

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040221\
 Data File : BG048577.D
 Acq On : 2 Apr 2021 20:39
 Operator : CG/JU
 Sample : M1883-03DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 V-211DL

Quant Time: Apr 02 23:59:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 02 10:20:56 2021
 Response via : Initial Calibration

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

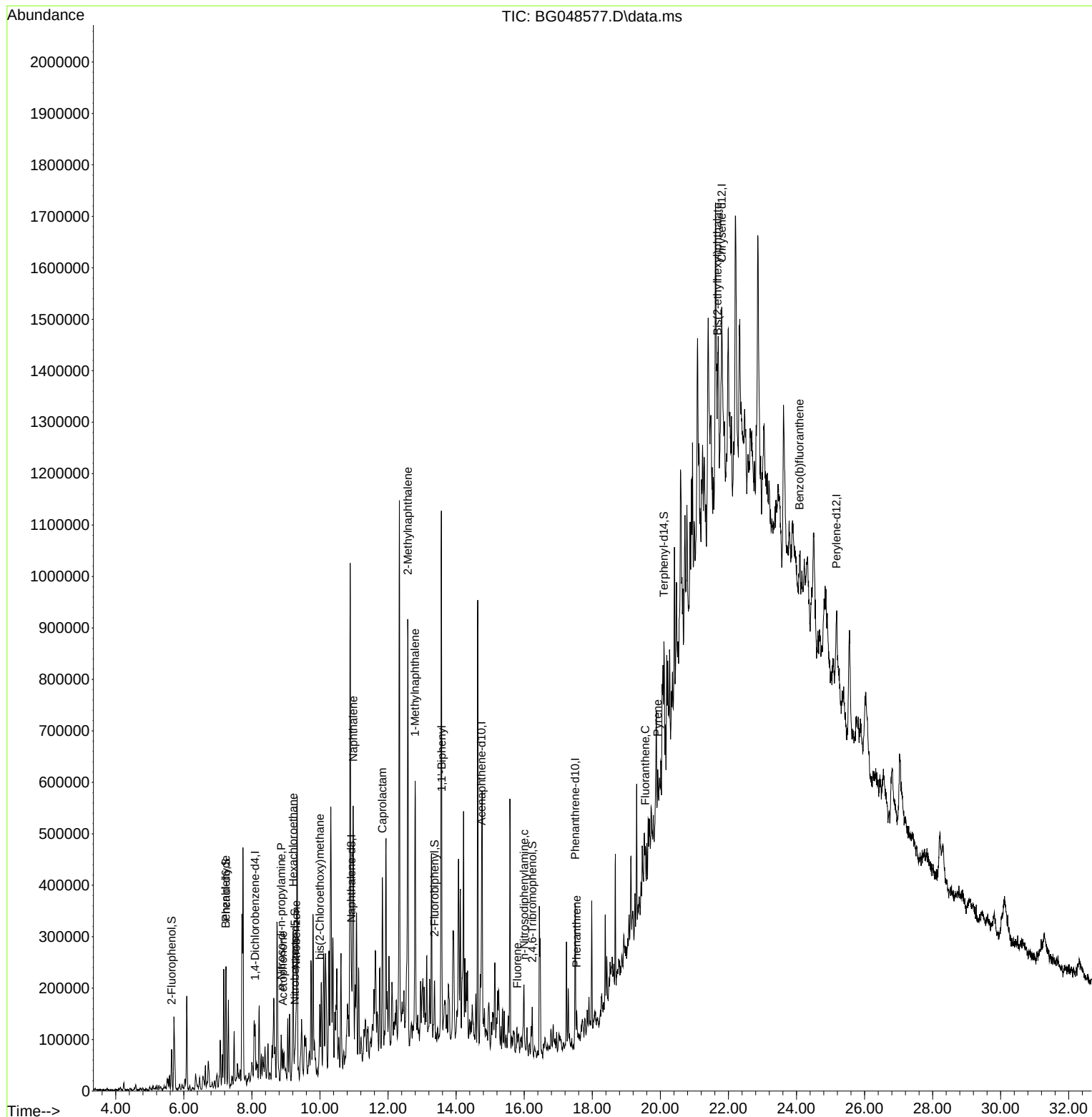
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.097	152	29722	20.00	ng	# 0.00
21) Naphthalene-d8	10.923	136	115989	20.00	ng	# 0.00
39) Acenaphthene-d10	14.748	164	79187	20.00	ng	0.00
64) Phenanthrene-d10	17.504	188	166564	20.00	ng	# 0.00
76) Chrysene-d12	21.805	240	161947	20.00	ng	# 0.00
86) Perylene-d12	25.177	264	161992	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.641	112	23475	13.94	ng	0.00
7) Phenol-d6	7.239	99	31610	12.95	ng	0.00
23) Nitrobenzene-d5	9.266	82	26142	10.91	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	15227	14.63	ng	0.00
45) 2-Fluorobiphenyl	13.367	172	57536	10.80	ng	0.00
79) Terphenyl-d14	20.107	244	82873	9.36	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.233	77	9676	6.20	ng	# 1
18) Hexachloroethane	9.213	117	25897	32.25	ng	# 1
19) n-Nitroso-di-n-propyla...	8.861	70	4125	2.45	ng	# 53
22) Acetophenone	8.908	105	34725	11.61	ng	# 51
24) Nitrobenzene	9.296	77	5249	2.23	ng	# 32
28) bis(2-Chloroethoxy)met...	9.995	93	7662	3.78	ng	91
31) Naphthalene	10.976	128	257223	43.13	ng	# 95
35) Caprolactam	11.834	113	3666	5.22	ng	# 1
37) 2-Methylnaphthalene	12.580	142	398436	83.92	ng	97
38) 1-Methylnaphthalene	12.797	142	224126	49.50	ng	99
46) 1,1'-Biphenyl	13.579	154	25233	4.36	ng	99
58) Fluorene	15.794	166	13831	2.26	ng	90
66) n-Nitrosodiphenylamine	16.000	169	10821	2.28	ng	# 49
71) Phenanthrene	17.539	178	31486	3.64	ng	# 88
75) Fluoranthene	19.554	202	23057	2.15	ng	83
78) Pyrene	19.919	202	35338	3.17	ng	# 92
84) Bis(2-ethylhexyl)phtha...	21.681	149	20490	3.56	ng	# 74
88) Benzo(b)fluoranthene	24.090	252	22507	2.14	ng	# 1

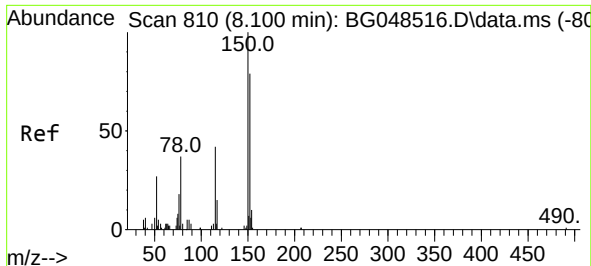
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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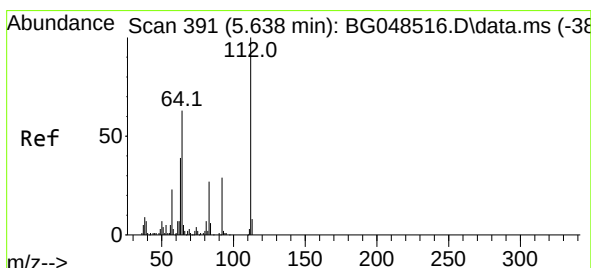
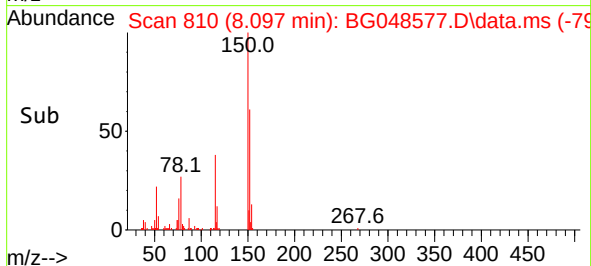
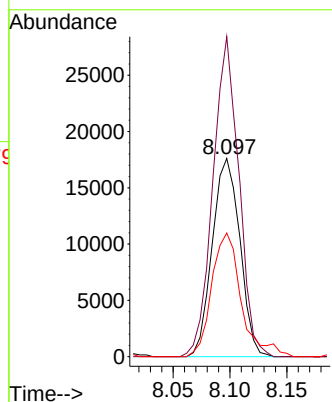
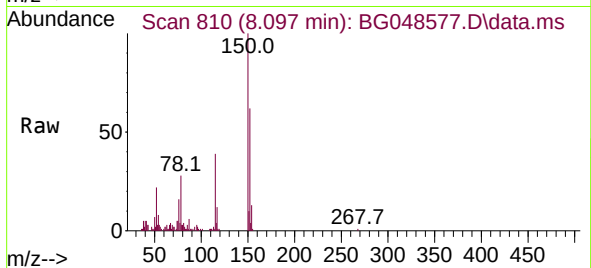




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.097 min Scan# 810
Delta R.T. 0.003 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

