

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042221\
 Data File : BG048842.D
 Acq On : 22 Apr 2021 11:40
 Operator : CG/JU
 Sample : M2099-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Apr 22 14:38:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 17:33:30 2021
 Response via : Initial Calibration

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

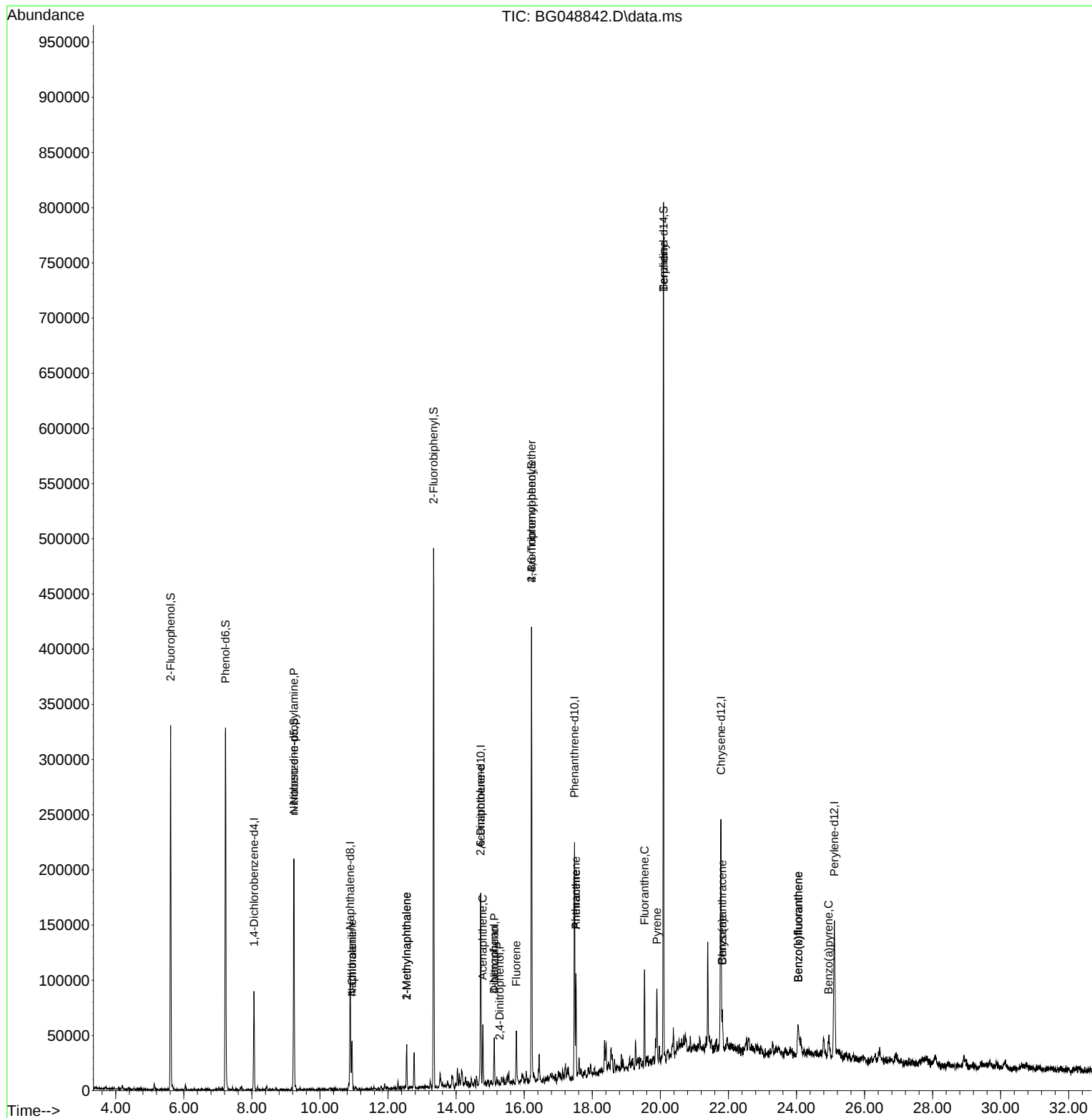
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.062	152	21125	20.00	ng	0.00
21) Naphthalene-d8	10.888	136	85302	20.00	ng	# 0.00
39) Acenaphthene-d10	14.724	164	56951	20.00	ng	0.00
64) Phenanthrene-d10	17.480	188	129404	20.00	ng	# 0.00
76) Chrysene-d12	21.781	240	122099	20.00	ng	0.00
86) Perylene-d12	25.112	264	125701	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.612	112	125153	99.09	ng	0.00
7) Phenol-d6	7.227	99	159156	89.08	ng	0.00
23) Nitrobenzene-d5	9.231	82	122556	64.32	ng	0.00
42) 2,4,6-Tribromophenol	16.217	330	65335	85.56	ng	0.00
45) 2-Fluorobiphenyl	13.338	172	234287	59.41	ng	0.00
79) Terphenyl-d14	20.095	244	347951	49.05	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.237	70	19642	16.30	ng	# 70
31) Naphthalene	10.941	128	33400	7.63	ng	98
33) 4-Chloroaniline	10.941	127	4525	2.48	ng	# 37
37) 2-Methylnaphthalene	12.551	142	18112	5.18	ng	98
38) 1-Methylnaphthalene	12.551	142	18112	5.57	ng	99
51) 2,6-Dinitrotoluene	14.719	165	9012	9.14	ng	# 14
52) Acenaphthene	14.783	154	19593	6.15	ng	84
54) 2,4-Dinitrophenol	15.277	184	73	5.40	ng	# 8
55) Dibenzofuran	15.118	168	22233	4.22	ng	# 93
56) 4-Nitrophenol	15.124	139	10733	15.31	ng	# 1
58) Fluorene	15.770	166	19632	4.54	ng	93
67) 4-Bromophenyl-phenylether	16.217	248	4478	3.01	ng	# 1
71) Phenanthrene	17.521	178	54849	8.17	ng	99
72) Anthracene	17.521	178	54849	8.25	ng	97
75) Fluoranthene	19.536	202	51578	6.07	ng	95
77) Benzidine	20.095	184	7392	2.23	ng	# 93
78) Pyrene	19.901	202	45253	5.36	ng	97
81) Benzo(a)anthracene	21.822	228	26691	3.20	ng	96
83) Chrysene	21.822	228	26691	3.36	ng	# 95
88) Benzo(b)fluoranthene	24.055	252	32793	3.85	ng	# 97
89) Benzo(k)fluoranthene	24.055	252	32793	4.09	ng	# 98
90) Benzo(a)pyrene	24.942	252	18601	2.37	ng	96

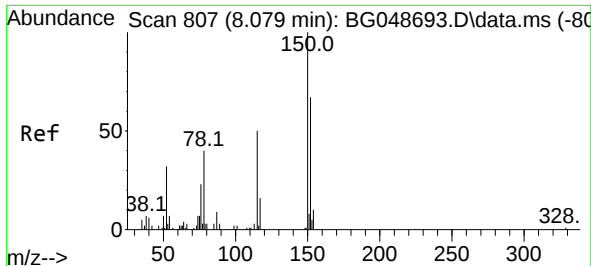
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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TP-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 20 17:33:30 2021
Response via : Initial Calibration

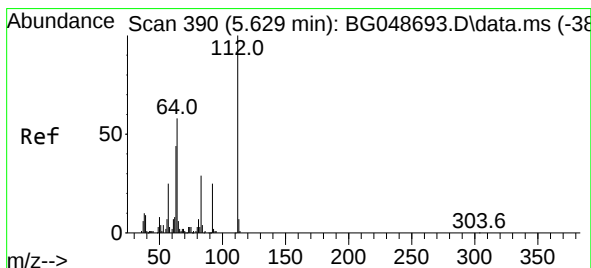
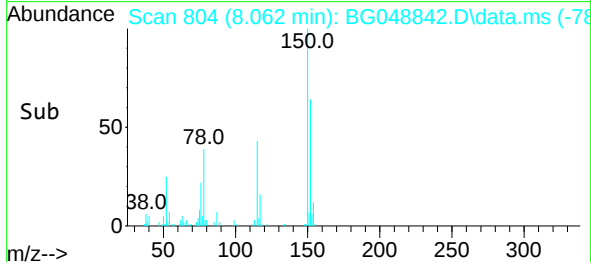
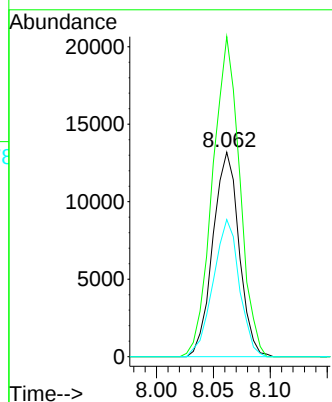
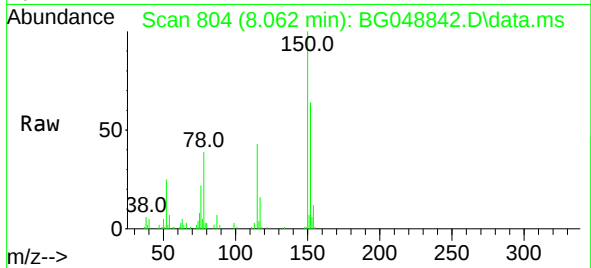




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.062 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

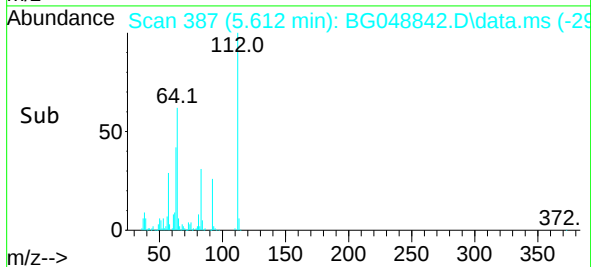
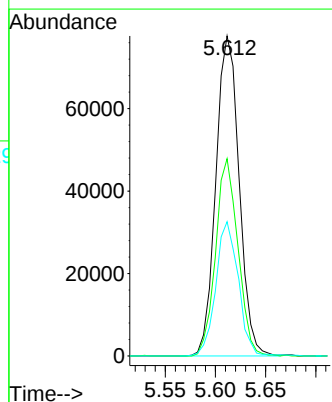
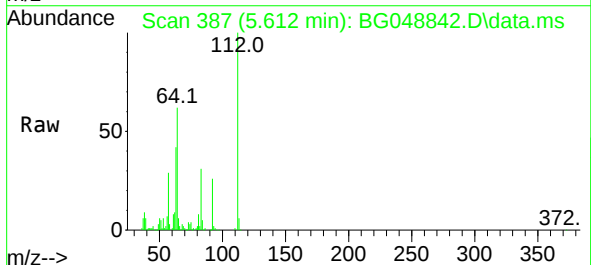
Instrument :
BNA_G
ClientSampleId :
TP-1

