

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
 Data File : BG048481.D
 Acq On : 23 Mar 2021 22:33
 Operator : CG/JU
 Sample : M1766-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2B1-(3.0-3.5)

Quant Time: Mar 24 02:21:16 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 22 11:22:24 2021
 Response via : Initial Calibration

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

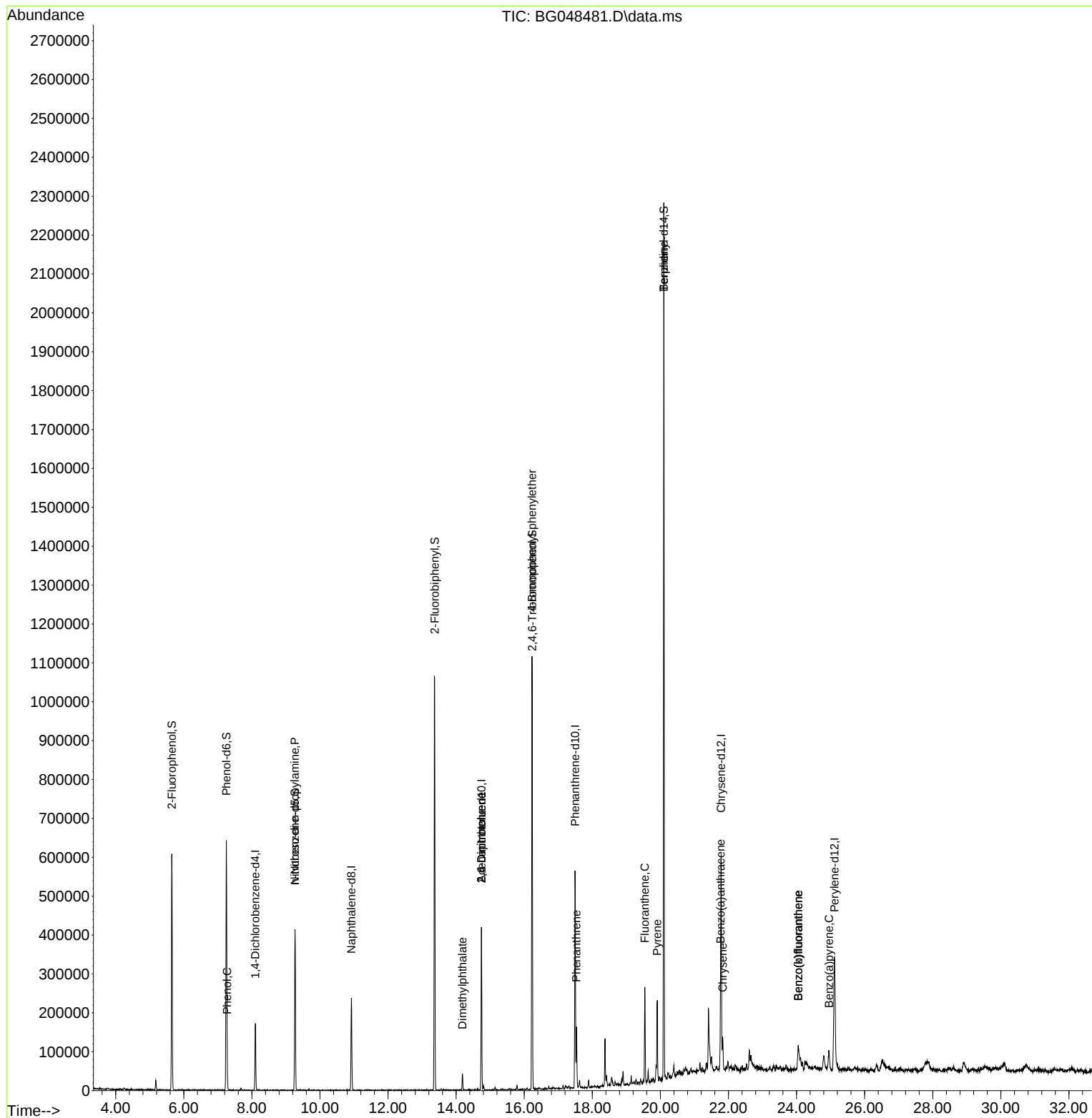
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	43235	20.00	ng	# 0.00
21) Naphthalene-d8	10.924	136	180962	20.00	ng	# 0.00
39) Acenaphthene-d10	14.743	164	134785	20.00	ng	0.00
64) Phenanthrene-d10	17.493	188	339279	20.00	ng	# 0.00
76) Chrysene-d12	21.782	240	318527	20.00	ng	#-0.01
86) Perylene-d12	25.113	264	337169	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.648	112	229904	87.93	ng	0.00
7) Phenol-d6	7.252	99	322588	84.79	ng	0.00
23) Nitrobenzene-d5	9.267	82	247328	54.65	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	208524	95.13	ng	0.00
45) 2-Fluorobiphenyl	13.368	172	536142	57.22	ng	0.00
79) Terphenyl-d14	20.101	244	977147	55.32	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.252	77	1028	Below Cal	#	1
10) Phenol	7.275	94	14145	3.63	ng	# 46
19) n-Nitroso-di-n-propyla...	9.267	70	37913	13.43	ng	# 75
50) Dimethylphthalate	14.185	163	24887	2.27	ng	# 94
51) 2,6-Dinitrotoluene	14.743	165	17948	7.60	ng	# 34
57) 2,4-Dinitrotoluene	14.743	165	17948	5.35	ng	# 32
67) 4-Bromophenyl-phenylether	16.229	248	13237	3.10	ng	# 1
71) Phenanthrene	17.534	178	94466	5.27	ng	97
75) Fluoranthene	19.543	202	157439	6.60	ng	91
77) Benzidine	20.101	184	19140	2.01	ng	# 90
78) Pyrene	19.907	202	135251	6.18	ng	93
81) Benzo(a)anthracene	21.764	228	57385	2.60	ng	97
83) Chrysene	21.829	228	60838	2.87	ng	96
88) Benzo(b)fluoranthene	24.050	252	78194	3.29	ng	# 96
89) Benzo(k)fluoranthene	24.050	252	78194	3.49	ng	# 95
90) Benzo(a)pyrene	24.954	252	56943	2.63	ng	98

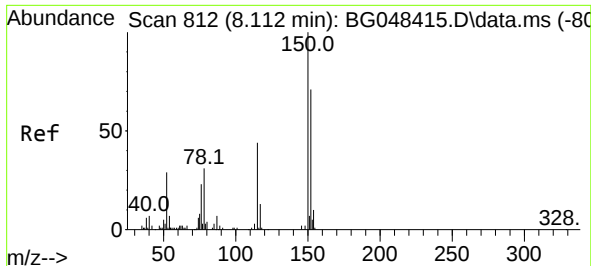
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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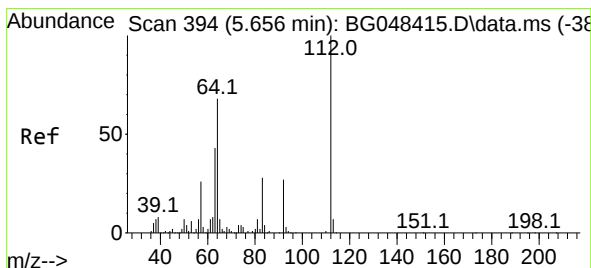
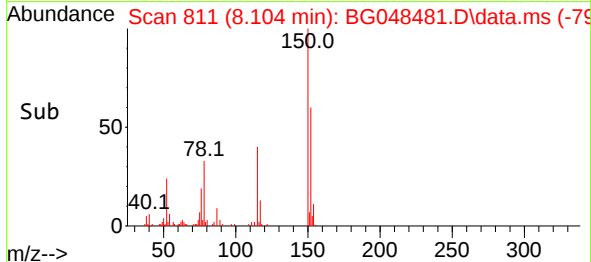
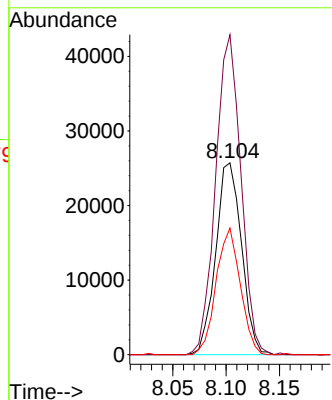
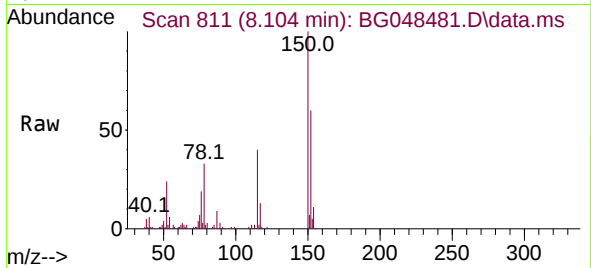




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.104 min Scan# 811
Delta R.T. 0.001 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

