

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012121\
 Data File : BG047970.D
 Acq On : 22 Jan 2021 2:08
 Operator : CG/JU
 Sample : M1159-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BORE-2-ALT

Quant Time: Jan 22 02:55:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 21 14:42:53 2021
 Response via : Initial Calibration

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

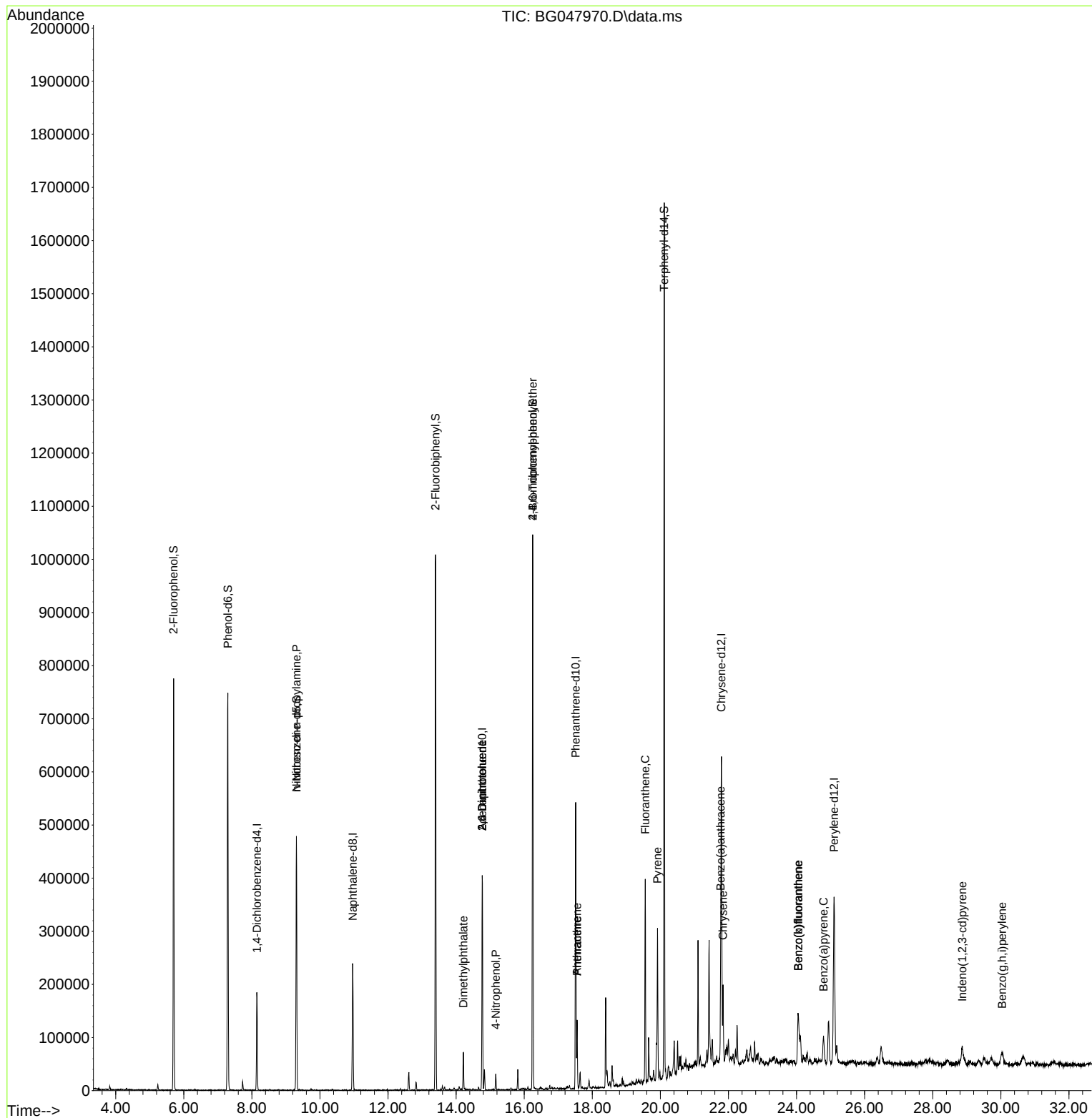
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.150	152	49477	20.00	ng	0.00
21) Naphthalene-d8	10.965	136	193618	20.00	ng	# 0.00
39) Acenaphthene-d10	14.766	164	141738	20.00	ng	0.00
64) Phenanthrene-d10	17.510	188	337508	20.00	ng	# 0.00
76) Chrysene-d12	21.793	240	348127	20.00	ng	# 0.00
86) Perylene-d12	25.101	264	363703	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	287802	94.87	ng	0.00
7) Phenol-d6	7.293	99	393901	86.01	ng	0.00
23) Nitrobenzene-d5	9.308	82	270673	61.47	ng	0.00
42) 2,4,6-Tribromophenol	16.253	330	202288	89.18	ng	0.00
45) 2-Fluorobiphenyl	13.397	172	519815	48.98	ng	0.00
79) Terphenyl-d14	20.113	244	754070	40.05	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.515	88	57	Below Cal	#	1
9) Benzaldehyde	7.293	77	997	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.308	70	39307	12.13	ng	# 79
50) Dimethylphthalate	14.214	163	45390	3.68	ng	# 99
51) 2,6-Dinitrotoluene	14.766	165	18044	7.61	ng	# 35
56) 4-Nitrophenol	15.166	139	6326	3.13	ng	# 11
57) 2,4-Dinitrotoluene	14.766	165	18044	5.42	ng	# 33
67) 4-Bromophenyl-phenylether	16.253	248	13768	3.08	ng	# 1
71) Phenanthrene	17.551	178	83823	4.59	ng	95
72) Anthracene	17.551	178	83823	4.69	ng	95
75) Fluoranthene	19.555	202	238025	9.80	ng	93
78) Pyrene	19.913	202	193027	8.20	ng	95
81) Benzo(a)anthracene	21.770	228	122015	5.07	ng	97
83) Chrysene	21.840	228	105753	4.59	ng	97
87) Indeno(1,2,3-cd)pyrene	28.867	276	56497	2.03	ng	# 90
88) Benzo(b)fluoranthene	24.049	252	135151	5.59	ng	# 97
89) Benzo(k)fluoranthene	24.049	252	135151	5.75	ng	# 97
90) Benzo(a)pyrene	24.790	252	58945	2.59	ng	99
92) Benzo(g,h,i)perylene	30.037	276	49886	2.25	ng	# 89

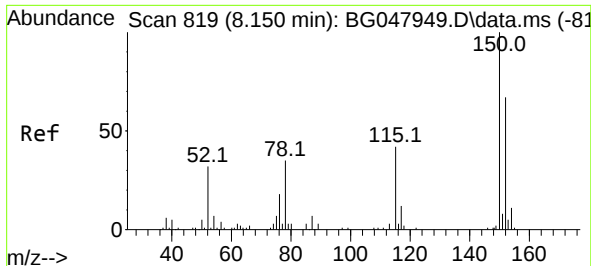
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012121\
Data File : BG047970.D
Acq On : 22 Jan 2021 2:08
Operator : CG/JU
Sample : M1159-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

Quant Time: Jan 22 02:55:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 21 14:42:53 2021
Response via : Initial Calibration

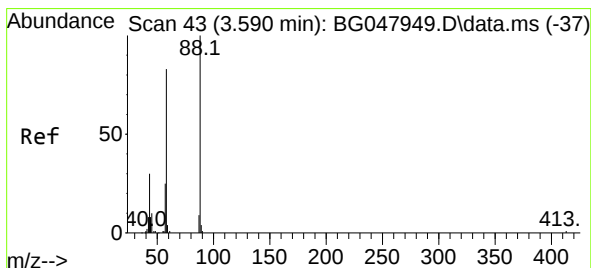
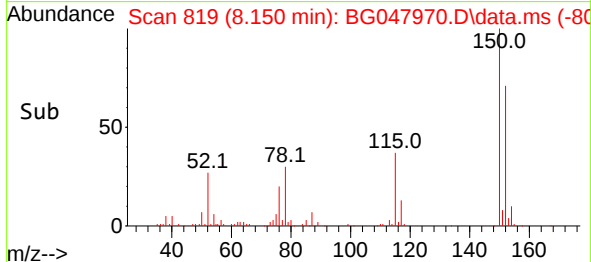
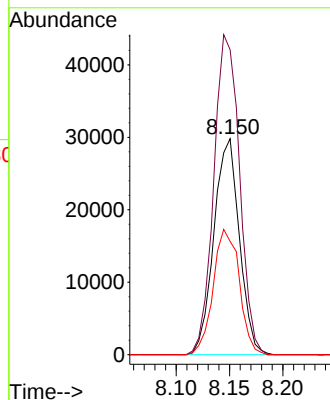
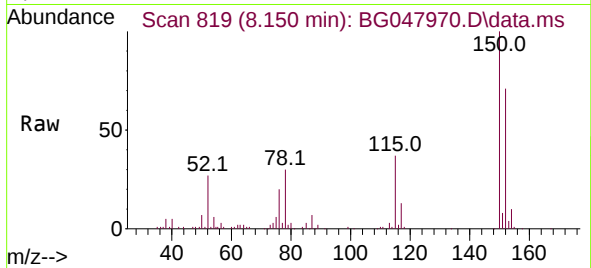




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.150 min Scan# 819
Delta R.T. 0.000 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

