

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
 Data File : BG052771.D
 Acq On : 21 Mar 2022 17:10
 Operator : CG/JU
 Sample : N1709-14 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PPSP-B17-23.5-24.0

Quant Time: Mar 22 02:54:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 15:56:10 2022
 Response via : Initial Calibration

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

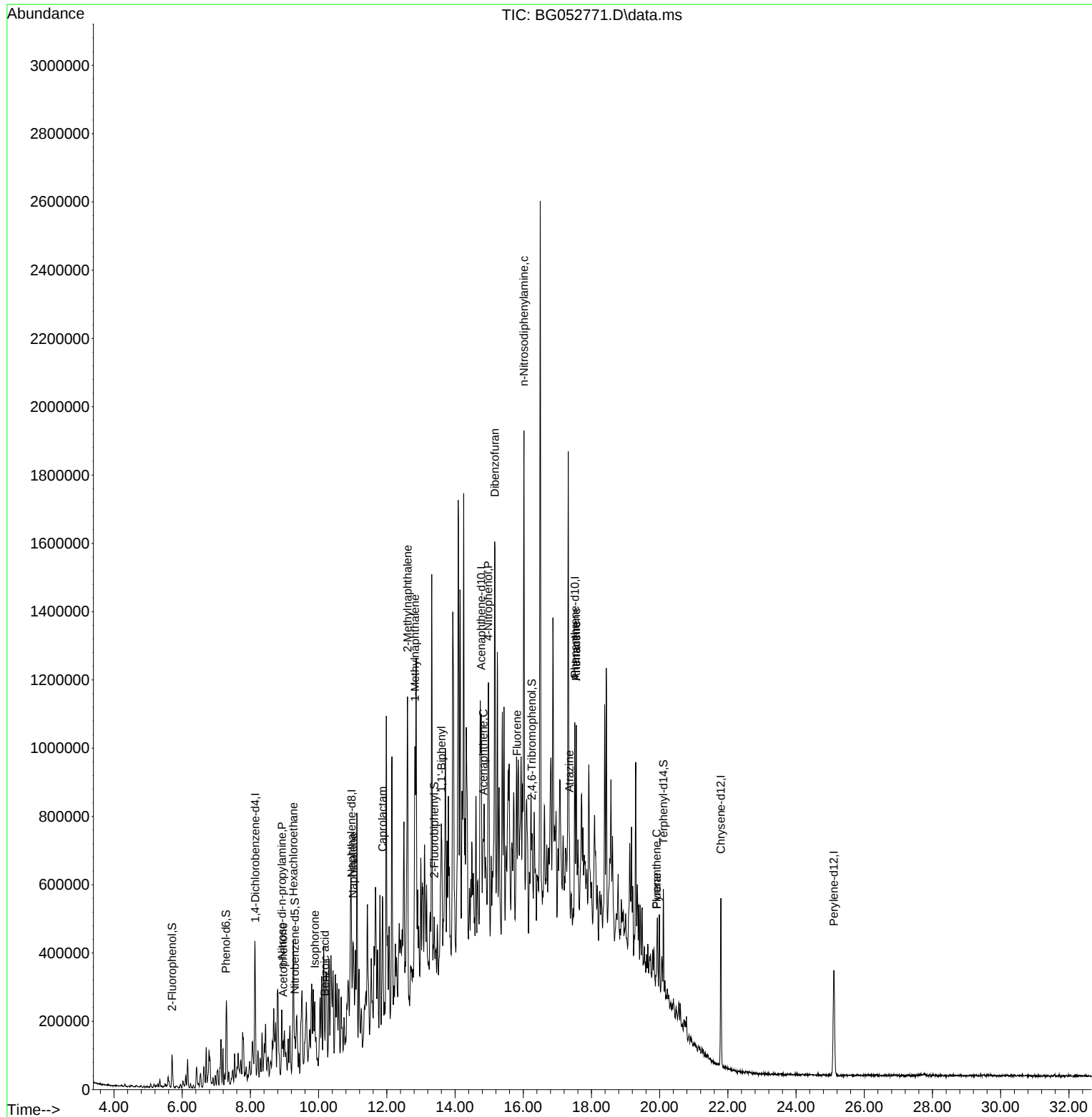
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.143	152	52372	20.000	ng	-0.02
21) Naphthalene-d8	10.962	136	197746	20.000	ng	#-0.01
39) Acenaphthene-d10	14.769	164	137284	20.000	ng	0.00
64) Phenanthrene-d10	17.512	188	275096	20.000	ng	0.00
76) Chrysene-d12	21.795	240	314474	20.000	ng	-0.02
86) Perylene-d12	25.108	264	356482	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.705	112	38849	12.918	ng	0.00
7) Phenol-d6	7.285	99	57339	12.647	ng	-0.01
23) Nitrobenzene-d5	9.306	82	46704	11.854	ng	-0.01
42) 2,4,6-Tribromophenol	16.249	330	17484	9.478	ng	-0.01
45) 2-Fluorobiphenyl	13.395	172	75065	8.064	ng	-0.01
79) Terphenyl-d14	20.109	244	125452	7.096	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.291	77	4555	Below Cal	#	1
18) Hexachloroethane	9.259	117	30085	21.451	ng	# 1
19) n-Nitroso-di-n-propyla...	8.924	70	7897	2.459	ng	# 72
22) Acetophenone	8.959	105	53034	10.364	ng	# 60
25) Isophorone	9.893	82	22787	2.987	ng	# 1
31) Naphthalene	11.009	128	96816	9.468	ng	# 93
32) Benzoic acid	10.187	122	2585	6.769	ng	# 46
35) Caprolactam	11.873	113	2635	3.062	ng	# 1
37) 2-Methylnaphthalene	12.607	142	407305	54.389	ng	# 95
38) 1-Methylnaphthalene	12.825	142	310509	42.485	ng	# 94
46) 1,1'-Biphenyl	13.606	154	100517	10.470	ng	97
52) Acenaphthene	14.828	154	30630	3.967	ng	# 88
55) Dibenzofuran	15.163	168	43672	3.463	ng	# 1
56) 4-Nitrophenol	14.975	139	36010	21.900	ng	# 39
58) Fluorene	15.815	166	100006	9.730	ng	# 89
66) n-Nitrosodiphenylamine	16.020	169	116685	15.066	ng	# 48
69) Atrazine	17.354	200	5861	2.052	ng	70
71) Phenanthrene	17.554	178	307933	20.924	ng	98
72) Anthracene	17.554	178	307933	21.166	ng	97
75) Fluoranthene	19.915	202	58599	3.137	ng	83
78) Pyrene	19.915	202	58470	2.680	ng	# 90

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

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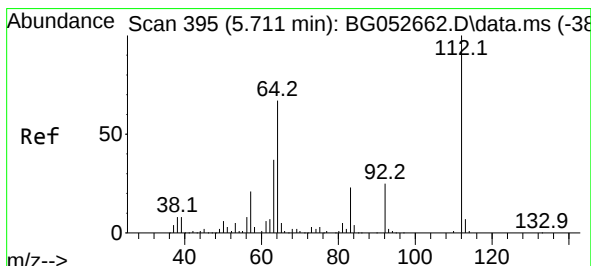
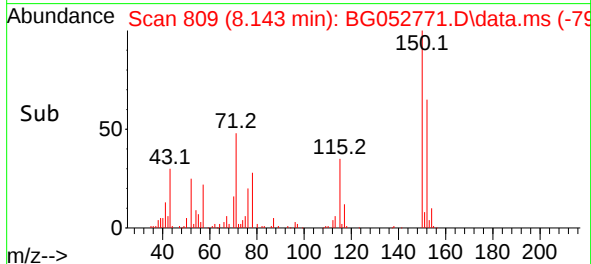
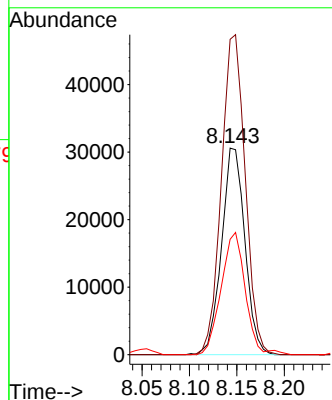
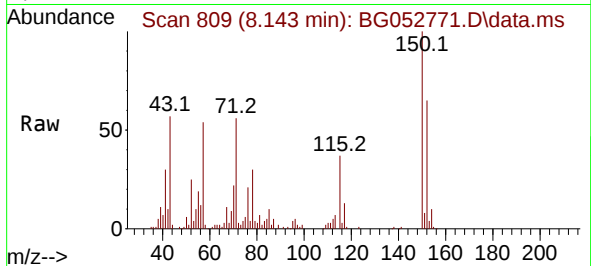




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.143 min Scan# 809
Delta R.T. -0.017 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

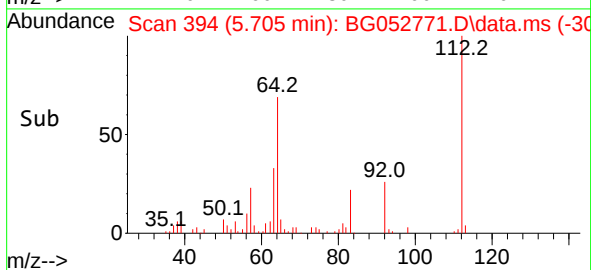
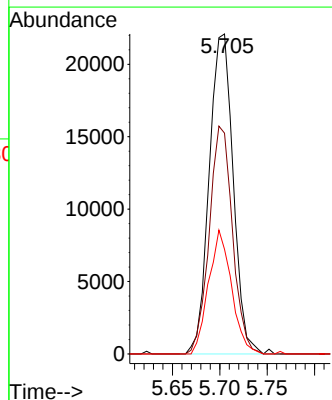
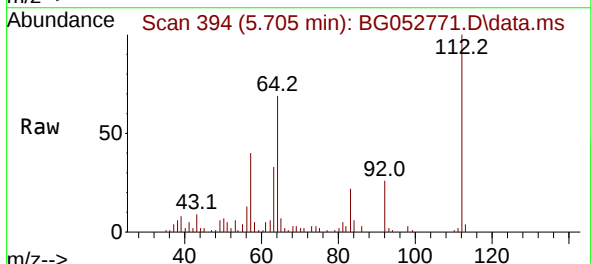
Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

