

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081221\
 Data File : BG049815.D
 Acq On : 12 Aug 2021 12:59
 Operator : CG/JU
 Sample : M3333-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 124027

Quant Time: Aug 12 13:36:04 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 03 15:15:33 2021
 Response via : Initial Calibration

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

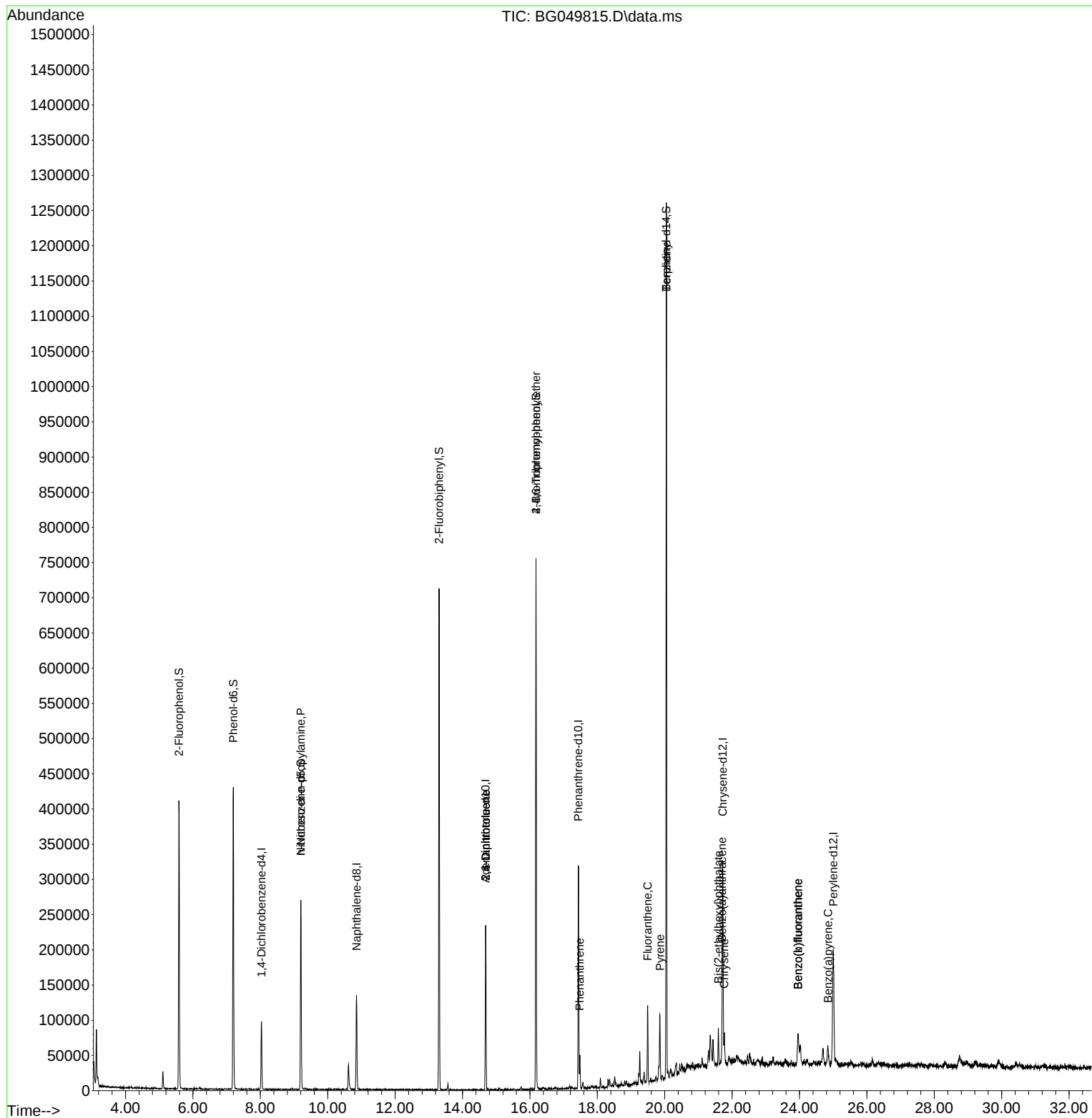
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.033	152	26122	20.000	ng	0.00
21) Naphthalene-d8	10.853	136	110563	20.000	ng	#-0.01
39) Acenaphthene-d10	14.683	164	84114	20.000	ng	-0.01
64) Phenanthrene-d10	17.438	188	194632	20.000	ng	# 0.00
76) Chrysene-d12	21.721	240	164499	20.000	ng	0.00
86) Perylene-d12	25.004	264	173237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.584	112	166617	114.340	ng	0.00
7) Phenol-d6	7.199	99	230116	104.322	ng	0.00
23) Nitrobenzene-d5	9.202	82	162462	65.023	ng	-0.01
42) 2,4,6-Tribromophenol	16.181	330	143977	116.452	ng	0.00
45) 2-Fluorobiphenyl	13.303	172	355474	61.493	ng	-0.01
79) Terphenyl-d14	20.046	244	583387	64.411	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.202	70	24539	16.624	ng	# 76
51) 2,6-Dinitrotoluene	14.689	165	11044	7.904	ng	# 14
57) 2,4-Dinitrotoluene	14.689	165	11044	5.627	ng	# 19
67) 4-Bromophenyl-phenylether	16.181	248	8341	3.639	ng	# 1
71) Phenanthrene	17.479	178	28629	2.796	ng	99
75) Fluoranthene	19.494	202	70994	5.634	ng	95
77) Benzidine	20.052	184	12142	2.881	ng	# 91
78) Pyrene	19.858	202	62368	5.561	ng	96
81) Benzo(a)anthracene	21.703	228	30775	2.873	ng	94
83) Chrysene	21.768	228	35713	3.487	ng	97
84) Bis(2-ethylhexyl)phtha...	21.591	149	19602	3.242	ng	93
88) Benzo(b)fluoranthene	23.959	252	54993	4.840	ng	# 93
89) Benzo(k)fluoranthene	23.959	252	54993	5.189	ng	# 98
90) Benzo(a)pyrene	24.846	252	29840	2.902	ng	# 93