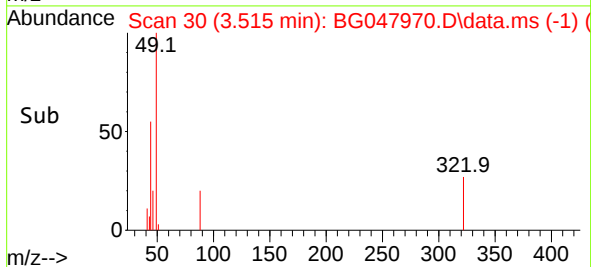
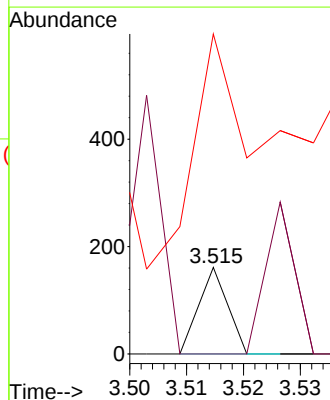
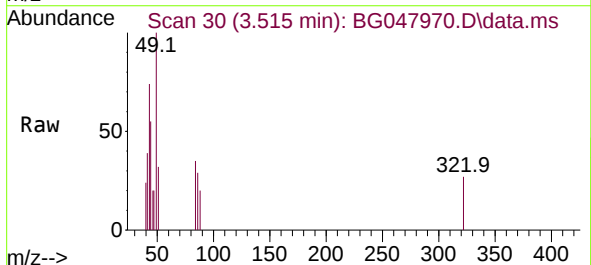
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

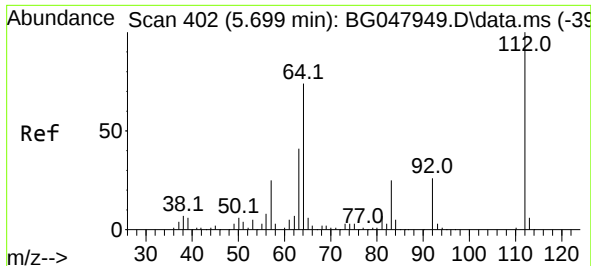
Tgt Ion:152 Resp: 49477
Ion Ratio Lower Upper
152 100
150 141.2 125.0 187.6
115 52.5 41.8 62.6



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.515 min Scan# 30
Delta R.T. -0.075 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
58 175.4 61.6 92.4#
43 752.6 21.3 31.9#

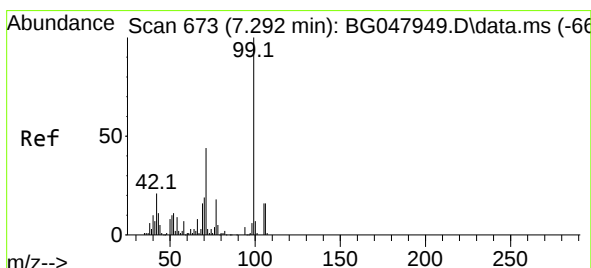
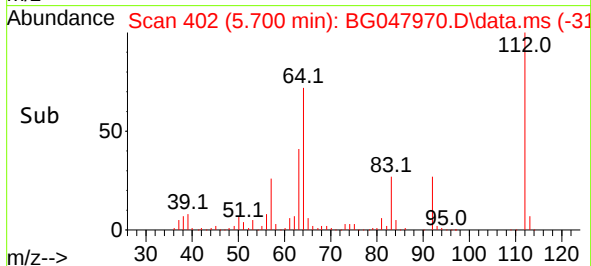
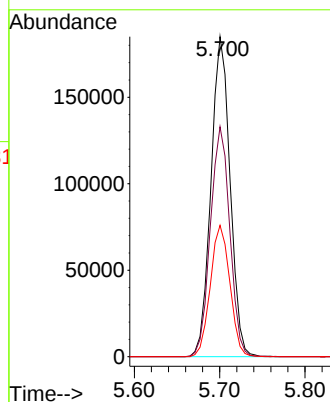
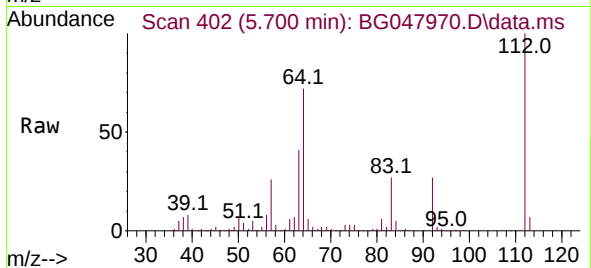




#5
2-Fluorophenol
Concen: 94.87 ng
RT: 5.700 min Scan# 402
Delta R.T. 0.001 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

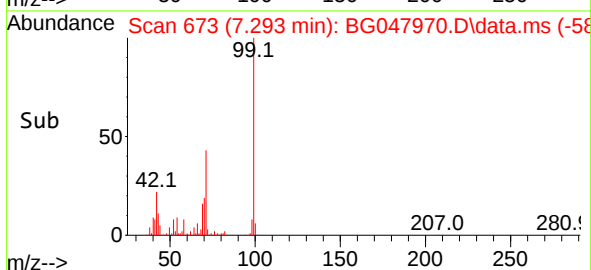
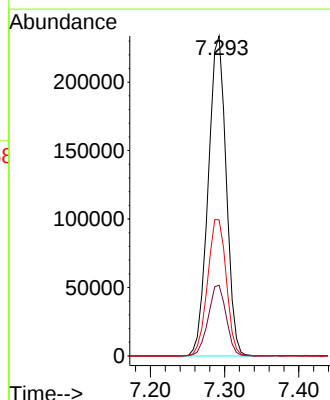
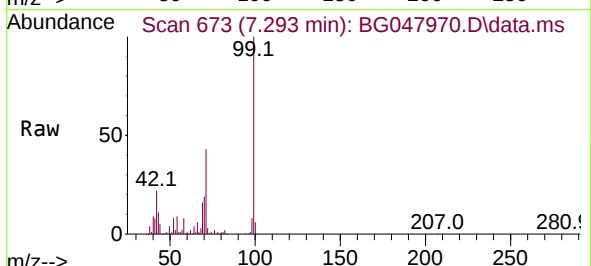
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

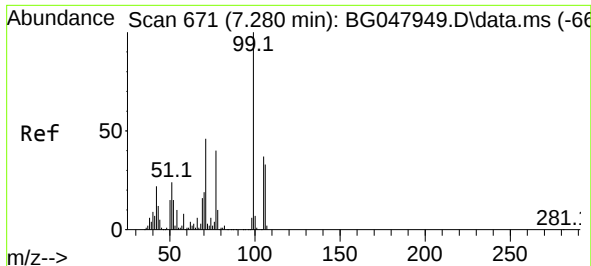
Tgt Ion:112 Resp: 287802
Ion Ratio Lower Upper
112 100
64 71.8 46.7 70.1#
63 41.1 22.8 34.2#



#7
Phenol-d6
Concen: 86.01 ng
RT: 7.293 min Scan# 673
Delta R.T. 0.001 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion: 99 Resp: 393901
Ion Ratio Lower Upper
99 100
42 22.1 12.8 19.2#
71 42.6 24.6 36.8#

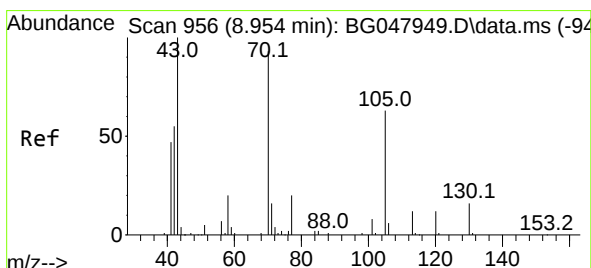
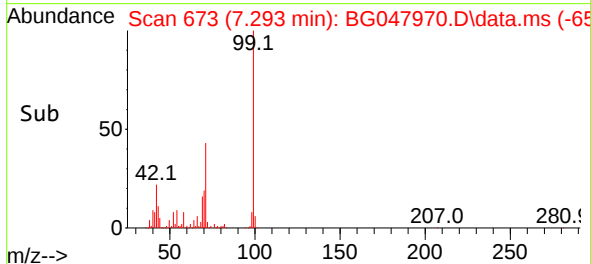
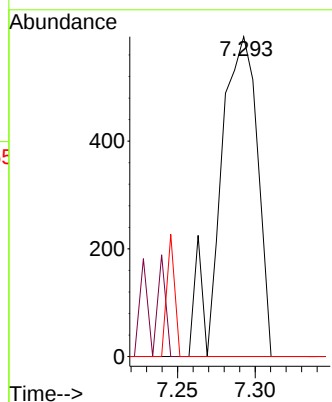
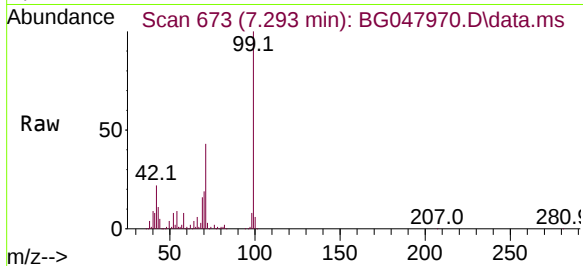




#9
Benzaldehyde
Concen: Below Cal
RT: 7.293 min Scan# 673
Delta R.T. 0.013 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

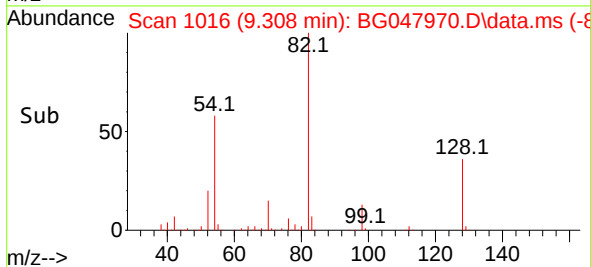
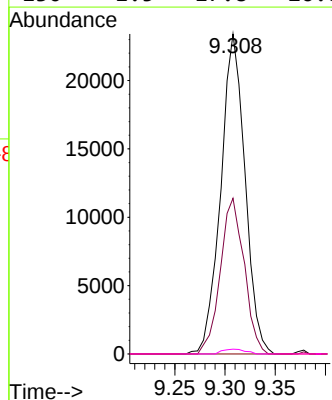
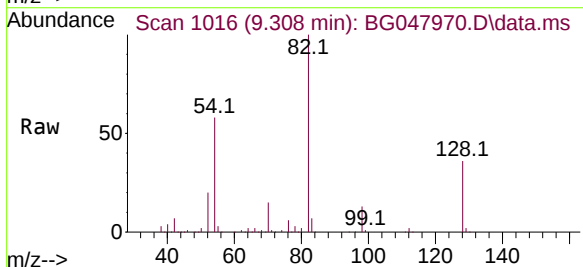
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

