

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053049.D
 Acq On : 6 Apr 2022 2:20
 Operator : CG/JU
 Sample : N2256-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-040422

Quant Time: Apr 06 04:16:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

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

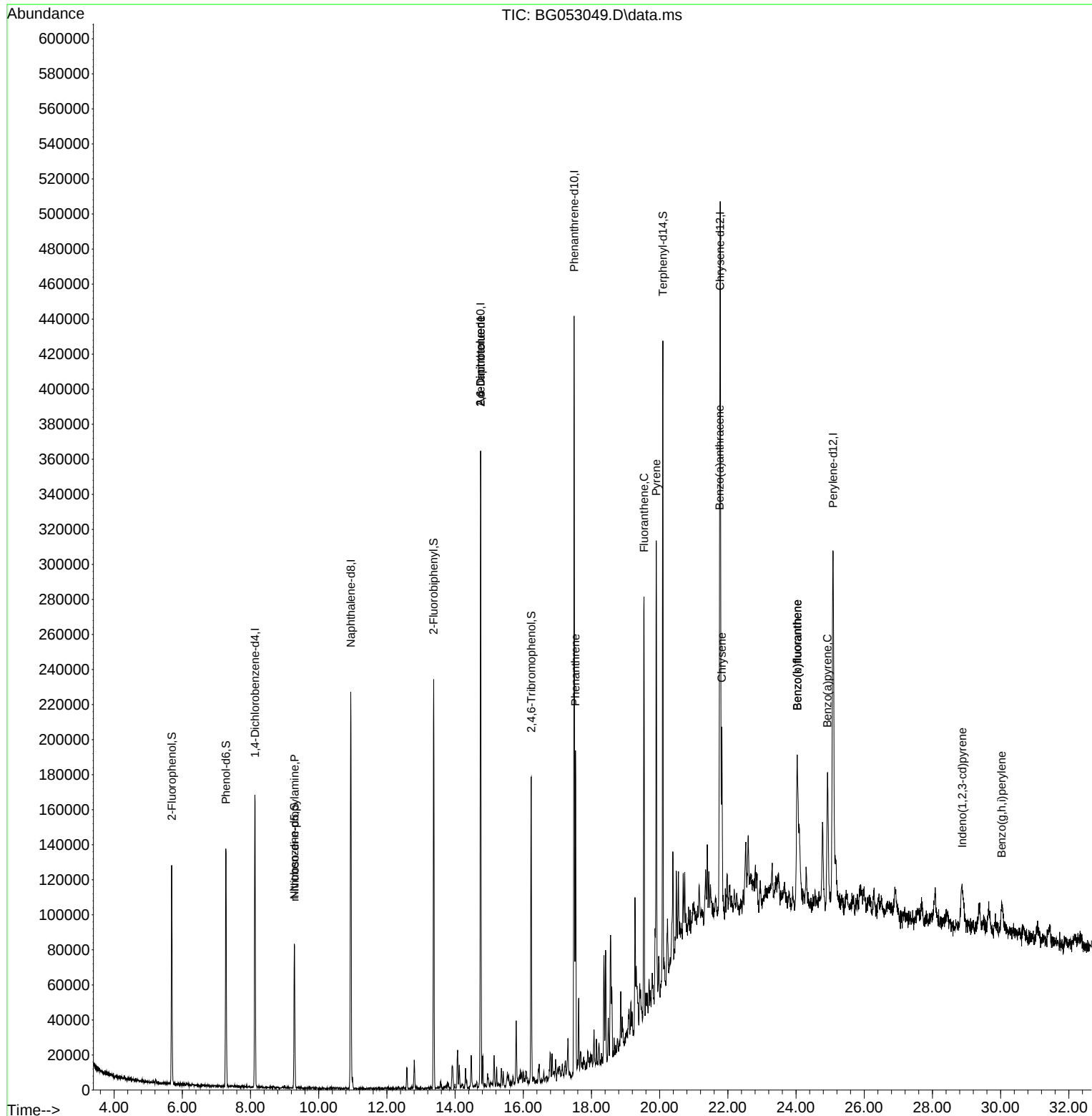
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.134	152	45203	20.000	ng	-0.01
21) Naphthalene-d8	10.942	136	184810	20.000	ng	-0.02
39) Acenaphthene-d10	14.749	164	129871	20.000	ng	-0.02
64) Phenanthrene-d10	17.492	188	268086	20.000	ng	-0.01
76) Chrysene-d12	21.774	240	246075	20.000	ng	-0.02
86) Perylene-d12	25.088	264	250343	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	50112	19.306	ng	0.00
7) Phenol-d6	7.276	99	78042	19.943	ng	-0.01
23) Nitrobenzene-d5	9.285	82	54764	14.873	ng	-0.02
42) 2,4,6-Tribromophenol	16.235	330	32674	18.723	ng	-0.01
45) 2-Fluorobiphenyl	13.374	172	123932	14.074	ng	-0.02
79) Terphenyl-d14	20.094	244	181782	13.141	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.270	77	91	Below Cal	Qvalue # 5	
19) n-Nitroso-di-n-propyla...	9.291	70	7746	2.795 ng	# 67	
51) 2,6-Dinitrotoluene	14.749	165	17325	10.631 ng	# 27	
57) 2,4-Dinitrotoluene	14.749	165	17325	7.662 ng	# 26	
71) Phenanthrene	17.533	178	114320	7.971 ng	96	
75) Fluoranthene	19.542	202	156512	8.597 ng	99	
78) Pyrene	19.900	202	174609	10.229 ng	98	
81) Benzo(a)anthracene	21.757	228	91220	5.536 ng	98	
83) Chrysene	21.821	228	84926	5.482 ng	98	
87) Indeno(1,2,3-cd)pyrene	28.877	276	44513	2.598 ng	# 56	
88) Benzo(b)fluoranthene	24.036	252	120775	7.770 ng	# 92	
89) Benzo(k)fluoranthene	24.036	252	120775	7.897 ng	# 93	
90) Benzo(a)pyrene	24.923	252	93950	7.140 ng	97	
92) Benzo(g,h,i)perylene	30.034	276	39944	2.859 ng	99	

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

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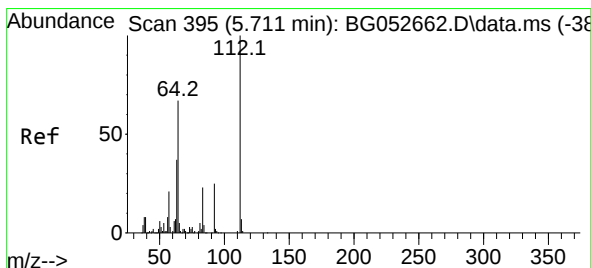
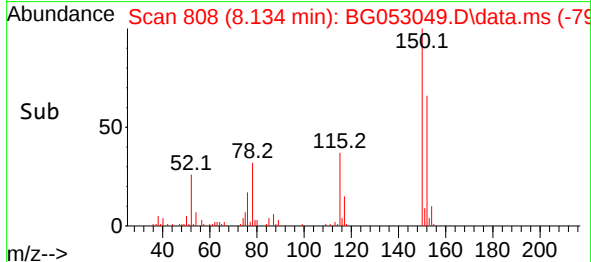
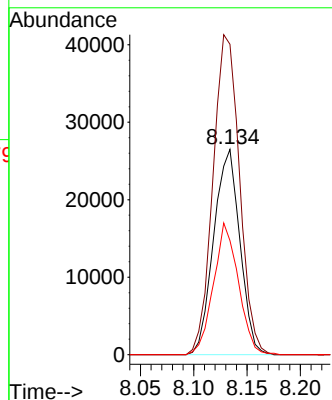
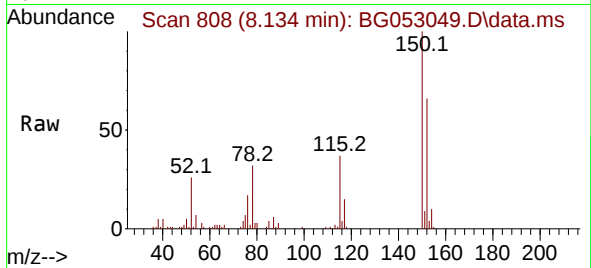




