

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101320\
 Data File : BG046880.D
 Acq On : 13 Oct 2020 19:05
 Operator : CG/JU
 Sample : L4370-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 343

Quant Time: Oct 14 01:05:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 11:38:17 2020
 Response via : Initial Calibration

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

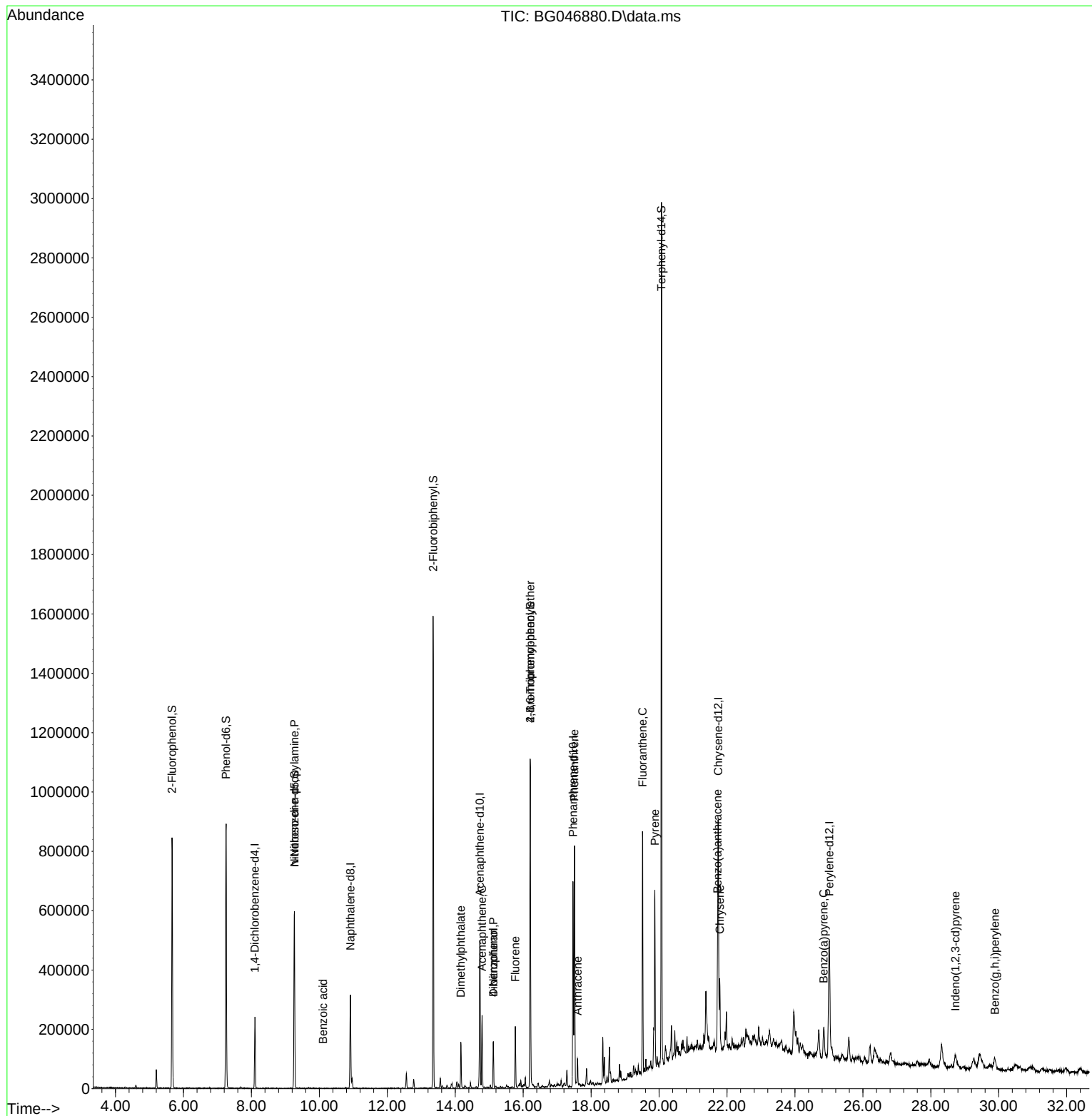
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.102	152	67240	20.00	ng	0.00
21) Naphthalene-d8	10.917	136	265715	20.00	ng	0.00
39) Acenaphthene-d10	14.724	164	180573	20.00	ng	-0.01
64) Phenanthrene-d10	17.468	188	434318	20.00	ng	#-0.01
76) Chrysene-d12	21.739	240	453420	20.00	ng	#-0.02
86) Perylene-d12	25.012	264	465428	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.664	112	349601	83.29	ng	0.00
7) Phenol-d6	7.256	99	484648	81.86	ng	0.00
23) Nitrobenzene-d5	9.266	82	359296	71.94	ng	0.00
42) 2,4,6-Tribromophenol	16.211	330	217556	91.37	ng	0.00
45) 2-Fluorobiphenyl	13.349	172	812485	63.70	ng	-0.01
79) Terphenyl-d14	20.071	244	1284321	56.77	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.250	77	1122	Below Cal	#	11
19) n-Nitroso-di-n-propyla...	9.266	70	51023	12.57	ng	# 79
32) Benzoic acid	10.112	122	69	6.37	ng	# 1
50) Dimethylphthalate	14.166	163	101899	7.06	ng	# 98
52) Acenaphthene	14.789	154	94712	8.40	ng	93
55) Dibenzofuran	15.124	168	103224	6.06	ng	99
56) 4-Nitrophenol	15.124	139	38933	17.85	ng	# 13
58) Fluorene	15.770	166	93333	6.85	ng	99
67) 4-Bromophenyl-phenylether	16.211	248	15070	2.75	ng	# 1
71) Phenanthrene	17.509	178	530511	22.50	ng	97
72) Anthracene	17.603	178	63117	2.71	ng	94
75) Fluoranthene	19.513	202	525876	17.51	ng	96
78) Pyrene	19.877	202	410287	14.08	ng	96
81) Benzo(a)anthracene	21.722	228	157175	5.19	ng	96
83) Chrysene	21.786	228	180099	6.23	ng	97
87) Indeno(1,2,3-cd)pyrene	28.725	276	83273	2.42	ng	# 71
90) Benzo(a)pyrene	24.847	252	124830	4.35	ng	96
92) Benzo(g,h,i)perylene	29.889	276	76864	2.79	ng	# 90

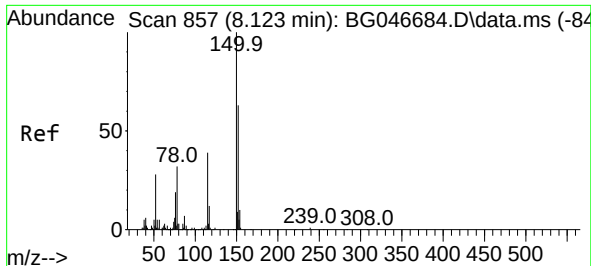
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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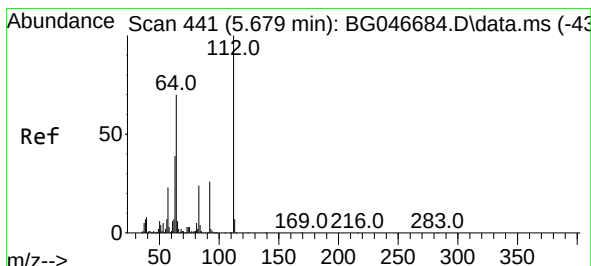
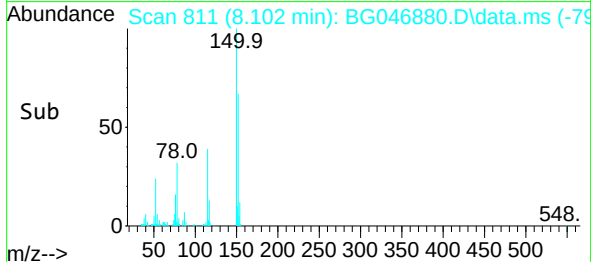
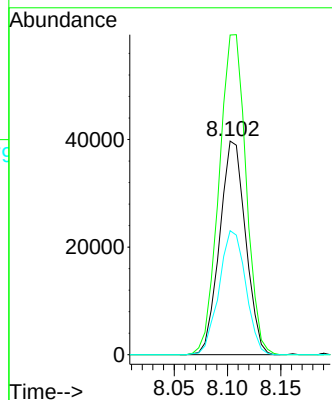
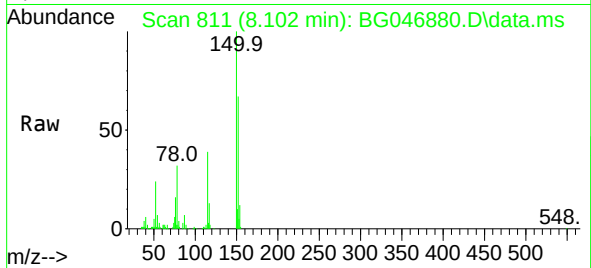




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.102 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

