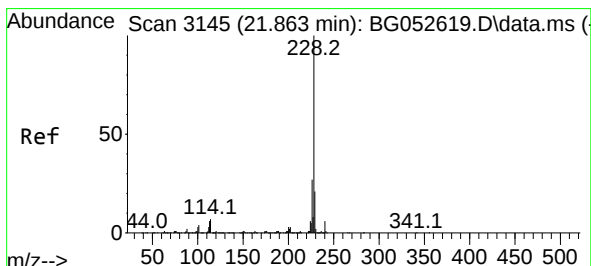
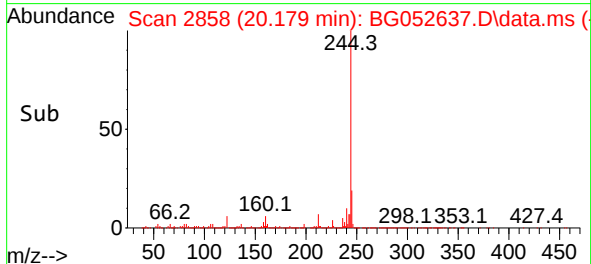
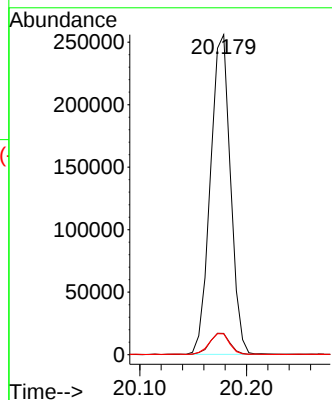
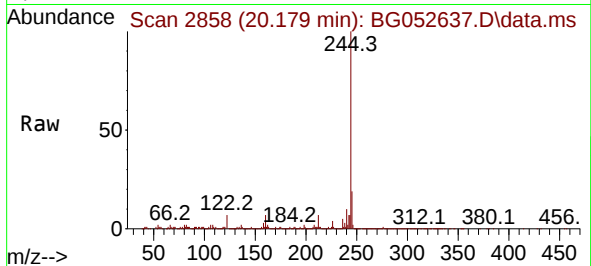




#79
 Terphenyl-d14
 Concen: 29.023 ng
 RT: 20.179 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG052637.D
 Acq: 10 Mar 2022 16:58

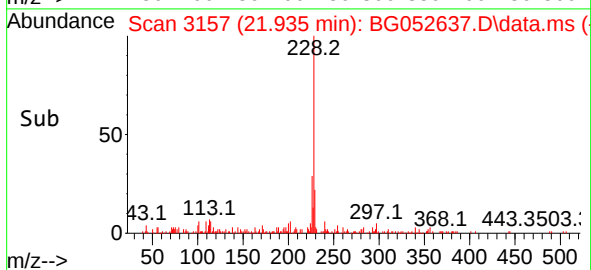
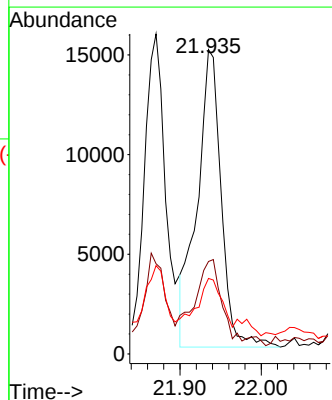
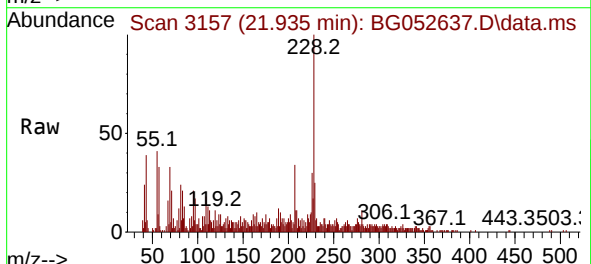
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7

