

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042321\
 Data File : BG048862.D
 Acq On : 23 Apr 2021 14:10
 Operator : CG/JU
 Sample : M2107-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-31-10.5-11.0

Quant Time: Apr 23 15:11:03 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)

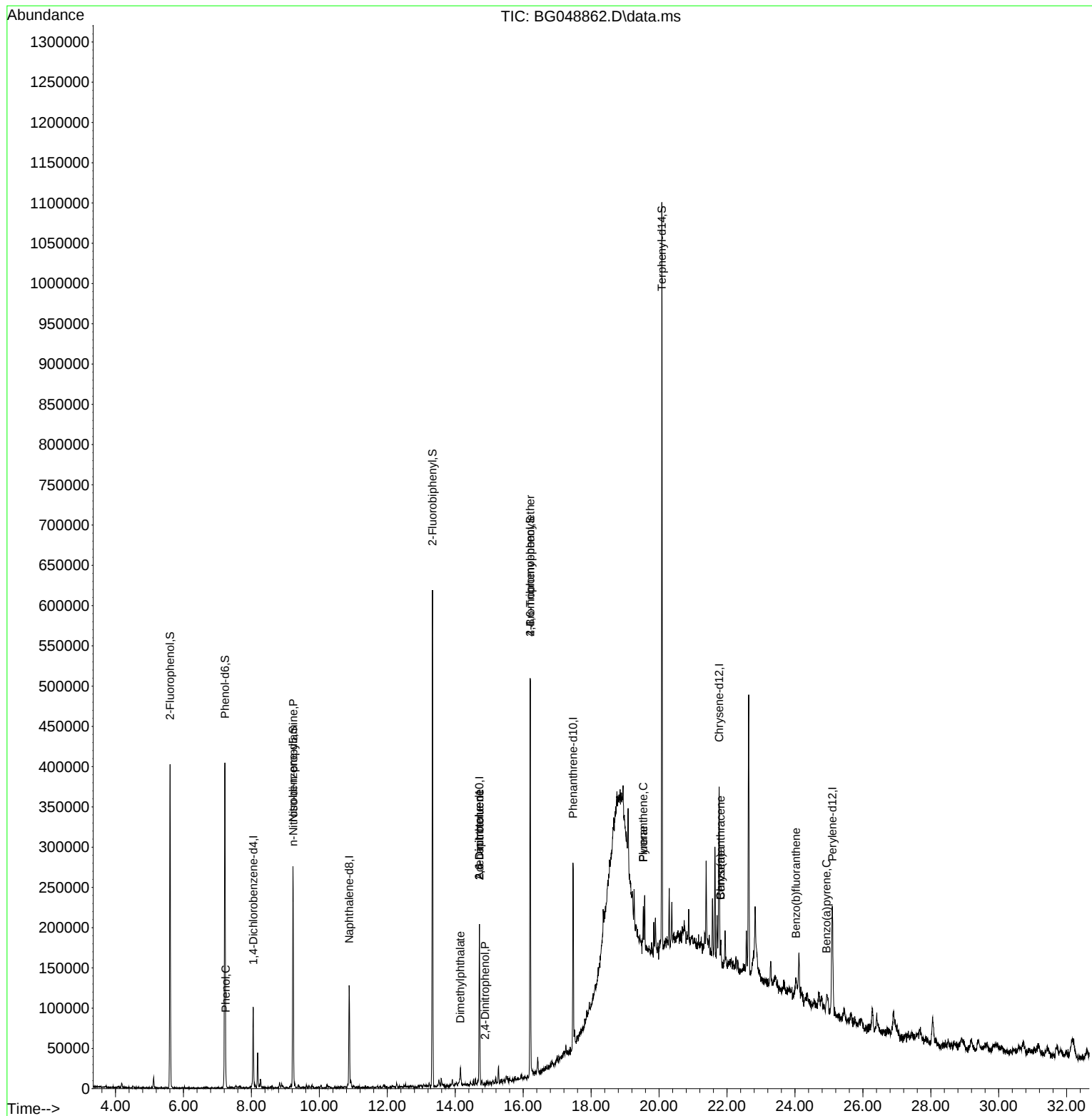
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.056	152	26388	20.00	ng	# 0.00
21) Naphthalene-d8	10.882	136	100097	20.00	ng	-0.01
39) Acenaphthene-d10	14.713	164	66382	20.00	ng	-0.01
64) Phenanthrene-d10	17.468	188	140380	20.00	ng	#-0.01
76) Chrysene-d12	21.769	240	123798	20.00	ng	-0.01
86) Perylene-d12	25.101	264	125301	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.606	112	149254	94.60	ng	0.00
7) Phenol-d6	7.222	99	200928	90.03	ng	0.00
23) Nitrobenzene-d5	9.225	82	154137	68.94	ng	-0.01
42) 2,4,6-Tribromophenol	16.211	330	81846	91.96	ng	0.00
45) 2-Fluorobiphenyl	13.332	172	300730	65.42	ng	-0.01
79) Terphenyl-d14	20.083	244	391177	54.38	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.245	94	5142	2.34	ng	# 74
19) n-Nitroso-di-n-propyla...	9.231	70	25657	17.04	ng	# 62
50) Dimethylphthalate	14.155	163	11719	2.35	ng	# 97
51) 2,6-Dinitrotoluene	14.713	165	9276	8.07	ng	# 16
54) 2,4-Dinitrophenol	14.877	184	56	5.36	ng	# 9
57) 2,4-Dinitrotoluene	14.713	165	9276	5.56	ng	# 22
67) 4-Bromophenyl-phenylether	16.211	248	5825	3.61	ng	# 1
75) Fluoranthene	19.537	202	30129	3.27	ng	96
78) Pyrene	19.537	202	30129	3.52	ng	93
81) Benzo(a)anthracene	21.816	228	18948	2.24	ng	94
83) Chrysene	21.816	228	18948	2.35	ng	94
88) Benzo(b)fluoranthene	24.031	252	26647	3.13	ng	# 85
90) Benzo(a)pyrene	24.930	252	21958	2.80	ng	# 87

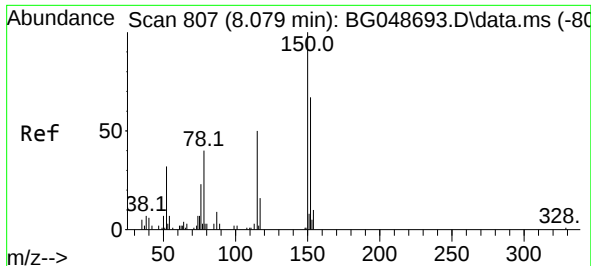
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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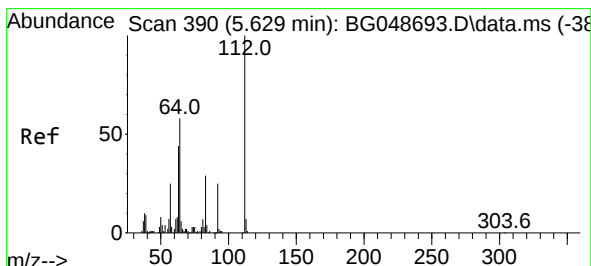
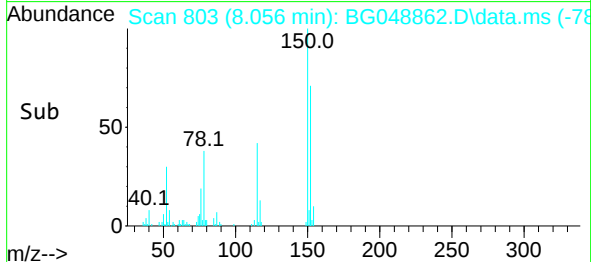
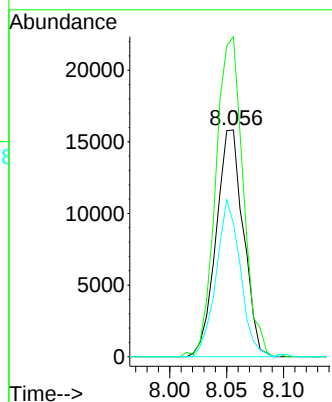
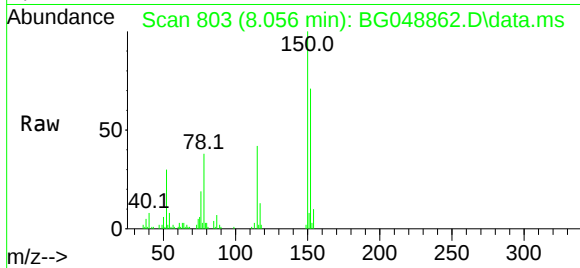