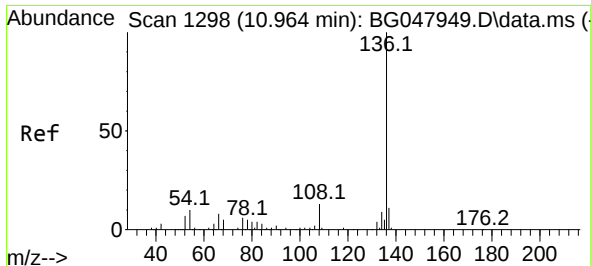
Tgt Ion: 77 Resp: 997
Ion Ratio Lower Upper
77 100
105 0.0 85.9 125.9#
106 0.0 80.9 120.9#



#19
n-Nitroso-di-n-propylamine
Concen: 12.13 ng
RT: 9.308 min Scan# 1016
Delta R.T. 0.353 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion: 70 Resp: 39307
Ion Ratio Lower Upper
70 100
42 48.6 45.6 68.4
101 0.0 8.4 12.6#
130 1.5 17.8 26.8#

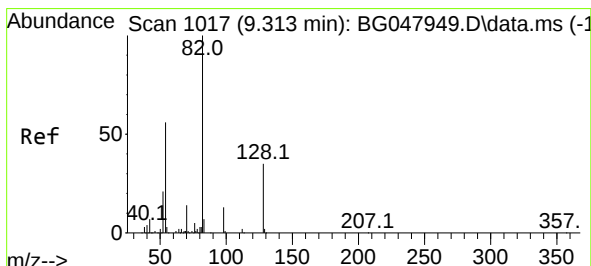
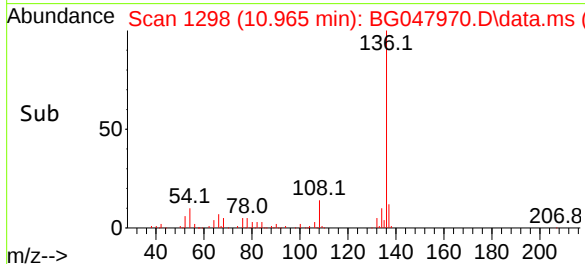
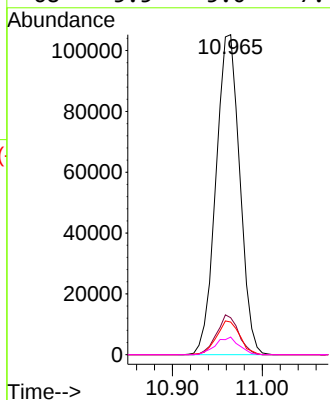
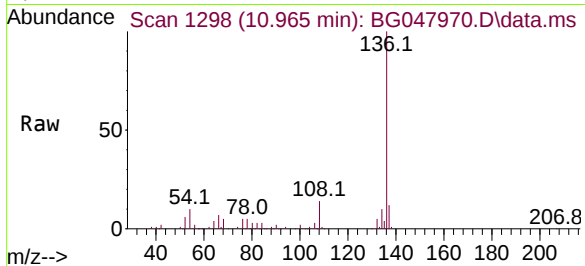




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.965 min Scan# 1298
Delta R.T. 0.001 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

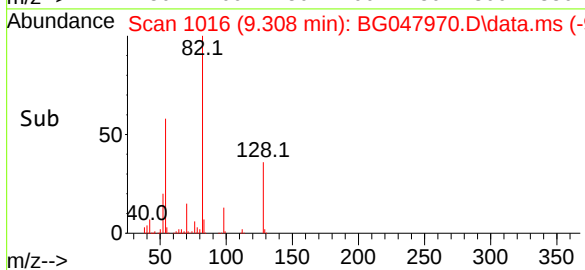
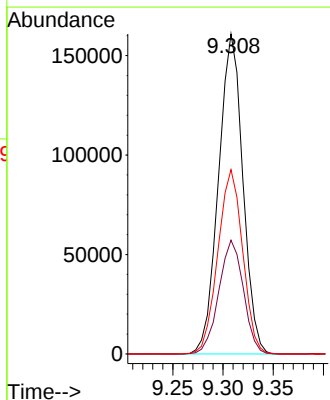
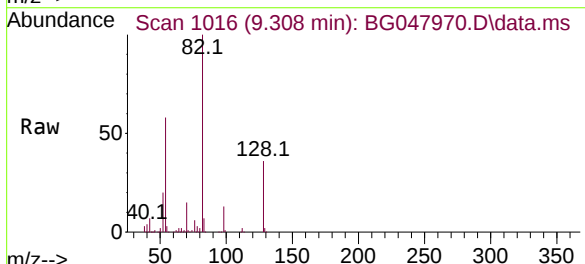
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

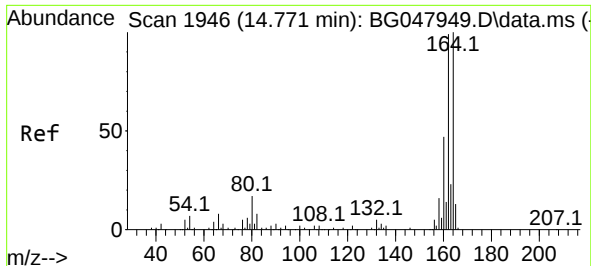
Tgt Ion:	136	Resp:	193618
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.1	13.7
54	10.2	6.2	9.4#
68	5.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 61.47 ng
RT: 9.308 min Scan# 1016
Delta R.T. -0.005 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion:	82	Resp:	270673
Ion Ratio	Lower	Upper	
82	100		
128	35.5	37.0	55.6#
54	57.6	39.0	58.4

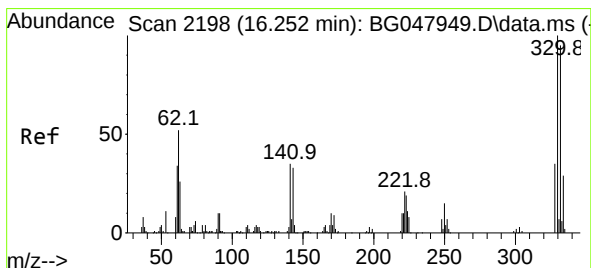
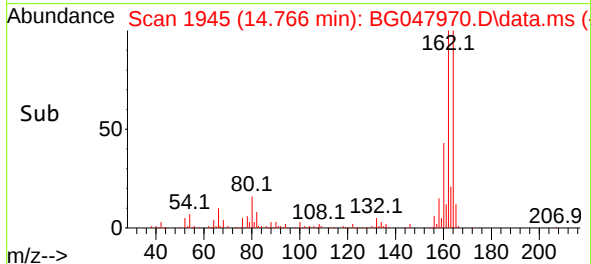
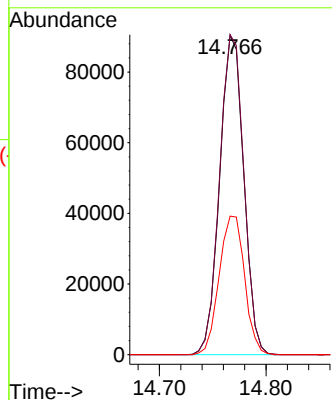
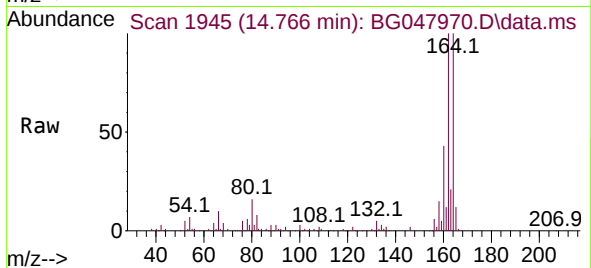




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.766 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

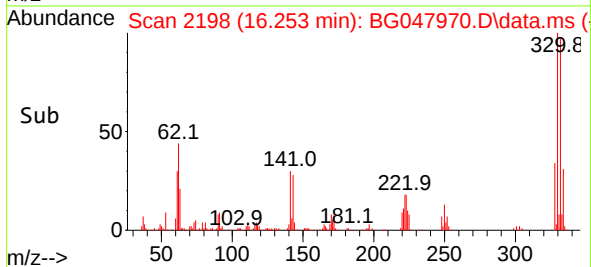
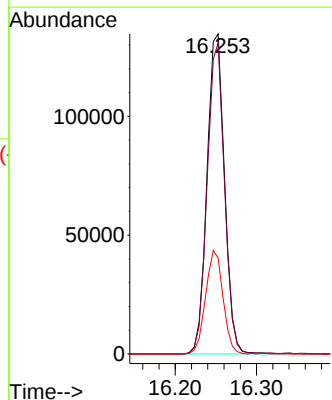
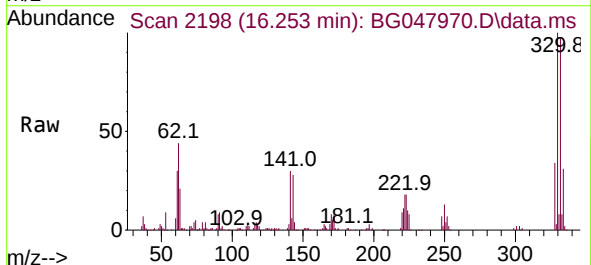
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