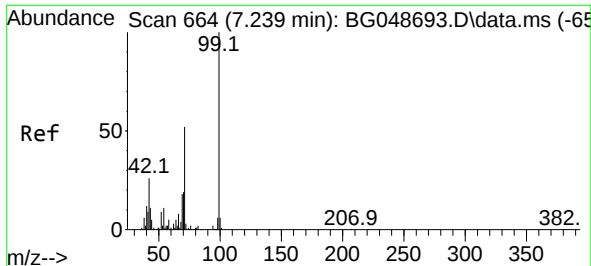
Tgt Ion:152 Resp: 21125
Ion Ratio Lower Upper
152 100
150 156.5 119.4 179.0
115 67.0 60.2 90.4



#5
2-Fluorophenol
Concen: 99.09 ng
RT: 5.612 min Scan# 387
Delta R.T. 0.006 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:112 Resp: 125153
Ion Ratio Lower Upper
112 100
64 61.7 46.7 70.1
63 42.0 35.3 52.9

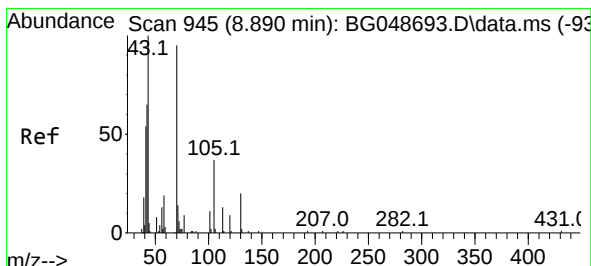
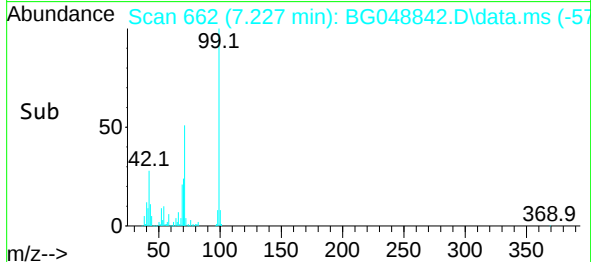
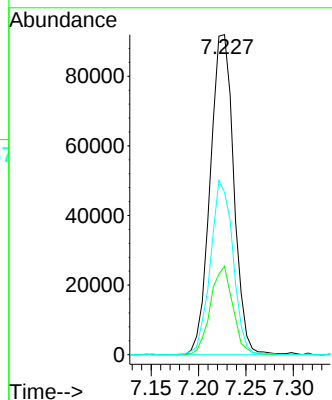
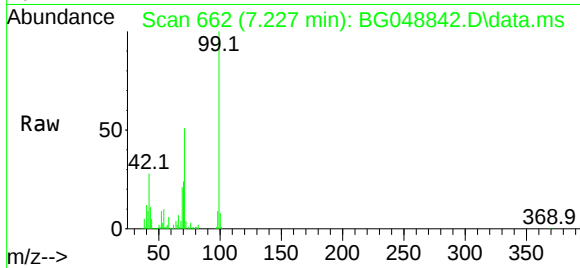




#7
Phenol-d6
Concen: 89.08 ng
RT: 7.227 min Scan# 662
Delta R.T. 0.006 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

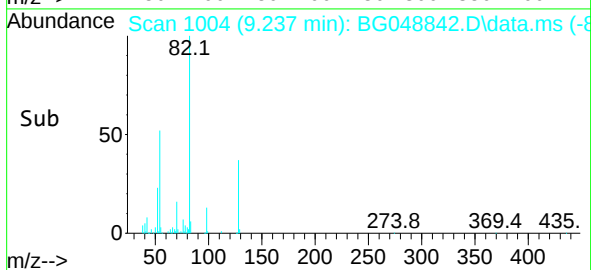
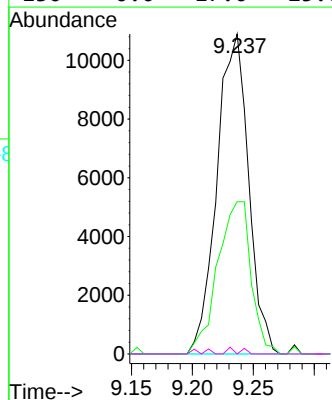
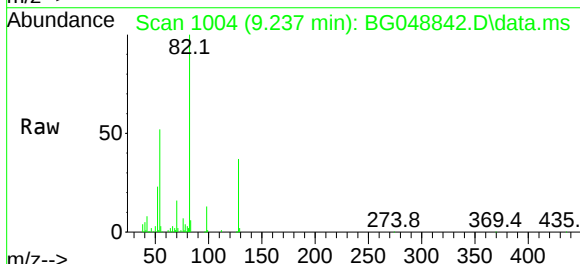
Instrument :
BNA_G
ClientSampleId :
TP-1

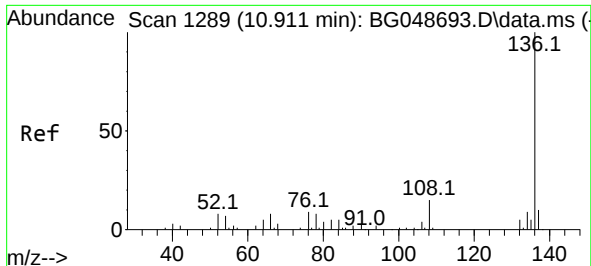
Tgt Ion: 99 Resp: 159156
Ion Ratio Lower Upper
99 100
42 27.6 20.5 30.7
71 50.7 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.30 ng
RT: 9.237 min Scan# 1004
Delta R.T. 0.365 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

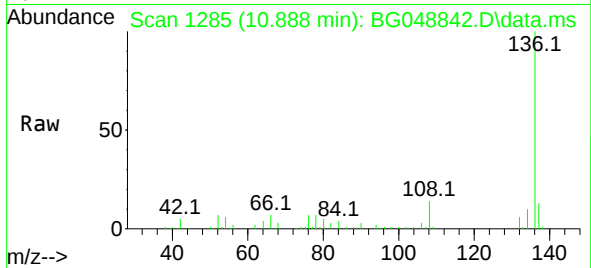
Tgt Ion: 70 Resp: 19642
Ion Ratio Lower Upper
70 100
42 47.6 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#



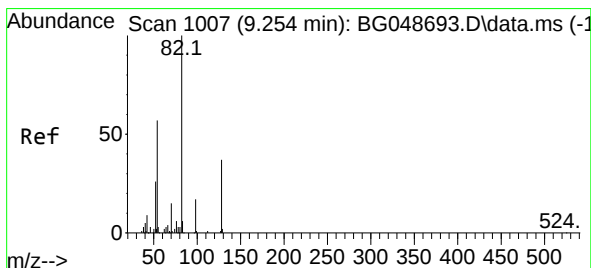
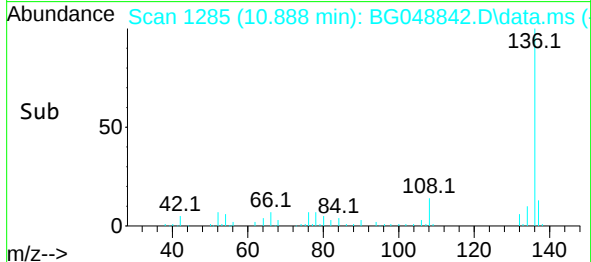
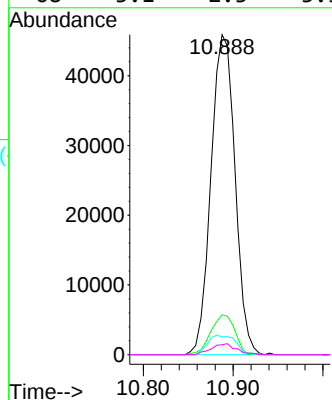


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.888 min Scan# 1285
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Instrument :
BNA_G
ClientSampleId :
TP-1

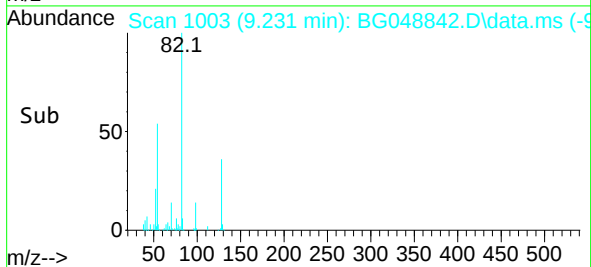
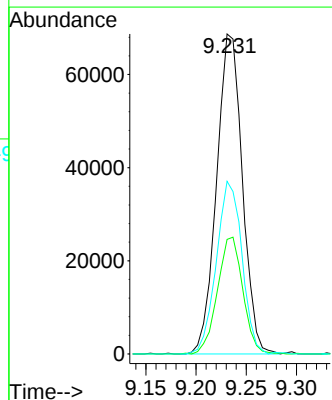
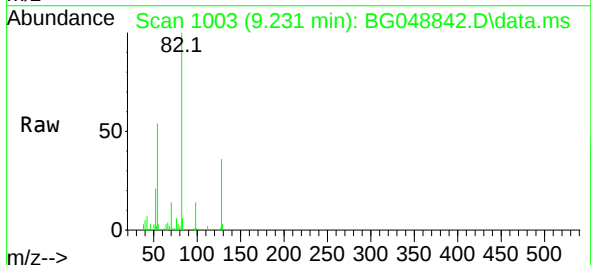


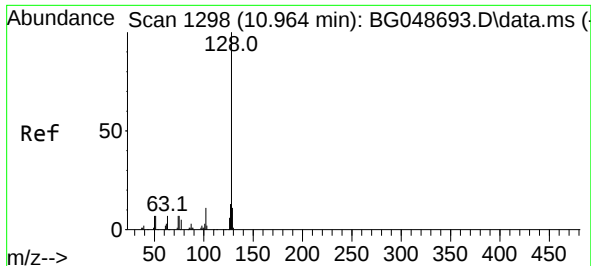
Tgt Ion:136 Resp: 85302
Ion Ratio Lower Upper
136 100
137 12.5 8.2 12.2#
54 5.5 5.5 8.3
68 3.1 2.3 3.5



#23
Nitrobenzene-d5
Concen: 64.32 ng
RT: 9.231 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion: 82 Resp: 122556
Ion Ratio Lower Upper
82 100
128 35.8 29.8 44.6
54 53.9 45.8 68.8