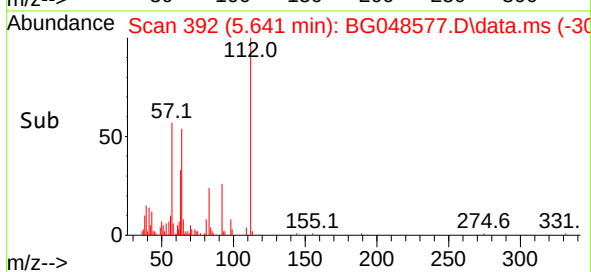
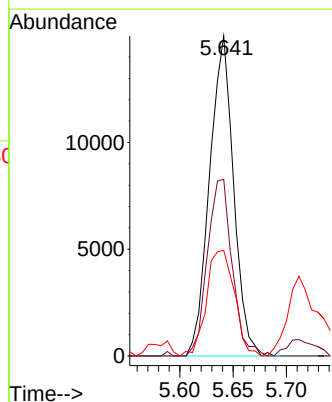
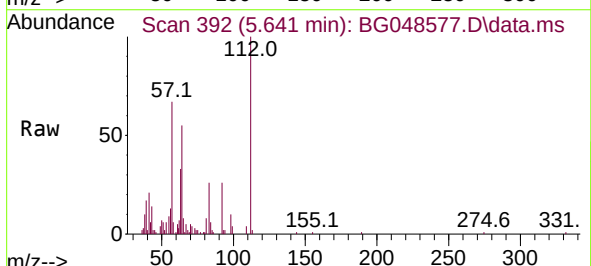
Instrument :
BNA_G
ClientSampleId :
V-211DL

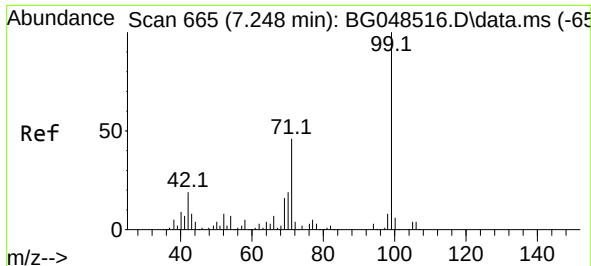
Tgt Ion:152 Resp: 29722
Ion Ratio Lower Upper
152 100
150 161.4 101.3 151.9#
115 62.4 42.3 63.5



#5
2-Fluorophenol
Concen: 13.94 ng
RT: 5.641 min Scan# 392
Delta R.T. 0.003 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:112 Resp: 23475
Ion Ratio Lower Upper
112 100
64 55.2 50.4 75.6
63 33.0 31.4 47.2

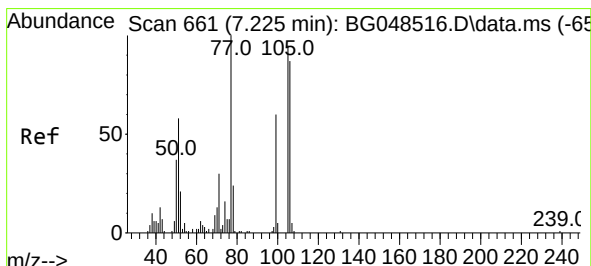
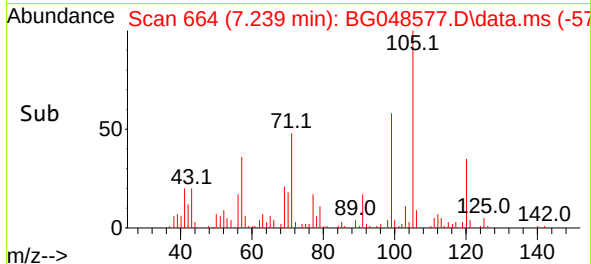
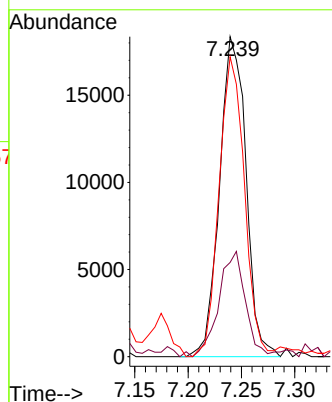
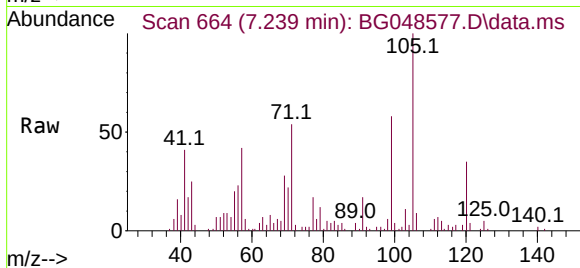




#7
Phenol-d6
Concen: 12.95 ng
RT: 7.239 min Scan# 664
Delta R.T. -0.008 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

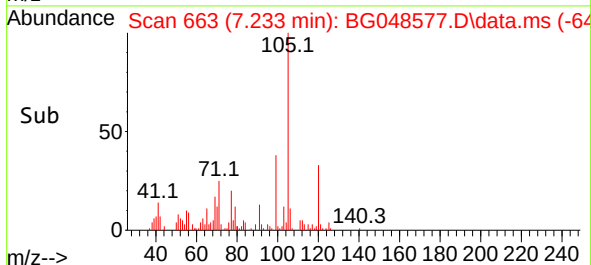
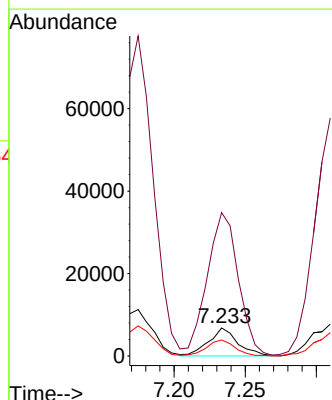
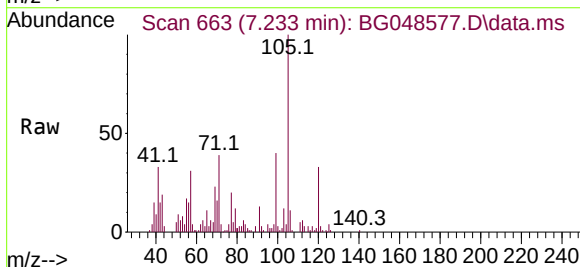
Instrument :
BNA_G
ClientSampleId :
V-211DL

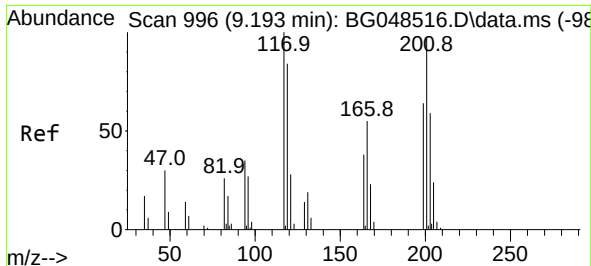
Tgt Ion: 99 Resp: 31610
Ion Ratio Lower Upper
99 100
42 29.4 15.5 23.3#
71 93.7 36.6 54.8#



#9
Benzaldehyde
Concen: 6.20 ng
RT: 7.233 min Scan# 663
Delta R.T. 0.009 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion: 77 Resp: 9676
Ion Ratio Lower Upper
77 100
105 512.2 75.2 115.2#
106 57.2 66.5 106.5#

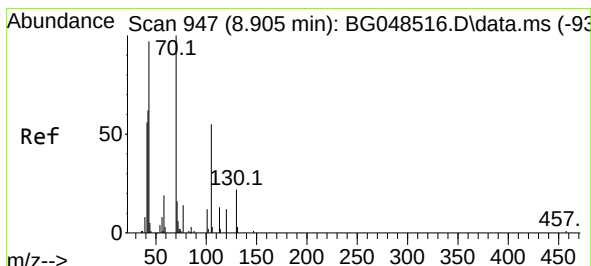
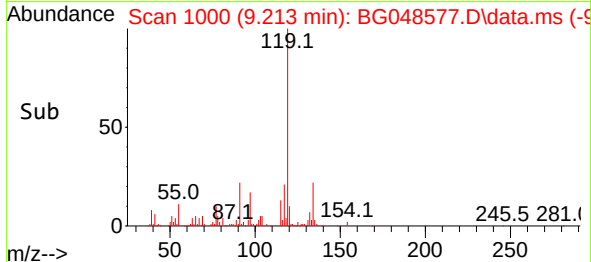
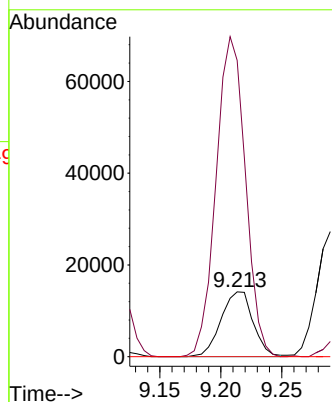
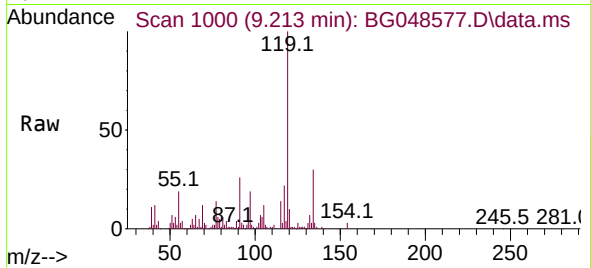




#18
Hexachloroethane
Concen: 32.25 ng
RT: 9.213 min Scan# 1000
Delta R.T. 0.021 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