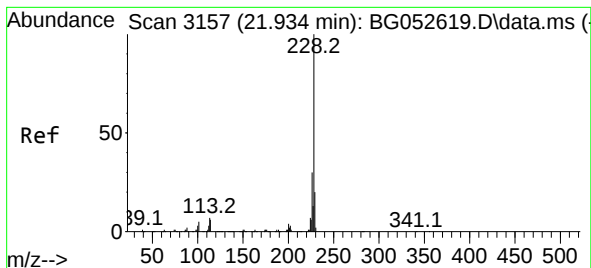
Tgt Ion:244 Resp: 334287
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 6.5 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 2.260 ng
 RT: 21.935 min Scan# 3157
 Delta R.T. 0.072 min
 Lab File: BG052637.D
 Acq: 10 Mar 2022 16:58

Tgt Ion:228 Resp: 30864
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.4 32.0
 229 24.8 16.7 25.1





#83

Chrysene

Concen: 2.417 ng

RT: 21.935 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG052637.D

Acq: 10 Mar 2022 16:58

Instrument :

BNA_G

ClientSampleId :

SAMPLE-7

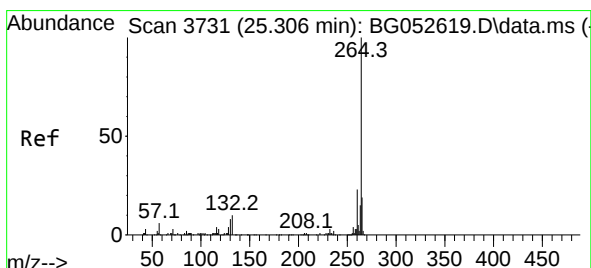
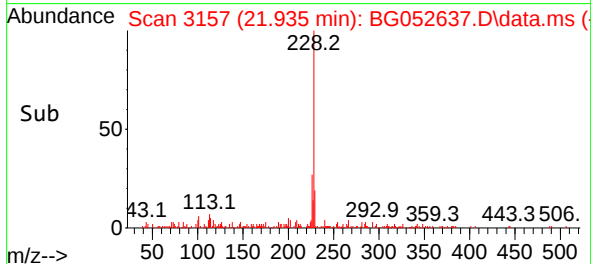
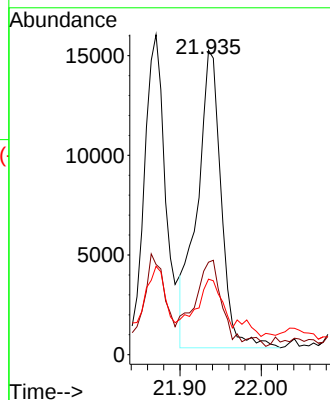
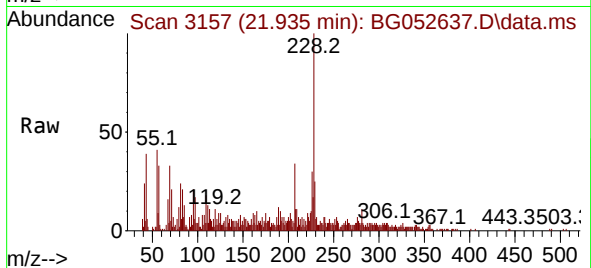
Tgt Ion:228 Resp: 30864

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.4

229 24.8 16.3 24.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.331 min Scan# 3735