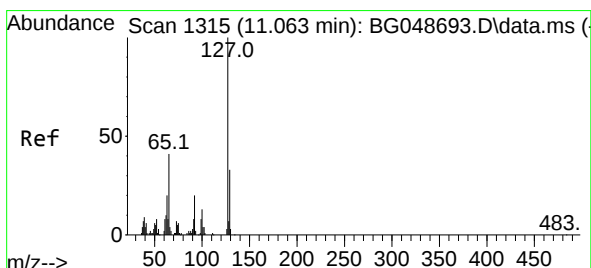
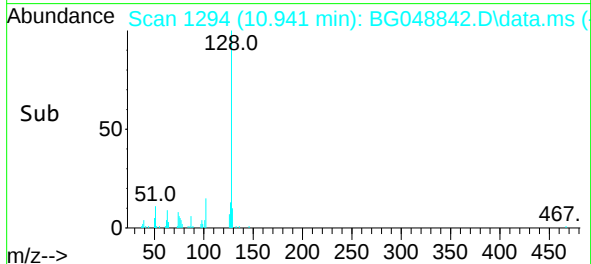
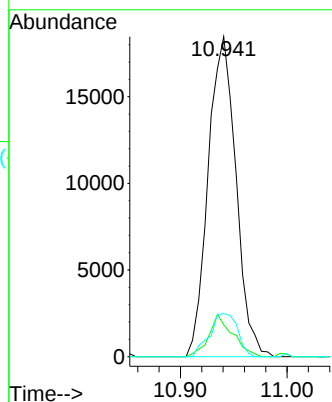
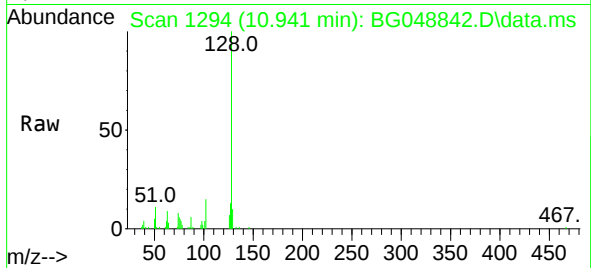




#31
Naphthalene
Concen: 7.63 ng
RT: 10.941 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

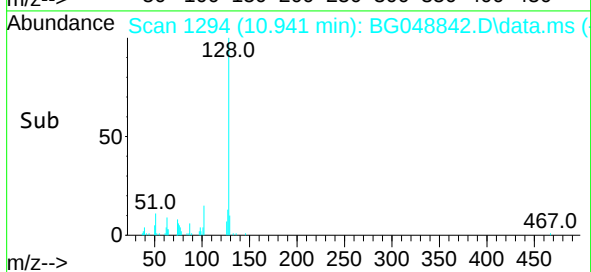
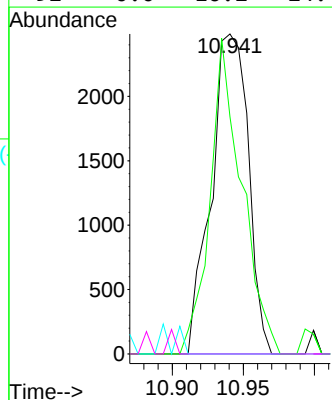
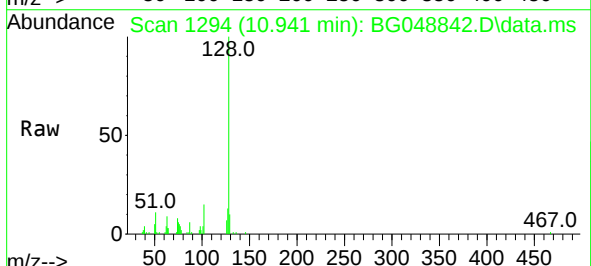
Instrument :
BNA_G
ClientSampled :
TP-1

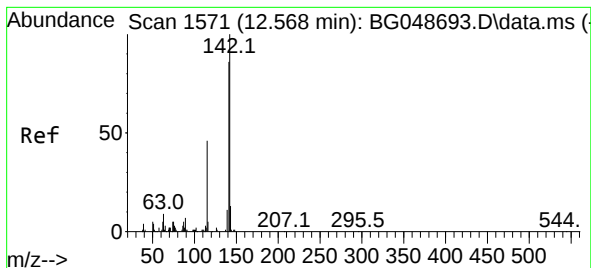
Tgt Ion:128	Resp:	33400
Ion Ratio	Lower	Upper
128	100	
129	10.0	8.5 12.7
127	13.5	10.2 15.4



#33
4-Chloroaniline
Concen: 2.48 ng
RT: 10.941 min Scan# 1294
Delta R.T. -0.105 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:127	Resp:	4525
Ion Ratio	Lower	Upper
127	100	
129	74.2	26.7 40.1#
65	0.0	32.8 49.2#
92	0.0	16.2 24.4#

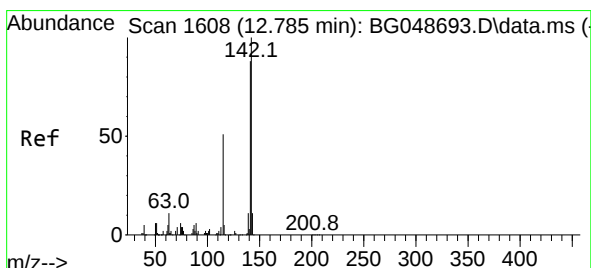
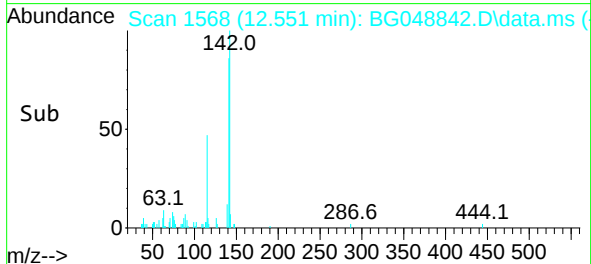
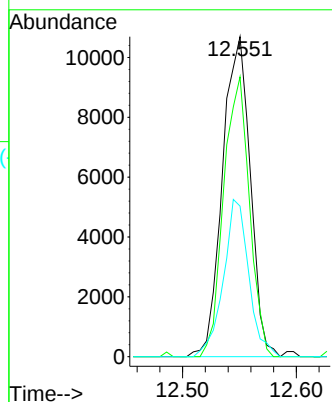
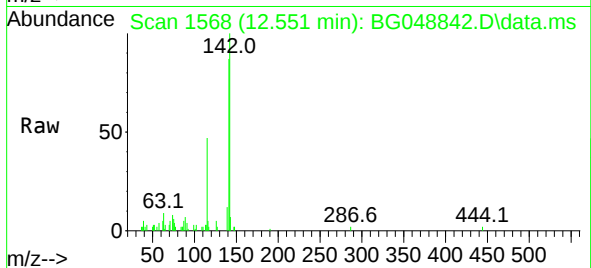




#37
2-Methylnaphthalene
Concen: 5.18 ng
RT: 12.551 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

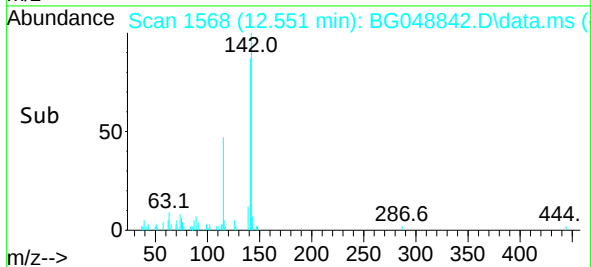
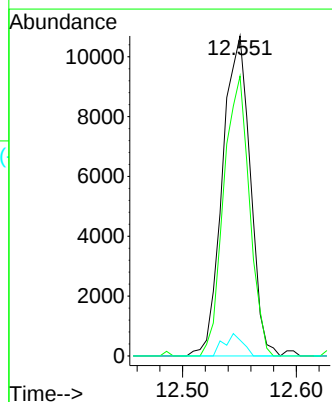
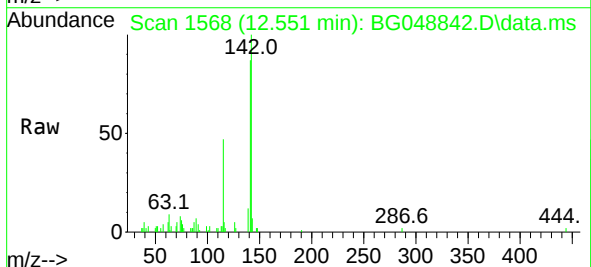
Instrument :
BNA_G
ClientSampled :
TP-1

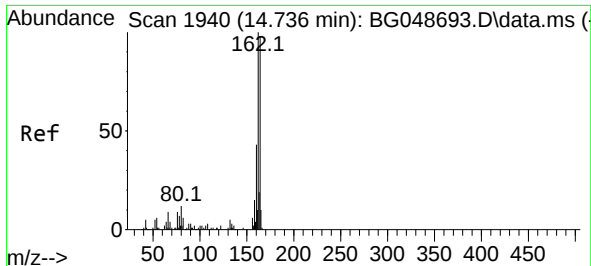
Tgt Ion:142 Resp: 18112
Ion Ratio Lower Upper
142 100
141 87.4 68.8 103.2
115 47.0 36.4 54.6



#38
1-Methylnaphthalene
Concen: 5.57 ng
RT: 12.551 min Scan# 1568
Delta R.T. -0.217 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:142 Resp: 18112
Ion Ratio Lower Upper
142 100
141 87.4 70.6 106.0
116 4.9 4.0 6.0





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.724 min Scan# 1938

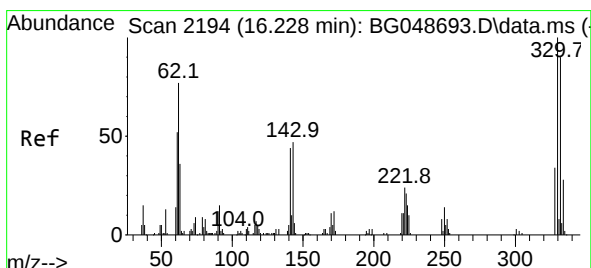
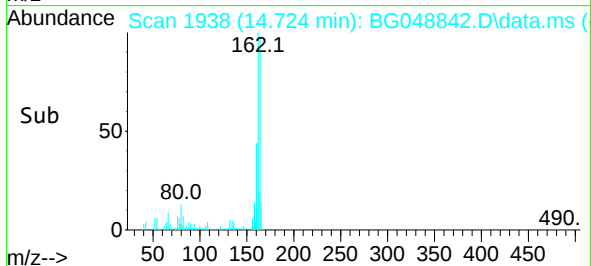
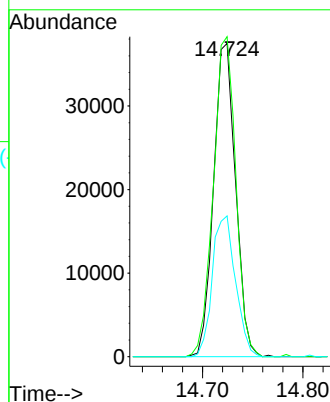
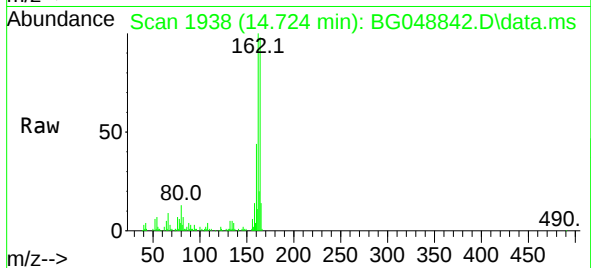
Delta R.T. 0.000 min