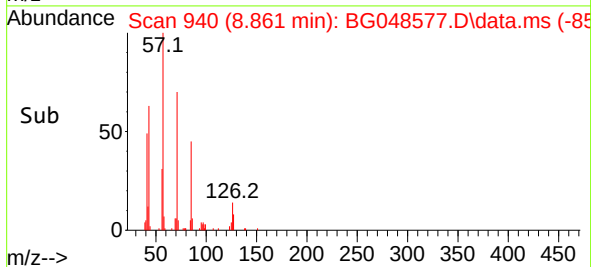
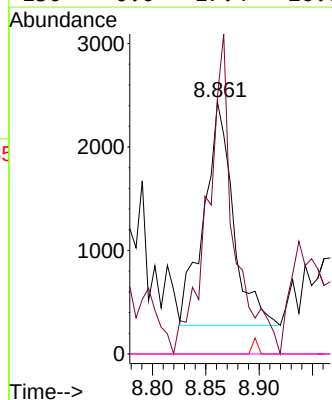
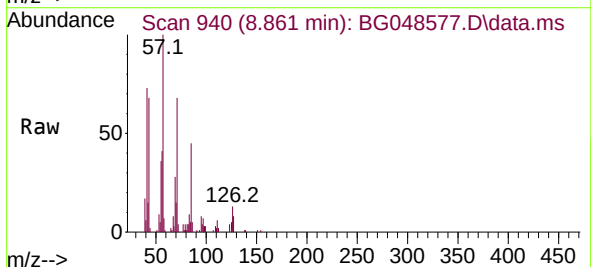
Instrument :
BNA_G
ClientSampleId :
V-211DL

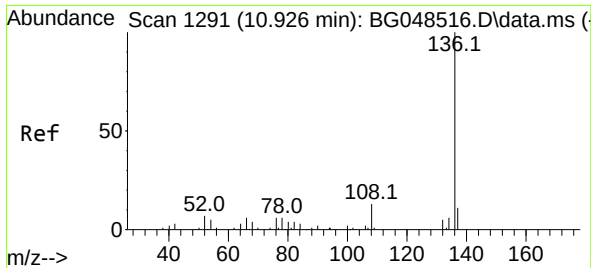
Tgt Ion:117 Resp: 25897
Ion Ratio Lower Upper
117 100
119 457.2 67.0 100.6#
201 0.0 79.8 119.6#



#19
n-Nitroso-di-n-propylamine
Concen: 2.45 ng
RT: 8.861 min Scan# 940
Delta R.T. -0.044 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion: 70 Resp: 4125
Ion Ratio Lower Upper
70 100
42 102.3 50.8 76.2#
101 0.0 9.7 14.5#
130 0.0 17.4 26.0#

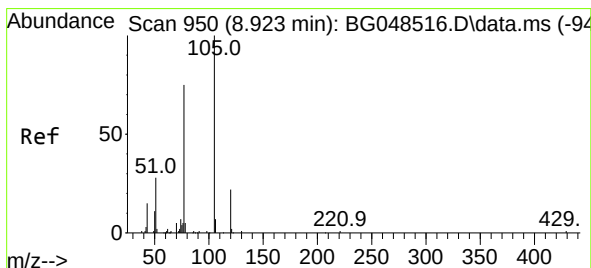
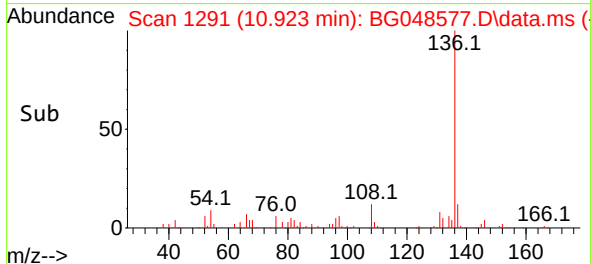
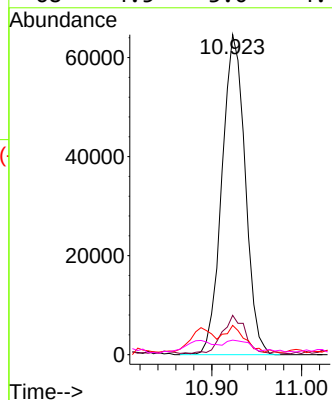
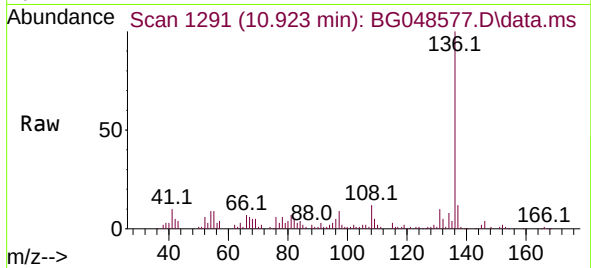




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.923 min Scan# 1291
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

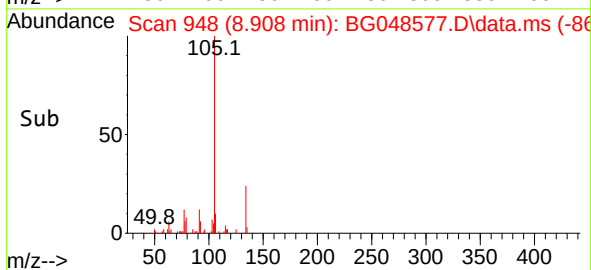
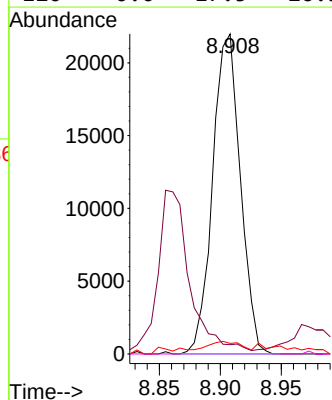
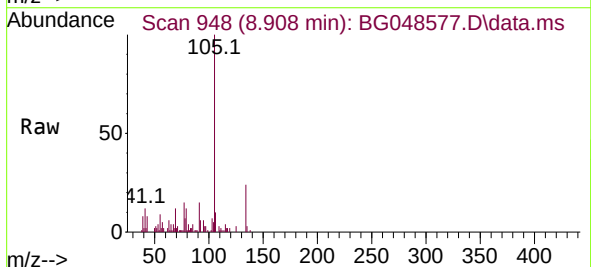
Instrument :
BNA_G
ClientSampleId :
V-211DL

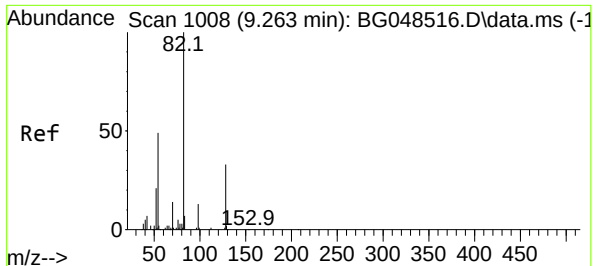
Tgt Ion:136 Resp: 115989
Ion Ratio Lower Upper
136 100
137 12.3 8.6 12.8
54 9.2 4.2 6.4#
68 4.5 3.0 4.4#



#22
Acetophenone
Concen: 11.61 ng
RT: 8.908 min Scan# 948
Delta R.T. -0.014 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:105 Resp: 34725
Ion Ratio Lower Upper
105 100
71 2.9 1.1 1.7#
51 3.3 26.1 39.1#
120 0.0 17.5 26.3#





#23

Nitrobenzene-d5

Concen: 10.91 ng

RT: 9.266 min Scan# 1009

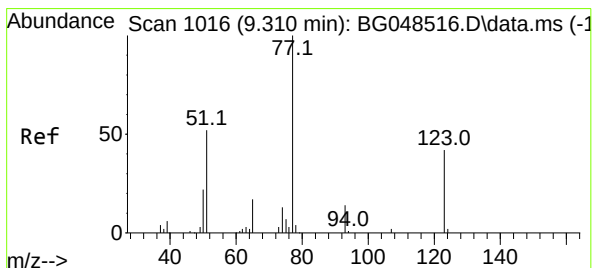
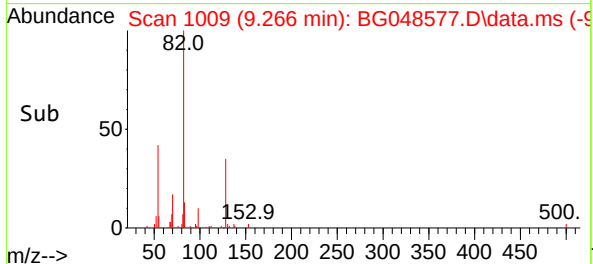
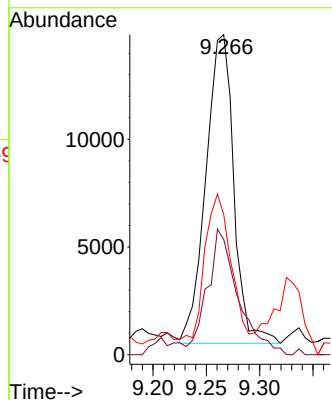
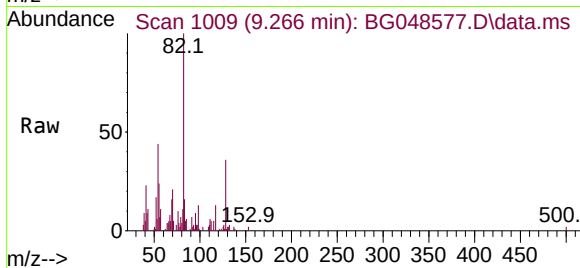
Delta R.T. -0.002 min

Lab File: BG048577.D

Acq: 2 Apr 2021 20:39

Tgt Ion:	82	Resp:	26142
Ion Ratio	Lower	Upper	
82	100		
128	36.0	26.2	39.4
54	43.8	38.9	58.3