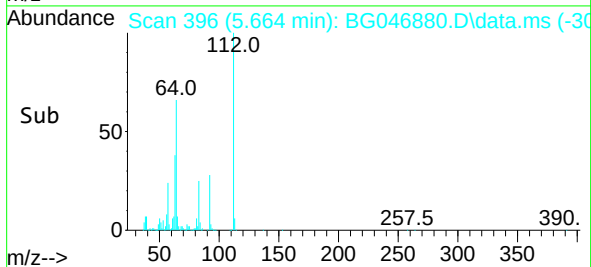
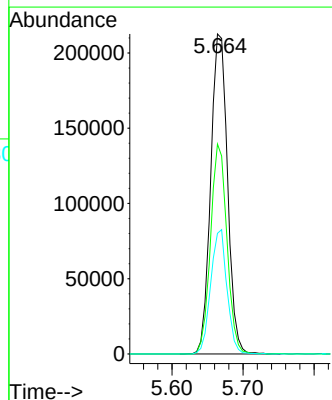
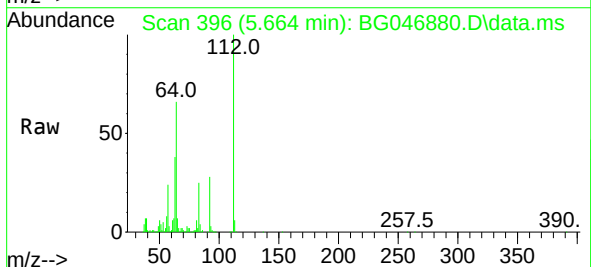
Instrument :
BNA_G
ClientSampled :
343

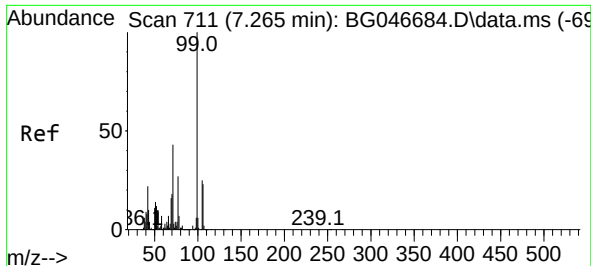
Tgt Ion:152 Resp: 67240
Ion Ratio Lower Upper
152 100
150 149.7 125.0 187.6
115 58.1 41.8 62.6



#5
2-Fluorophenol
Concen: 83.29 ng
RT: 5.664 min Scan# 396
Delta R.T. -0.005 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:112 Resp: 349601
Ion Ratio Lower Upper
112 100
64 65.6 46.7 70.1
63 37.7 22.8 34.2#

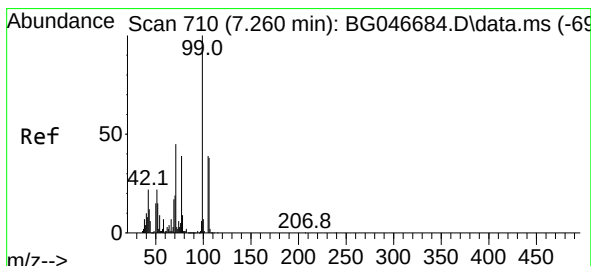
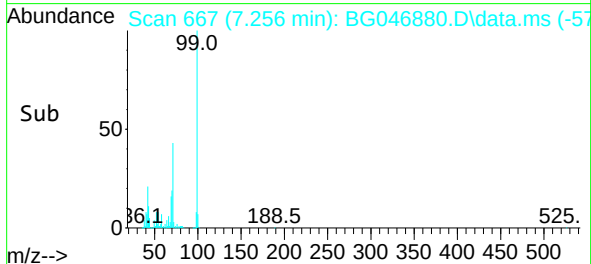
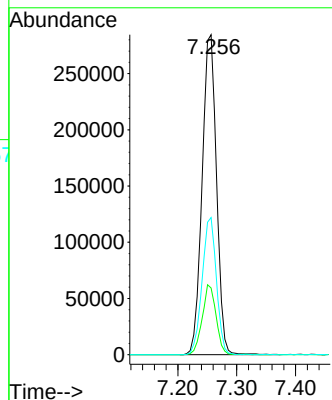
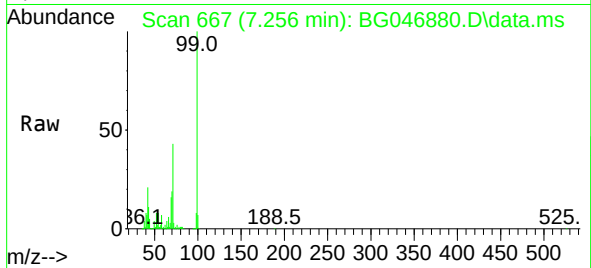




#7
Phenol-d6
Concen: 81.86 ng
RT: 7.256 min Scan# 667
Delta R.T. 0.000 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

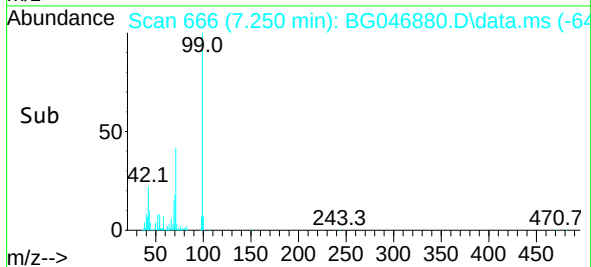
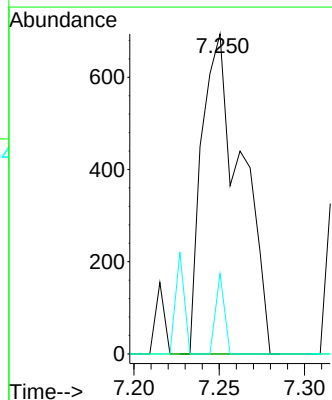
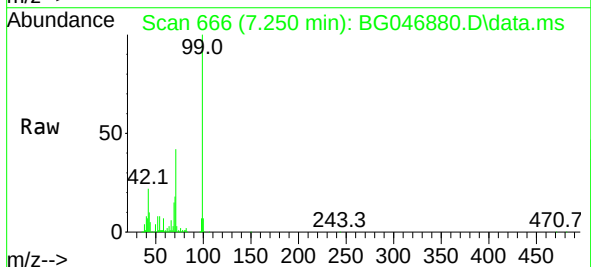
Instrument :
BNA_G
ClientSampleId :
343

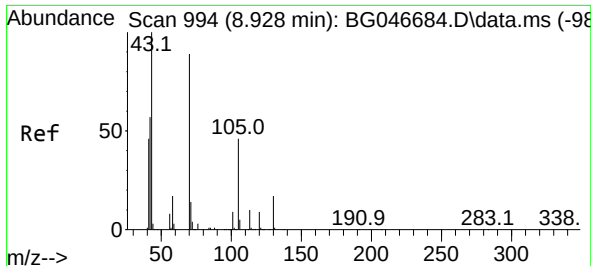
Tgt Ion: 99 Resp: 484648
Ion Ratio Lower Upper
99 100
42 20.8 12.8 19.2#
71 42.9 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.250 min Scan# 666
Delta R.T. 0.006 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion: 77 Resp: 1122
Ion Ratio Lower Upper
77 100
105 0.0 85.9 125.9#
106 25.1 80.9 120.9#

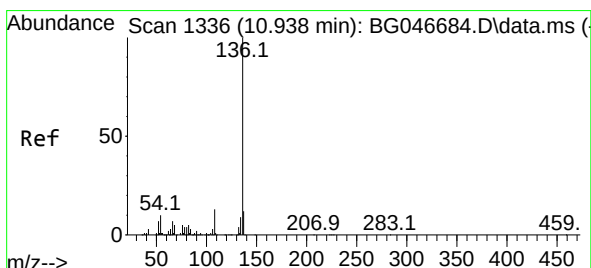
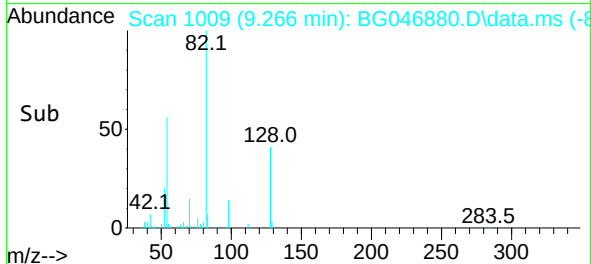
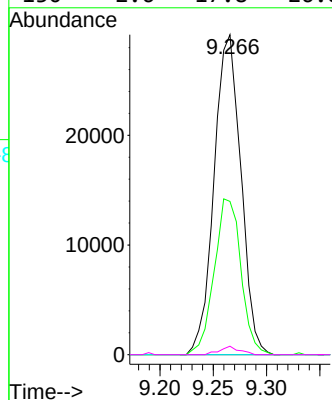
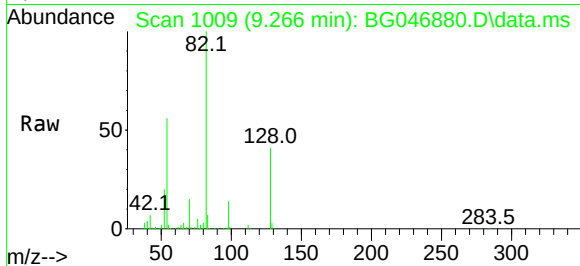




#19
n-Nitroso-di-n-propylamine
Concen: 12.57 ng
RT: 9.266 min Scan# 1009
Delta R.T. 0.353 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

