

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042022\
 Data File : BG053229.D
 Acq On : 20 Apr 2022 23:44
 Operator : CG/JU
 Sample : N2432-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB220414

Quant Time: Apr 21 06:05:30 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)

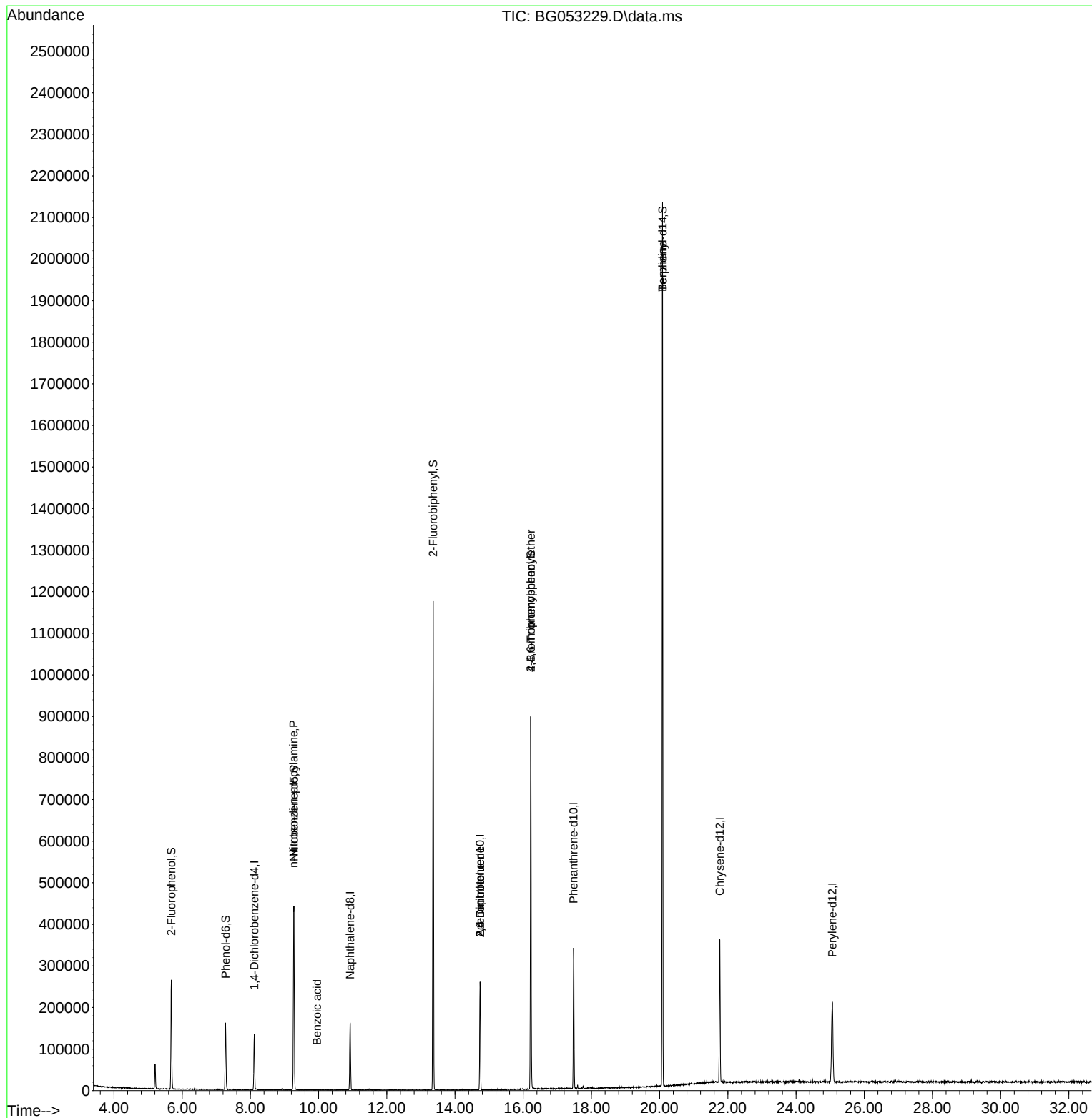
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	36068	20.000	ng	0.00
21) Naphthalene-d8	10.928	136	135533	20.000	ng	0.00
39) Acenaphthene-d10	14.735	164	93682	20.000	ng	-0.01
64) Phenanthrene-d10	17.478	188	216684	20.000	ng	-0.01
76) Chrysene-d12	21.766	240	224771	20.000	ng	0.00
86) Perylene-d12	25.062	264	229727	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.682	112	110270	52.407	ng	0.00
7) Phenol-d6	7.274	99	92378	28.470	ng	0.00
23) Nitrobenzene-d5	9.277	82	286881	85.945	ng	0.00
42) 2,4,6-Tribromophenol	16.221	330	182300	122.313	ng	-0.01
45) 2-Fluorobiphenyl	13.360	172	605193	89.078	ng	0.00
79) Terphenyl-d14	20.086	244	1092731	82.107	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.271	70	40037	16.854	ng	# 77
32) Benzoic acid	9.953	122	56	3.670	ng	# 1
51) 2,6-Dinitrotoluene	14.735	165	12022	7.691	ng	# 24
57) 2,4-Dinitrotoluene	14.735	165	12022	5.402	ng	# 22
67) 4-Bromophenyl-phenylether	16.221	248	11775	4.241	ng	# 1
77) Benzidine	20.086	184	18768	2.927	ng	# 92

