

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
 Data File : BG049876.D
 Acq On : 17 Aug 2021 13:46
 Operator : CG/JU
 Sample : M3408-05DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 32SDL

Quant Time: Aug 17 14:32:15 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

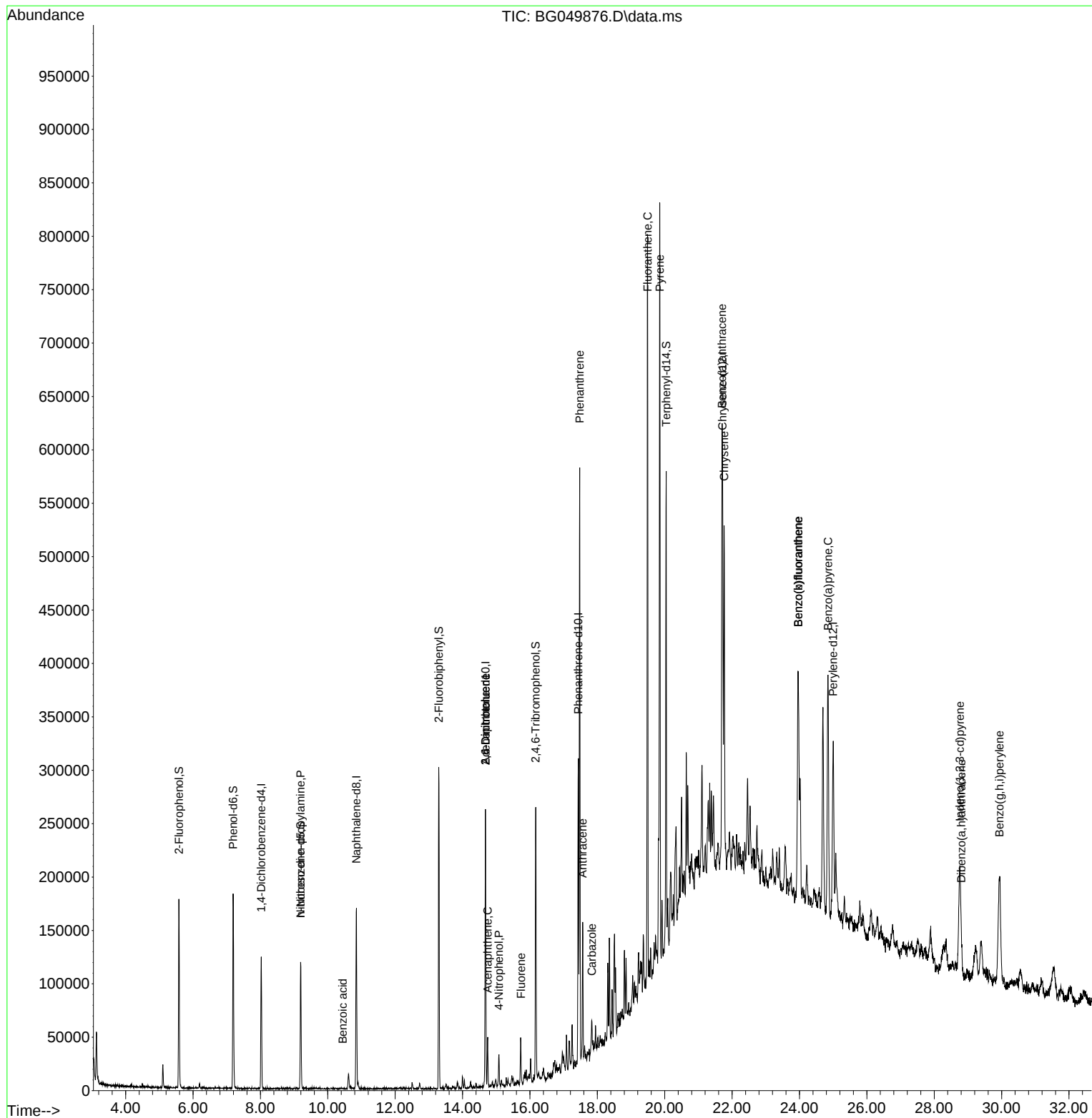
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.024	152	34667	20.000	ng	# 0.00
21) Naphthalene-d8	10.850	136	138072	20.000	ng	# 0.00
39) Acenaphthene-d10	14.680	164	92478	20.000	ng	0.00
64) Phenanthrene-d10	17.435	188	171120	20.000	ng	# 0.00
76) Chrysene-d12	21.718	240	154357	20.000	ng	0.00
86) Perylene-d12	25.001	264	163566	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	72487	37.483	ng	0.00
7) Phenol-d6	7.190	99	103037	35.197	ng	0.00
23) Nitrobenzene-d5	9.193	82	74340	23.825	ng	0.00
42) 2,4,6-Tribromophenol	16.172	330	48010	35.320	ng	0.00
45) 2-Fluorobiphenyl	13.294	172	157057	24.712	ng	0.00
79) Terphenyl-d14	20.043	244	205066	24.129	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.193	70	10865	5.546	ng	# 75
32) Benzoic acid	10.445	122	59	4.987	ng	# 1
51) 2,6-Dinitrotoluene	14.680	165	12852	8.366	ng	# 11
52) Acenaphthene	14.745	154	16955	3.376	ng	97
56) 4-Nitrophenol	15.079	139	6653	6.079	ng	# 1
57) 2,4-Dinitrotoluene	14.680	165	12852	5.956	ng	# 16
58) Fluorene	15.731	166	15561	2.350	ng	99
71) Phenanthrene	17.476	178	342460	38.039	ng	97
72) Anthracene	17.564	178	81964	9.270	ng	96
73) Carbazole	17.835	167	17966	2.145	ng	# 86
75) Fluoranthene	19.491	202	444679	40.139	ng	99
78) Pyrene	19.855	202	496041	47.138	ng	98
81) Benzo(a)anthracene	21.700	228	228046	22.686	ng	97
83) Chrysene	21.765	228	229979	23.933	ng	94
87) Indeno(1,2,3-cd)pyrene	28.761	276	184170	15.613	ng	# 96
88) Benzo(b)fluoranthene	23.962	252	292054	27.225	ng	# 98
89) Benzo(k)fluoranthene	23.962	252	292054	29.187	ng	# 96
90) Benzo(a)pyrene	24.849	252	266294	27.430	ng	95
91) Dibenzo(a,h)anthracene	28.802	278	52407	5.272	ng	# 82
92) Benzo(g,h,i)perylene	29.936	276	235024	24.134	ng	# 99

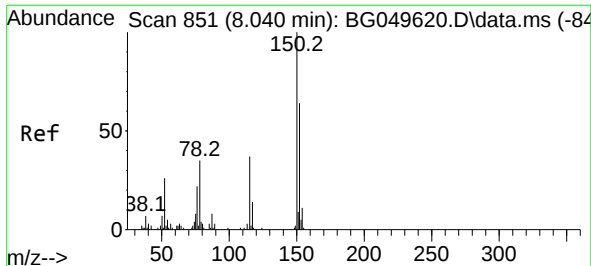
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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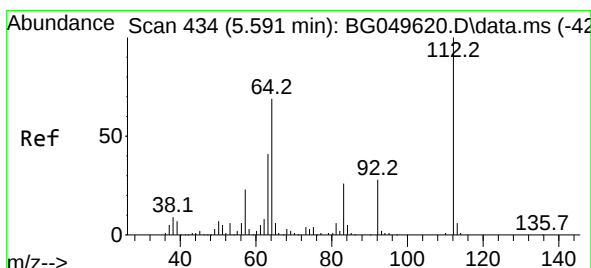
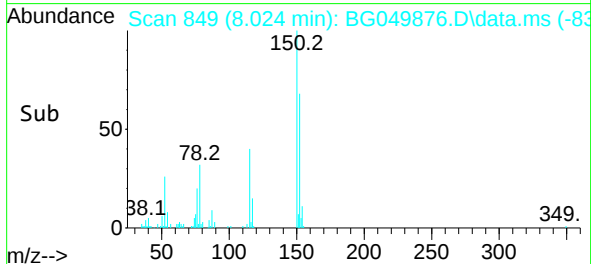
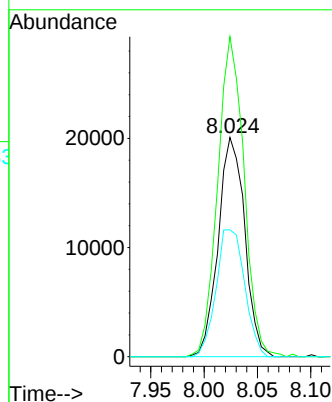
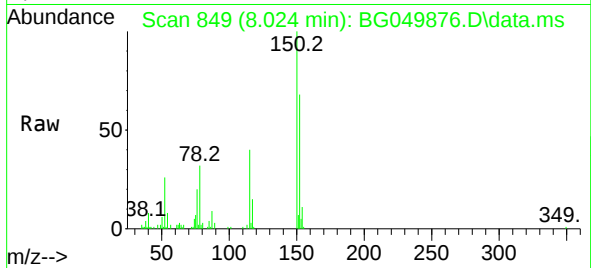




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.024 min Scan# 849
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

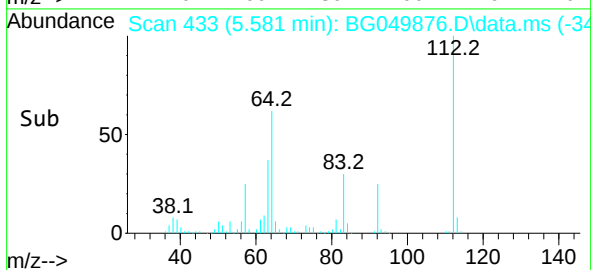
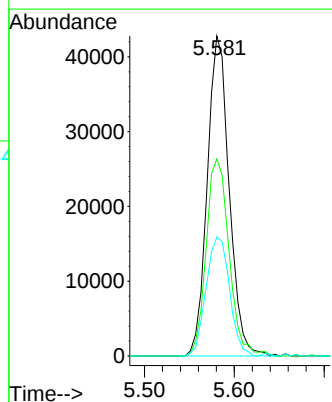
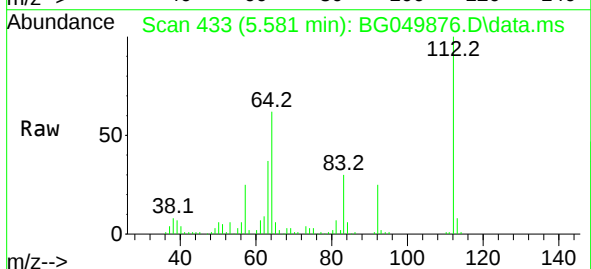
Instrument :
BNA_G
ClientSampleId :
32SDL