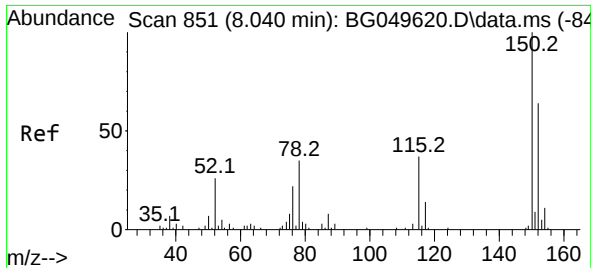
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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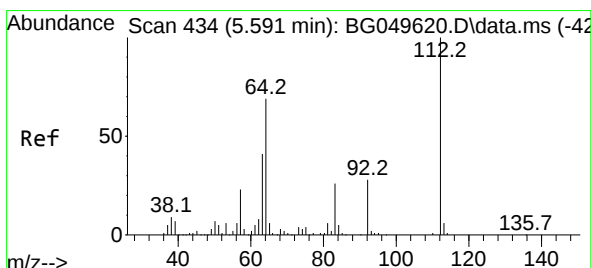
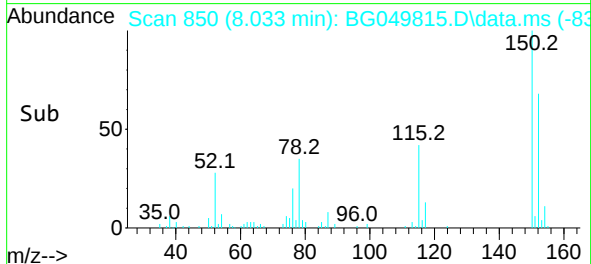
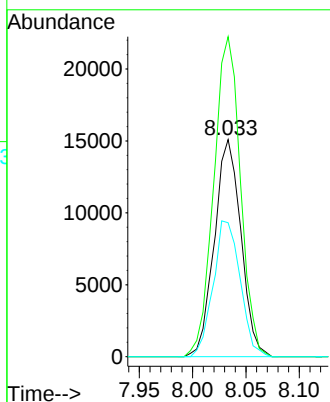
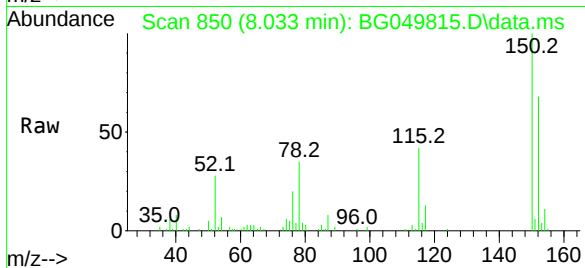




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.033 min Scan# 850
Delta R.T. -0.007 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

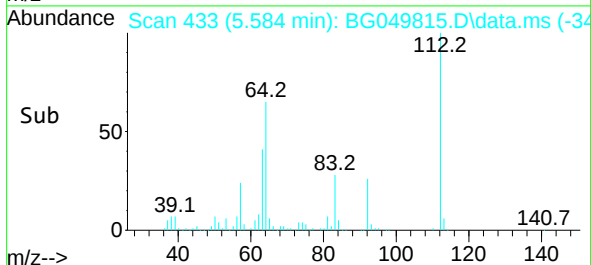
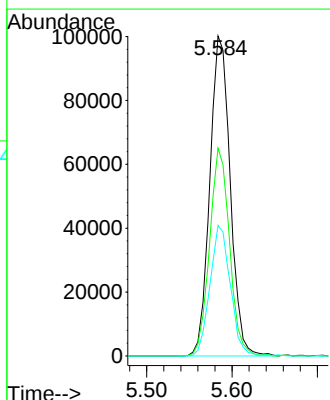
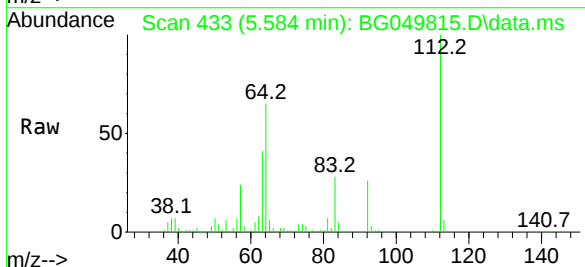
Instrument :
BNA_G
ClientSampleId :
124027