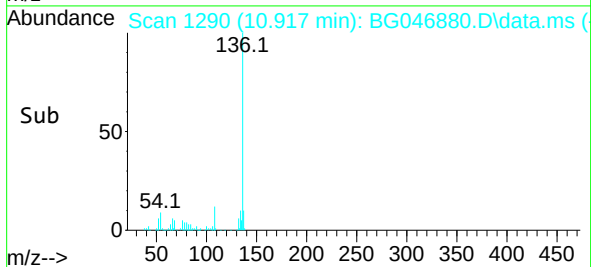
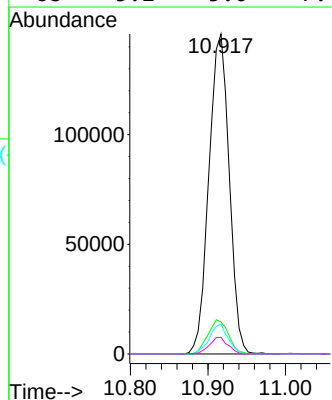
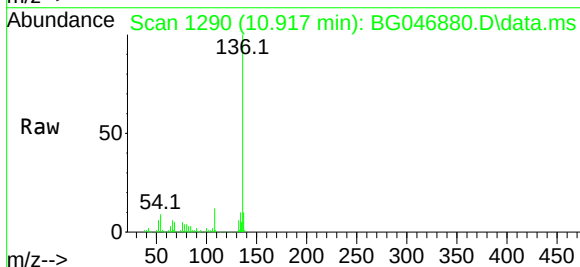
Instrument :
BNA_G
ClientSampled :
343

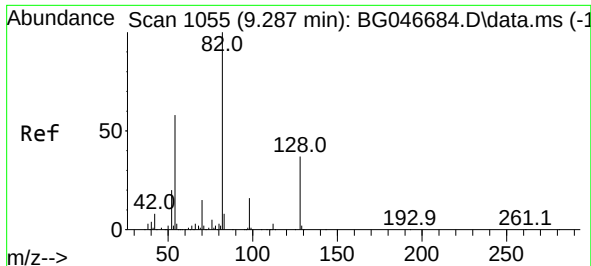
Tgt Ion:	70	Resp:	51023
Ion	Ratio	Lower	Upper
70	100		
42	47.9	45.6	68.4
101	0.0	8.4	12.6#
130	2.6	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.917 min Scan# 1290
Delta R.T. -0.005 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:	136	Resp:	265715
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.1	13.7
54	9.3	6.2	9.4
68	5.2	5.0	7.4

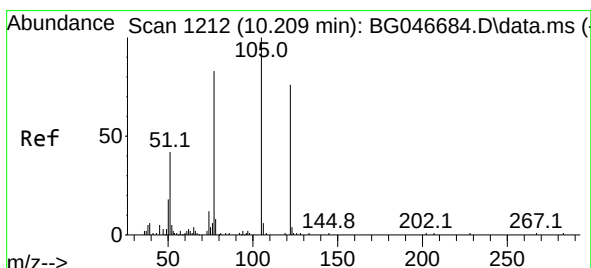
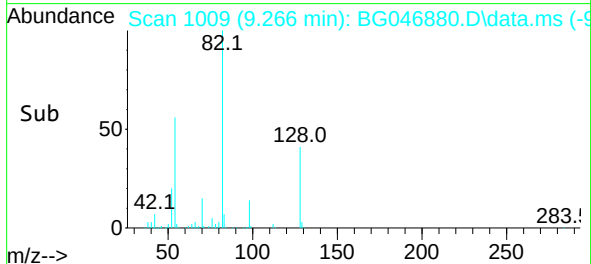
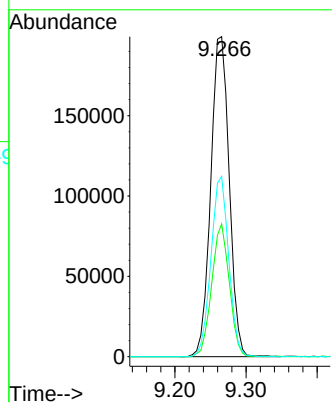
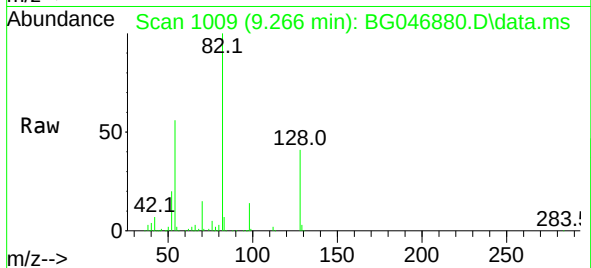




#23
Nitrobenzene-d5
Concen: 71.94 ng
RT: 9.266 min Scan# 1009
Delta R.T. -0.005 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

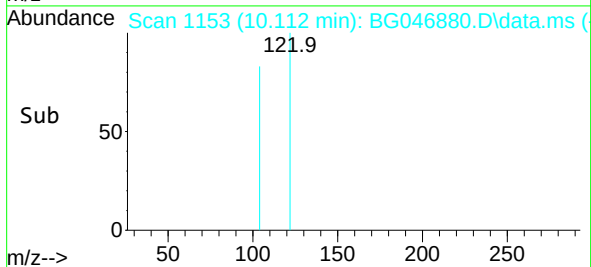
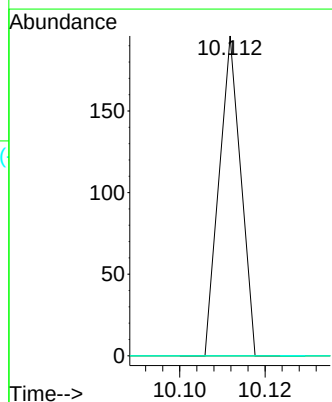
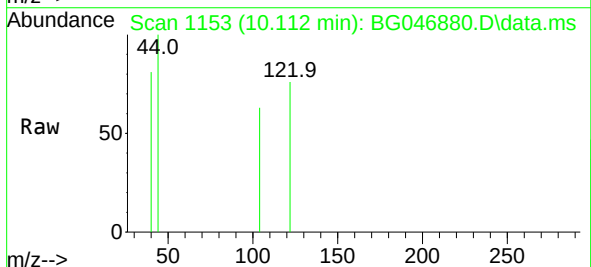
Instrument :
BNA_G
ClientSampleId :
343

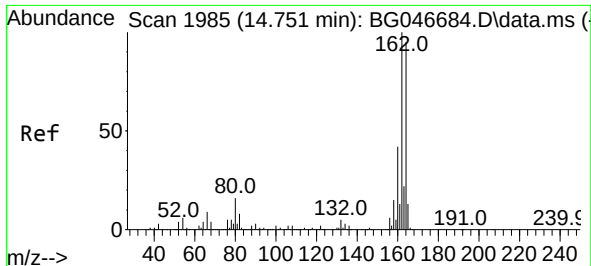
Tgt Ion: 82 Resp: 359296
Ion Ratio Lower Upper
82 100
128 41.5 37.0 55.6
54 56.4 39.0 58.4



#32
Benzoic acid
Concen: 6.37 ng
RT: 10.112 min Scan# 1153
Delta R.T. -0.082 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

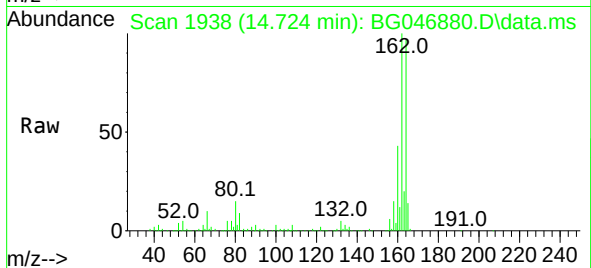
Tgt Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 103.7 143.7#
77 0.0 63.0 103.0#



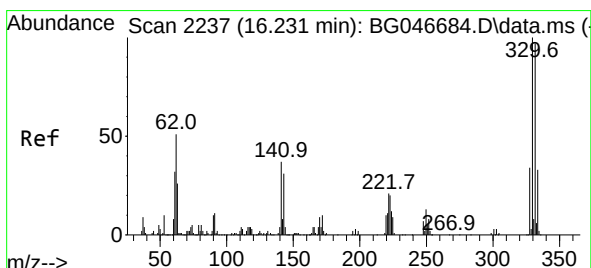
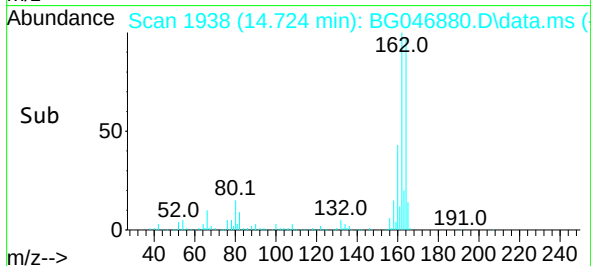
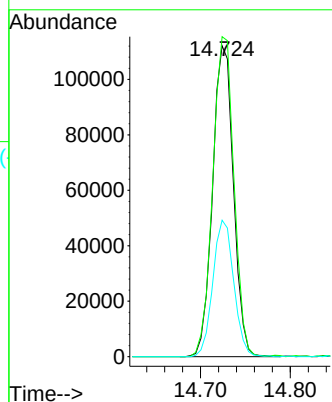


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.724 min Scan# 1938
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Instrument :
BNA_G
ClientSampled :
343