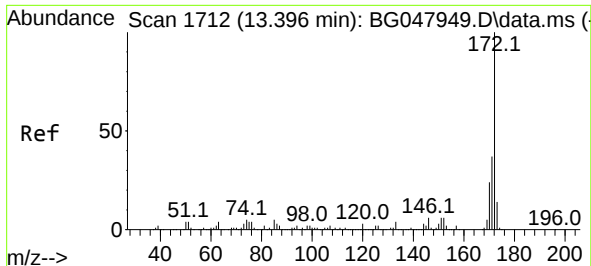
Tgt Ion:164 Resp: 141738
Ion Ratio Lower Upper
164 100
162 100.2 82.3 123.5
160 43.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 89.18 ng
RT: 16.253 min Scan# 2198
Delta R.T. 0.001 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion:330 Resp: 202288
Ion Ratio Lower Upper
330 100
332 95.5 76.5 114.7
141 32.0 26.0 39.0

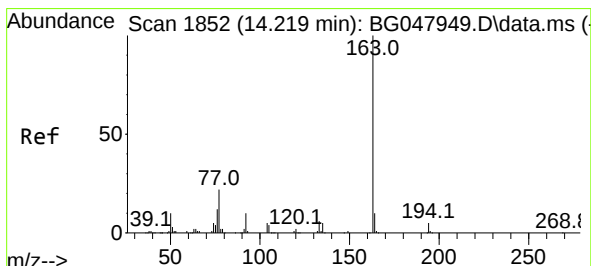
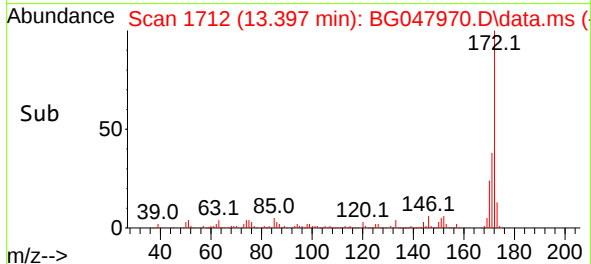
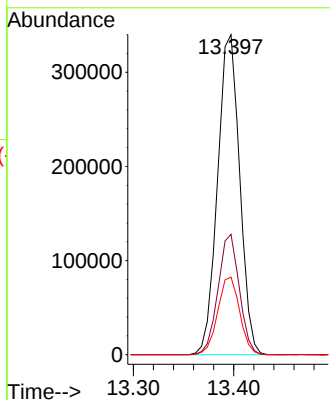
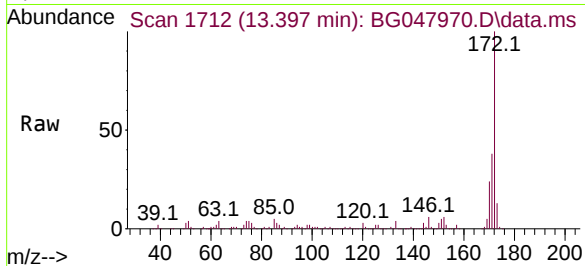




#45
2-Fluorobiphenyl
Concen: 48.98 ng
RT: 13.397 min Scan# 1712
Delta R.T. 0.001 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

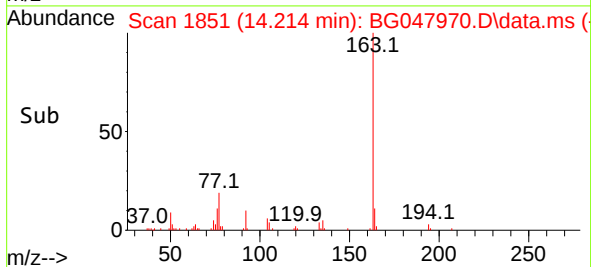
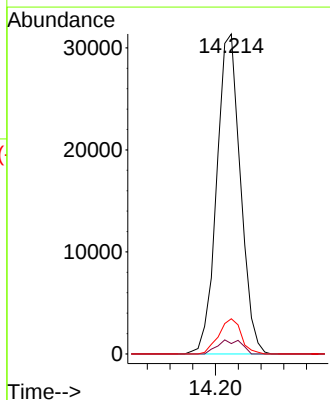
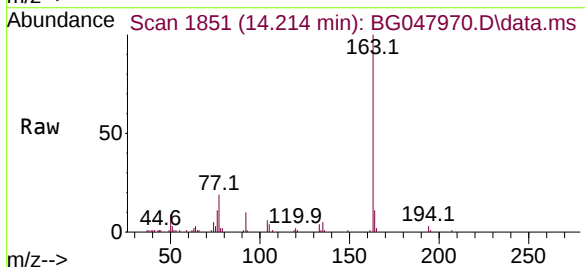
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

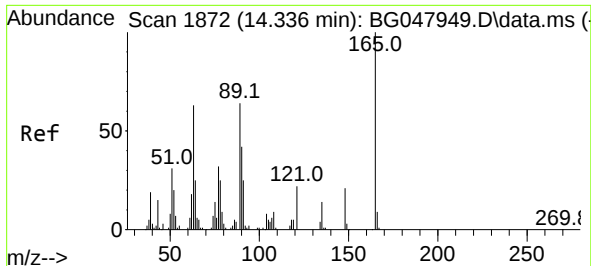
Tgt Ion:172 Resp: 519815
Ion Ratio Lower Upper
172 100
171 37.6 31.3 46.9
170 24.2 20.8 31.2



#50
Dimethylphthalate
Concen: 3.68 ng
RT: 14.214 min Scan# 1851
Delta R.T. -0.005 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion:163 Resp: 45390
Ion Ratio Lower Upper
163 100
194 3.3 3.8 5.8#
164 11.0 8.8 13.2

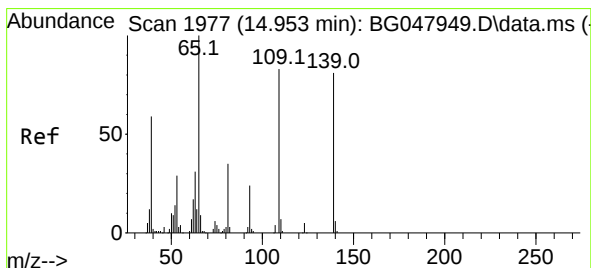
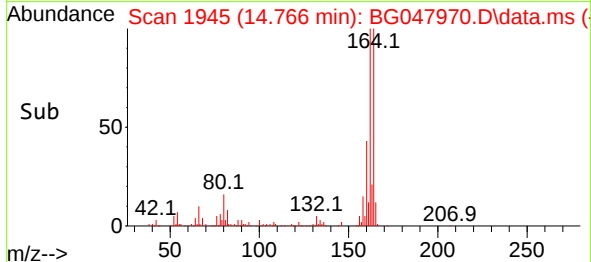
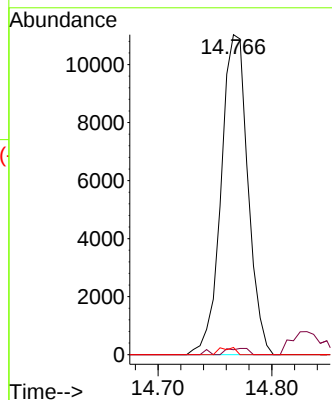
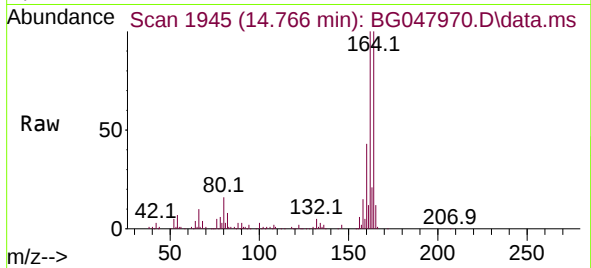




#51
2,6-Dinitrotoluene
Concen: 7.61 ng
RT: 14.766 min Scan# 1945
Delta R.T. 0.430 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

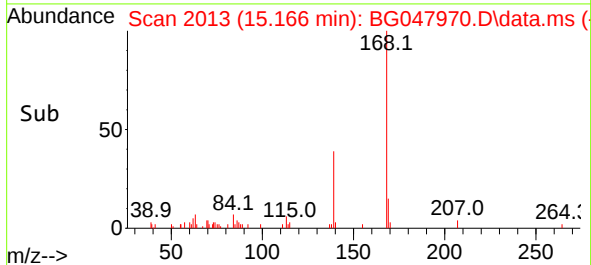
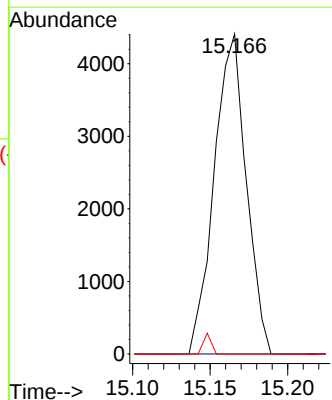
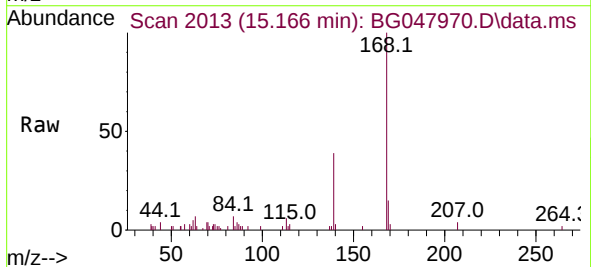
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

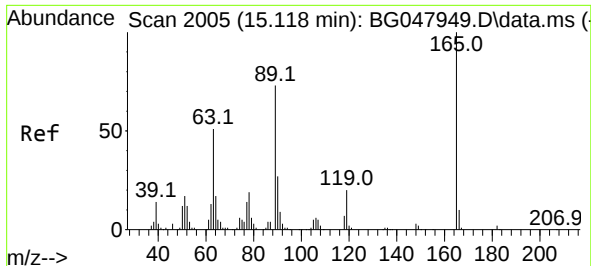
Tgt Ion:165 Resp: 18044
Ion Ratio Lower Upper
165 100
63 1.6 33.7 50.5#
89 2.3 36.6 54.8#



#56
4-Nitrophenol
Concen: 3.13 ng
RT: 15.166 min Scan# 2013
Delta R.T. 0.212 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion:139 Resp: 6326
Ion Ratio Lower Upper
139 100
109 0.0 45.9 85.9#
65 0.0 65.4 105.4#