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.056 min Scan# 803
Delta R.T. -0.005 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

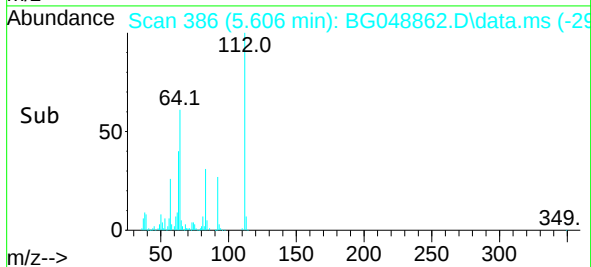
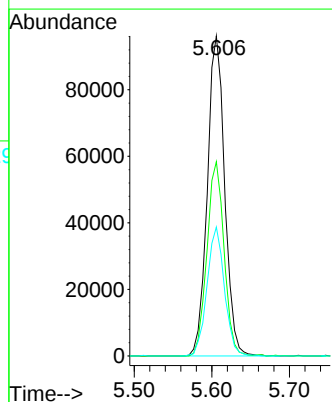
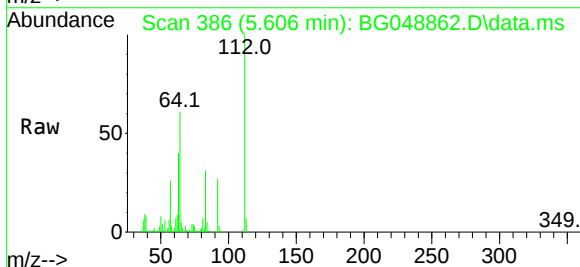
Instrument :
BNA_G
ClientSampleId :
SB-31-10.5-11.0

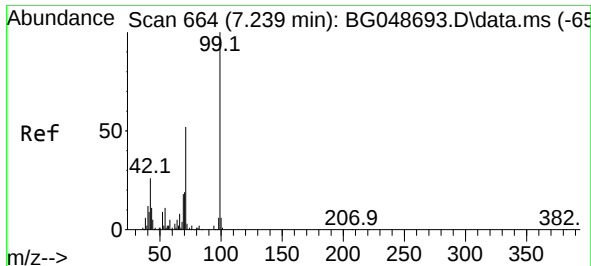
Tgt Ion:152 Resp: 26388
Ion Ratio Lower Upper
152 100
150 141.1 119.4 179.0
115 58.8 60.2 90.4#



#5
2-Fluorophenol
Concen: 94.60 ng
RT: 5.606 min Scan# 386
Delta R.T. 0.001 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

Tgt Ion:112 Resp: 149254
Ion Ratio Lower Upper
112 100
64 60.7 46.7 70.1
63 40.3 35.3 52.9

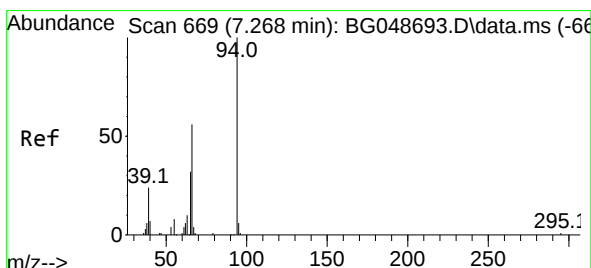
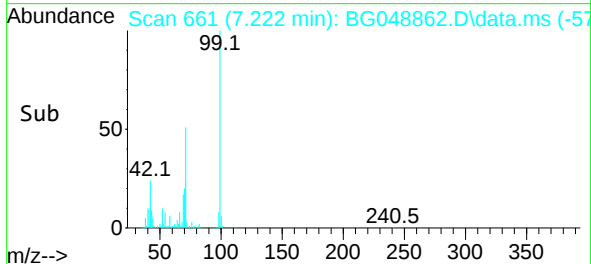
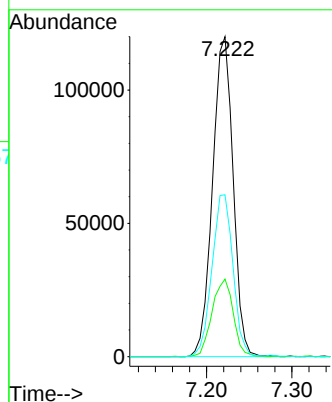
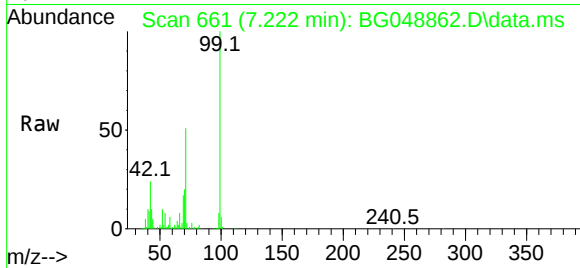




#7
Phenol-d6
Concen: 90.03 ng
RT: 7.222 min Scan# 661
Delta R.T. 0.001 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

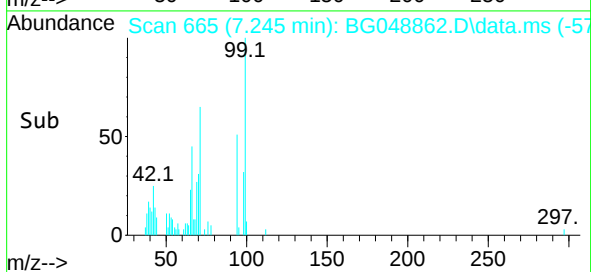
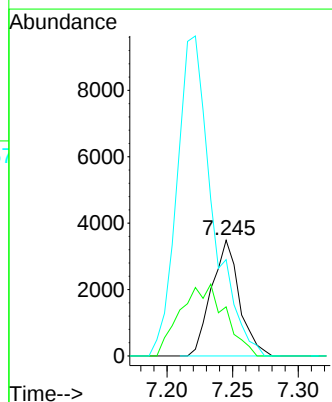
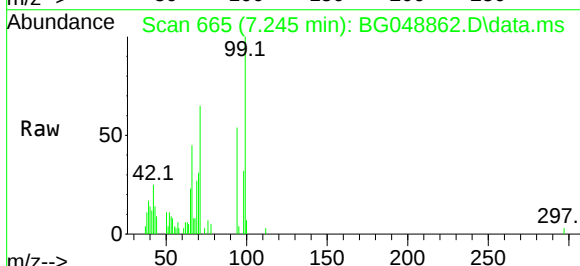
Instrument :
BNA_G
ClientSampleId :
SB-31-10.5-11.0

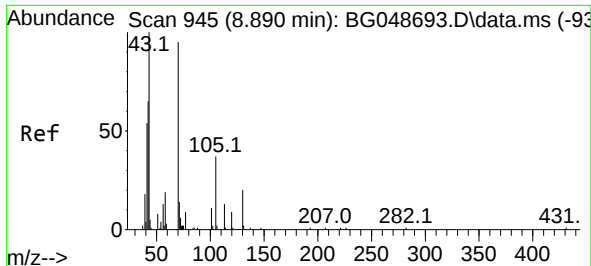
Tgt Ion: 99 Resp: 200928
Ion Ratio Lower Upper
99 100
42 24.2 20.5 30.7
71 50.6 41.5 62.3



#10
Phenol
Concen: 2.34 ng
RT: 7.245 min Scan# 665
Delta R.T. -0.005 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

Tgt Ion: 94 Resp: 5142
Ion Ratio Lower Upper
94 100
65 42.5 12.9 52.9
66 83.3 39.4 79.4#