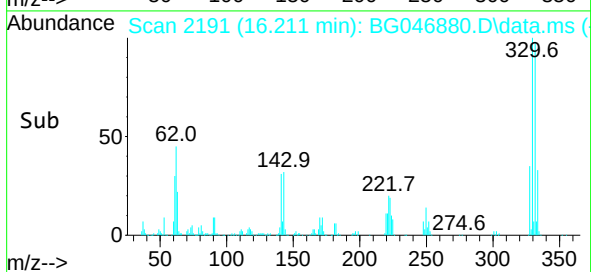
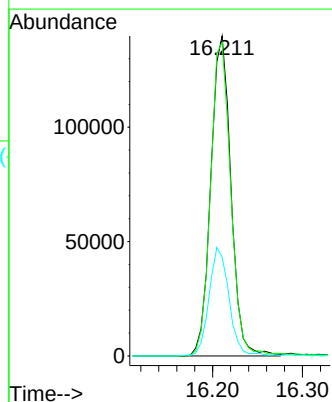
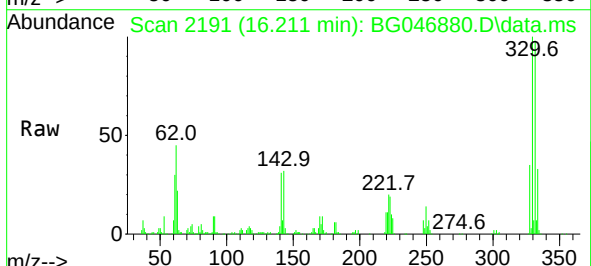


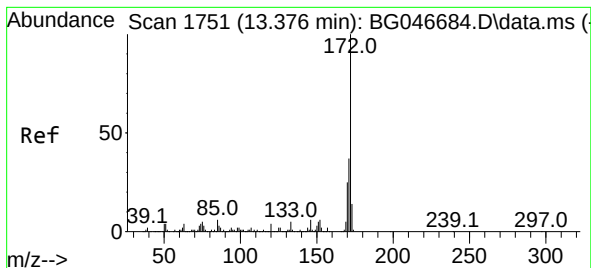
Tgt Ion:164 Resp: 180573
Ion Ratio Lower Upper
164 100
162 102.9 82.3 123.5
160 43.9 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 91.37 ng
RT: 16.211 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:330 Resp: 217556
Ion Ratio Lower Upper
330 100
332 98.9 76.5 114.7
141 33.8 26.0 39.0

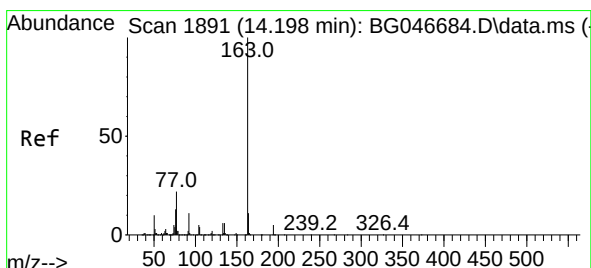
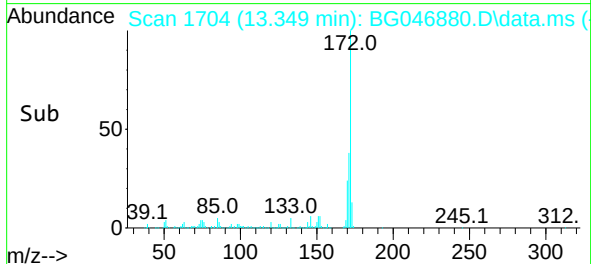
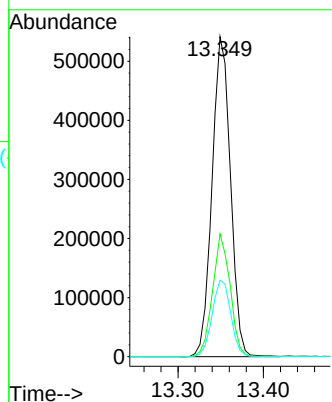
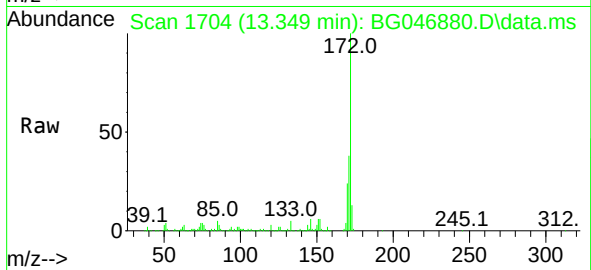




#45
2-Fluorobiphenyl
Concen: 63.70 ng
RT: 13.349 min Scan# 1704
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

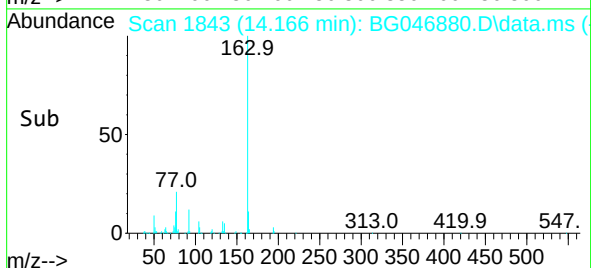
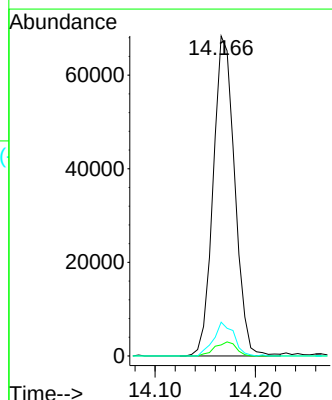
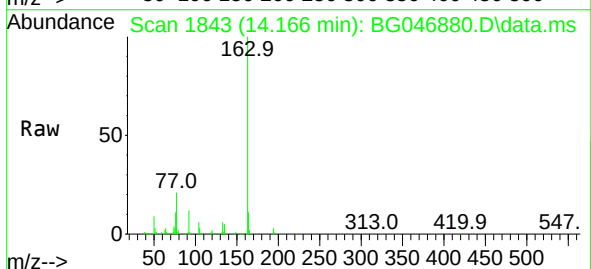
Instrument :
BNA_G
ClientSampled :
343

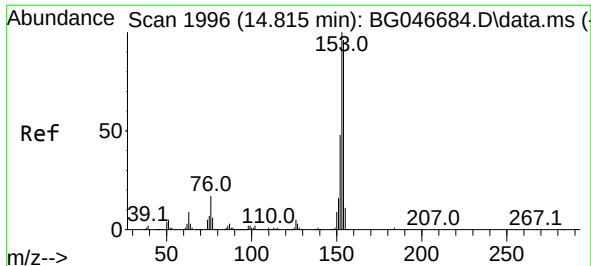
Tgt Ion:172 Resp: 812485
Ion Ratio Lower Upper
172 100
171 38.4 31.3 46.9
170 23.9 20.8 31.2



#50
Dimethylphthalate
Concen: 7.06 ng
RT: 14.166 min Scan# 1843
Delta R.T. -0.017 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

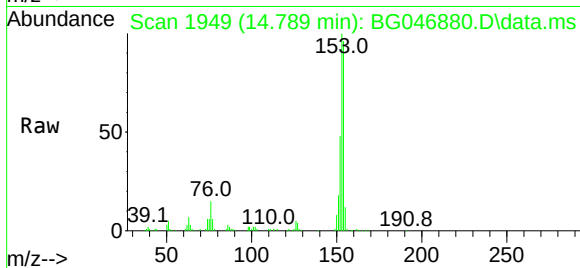
Tgt Ion:163 Resp: 101899
Ion Ratio Lower Upper
163 100
194 3.5 3.8 5.8#
164 10.6 8.8 13.2



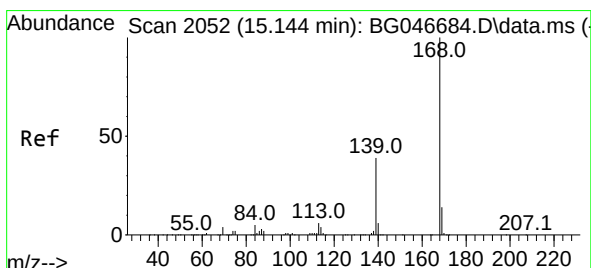
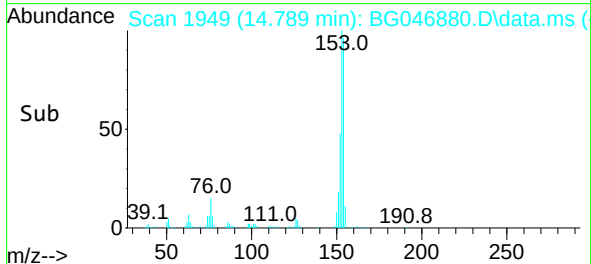
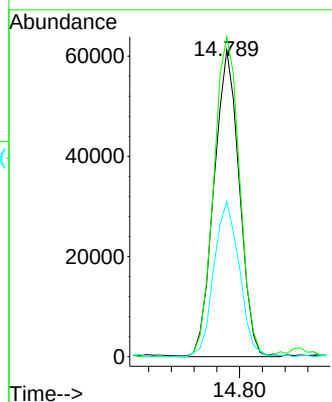


#52
Acenaphthene
Concen: 8.40 ng
RT: 14.789 min Scan# 1949
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Instrument :
BNA_G
ClientSampled :
343