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 80
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

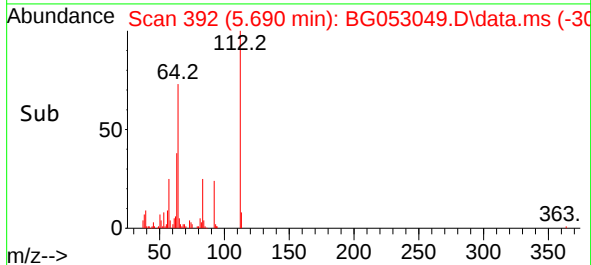
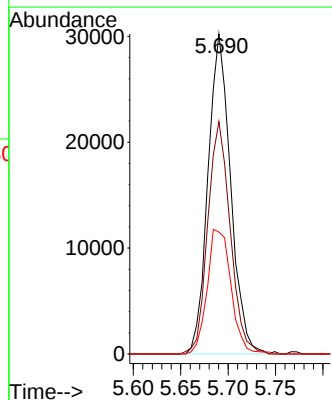
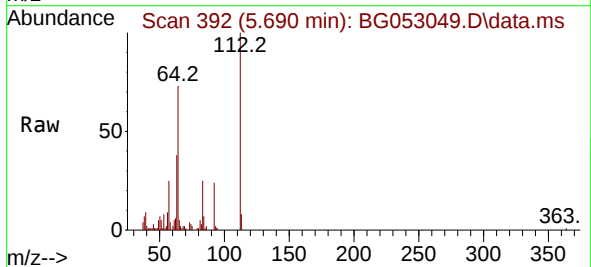
Instrument :
BNA_G
ClientSampleId :
SU-02-040422

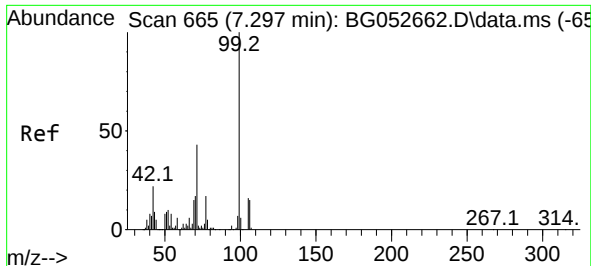
Tgt Ion:152 Resp: 45203
Ion Ratio Lower Upper
152 100
150 151.2 114.6 172.0
115 55.5 45.9 68.9



#5
2-Fluorophenol
Concen: 19.306 ng
RT: 5.690 min Scan# 392
Delta R.T. -0.006 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:112 Resp: 50112
Ion Ratio Lower Upper
112 100
64 72.6 48.0 72.0#
63 38.1 26.5 39.7

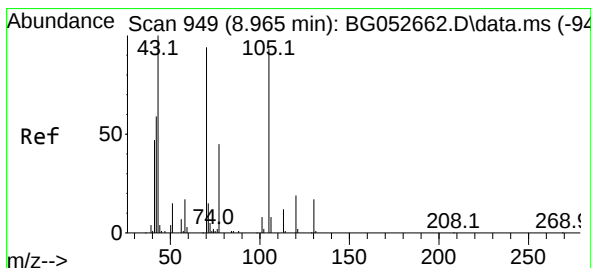
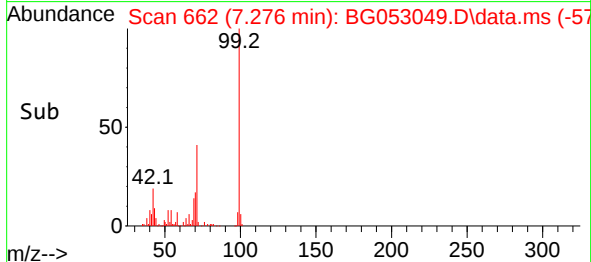
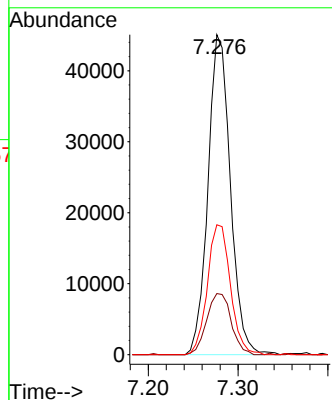
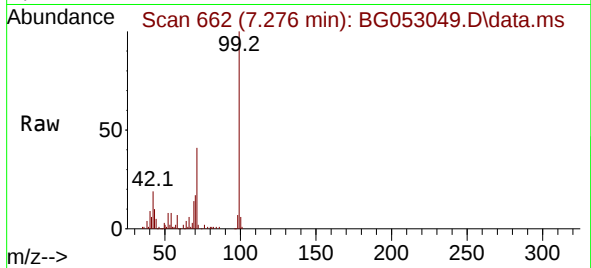




#7
Phenol-d6
Concen: 19.943 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

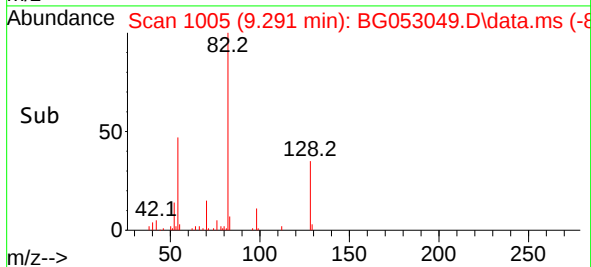
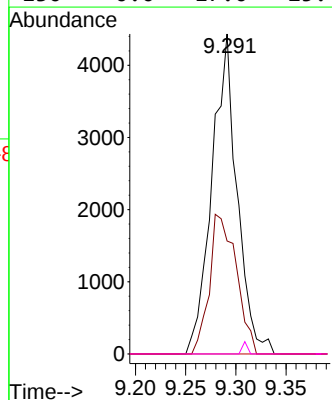
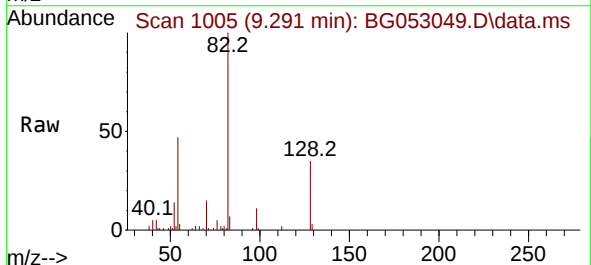
Instrument :
BNA_G
ClientSampleId :
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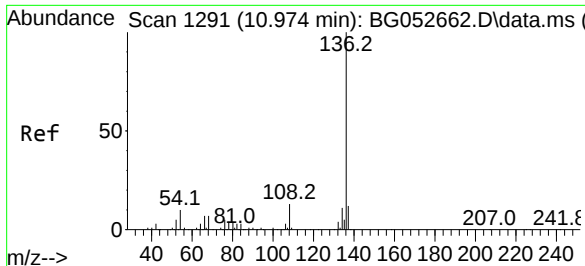
Tgt Ion: 99 Resp: 78042
Ion Ratio Lower Upper
99 100
42 19.1 14.7 22.1
71 40.6 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.795 ng
RT: 9.291 min Scan# 1005
Delta R.T. 0.346 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion: 70 Resp: 7746
Ion Ratio Lower Upper
70 100
42 35.3 46.0 69.0#
101 0.0 6.2 9.4#
130 0.0 17.0 25.4#