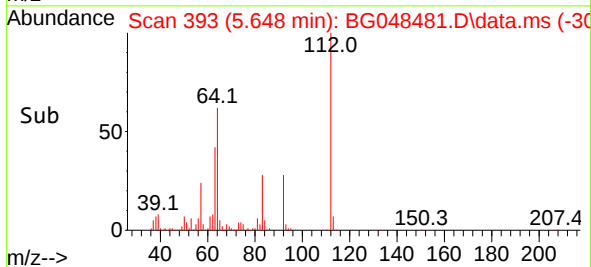
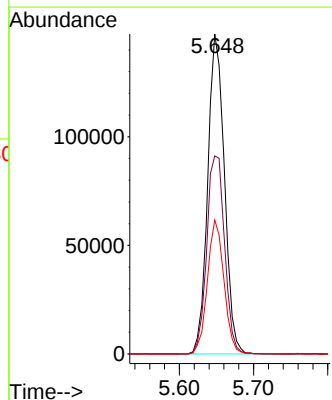
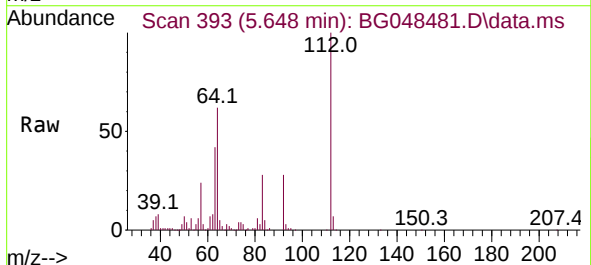
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

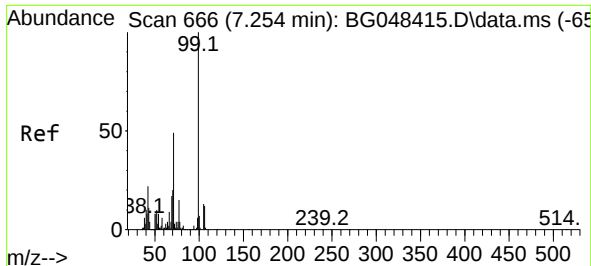
Tgt Ion:152 Resp: 43235
Ion Ratio Lower Upper
152 100
150 166.8 125.0 187.6
115 66.0 41.8 62.6#



#5
2-Fluorophenol
Concen: 87.93 ng
RT: 5.648 min Scan# 393
Delta R.T. 0.001 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion:112 Resp: 229904
Ion Ratio Lower Upper
112 100
64 61.9 46.7 70.1
63 41.8 22.8 34.2#

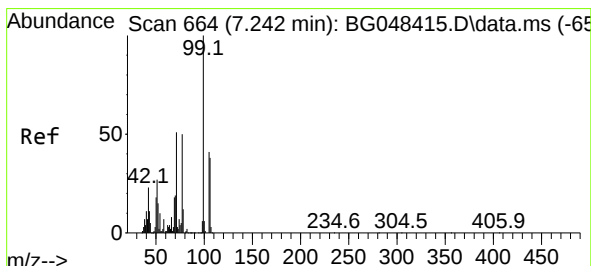
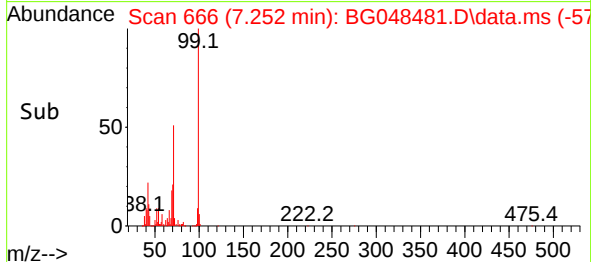
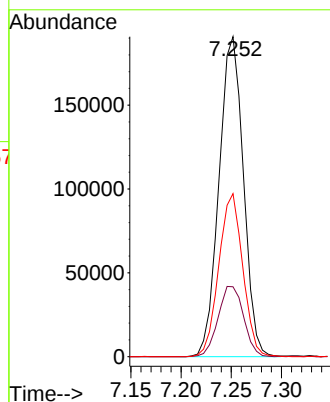
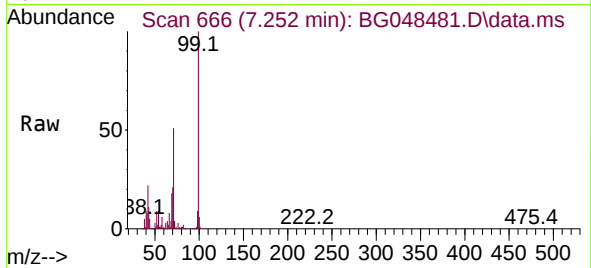




#7
Phenol-d6
Concen: 84.79 ng
RT: 7.252 min Scan# 666
Delta R.T. 0.001 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

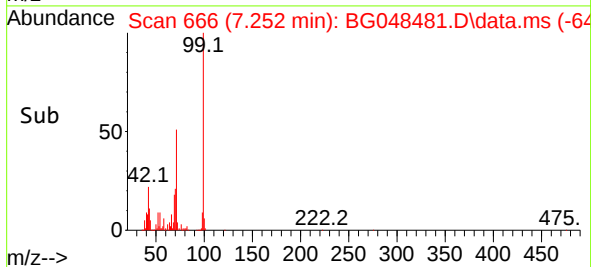
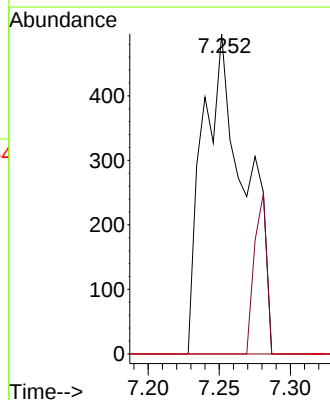
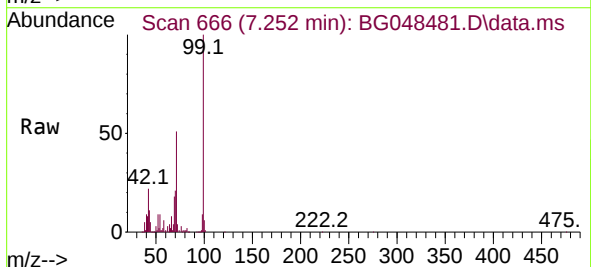
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

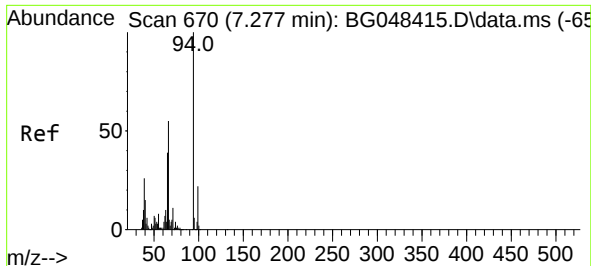
Tgt Ion: 99 Resp: 322588
Ion Ratio Lower Upper
99 100
42 21.9 12.8 19.2#
71 51.0 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.252 min Scan# 666
Delta R.T. 0.013 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion: 77 Resp: 1028
Ion Ratio Lower Upper
77 100
105 0.0 85.9 125.9#
106 0.0 80.9 120.9#

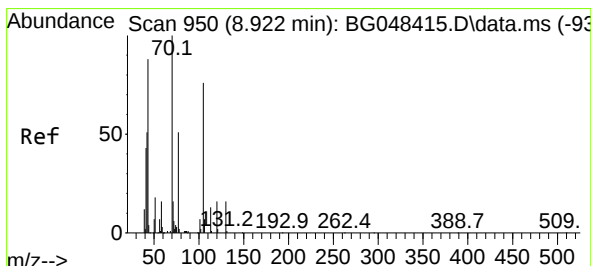
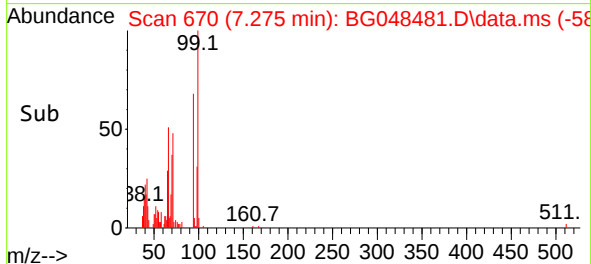
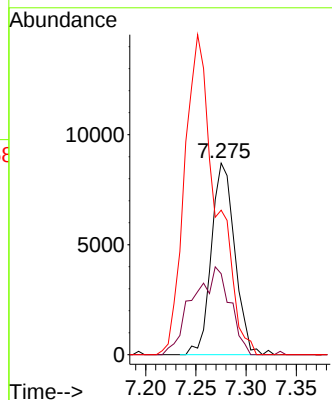
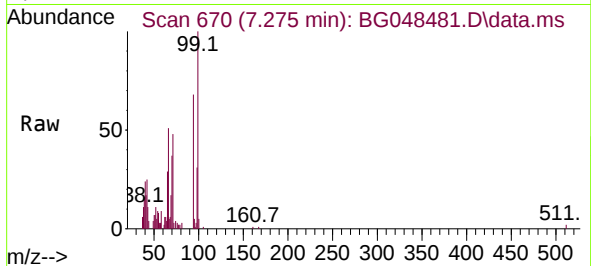