Lab File: BG048842.D

Acq: 22 Apr 2021 11:40

Tgt Ion:164	Resp:	56951
Ion Ratio	Lower	Upper
164	100	
162	102.1	81.4 122.0
160	45.0	34.9 52.3

Instrument :
BNA_G
ClientSampleId :
TP-1



#42

2,4,6-Tribromophenol

Concen: 85.56 ng

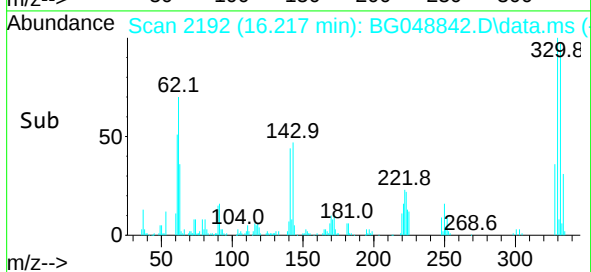
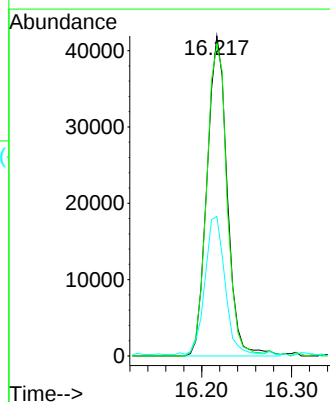
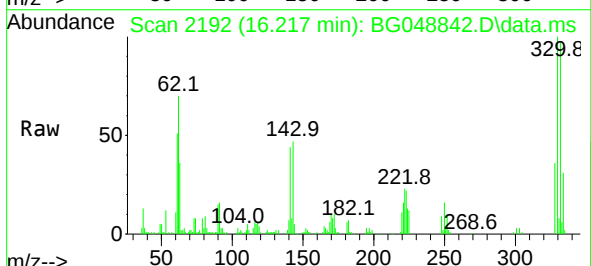
RT: 16.217 min Scan# 2192

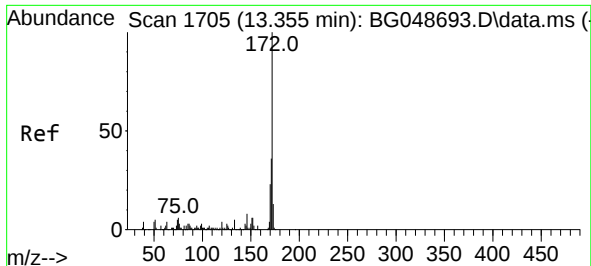
Delta R.T. 0.000 min

Lab File: BG048842.D

Acq: 22 Apr 2021 11:40

Tgt Ion:330	Resp:	65335
Ion Ratio	Lower	Upper
330	100	
332	97.9	77.3 115.9
141	42.4	35.6 53.4

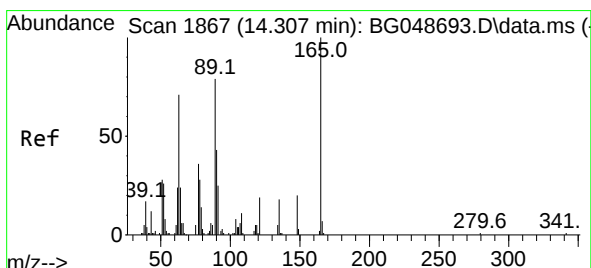
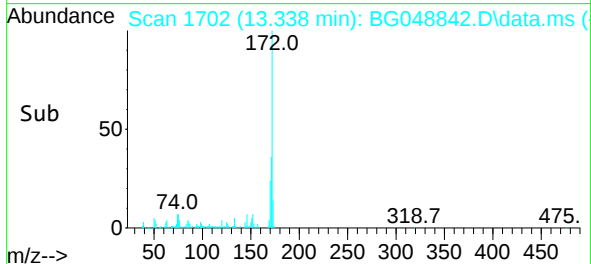
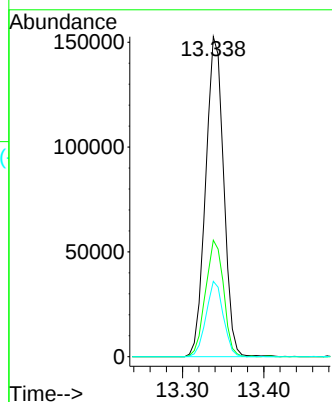
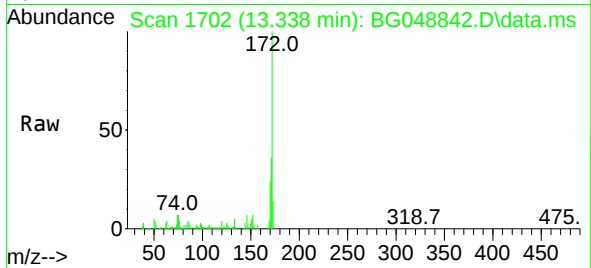




#45
2-Fluorobiphenyl
Concen: 59.41 ng
RT: 13.338 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

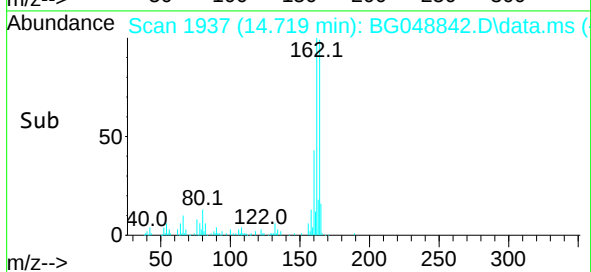
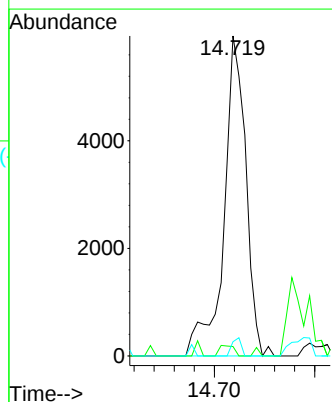
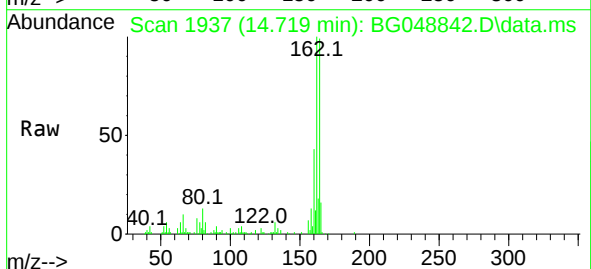
Instrument :
BNA_G
ClientSampled :
TP-1

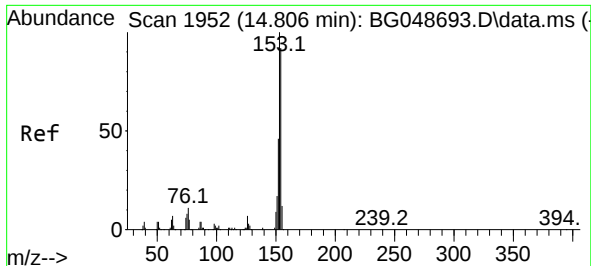
Tgt Ion:172 Resp: 234287
Ion Ratio Lower Upper
172 100
171 36.4 28.6 43.0
170 23.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.14 ng
RT: 14.719 min Scan# 1937
Delta R.T. 0.423 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:165 Resp: 9012
Ion Ratio Lower Upper
165 100
63 2.9 63.3 94.9#
89 4.4 63.4 95.0#

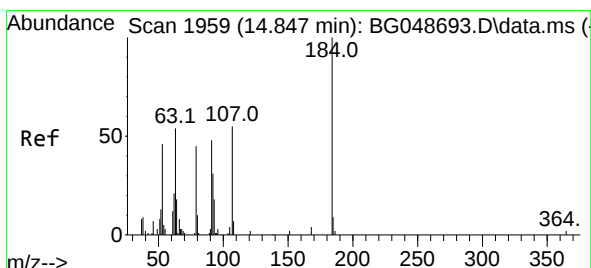
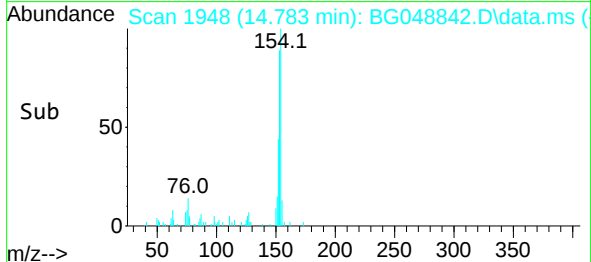
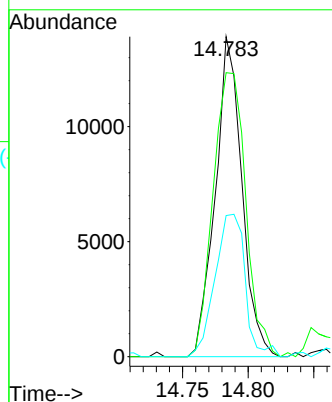
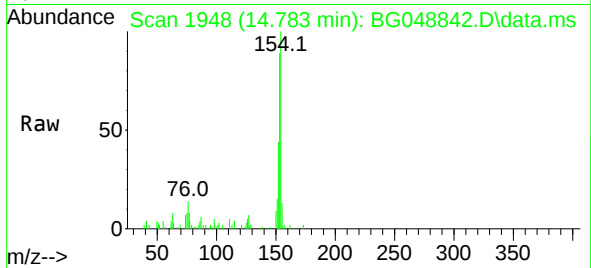




#52
Acenaphthene
Concen: 6.15 ng
RT: 14.783 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