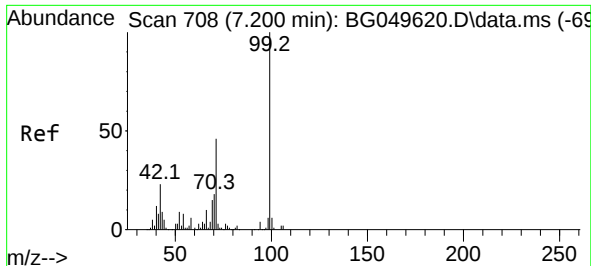
Tgt Ion:152 Resp: 26122
Ion Ratio Lower Upper
152 100
150 147.4 119.4 179.0
115 61.7 60.2 90.4



#5
2-Fluorophenol
Concen: 114.340 ng
RT: 5.584 min Scan# 433
Delta R.T. -0.007 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Tgt Ion:112 Resp: 166617
Ion Ratio Lower Upper
112 100
64 65.0 46.7 70.1
63 40.8 35.3 52.9

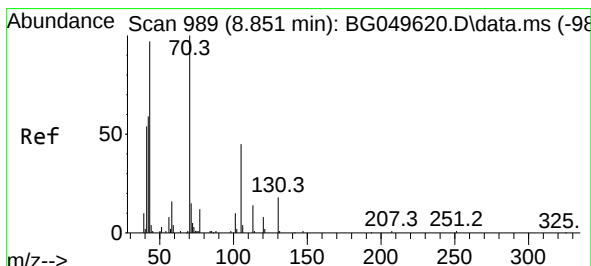
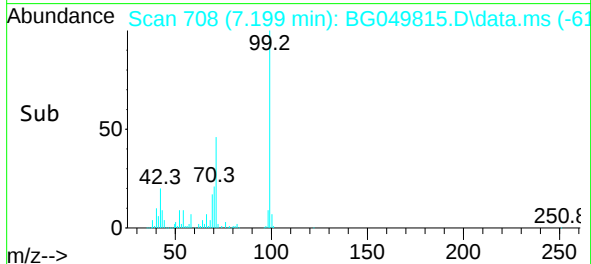
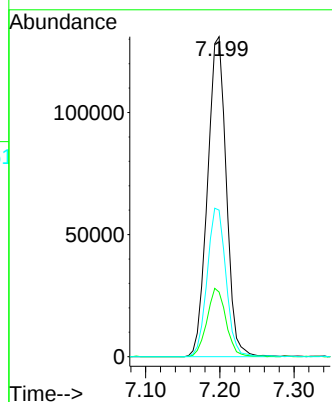
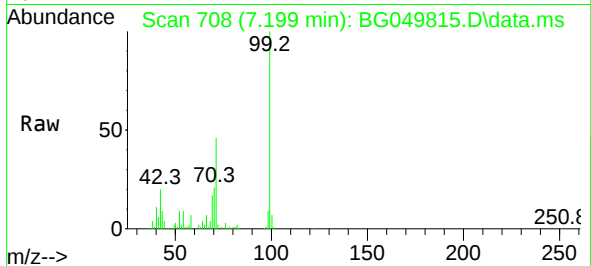




#7
Phenol-d6
Concen: 104.322 ng
RT: 7.199 min Scan# 708
Delta R.T. -0.001 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

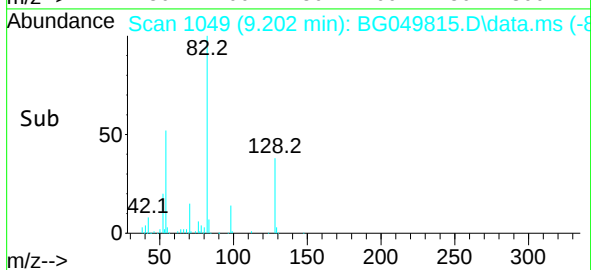
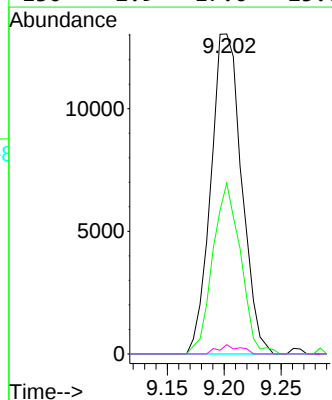
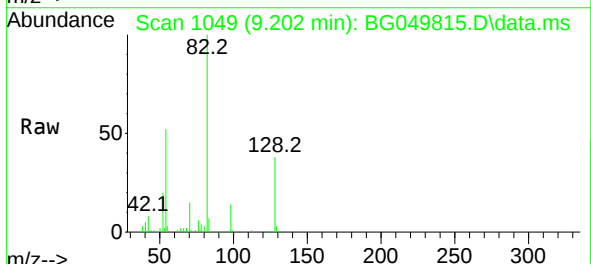
Instrument :
BNA_G
ClientSampleId :
124027