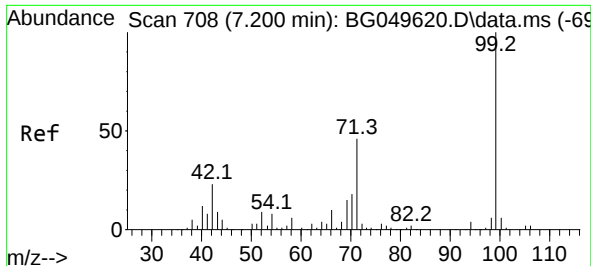
Tgt Ion:152 Resp: 34667
Ion Ratio Lower Upper
152 100
150 146.0 119.4 179.0
115 57.9 60.2 90.4#



#5
2-Fluorophenol
Concen: 37.483 ng
RT: 5.581 min Scan# 433
Delta R.T. 0.002 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:112 Resp: 72487
Ion Ratio Lower Upper
112 100
64 61.6 46.7 70.1
63 37.2 35.3 52.9

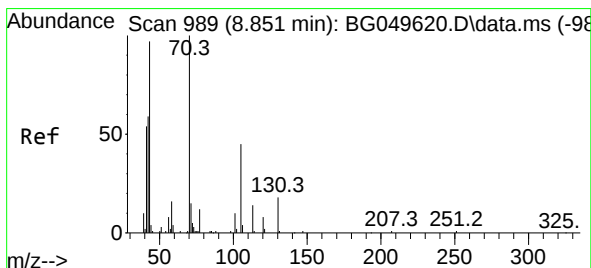
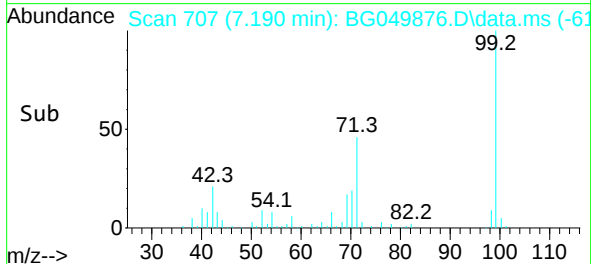
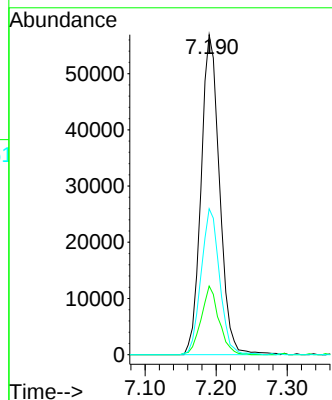
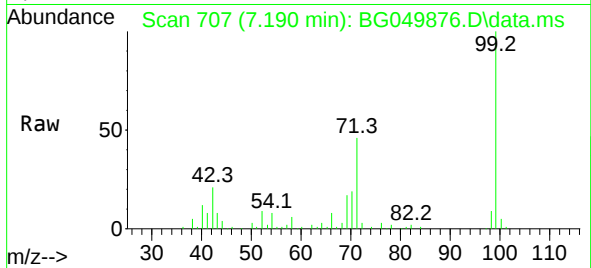




#7
Phenol-d6
Concen: 35.197 ng
RT: 7.190 min Scan# 707
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

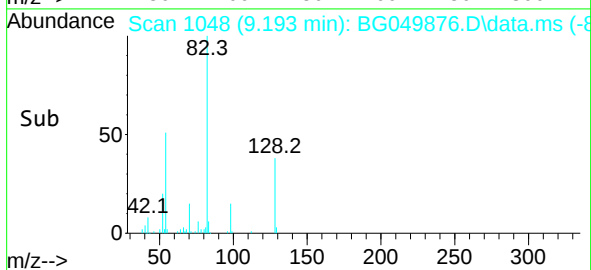
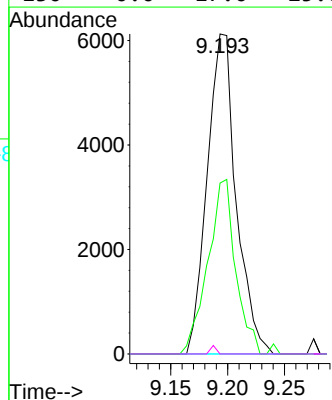
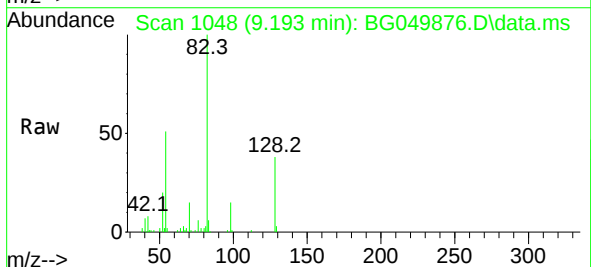
Instrument :
BNA_G
ClientSampleId :
32SDL

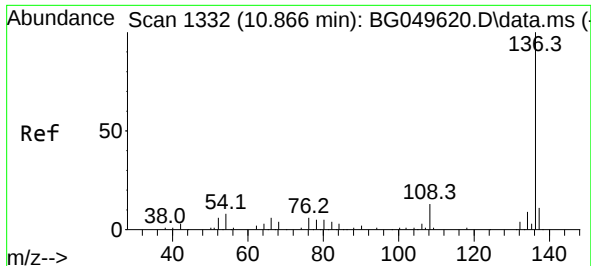
Tgt Ion: 99 Resp: 103037
Ion Ratio Lower Upper
99 100
42 21.4 20.5 30.7
71 45.6 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.546 ng
RT: 9.193 min Scan# 1048
Delta R.T. 0.355 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

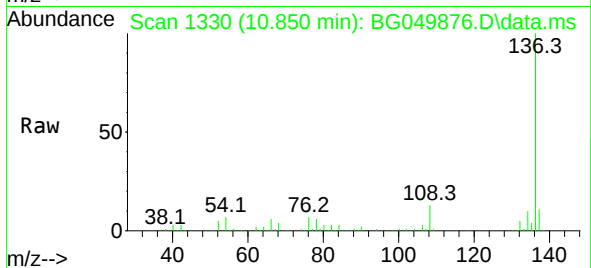
Tgt Ion: 70 Resp: 10865
Ion Ratio Lower Upper
70 100
42 53.4 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#



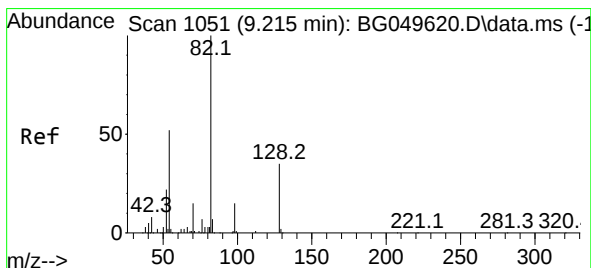
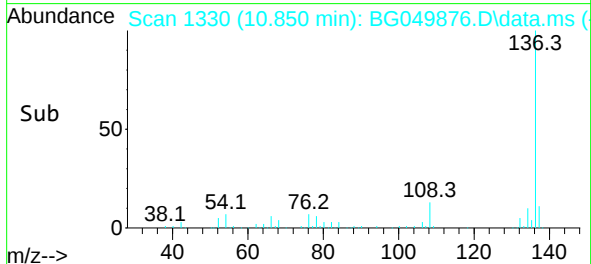
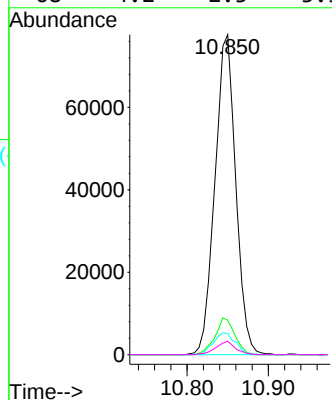


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.850 min Scan# 1330
Delta R.T. 0.002 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Instrument :
BNA_G
ClientSampleId :
32SDL

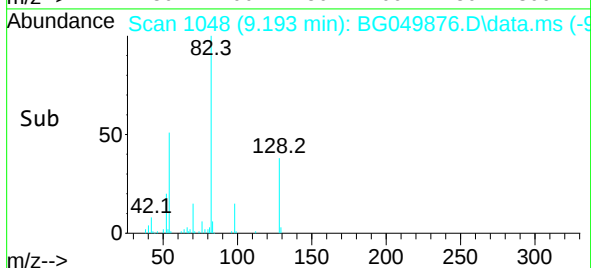
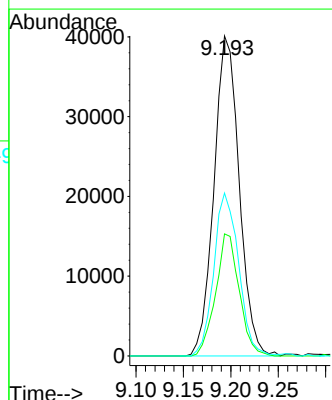
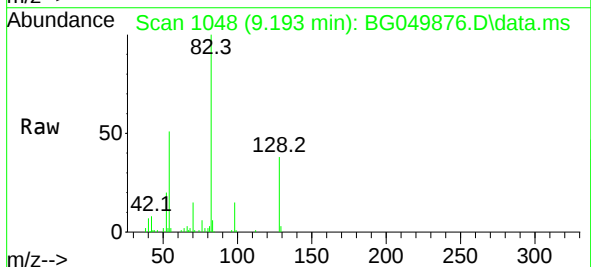