Delta R.T. 0.025 min

Lab File: BG052637.D

Acq: 10 Mar 2022 16:58

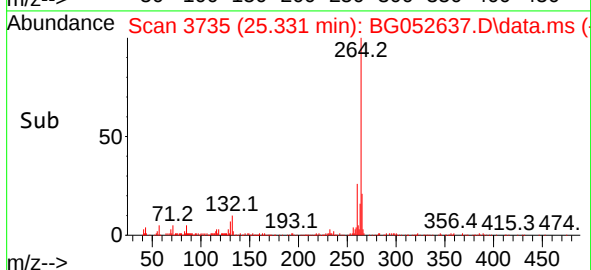
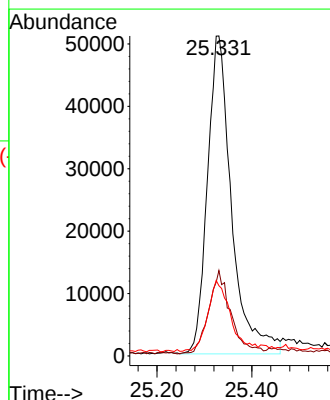
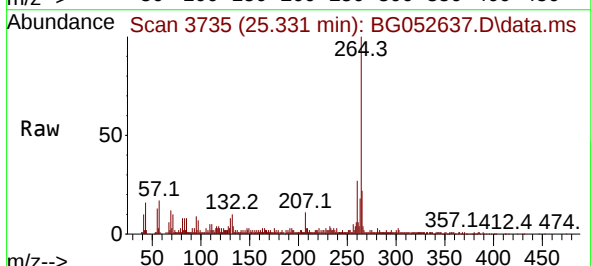
Tgt Ion:264 Resp: 180667

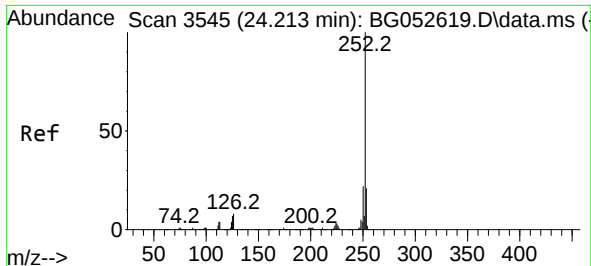
Ion Ratio Lower Upper

264 100

260 26.7 18.2 27.2

265 21.9 15.1 22.7

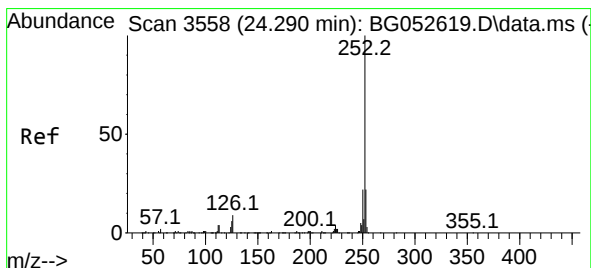
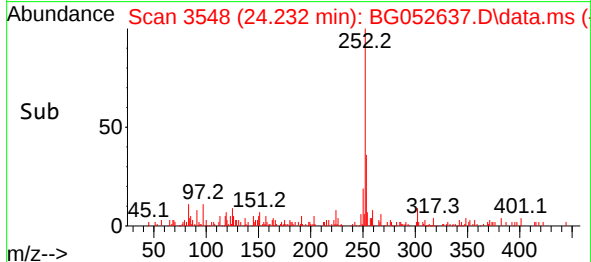
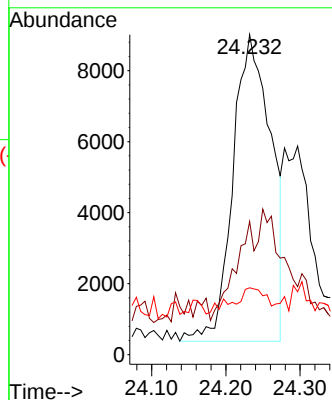
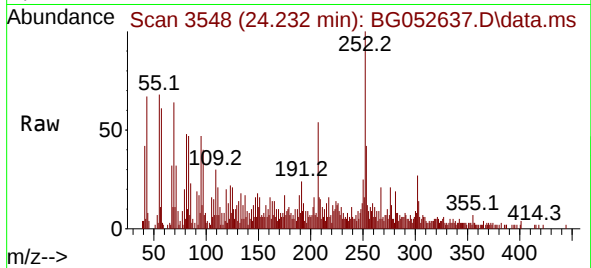