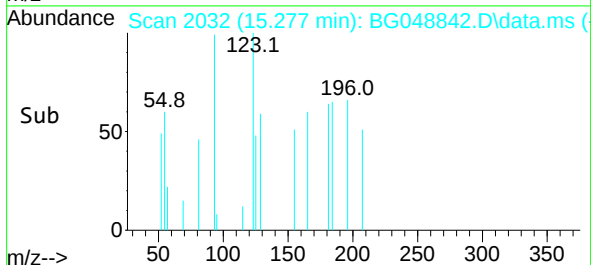
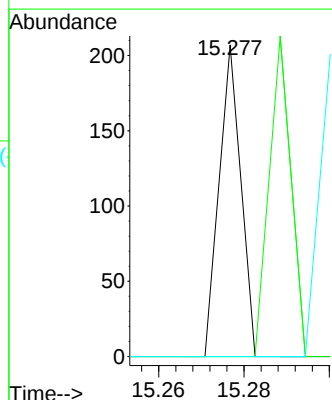
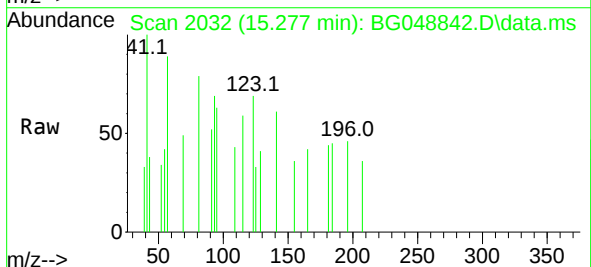
Instrument :
BNA_G
ClientSampled :
TP-1

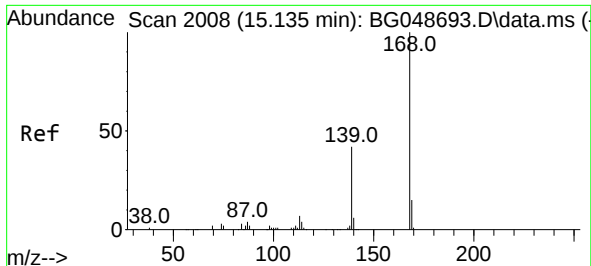
Tgt Ion:154 Resp: 19593
Ion Ratio Lower Upper
154 100
153 88.7 87.0 130.4
152 44.1 40.1 60.1



#54
2,4-Dinitrophenol
Concen: 5.40 ng
RT: 15.277 min Scan# 2032
Delta R.T. 0.441 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 0.0 68.3 102.5#
154 0.0 62.6 93.8#

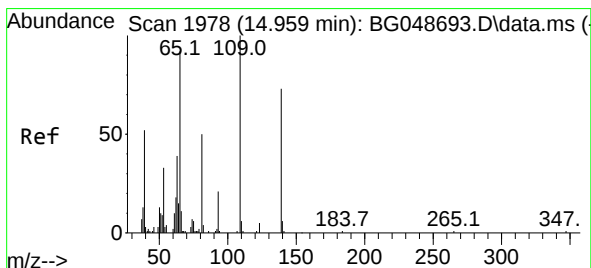
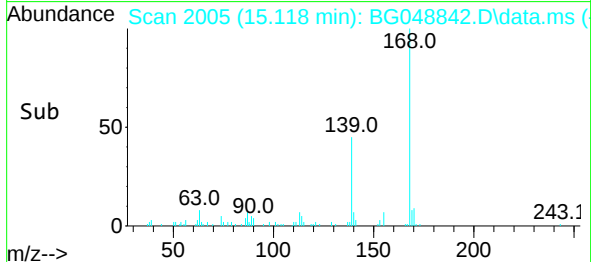
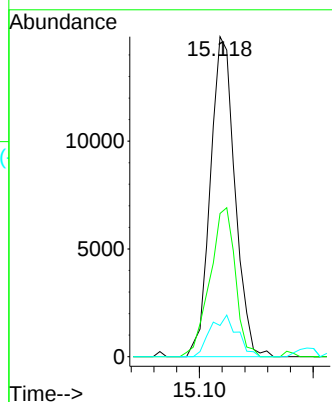
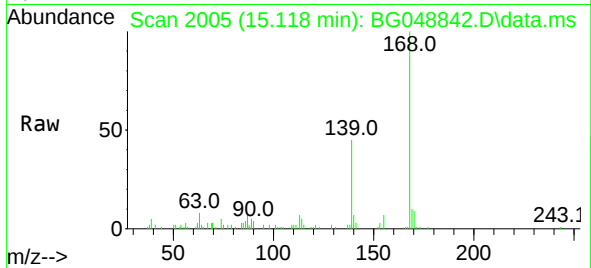




#55
Dibenzofuran
Concen: 4.22 ng
RT: 15.118 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

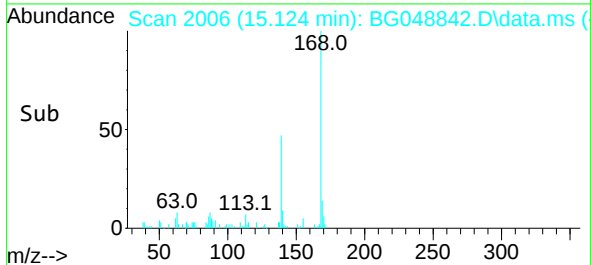
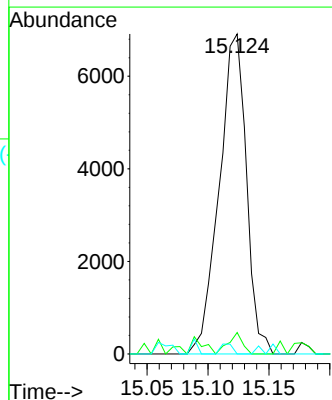
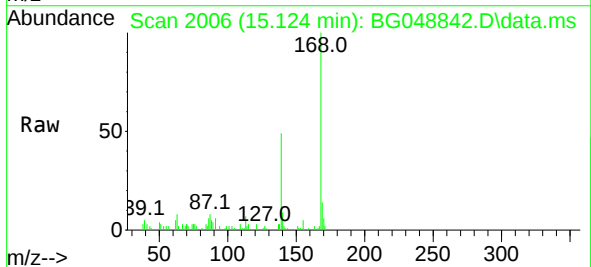
Instrument :
BNA_G
ClientSampleId :
TP-1

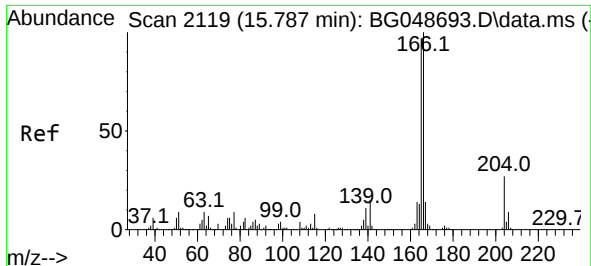
Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.8	33.4	50.2
169	9.8	12.3	18.5#



#56
4-Nitrophenol
Concen: 15.31 ng
RT: 15.124 min Scan# 2006
Delta R.T. 0.177 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion	Ratio	Lower	Upper
139	100		
109	6.7	116.3	156.3#
65	0.0	105.0	145.0#

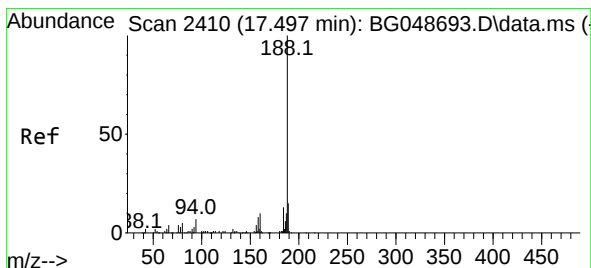
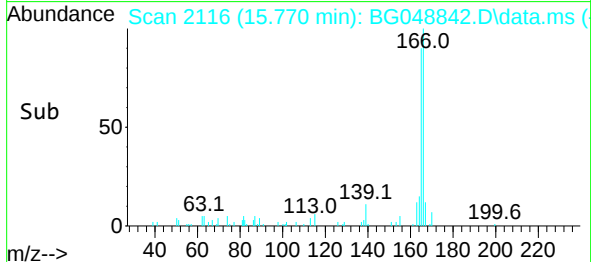
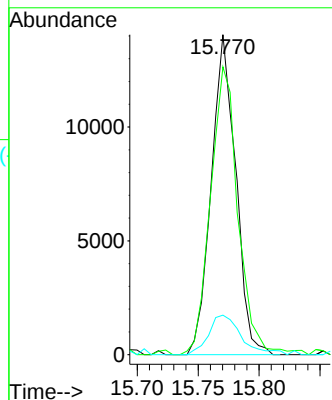
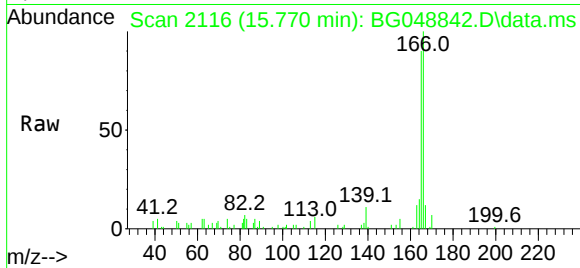




#58
Fluorene
Concen: 4.54 ng
RT: 15.770 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

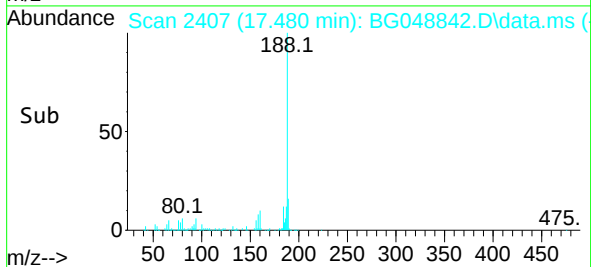
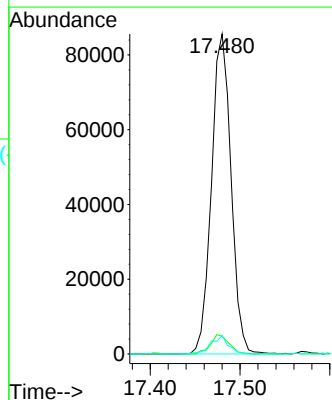
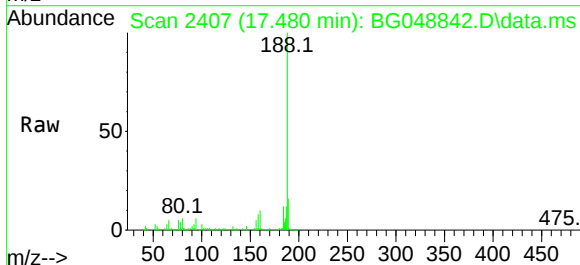
Instrument :
BNA_G
ClientSampled :
TP-1