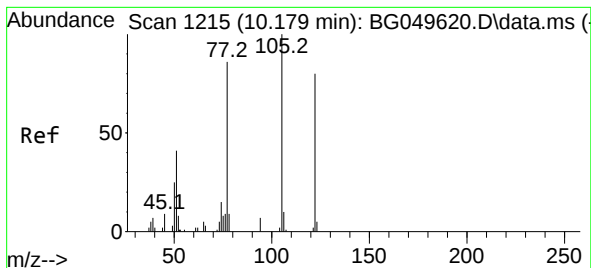
Tgt Ion:136 Resp: 138072
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.2
54 6.6 5.5 8.3
68 4.2 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 23.825 ng
RT: 9.193 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion: 82 Resp: 74340
Ion Ratio Lower Upper
82 100
128 38.2 29.8 44.6
54 50.9 45.8 68.8

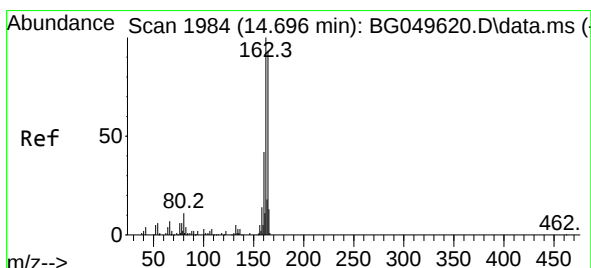
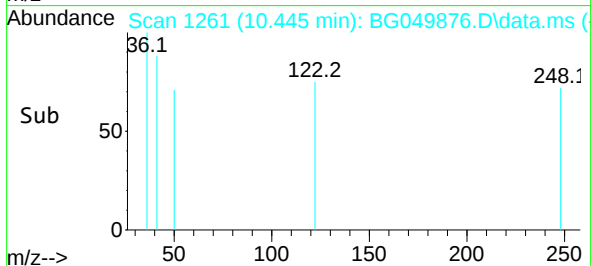
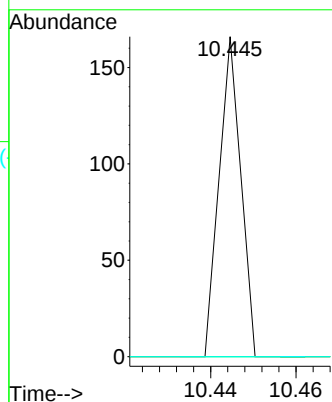
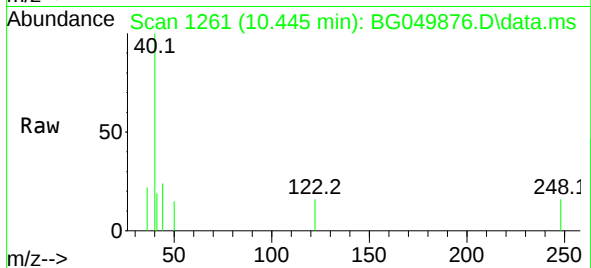




#32
Benzoic acid
Concen: 4.987 ng
RT: 10.445 min Scan# 1261
Delta R.T. 0.278 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

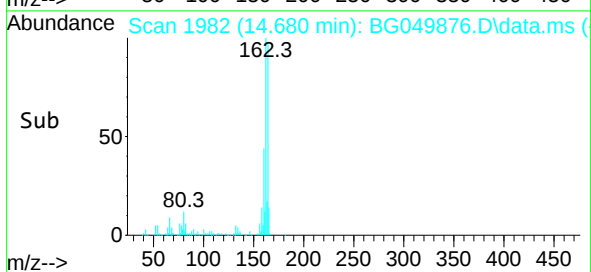
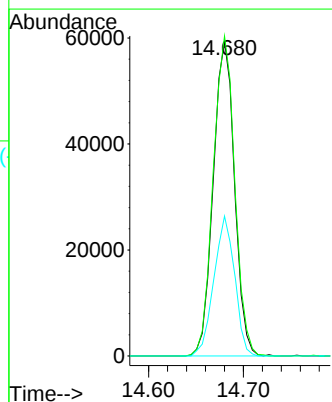
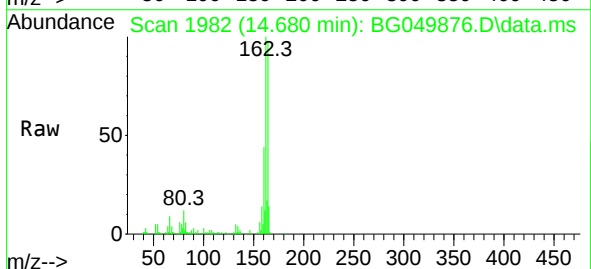
Instrument :
BNA_G
ClientSampleId :
32SDL

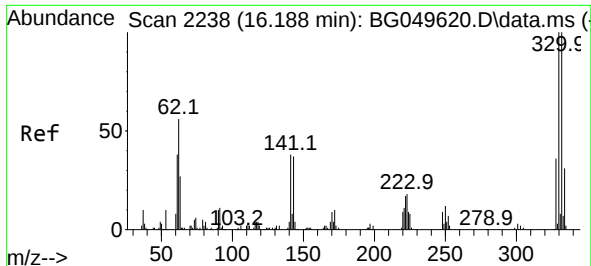
Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.680 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:164 Resp: 92478
Ion Ratio Lower Upper
164 100
162 101.8 81.4 122.0
160 44.5 34.9 52.3

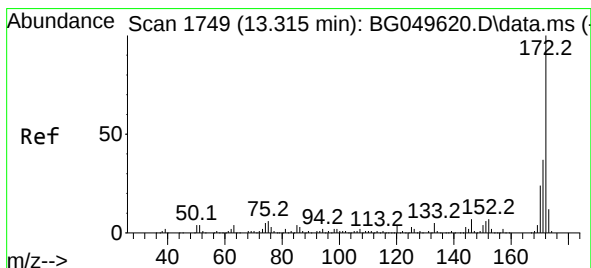
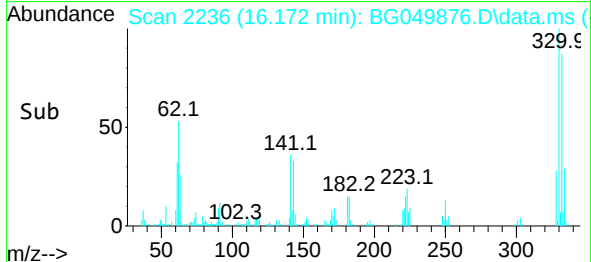
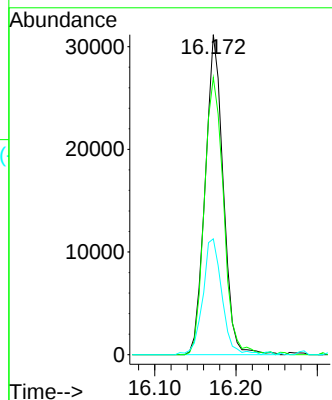
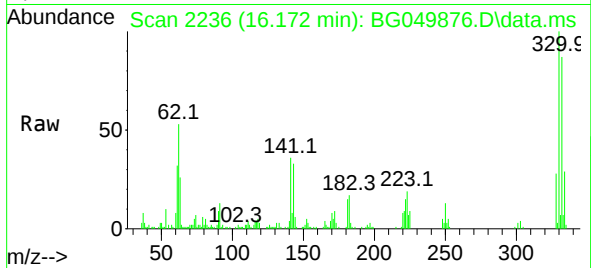




#42
2,4,6-Tribromophenol
Concen: 35.320 ng
RT: 16.172 min Scan# 2236
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

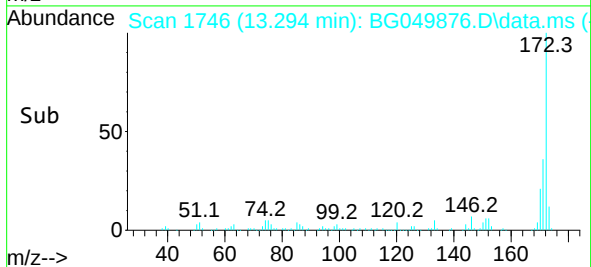
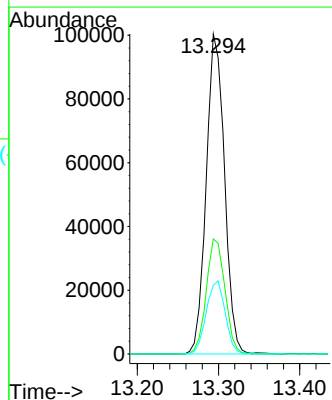
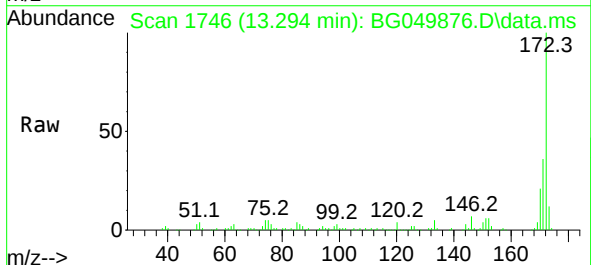
Instrument :
BNA_G
ClientSampled :
32SDL

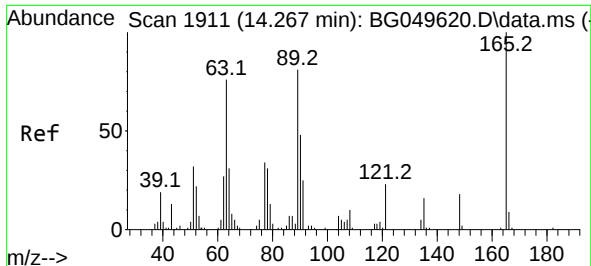
Tgt Ion:330 Resp: 48010
Ion Ratio Lower Upper
330 100
332 92.3 77.3 115.9
141 38.1 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 24.712 ng
RT: 13.294 min Scan# 1746
Delta R.T. -0.010 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:172 Resp: 157057
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 21.4 18.6 27.8