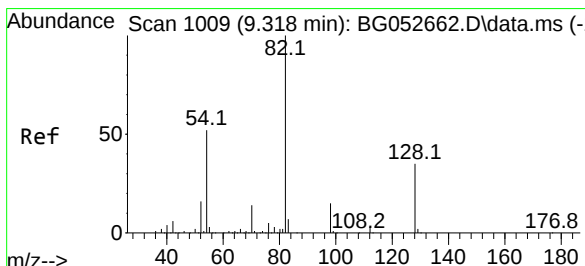
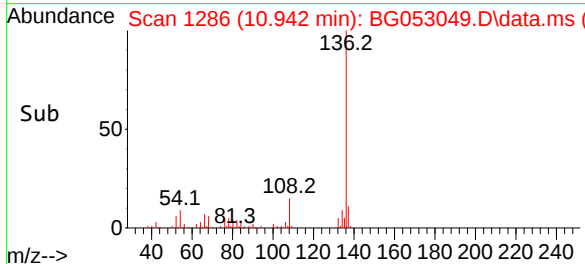
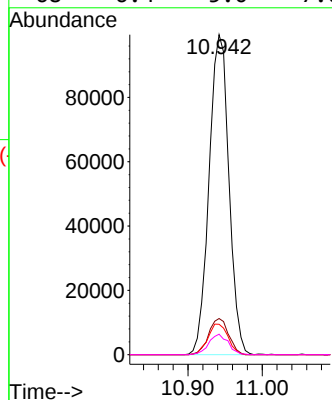
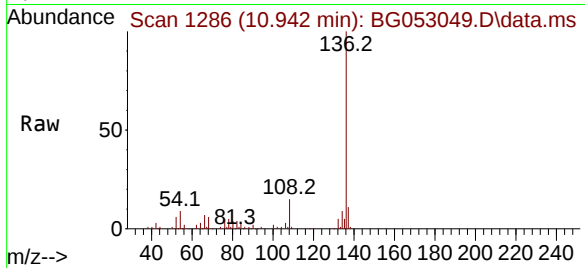




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.942 min Scan# 1004
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

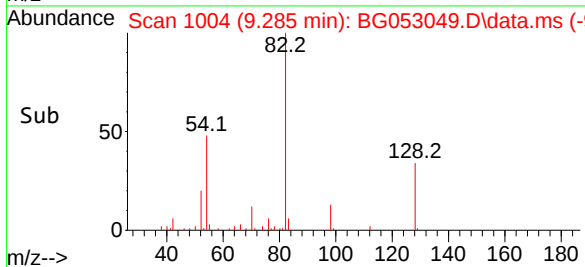
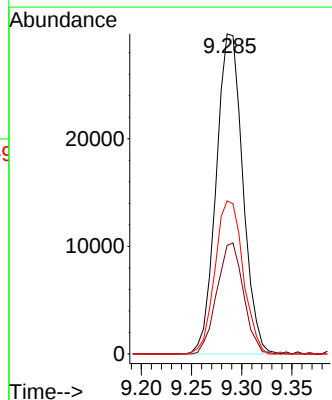
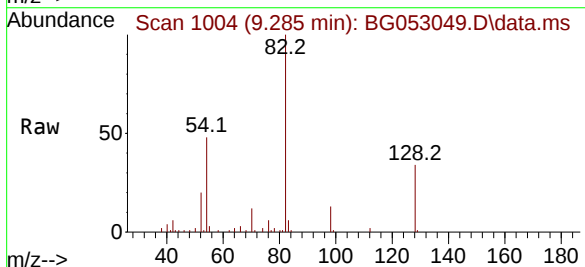
Instrument :
BNA_G
ClientSampleId :
SU-02-040422

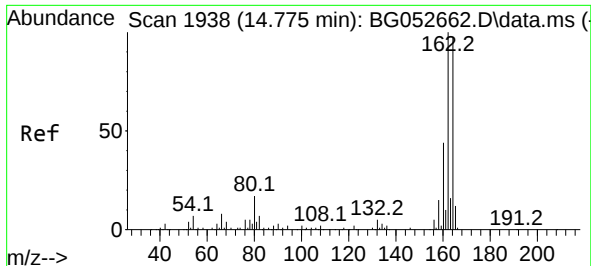
Tgt Ion:136 Resp: 184810
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 9.5 6.4 9.6
68 6.4 5.0 7.6



#23
Nitrobenzene-d5
Concen: 14.873 ng
RT: 9.285 min Scan# 1004
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

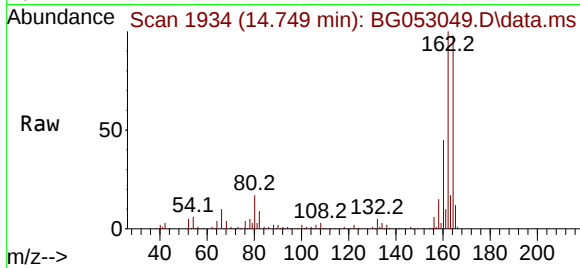
Tgt Ion: 82 Resp: 54764
Ion Ratio Lower Upper
82 100
128 33.9 31.3 46.9
54 47.8 37.8 56.8



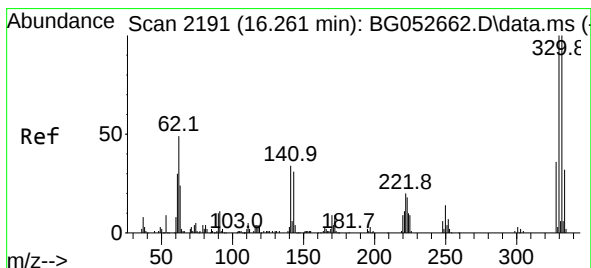
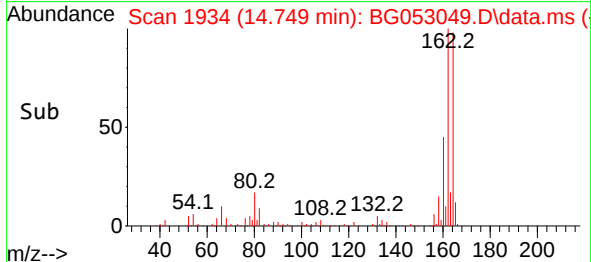
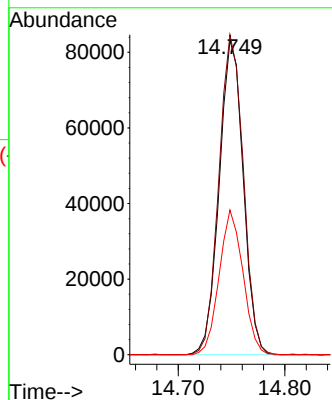


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Instrument :
BNA_G
ClientSampleId :
SU-02-040422

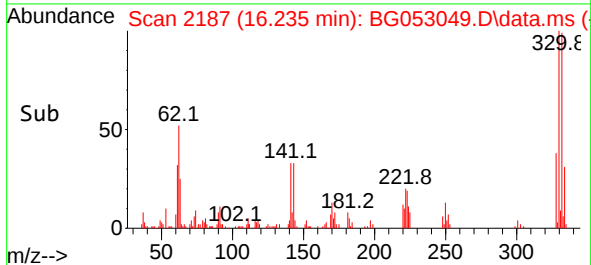
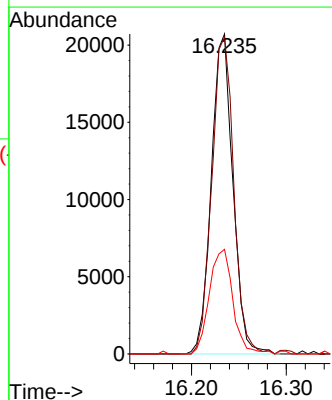
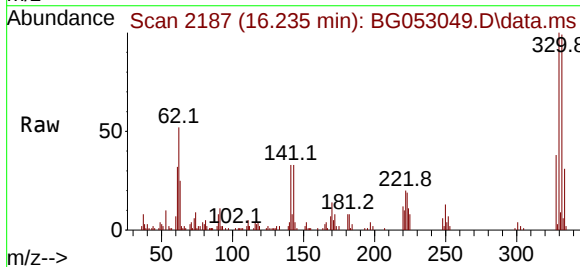