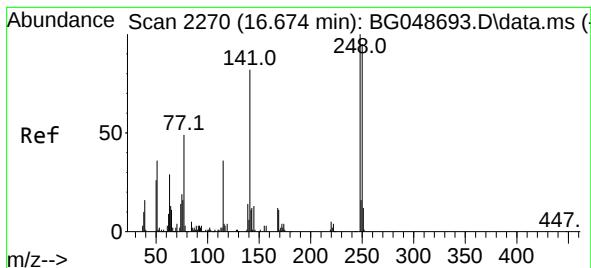
Tgt Ion:166 Resp: 19632
Ion Ratio Lower Upper
166 100
165 90.0 77.7 116.5
167 12.4 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.480 min Scan# 2407
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:188 Resp: 129404
Ion Ratio Lower Upper
188 100
94 5.6 5.4 8.0
80 5.8 3.7 5.5#

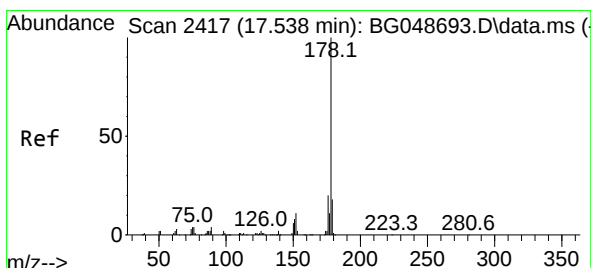
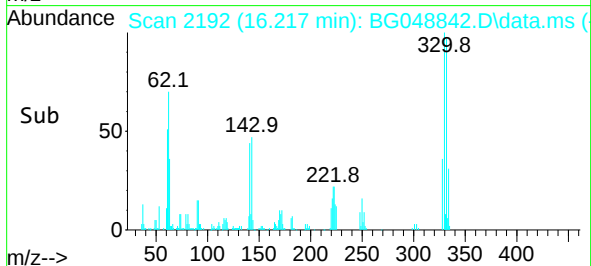
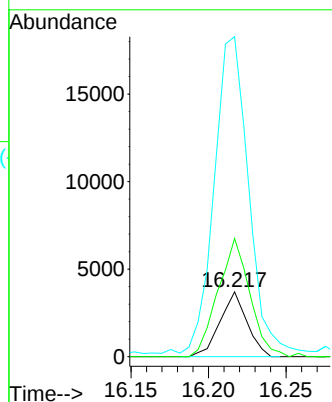
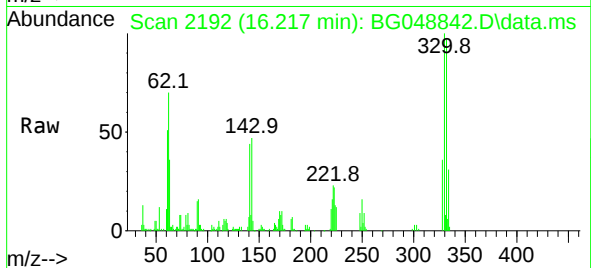




#67
4-Bromophenyl-phenylether
Concen: 3.01 ng
RT: 16.217 min Scan# 2192
Delta R.T. -0.446 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

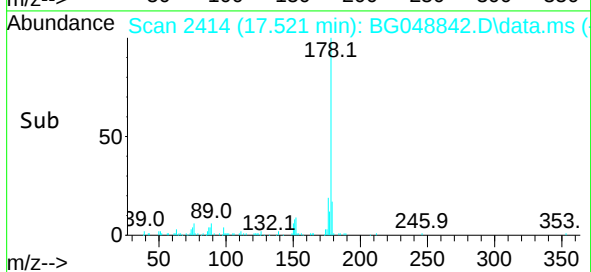
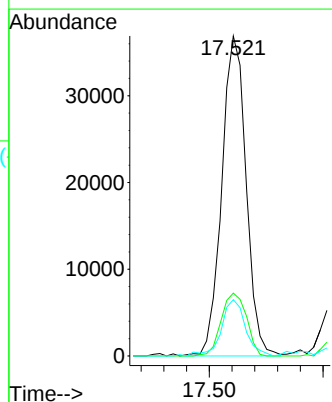
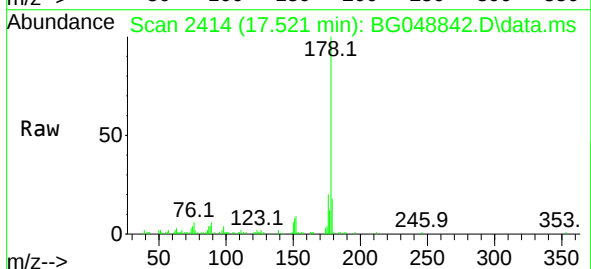
Instrument :
BNA_G
ClientSampleId :
TP-1

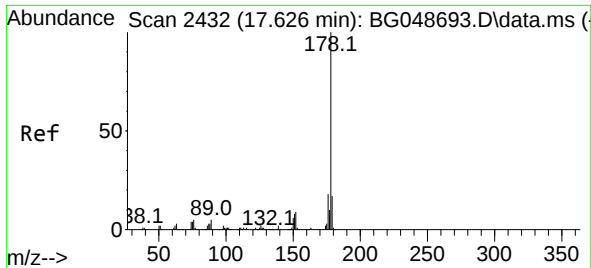
Tgt Ion:248 Resp: 4478
Ion Ratio Lower Upper
248 100
250 182.6 76.1 114.1#
141 494.3 65.4 98.2#



#71
Phenanthrene
Concen: 8.17 ng
RT: 17.521 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:178 Resp: 54849
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 17.6 14.2 21.4

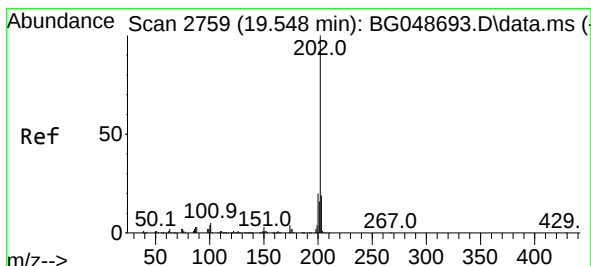
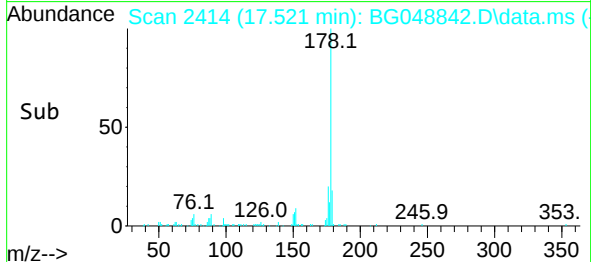
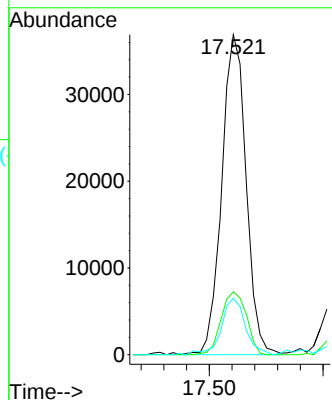
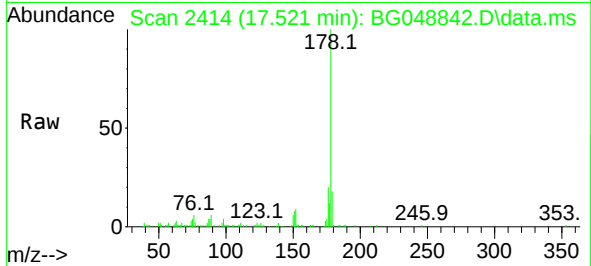




#72
 Anthracene
 Concen: 8.25 ng
 RT: 17.521 min Scan# 2414
 Delta R.T. -0.094 min
 Lab File: BG048842.D
 Acq: 22 Apr 2021 11:40

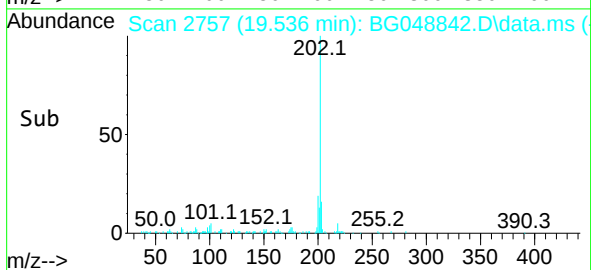
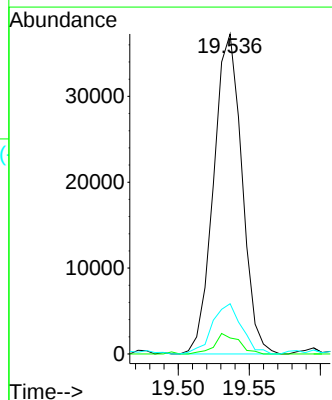
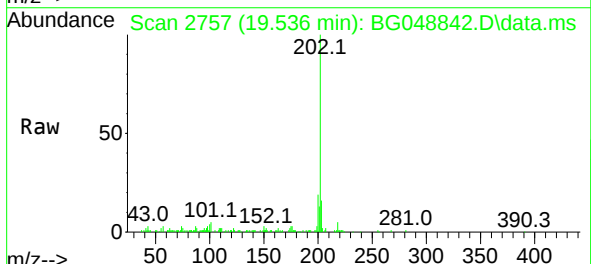
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

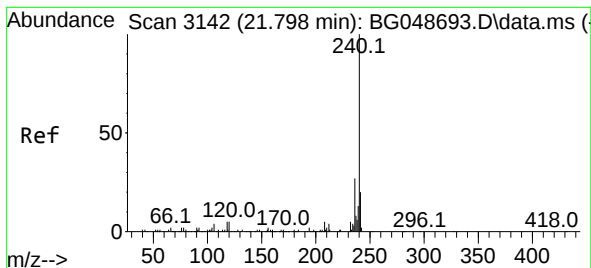
Tgt Ion:178 Resp: 54849
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 21.8
 179 17.6 13.4 20.0



#75
 Fluoranthene
 Concen: 6.07 ng
 RT: 19.536 min Scan# 2757
 Delta R.T. 0.000 min
 Lab File: BG048842.D
 Acq: 22 Apr 2021 11:40

Tgt Ion:202 Resp: 51578
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 24.7
 203 15.7 0.0 38.5