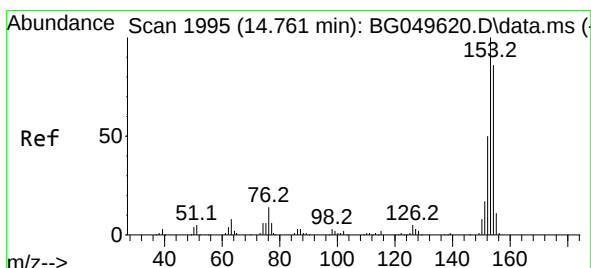
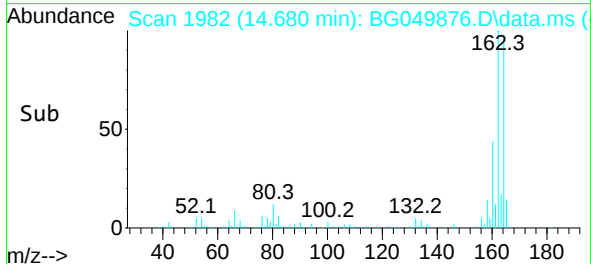
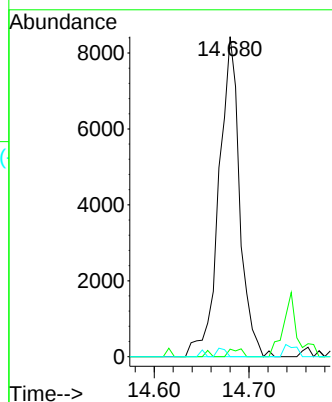
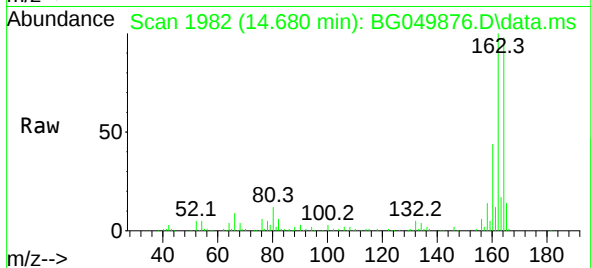




#51
2,6-Dinitrotoluene
Concen: 8.366 ng
RT: 14.680 min Scan# 1982
Delta R.T. 0.425 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

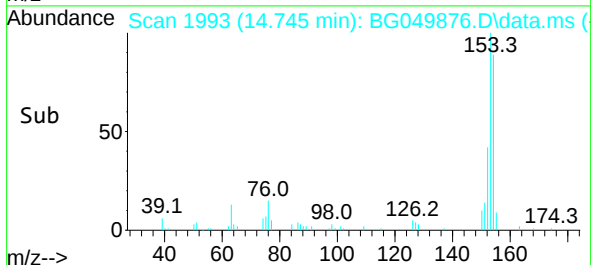
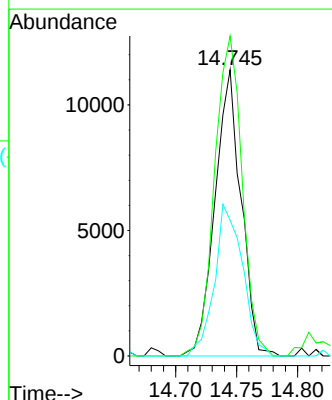
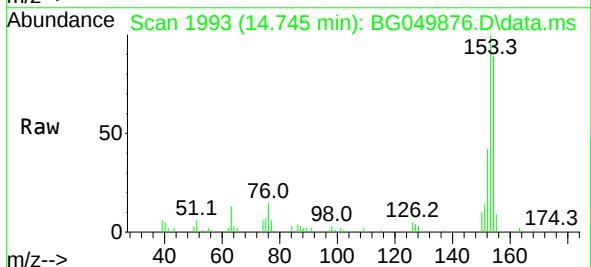
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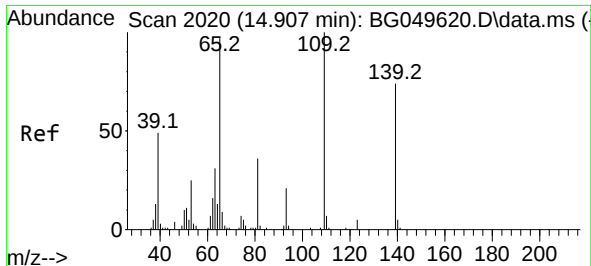
Tgt Ion:165 Resp: 12852
Ion Ratio Lower Upper
165 100
63 2.3 63.3 94.9#
89 0.0 63.4 95.0#



#52
Acenaphthene
Concen: 3.376 ng
RT: 14.745 min Scan# 1993
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:154 Resp: 16955
Ion Ratio Lower Upper
154 100
153 111.8 87.0 130.4
152 47.4 40.1 60.1

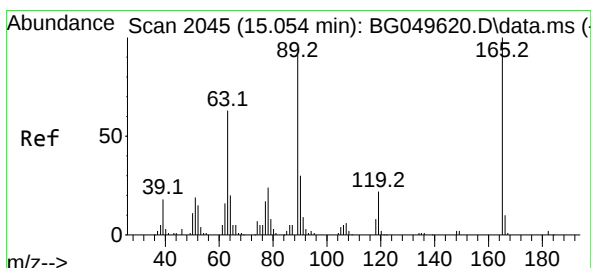
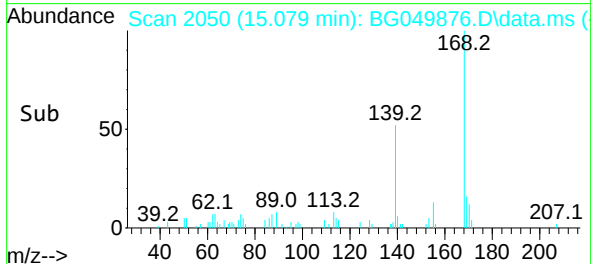
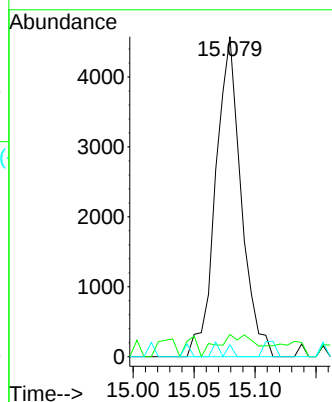
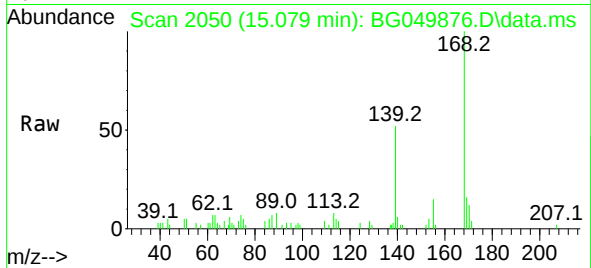




#56
4-Nitrophenol
Concen: 6.079 ng
RT: 15.079 min Scan# 2050
Delta R.T. 0.167 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

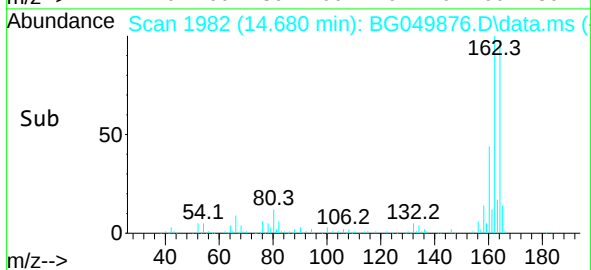
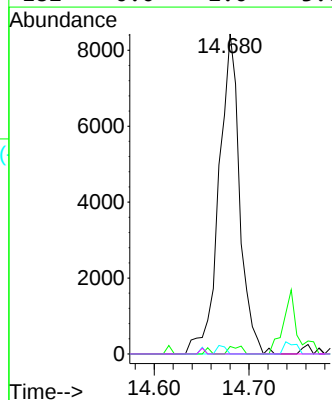
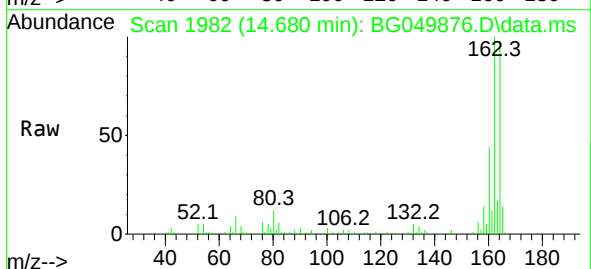
Instrument :
BNA_G
ClientSampled :
32SDL

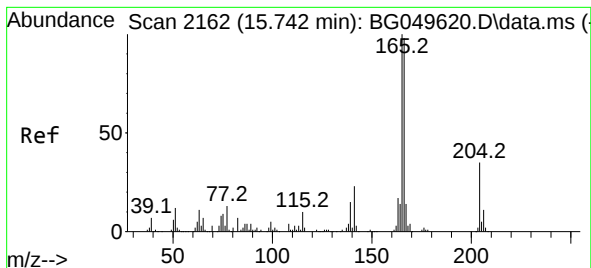
Tgt Ion:139 Resp: 6653
Ion Ratio Lower Upper
139 100
109 6.9 116.3 156.3#
65 3.7 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 5.956 ng
RT: 14.680 min Scan# 1982
Delta R.T. -0.368 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:165 Resp: 12852
Ion Ratio Lower Upper
165 100
63 2.3 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