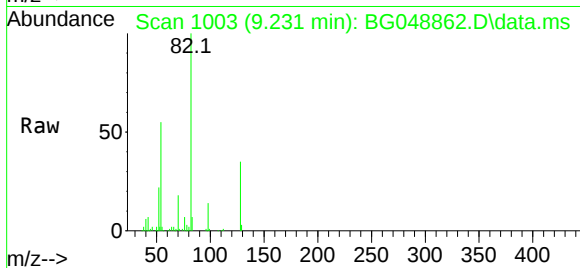




#19

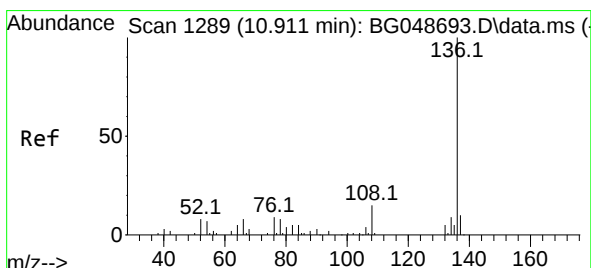
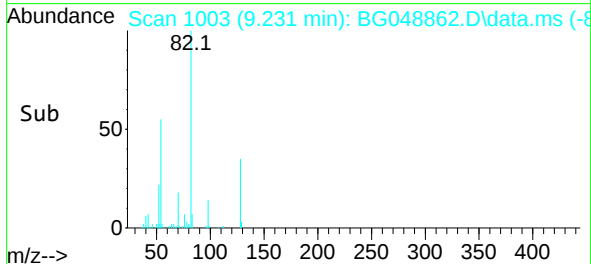
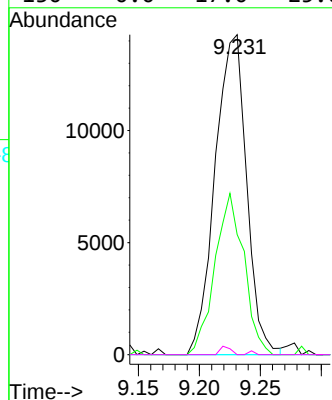
n-Nitroso-di-n-propylamine
 Concen: 17.04 ng
 RT: 9.231 min Scan# 1003
 Delta R.T. 0.359 min
 Lab File: BG048862.D
 Acq: 23 Apr 2021 14:10

Instrument :
 BNA_G
 ClientSampleId :
 SB-31-10.5-11.0



Tgt Ion: 70 Resp: 25657

Ion	Ratio	Lower	Upper
70	100		
42	37.6	54.5	81.7#
101	0.0	9.0	13.6#
130	0.0	17.0	25.6#

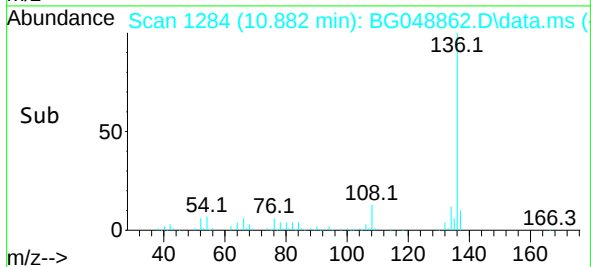
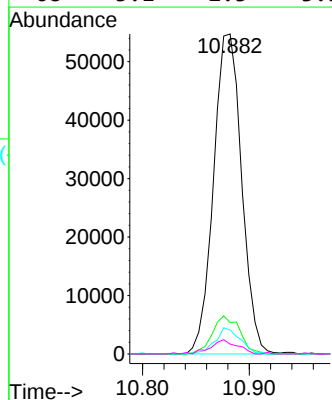
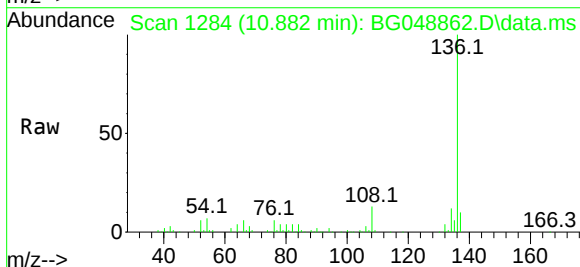


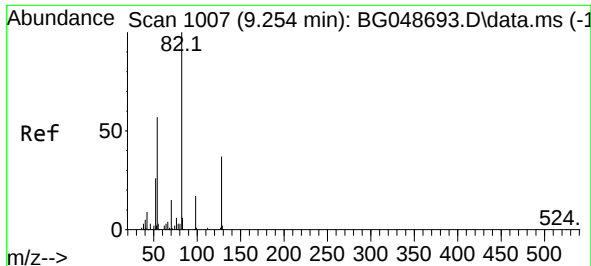
#21

Naphthalene-d8
 Concen: 20.00 ng
 RT: 10.882 min Scan# 1284
 Delta R.T. -0.011 min
 Lab File: BG048862.D
 Acq: 23 Apr 2021 14:10

Tgt Ion: 136 Resp: 100097

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.2	12.2
54	7.5	5.5	8.3
68	3.1	2.3	3.5

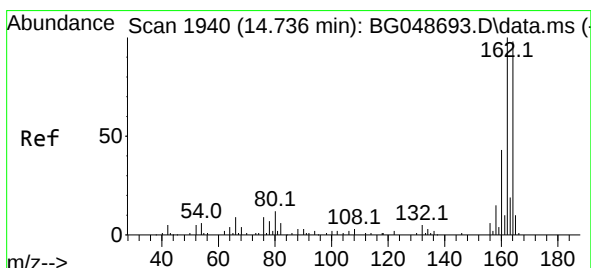
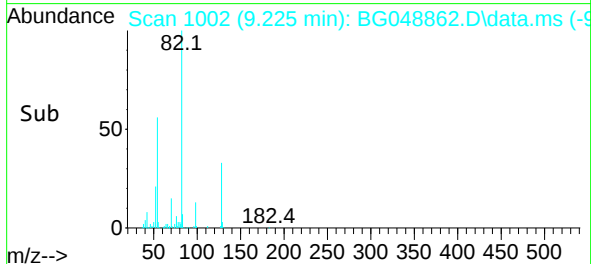
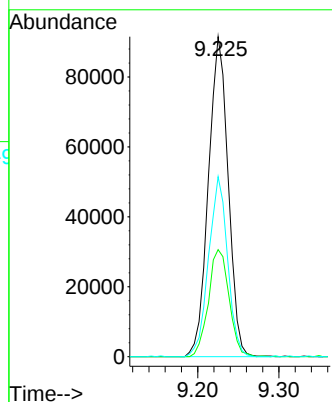
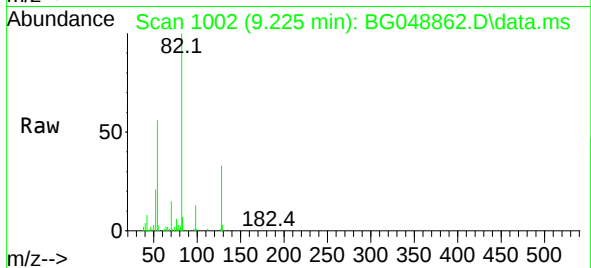




#23
Nitrobenzene-d5
Concen: 68.94 ng
RT: 9.225 min Scan# 1002
Delta R.T. -0.011 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

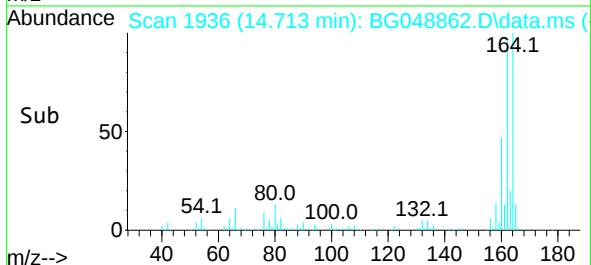
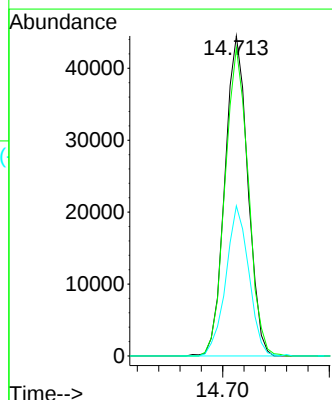
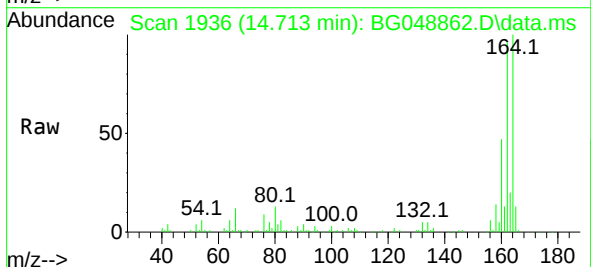
Instrument :
BNA_G
ClientSampleId :
SB-31-10.5-11.0