#10
Phenol
Concen: 3.63 ng
RT: 7.275 min Scan# 670
Delta R.T. 0.001 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

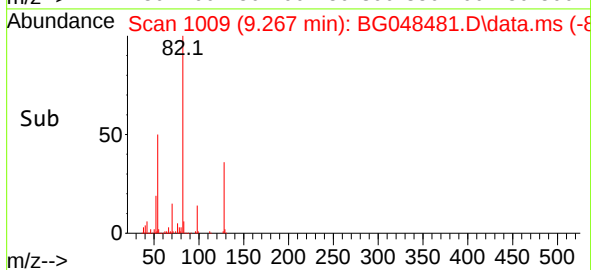
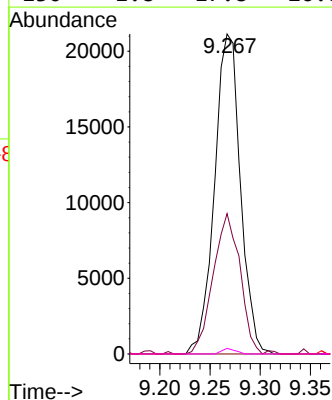
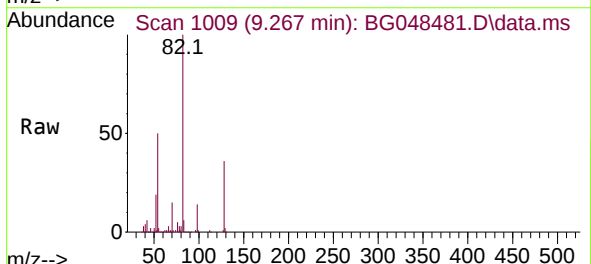
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

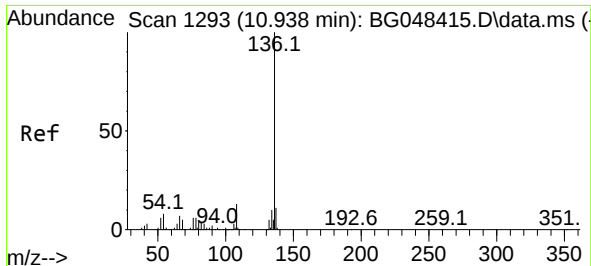
Tgt Ion: 94 Resp: 14145
Ion Ratio Lower Upper
94 100
65 42.3 6.6 46.6
66 75.4 13.9 53.9#



#19
n-Nitroso-di-n-propylamine
Concen: 13.43 ng
RT: 9.267 min Scan# 1009
Delta R.T. 0.353 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion: 70 Resp: 37913
Ion Ratio Lower Upper
70 100
42 43.8 45.6 68.4#
101 0.0 8.4 12.6#
130 1.8 17.8 26.8#

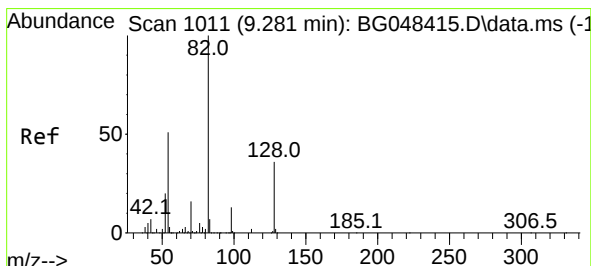
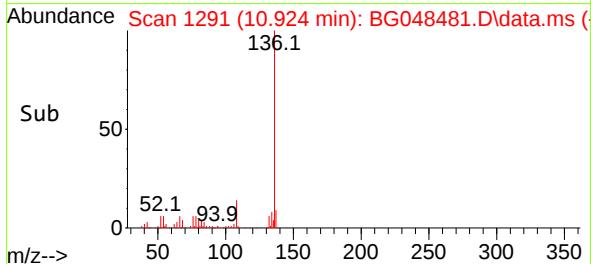
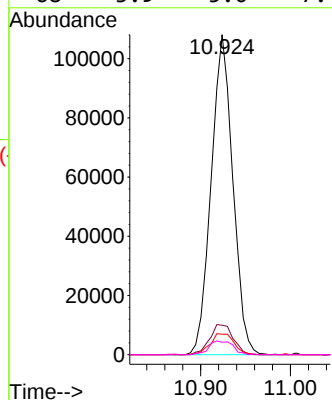
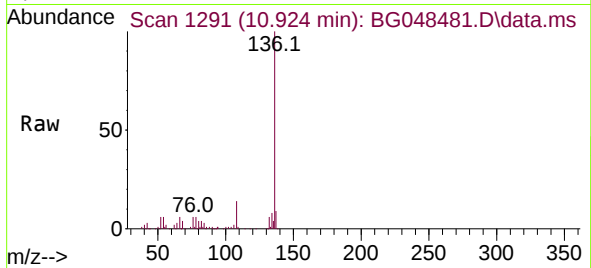




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.924 min Scan# 1291
Delta R.T. -0.005 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

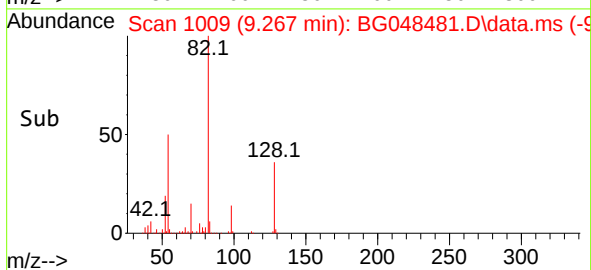
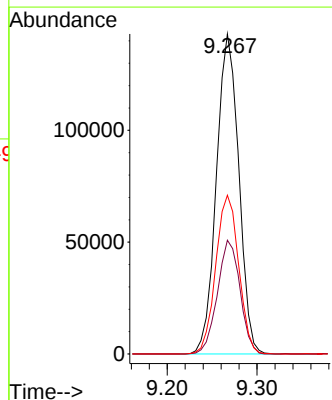
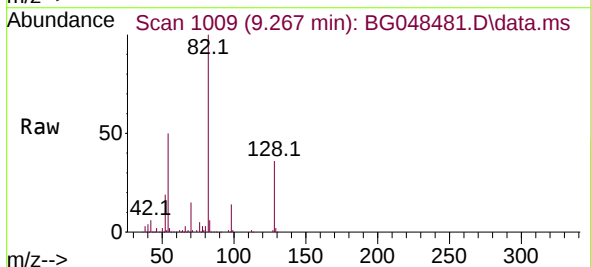
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

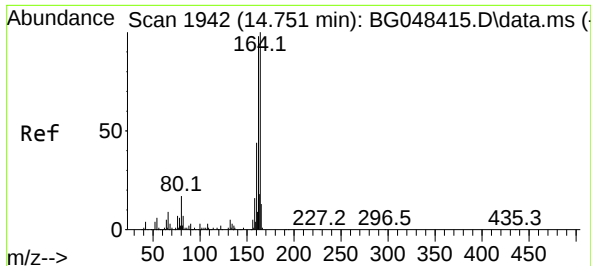
Tgt Ion:136 Resp: 180962
Ion Ratio Lower Upper
136 100
137 9.2 9.1 13.7
54 6.4 6.2 9.4
68 3.9 5.0 7.4#



#23
Nitrobenzene-d5
Concen: 54.65 ng
RT: 9.267 min Scan# 1009
Delta R.T. -0.005 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion: 82 Resp: 247328
Ion Ratio Lower Upper
82 100
128 35.5 37.0 55.6#
54 49.6 39.0 58.4

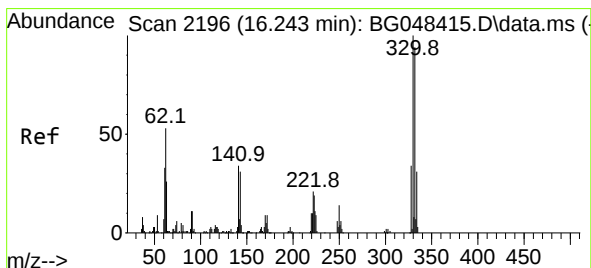
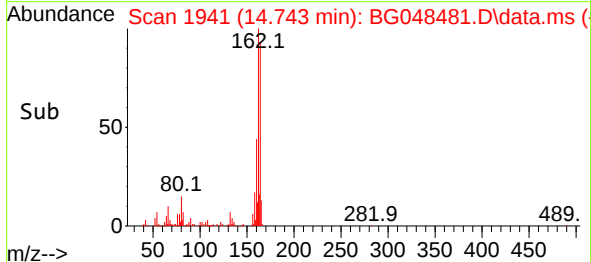
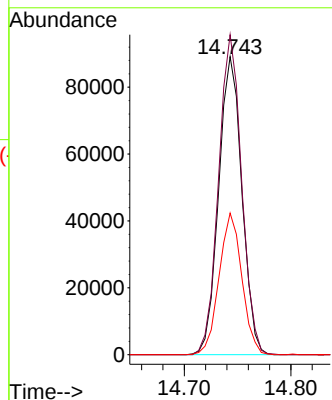
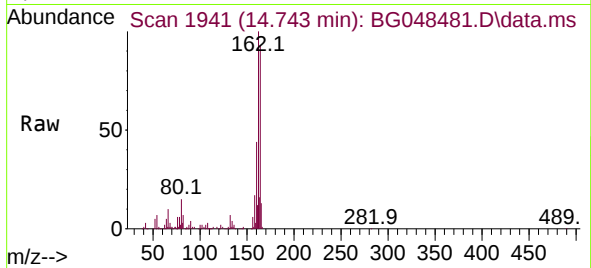