Tgt Ion:152 Resp: 52372
Ion Ratio Lower Upper
152 100
150 152.7 114.6 172.0
115 55.9 45.9 68.9



#5
2-Fluorophenol
Concen: 12.918 ng
RT: 5.705 min Scan# 394
Delta R.T. -0.006 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion:112 Resp: 38849
Ion Ratio Lower Upper
112 100
64 69.0 48.0 72.0
63 32.7 26.5 39.7

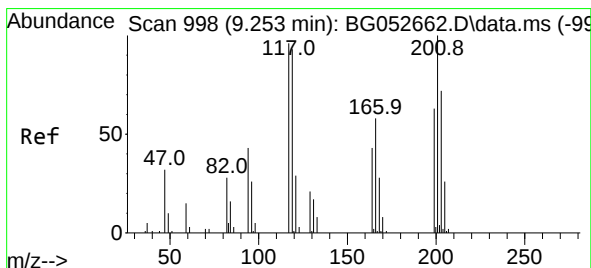
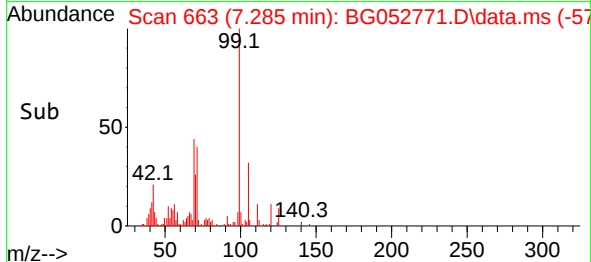
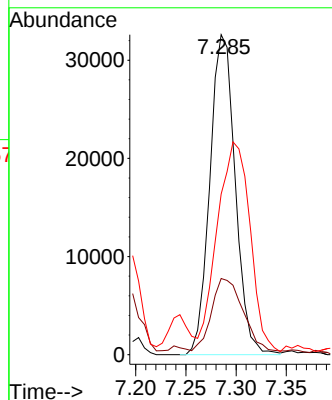
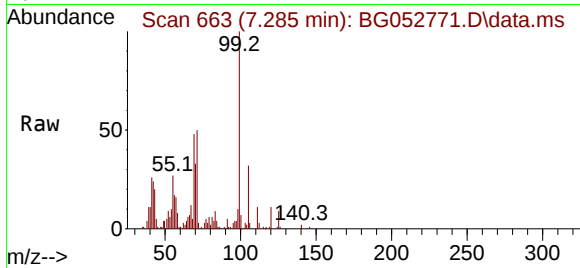




#7
Phenol-d6
Concen: 12.647 ng
RT: 7.285 min Scan# 60
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

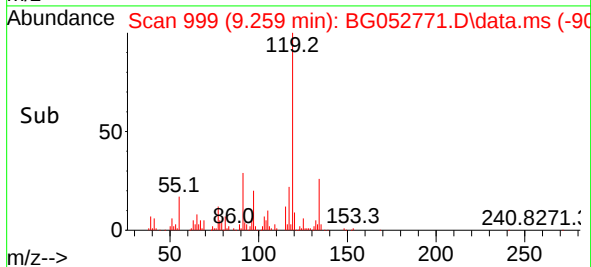
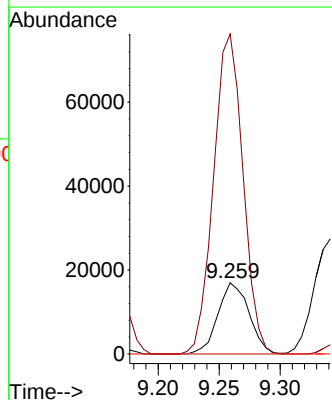
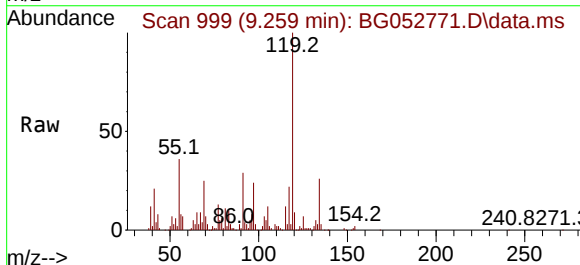
Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

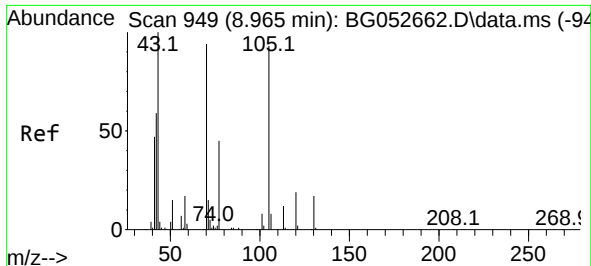
Tgt Ion: 99 Resp: 57339
Ion Ratio Lower Upper
99 100
42 23.8 14.7 22.1#
71 50.2 29.2 43.8#



#18
Hexachloroethane
Concen: 21.451 ng
RT: 9.259 min Scan# 999
Delta R.T. 0.006 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

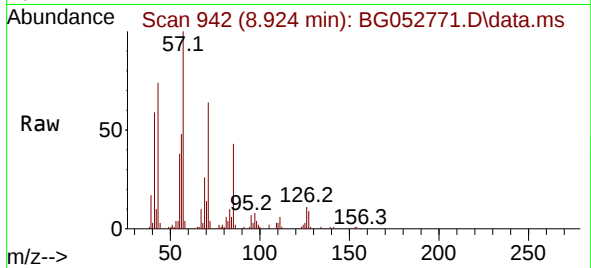
Tgt Ion: 117 Resp: 30085
Ion Ratio Lower Upper
117 100
119 449.2 75.1 112.7#
201 0.0 96.6 145.0#



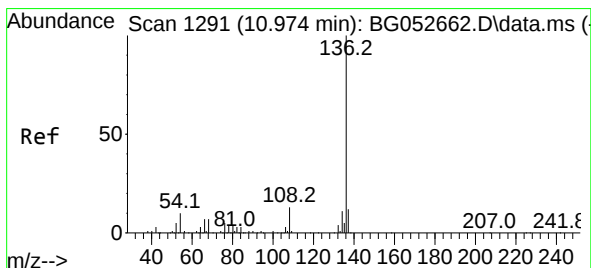
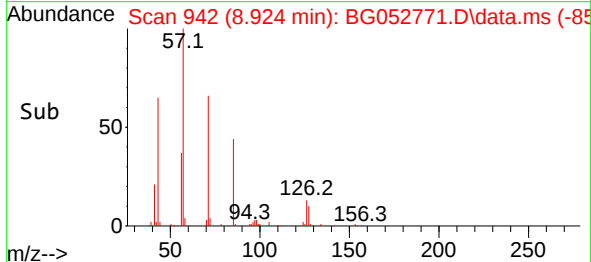
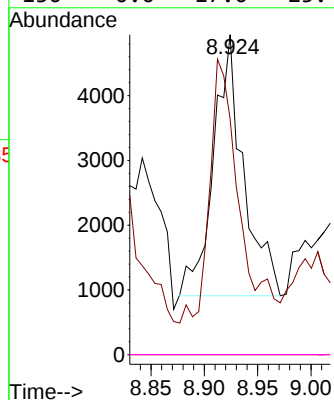


#19
n-Nitroso-di-n-propylamine
Concen: 2.459 ng
RT: 8.924 min Scan# 949
Delta R.T. -0.041 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

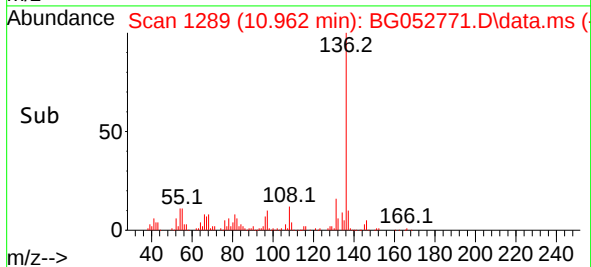
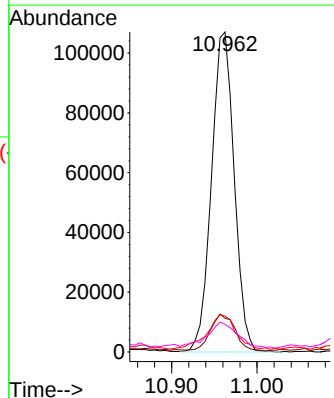
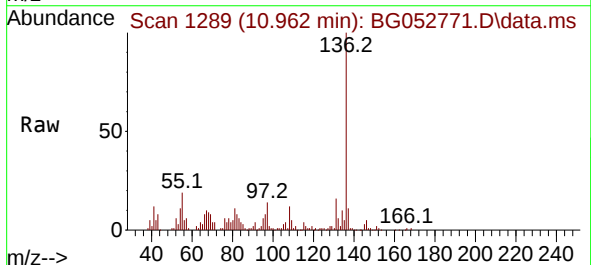


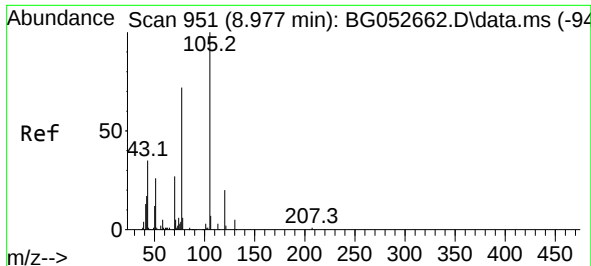
Tgt Ion: 70 Resp: 7897
Ion Ratio Lower Upper
70 100
42 73.7 46.0 69.0#
101 0.0 6.2 9.4#
130 0.0 17.0 25.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.962 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion: 136 Resp: 197746
Ion Ratio Lower Upper
136 100
137 10.6 9.4 14.2
54 11.2 6.4 9.6#
68 8.6 5.0 7.6#