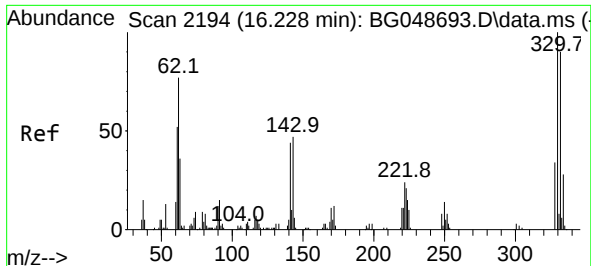
Tgt Ion: 82 Resp: 154137
Ion Ratio Lower Upper
82 100
128 33.5 29.8 44.6
54 56.2 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.713 min Scan# 1936
Delta R.T. -0.011 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

Tgt Ion:164 Resp: 66382
Ion Ratio Lower Upper
164 100
162 96.3 81.4 122.0
160 46.9 34.9 52.3

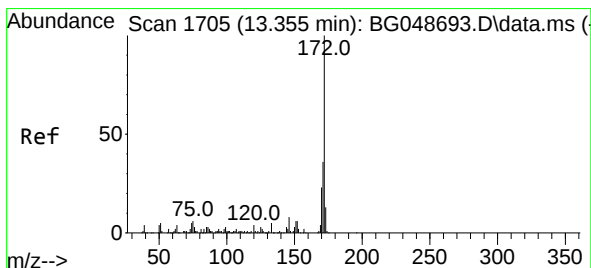
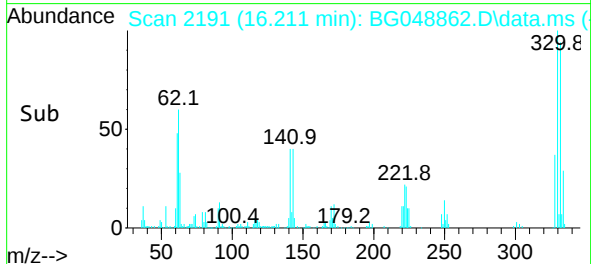
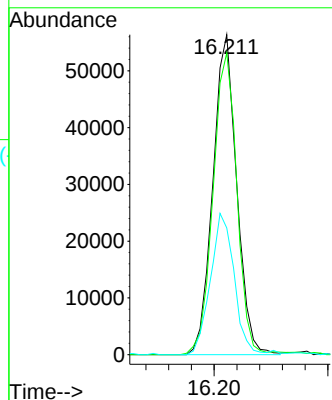
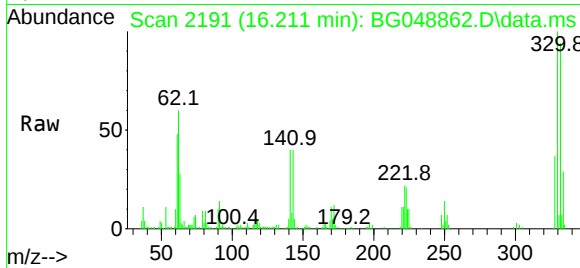




#42
2,4,6-Tribromophenol
Concen: 91.96 ng
RT: 16.211 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

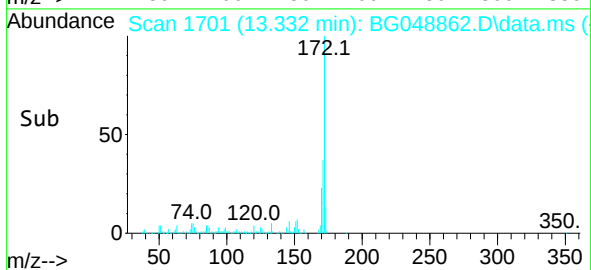
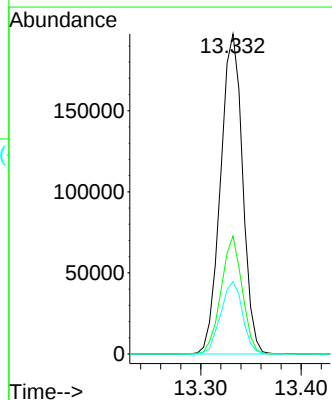
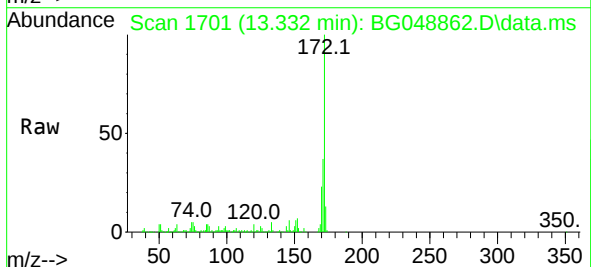
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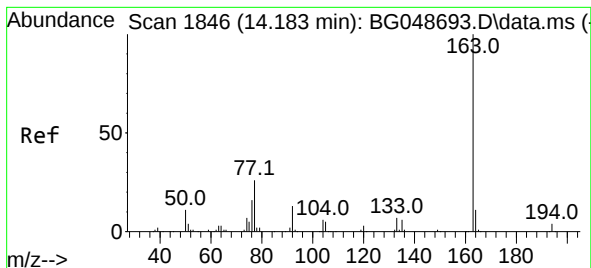
Tgt Ion:330 Resp: 81846
Ion Ratio Lower Upper
330 100
332 95.2 77.3 115.9
141 44.0 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 65.42 ng
RT: 13.332 min Scan# 1701
Delta R.T. -0.011 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

Tgt Ion:172 Resp: 300730
Ion Ratio Lower Upper
172 100
171 36.9 28.6 43.0
170 22.7 18.6 27.8

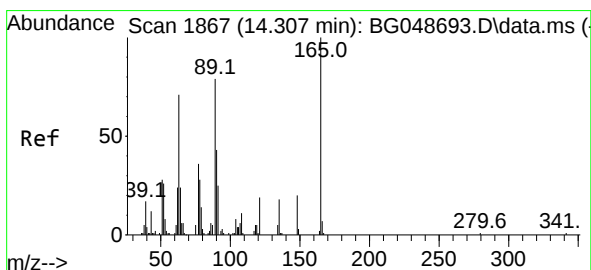
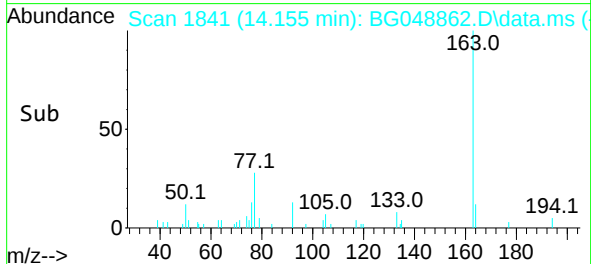
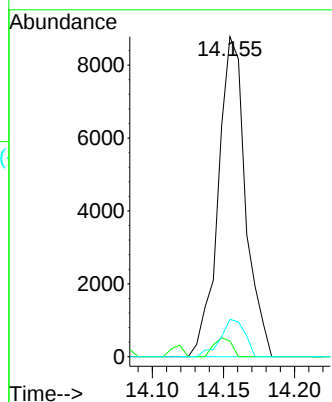
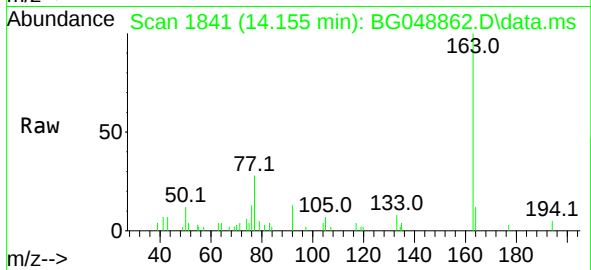