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.743 min Scan# 1941
Delta R.T. -0.005 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

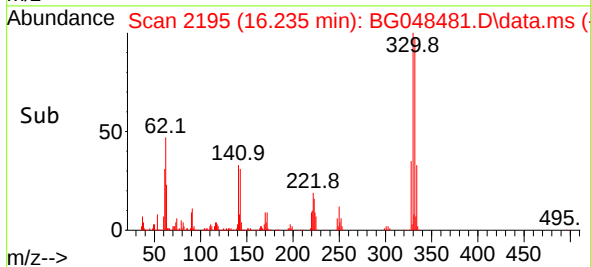
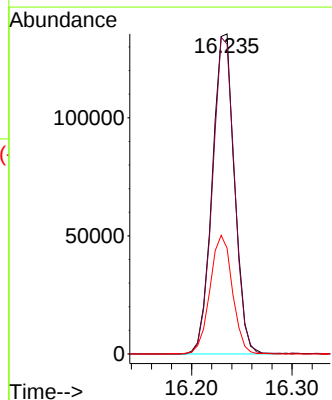
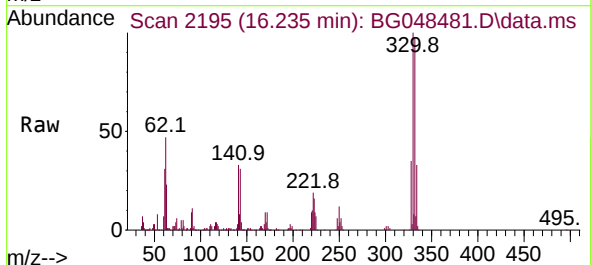
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

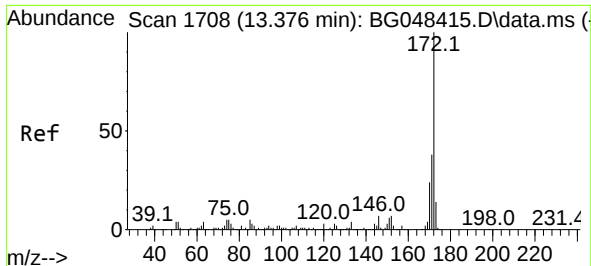
Tgt Ion:164 Resp: 134785
Ion Ratio Lower Upper
164 100
162 107.3 82.3 123.5
160 47.5 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 95.13 ng
RT: 16.235 min Scan# 2195
Delta R.T. 0.001 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion:330 Resp: 208524
Ion Ratio Lower Upper
330 100
332 97.9 76.5 114.7
141 37.4 26.0 39.0

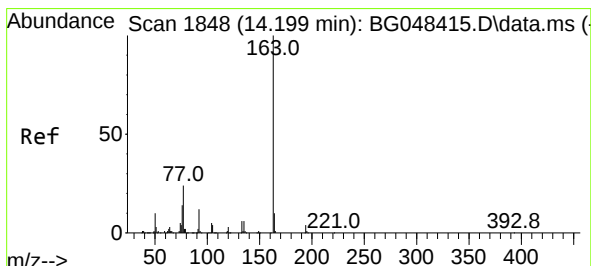
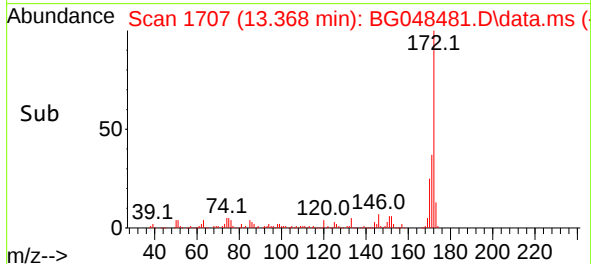
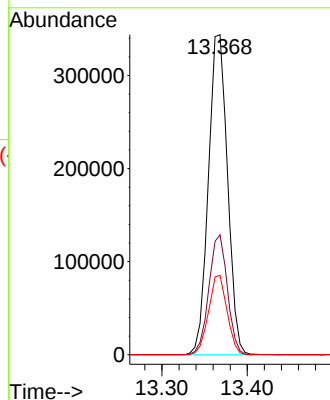
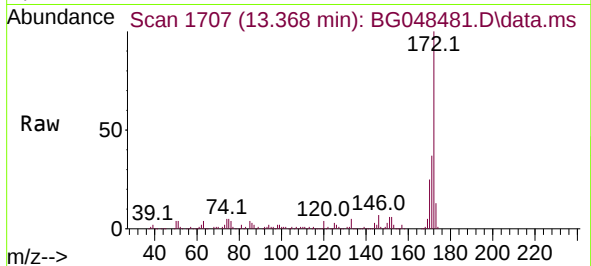




#45
2-Fluorobiphenyl
Concen: 57.22 ng
RT: 13.368 min Scan# 1707
Delta R.T. 0.001 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

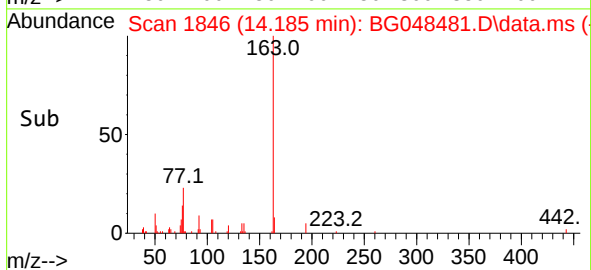
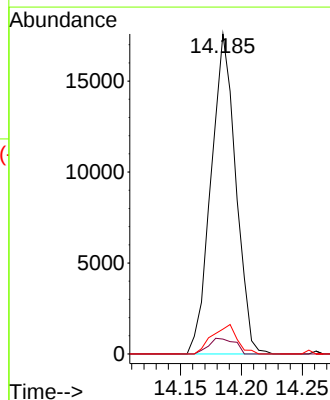
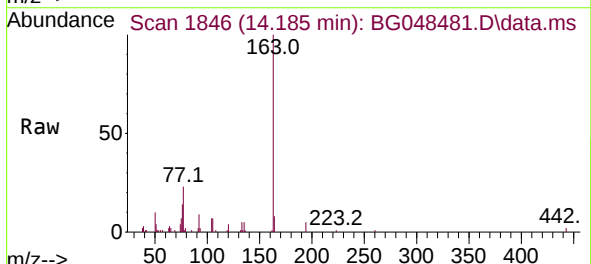
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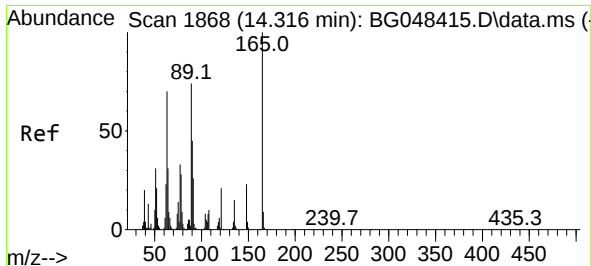
Tgt Ion:	172	Resp:	536142
Ion Ratio	Lower	Upper	
172	100		
171	37.4	31.3	46.9
170	24.8	20.8	31.2



#50
Dimethylphthalate
Concen: 2.27 ng
RT: 14.185 min Scan# 1846
Delta R.T. -0.011 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion:	163	Resp:	24887
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.8	5.8
164	7.8	8.8	13.2#