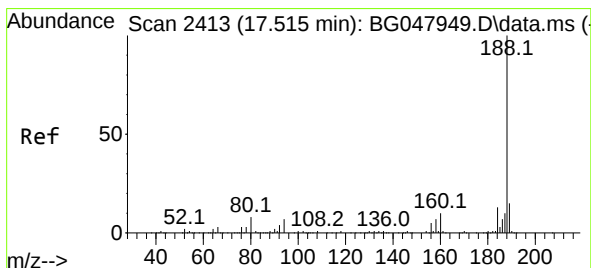
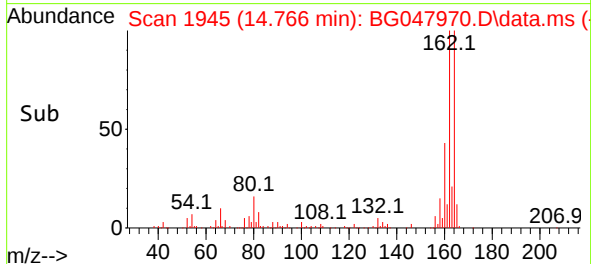
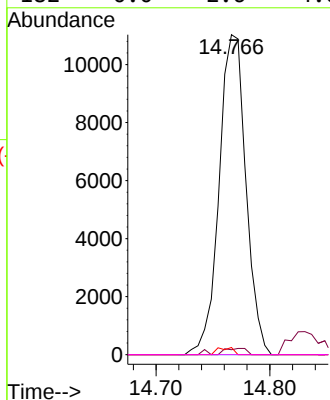
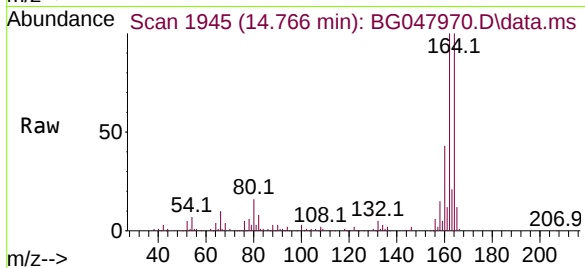




#57
2,4-Dinitrotoluene
Concen: 5.42 ng
RT: 14.766 min Scan# 1945
Delta R.T. -0.352 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

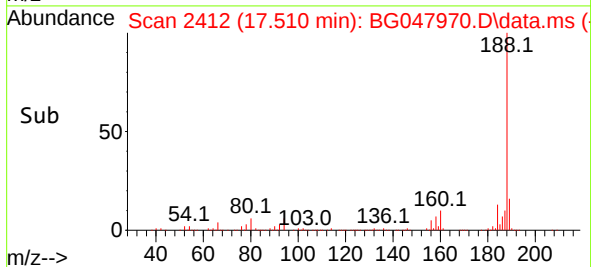
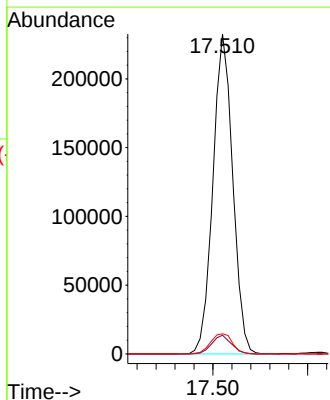
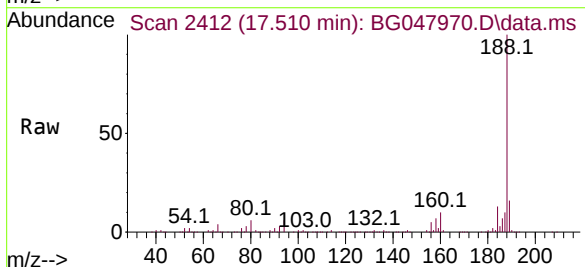
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

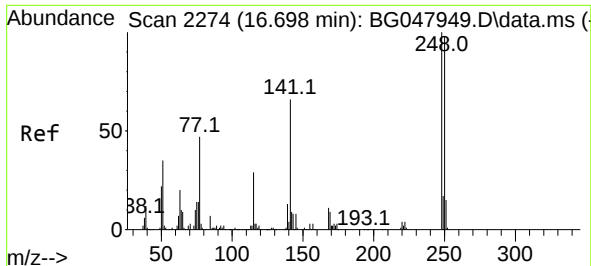
Tgt Ion:165	Resp:	18044
Ion Ratio	Lower	Upper
165	100	
63	1.6	26.4 39.6#
89	2.3	47.8 71.8#
182	0.0	2.6 4.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.510 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion:188	Resp:	337508
Ion Ratio	Lower	Upper
188	100	
94	5.9	6.3 9.5#
80	6.3	7.0 10.6#

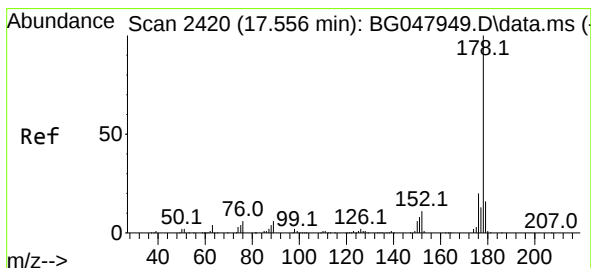
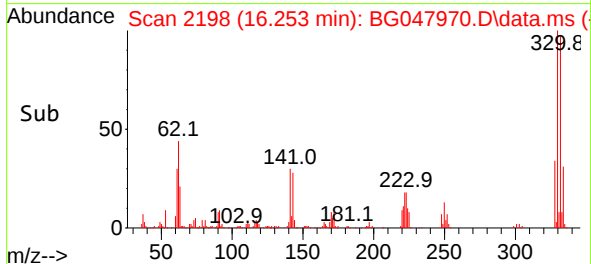
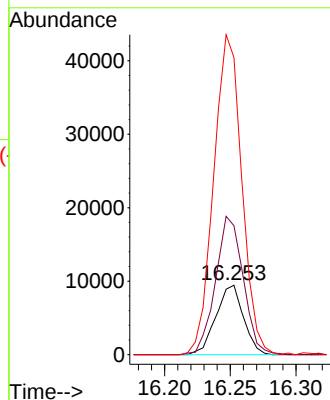
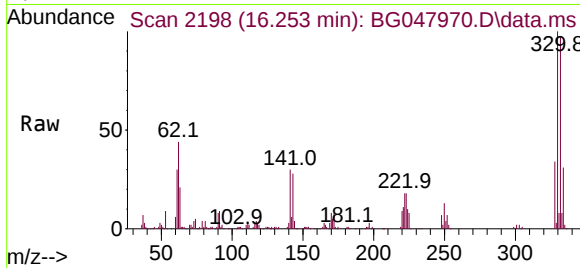




#67
4-Bromophenyl-phenylether
Concen: 3.08 ng
RT: 16.253 min Scan# 2198
Delta R.T. -0.446 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

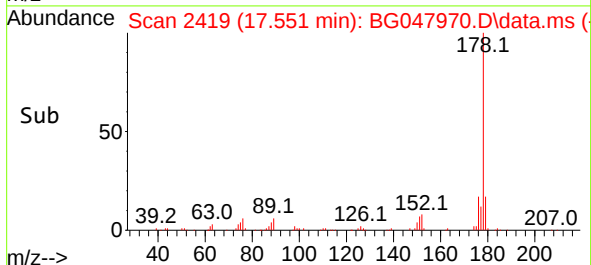
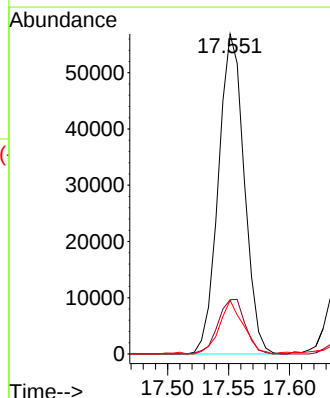
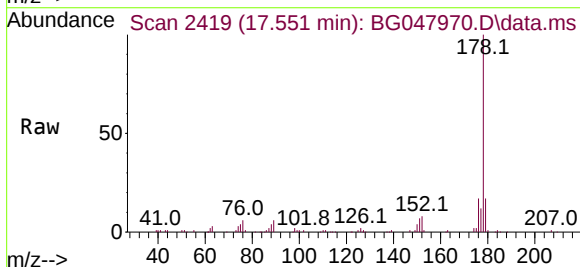
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

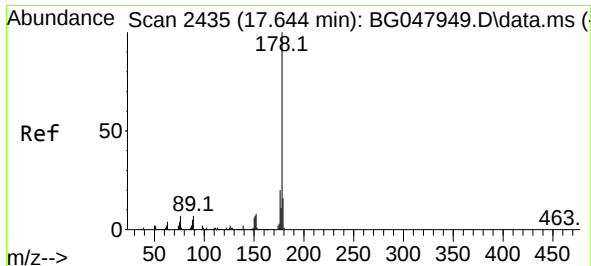
Tgt Ion:248 Resp: 13768
Ion Ratio Lower Upper
248 100
250 185.6 78.9 118.3#
141 427.8 46.2 69.4#



#71
Phenanthrene
Concen: 4.59 ng
RT: 17.551 min Scan# 2419
Delta R.T. -0.005 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion:178 Resp: 83823
Ion Ratio Lower Upper
178 100
176 16.9 16.7 25.1
179 16.7 14.0 21.0