#50
Dimethylphthalate
Concen: 2.35 ng
RT: 14.155 min Scan# 1841
Delta R.T. -0.017 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

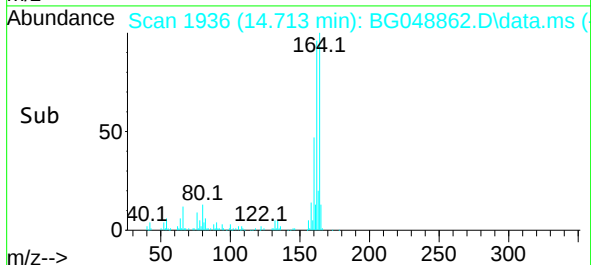
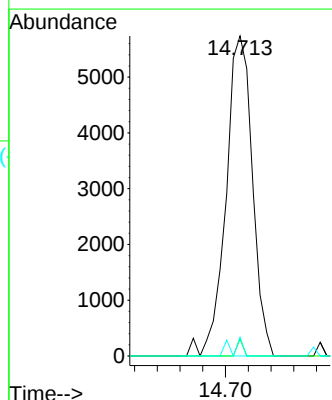
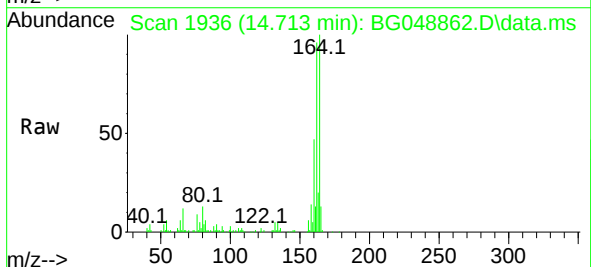
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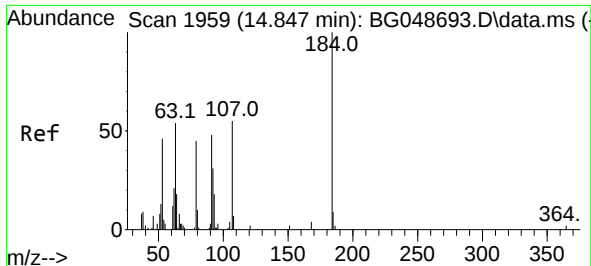
Tgt Ion:163 Resp: 11719
Ion Ratio Lower Upper
163 100
194 4.9 3.0 4.6#
164 11.7 8.6 12.8



#51
2,6-Dinitrotoluene
Concen: 8.07 ng
RT: 14.713 min Scan# 1936
Delta R.T. 0.418 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

Tgt Ion:165 Resp: 9276
Ion Ratio Lower Upper
165 100
63 5.3 63.3 94.9#
89 5.9 63.4 95.0#

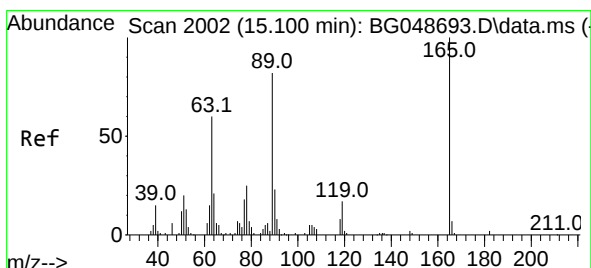
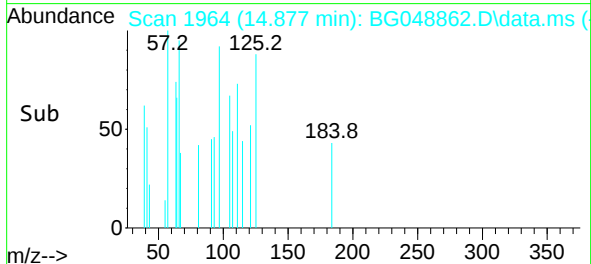
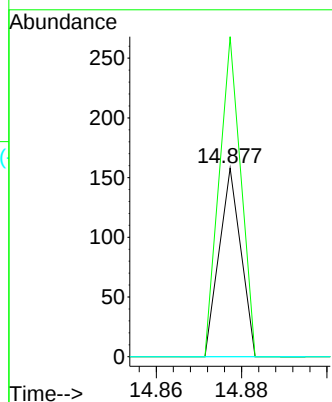
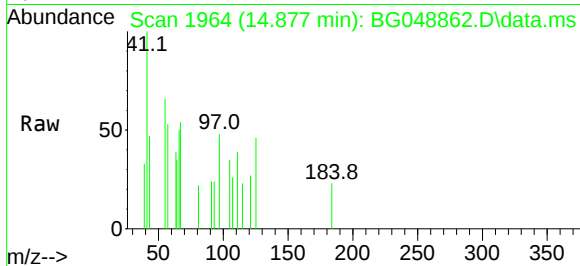




#54
2,4-Dinitrophenol
Concen: 5.36 ng
RT: 14.877 min Scan# 1964
Delta R.T. 0.042 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

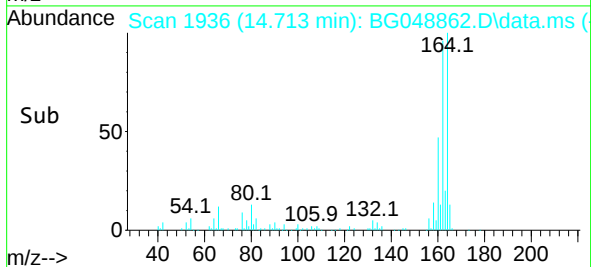
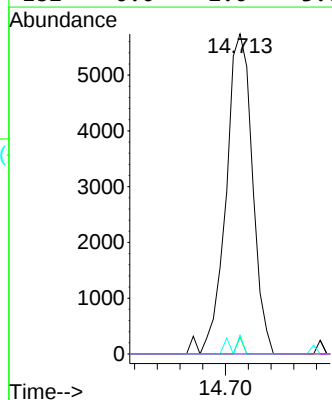
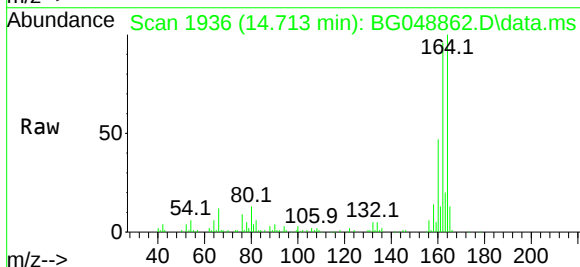
Instrument :
BNA_G
ClientSampleId :
SB-31-10.5-11.0

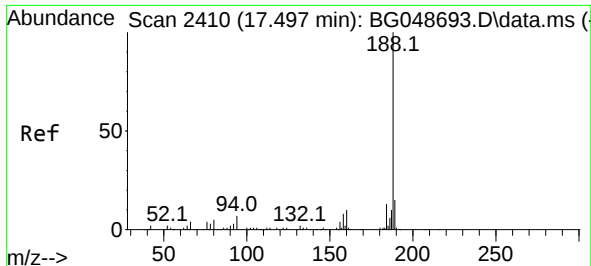
Tgt Ion	Ratio	Lower	Upper
184	100		
63	169.6	68.3	102.5#
154	0.0	62.6	93.8#



#57
2,4-Dinitrotoluene
Concen: 5.56 ng
RT: 14.713 min Scan# 1936
Delta R.T. -0.370 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.3	48.0	72.0#
89	5.9	65.4	98.0#
182	0.0	2.0	3.0#