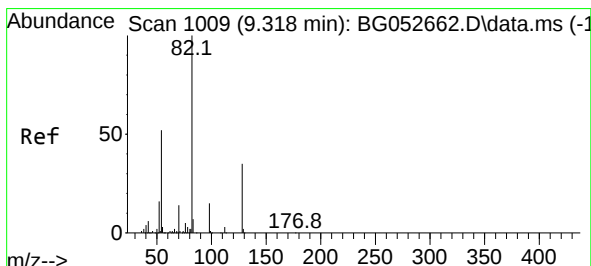
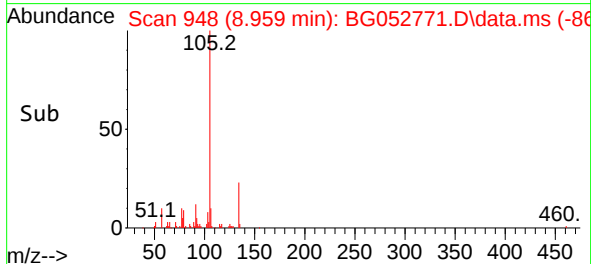
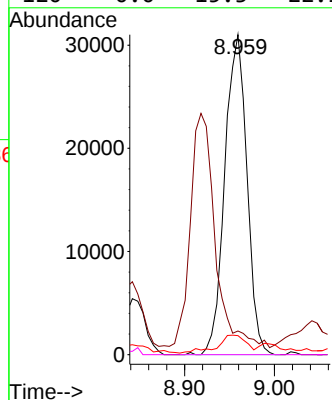
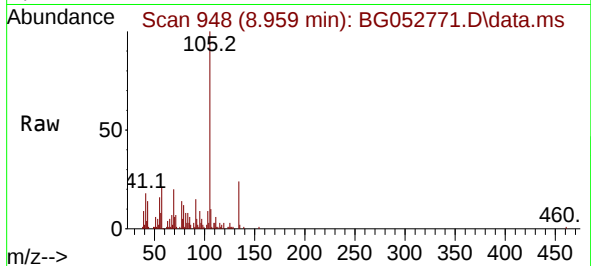




#22
Acetophenone
Concen: 10.364 ng
RT: 8.959 min Scan# 94
Delta R.T. -0.018 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

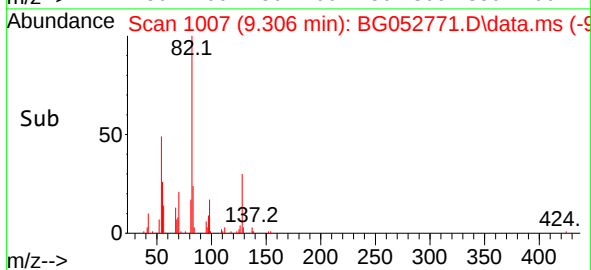
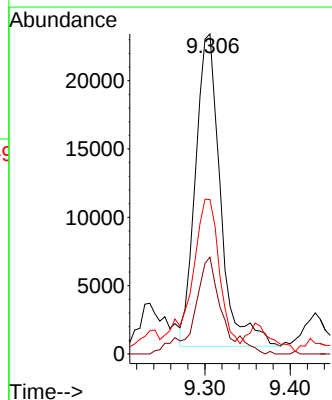
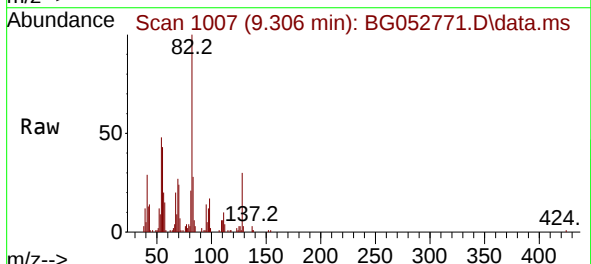
Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

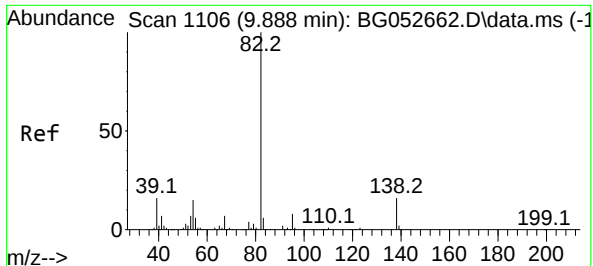
Tgt Ion:105 Resp: 53034
Ion Ratio Lower Upper
105 100
71 7.4 2.1 3.1#
51 6.0 21.9 32.9#
120 0.0 15.3 22.9#



#23
Nitrobenzene-d5
Concen: 11.854 ng
RT: 9.306 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion: 82 Resp: 46704
Ion Ratio Lower Upper
82 100
128 30.3 31.3 46.9#
54 48.2 37.8 56.8

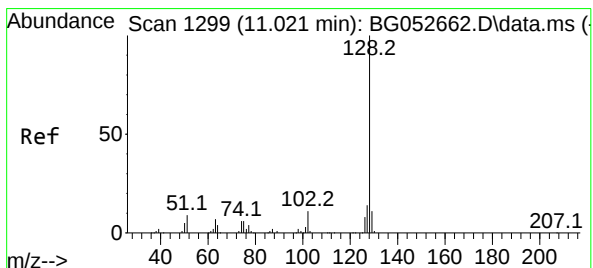
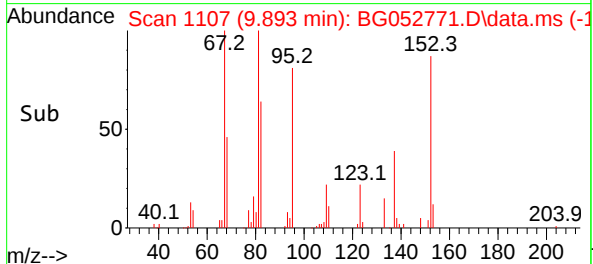
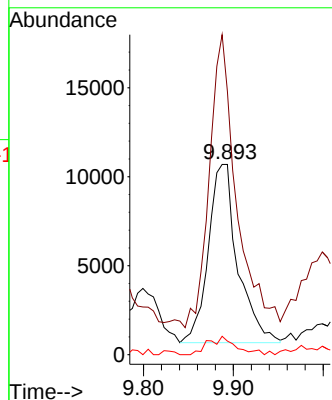
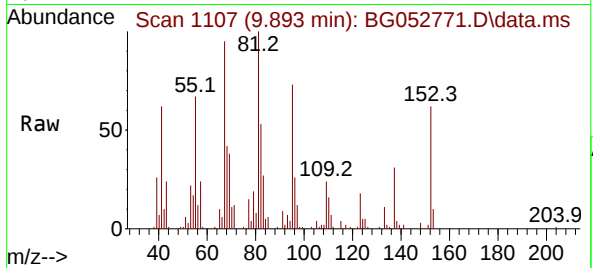




#25
Isophorone
Concen: 2.987 ng
RT: 9.893 min Scan# 1107
Delta R.T. 0.006 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

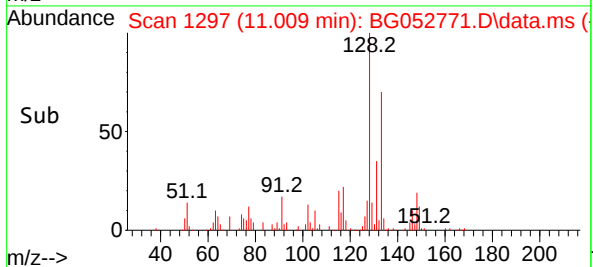
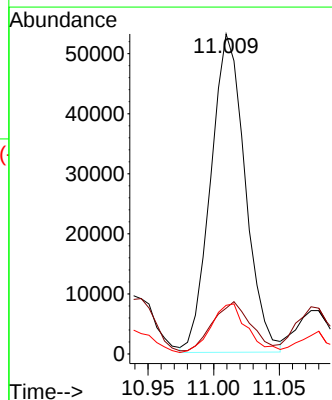
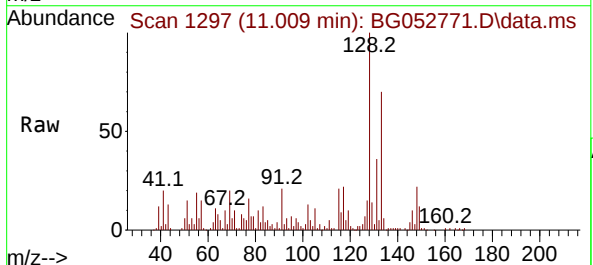
Instrument :
BNA_G
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PPSP-B17-23.5-24.0

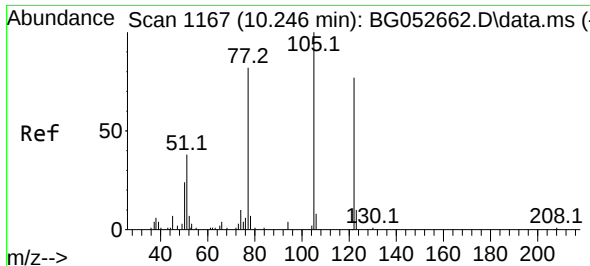
Tgt Ion: 82 Resp: 22787
Ion Ratio Lower Upper
82 100
95 138.4 5.8 8.6#
138 7.1 12.6 18.8#



#31
Naphthalene
Concen: 9.468 ng
RT: 11.009 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion: 128 Resp: 96816
Ion Ratio Lower Upper
128 100
129 14.3 8.8 13.2#
127 15.2 10.5 15.7