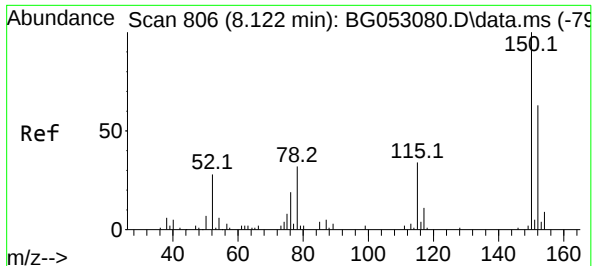
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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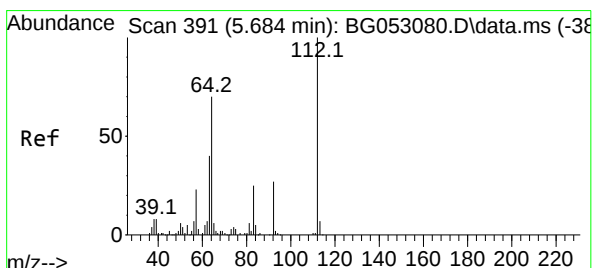
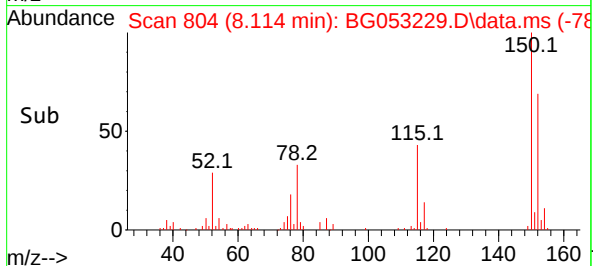
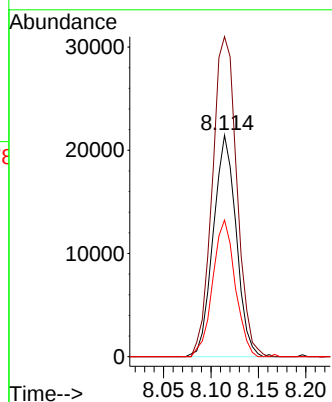
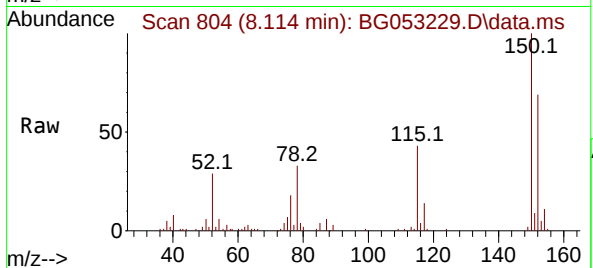




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.114 min Scan# 806
Delta R.T. -0.008 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

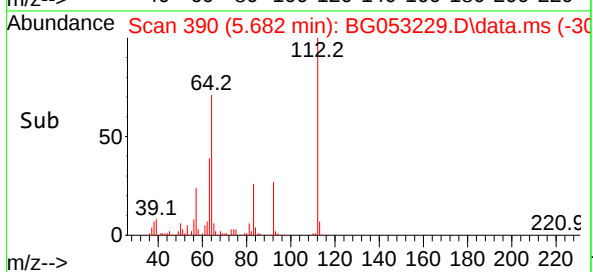
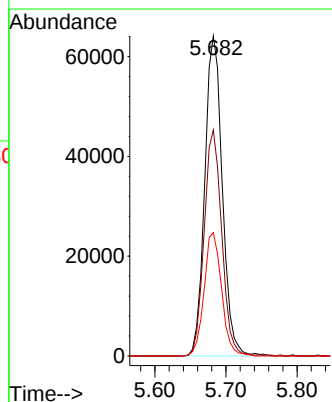
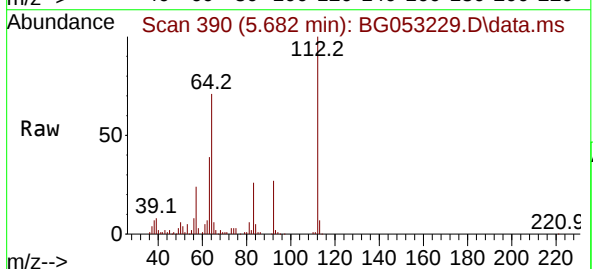
Instrument :
BNA_G
ClientSampleId :
FB220414

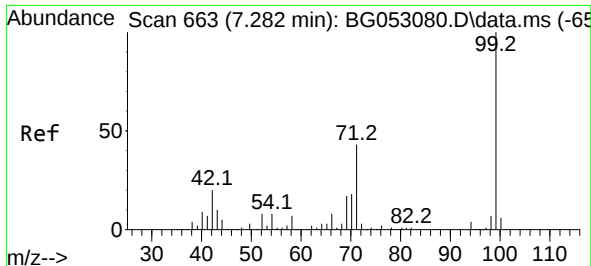
Tgt Ion:152 Resp: 36068
Ion Ratio Lower Upper
152 100
150 144.5 114.6 172.0
115 61.7 45.9 68.9



#5
2-Fluorophenol
Concen: 52.407 ng
RT: 5.682 min Scan# 390
Delta R.T. -0.002 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

Tgt Ion:112 Resp: 110270
Ion Ratio Lower Upper
112 100
64 70.7 48.0 72.0
63 38.5 26.5 39.7