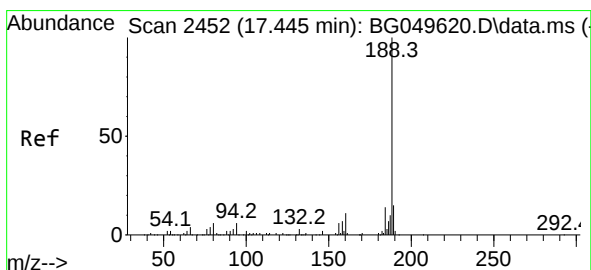
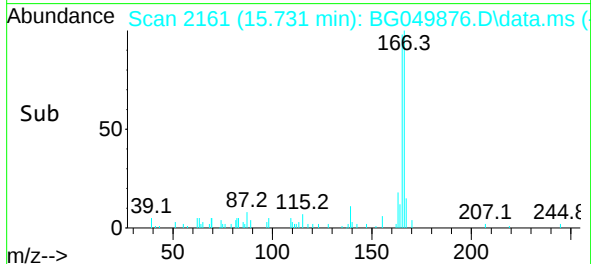
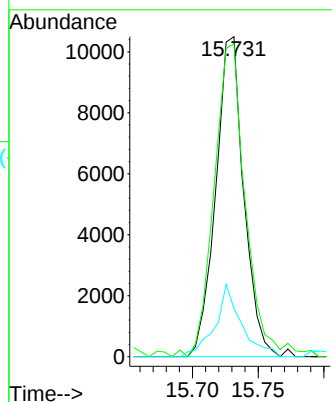
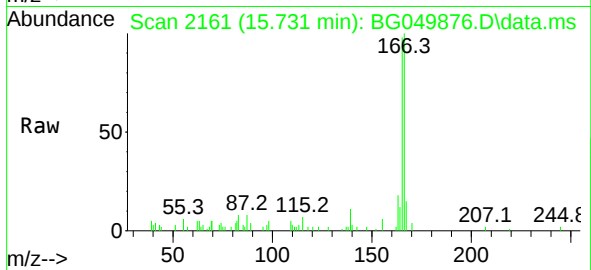




#58
Fluorene
Concen: 2.350 ng
RT: 15.731 min Scan# 2161
Delta R.T. 0.002 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

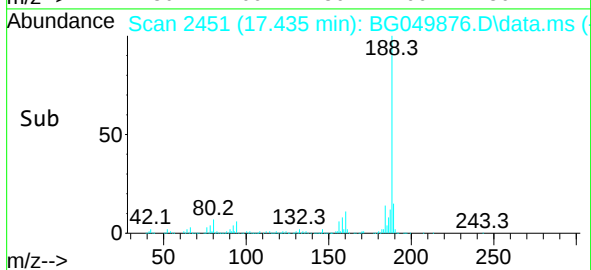
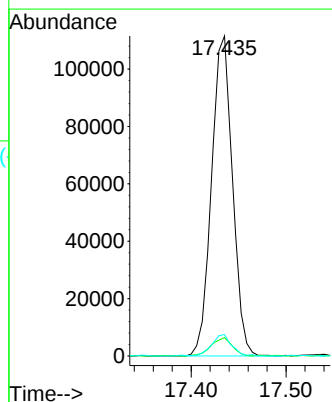
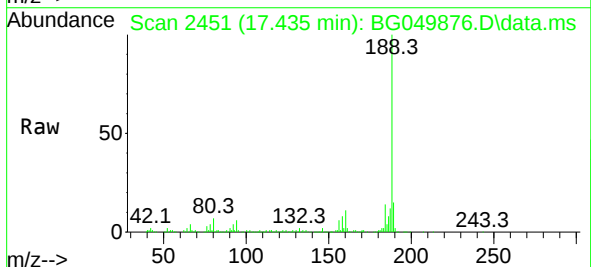
Instrument :
BNA_G
ClientSampled :
32SDL

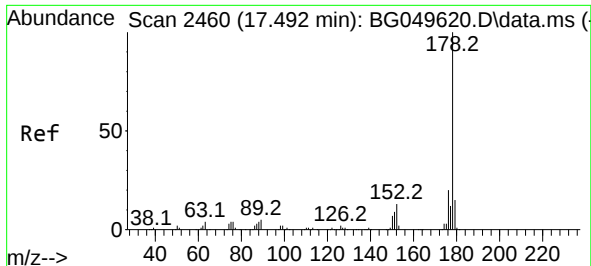
Tgt Ion:166 Resp: 15561
Ion Ratio Lower Upper
166 100
165 97.8 77.7 116.5
167 15.1 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.435 min Scan# 2451
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:188 Resp: 171120
Ion Ratio Lower Upper
188 100
94 5.7 5.4 8.0
80 6.7 3.7 5.5#

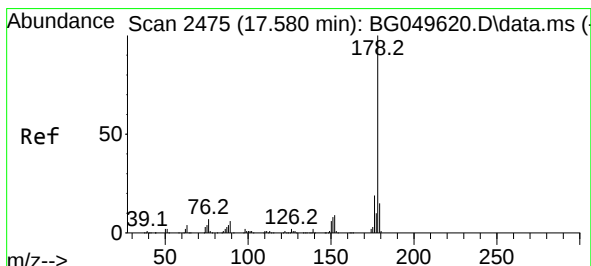
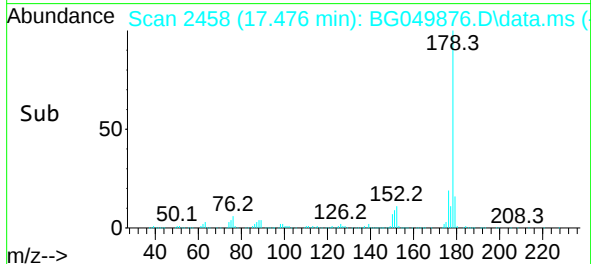
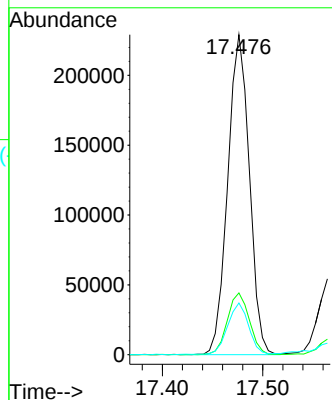
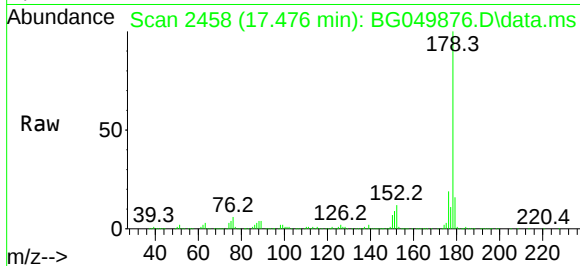




#71
Phenanthrene
Concen: 38.039 ng
RT: 17.476 min Scan# 2458
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

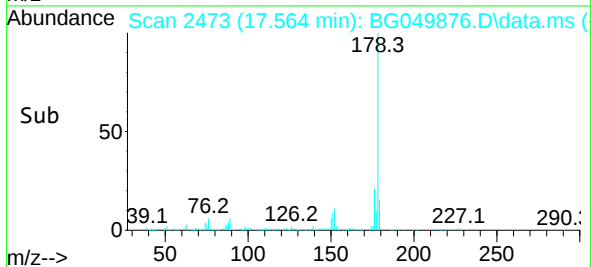
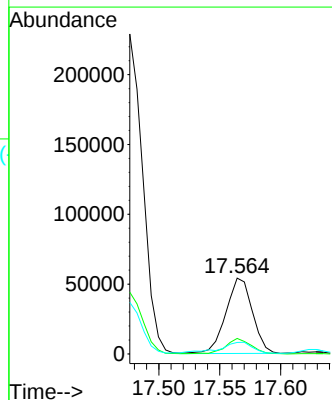
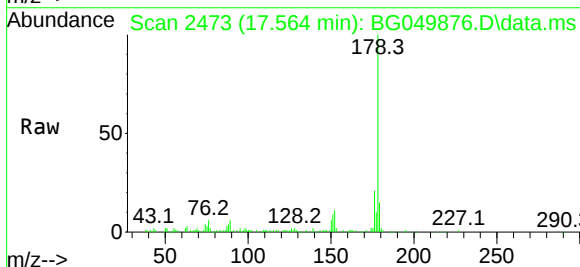
Instrument :
BNA_G
ClientSampled :
32SDL

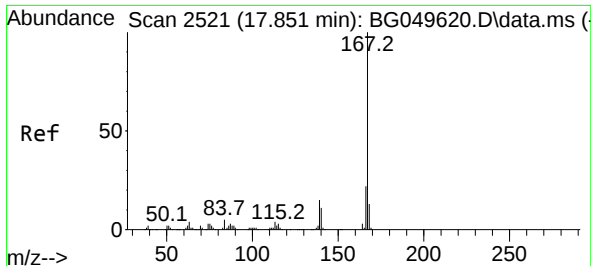
Tgt Ion:178 Resp: 342460
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 16.1 14.2 21.4



#72
Anthracene
Concen: 9.270 ng
RT: 17.564 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:178 Resp: 81964
Ion Ratio Lower Upper
178 100
176 20.6 14.6 21.8
179 15.2 13.4 20.0

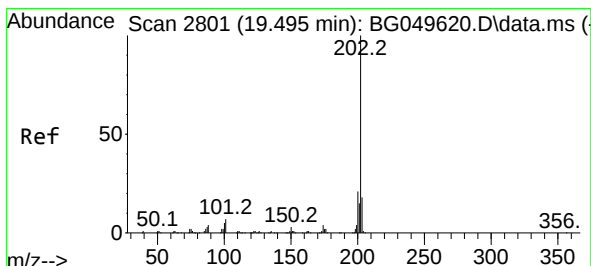
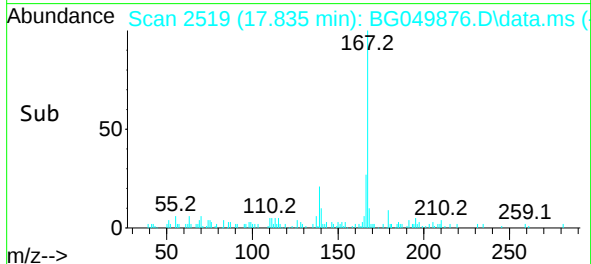
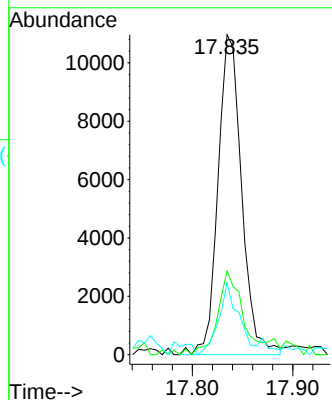
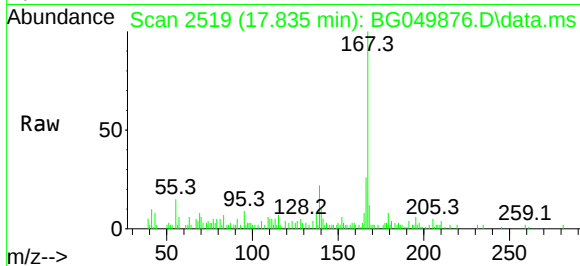