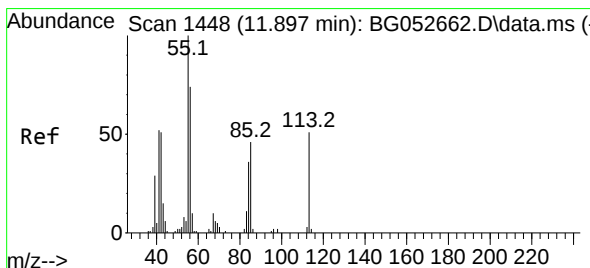
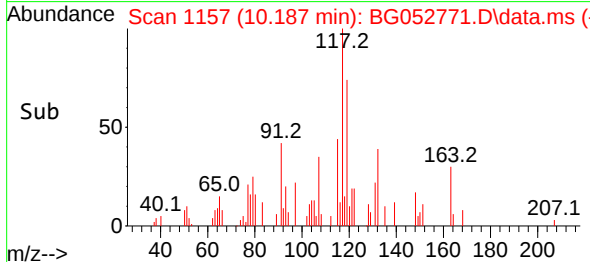
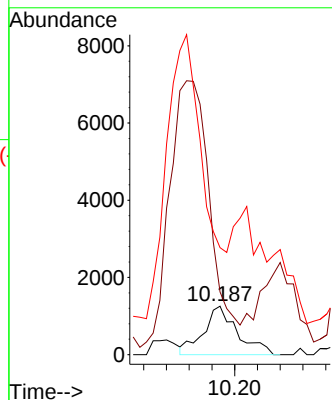
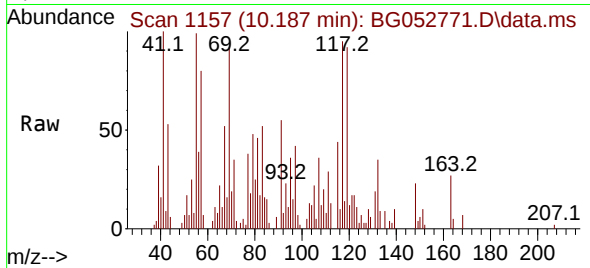




#32
Benzoic acid
Concen: 6.769 ng
RT: 10.187 min Scan# 1167
Delta R.T. -0.059 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

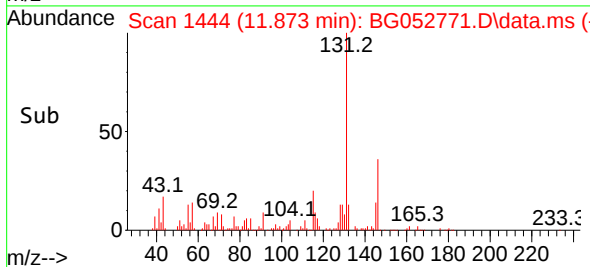
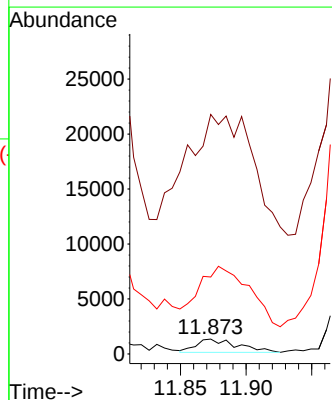
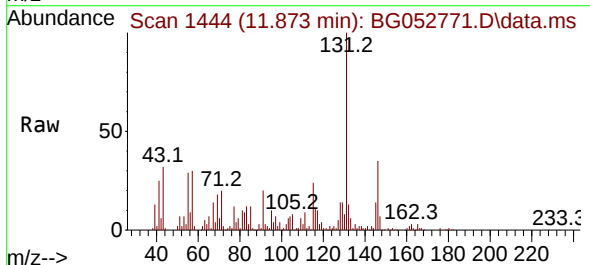
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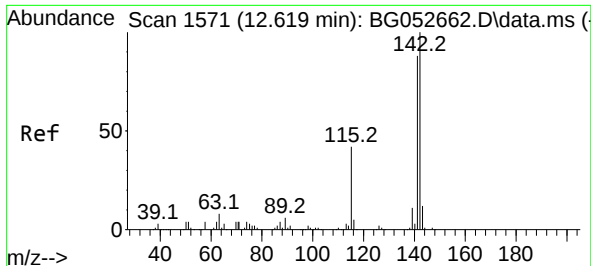
Tgt Ion:122 Resp: 2585
Ion Ratio Lower Upper
122 100
105 129.3 112.8 152.8
77 220.7 78.4 118.4#



#35
Caprolactam
Concen: 3.062 ng
RT: 11.873 min Scan# 1444
Delta R.T. -0.024 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion:113 Resp: 2635
Ion Ratio Lower Upper
113 100
55 1613.6 151.3 191.3#
56 518.9 128.5 168.5#





#37

2-Methylnaphthalene

Concen: 54.389 ng

RT: 12.607 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG052771.D

Acq: 21 Mar 2022 17:10

Instrument :

BNA_G

ClientSampleId :

PPSP-B17-23.5-24.0

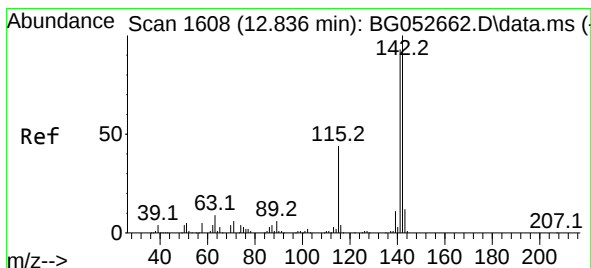
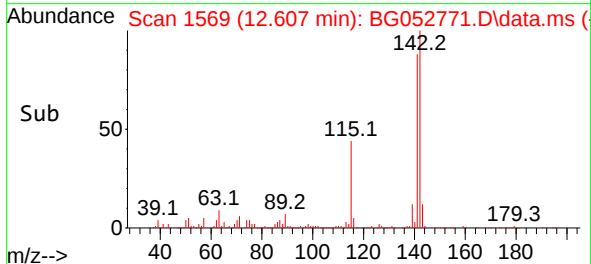
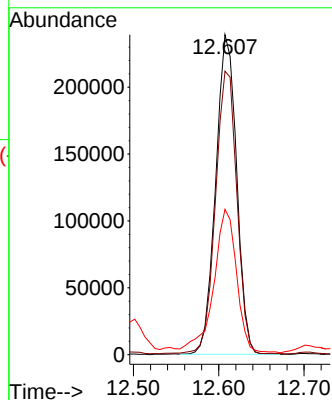
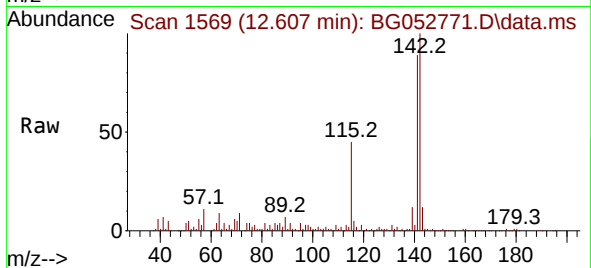
Tgt Ion:142 Resp: 407305

Ion Ratio Lower Upper

142 100

141 88.6 71.3 106.9

115 45.4 29.5 44.3#



#38

1-Methylnaphthalene

Concen: 42.485 ng

RT: 12.825 min Scan# 1606

Delta R.T. -0.012 min

Lab File: BG052771.D

Acq: 21 Mar 2022 17:10

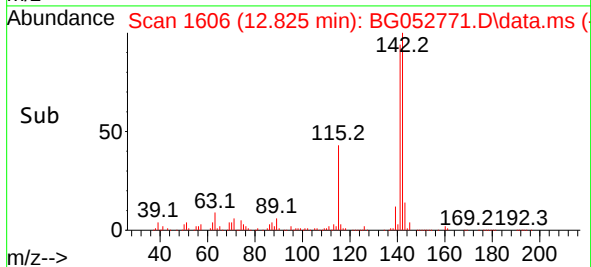
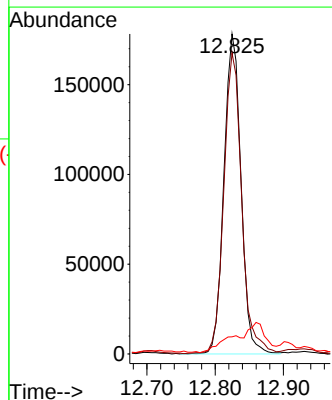
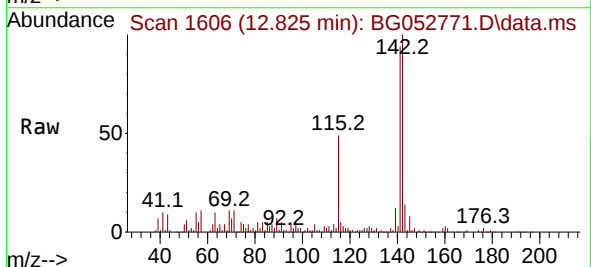
Tgt Ion:142 Resp: 310509