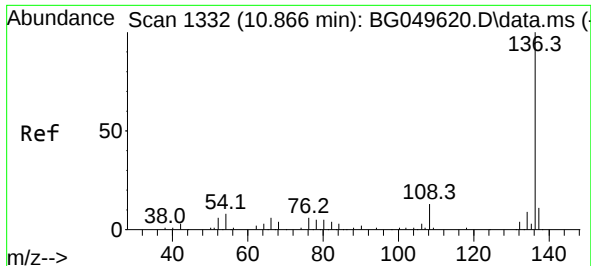
Tgt Ion: 99 Resp: 230116
Ion Ratio Lower Upper
99 100
42 20.2 20.5 30.7#
71 45.8 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.624 ng
RT: 9.202 min Scan# 1049
Delta R.T. 0.351 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

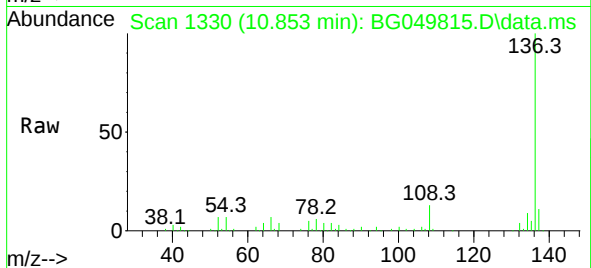
Tgt Ion: 70 Resp: 24539
Ion Ratio Lower Upper
70 100
42 53.4 54.5 81.7#
101 0.0 9.0 13.6#
130 2.9 17.0 25.6#



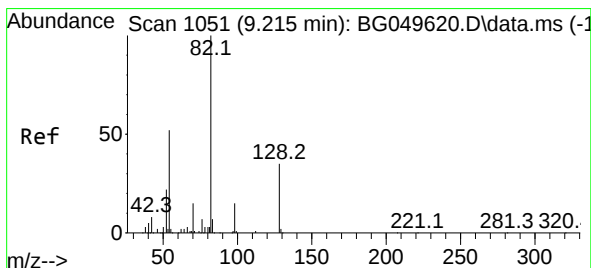
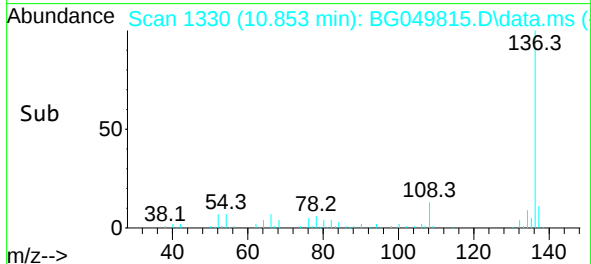
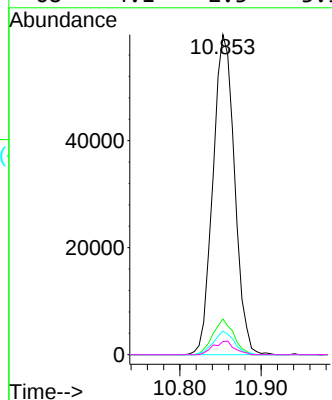


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.853 min Scan# 1330
Delta R.T. -0.013 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Instrument :
BNA_G
ClientSampleId :
124027

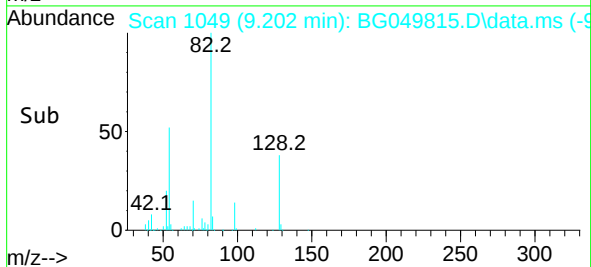
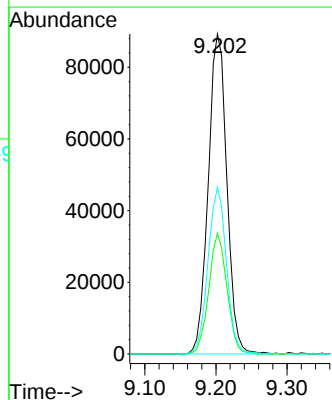
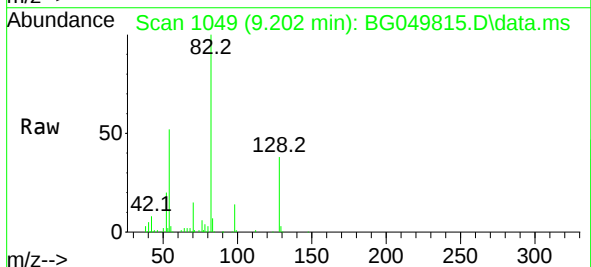


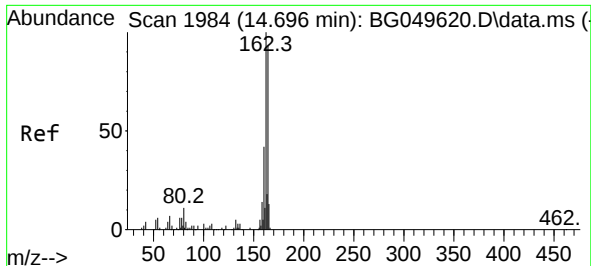
Tgt Ion:136 Resp: 110563
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 7.3 5.5 8.3
68 4.1 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 65.023 ng
RT: 9.202 min Scan# 1049
Delta R.T. -0.013 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Tgt Ion: 82 Resp: 162462
Ion Ratio Lower Upper
82 100
128 37.7 29.8 44.6
54 52.1 45.8 68.8