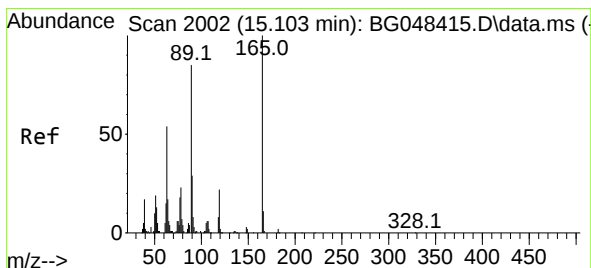
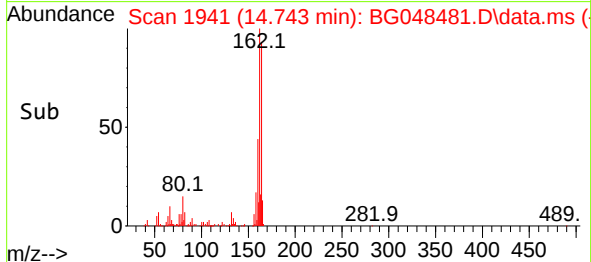
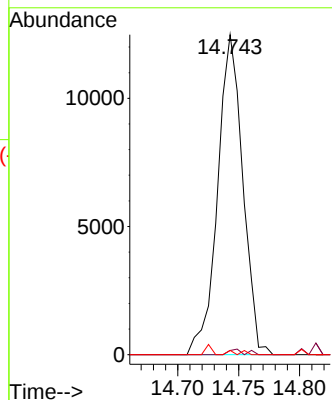
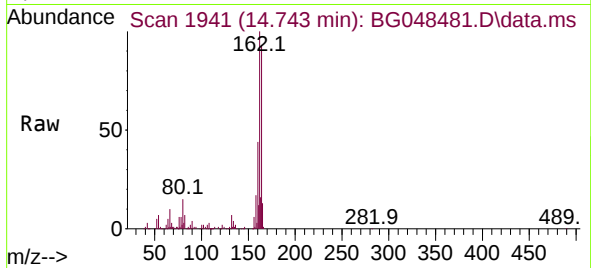




#51
2,6-Dinitrotoluene
Concen: 7.60 ng
RT: 14.743 min Scan# 1941
Delta R.T. 0.430 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

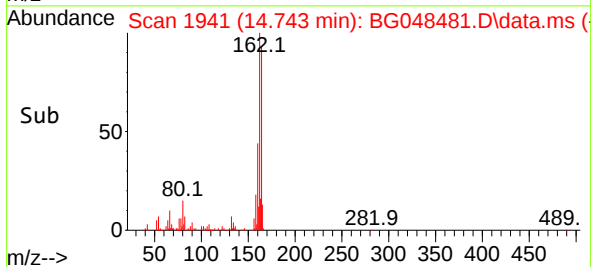
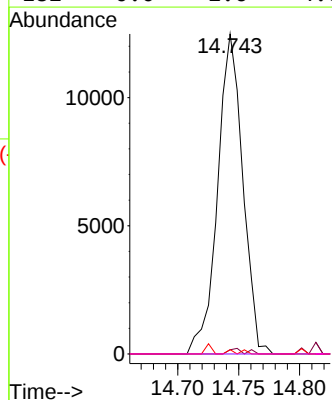
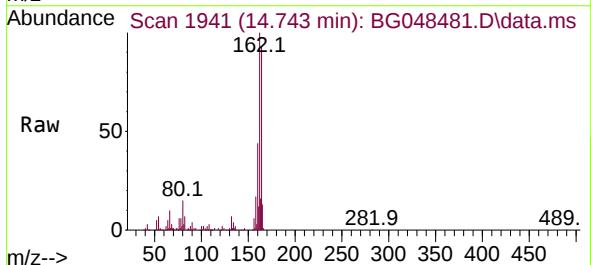
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

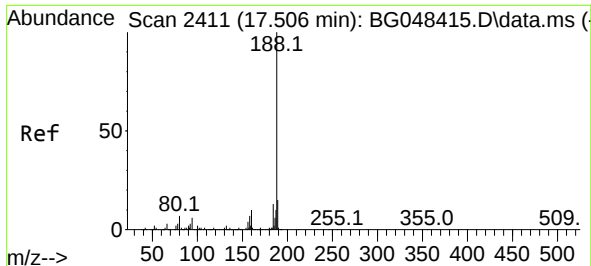
Tgt Ion:165 Resp: 17948
Ion Ratio Lower Upper
165 100
63 1.3 33.7 50.5#
89 1.3 36.6 54.8#



#57
2,4-Dinitrotoluene
Concen: 5.35 ng
RT: 14.743 min Scan# 1941
Delta R.T. -0.357 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion:165 Resp: 17948
Ion Ratio Lower Upper
165 100
63 1.3 26.4 39.6#
89 1.3 47.8 71.8#
182 0.0 2.6 4.0#

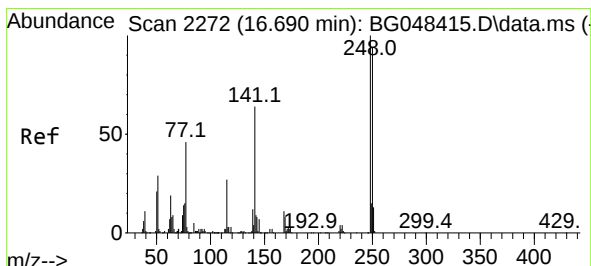
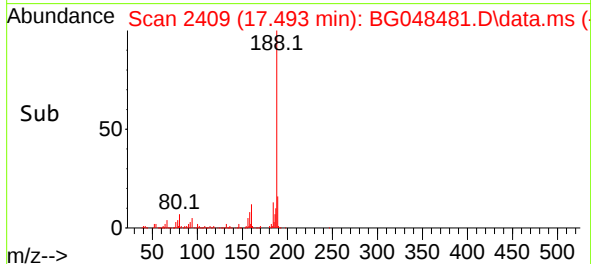
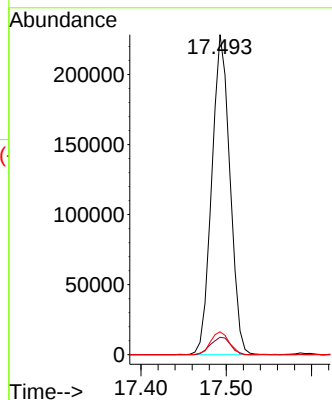
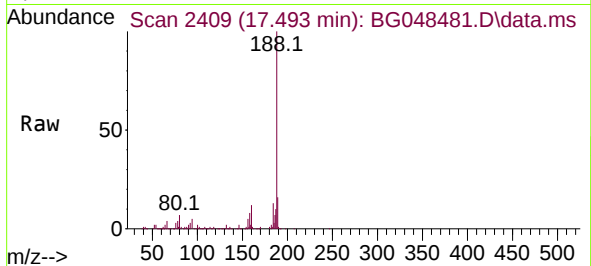




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.493 min Scan# 2409
Delta R.T. -0.005 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

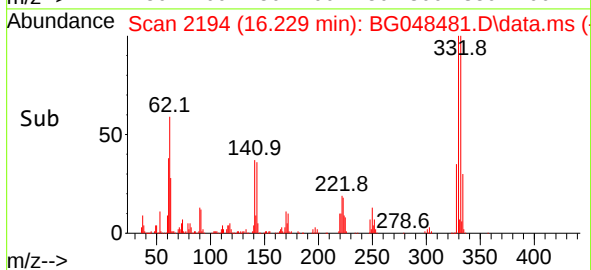
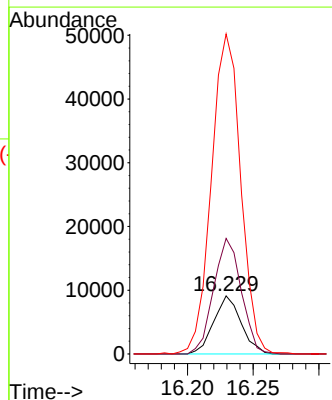
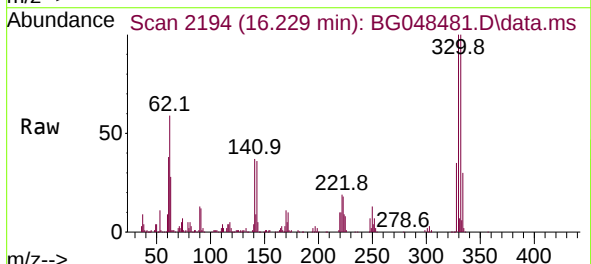
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

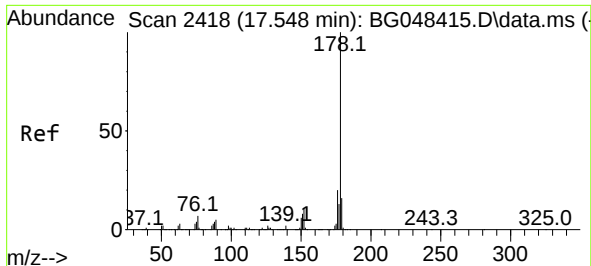
Tgt Ion:188 Resp: 339279
Ion Ratio Lower Upper
188 100
94 5.4 6.3 9.5#
80 7.2 7.0 10.6



#67
4-Bromophenyl-phenylether
Concen: 3.10 ng
RT: 16.229 min Scan# 2194
Delta R.T. -0.451 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion:248 Resp: 13237
Ion Ratio Lower Upper
248 100
250 199.1 78.9 118.3#
141 551.3 46.2 69.4#