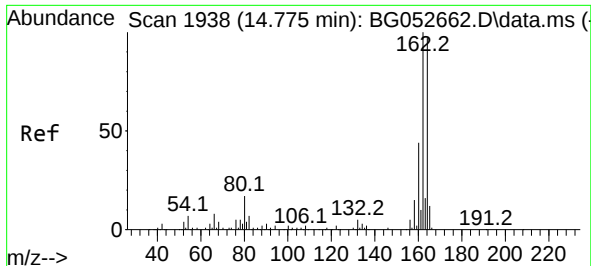
Ion Ratio Lower Upper

142 100

141 94.0 70.5 105.7

116 5.3 3.1 4.7#

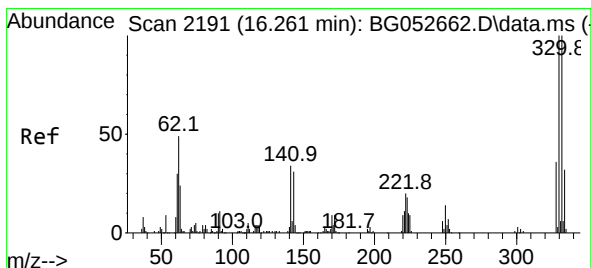
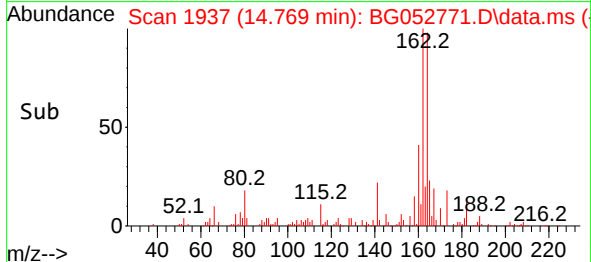
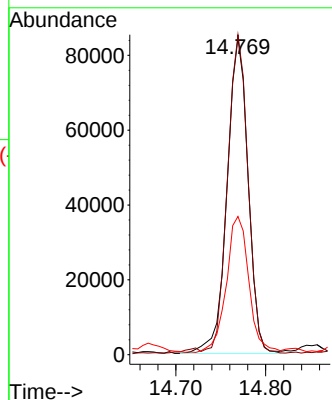
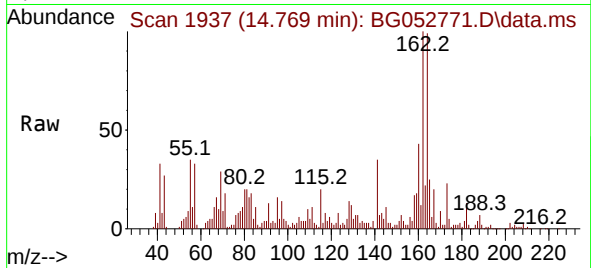




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.769 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

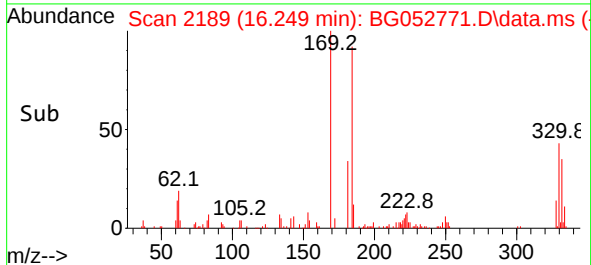
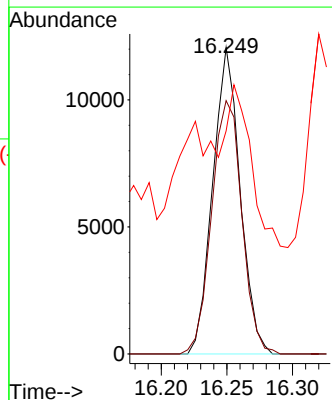
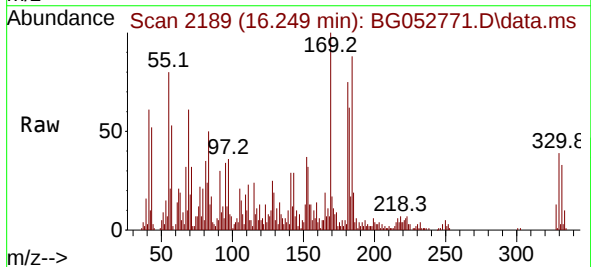
Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

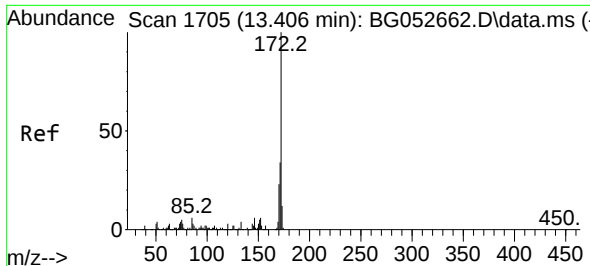
Tgt Ion:164 Resp: 137284
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 43.7 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 9.478 ng
RT: 16.249 min Scan# 2189
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion:330 Resp: 17484
Ion Ratio Lower Upper
330 100
332 91.3 75.8 113.6
141 48.0 24.6 36.8#

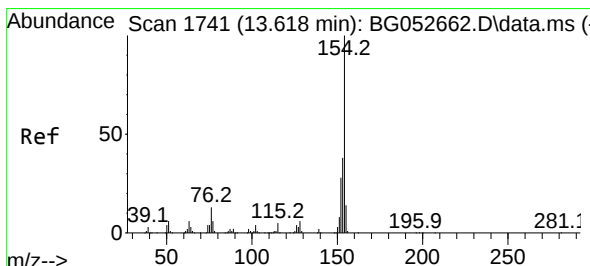
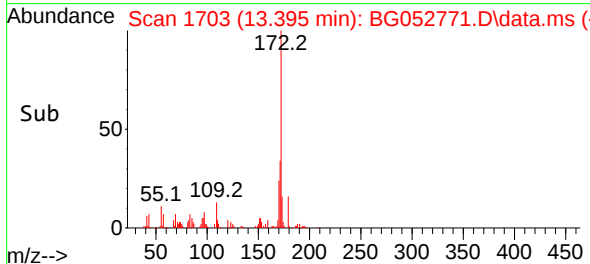
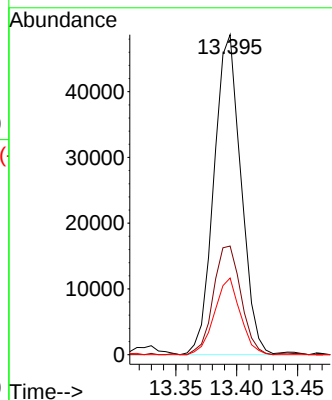
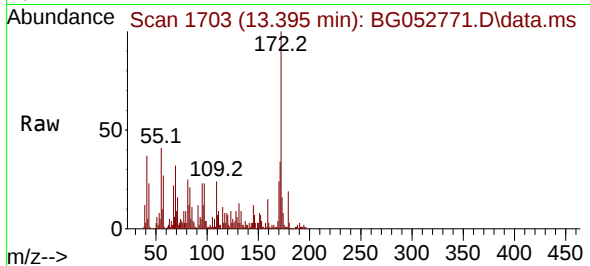




#45
2-Fluorobiphenyl
Concen: 8.064 ng
RT: 13.395 min Scan# 1739
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

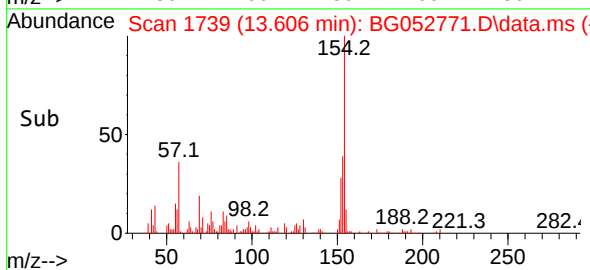
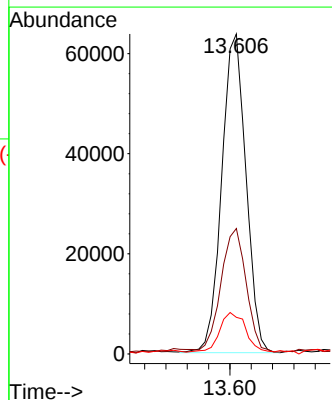
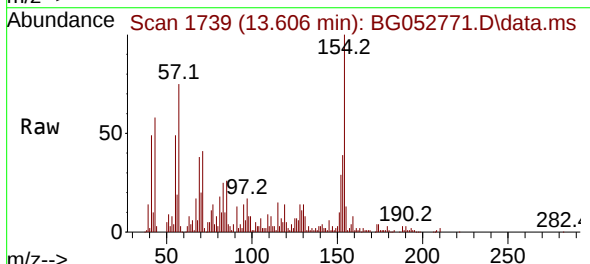
Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

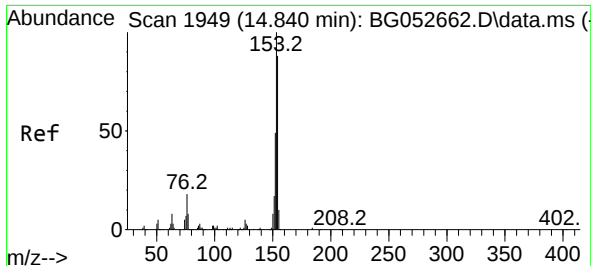
Tgt Ion:172 Resp: 75065
Ion Ratio Lower Upper
172 100
171 34.0 28.3 42.5
170 23.9 18.0 27.0



#46
1,1'-Biphenyl
Concen: 10.470 ng
RT: 13.606 min Scan# 1739
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion:154 Resp: 100517
Ion Ratio Lower Upper
154 100
153 39.2 21.6 61.6
76 11.5 0.0 31.5

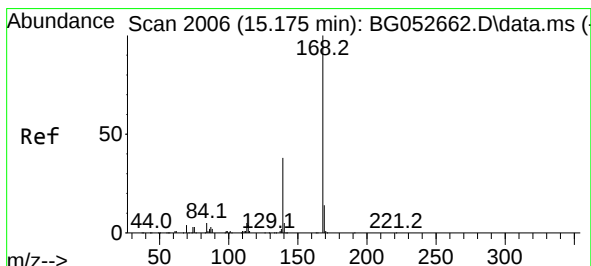
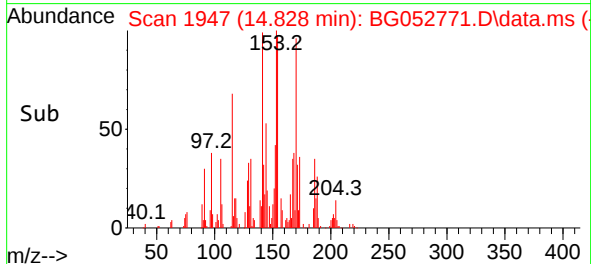
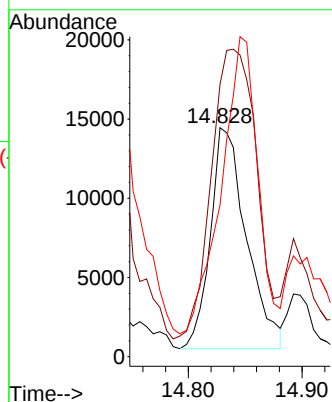
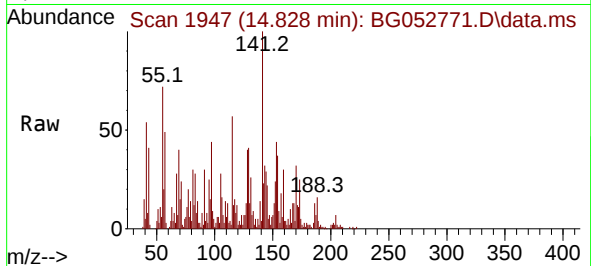