#73
 Carbazole
 Concen: 2.145 ng
 RT: 17.835 min Scan# 2519
 Delta R.T. -0.004 min
 Lab File: BG049876.D
 Acq: 17 Aug 2021 13:46

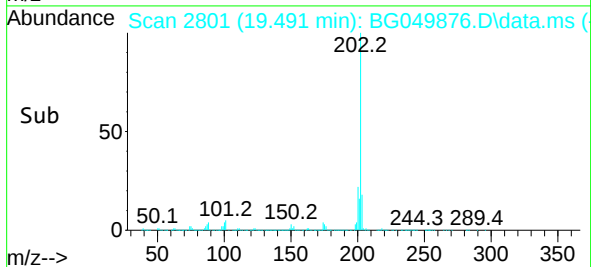
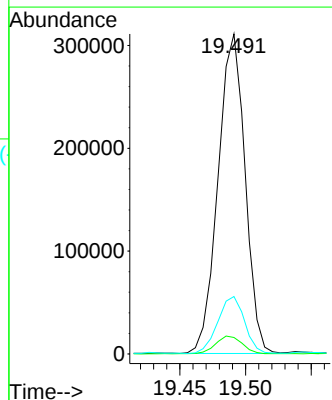
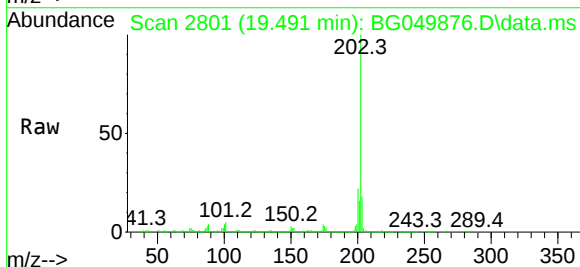
Instrument :
 BNA_G
 ClientSampleId :
 32SDL

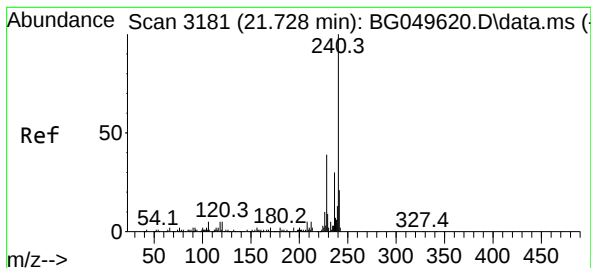
Tgt Ion:167 Resp: 17966
 Ion Ratio Lower Upper
 167 100
 166 26.2 17.4 26.2#
 139 22.4 10.7 16.1#



#75
 Fluoranthene
 Concen: 40.139 ng
 RT: 19.491 min Scan# 2801
 Delta R.T. 0.002 min
 Lab File: BG049876.D
 Acq: 17 Aug 2021 13:46

Tgt Ion:202 Resp: 444679
 Ion Ratio Lower Upper
 202 100
 101 5.2 0.0 24.7
 203 18.0 0.0 38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.718 min Scan# 3180

Delta R.T. -0.004 min

Lab File: BG049876.D

Acq: 17 Aug 2021 13:46

Tgt Ion:240 Resp: 154357

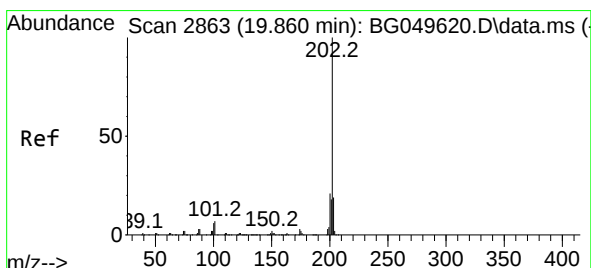
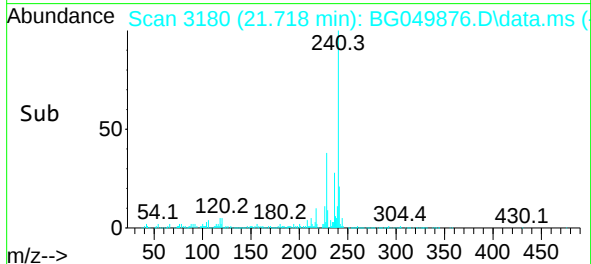
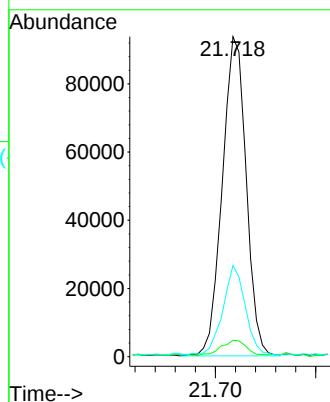
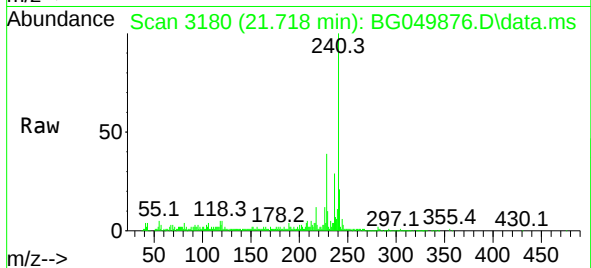
Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.2	6.2
236	28.5	21.8	32.6

Instrument :

BNA_G

ClientSampleId :

32SDL



#78

Pyrene

Concen: 47.138 ng

RT: 19.855 min Scan# 2863

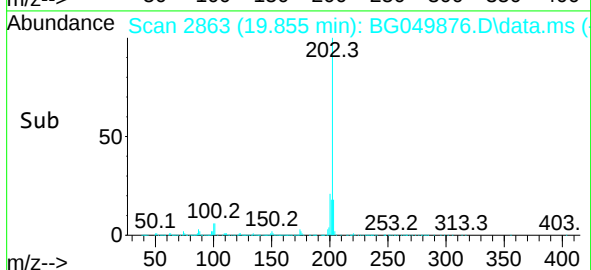
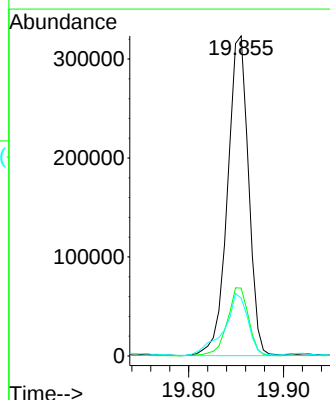
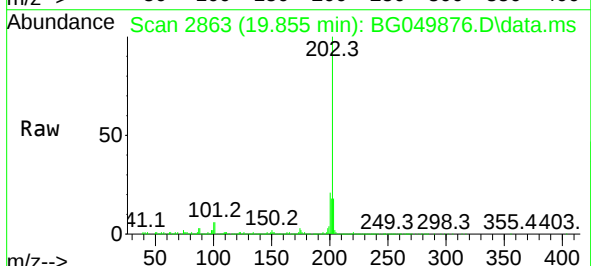
Delta R.T. 0.002 min

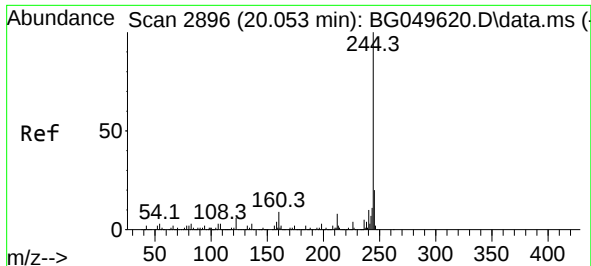
Lab File: BG049876.D

Acq: 17 Aug 2021 13:46

Tgt Ion:202 Resp: 496041

Ion	Ratio	Lower	Upper
202	100		
200	21.2	15.8	23.8
203	18.0	14.6	21.8

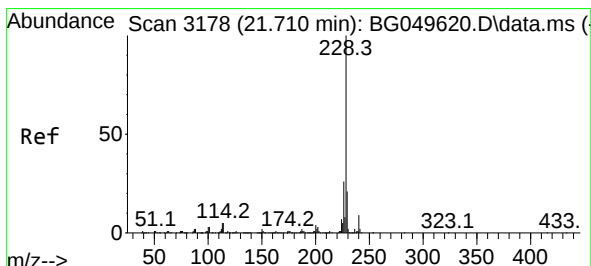
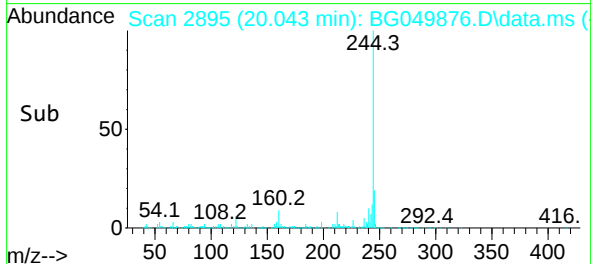
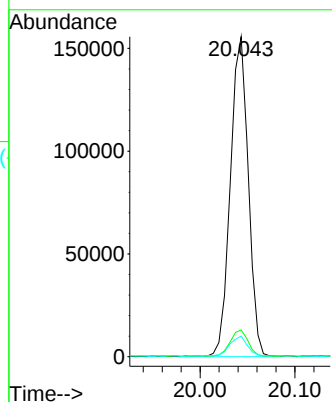
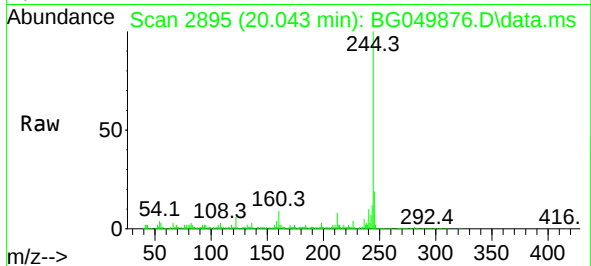