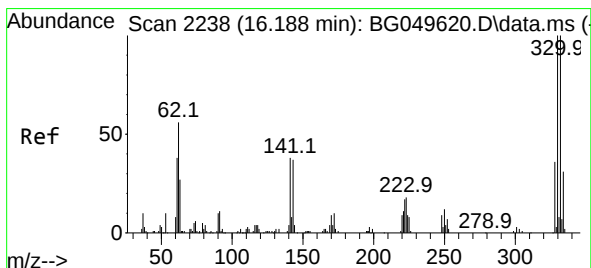
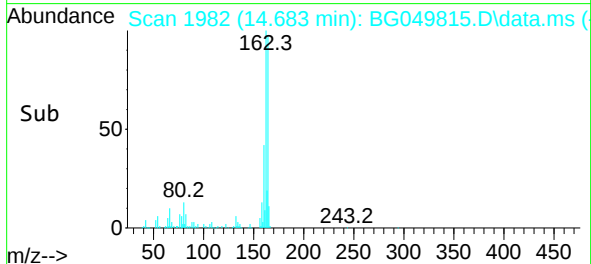
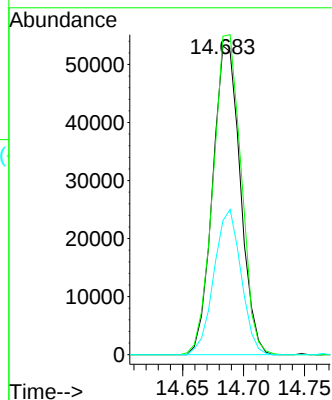
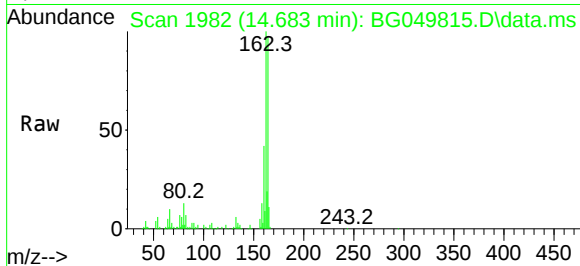




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.683 min Scan# 1982
Delta R.T. -0.013 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

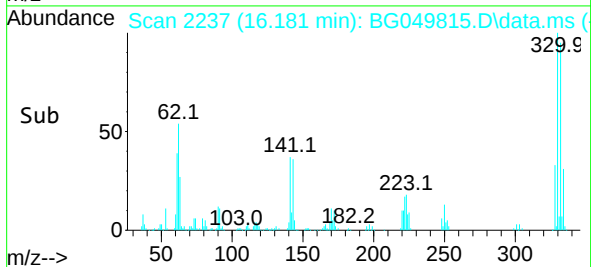
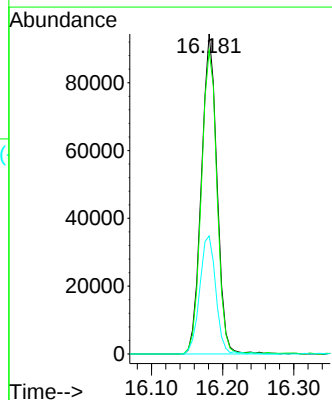
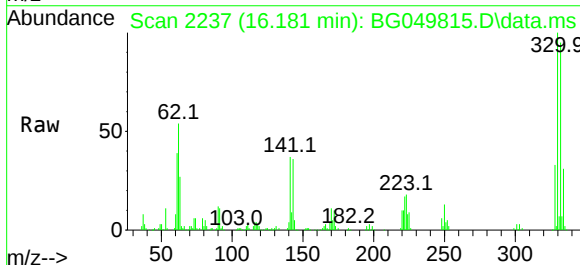
Instrument :
BNA_G
ClientSampleId :
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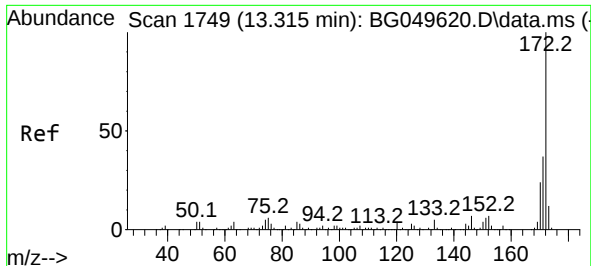
Tgt Ion:164 Resp: 84114
Ion Ratio Lower Upper
164 100
162 103.1 81.4 122.0
160 43.5 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 116.452 ng
RT: 16.181 min Scan# 2237
Delta R.T. -0.007 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Tgt Ion:330 Resp: 143977
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 38.1 35.6 53.4