Instrument :
BNA_G
ClientSampleId :
V-211DL



#24

Nitrobenzene

Concen: 2.23 ng

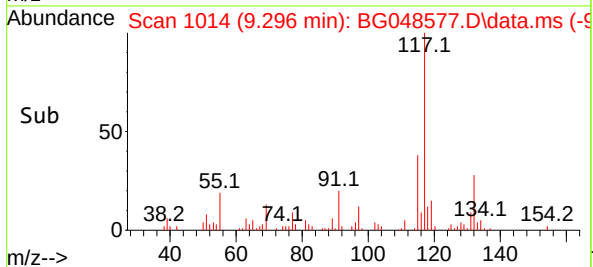
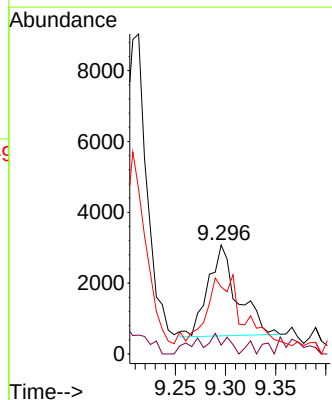
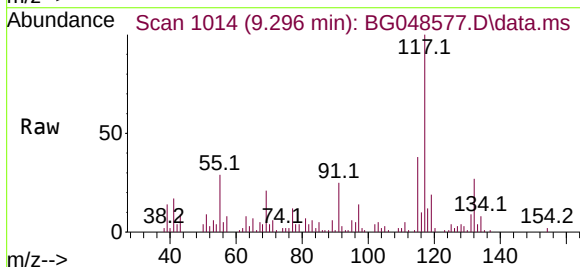
RT: 9.296 min Scan# 1014

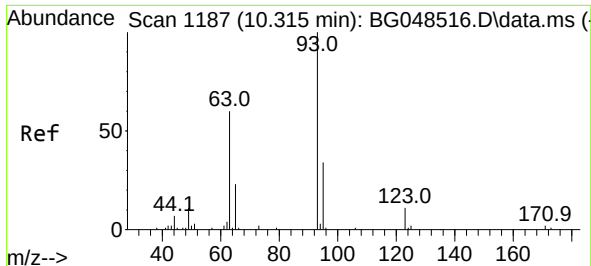
Delta R.T. -0.014 min

Lab File: BG048577.D

Acq: 2 Apr 2021 20:39

Tgt Ion:	77	Resp:	5249
Ion Ratio	Lower	Upper	
77	100		
123	8.1	33.4	50.2#
65	61.5	13.3	19.9#

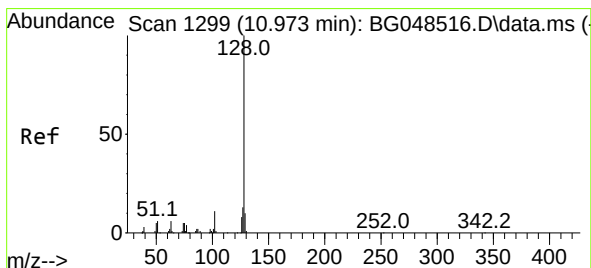
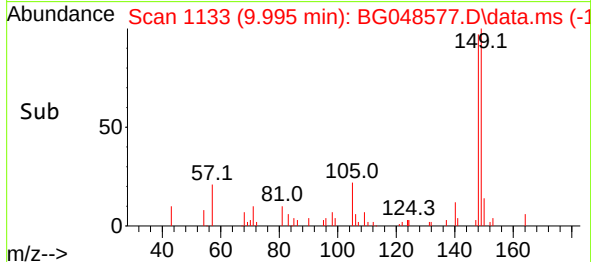
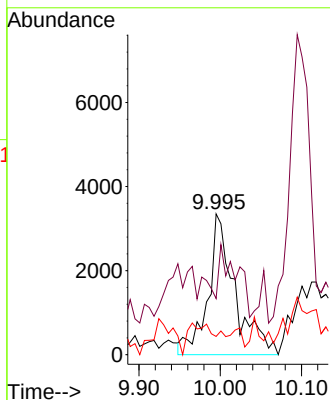
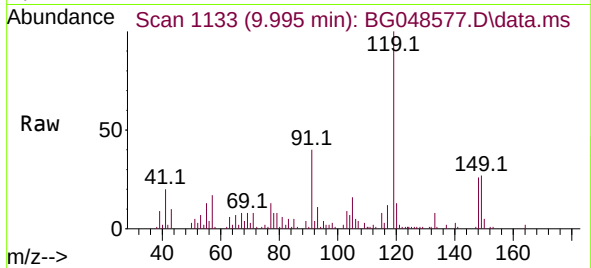




#28
bis(2-Chloroethoxy)methane
Concen: 3.78 ng
RT: 9.995 min Scan# 1133
Delta R.T. -0.326 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

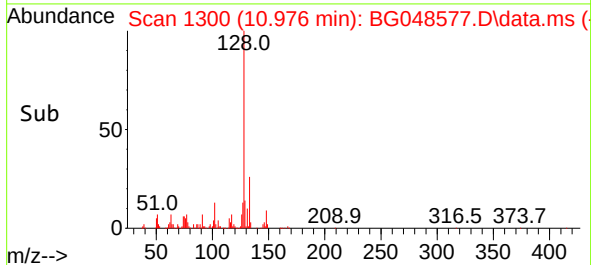
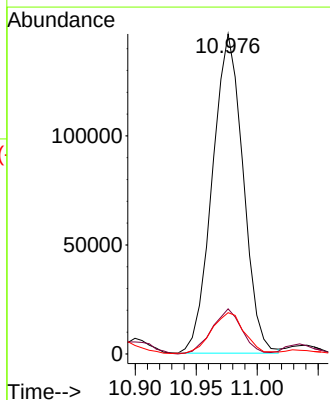
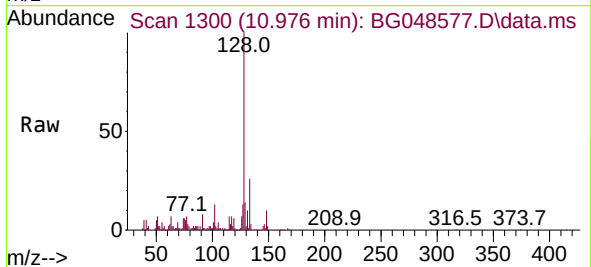
Instrument :
BNA_G
ClientSampleId :
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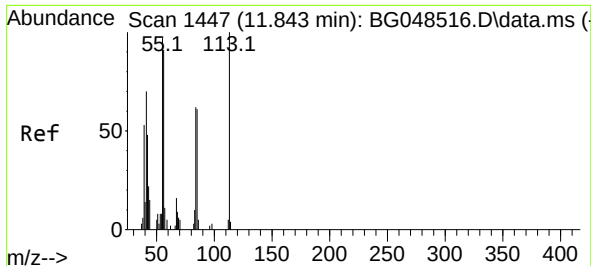
Tgt Ion: 93 Resp: 7662
Ion Ratio Lower Upper
93 100
95 39.9 27.0 40.6
123 13.0 9.0 13.6



#31
Naphthalene
Concen: 43.13 ng
RT: 10.976 min Scan# 1300
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:128 Resp: 257223
Ion Ratio Lower Upper
128 100
129 14.1 8.2 12.2#
127 12.9 10.6 16.0

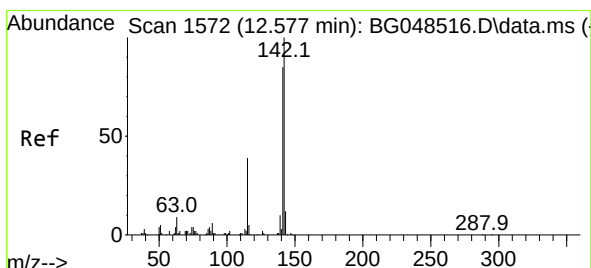
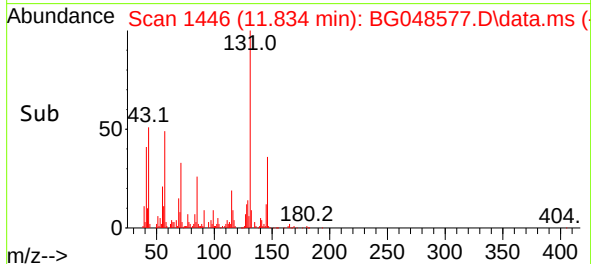
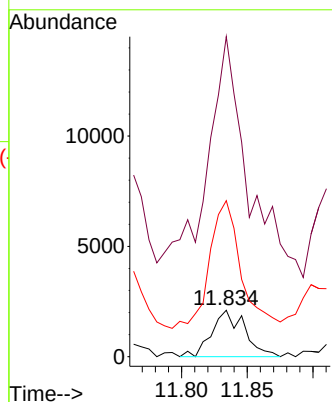
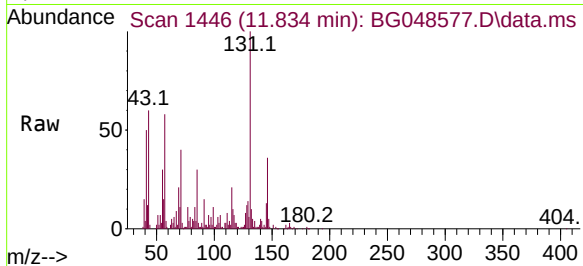




#35
Caprolactam
Concen: 5.22 ng
RT: 11.834 min Scan# 1446
Delta R.T. -0.014 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