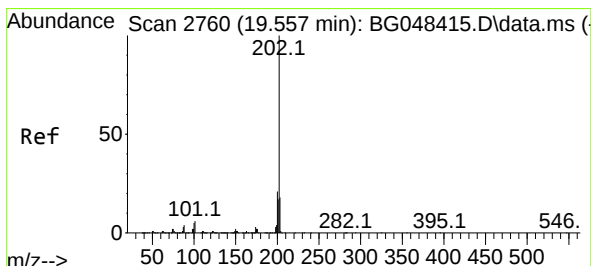
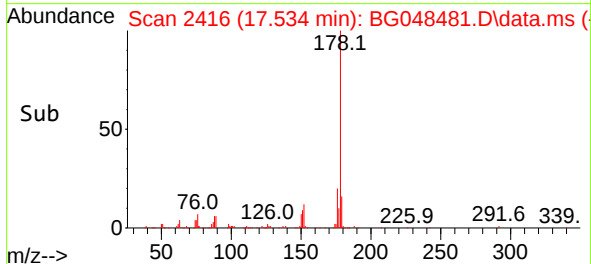
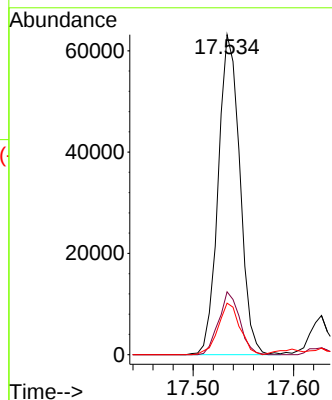
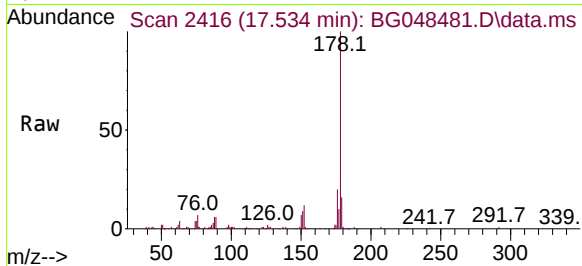




#71
Phenanthrene
Concen: 5.27 ng
RT: 17.534 min Scan# 2416
Delta R.T. -0.005 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

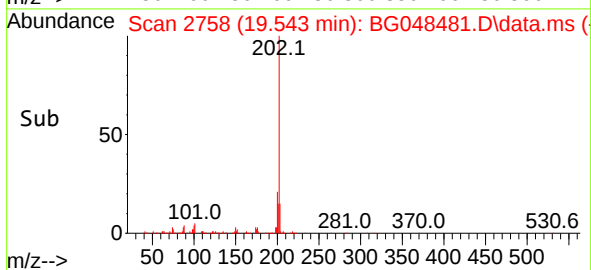
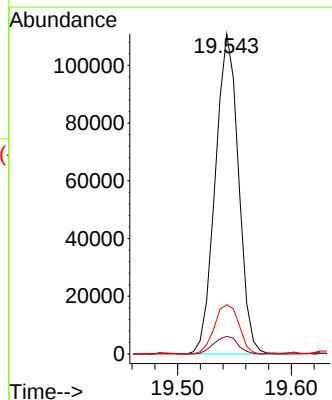
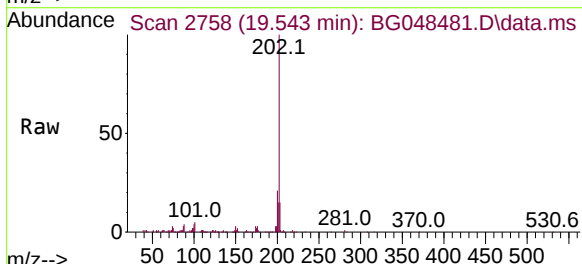
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

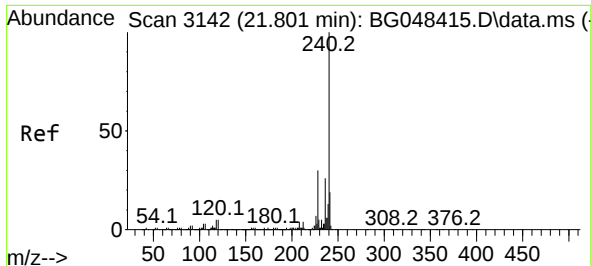
Tgt Ion:178 Resp: 94466
Ion Ratio Lower Upper
178 100
176 19.7 16.7 25.1
179 16.1 14.0 21.0



#75
Fluoranthene
Concen: 6.60 ng
RT: 19.543 min Scan# 2758
Delta R.T. -0.005 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion:202 Resp: 157439
Ion Ratio Lower Upper
202 100
101 5.5 0.0 29.7
203 15.4 0.0 39.2

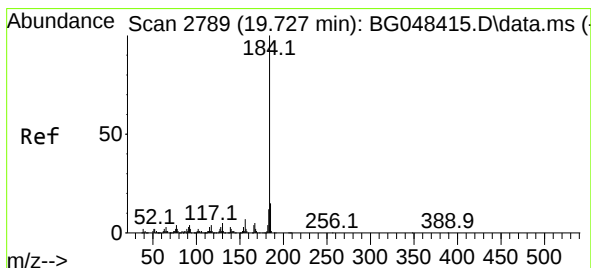
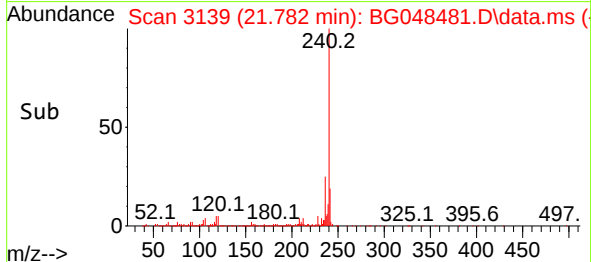
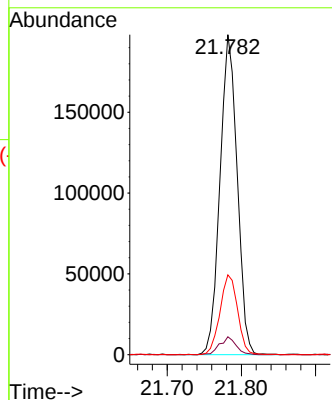
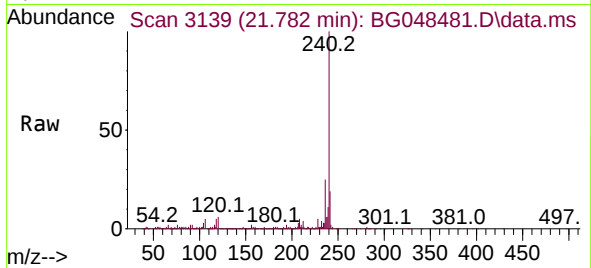




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.782 min Scan# 3139
Delta R.T. -0.011 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

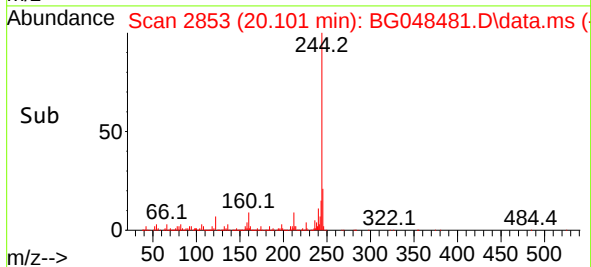
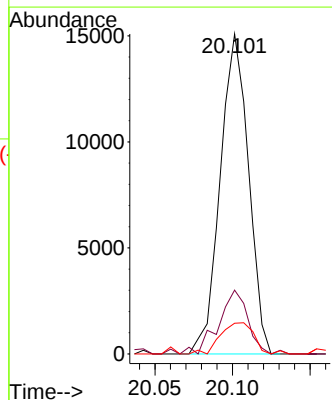
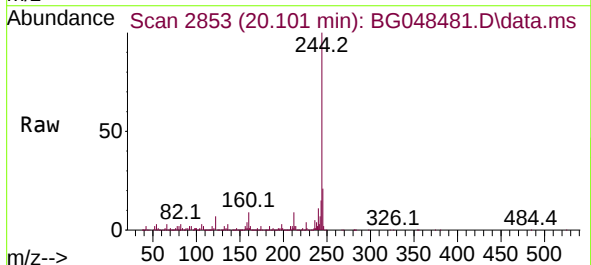
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

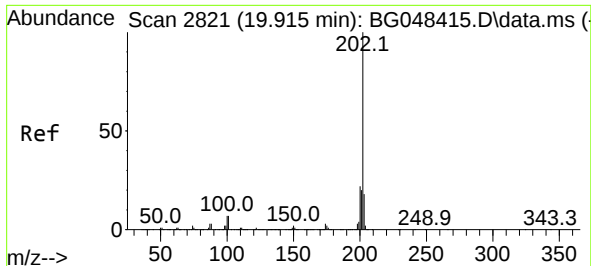
Tgt Ion:240 Resp: 318527
Ion Ratio Lower Upper
240 100
120 5.6 6.2 9.4#
236 24.9 20.5 30.7