#52
Acenaphthene
Concen: 3.967 ng
RT: 14.828 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

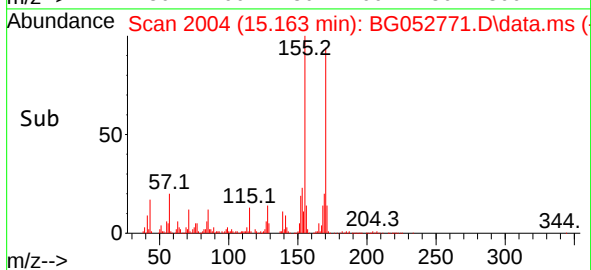
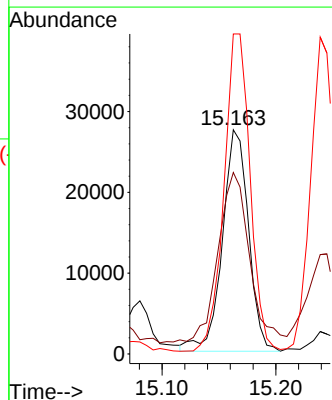
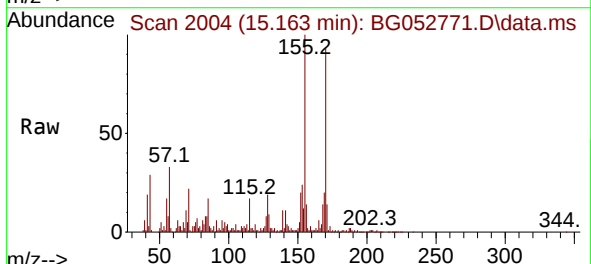
Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

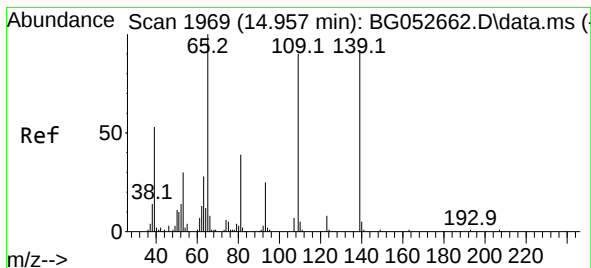
Tgt Ion:154 Resp: 30630
Ion Ratio Lower Upper
154 100
153 119.0 89.0 133.4
152 66.2 40.5 60.7#



#55
Dibenzofuran
Concen: 3.463 ng
RT: 15.163 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion:168 Resp: 43672
Ion Ratio Lower Upper
168 100
139 80.9 30.2 45.4#
169 142.7 10.7 16.1#

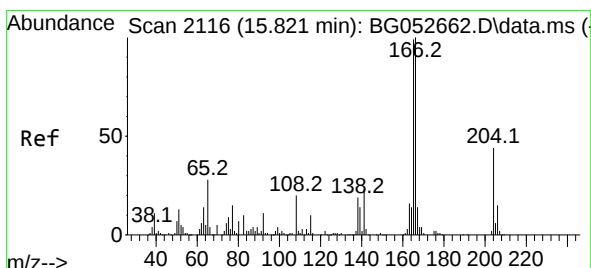
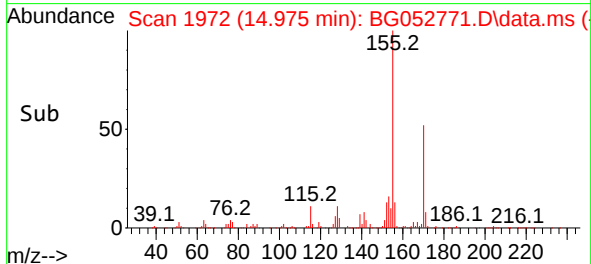
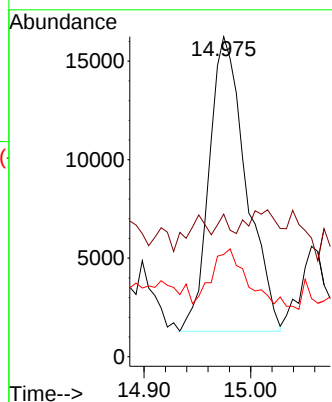
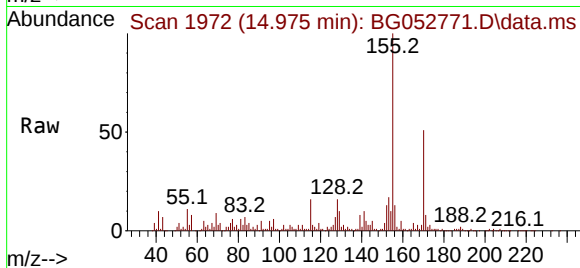




#56
4-Nitrophenol
Concen: 21.900 ng
RT: 14.975 min Scan# 1969
Delta R.T. 0.018 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

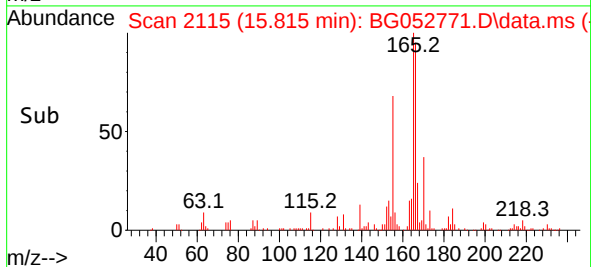
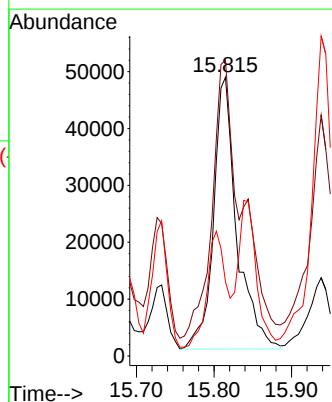
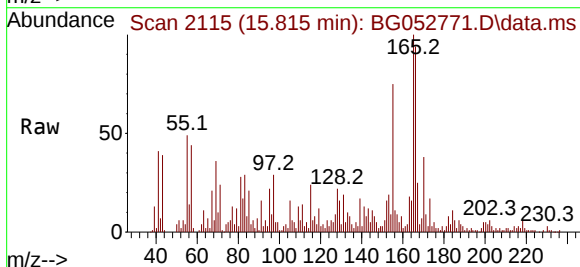
Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

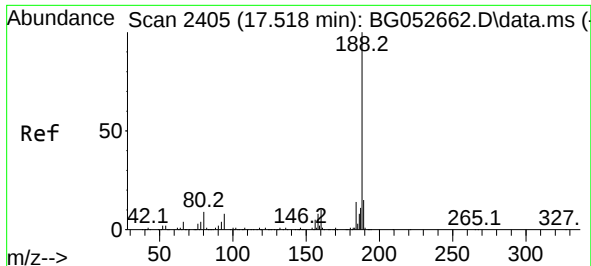
Tgt Ion:139 Resp: 36010
Ion Ratio Lower Upper
139 100
109 44.6 67.1 107.1#
65 32.0 88.2 128.2#



#58
Fluorene
Concen: 9.730 ng
RT: 15.815 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion:166 Resp: 100006
Ion Ratio Lower Upper
166 100
165 106.2 78.6 117.8
167 26.6 10.9 16.3#

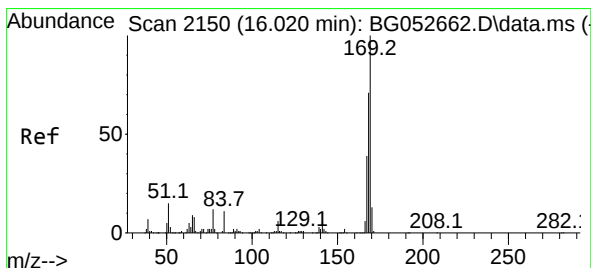
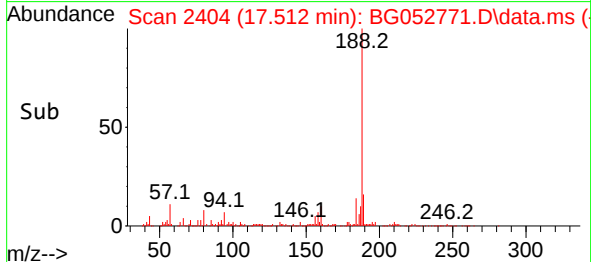
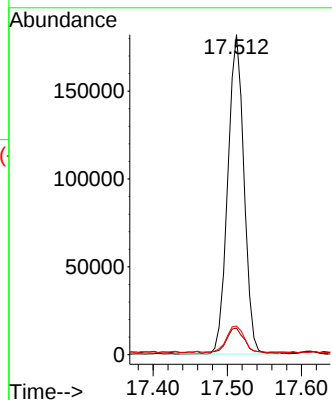
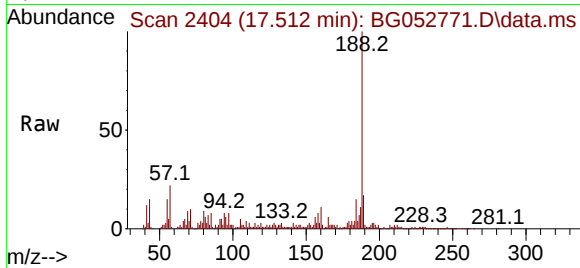