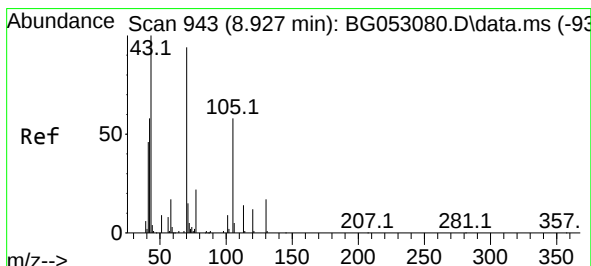
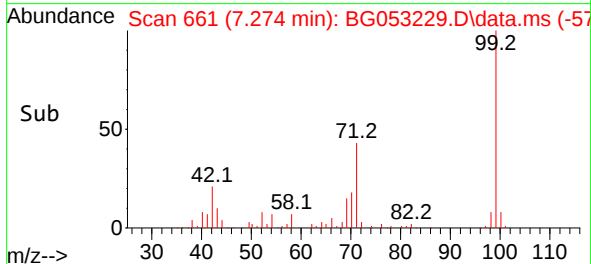
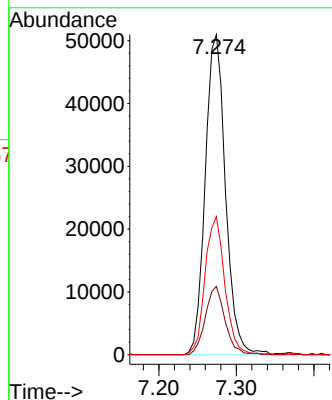
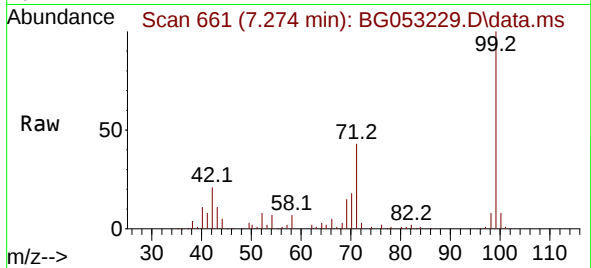




#7
Phenol-d6
Concen: 28.470 ng
RT: 7.274 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

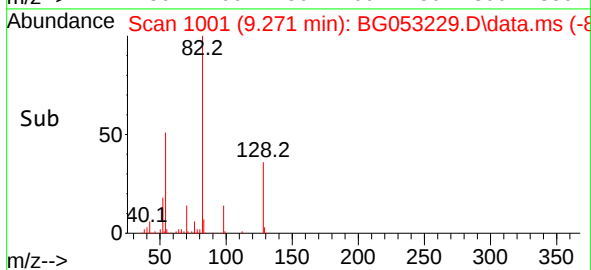
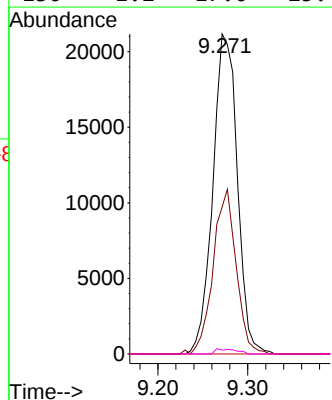
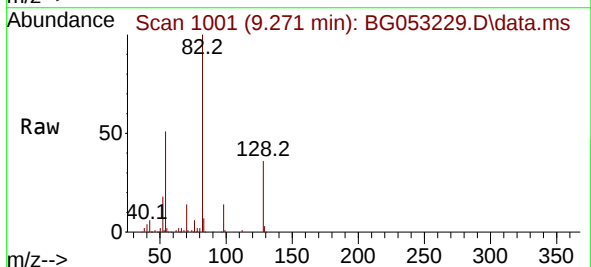
Instrument :
BNA_G
ClientSampleId :
FB220414

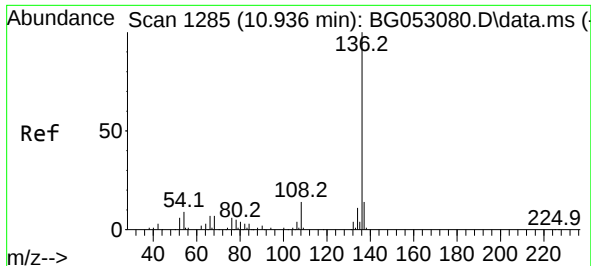
Tgt Ion: 99 Resp: 92378
Ion Ratio Lower Upper
99 100
42 21.3 14.7 22.1
71 43.2 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.854 ng
RT: 9.271 min Scan# 1001
Delta R.T. 0.345 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

Tgt Ion: 70 Resp: 40037
Ion Ratio Lower Upper
70 100
42 45.9 46.0 69.0#
101 0.0 6.2 9.4#
130 1.2 17.0 25.4#



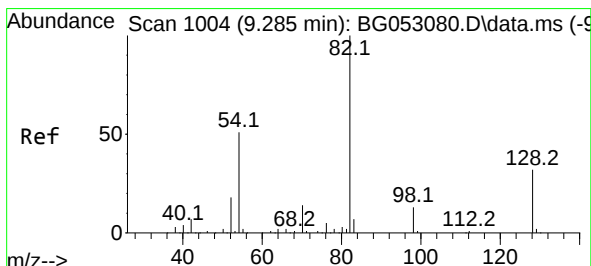
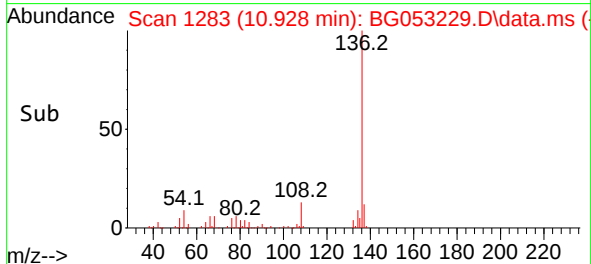
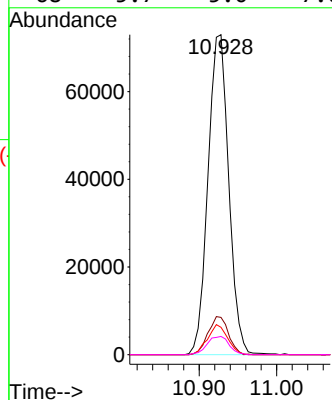
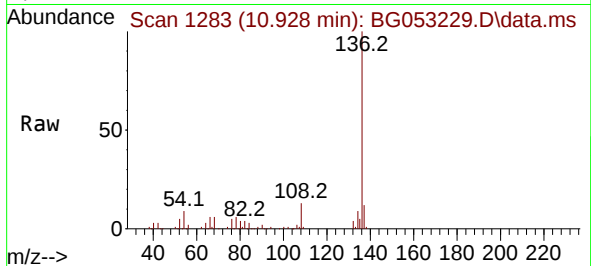