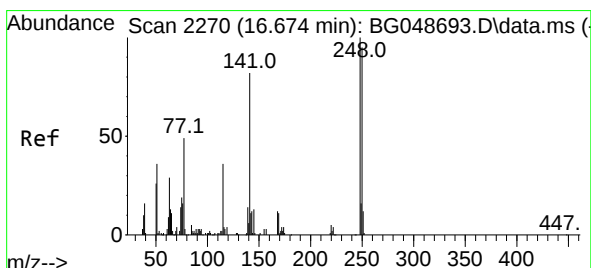
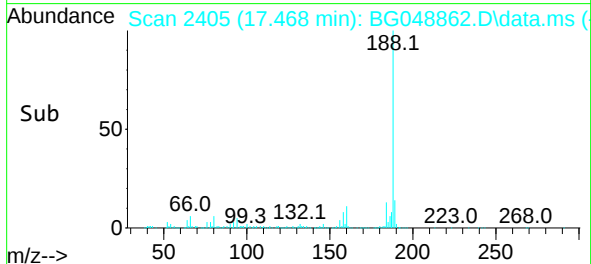
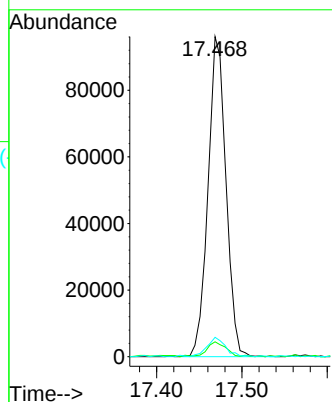
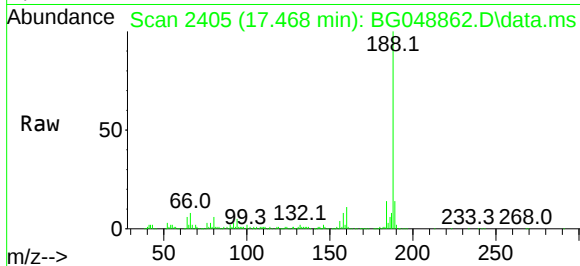




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.468 min Scan# 2405
Delta R.T. -0.011 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

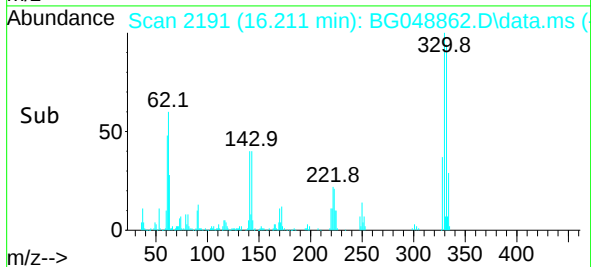
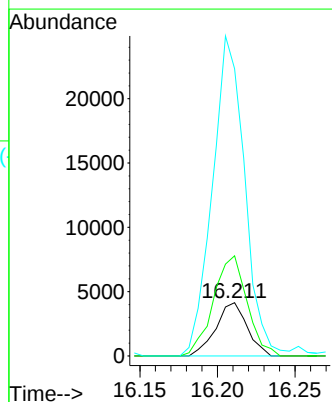
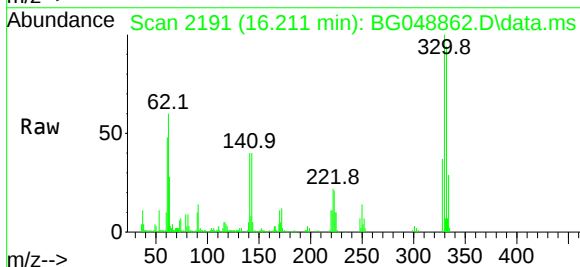
Instrument :
BNA_G
ClientSampleId :
SB-31-10.5-11.0

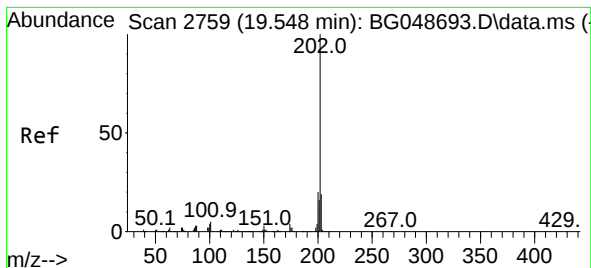
Tgt Ion:188 Resp: 140380
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0#
80 6.0 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.61 ng
RT: 16.211 min Scan# 2191
Delta R.T. -0.452 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

Tgt Ion:248 Resp: 5825
Ion Ratio Lower Upper
248 100
250 188.0 76.1 114.1#
141 538.5 65.4 98.2#

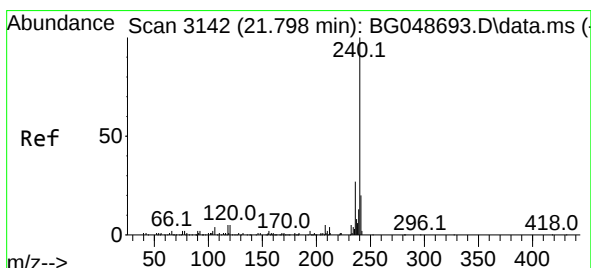
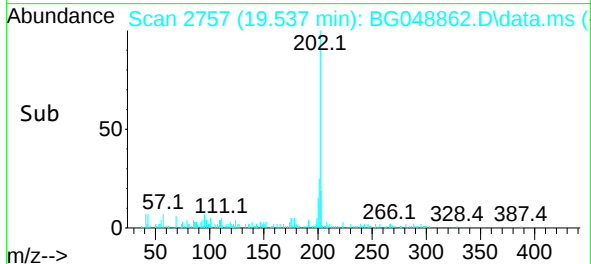
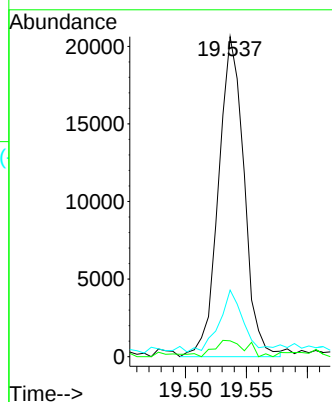
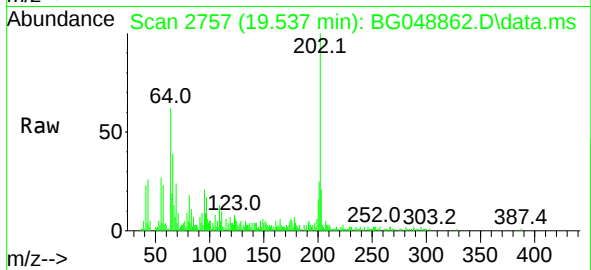




#75
Fluoranthene
Concen: 3.27 ng
RT: 19.537 min Scan# 2757
Delta R.T. 0.001 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

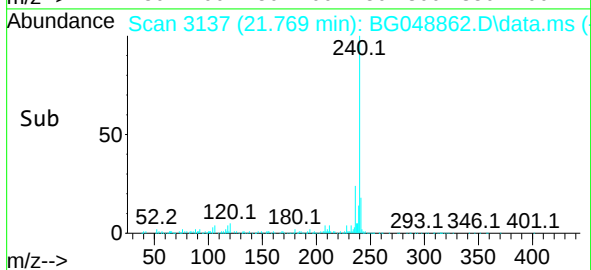
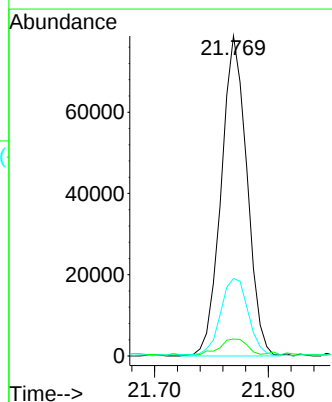
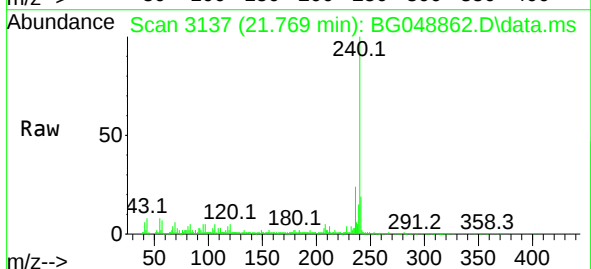
Instrument :
BNA_G
ClientSampleId :
SB-31-10.5-11.0