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.512 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

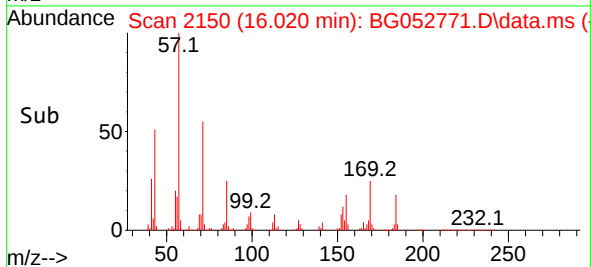
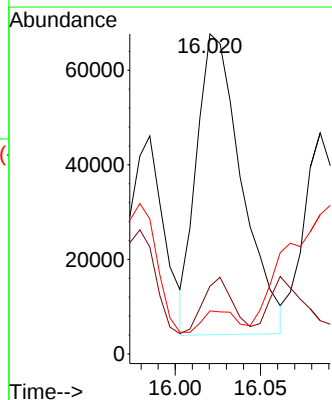
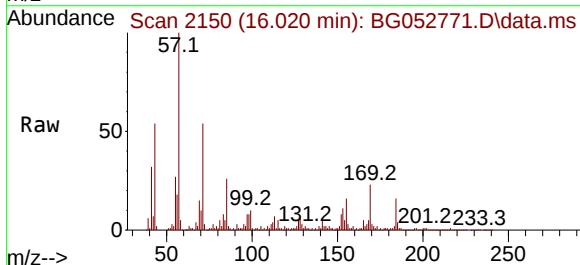
Instrument :
BNA_G
ClientSampleId :
PPSP-B17-23.5-24.0

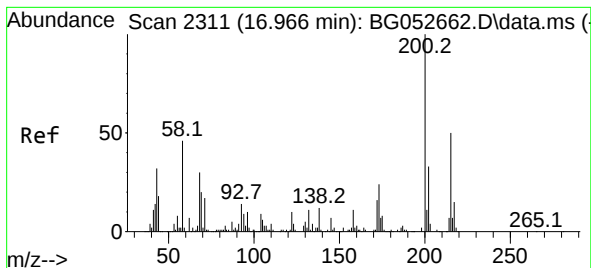
Tgt Ion:188 Resp: 275096
Ion Ratio Lower Upper
188 100
94 8.3 5.7 8.5
80 9.0 7.2 10.8



#66
n-Nitrosodiphenylamine
Concen: 15.066 ng
RT: 16.020 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BG052771.D
Acq: 21 Mar 2022 17:10

Tgt Ion:169 Resp: 116685
Ion Ratio Lower Upper
169 100
168 21.2 54.5 81.7#
167 13.5 29.6 44.4#





#69

Atrazine

Concen: 2.052 ng

RT: 17.354 min Scan# 21

Delta R.T. 0.388 min

Lab File: BG052771.D

Acq: 21 Mar 2022 17:10

Instrument :

BNA_G

ClientSampleId :

PPSP-B17-23.5-24.0

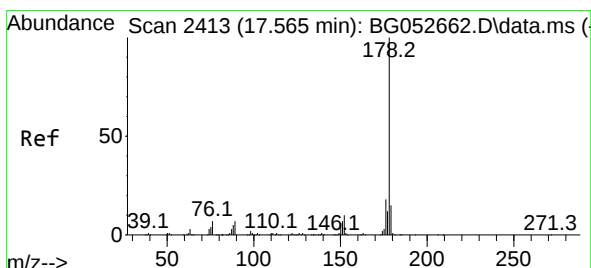
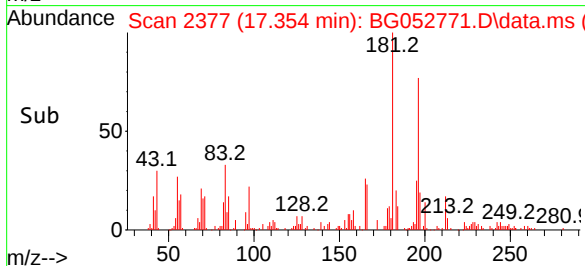
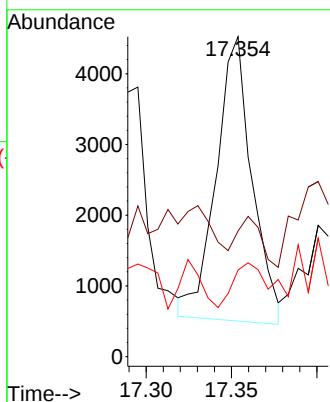
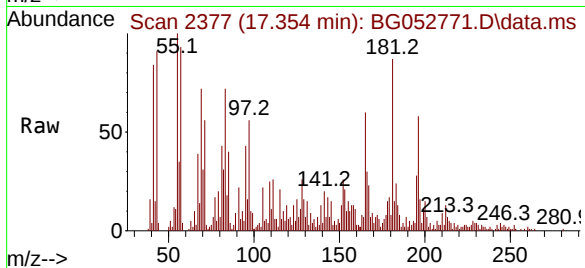
Tgt Ion:200 Resp: 5861

Ion Ratio Lower Upper

200 100

173 39.3 3.8 43.8

215 27.1 26.3 66.3



#71

Phenanthrene

Concen: 20.924 ng

RT: 17.554 min Scan# 2411

Delta R.T. -0.012 min

Lab File: BG052771.D

Acq: 21 Mar 2022 17:10

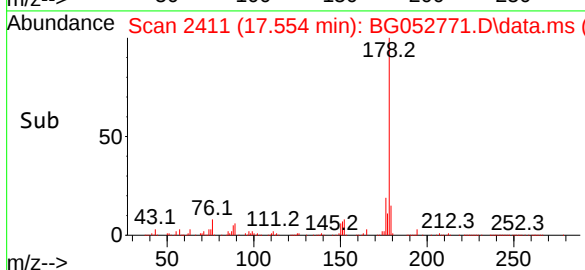
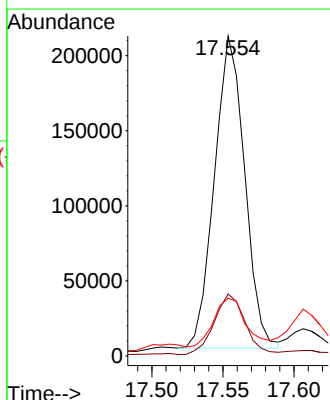
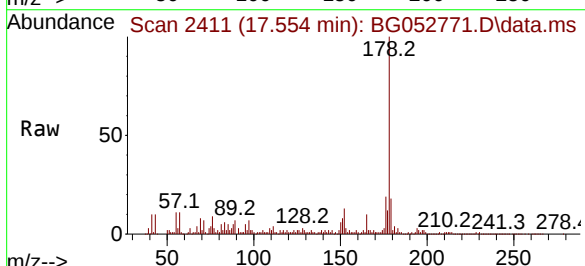
Tgt Ion:178 Resp: 307933

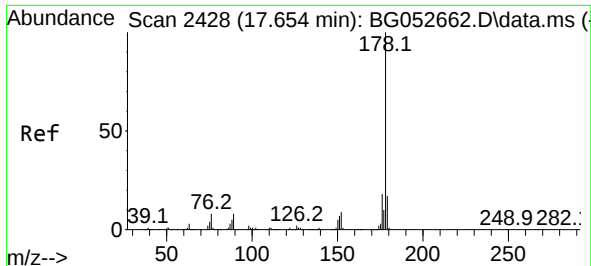
Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

179 18.0 13.4 20.2

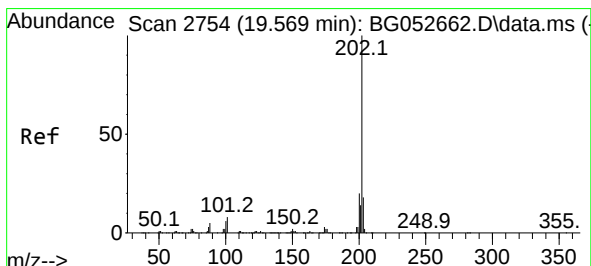
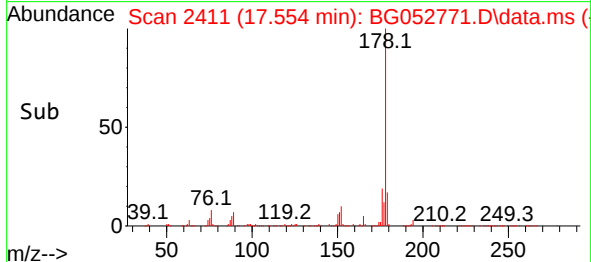
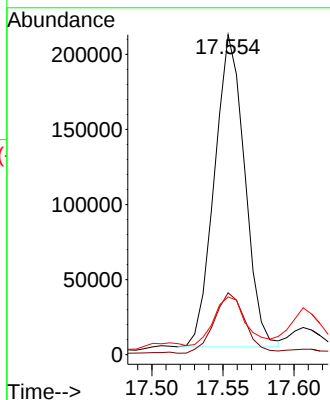
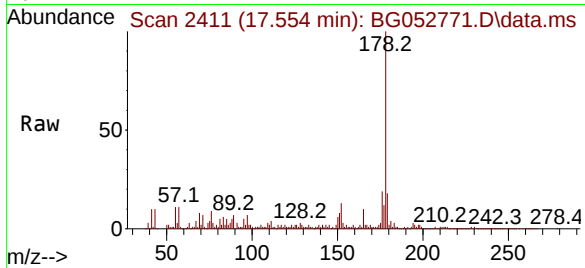




#72
 Anthracene
 Concen: 21.166 ng
 RT: 17.554 min Scan# 2411
 Delta R.T. -0.100 min
 Lab File: BG052771.D
 Acq: 21 Mar 2022 17:10