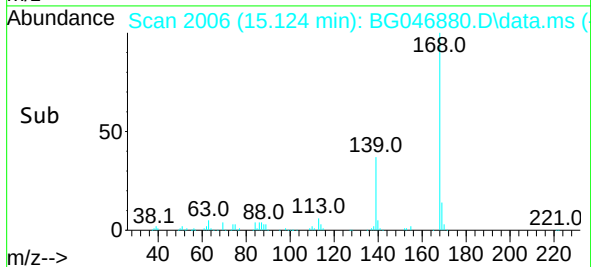
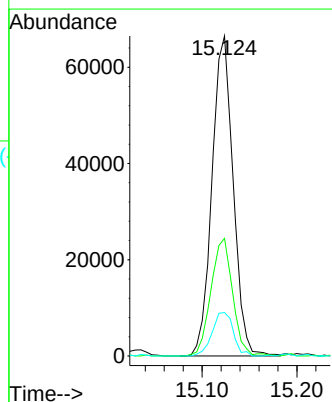
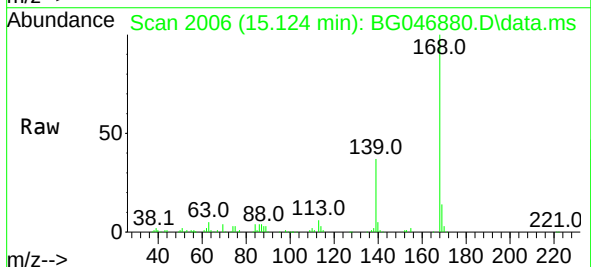


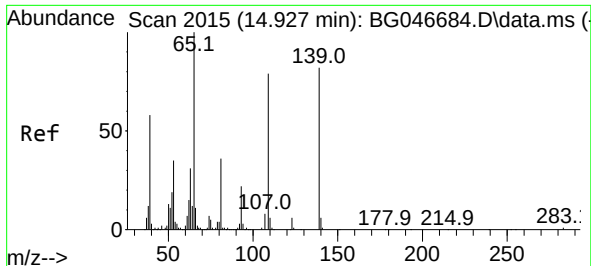
Tgt Ion:154 Resp: 94712
Ion Ratio Lower Upper
154 100
153 104.4 90.3 135.5
152 50.6 43.8 65.8



#55
Dibenzofuran
Concen: 6.06 ng
RT: 15.124 min Scan# 2006
Delta R.T. -0.005 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:168 Resp: 103224
Ion Ratio Lower Upper
168 100
139 36.7 28.6 43.0
169 13.5 11.0 16.6

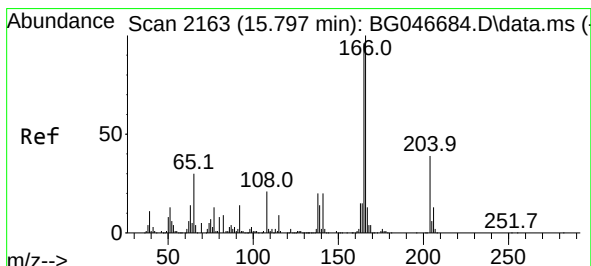
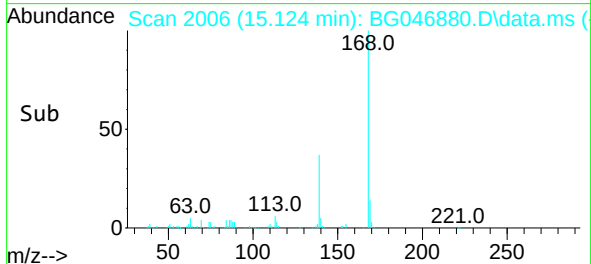
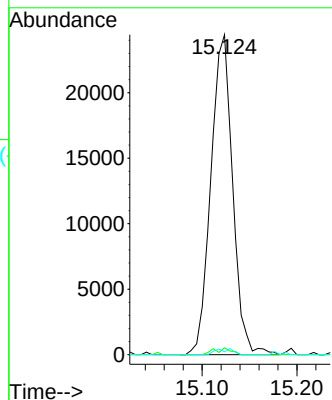
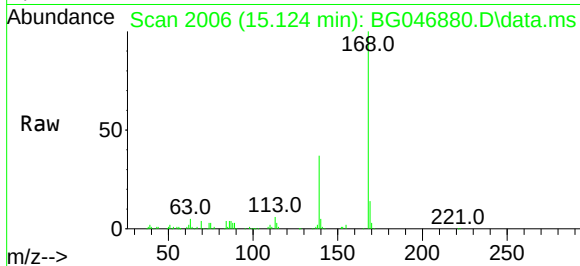




#56
4-Nitrophenol
Concen: 17.85 ng
RT: 15.124 min Scan# 2006
Delta R.T. 0.200 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

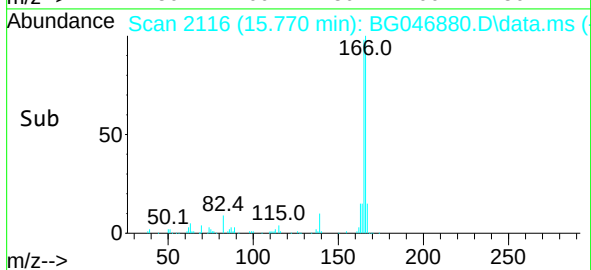
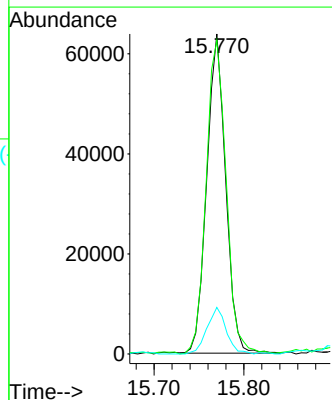
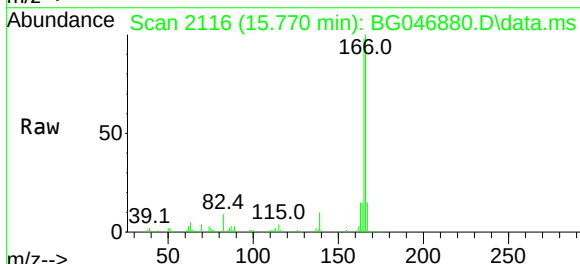
Instrument :
BNA_G
ClientSampled :
343

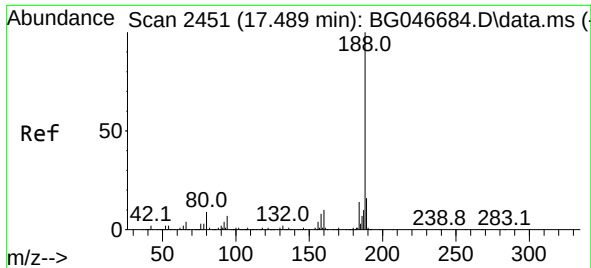
Tgt Ion:139 Resp: 38933
Ion Ratio Lower Upper
139 100
109 2.1 45.9 85.9#
65 0.9 65.4 105.4#



#58
Fluorene
Concen: 6.85 ng
RT: 15.770 min Scan# 2116
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:166 Resp: 93333
Ion Ratio Lower Upper
166 100
165 98.0 77.2 115.8
167 14.6 11.4 17.2

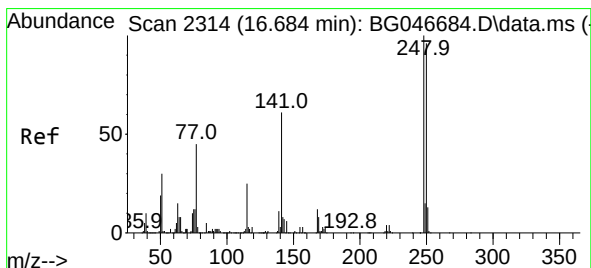
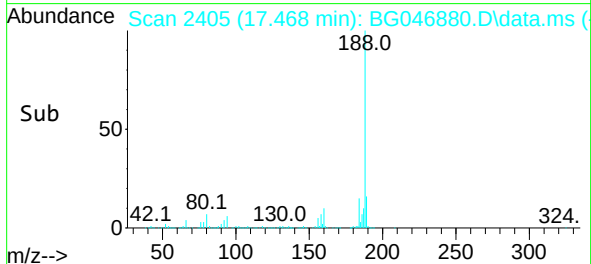
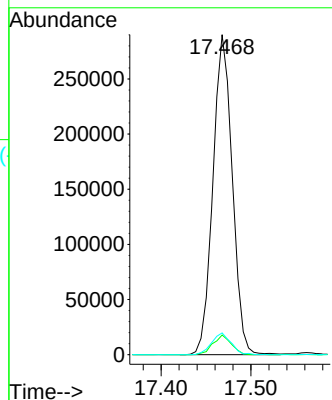
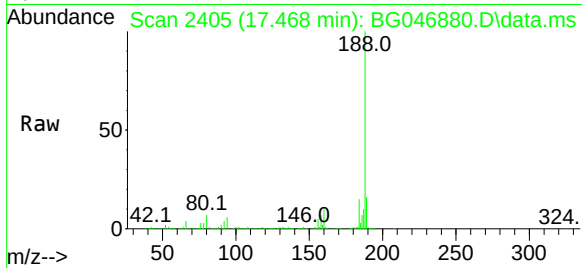




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.468 min Scan# 2405
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