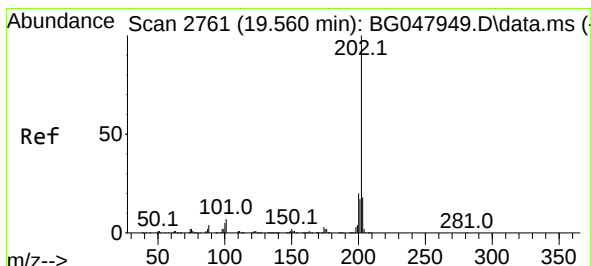
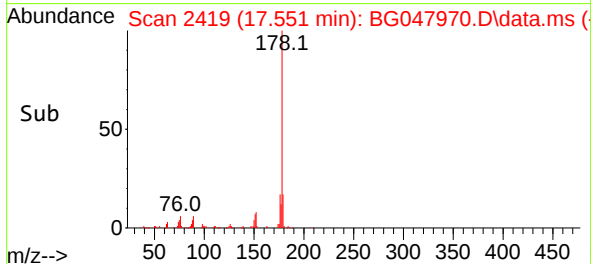
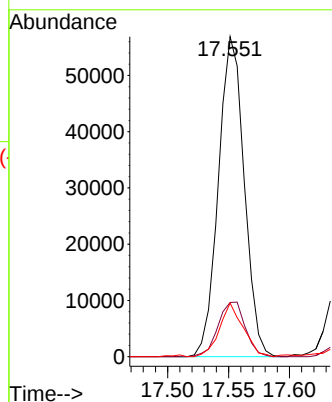
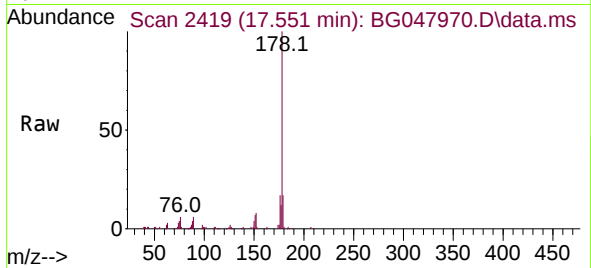




#72
 Anthracene
 Concen: 4.69 ng
 RT: 17.551 min Scan# 2419
 Delta R.T. -0.093 min
 Lab File: BG047970.D
 Acq: 22 Jan 2021 2:08

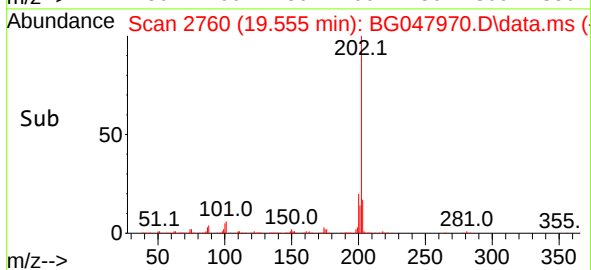
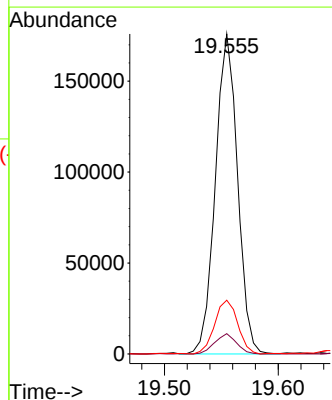
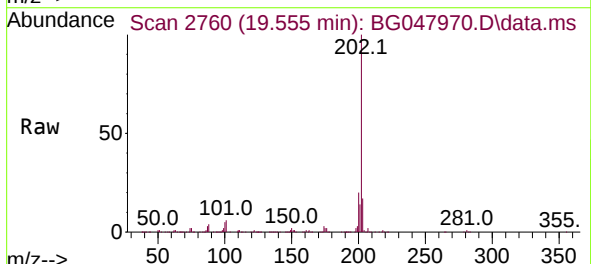
Instrument :
 BNA_G
 ClientSampleId :
 BORE-2-ALT

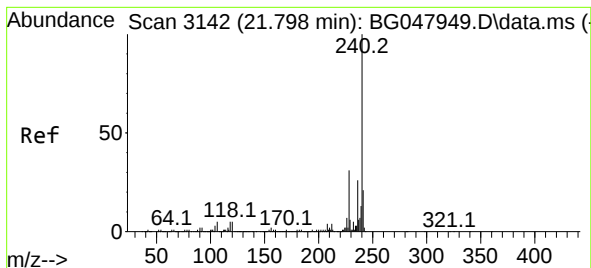
Tgt Ion:178	Resp:	83823
Ion Ratio	Lower	Upper
178	100	
176	16.9	16.4 24.6
179	16.7	13.8 20.6



#75
 Fluoranthene
 Concen: 9.80 ng
 RT: 19.555 min Scan# 2760
 Delta R.T. -0.005 min
 Lab File: BG047970.D
 Acq: 22 Jan 2021 2:08

Tgt Ion:202	Resp:	238025
Ion Ratio	Lower	Upper
202	100	
101	6.4	0.0 29.7
203	16.8	0.0 39.2

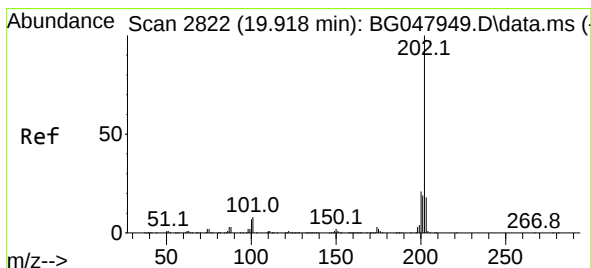
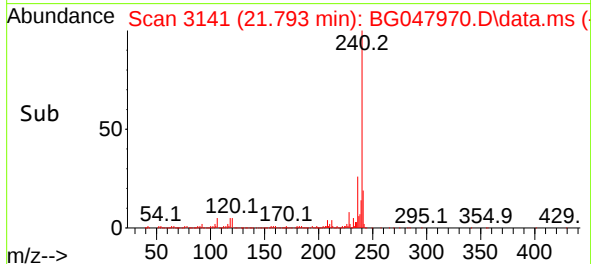
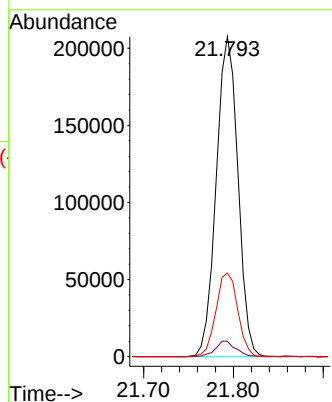
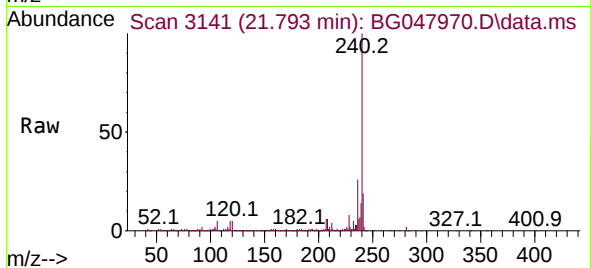




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.793 min Scan# 3141
Delta R.T. -0.005 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

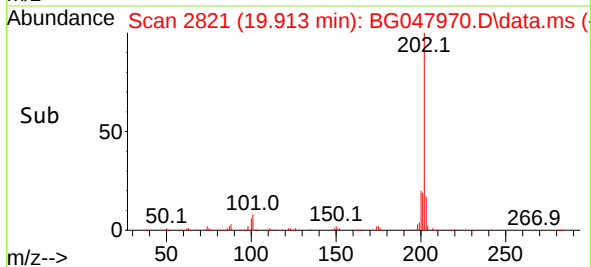
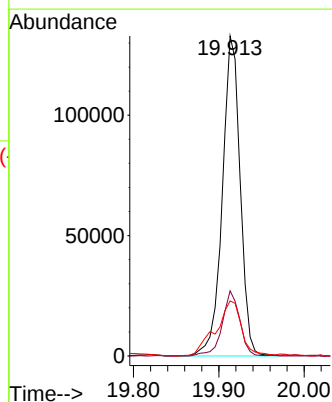
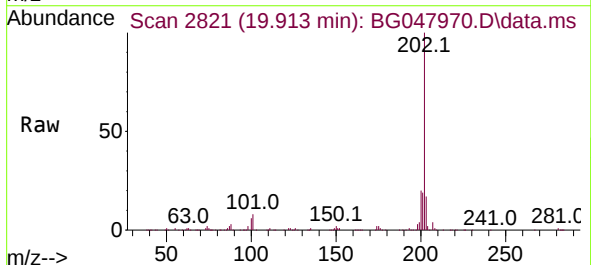
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

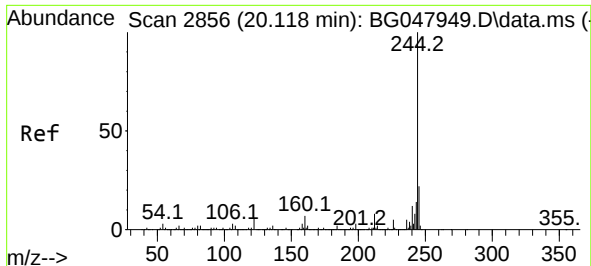
Tgt Ion:240 Resp: 348127
Ion Ratio Lower Upper
240 100
120 4.8 6.2 9.4#
236 26.1 20.5 30.7



#78
Pyrene
Concen: 8.20 ng
RT: 19.913 min Scan# 2821
Delta R.T. -0.005 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

Tgt Ion:202 Resp: 193027
Ion Ratio Lower Upper
202 100
200 20.4 18.6 27.8
203 17.2 15.3 22.9