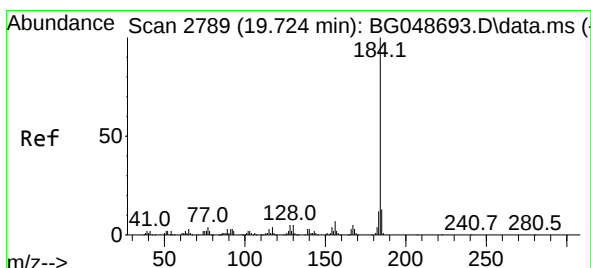
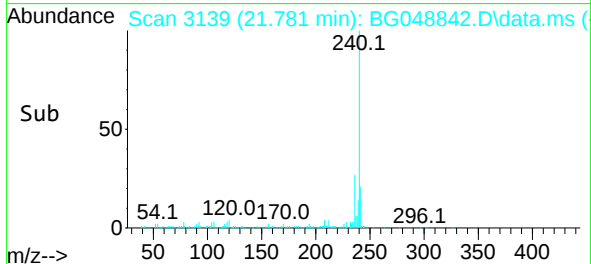
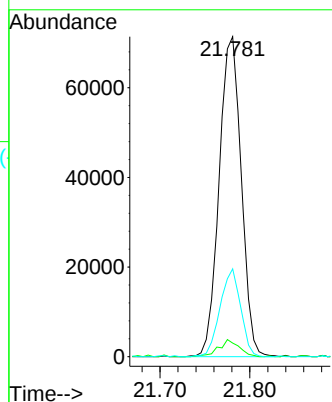
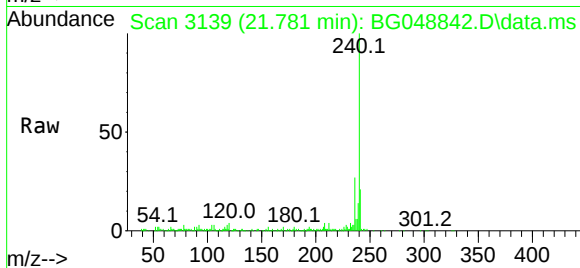




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.781 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

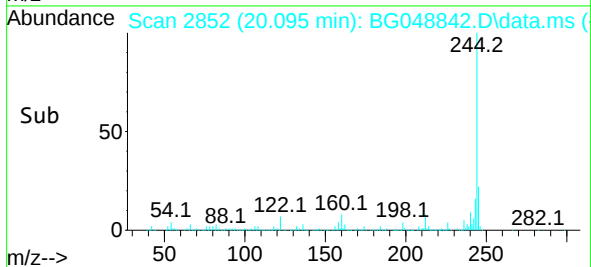
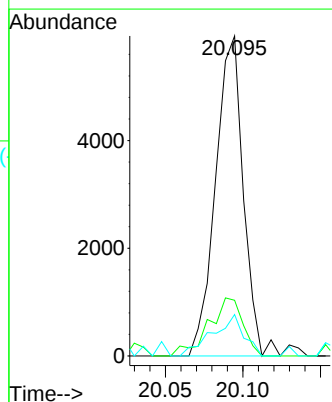
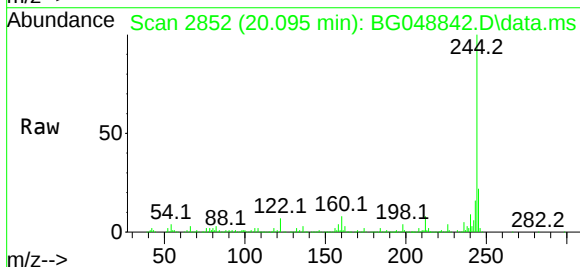
Instrument :
BNA_G
ClientSampled :
TP-1

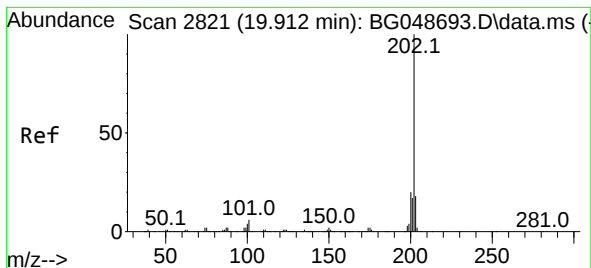
Tgt Ion:240 Resp: 122099
Ion Ratio Lower Upper
240 100
120 4.2 4.2 6.2
236 27.5 21.8 32.6



#77
Benzidine
Concen: 2.23 ng
RT: 20.095 min Scan# 2852
Delta R.T. 0.382 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:184 Resp: 7392
Ion Ratio Lower Upper
184 100
185 17.4 10.7 16.1#
183 12.9 9.4 14.0





#78

Pyrene

Concen: 5.36 ng

RT: 19.901 min Scan# 2819

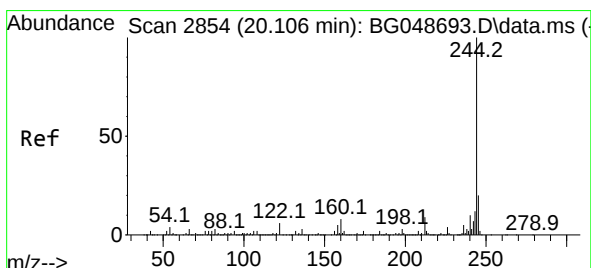
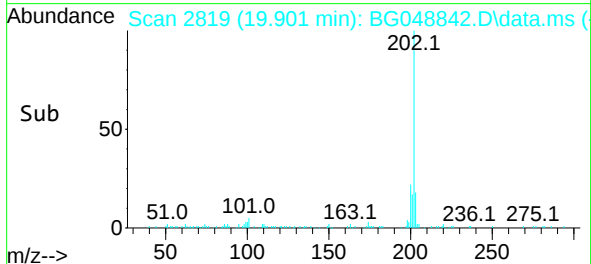
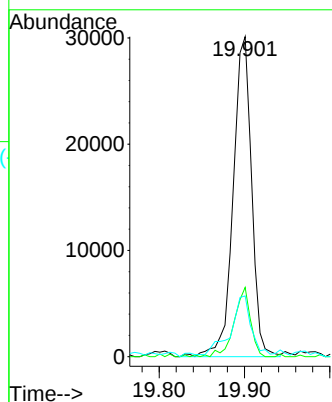
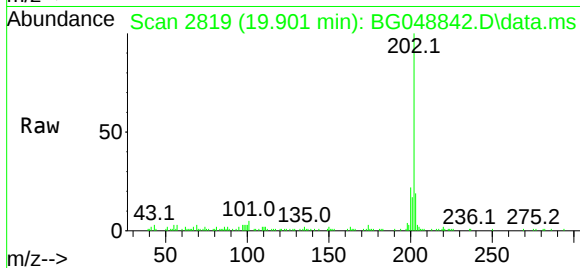
Delta R.T. 0.000 min

Lab File: BG048842.D

Acq: 22 Apr 2021 11:40

Tgt Ion:202 Resp: 45253

Ion	Ratio	Lower	Upper
202	100		
200	21.7	15.8	23.8
203	19.0	14.6	21.8



#79

Terphenyl-d14

Concen: 49.05 ng

RT: 20.095 min Scan# 2852

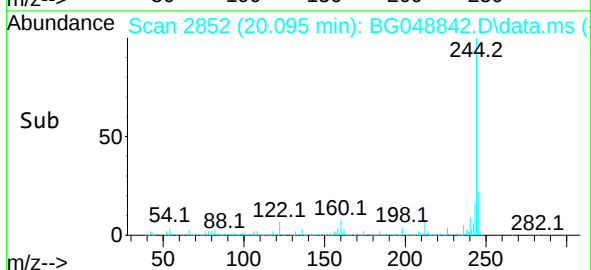
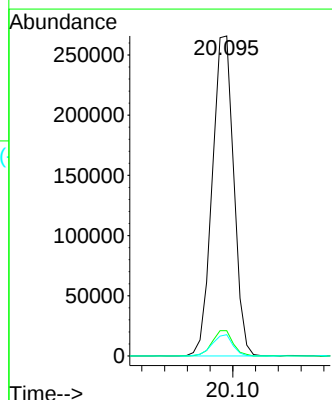
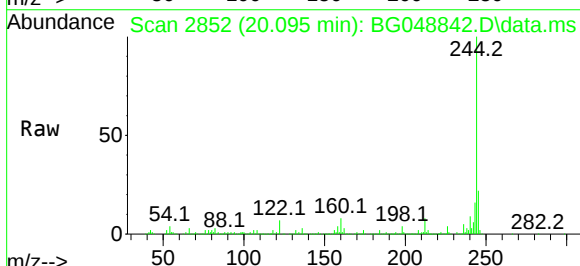
Delta R.T. 0.000 min

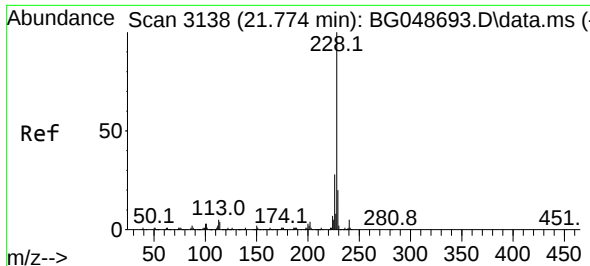
Lab File: BG048842.D

Acq: 22 Apr 2021 11:40

Tgt Ion:244 Resp: 347951

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.9	10.3
122	6.6	5.0	7.6

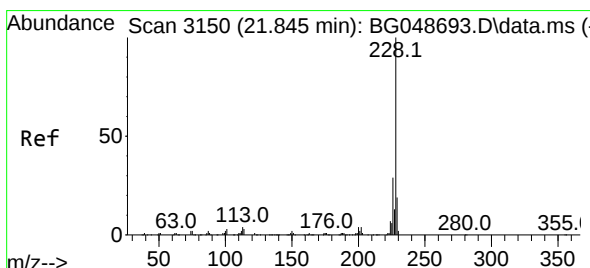
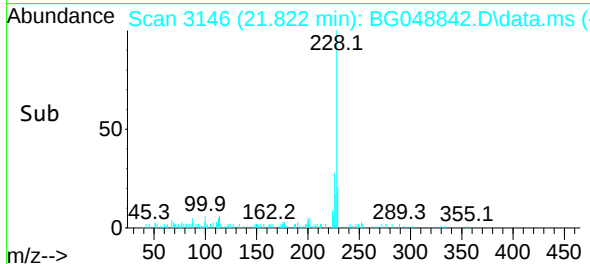
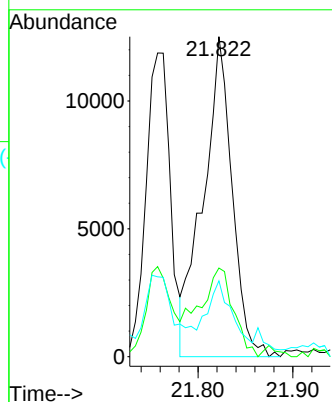
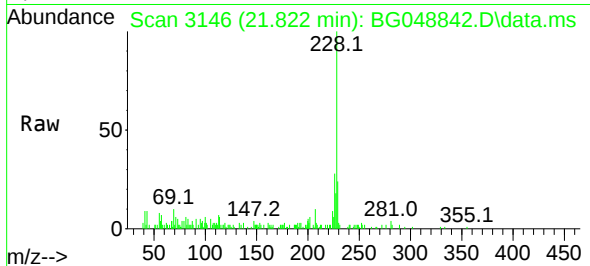