#79
Terphenyl-d14
Concen: 24.129 ng
RT: 20.043 min Scan# 2895
Delta R.T. -0.004 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

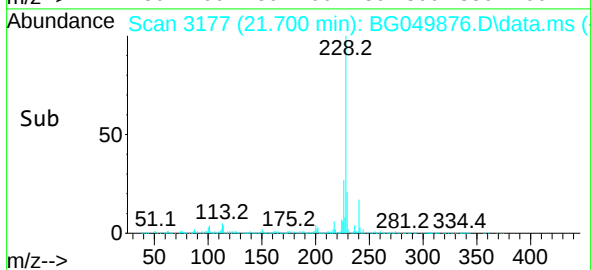
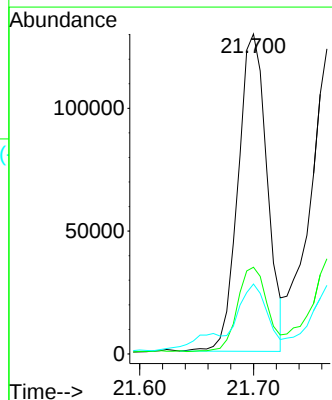
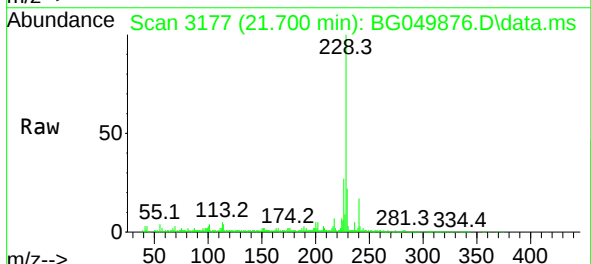
Instrument :
BNA_G
ClientSampleId :
32SDL

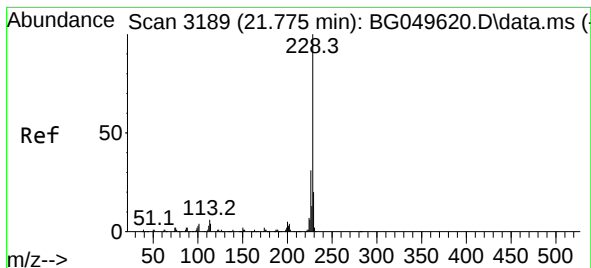
Tgt Ion:244 Resp: 205066
Ion Ratio Lower Upper
244 100
212 8.4 6.9 10.3
122 6.4 5.0 7.6



#81
Benzo(a)anthracene
Concen: 22.686 ng
RT: 21.700 min Scan# 3177
Delta R.T. 0.002 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:228 Resp: 228046
Ion Ratio Lower Upper
228 100
226 27.1 22.7 34.1
229 21.8 16.0 24.0





#83

Chrysene

Concen: 23.933 ng

RT: 21.765 min Scan# 3188

Delta R.T. -0.004 min

Lab File: BG049876.D

Acq: 17 Aug 2021 13:46

Instrument :

BNA_G

ClientSampleId :

32SDL

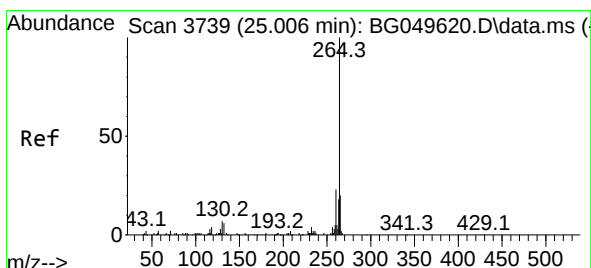
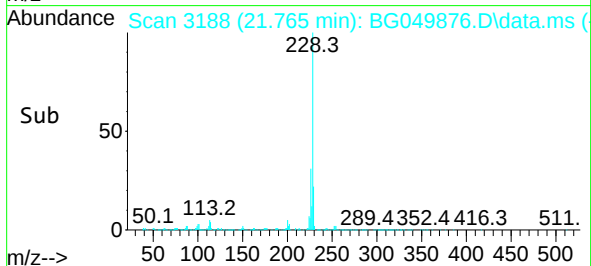
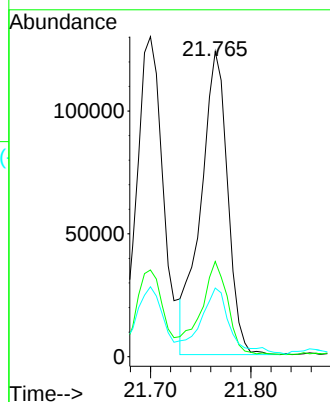
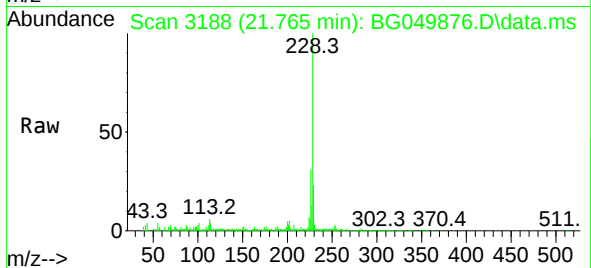
Tgt Ion:228 Resp: 229979

Ion Ratio Lower Upper

228 100

226 31.2 23.1 34.7

229 22.5 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 3739

Delta R.T. 0.014 min

Lab File: BG049876.D

Acq: 17 Aug 2021 13:46

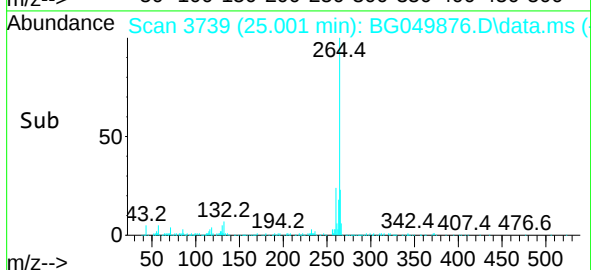
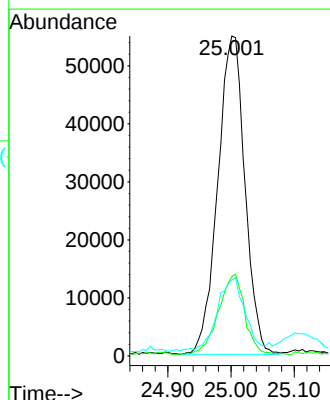
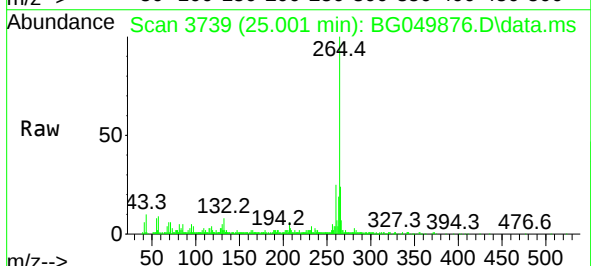
Tgt Ion:264 Resp: 163566

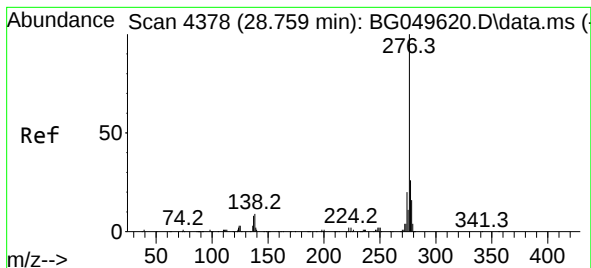
Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

265 23.8 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.613 ng

RT: 28.761 min Scan# 4379

Delta R.T. 0.026 min

Lab File: BG049876.D

Acq: 17 Aug 2021 13:46

Tgt Ion:276 Resp: 184170

Ion Ratio Lower Upper

276 100

138 4.9 5.1 7.7#

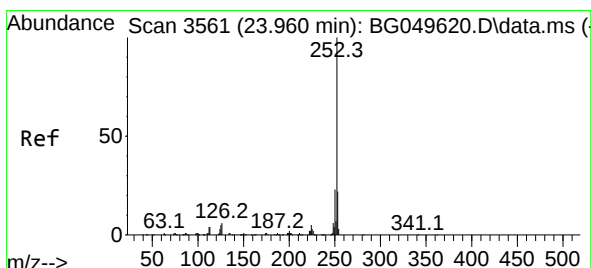
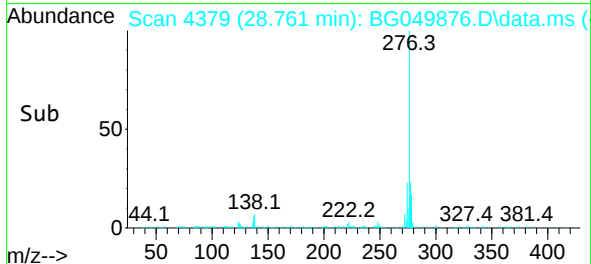
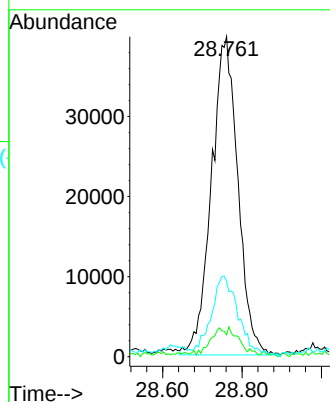
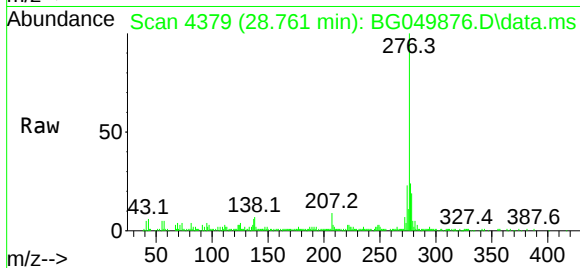
277 26.6 19.8 29.6

Instrument :

BNA_G

ClientSampleId :