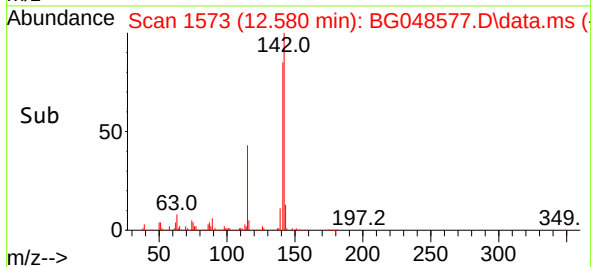
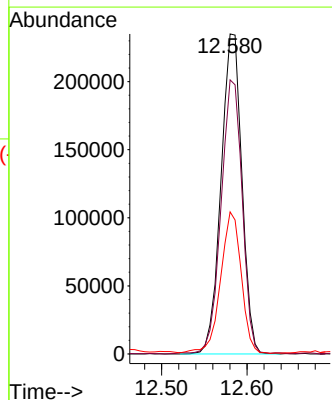
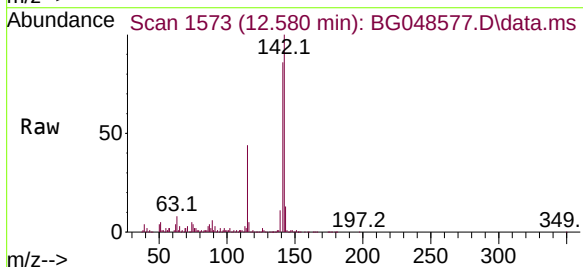
Instrument :
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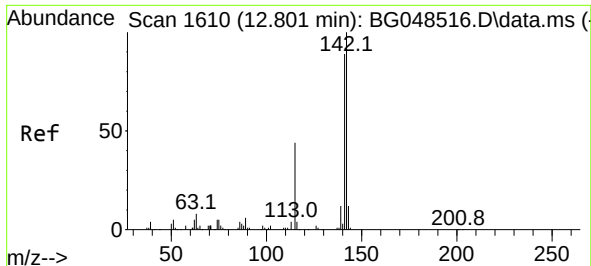
Tgt Ion:113 Resp: 3666
Ion Ratio Lower Upper
113 100
55 688.8 76.8 116.8#
56 335.8 71.1 111.1#



#37
2-Methylnaphthalene
Concen: 83.92 ng
RT: 12.580 min Scan# 1573
Delta R.T. 0.003 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:142 Resp: 398436
Ion Ratio Lower Upper
142 100
141 85.6 68.2 102.4
115 44.4 30.8 46.2

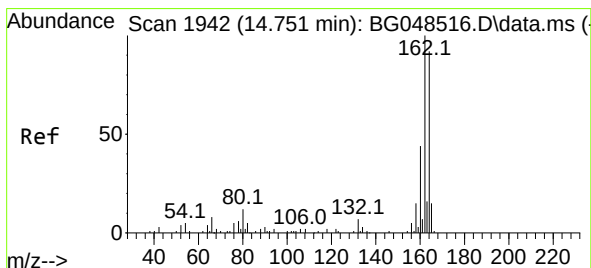
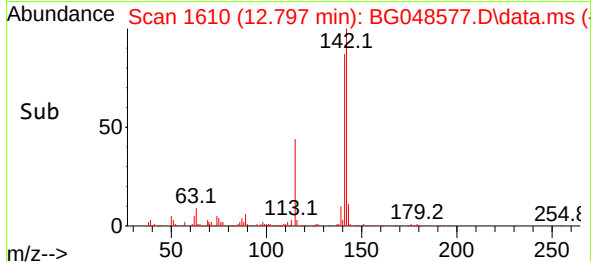
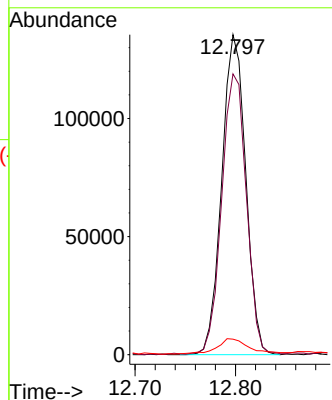
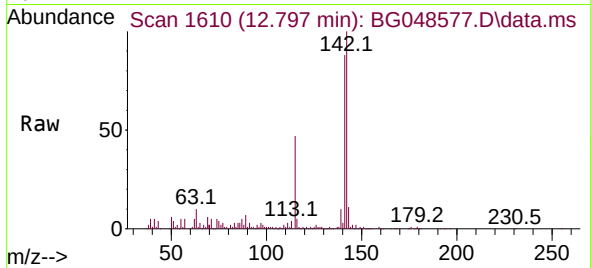




#38
1-Methylnaphthalene
Concen: 49.50 ng
RT: 12.797 min Scan# 1610
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

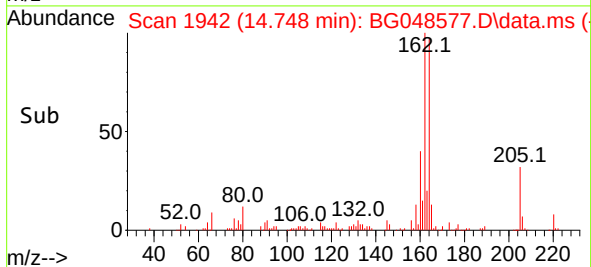
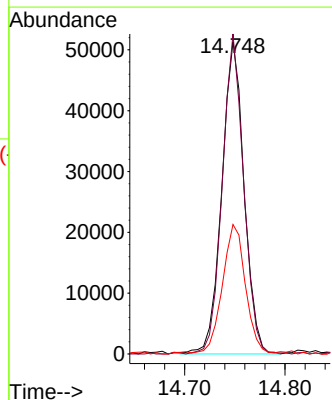
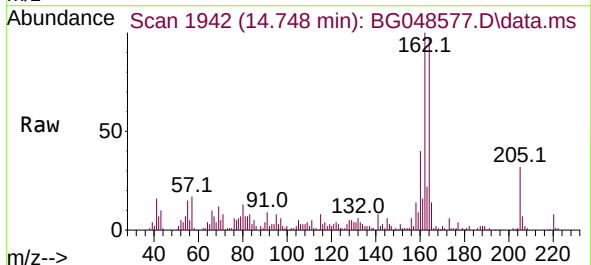
Instrument :
BNA_G
ClientSampleId :
V-211DL

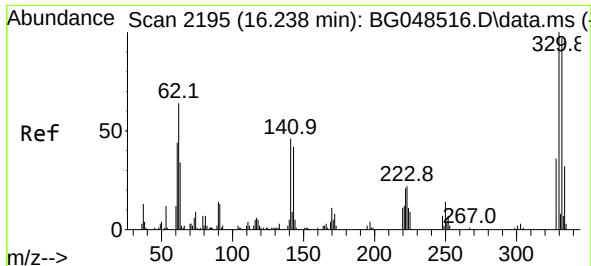
Tgt Ion:142 Resp: 224126
Ion Ratio Lower Upper
142 100
141 87.7 71.2 106.8
116 4.8 3.4 5.0



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.748 min Scan# 1942
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:164 Resp: 79187
Ion Ratio Lower Upper
164 100
162 102.6 87.0 130.6
160 41.5 38.4 57.6

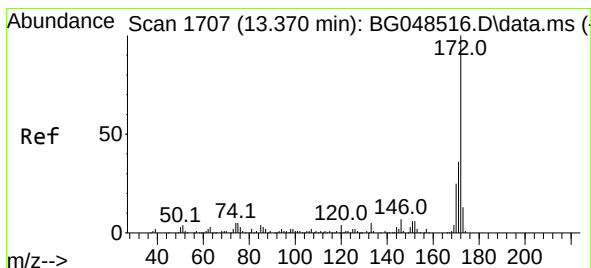
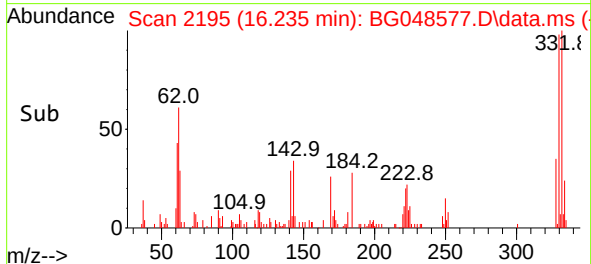
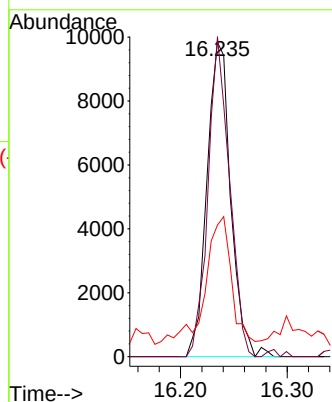
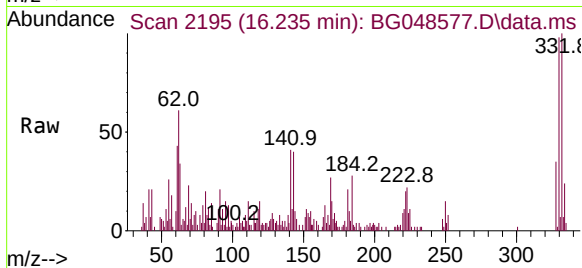




#42
2,4,6-Tribromophenol
Concen: 14.63 ng
RT: 16.235 min Scan# 2195
Delta R.T. -0.008 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