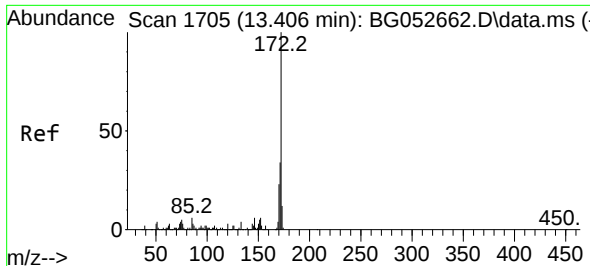
Tgt Ion:164 Resp: 129871
Ion Ratio Lower Upper
164 100
162 101.8 80.0 120.0
160 46.0 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 18.723 ng
RT: 16.235 min Scan# 2187
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:330 Resp: 32674
Ion Ratio Lower Upper
330 100
332 100.8 75.8 113.6
141 35.7 24.6 36.8

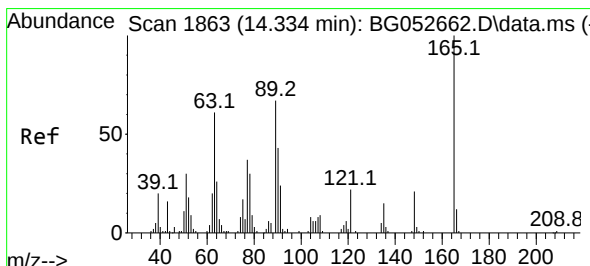
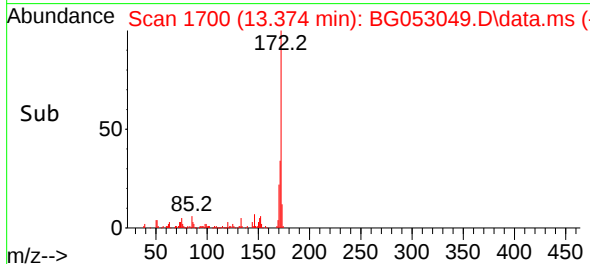
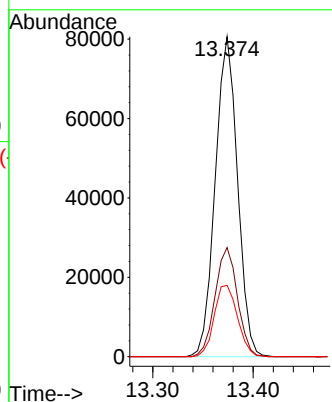
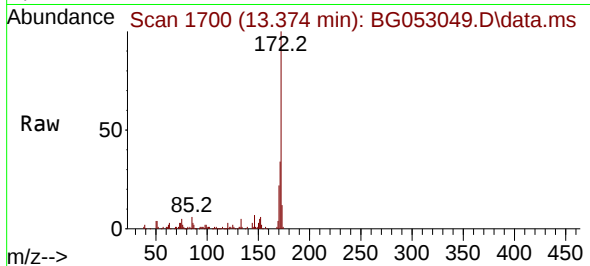




#45
2-Fluorobiphenyl
Concen: 14.074 ng
RT: 13.374 min Scan# 1
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

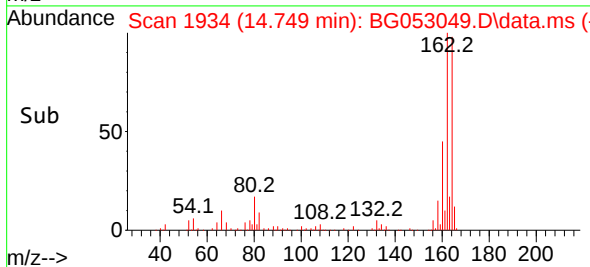
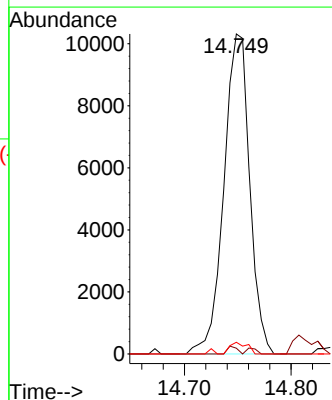
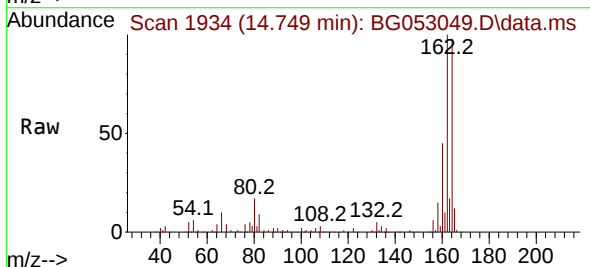
Instrument :
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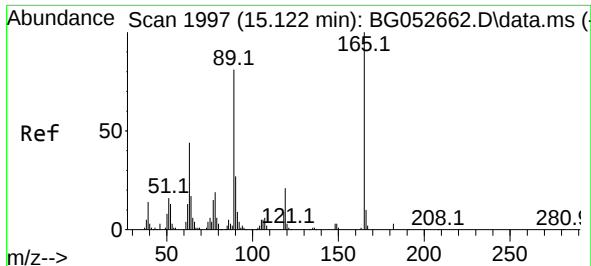
Tgt Ion:172 Resp: 123932
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 22.3 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 10.631 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.423 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:165 Resp: 17325
Ion Ratio Lower Upper
165 100
63 1.8 43.7 65.5#
89 3.6 45.0 67.4#

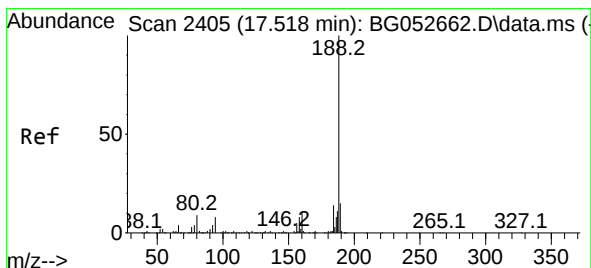
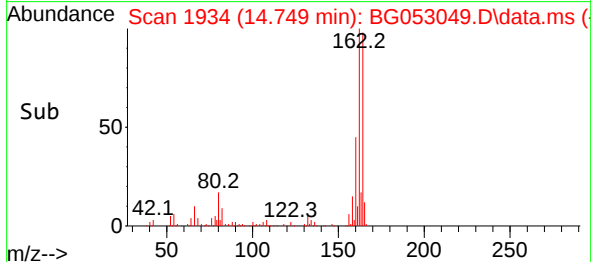
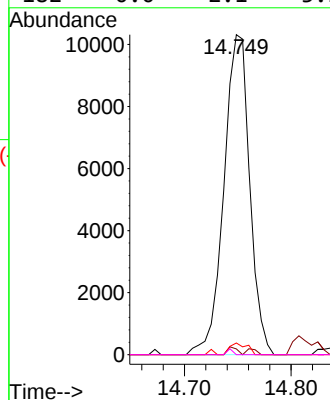
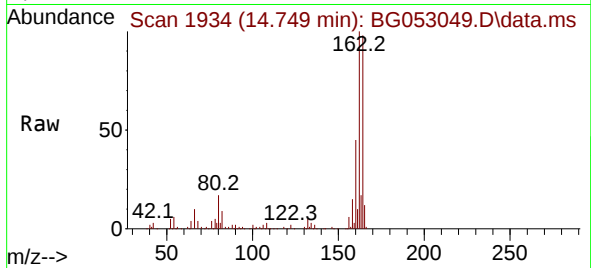




#57
2,4-Dinitrotoluene
Concen: 7.662 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.365 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