#81
Benzo(a)anthracene
Concen: 3.20 ng
RT: 21.822 min Scan# 3146
Delta R.T. 0.065 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

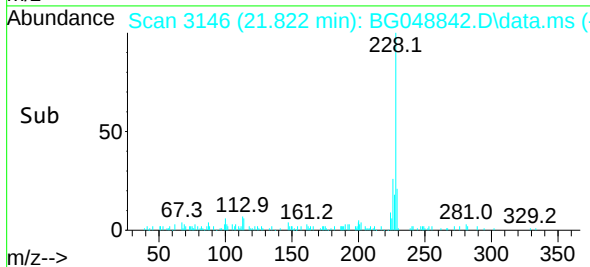
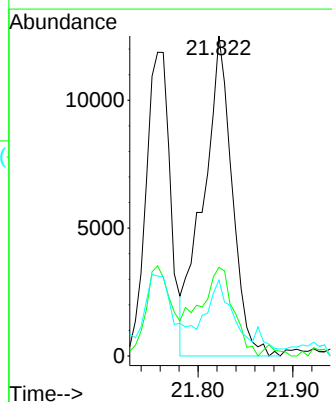
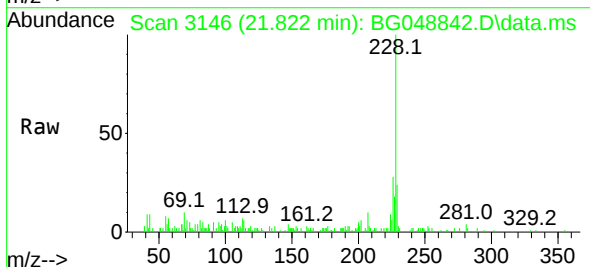
Instrument :
BNA_G
ClientSampled :
TP-1

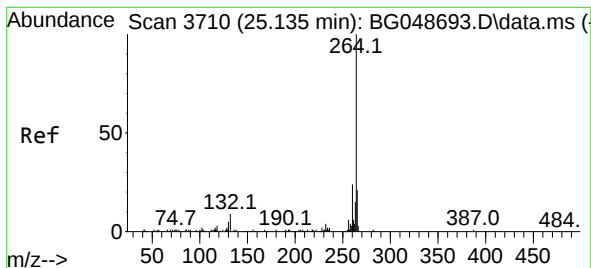
Tgt Ion:228	Resp:	26691
Ion Ratio	Lower	Upper
228	100	
226	27.7	22.7 34.1
229	23.7	16.0 24.0



#83
Chrysene
Concen: 3.36 ng
RT: 21.822 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:228	Resp:	26691
Ion Ratio	Lower	Upper
228	100	
226	27.7	23.1 34.7
229	23.7	15.3 22.9#

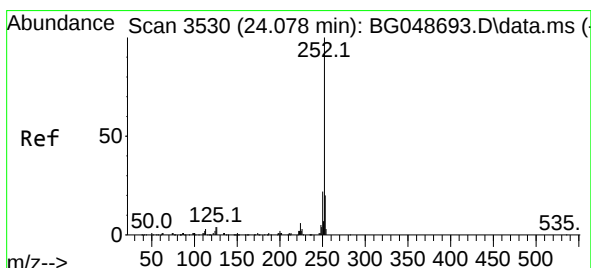
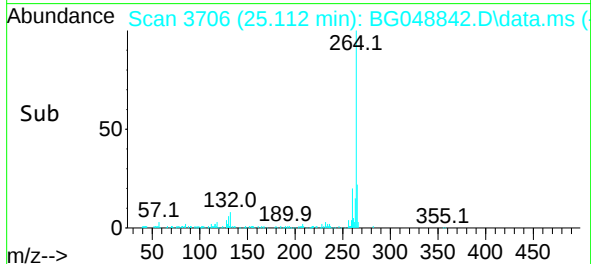
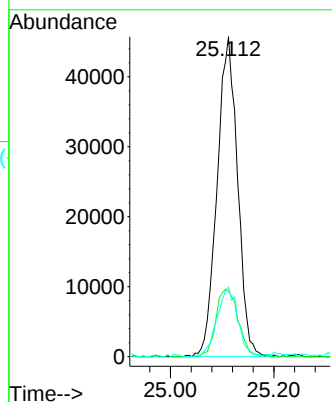
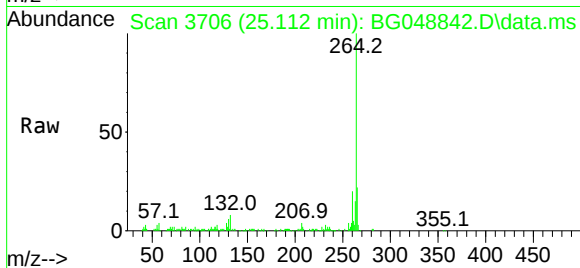




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.112 min Scan# 3706
 Delta R.T. 0.000 min
 Lab File: BG048842.D
 Acq: 22 Apr 2021 11:40

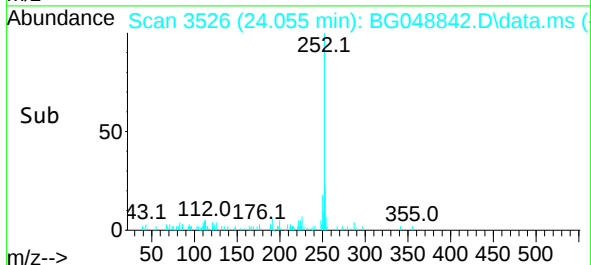
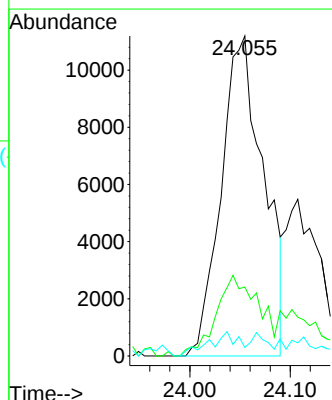
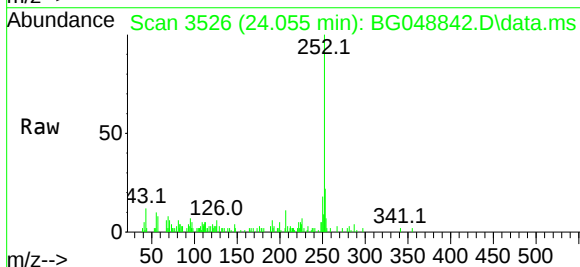
Instrument :
 BNA_G
 ClientSampled :
 TP-1

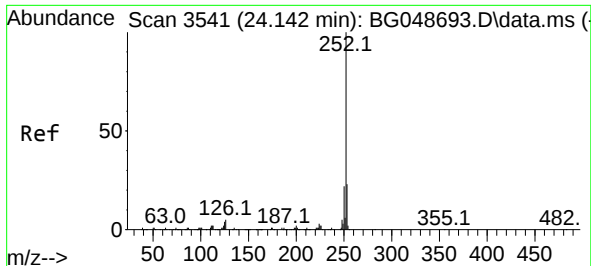
Tgt Ion:264 Resp: 125701
 Ion Ratio Lower Upper
 264 100
 260 20.4 19.4 29.2
 265 21.7 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 3.85 ng
 RT: 24.055 min Scan# 3526
 Delta R.T. 0.006 min
 Lab File: BG048842.D
 Acq: 22 Apr 2021 11:40

Tgt Ion:252 Resp: 32793
 Ion Ratio Lower Upper
 252 100
 253 21.6 16.2 24.4
 125 2.6 3.0 4.4#

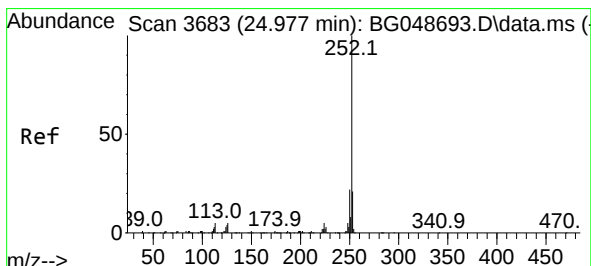
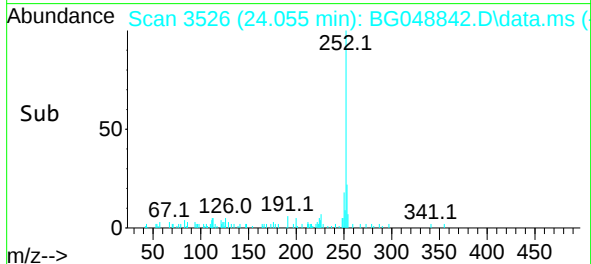
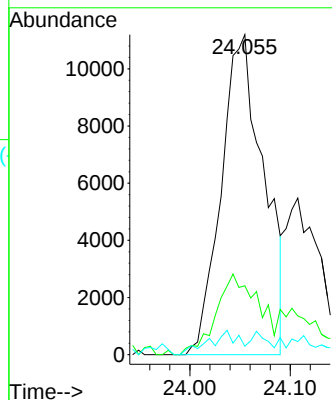
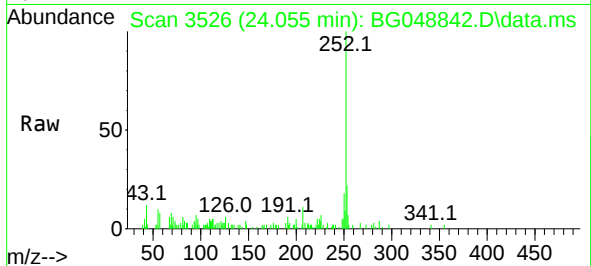




#89
Benzo(k)fluoranthene
Concen: 4.09 ng
RT: 24.055 min Scan# 3526
Delta R.T. -0.064 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Instrument :
BNA_G
ClientSampled :
TP-1

Tgt Ion:252 Resp: 32793
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 2.6 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 2.37 ng
RT: 24.942 min Scan# 3677
Delta R.T. -0.011 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:252 Resp: 18601
Ion Ratio Lower Upper
252 100
253 19.0 16.6 25.0
125 3.7 3.5 5.3