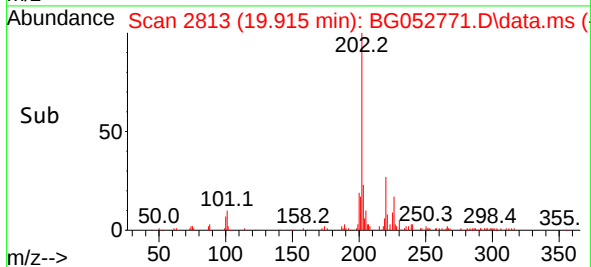
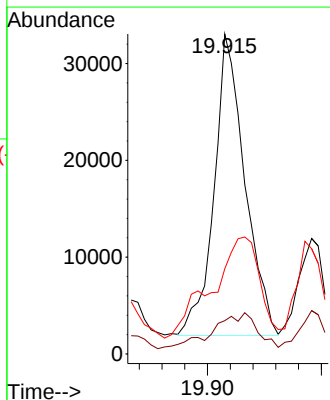
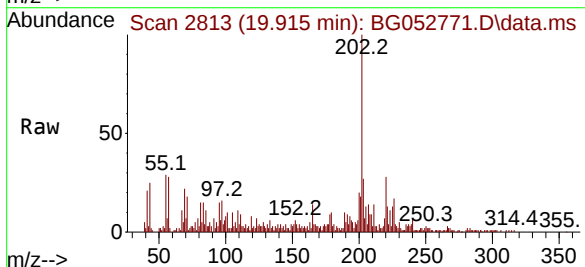
Instrument :
 BNA_G
 ClientSampleId :
 PPSP-B17-23.5-24.0

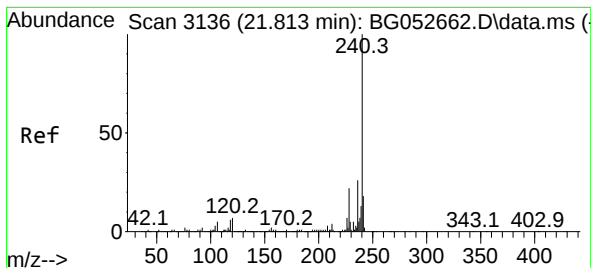
Tgt Ion:178 Resp: 307933
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.7 22.1
 179 18.0 13.2 19.8



#75
 Fluoranthene
 Concen: 3.137 ng
 RT: 19.915 min Scan# 2813
 Delta R.T. 0.347 min
 Lab File: BG052771.D
 Acq: 21 Mar 2022 17:10

Tgt Ion:202 Resp: 58599
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 27.3
 203 26.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.795 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG052771.D

Acq: 21 Mar 2022 17:10

Instrument :

BNA_G

ClientSampleId :

PPSP-B17-23.5-24.0

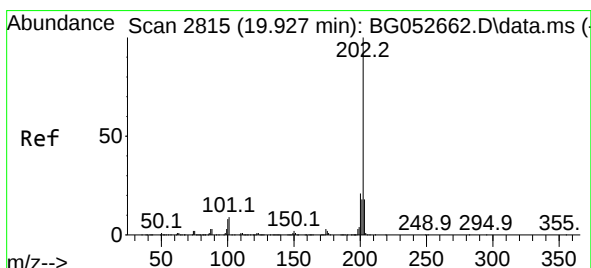
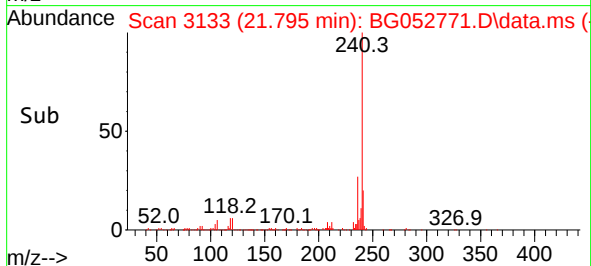
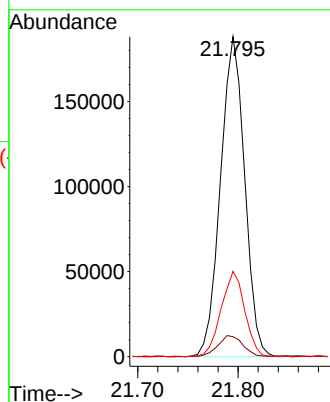
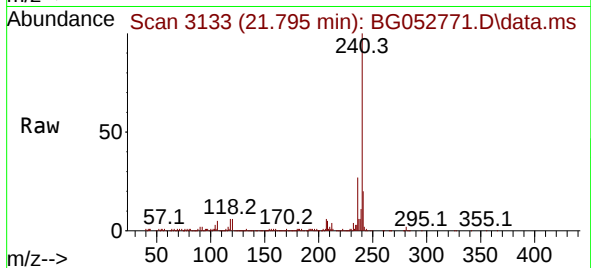
Tgt Ion:240 Resp: 314474

Ion Ratio Lower Upper

240 100

120 6.2 5.4 8.0

236 26.6 19.8 29.6



#78

Pyrene

Concen: 2.680 ng

RT: 19.915 min Scan# 2813

Delta R.T. -0.012 min

Lab File: BG052771.D

Acq: 21 Mar 2022 17:10

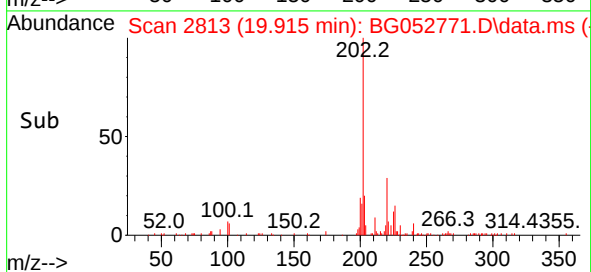
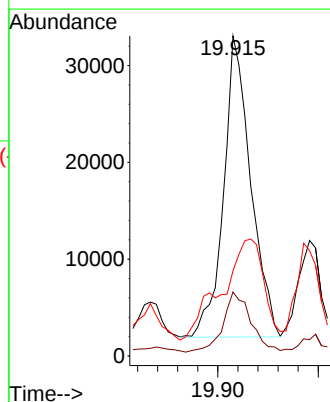
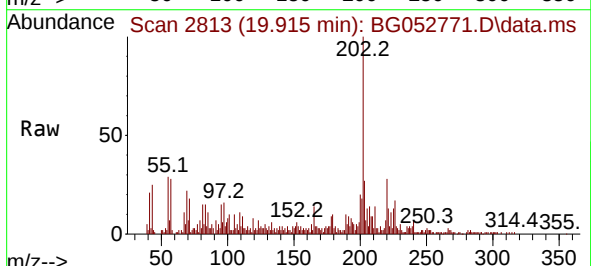
Tgt Ion:202 Resp: 58470

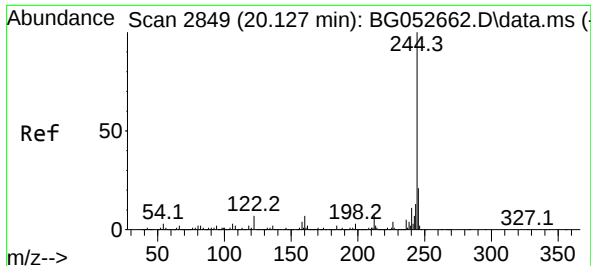
Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

203 26.6 15.0 22.6#

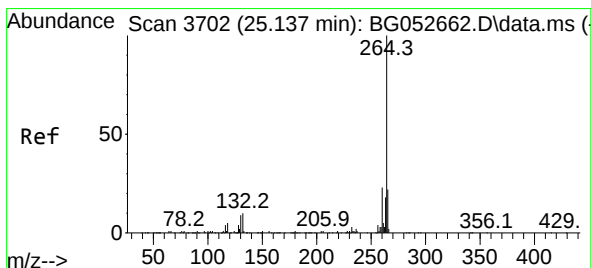
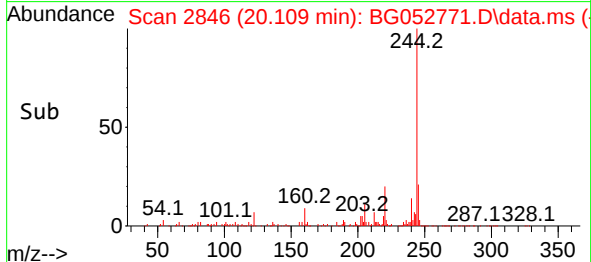
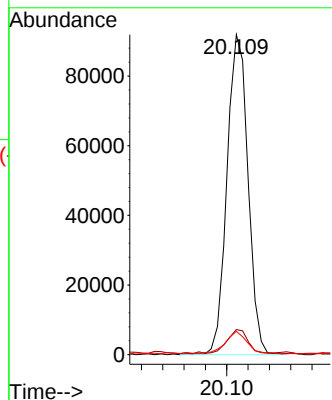
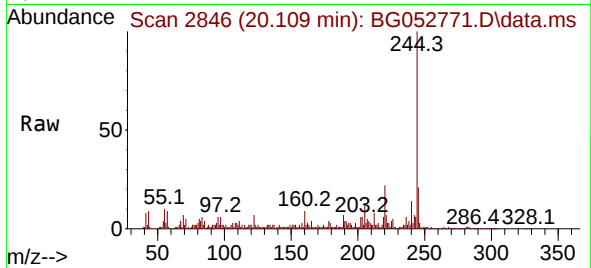




#79
 Terphenyl-d14
 Concen: 7.096 ng
 RT: 20.109 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BG052771.D
 Acq: 21 Mar 2022 17:10

Instrument :
 BNA_G
 ClientSampleId :
 PPSP-B17-23.5-24.0

Tgt Ion:244 Resp: 125452
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.4 8.2
 122 7.3 5.8 8.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.108 min Scan# 3697
 Delta R.T. -0.029 min
 Lab File: BG052771.D
 Acq: 21 Mar 2022 17:10

Tgt Ion:264 Resp: 356482
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.2 27.2
 265 22.0 15.1 22.7