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.928 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

Instrument :
BNA_G
ClientSampleId :
FB220414

Tgt Ion:136 Resp: 135533

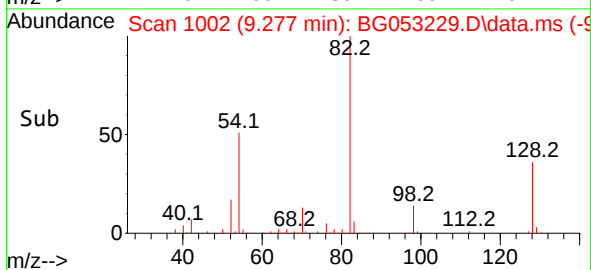
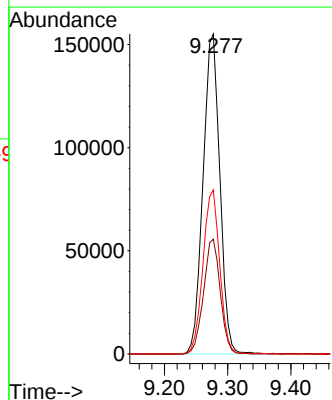
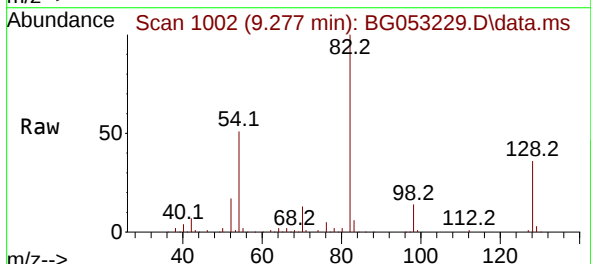
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.2
54	8.6	6.4	9.6
68	5.7	5.0	7.6

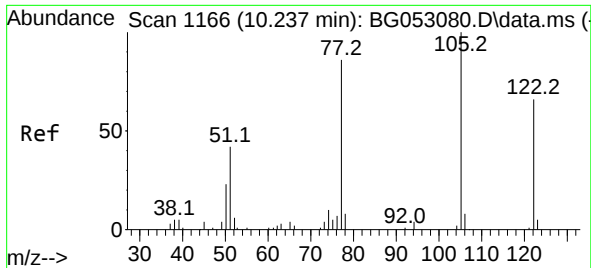


#23
Nitrobenzene-d5
Concen: 85.945 ng
RT: 9.277 min Scan# 1002
Delta R.T. -0.008 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

Tgt Ion: 82 Resp: 286881

Ion	Ratio	Lower	Upper
82	100		
128	35.9	31.3	46.9
54	51.3	37.8	56.8

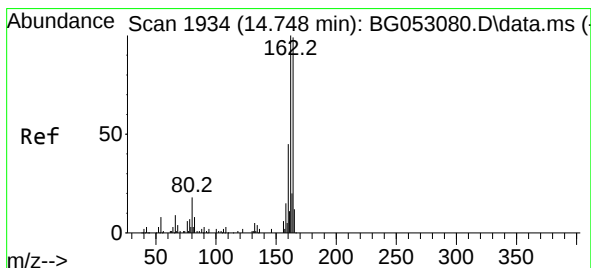
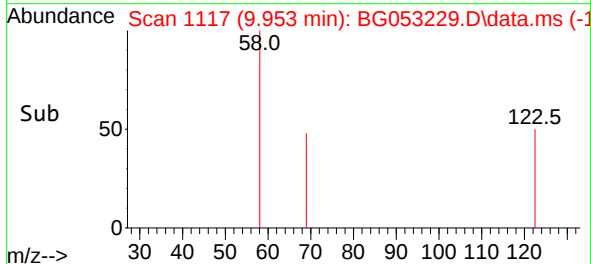
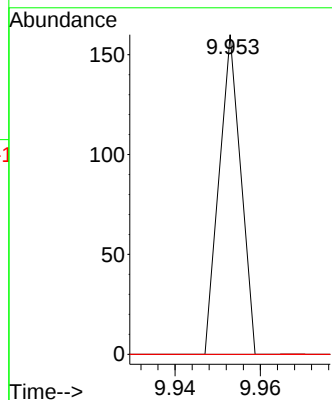
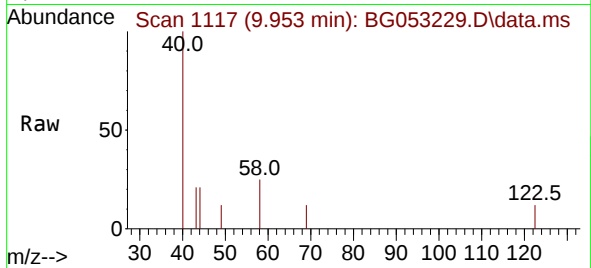




#32
Benzoic acid
Concen: 3.670 ng
RT: 9.953 min Scan# 1166
Delta R.T. -0.284 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