#88
Benzo(b)fluoranthene
Concen: 2.759 ng
RT: 24.232 min Scan# 3548
Delta R.T. 0.019 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

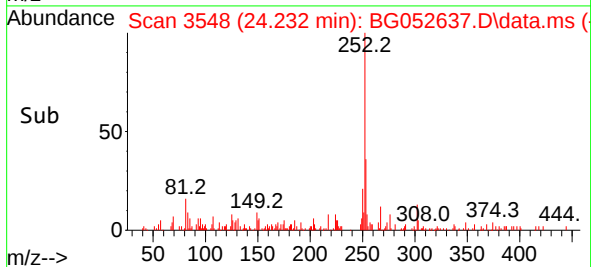
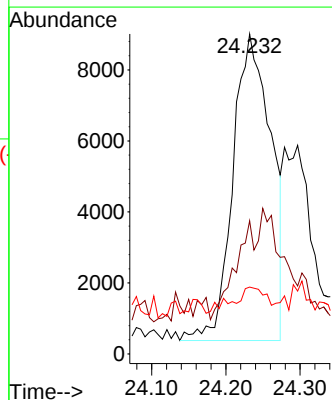
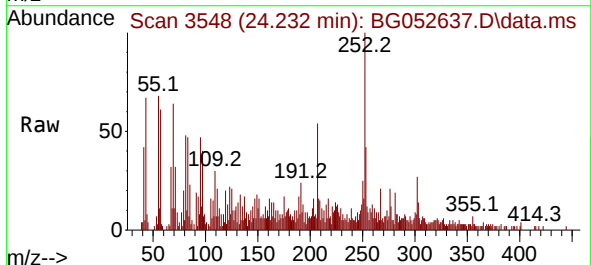
Instrument :
BNA_G
ClientSampleId :
SAMPLE-7

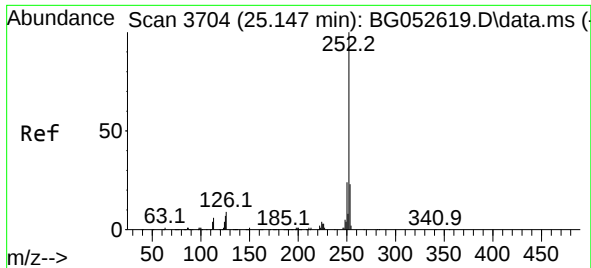
Tgt Ion:252 Resp: 30775
Ion Ratio Lower Upper
252 100
253 41.6 17.2 25.8#
125 20.9 5.2 7.8#



#89
Benzo(k)fluoranthene
Concen: 2.743 ng
RT: 24.232 min Scan# 3548
Delta R.T. -0.058 min
Lab File: BG052637.D
Acq: 10 Mar 2022 16:58

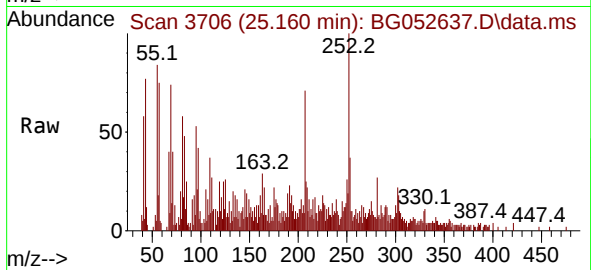
Tgt Ion:252 Resp: 30775
Ion Ratio Lower Upper
252 100
253 41.6 17.4 26.0#
125 20.9 5.0 7.4#





#90
 Benzo(a)pyrene
 Concen: 2.053 ng
 RT: 25.160 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: BG052637.D
 Acq: 10 Mar 2022 16:58

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7



Tgt Ion:252 Resp: 19377
 Ion Ratio Lower Upper
 252 100
 253 37.2 18.4 27.6#
 125 26.1 5.6 8.4#