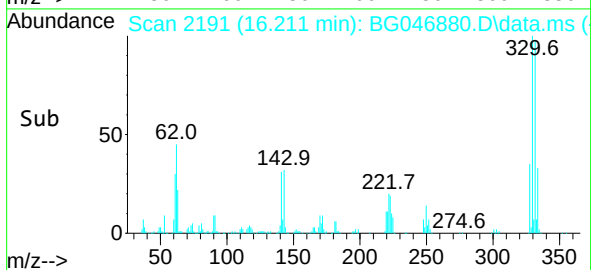
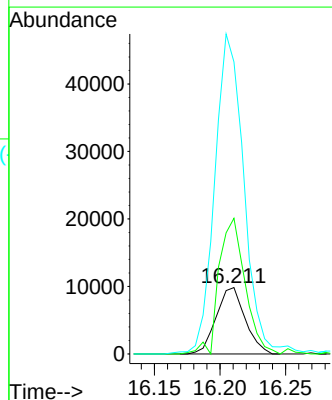
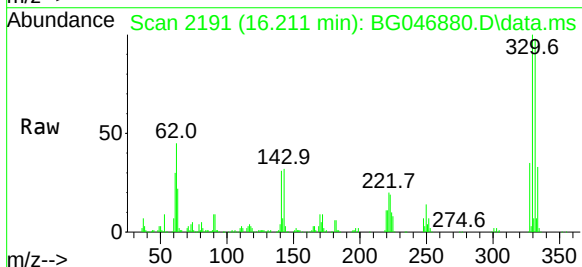
Instrument :
BNA_G
ClientSampleId :
343

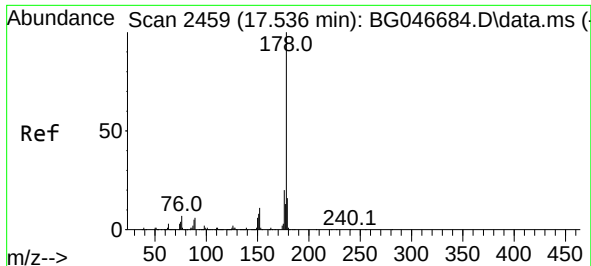
Tgt Ion:188 Resp: 434318
Ion Ratio Lower Upper
188 100
94 6.2 6.3 9.5#
80 6.8 7.0 10.6#



#67
4-Bromophenyl-phenylether
Concen: 2.75 ng
RT: 16.211 min Scan# 2191
Delta R.T. -0.452 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:248 Resp: 15070
Ion Ratio Lower Upper
248 100
250 185.1 78.9 118.3#
141 314.8 46.2 69.4#

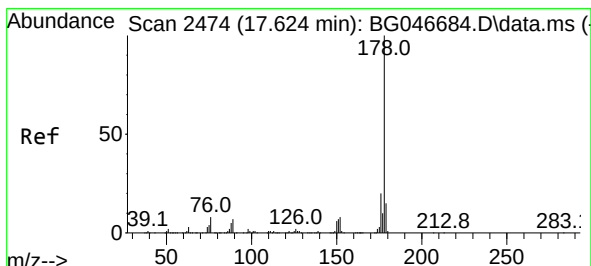
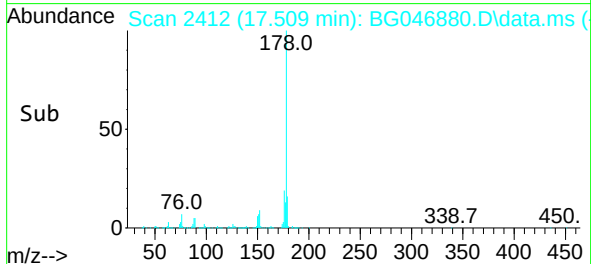
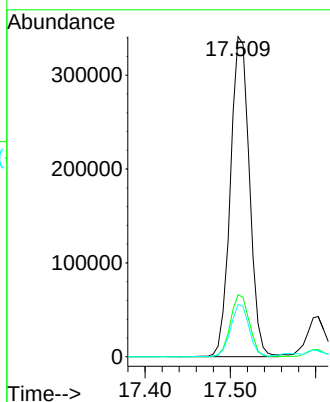
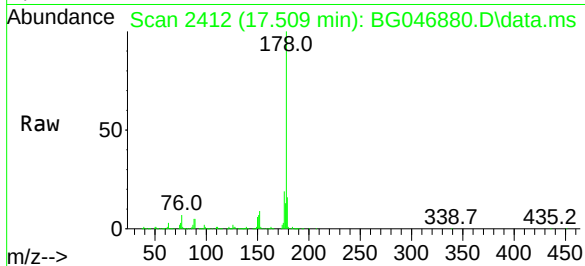




#71
Phenanthrene
Concen: 22.50 ng
RT: 17.509 min Scan# 2412
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

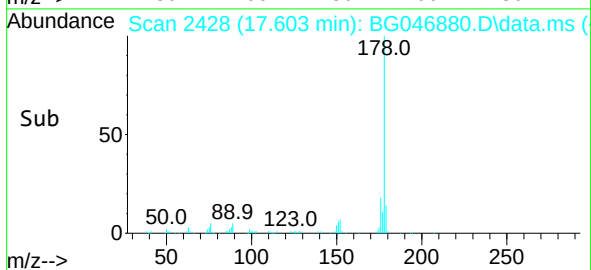
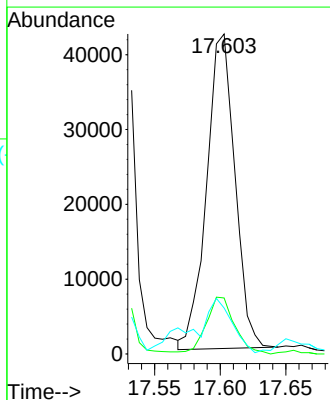
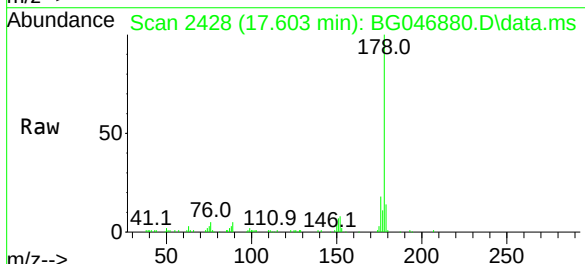
Instrument :
BNA_G
ClientSampled :
343

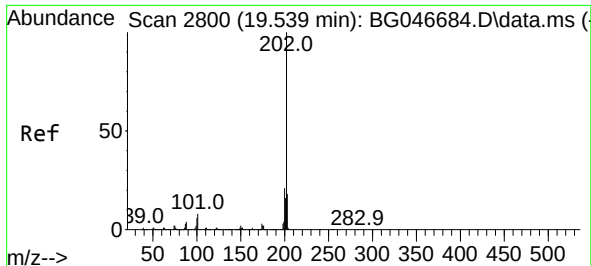
Tgt Ion:178 Resp: 530511
Ion Ratio Lower Upper
178 100
176 19.4 16.7 25.1
179 16.2 14.0 21.0



#72
Anthracene
Concen: 2.71 ng
RT: 17.603 min Scan# 2428
Delta R.T. -0.005 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:178 Resp: 63117
Ion Ratio Lower Upper
178 100
176 17.5 16.4 24.6
179 14.4 13.8 20.6

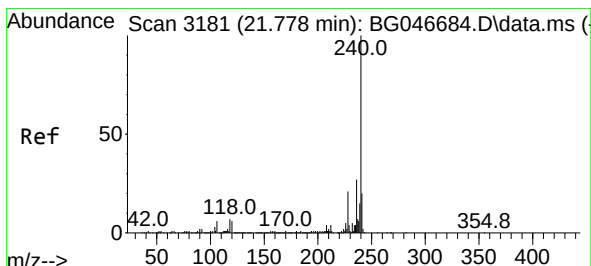
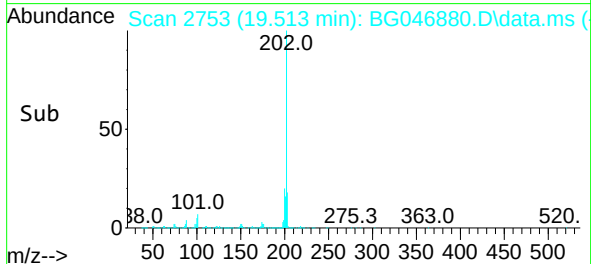
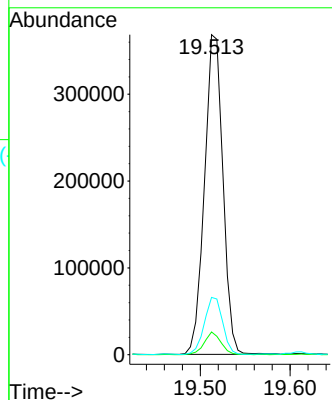
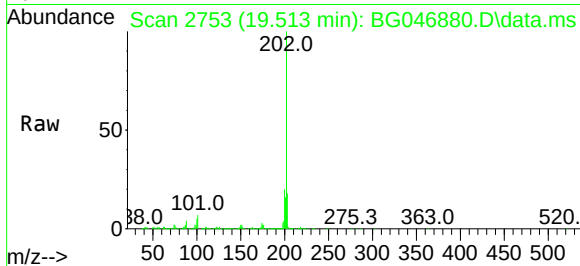




#75
Fluoranthene
Concen: 17.51 ng
RT: 19.513 min Scan# 2753
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