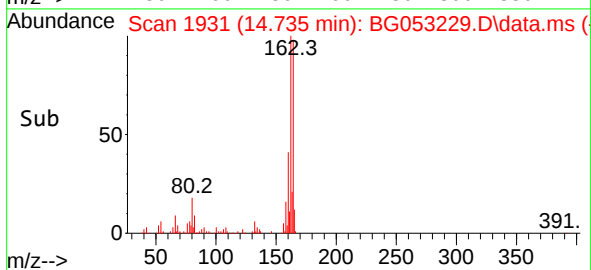
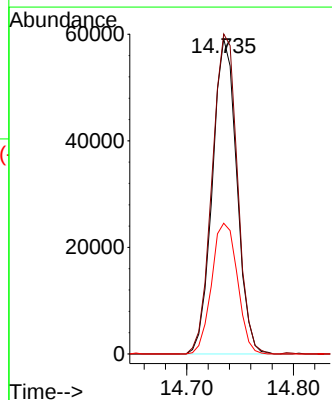
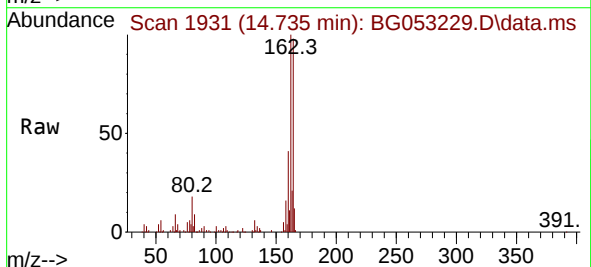
Instrument :
BNA_G
ClientSampleId :
FB220414

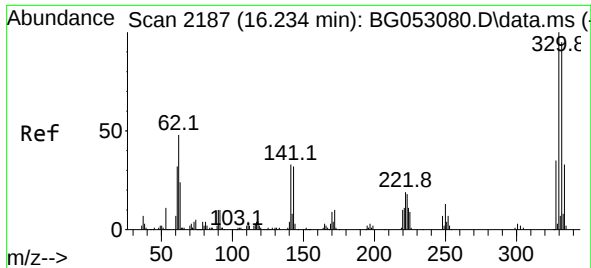
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 112.8 152.8#
77 0.0 78.4 118.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.735 min Scan# 1931
Delta R.T. -0.014 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

Tgt Ion:164 Resp: 93682
Ion Ratio Lower Upper
164 100
162 101.5 80.0 120.0
160 41.5 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 122.313 ng

RT: 16.221 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG053229.D

Acq: 20 Apr 2022 23:44

Instrument :

BNA_G

ClientSampleId :

FB220414

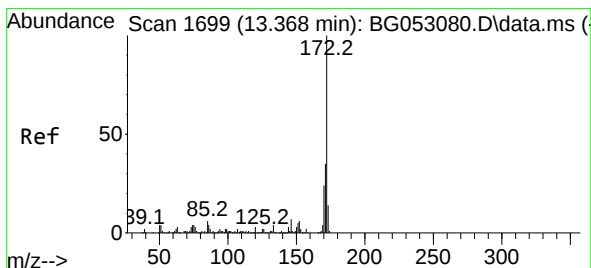
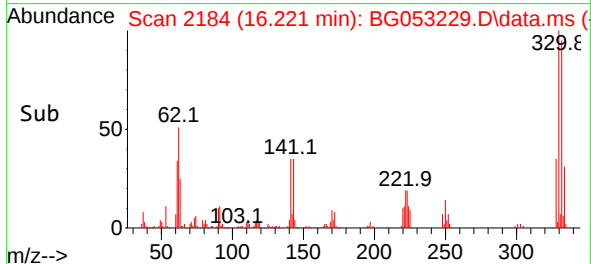
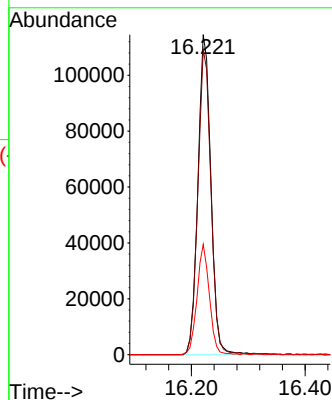
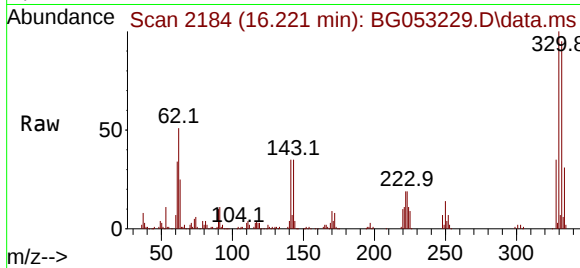
Tgt Ion:330 Resp: 182300

Ion Ratio Lower Upper

330 100

332 95.9 75.8 113.6

141 32.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 89.078 ng

RT: 13.360 min Scan# 1697

Delta R.T. -0.008 min

Lab File: BG053229.D

Acq: 20 Apr 2022 23:44

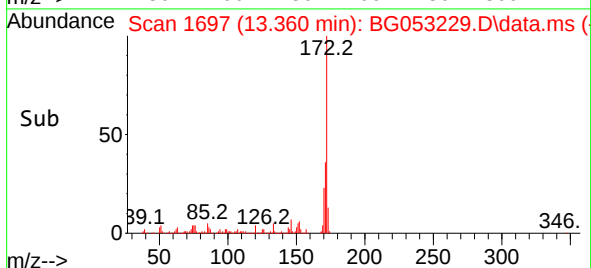
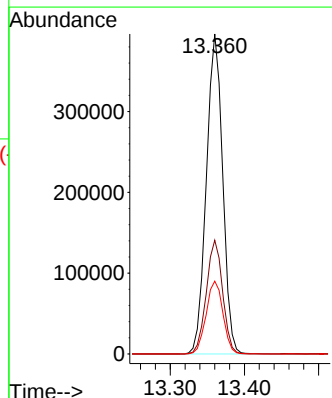
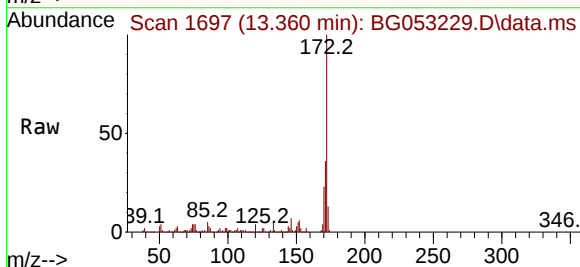
Tgt Ion:172 Resp: 605193