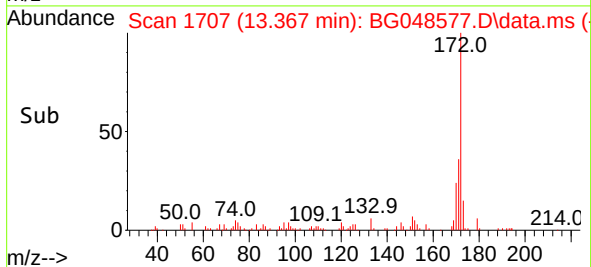
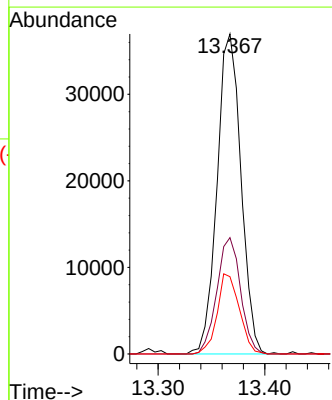
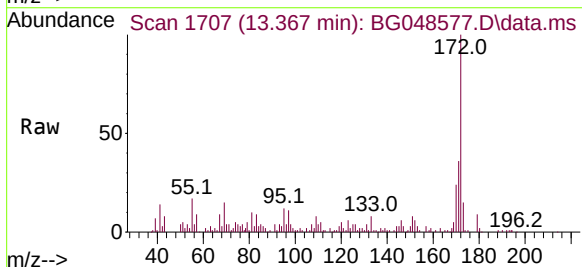
Instrument :
BNA_G
ClientSampleId :
V-211DL

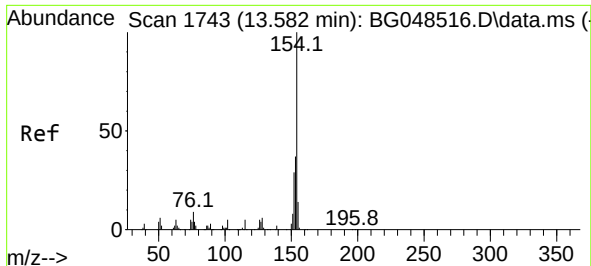
Tgt Ion:330 Resp: 15227
Ion Ratio Lower Upper
330 100
332 92.2 77.6 116.4
141 41.4 34.6 52.0



#45
2-Fluorobiphenyl
Concen: 10.80 ng
RT: 13.367 min Scan# 1707
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:172 Resp: 57536
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.1 19.8 29.6

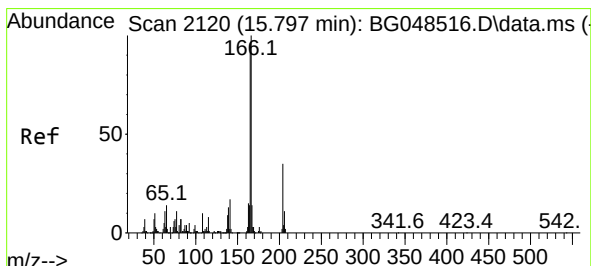
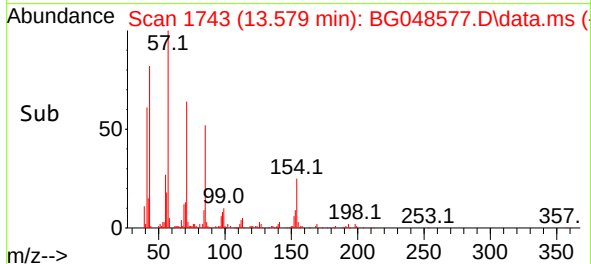
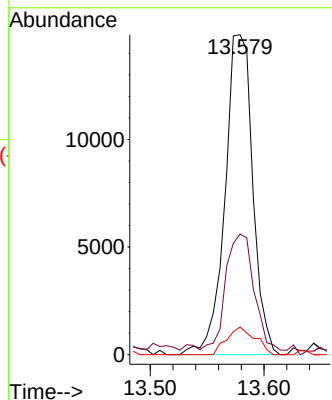
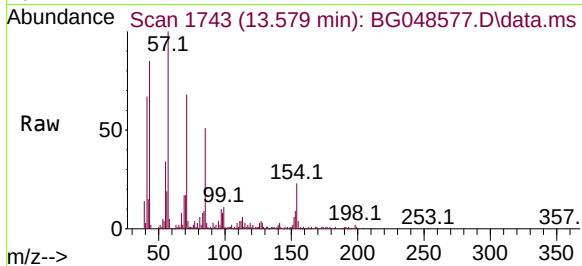




#46
1,1'-Biphenyl
Concen: 4.36 ng
RT: 13.579 min Scan# 1743
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

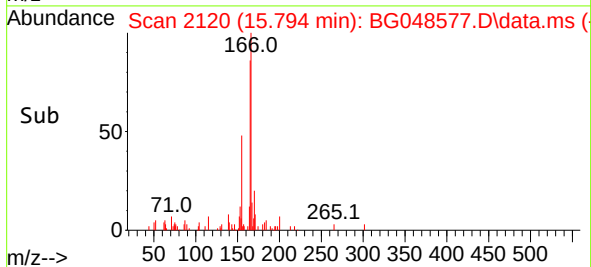
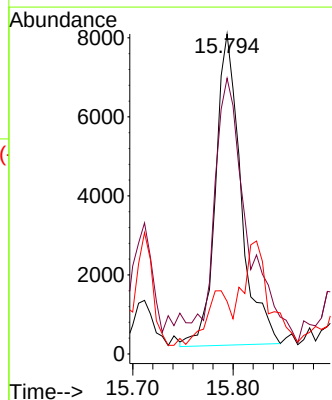
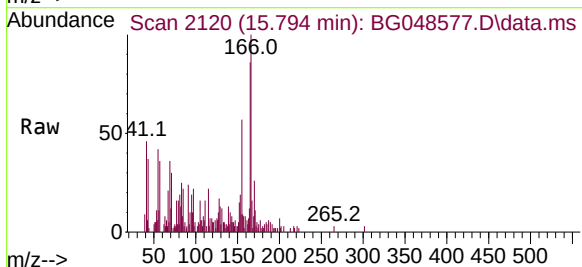
Instrument :
BNA_G
ClientSampled :
V-211DL

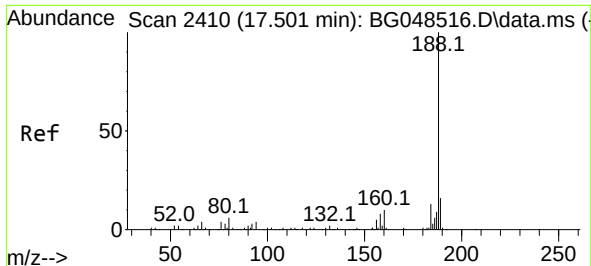
Tgt Ion:154 Resp: 25233
Ion Ratio Lower Upper
154 100
153 37.7 17.3 57.3
76 8.6 0.0 28.6



#58
Fluorene
Concen: 2.26 ng
RT: 15.794 min Scan# 2120
Delta R.T. -0.008 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:166 Resp: 13831
Ion Ratio Lower Upper
166 100
165 86.2 76.8 115.2
167 16.4 11.1 16.7

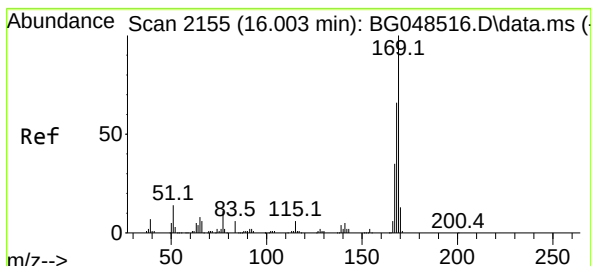
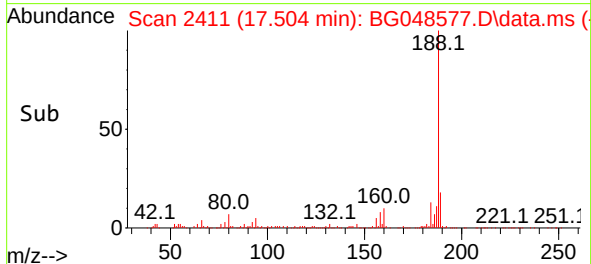
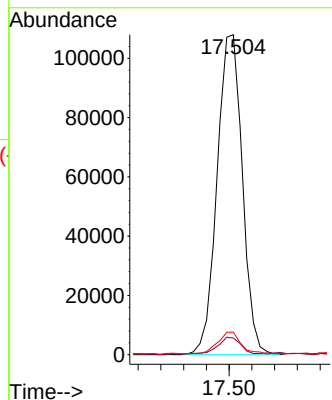
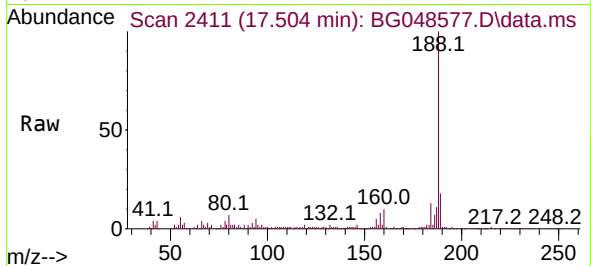




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.504 min Scan# 2411
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