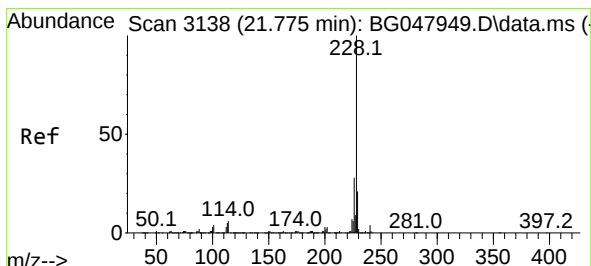
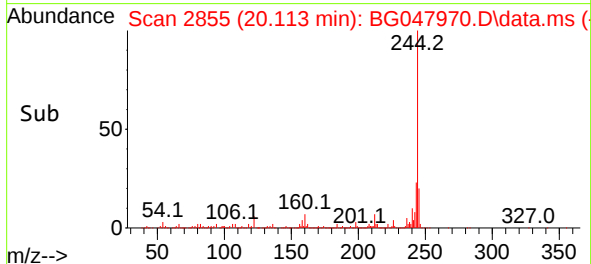
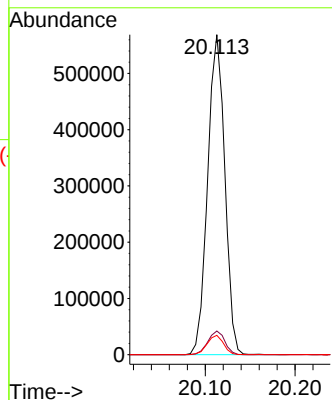
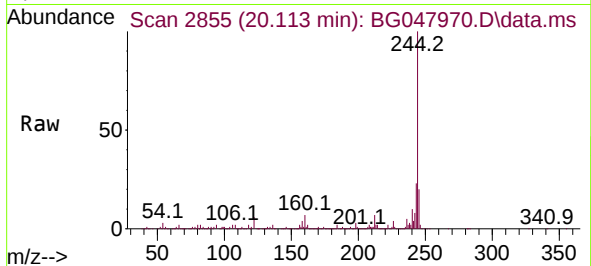




#79
 Terphenyl-d14
 Concen: 40.05 ng
 RT: 20.113 min Scan# 2855
 Delta R.T. -0.005 min
 Lab File: BG047970.D
 Acq: 22 Jan 2021 2:08

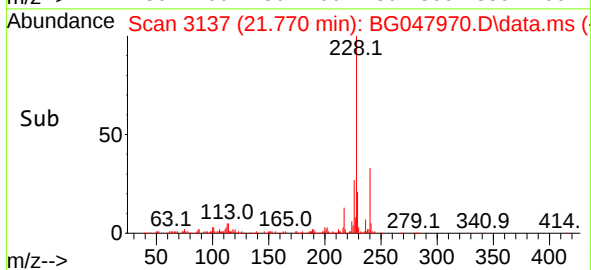
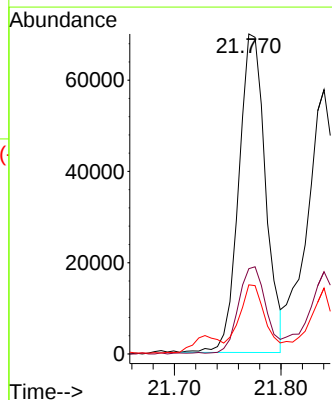
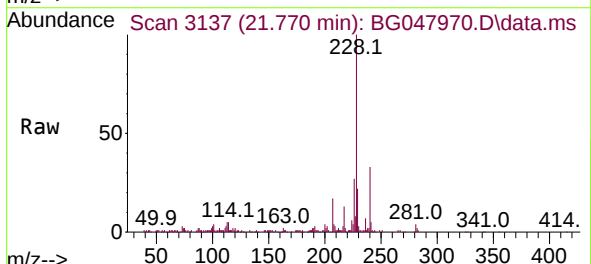
Instrument :
 BNA_G
 ClientSampleId :
 BORE-2-ALT

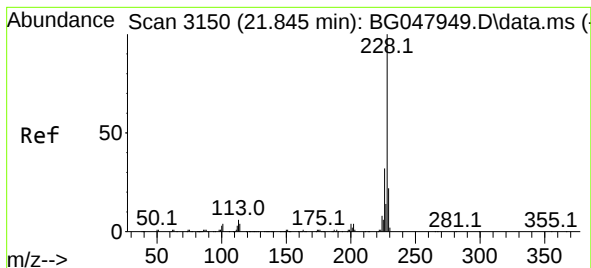
Tgt Ion:244 Resp: 754070
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.7 10.1
 122 6.0 7.8 11.6#



#81
 Benzo(a)anthracene
 Concen: 5.07 ng
 RT: 21.770 min Scan# 3137
 Delta R.T. -0.005 min
 Lab File: BG047970.D
 Acq: 22 Jan 2021 2:08

Tgt Ion:228 Resp: 122015
 Ion Ratio Lower Upper
 228 100
 226 26.7 23.3 34.9
 229 21.6 17.4 26.0





#83

Chrysene

Concen: 4.59 ng

RT: 21.840 min Scan# 3149

Delta R.T. -0.005 min

Lab File: BG047970.D

Acq: 22 Jan 2021 2:08

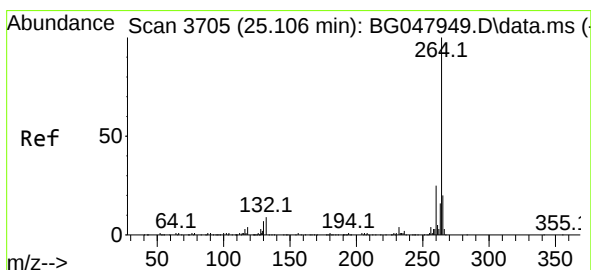
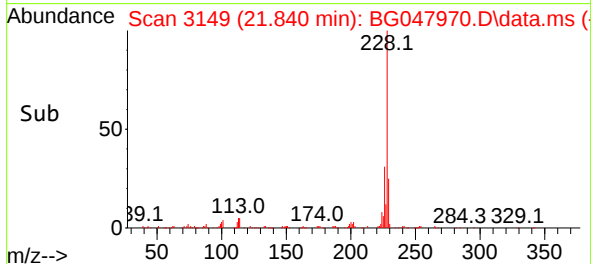
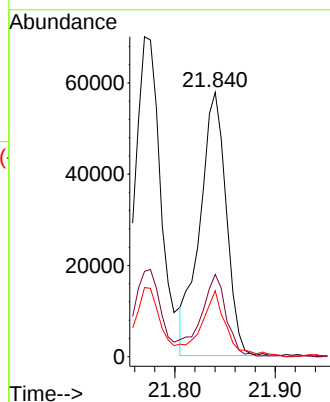
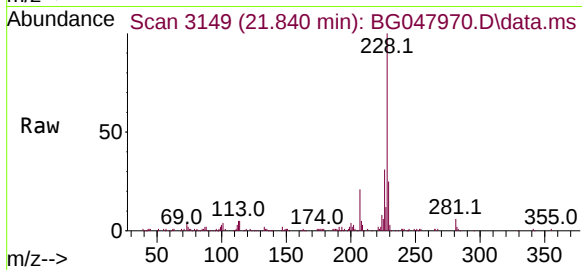
Tgt Ion:228	Resp: 105753
Ion Ratio	Lower Upper
228 100	
226 31.1	25.0 37.4
229 25.0	17.3 25.9

Instrument :

BNA_G

ClientSampleId :

BORE-2-ALT



#86

Perylene-d12

Concen: 20.00 ng

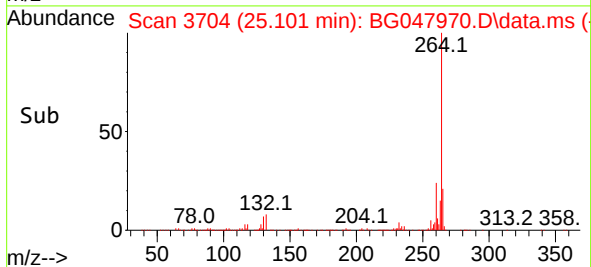
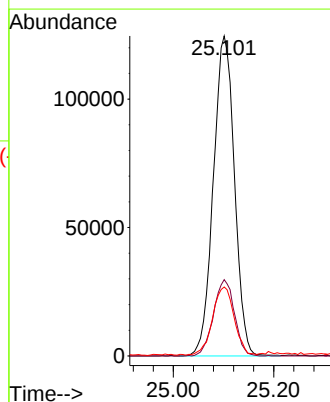
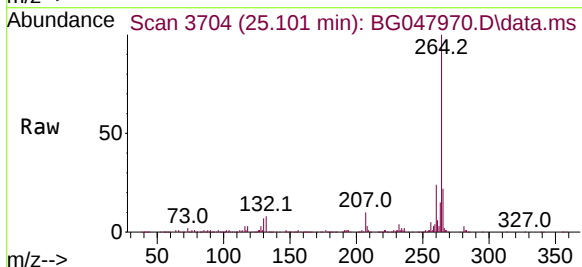
RT: 25.101 min Scan# 3704

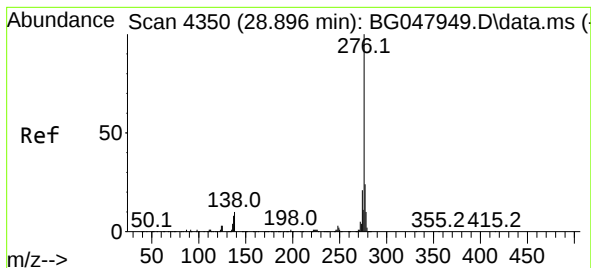
Delta R.T. -0.005 min

Lab File: BG047970.D

Acq: 22 Jan 2021 2:08

Tgt Ion:264	Resp: 363703
Ion Ratio	Lower Upper
264 100	
260 23.8	18.8 28.2
265 21.6	17.8 26.8