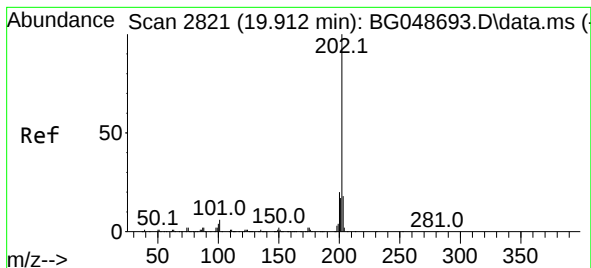
Tgt Ion:202 Resp: 30129
Ion Ratio Lower Upper
202 100
101 4.9 0.0 24.7
203 20.8 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.769 min Scan# 3137
Delta R.T. -0.011 min
Lab File: BG048862.D
Acq: 23 Apr 2021 14:10

Tgt Ion:240 Resp: 123798
Ion Ratio Lower Upper
240 100
120 5.3 4.2 6.2
236 24.2 21.8 32.6





#78

Pyrene

Concen: 3.52 ng

RT: 19.537 min Scan# 2757

Delta R.T. -0.364 min

Lab File: BG048862.D

Acq: 23 Apr 2021 14:10

Tgt Ion:202 Resp: 30129

Ion Ratio Lower Upper

202 100

200 16.2 15.8 23.8

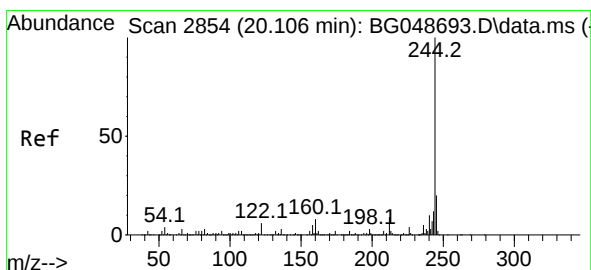
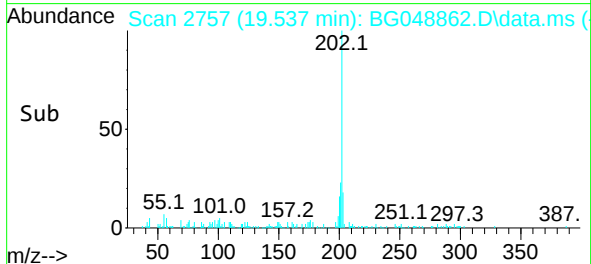
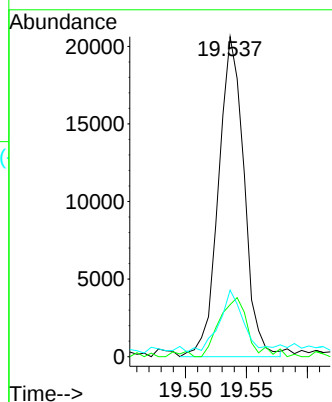
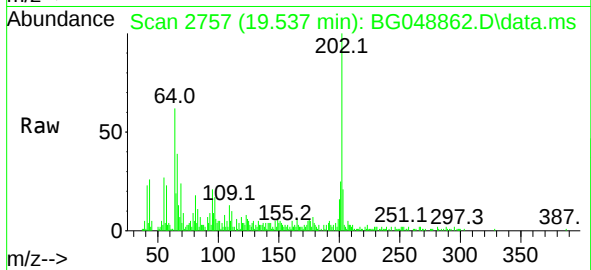
203 20.8 14.6 21.8

Instrument :

BNA_G

ClientSampleId :

SB-31-10.5-11.0



#79

Terphenyl-d14

Concen: 54.38 ng

RT: 20.083 min Scan# 2850

Delta R.T. -0.011 min

Lab File: BG048862.D

Acq: 23 Apr 2021 14:10

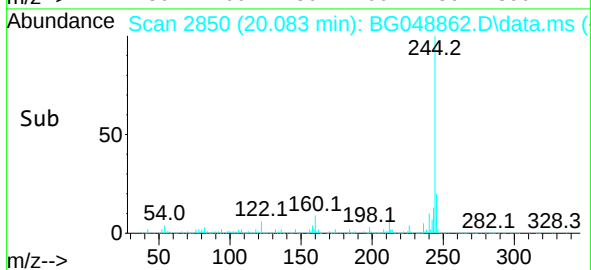
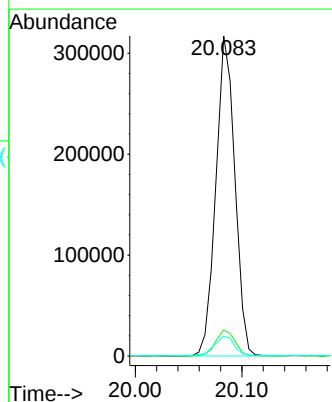
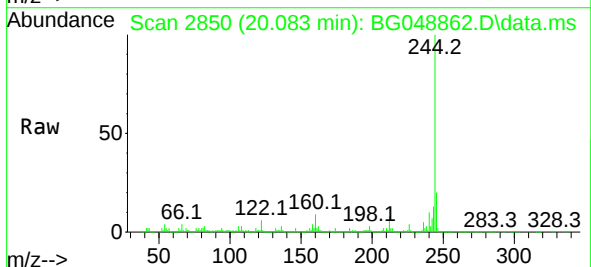
Tgt Ion:244 Resp: 391177

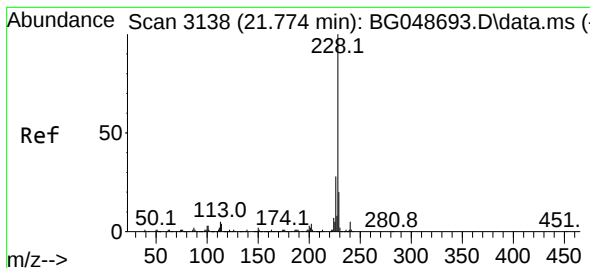
Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

122 6.2 5.0 7.6





#81

Benzo(a)anthracene

Concen: 2.24 ng

RT: 21.816 min Scan# 3145

Delta R.T. 0.059 min

Lab File: BG048862.D

Acq: 23 Apr 2021 14:10

Instrument :

BNA_G

ClientSampleId :

SB-31-10.5-11.0

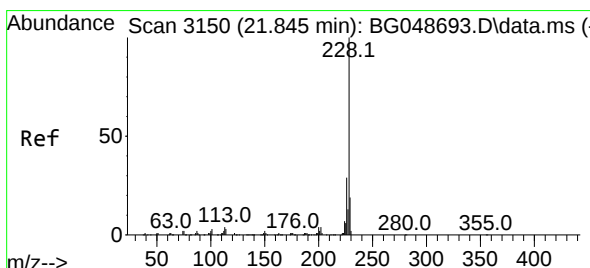
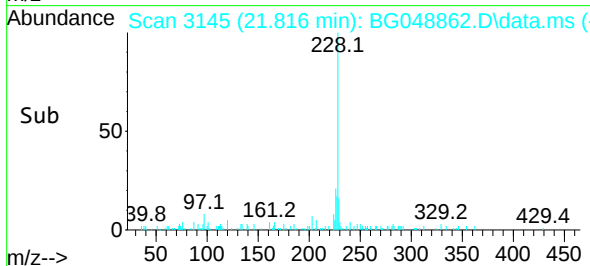
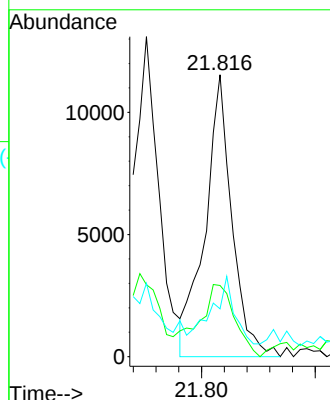
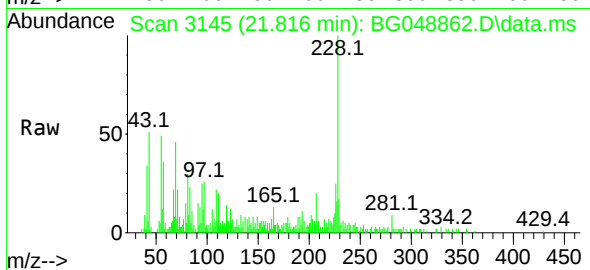
Tgt Ion:228 Resp: 18948