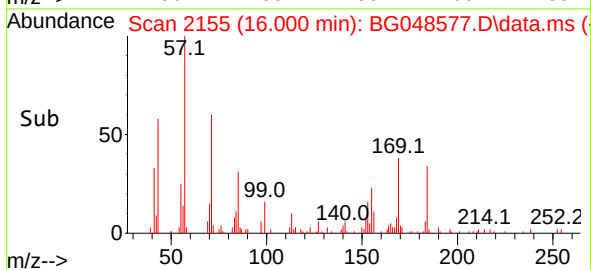
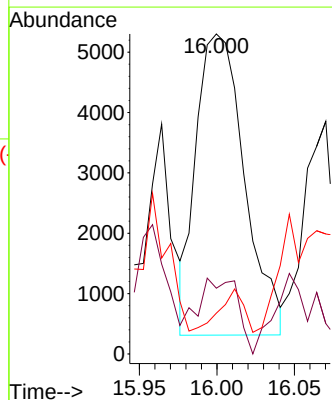
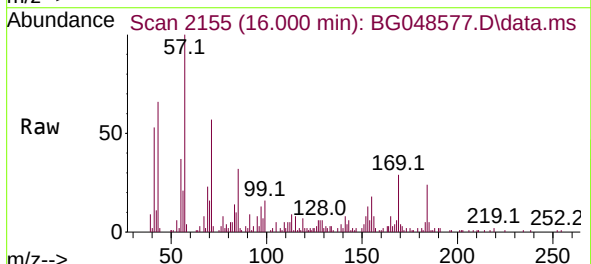
Instrument :
BNA_G
ClientSampled :
V-211DL

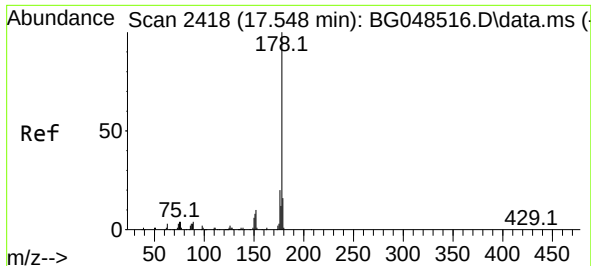
Tgt Ion:188 Resp: 166564
Ion Ratio Lower Upper
188 100
94 5.2 3.0 4.6#
80 7.1 4.5 6.7#



#66
n-Nitrosodiphenylamine
Concen: 2.28 ng
RT: 16.000 min Scan# 2155
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:169 Resp: 10821
Ion Ratio Lower Upper
169 100
168 20.6 52.7 79.1#
167 12.7 27.8 41.8#

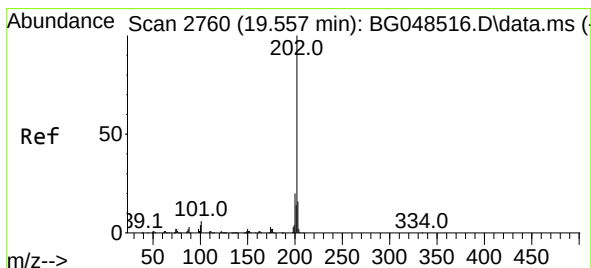
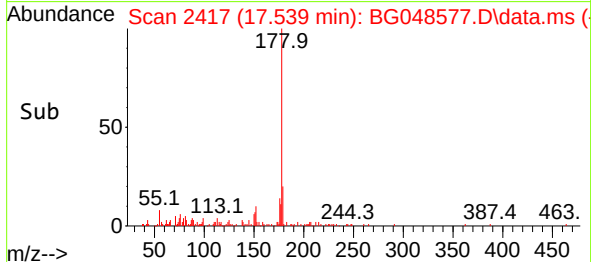
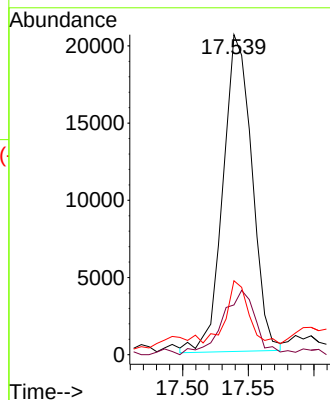
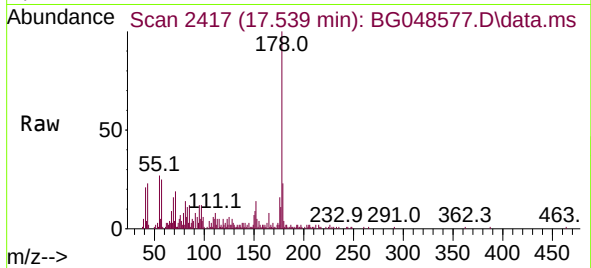




#71
Phenanthrene
Concen: 3.64 ng
RT: 17.539 min Scan# 2417
Delta R.T. -0.008 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

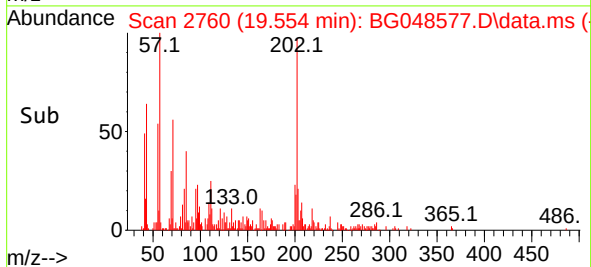
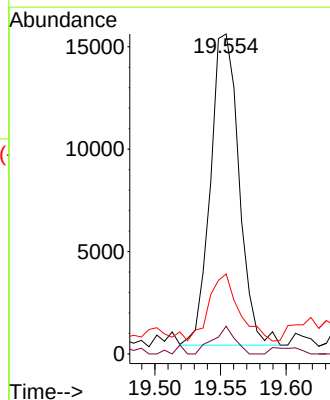
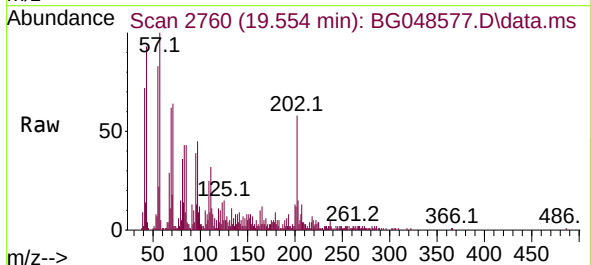
Instrument :
BNA_G
ClientSampled :
V-211DL

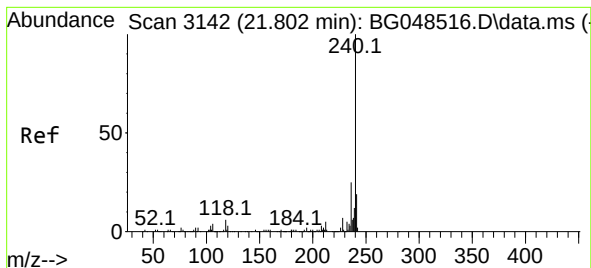
Tgt Ion:178 Resp: 31486
Ion Ratio Lower Upper
178 100
176 15.5 15.6 23.4#
179 23.1 12.9 19.3#



#75
Fluoranthene
Concen: 2.15 ng
RT: 19.554 min Scan# 2760
Delta R.T. -0.002 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:202 Resp: 23057
Ion Ratio Lower Upper
202 100
101 8.7 0.0 25.8
203 25.0 0.0 36.4





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.805 min Scan# 3143

Delta R.T. 0.003 min

Lab File: BG048577.D

Acq: 2 Apr 2021 20:39

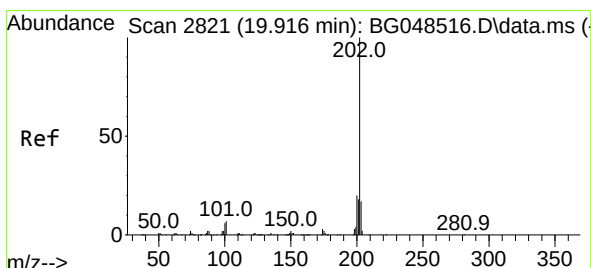
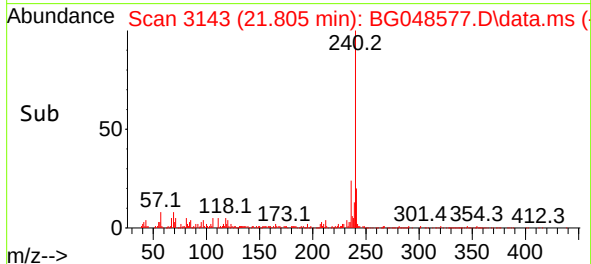
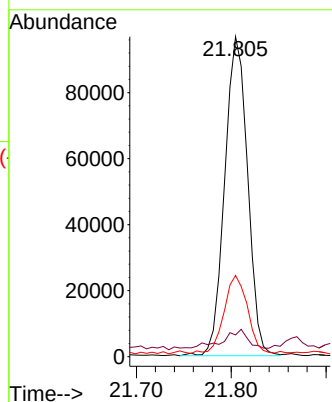
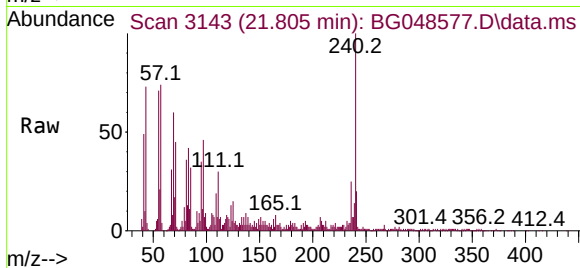
Tgt Ion:240 Resp: 161947