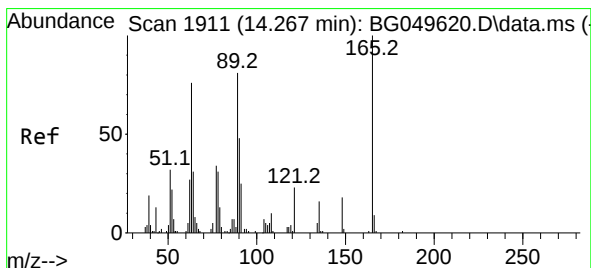
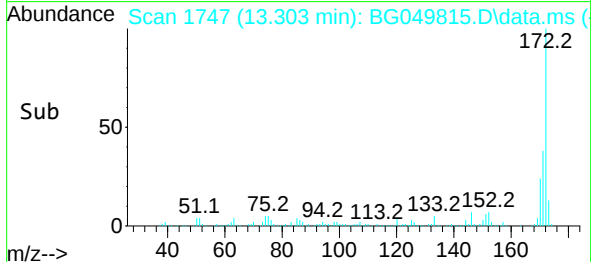
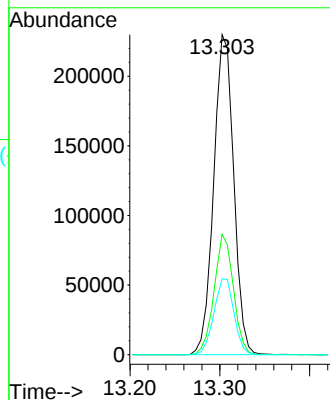
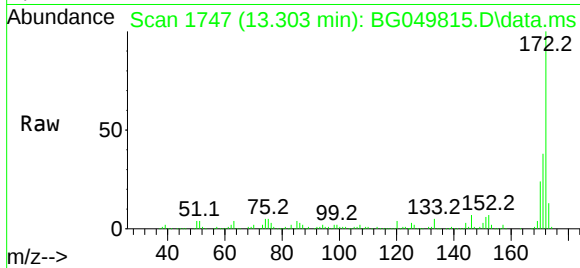




#45
2-Fluorobiphenyl
Concen: 61.493 ng
RT: 13.303 min Scan# 1747
Delta R.T. -0.013 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

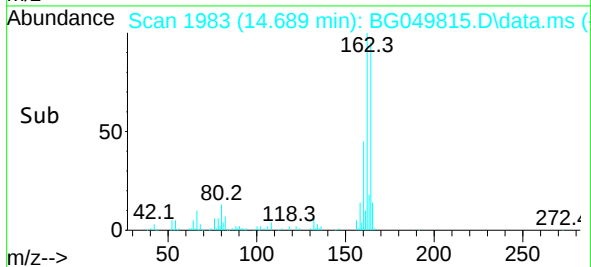
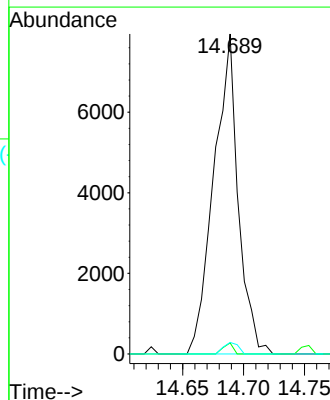
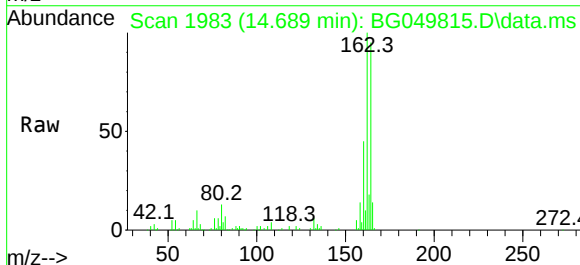
Instrument :
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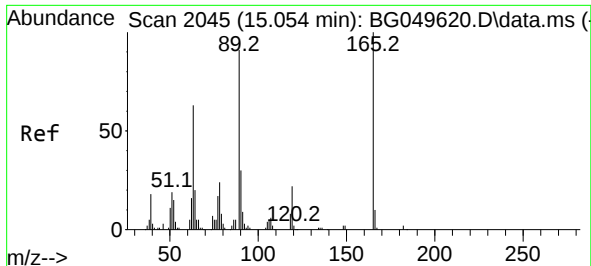
Tgt Ion:172 Resp: 355474
Ion Ratio Lower Upper
172 100
171 37.6 28.6 43.0
170 23.7 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.904 ng
RT: 14.689 min Scan# 1983
Delta R.T. 0.422 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Tgt Ion:165 Resp: 11044
Ion Ratio Lower Upper
165 100
63 3.5 63.3 94.9#
89 3.6 63.4 95.0#