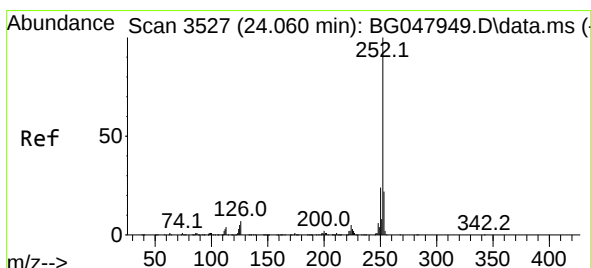
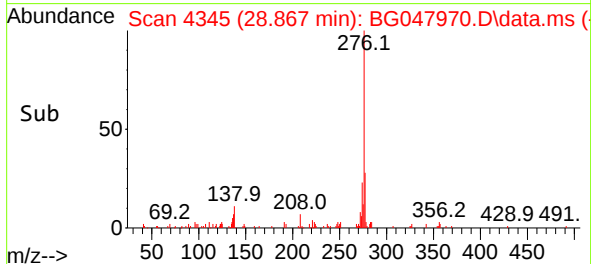
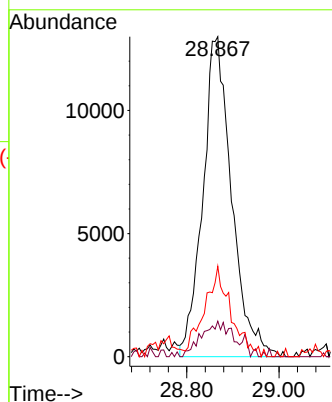
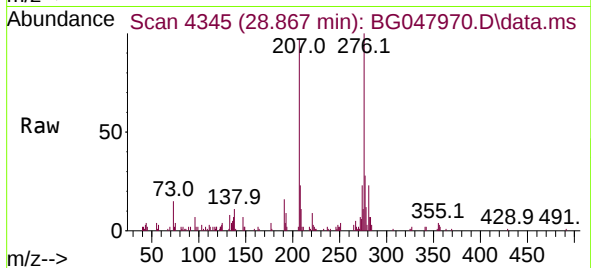




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.03 ng
 RT: 28.867 min Scan# 4345
 Delta R.T. -0.028 min
 Lab File: BG047970.D
 Acq: 22 Jan 2021 2:08

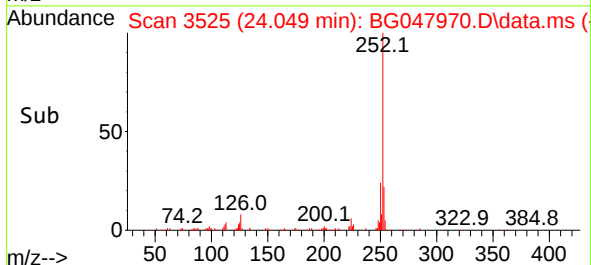
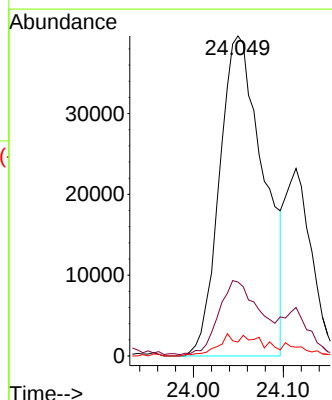
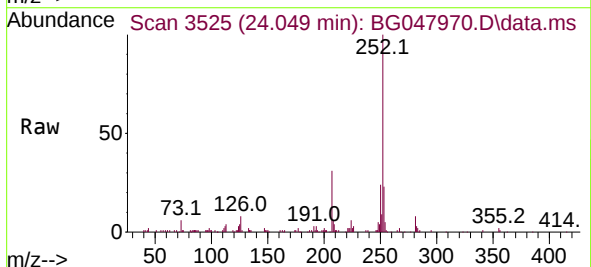
Instrument :
 BNA_G
 ClientSampleId :
 BORE-2-ALT

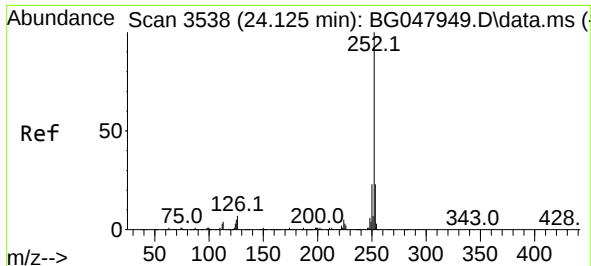
Tgt Ion:	276	Resp:	56497
Ion Ratio	Lower	Upper	
276	100		
138	11.2	16.2	24.2#
277	26.2	20.3	30.5



#88
 Benzo(b)fluoranthene
 Concen: 5.59 ng
 RT: 24.049 min Scan# 3525
 Delta R.T. -0.011 min
 Lab File: BG047970.D
 Acq: 22 Jan 2021 2:08

Tgt Ion:	252	Resp:	135151
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.7	28.1
125	4.4	6.5	9.7#

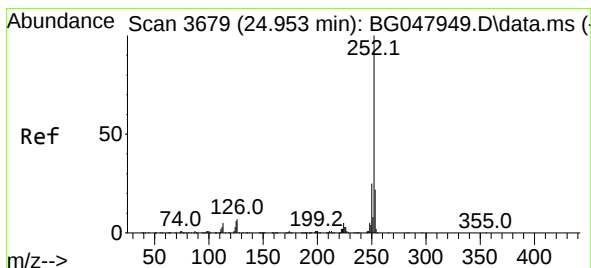
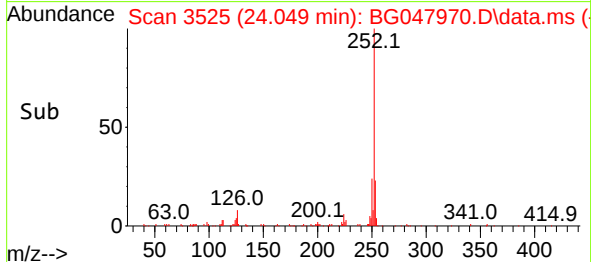
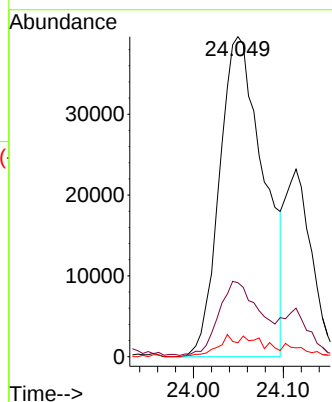
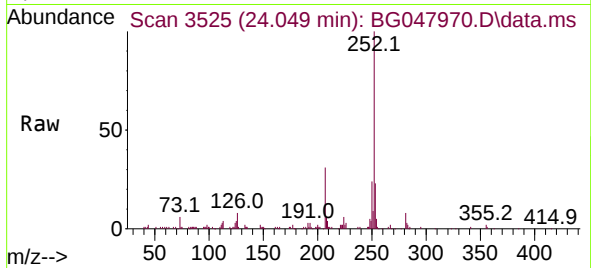




#89
Benzo(k)fluoranthene
Concen: 5.75 ng
RT: 24.049 min Scan# 3525
Delta R.T. -0.075 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

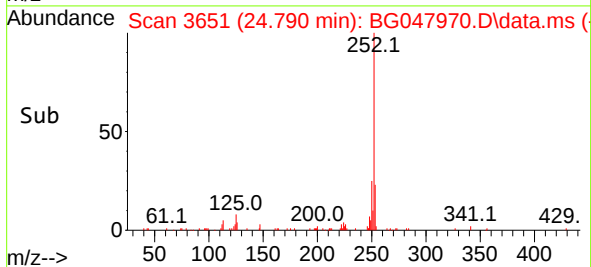
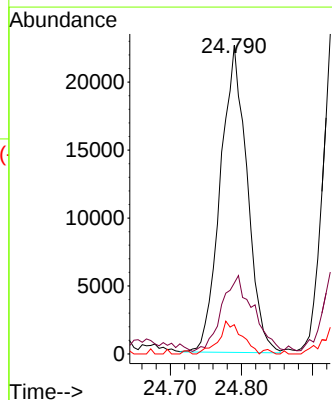
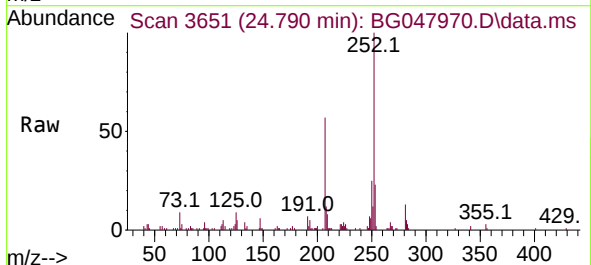
Instrument :
BNA_G
ClientSampleId :
BORE-2-ALT

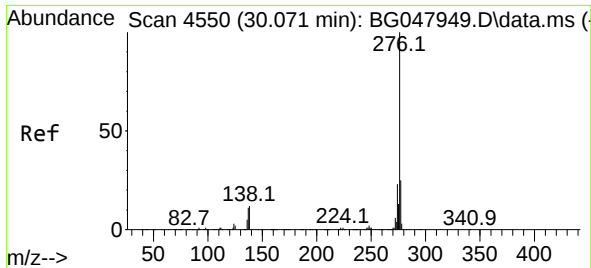
Tgt Ion:252 Resp: 135151
Ion Ratio Lower Upper
252 100
253 23.1 18.6 27.8
125 4.4 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 2.59 ng
RT: 24.790 min Scan# 3651
Delta R.T. -0.164 min
Lab File: BG047970.D
Acq: 22 Jan 2021 2:08

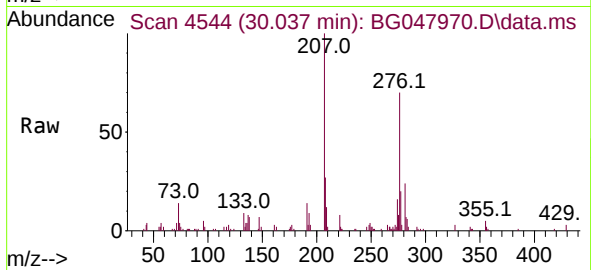
Tgt Ion:252 Resp: 58945
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 9.5 7.0 10.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.25 ng
 RT: 30.037 min Scan# 4544
 Delta R.T. -0.034 min
 Lab File: BG047970.D
 Acq: 22 Jan 2021 2:08

Instrument :
 BNA_G
 ClientSampleId :
 BORE-2-ALT



Tgt Ion:	276	Resp:	49886
Ion	Ratio	Lower	Upper
276	100		
277	28.8	19.6	29.4
138	10.6	13.4	20.2#