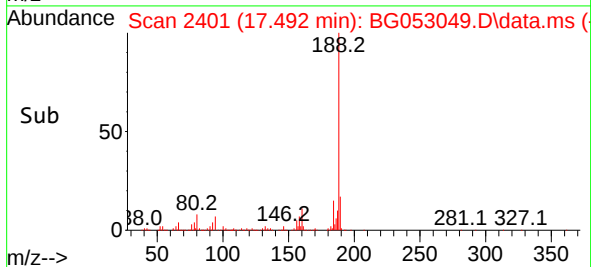
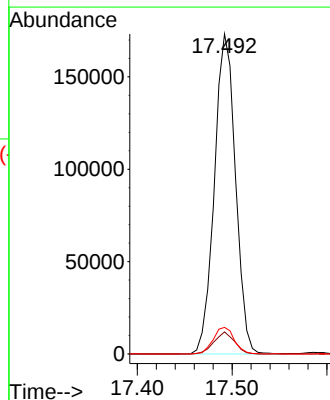
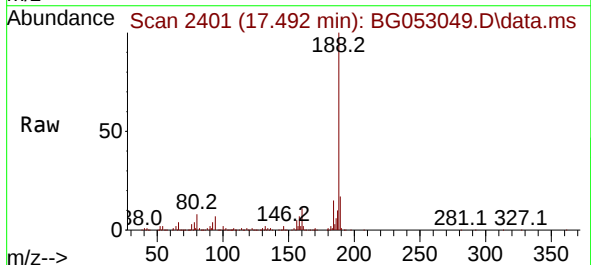
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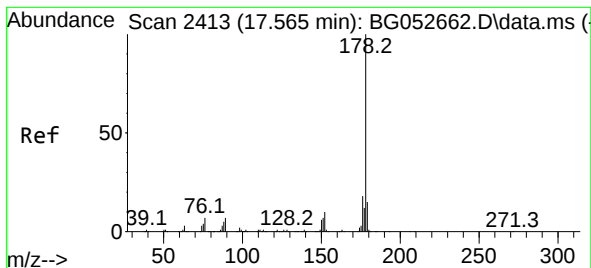
Tgt Ion:165 Resp: 17325
Ion Ratio Lower Upper
165 100
63 1.8 34.8 52.2#
89 3.6 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2401
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:188 Resp: 268086
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.3 7.2 10.8





#71

Phenanthrene

Concen: 7.971 ng

RT: 17.533 min Scan# 2413

Delta R.T. -0.018 min

Lab File: BG053049.D

Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SU-02-040422

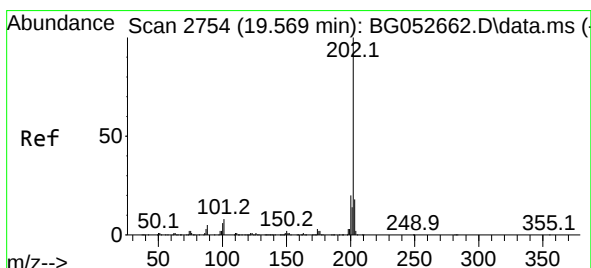
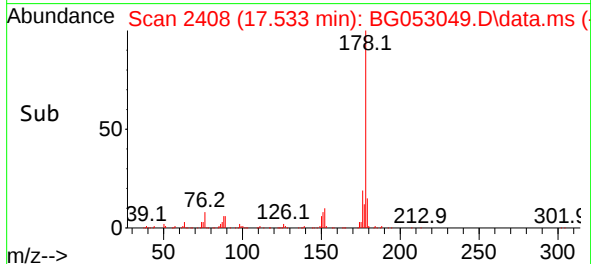
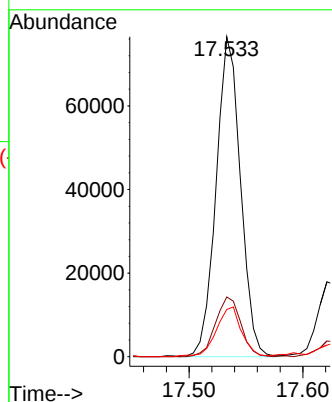
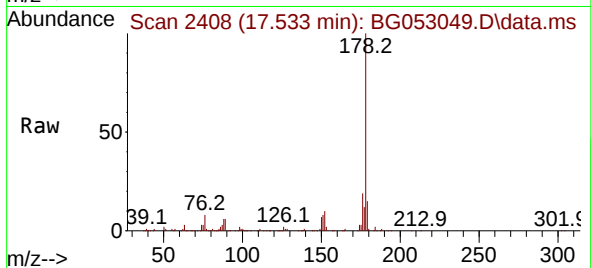
Tgt Ion:178 Resp: 114320

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

179 14.8 13.4 20.2



#75

Fluoranthene

Concen: 8.597 ng

RT: 19.542 min Scan# 2750

Delta R.T. -0.012 min

Lab File: BG053049.D

Acq: 6 Apr 2022 2:20

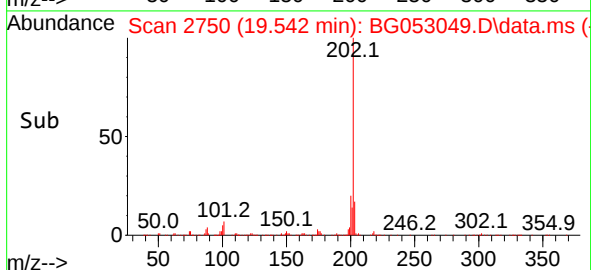
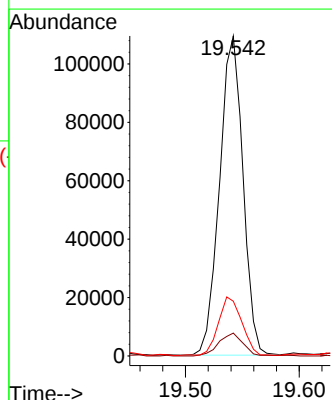
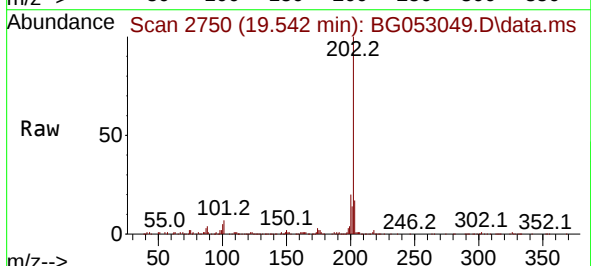
Tgt Ion:202 Resp: 156512