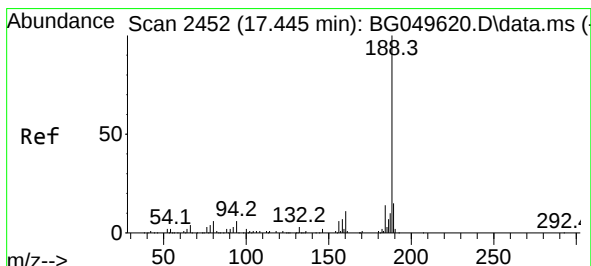
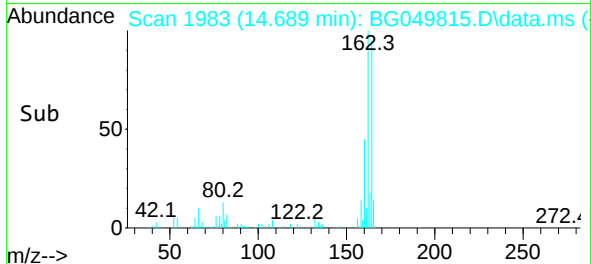
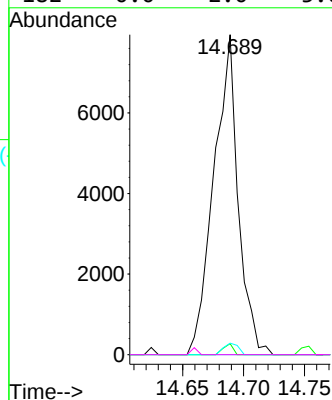
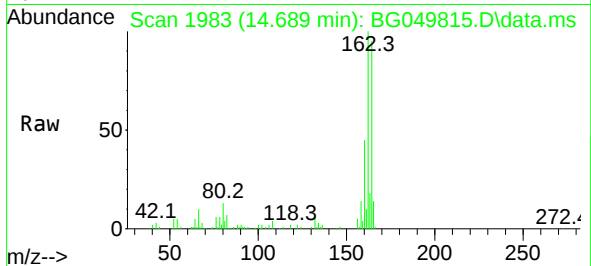




#57
2,4-Dinitrotoluene
Concen: 5.627 ng
RT: 14.689 min Scan# 1983
Delta R.T. -0.365 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

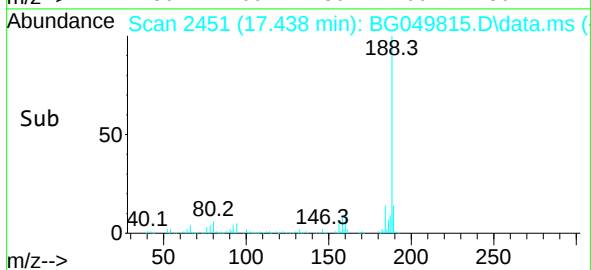
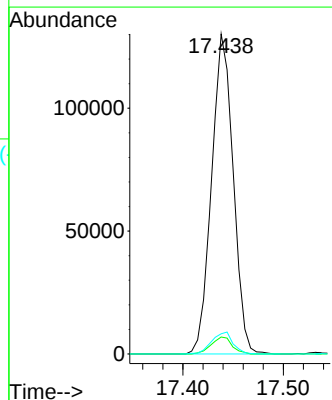
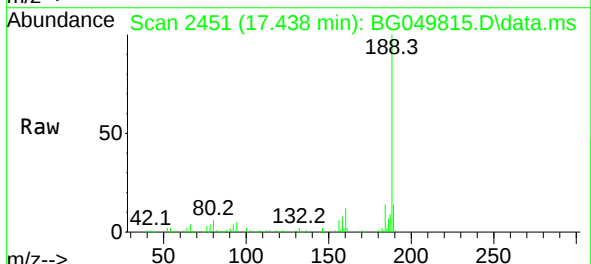
Instrument :
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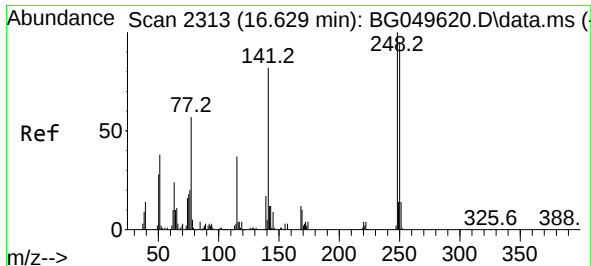
Tgt Ion:	165	Resp:	11044
Ion Ratio	Lower	Upper	
165	100		
63	3.5	48.0	72.0#
89	3.6	65.4	98.0#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.438 min Scan# 2451
Delta R.T. -0.007 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Tgt Ion:	188	Resp:	194632
Ion Ratio	Lower	Upper	
188	100		
94	5.3	5.4	8.0#
80	6.3	3.7	5.5#

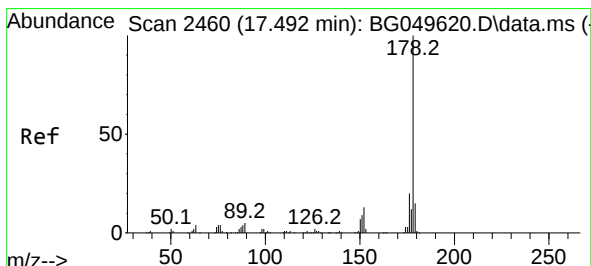
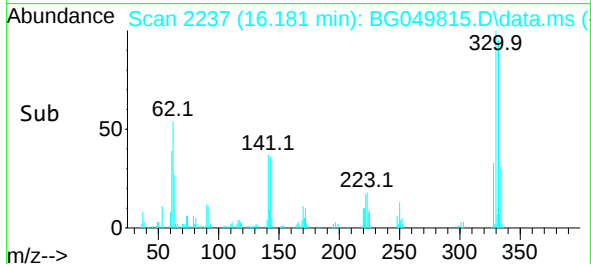
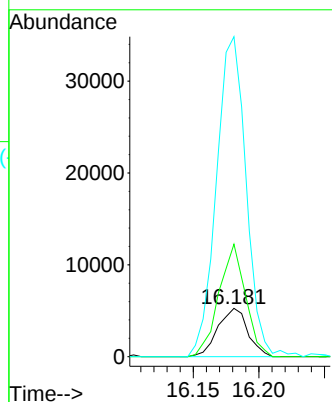
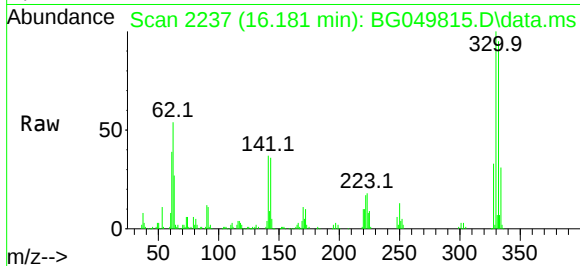