Ion Ratio Lower Upper

240 100

120 6.8 2.6 3.8#

236 25.4 19.8 29.6



#78

Pyrene

Concen: 3.17 ng

RT: 19.919 min Scan# 2822

Delta R.T. -0.002 min

Lab File: BG048577.D

Acq: 2 Apr 2021 20:39

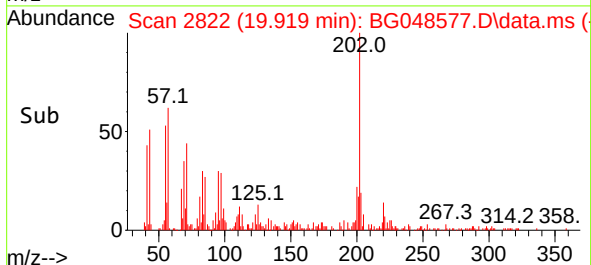
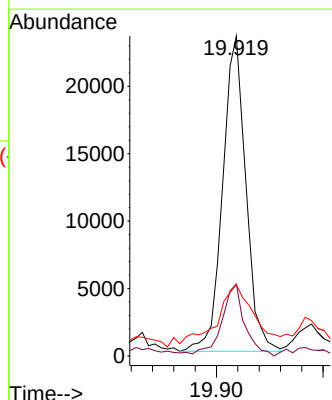
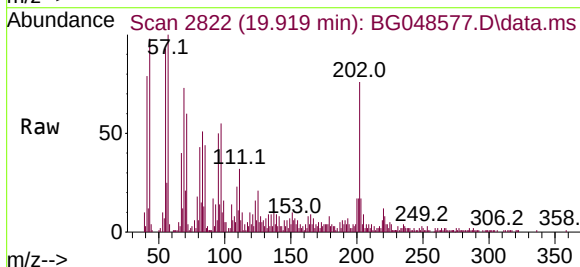
Tgt Ion:202 Resp: 35338

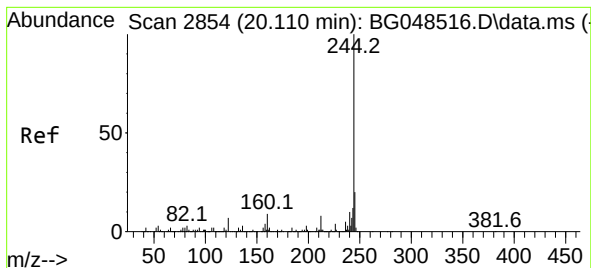
Ion Ratio Lower Upper

202 100

200 22.5 16.1 24.1

203 22.3 13.6 20.4#





#79

Terphenyl-d14

Concen: 9.36 ng

RT: 20.107 min Scan# 2854

Delta R.T. -0.008 min

Lab File: BG048577.D

Acq: 2 Apr 2021 20:39

Tgt Ion:244 Resp: 82873

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

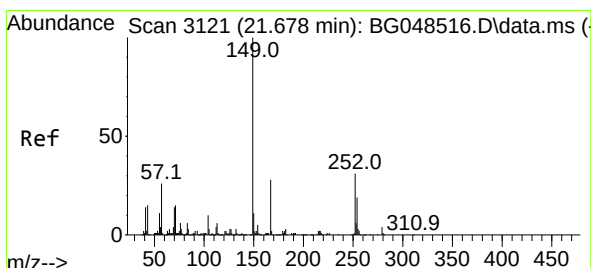
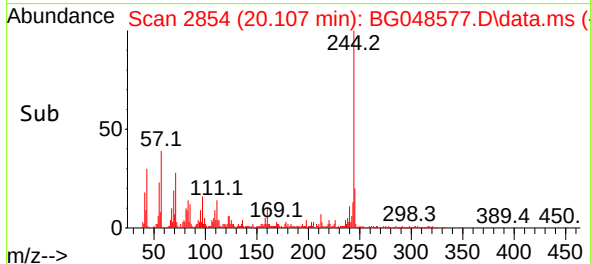
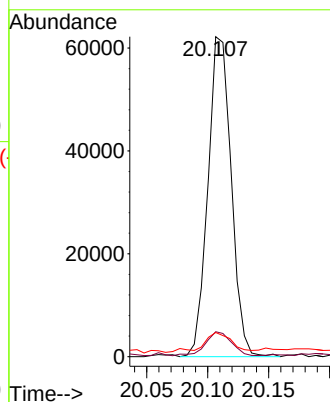
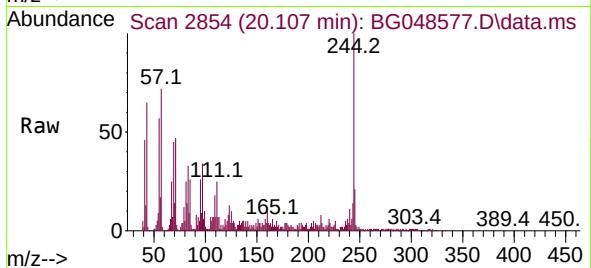
122 7.5 5.8 8.6

Instrument :

BNA_G

ClientSampleId :

V-211DL



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.56 ng

RT: 21.681 min Scan# 3122

Delta R.T. 0.003 min

Lab File: BG048577.D

Acq: 2 Apr 2021 20:39

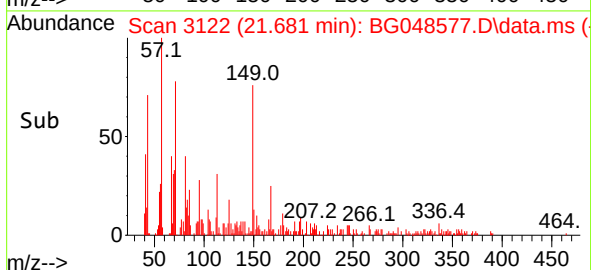
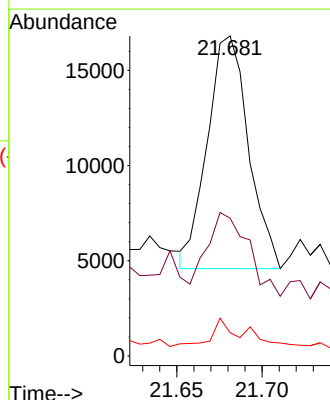
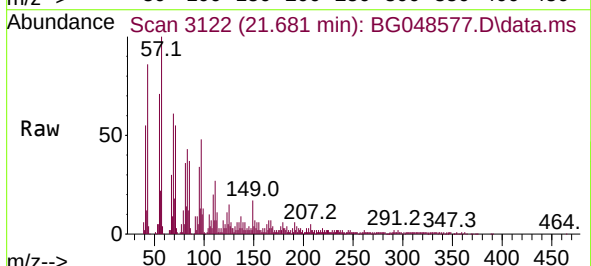
Tgt Ion:149 Resp: 20490

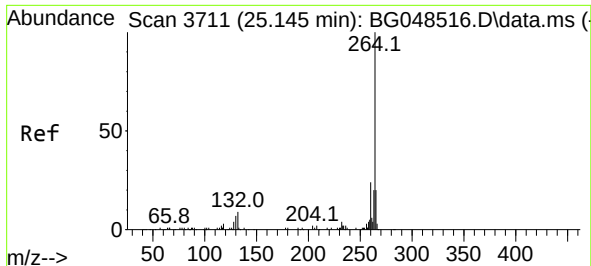
Ion Ratio Lower Upper

149 100

167 43.0 22.4 33.6#

279 7.2 3.4 5.2#

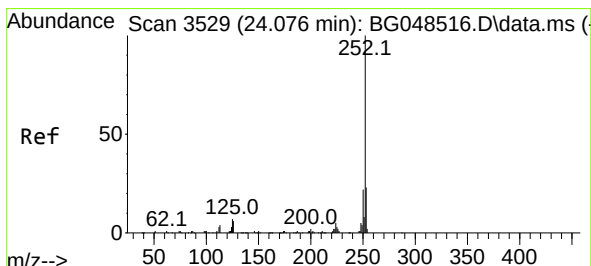
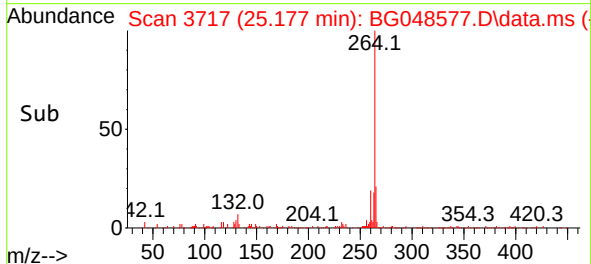
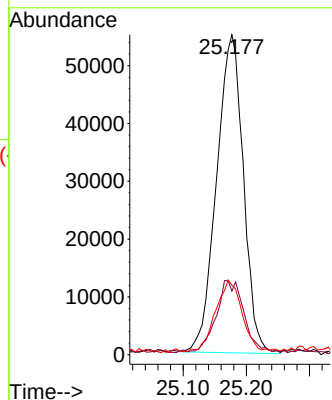
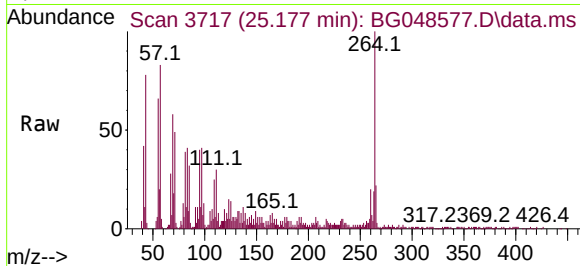




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.177 min Scan# 3717
Delta R.T. 0.027 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Instrument :
BNA_G
ClientSampled :
V-211DL

Tgt Ion:264 Resp: 161992
Ion Ratio Lower Upper
264 100
260 19.9 19.1 28.7
265 21.8 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 2.14 ng
RT: 24.090 min Scan# 3532
Delta R.T. 0.009 min
Lab File: BG048577.D
Acq: 2 Apr 2021 20:39

Tgt Ion:252 Resp: 22507
Ion Ratio Lower Upper
252 100
253 38.2 18.2 27.4#
125 175.7 5.3 7.9#