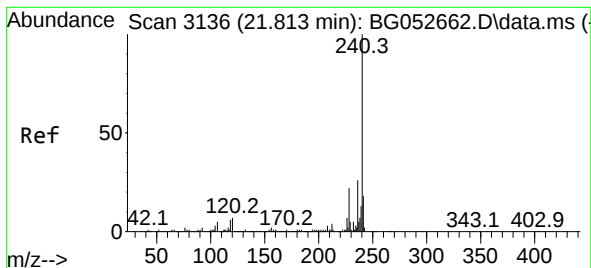
Ion Ratio Lower Upper

202 100

101 7.1 0.0 27.3

203 17.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.774 min Scan# 31

Delta R.T. -0.024 min

Lab File: BG053049.D

Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SU-02-040422

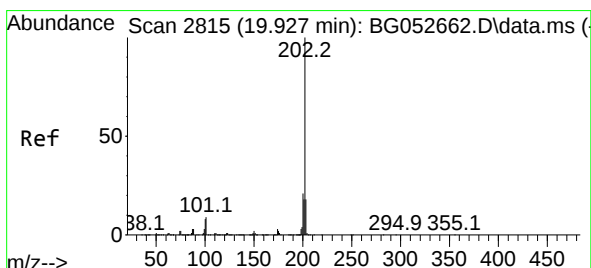
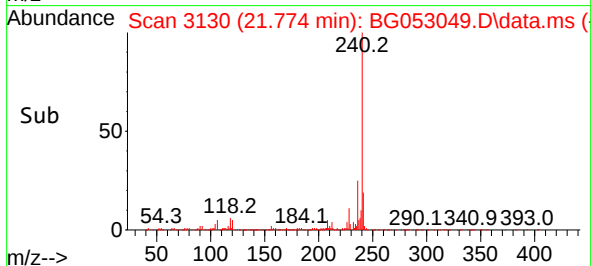
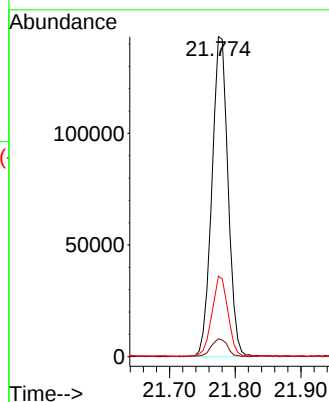
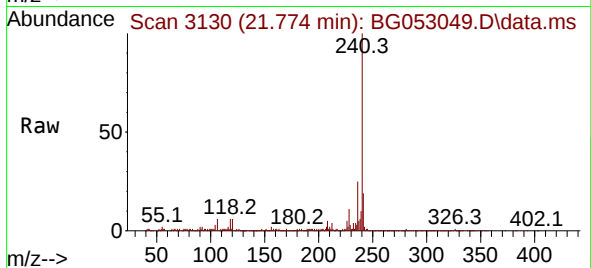
Tgt Ion:240 Resp: 246075

Ion Ratio Lower Upper

240 100

120 5.6 5.4 8.0

236 25.2 19.8 29.6



#78

Pyrene

Concen: 10.229 ng

RT: 19.900 min Scan# 2811

Delta R.T. -0.018 min

Lab File: BG053049.D

Acq: 6 Apr 2022 2:20

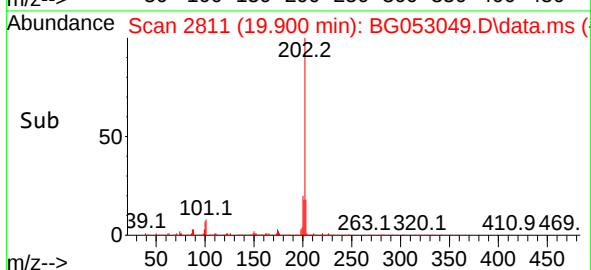
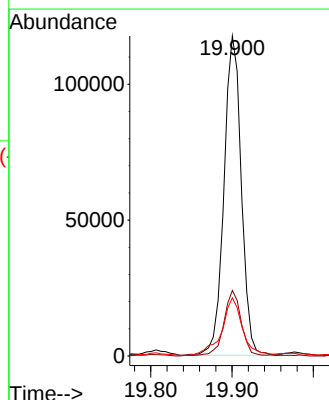
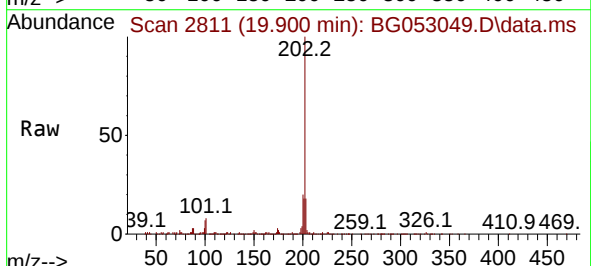
Tgt Ion:202 Resp: 174609

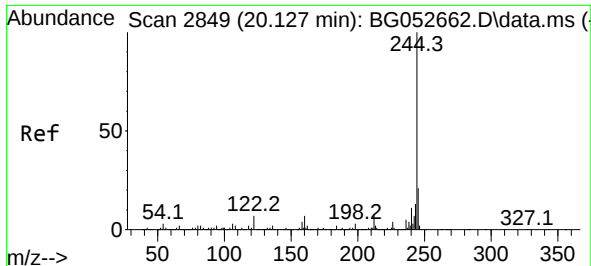
Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.6

203 18.2 15.0 22.6

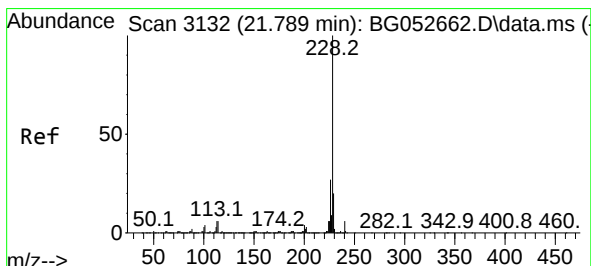
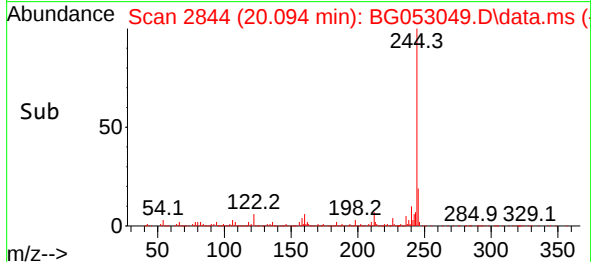
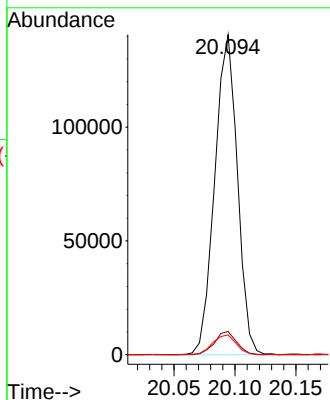
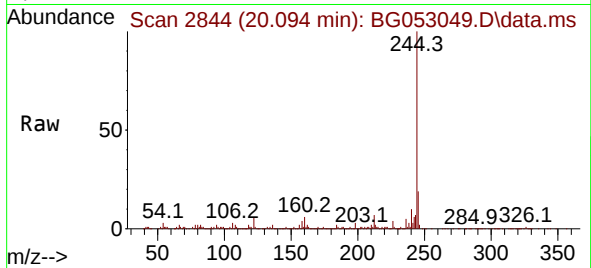




#79
 Terphenyl-d14
 Concen: 13.141 ng
 RT: 20.094 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BG053049.D
 Acq: 6 Apr 2022 2:20

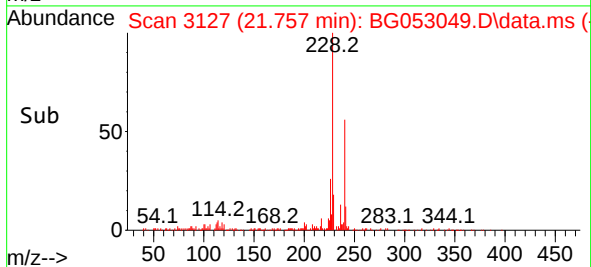
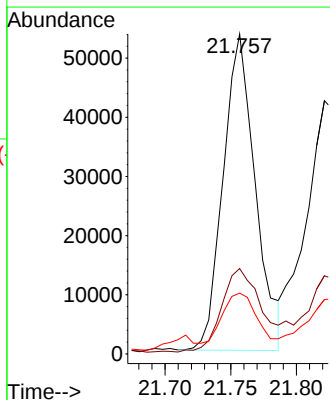
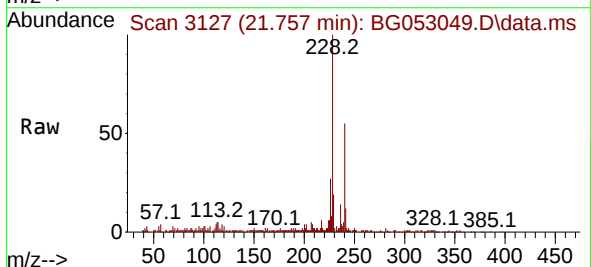
Instrument :
 BNA_G
 ClientSampleId :
 SU-02-040422