#77
Benzidine
Concen: 2.01 ng
RT: 20.101 min Scan# 2853
Delta R.T. 0.377 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion:184 Resp: 19140
Ion Ratio Lower Upper
184 100
185 20.0 12.4 18.6#
183 9.6 10.6 15.8#

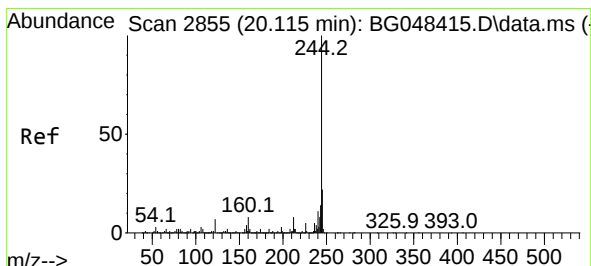
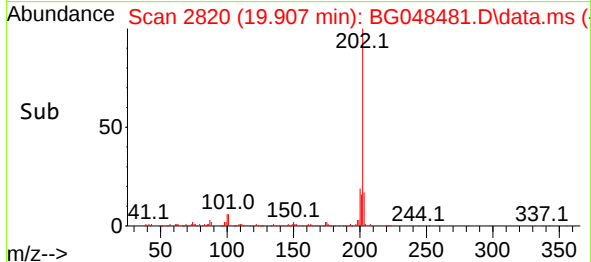
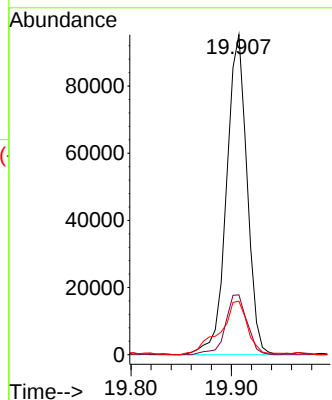
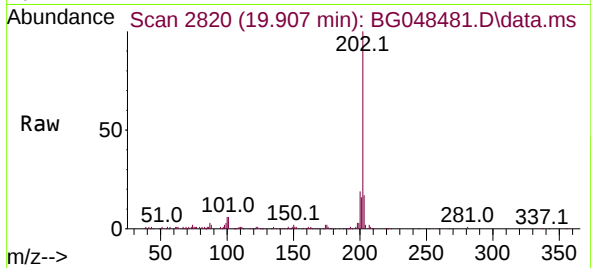




#78
 Pyrene
 Concen: 6.18 ng
 RT: 19.907 min Scan# 2820
 Delta R.T. -0.005 min
 Lab File: BG048481.D
 Acq: 23 Mar 2021 22:33

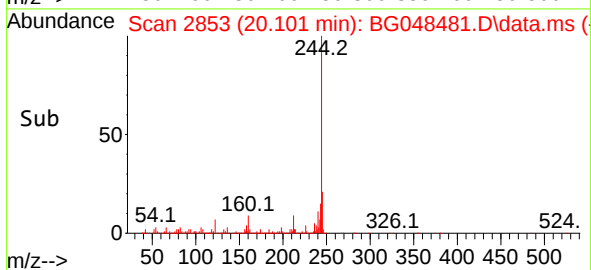
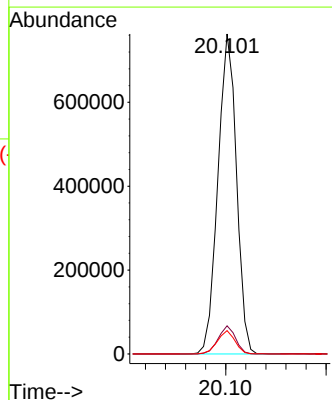
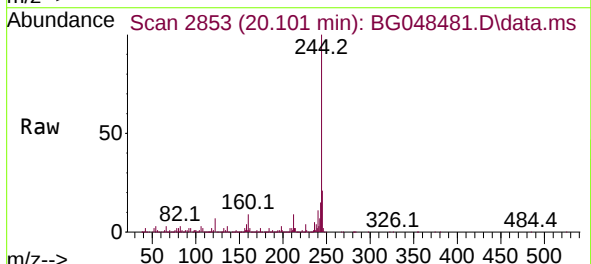
Instrument :
 BNA_G
 ClientSampleId :
 SB-2B1-(3.0-3.5)

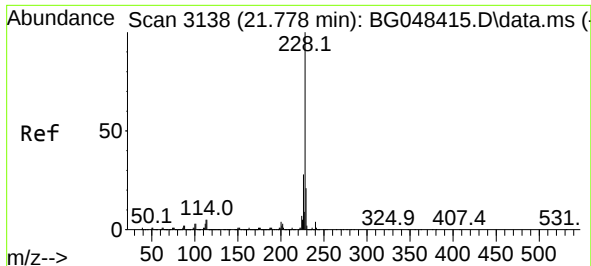
Tgt Ion:202	Resp:	135251
Ion Ratio	Lower	Upper
202	100	
200	18.7	18.6 27.8
203	16.7	15.3 22.9



#79
 Terphenyl-d14
 Concen: 55.32 ng
 RT: 20.101 min Scan# 2853
 Delta R.T. -0.005 min
 Lab File: BG048481.D
 Acq: 23 Mar 2021 22:33

Tgt Ion:244	Resp:	977147
Ion Ratio	Lower	Upper
244	100	
212	8.8	6.7 10.1
122	7.3	7.8 11.6#

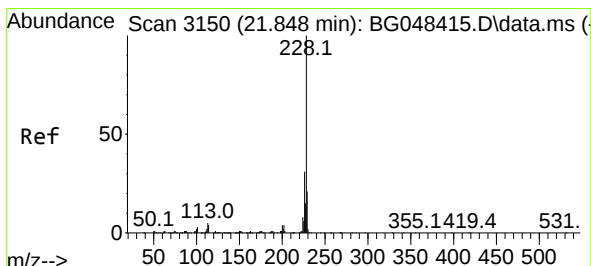
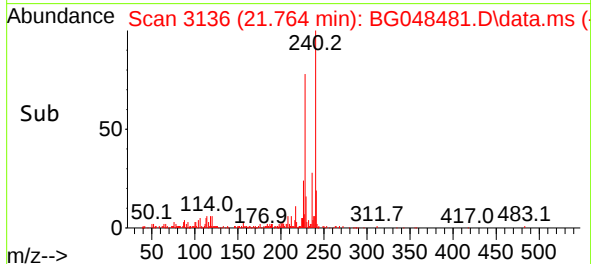
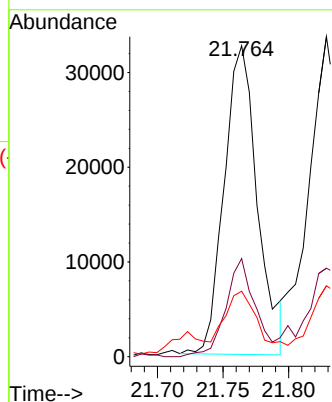
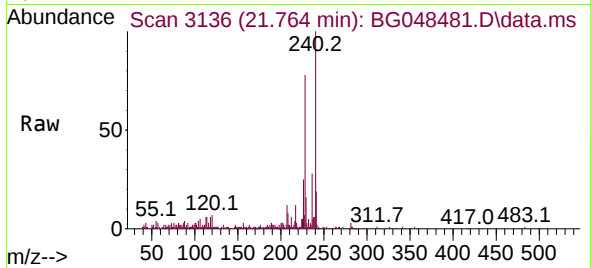




#81
Benzo(a)anthracene
Concen: 2.60 ng
RT: 21.764 min Scan# 3136
Delta R.T. -0.005 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

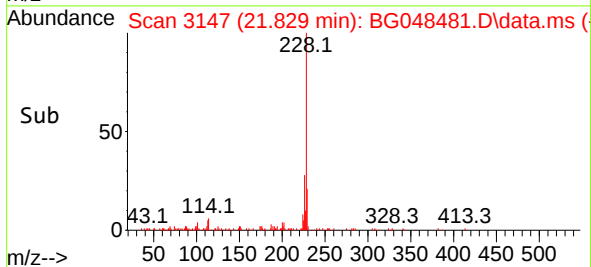
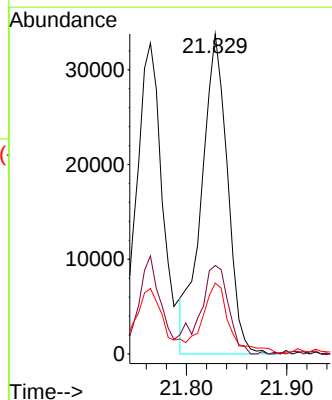
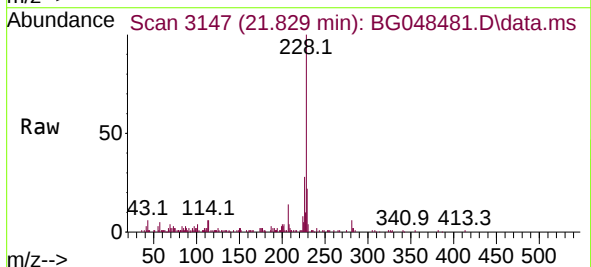
Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