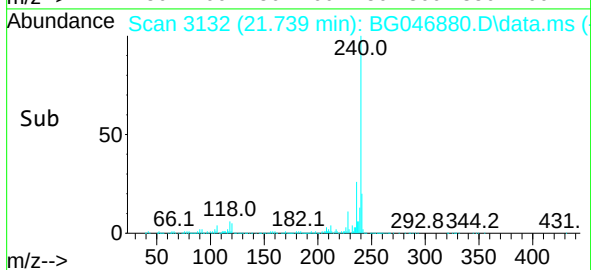
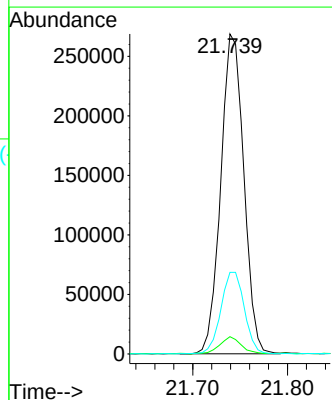
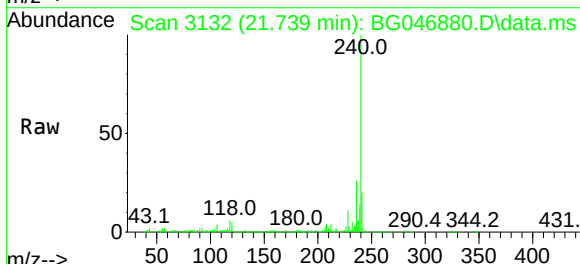
Instrument :
BNA_G
ClientSampleId :
343

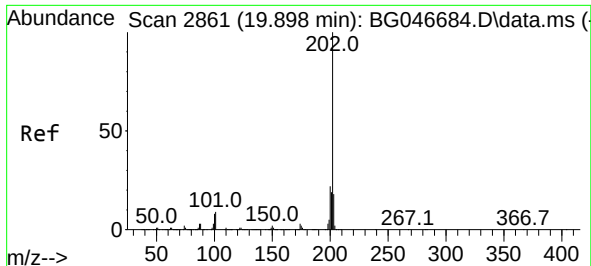
Tgt Ion:202 Resp: 525876
Ion Ratio Lower Upper
202 100
101 7.1 0.0 29.7
203 17.9 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.739 min Scan# 3132
Delta R.T. -0.017 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:240 Resp: 453420
Ion Ratio Lower Upper
240 100
120 5.4 6.2 9.4#
236 25.5 20.5 30.7

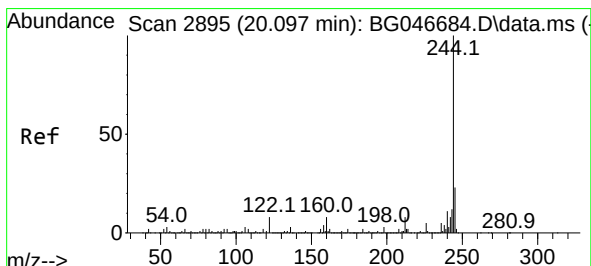
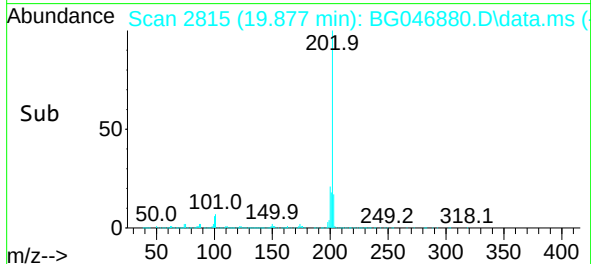
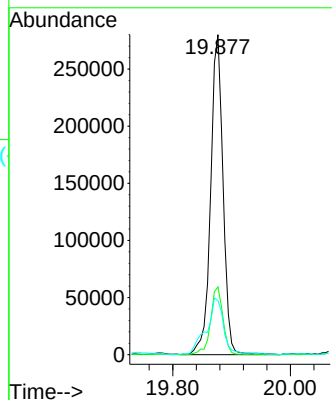
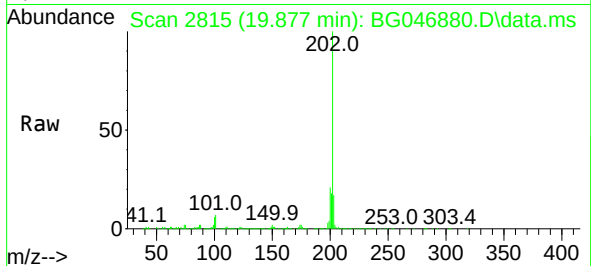




#78
Pyrene
Concen: 14.08 ng
RT: 19.877 min Scan# 2815
Delta R.T. -0.005 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

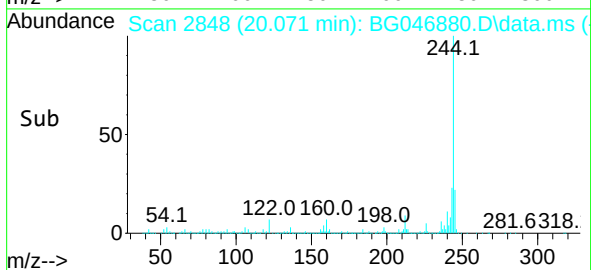
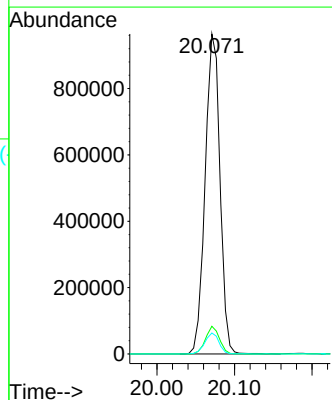
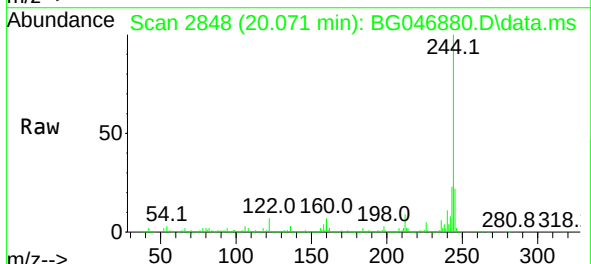
Instrument :
BNA_G
ClientSampled :
343

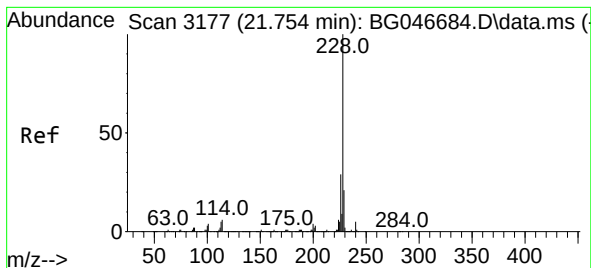
Tgt Ion:202 Resp: 410287
Ion Ratio Lower Upper
202 100
200 21.2 18.6 27.8
203 16.9 15.3 22.9



#79
Terphenyl-d14
Concen: 56.77 ng
RT: 20.071 min Scan# 2848
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:244 Resp: 1284321
Ion Ratio Lower Upper
244 100
212 8.7 6.7 10.1
122 6.5 7.8 11.6#

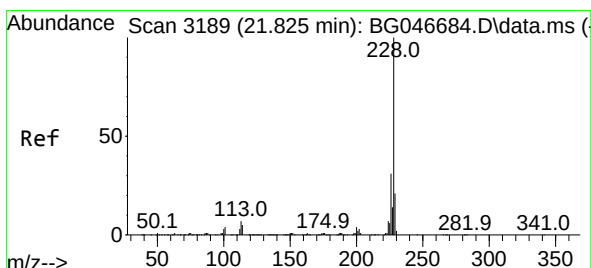
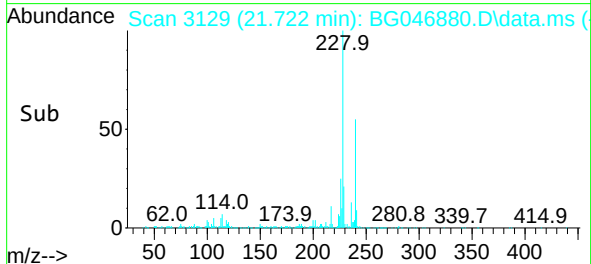
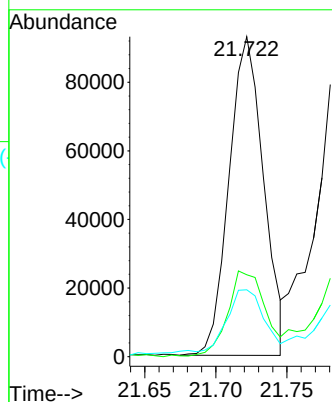
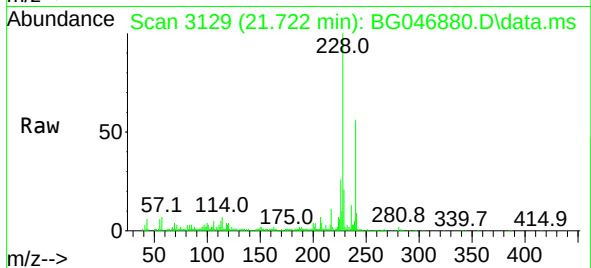




#81
Benzo(a)anthracene
Concen: 5.19 ng
RT: 21.722 min Scan# 3129
Delta R.T. -0.011 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