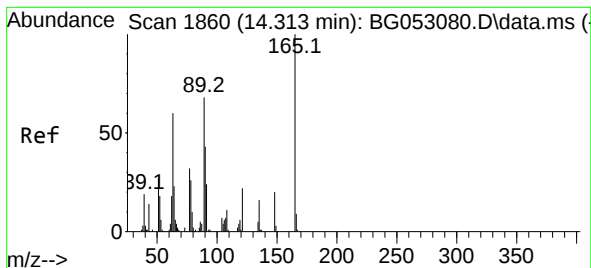
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 22.7 18.0 27.0

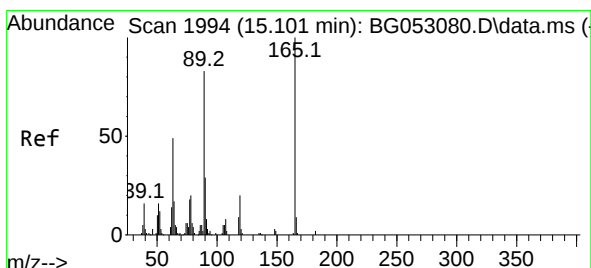
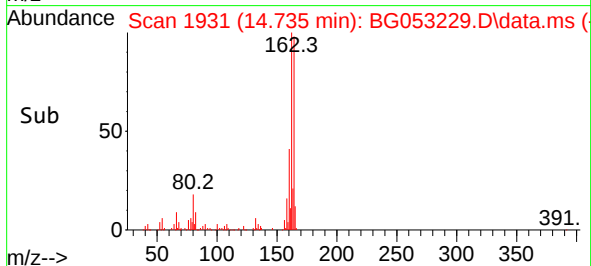
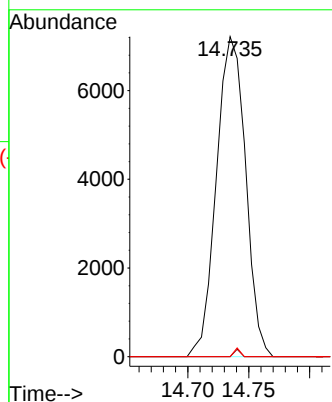
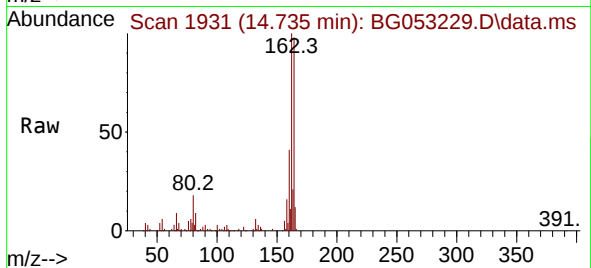




#51
2,6-Dinitrotoluene
Concen: 7.691 ng
RT: 14.735 min Scan# 1931
Delta R.T. 0.421 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

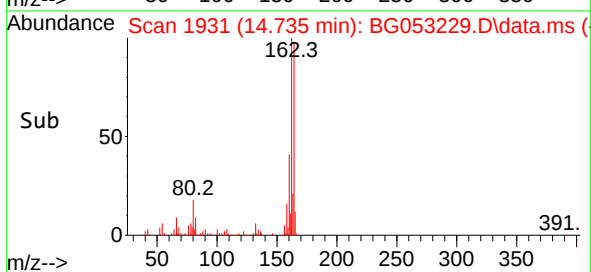
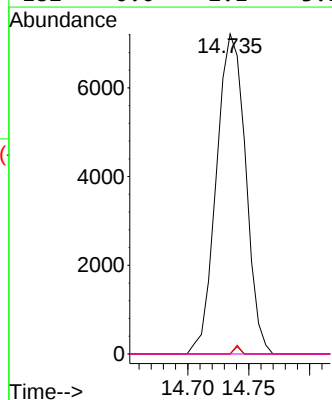
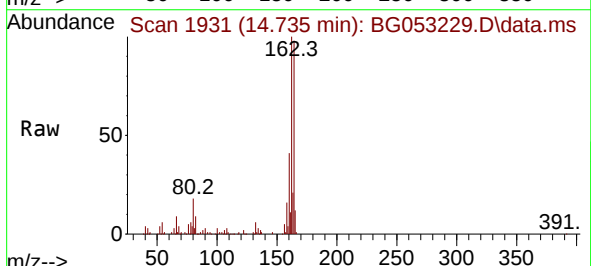
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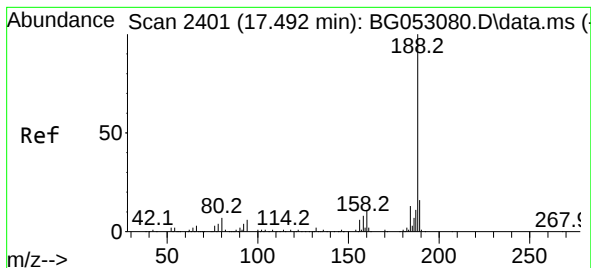
Tgt Ion:165 Resp: 12022
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.402 ng
RT: 14.735 min Scan# 1931
Delta R.T. -0.366 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

Tgt Ion:165 Resp: 12022
Ion Ratio Lower Upper
165 100
63 0.0 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: 17.478 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG053229.D

Acq: 20 Apr 2022 23:44

Instrument :

BNA_G

ClientSampleId :