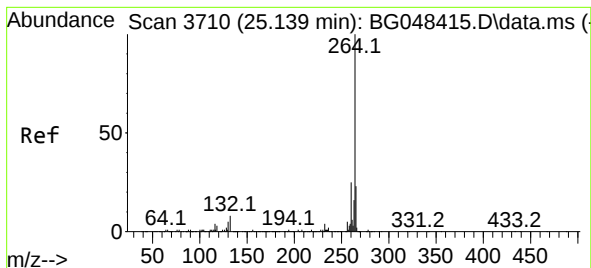
Tgt Ion:228 Resp: 57385
Ion Ratio Lower Upper
228 100
226 31.6 23.3 34.9
229 21.1 17.4 26.0



#83
Chrysene
Concen: 2.87 ng
RT: 21.829 min Scan# 3147
Delta R.T. -0.011 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion:228 Resp: 60838
Ion Ratio Lower Upper
228 100
226 27.7 25.0 37.4
229 22.2 17.3 25.9

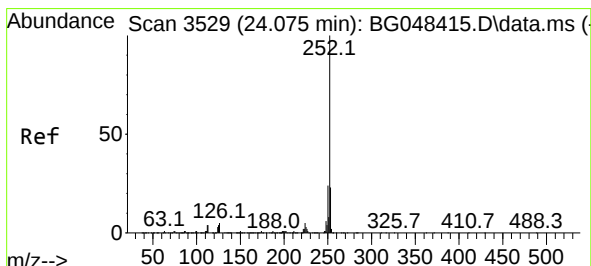
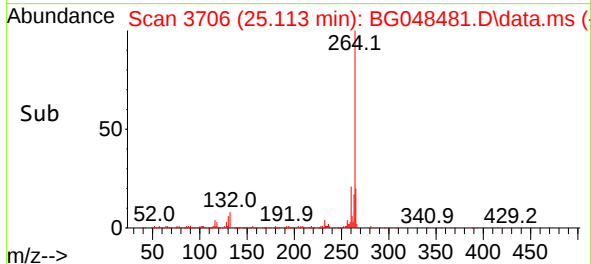
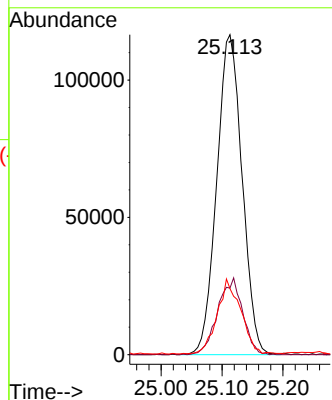
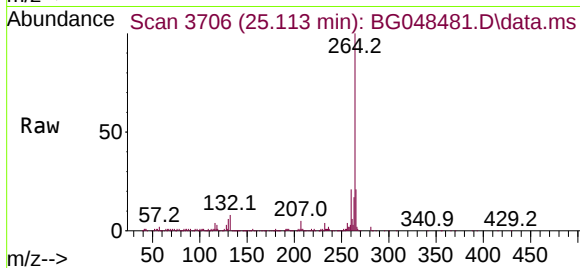




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.113 min Scan# 3706
 Delta R.T. -0.011 min
 Lab File: BG048481.D
 Acq: 23 Mar 2021 22:33

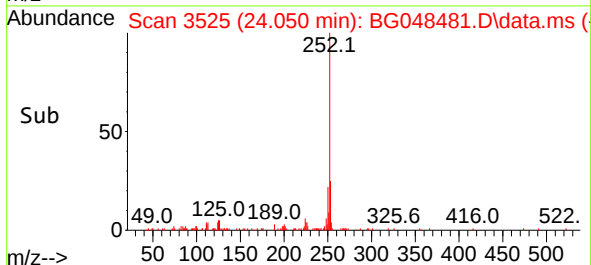
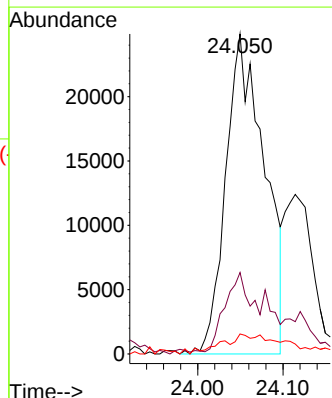
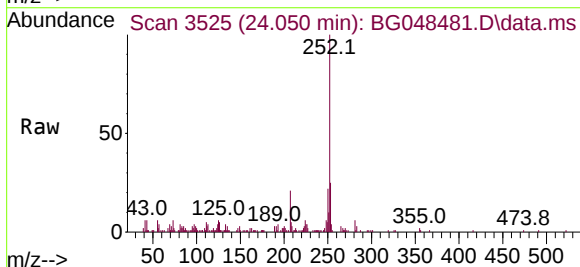
Instrument :
 BNA_G
 ClientSampleId :
 SB-2B1-(3.0-3.5)

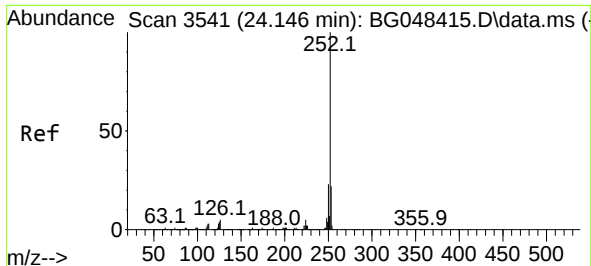
Tgt Ion:264 Resp: 337169
 Ion Ratio Lower Upper
 264 100
 260 20.8 18.8 28.2
 265 20.7 17.8 26.8



#88
 Benzo(b)fluoranthene
 Concen: 3.29 ng
 RT: 24.050 min Scan# 3525
 Delta R.T. -0.011 min
 Lab File: BG048481.D
 Acq: 23 Mar 2021 22:33

Tgt Ion:252 Resp: 78194
 Ion Ratio Lower Upper
 252 100
 253 25.5 18.7 28.1
 125 6.3 6.5 9.7#

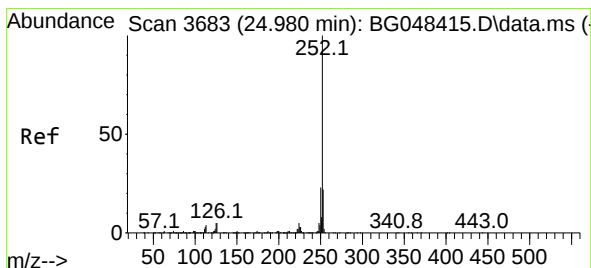
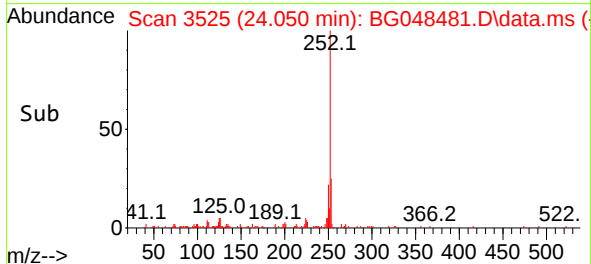
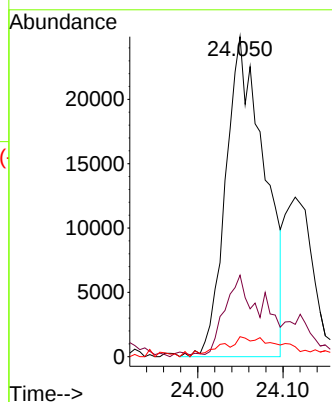
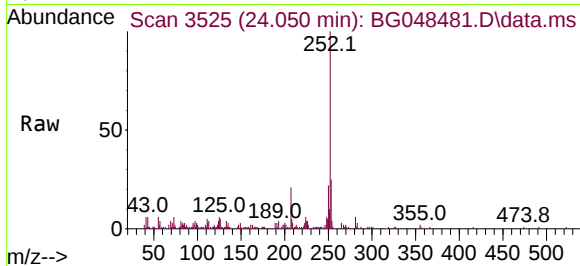




#89
Benzo(k)fluoranthene
Concen: 3.49 ng
RT: 24.050 min Scan# 3525
Delta R.T. -0.081 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Instrument :
BNA_G
ClientSampleId :
SB-2B1-(3.0-3.5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.6	27.8
125	6.3	6.8	10.2



#90
Benzo(a)pyrene
Concen: 2.63 ng
RT: 24.954 min Scan# 3679
Delta R.T. -0.017 min
Lab File: BG048481.D
Acq: 23 Mar 2021 22:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	7.8	7.0	10.4