32SDL



#88

Benzo(b)fluoranthene

Concen: 27.225 ng

RT: 23.962 min Scan# 3562

Delta R.T. 0.008 min

Lab File: BG049876.D

Acq: 17 Aug 2021 13:46

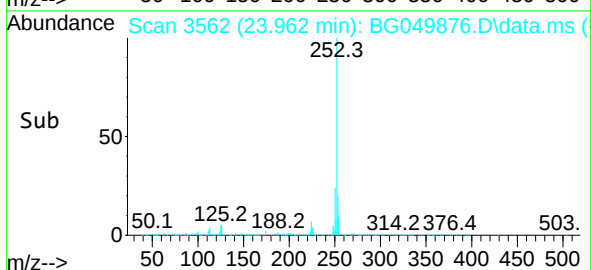
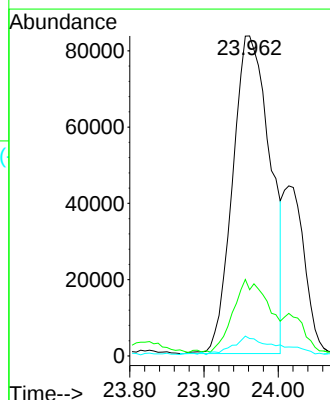
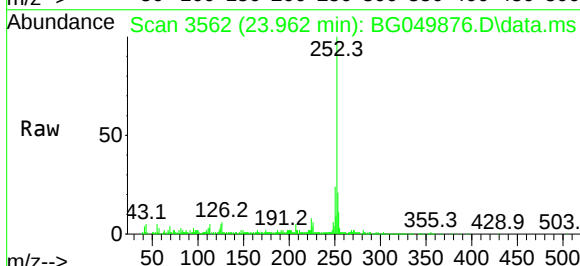
Tgt Ion:252 Resp: 292054

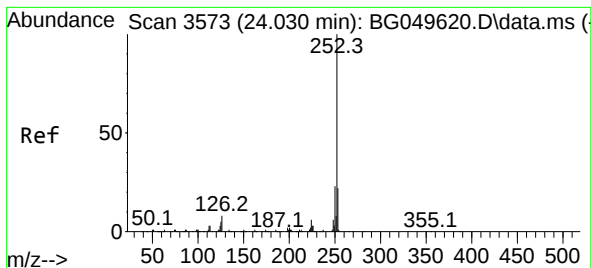
Ion Ratio Lower Upper

252 100

253 20.7 16.2 24.4

125 5.4 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 29.187 ng

RT: 23.962 min Scan# 3562

Delta R.T. -0.057 min

Lab File: BG049876.D

Acq: 17 Aug 2021 13:46

Instrument :

BNA_G

ClientSampleId :

32SDL

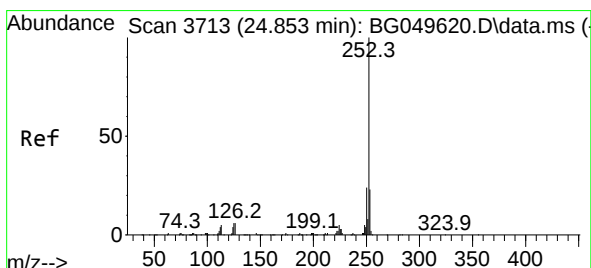
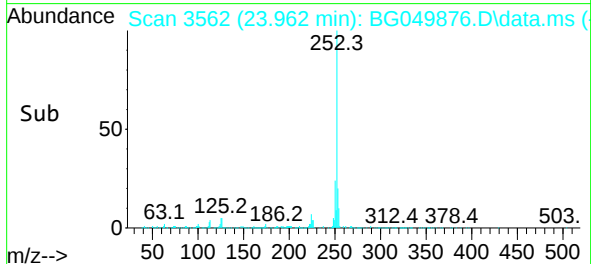
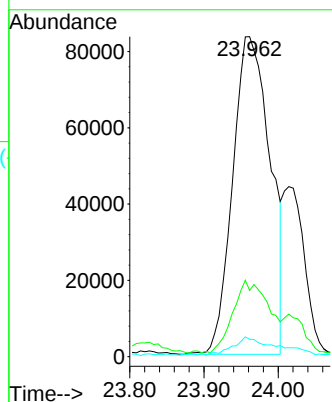
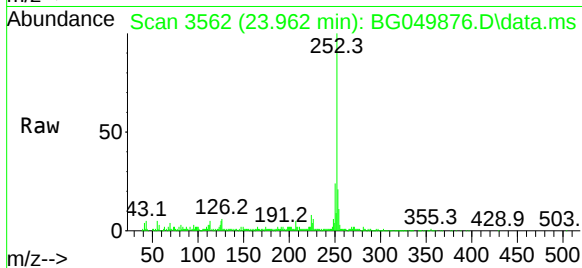
Tgt Ion:252 Resp: 292054

Ion Ratio Lower Upper

252 100

253 20.7 18.0 27.0

125 5.4 3.1 4.7#



#90

Benzo(a)pyrene

Concen: 27.430 ng

RT: 24.849 min Scan# 3713

Delta R.T. 0.008 min

Lab File: BG049876.D

Acq: 17 Aug 2021 13:46

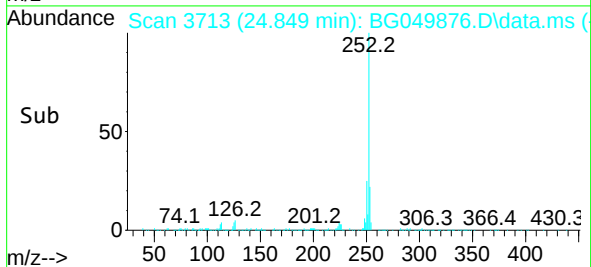
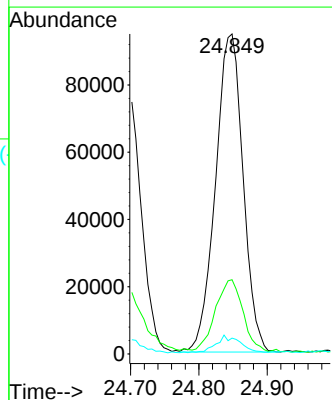
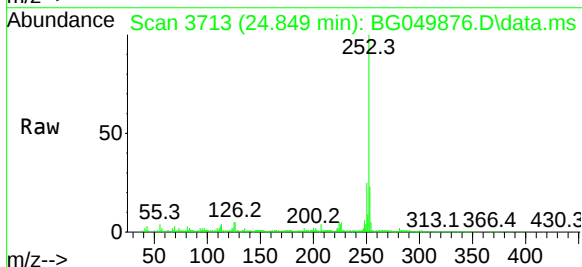
Tgt Ion:252 Resp: 266294

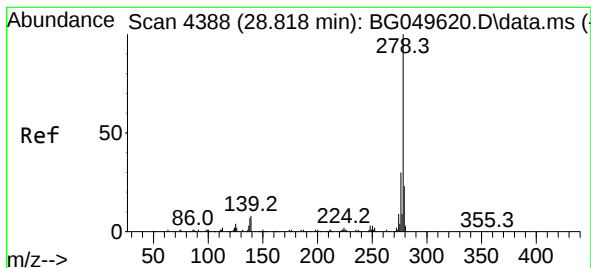
Ion Ratio Lower Upper

252 100

253 23.2 16.6 25.0

125 5.0 3.5 5.3

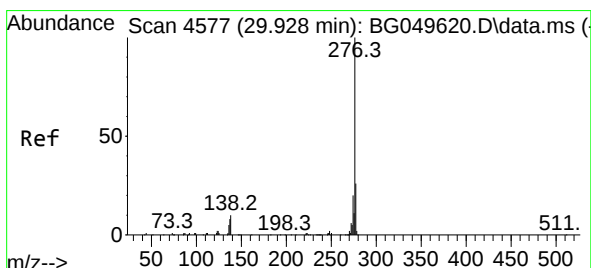
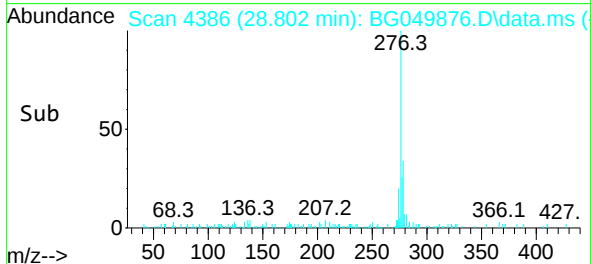
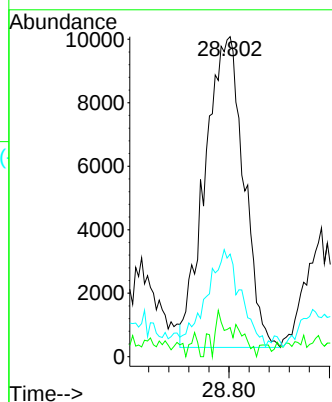
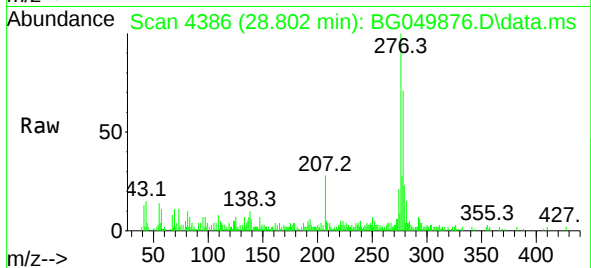




#91
Dibenzo(a,h)anthracene
Concen: 5.272 ng
RT: 28.802 min Scan# 4386
Delta R.T. 0.002 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Instrument :
BNA_G
ClientSampled :
32SDL

Tgt Ion:278 Resp: 52407
Ion Ratio Lower Upper
278 100
139 9.1 4.6 6.8#
279 32.0 17.9 26.9#



#92
Benzo(g,h,i)perylene
Concen: 24.134 ng
RT: 29.936 min Scan# 4579
Delta R.T. 0.020 min
Lab File: BG049876.D
Acq: 17 Aug 2021 13:46

Tgt Ion:276 Resp: 235024
Ion Ratio Lower Upper
276 100
277 23.0 18.4 27.6
138 7.0 7.0 10.6#