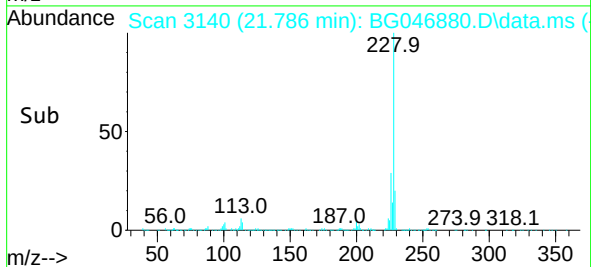
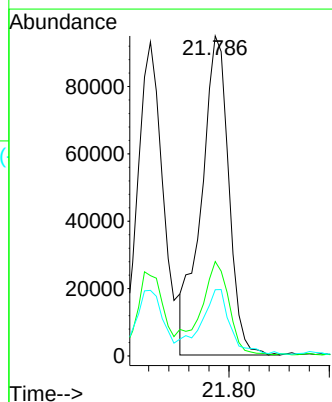
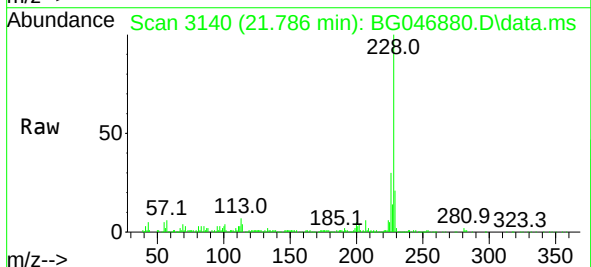
Instrument :
BNA_G
ClientSampled :
343

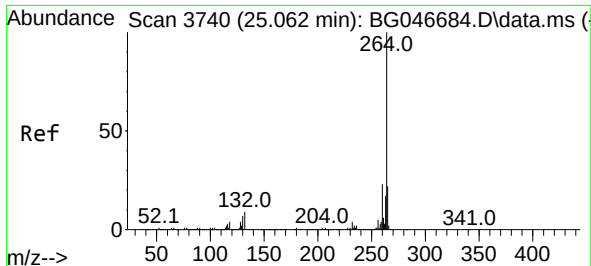
Tgt Ion:228 Resp: 157175
Ion Ratio Lower Upper
228 100
226 25.6 23.3 34.9
229 20.9 17.4 26.0



#83
Chrysene
Concen: 6.23 ng
RT: 21.786 min Scan# 3140
Delta R.T. -0.017 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

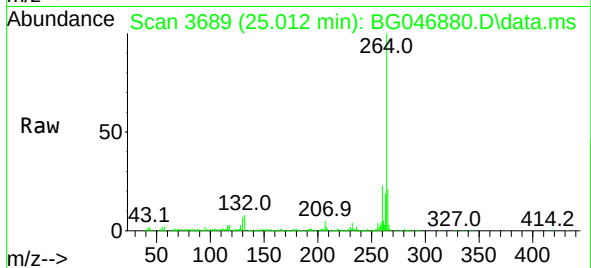
Tgt Ion:228 Resp: 180099
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.4
229 20.7 17.3 25.9



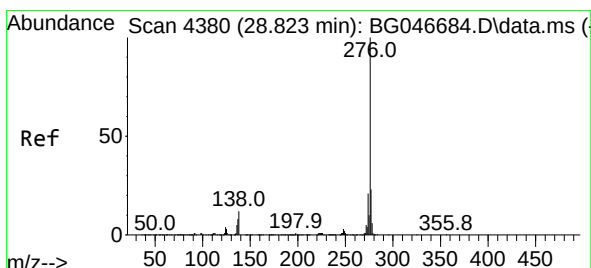
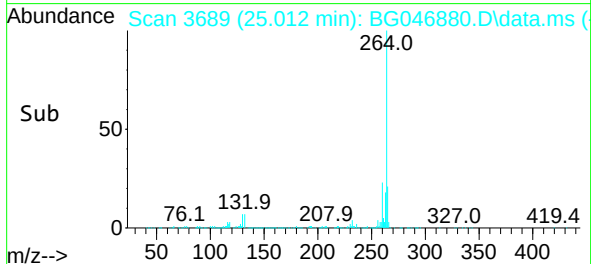
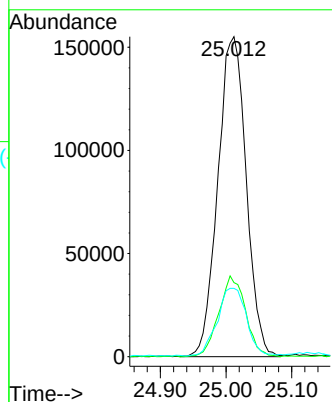


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.012 min Scan# 3689
Delta R.T. -0.017 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Instrument :
BNA_G
ClientSampled :
343

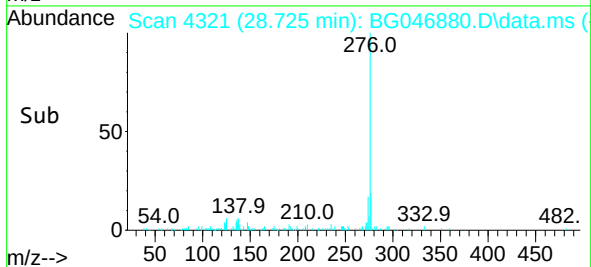
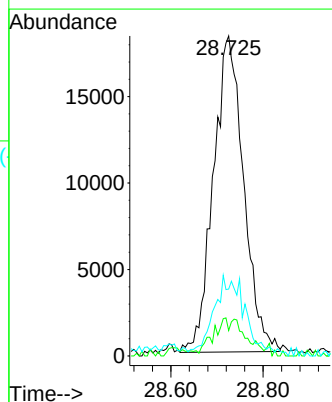
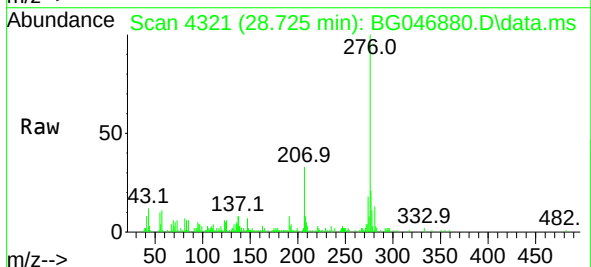


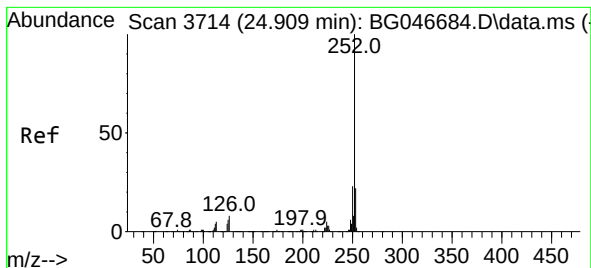
Tgt Ion:	264	Resp:	465428
Ion Ratio	100	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	21.4	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.42 ng
RT: 28.725 min Scan# 4321
Delta R.T. -0.041 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:	276	Resp:	83273
Ion Ratio	100	Lower	Upper
276	100		
138	5.5	16.2	24.2#
277	11.6	20.3	30.5#

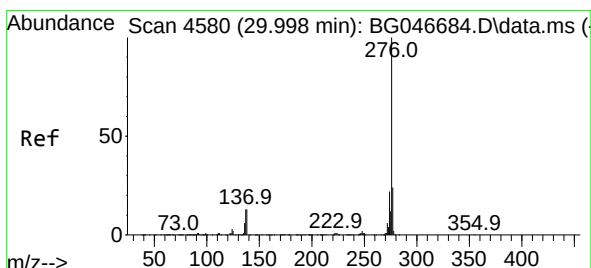
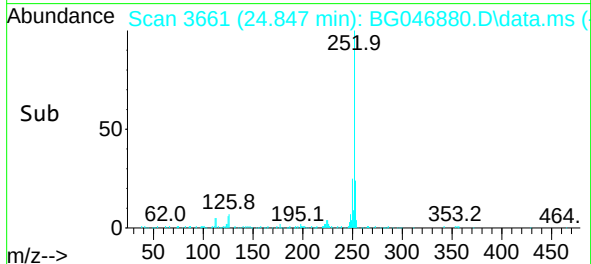
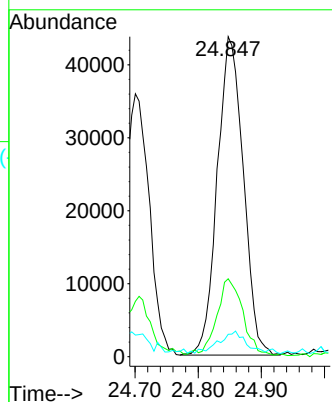
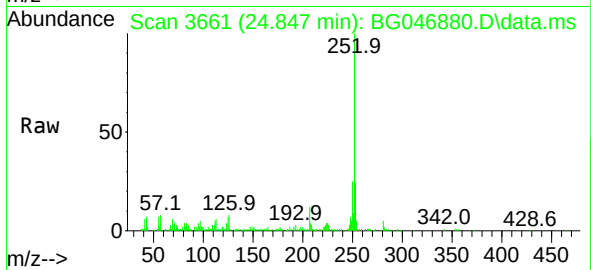




#90
Benzo(a)pyrene
Concen: 4.35 ng
RT: 24.847 min Scan# 3661
Delta R.T. -0.029 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Instrument :
BNA_G
ClientSampled :
343

Tgt Ion:252 Resp: 124830
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 7.0 7.0 10.4



#92
Benzo(g,h,i)perylene
Concen: 2.79 ng
RT: 29.889 min Scan# 4519
Delta R.T. -0.041 min
Lab File: BG046880.D
Acq: 13 Oct 2020 19:05

Tgt Ion:276 Resp: 76864
Ion Ratio Lower Upper
276 100
277 21.7 19.6 29.4
138 9.3 13.4 20.2#