FB220414

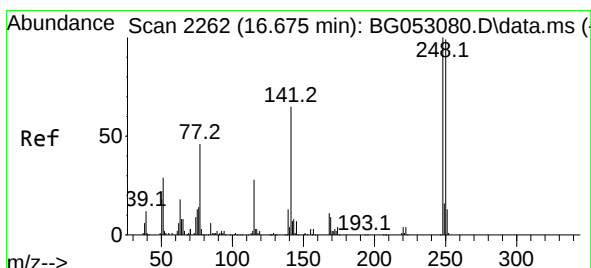
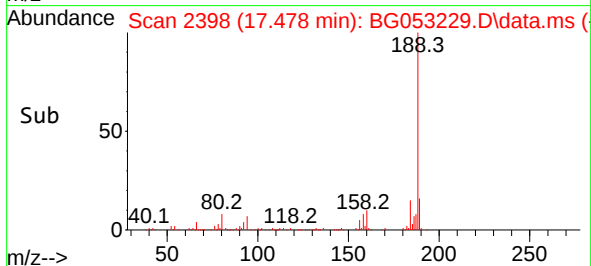
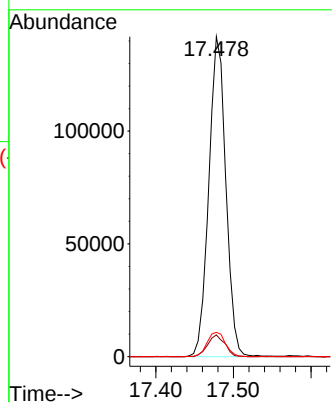
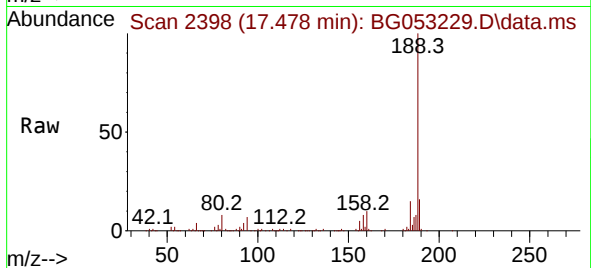
Tgt Ion:188 Resp: 216684

Ion Ratio Lower Upper

188 100

94 6.8 5.7 8.5

80 7.6 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.241 ng

RT: 16.221 min Scan# 2184

Delta R.T. -0.454 min

Lab File: BG053229.D

Acq: 20 Apr 2022 23:44

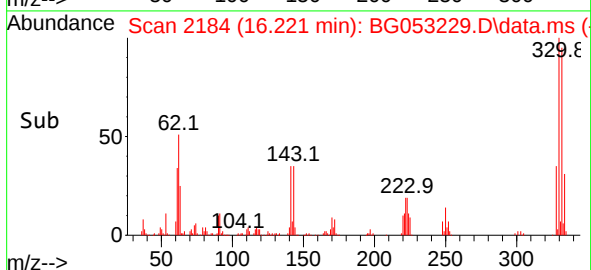
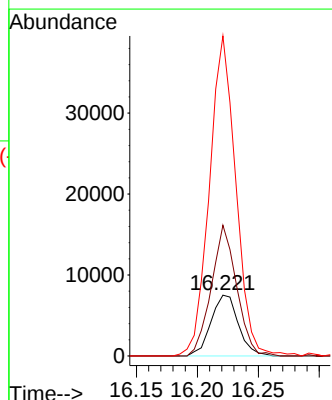
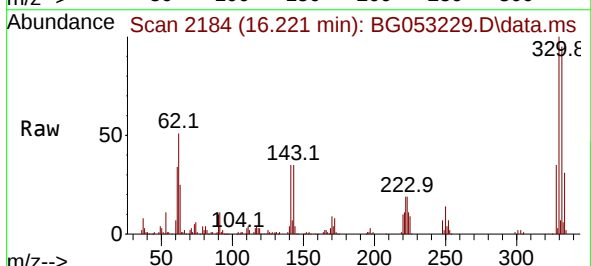
Tgt Ion:248 Resp: 11775

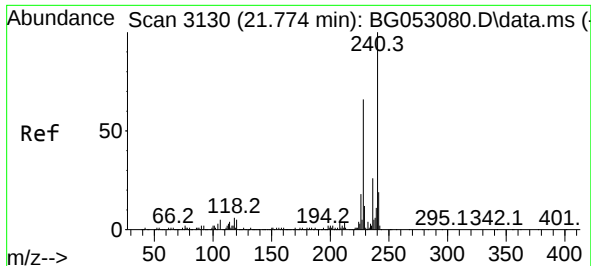
Ion Ratio Lower Upper

248 100

250 214.6 77.9 116.9#

141 525.5 49.2 73.8#

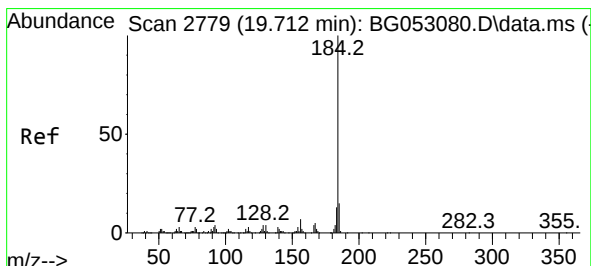
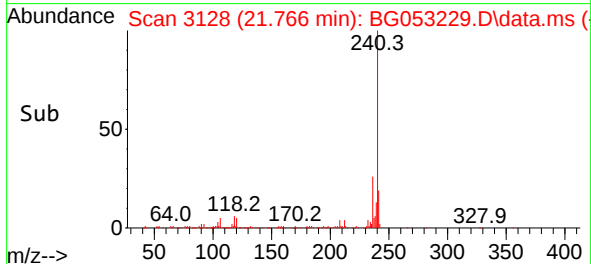
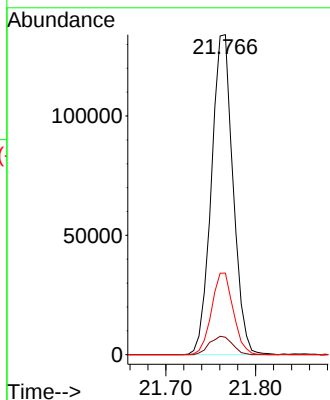
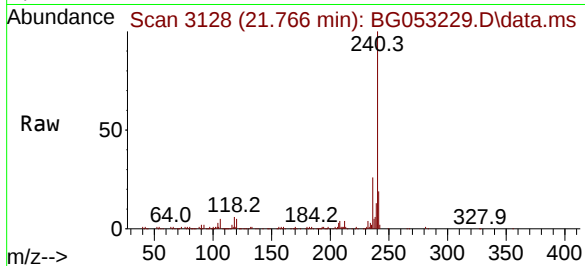