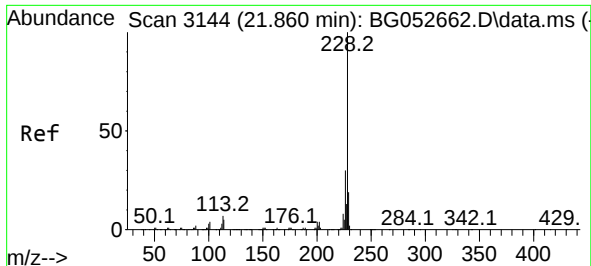
Tgt Ion:244 Resp: 181782
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 6.2 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 5.536 ng
 RT: 21.757 min Scan# 3127
 Delta R.T. -0.018 min
 Lab File: BG053049.D
 Acq: 6 Apr 2022 2:20

Tgt Ion:228 Resp: 91220
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.4 32.0
 229 19.0 16.7 25.1

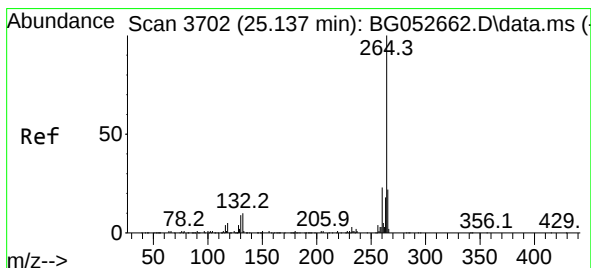
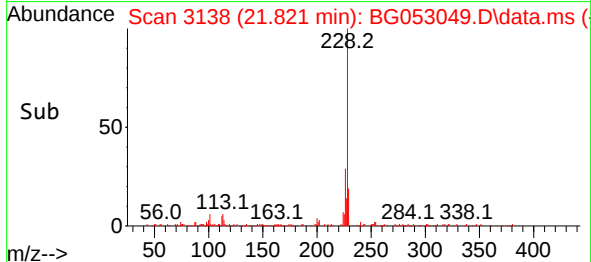
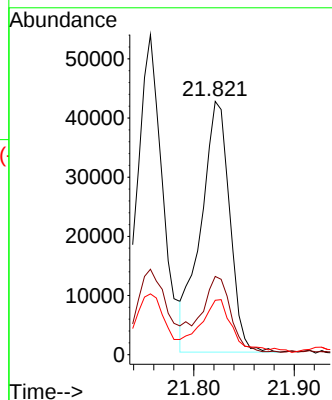
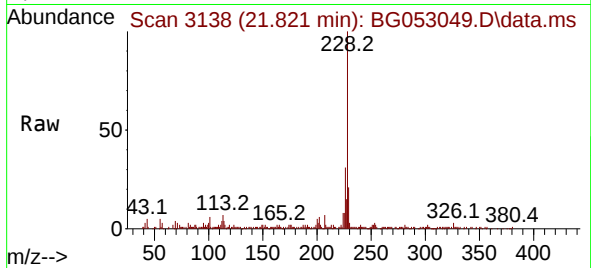




#83
Chrysene
Concen: 5.482 ng
RT: 21.821 min Scan# 3144
Delta R.T. -0.024 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

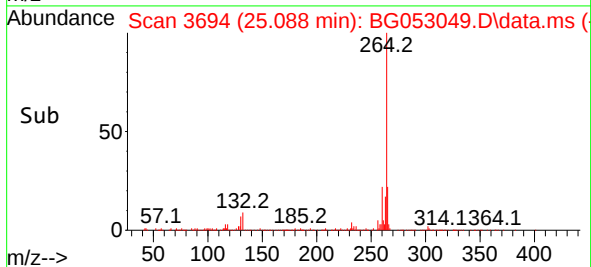
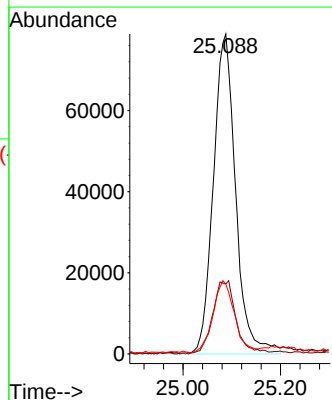
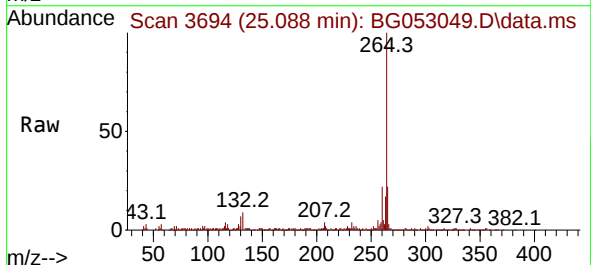
Instrument :
BNA_G
ClientSampleId :
SU-02-040422

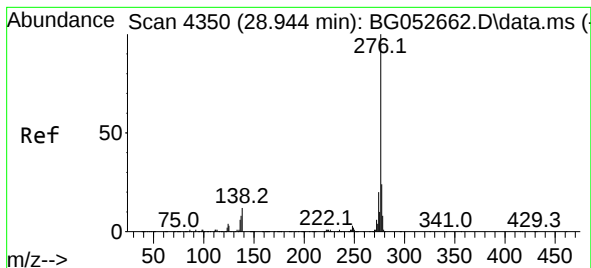
Tgt Ion:228 Resp: 84926
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.4
229 21.5 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.088 min Scan# 3694
Delta R.T. -0.024 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:264 Resp: 250343
Ion Ratio Lower Upper
264 100
260 21.9 18.2 27.2
265 21.8 15.1 22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.598 ng

RT: 28.877 min Scan# 41

Delta R.T. -0.024 min

Lab File: BG053049.D

Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SU-02-040422

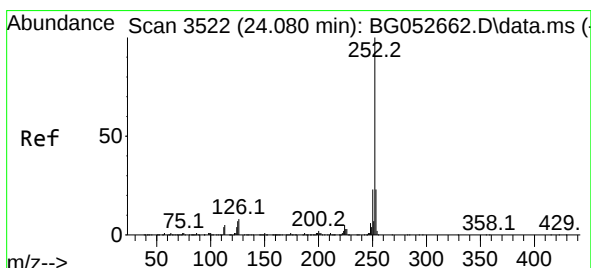
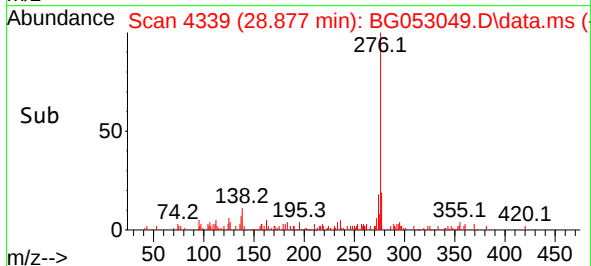
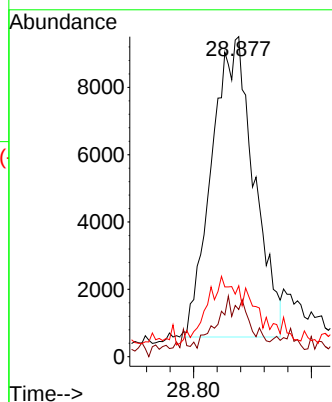
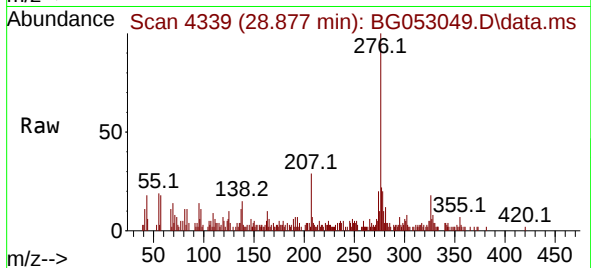
Tgt Ion:276 Resp: 44513