Ion Ratio Lower Upper

228 100

226 25.3 22.7 34.1

229 17.0 16.0 24.0



#83

Chrysene

Concen: 2.35 ng

RT: 21.816 min Scan# 3145

Delta R.T. -0.011 min

Lab File: BG048862.D

Acq: 23 Apr 2021 14:10

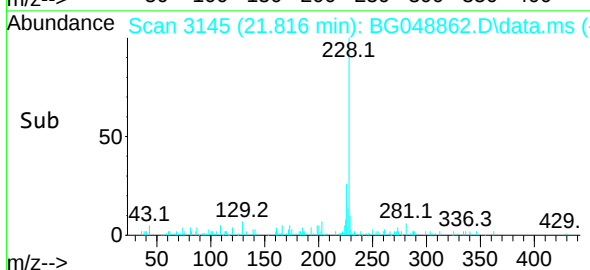
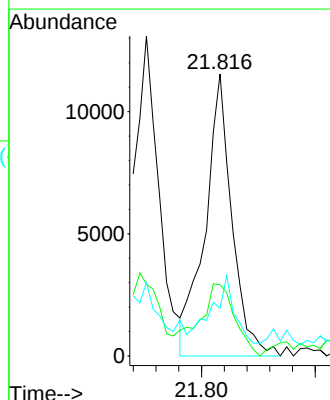
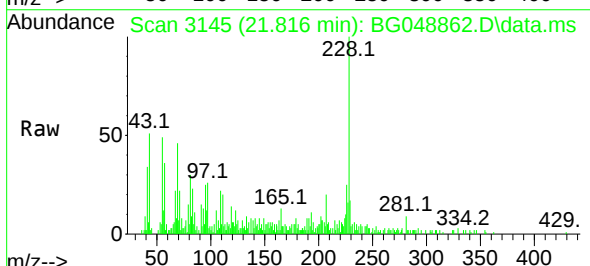
Tgt Ion:228 Resp: 18948

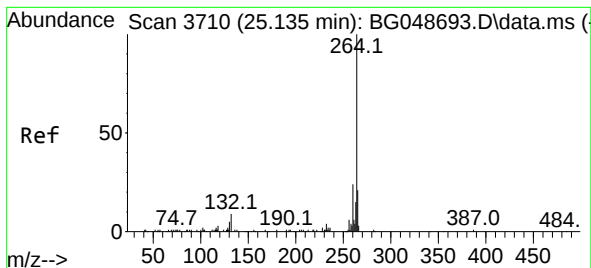
Ion Ratio Lower Upper

228 100

226 25.3 23.1 34.7

229 17.0 15.3 22.9

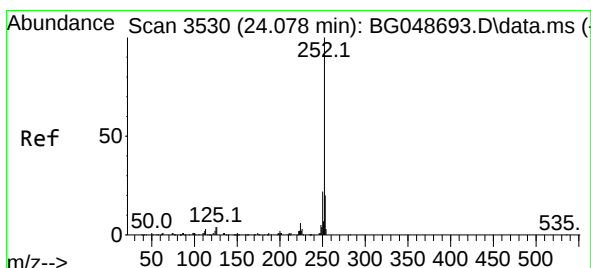
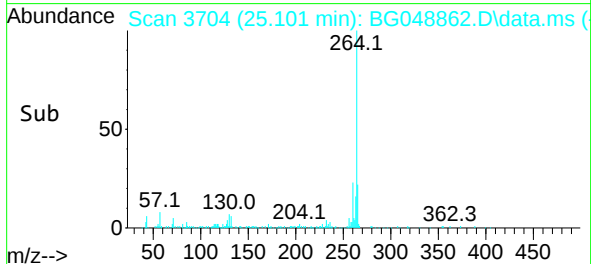
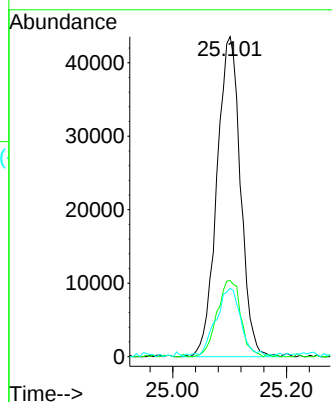
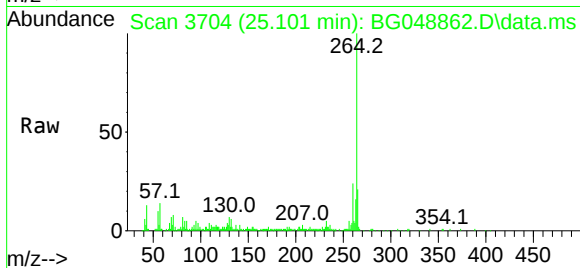




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.101 min Scan# 3704
 Delta R.T. -0.011 min
 Lab File: BG048862.D
 Acq: 23 Apr 2021 14:10

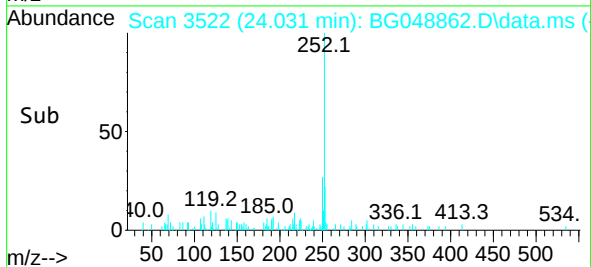
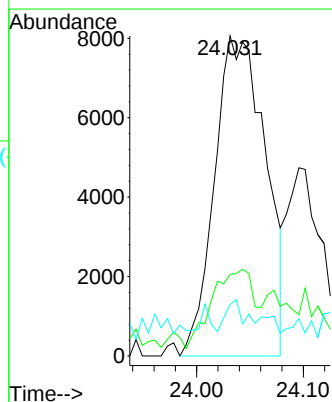
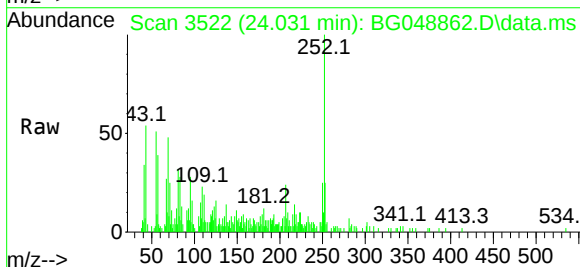
Instrument :
 BNA_G
 ClientSampleId :
 SB-31-10.5-11.0

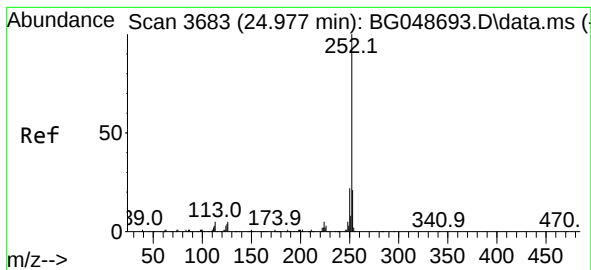
Tgt Ion:264 Resp: 125301
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 21.4 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 3.13 ng
 RT: 24.031 min Scan# 3522
 Delta R.T. -0.017 min
 Lab File: BG048862.D
 Acq: 23 Apr 2021 14:10

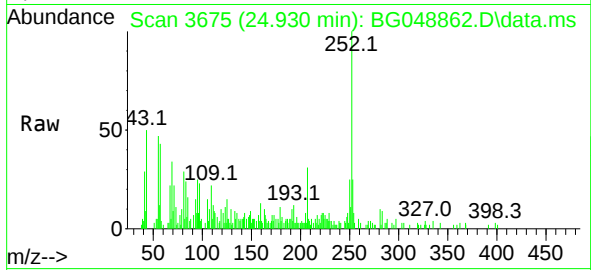
Tgt Ion:252 Resp: 26647
 Ion Ratio Lower Upper
 252 100
 253 25.5 16.2 24.4#
 125 16.1 3.0 4.4#





#90
 Benzo(a)pyrene
 Concen: 2.80 ng
 RT: 24.930 min Scan# 3675
 Delta R.T. -0.023 min
 Lab File: BG048862.D
 Acq: 23 Apr 2021 14:10

Instrument :
 BNA_G
 ClientSampleId :
 SB-31-10.5-11.0



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	16.6	25.0#
125	15.1	3.5	5.3#