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.766 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

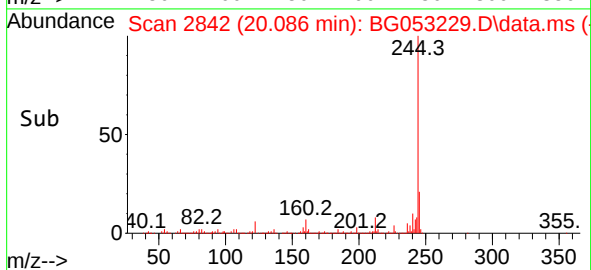
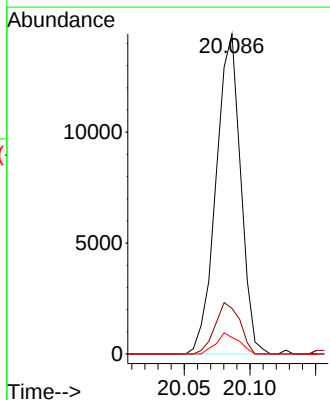
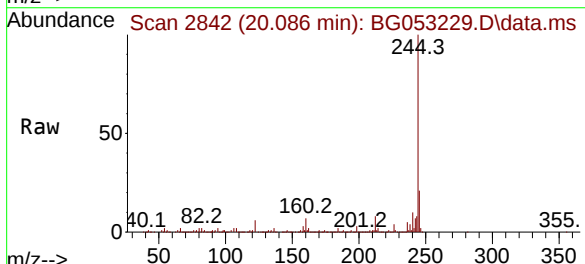
Instrument :
BNA_G
ClientSampleId :
FB220414

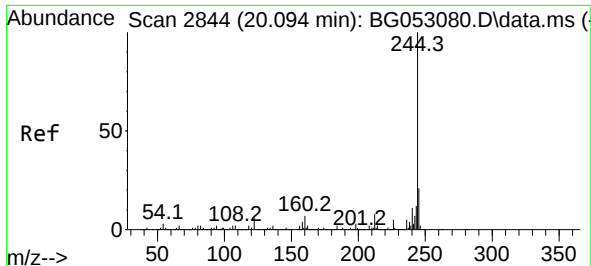
Tgt Ion:240 Resp: 224771
Ion Ratio Lower Upper
240 100
120 5.5 5.4 8.0
236 25.5 19.8 29.6



#77
Benzidine
Concen: 2.927 ng
RT: 20.086 min Scan# 2842
Delta R.T. 0.374 min
Lab File: BG053229.D
Acq: 20 Apr 2022 23:44

Tgt Ion:184 Resp: 18768
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 5.1 9.4 14.2#

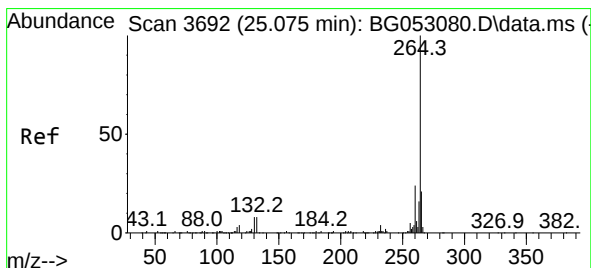
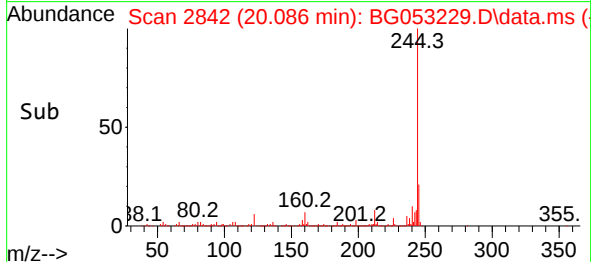
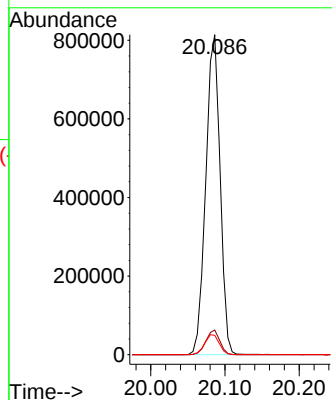
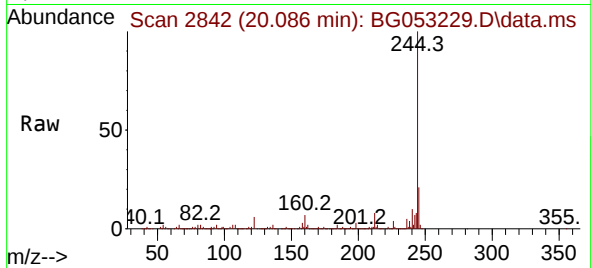




#79
 Terphenyl-d14
 Concen: 82.107 ng
 RT: 20.086 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG053229.D
 Acq: 20 Apr 2022 23:44

Instrument :
 BNA_G
 ClientSampleId :
 FB220414

Tgt Ion:244 Resp: 1092731
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 6.1 5.8 8.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.062 min Scan# 3689
 Delta R.T. -0.014 min
 Lab File: BG053229.D
 Acq: 20 Apr 2022 23:44

Tgt Ion:264 Resp: 229727
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.2 27.2
 265 21.0 15.1 22.7