Ion Ratio Lower Upper

276 100

138 0.0 8.7 13.1#

277 0.0 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 7.770 ng

RT: 24.036 min Scan# 3515

Delta R.T. -0.018 min

Lab File: BG053049.D

Acq: 6 Apr 2022 2:20

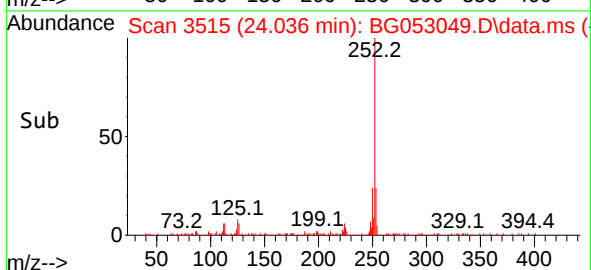
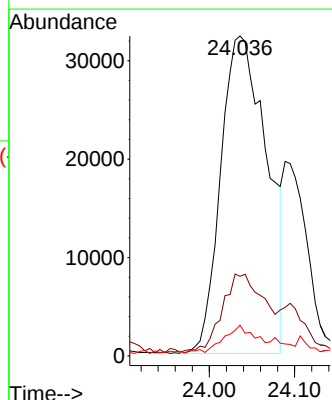
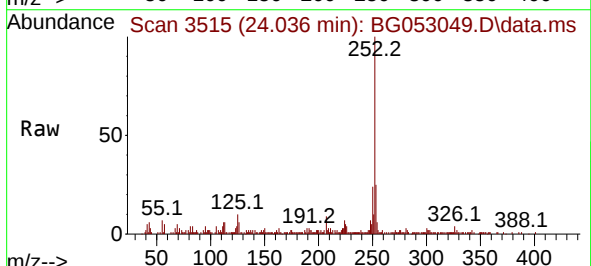
Tgt Ion:252 Resp: 120775

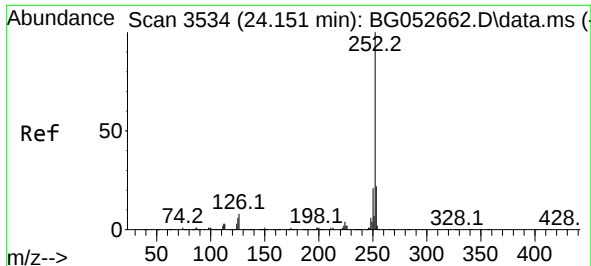
Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

125 9.6 5.2 7.8#

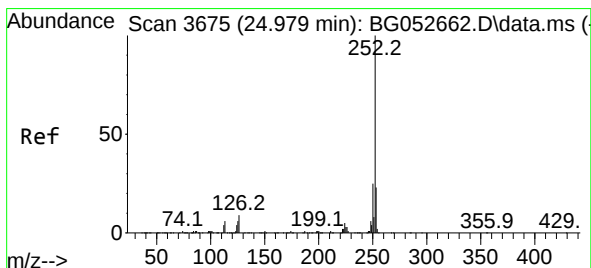
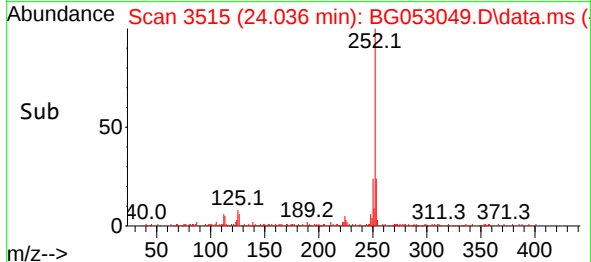
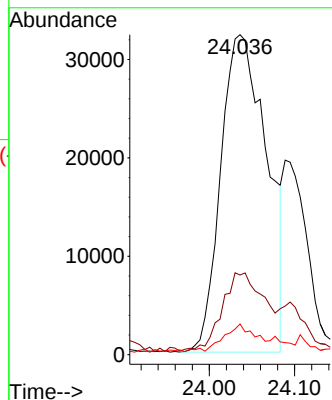
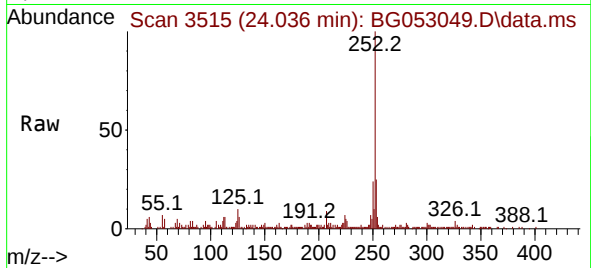




#89
Benzo(k)fluoranthene
Concen: 7.897 ng
RT: 24.036 min Scan# 31
Delta R.T. -0.094 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

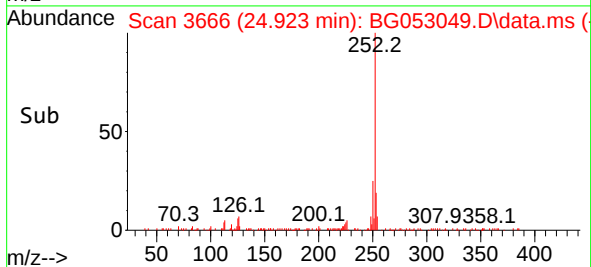
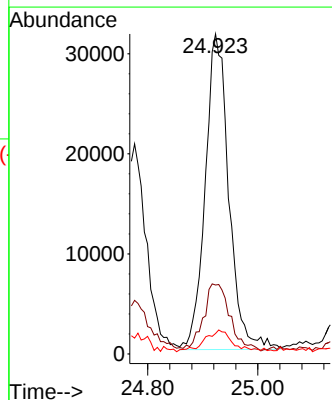
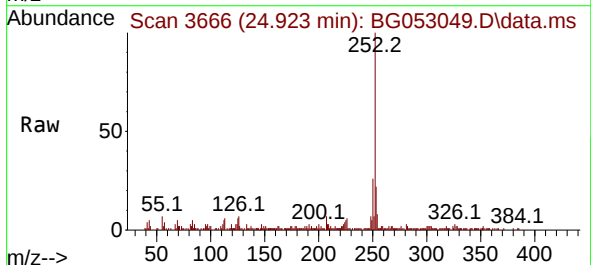
Instrument :
BNA_G
ClientSampleId :
SU-02-040422

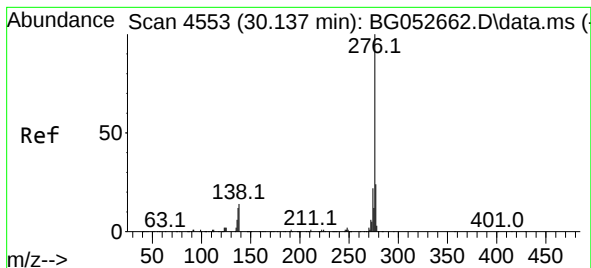
Tgt Ion:252 Resp: 120775
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 9.6 5.0 7.4#



#90
Benzo(a)pyrene
Concen: 7.140 ng
RT: 24.923 min Scan# 3666
Delta R.T. -0.030 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:252 Resp: 93950
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 6.4 5.6 8.4





#92

Benzo(g,h,i)perylene

Concen: 2.859 ng

RT: 30.034 min Scan# 4

Delta R.T. -0.059 min

Lab File: BG053049.D

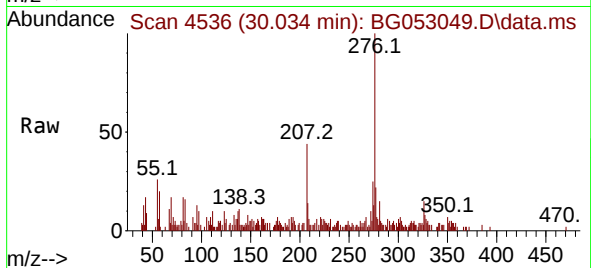
Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SU-02-040422



Tgt Ion:276 Resp: 39944

Ion Ratio Lower Upper

276 100

277 22.3 18.2 27.2

138 11.4 9.1 13.7