#67
4-Bromophenyl-phenylether
Concen: 3.639 ng
RT: 16.181 min Scan# 2237
Delta R.T. -0.448 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

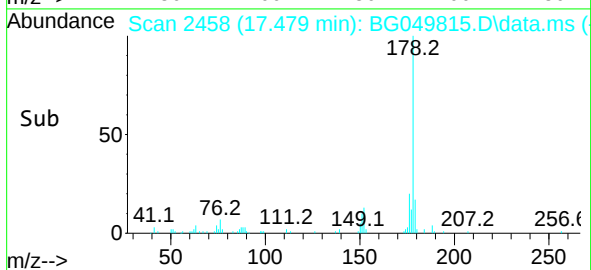
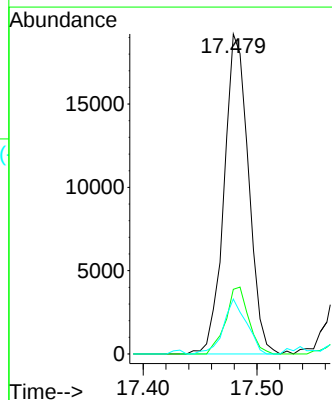
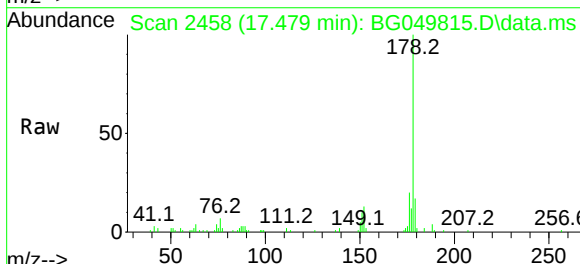
Instrument :
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ClientSampleId :
124027

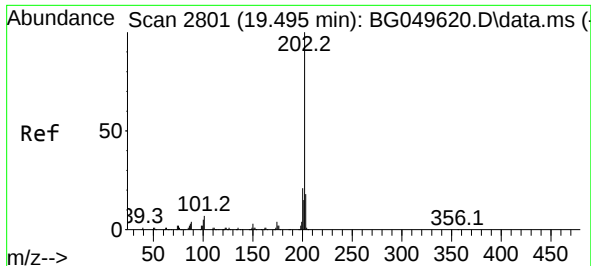
Tgt Ion:248 Resp: 8341
Ion Ratio Lower Upper
248 100
250 233.0 76.1 114.1#
141 663.2 65.4 98.2#



#71
Phenanthrene
Concen: 2.796 ng
RT: 17.479 min Scan# 2458
Delta R.T. -0.013 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Tgt Ion:178 Resp: 28629
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 17.2 14.2 21.4

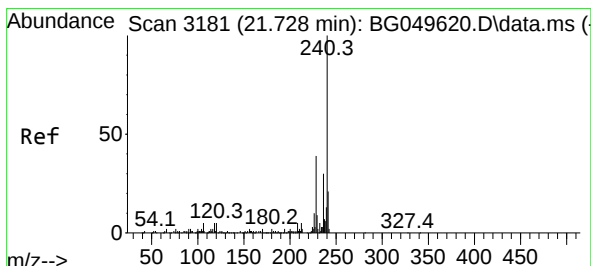
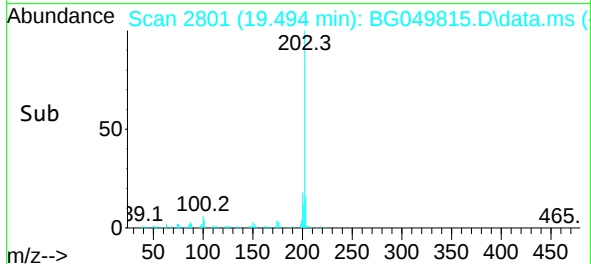
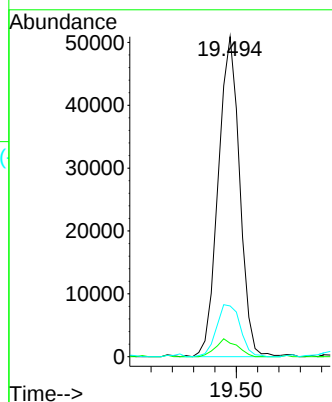
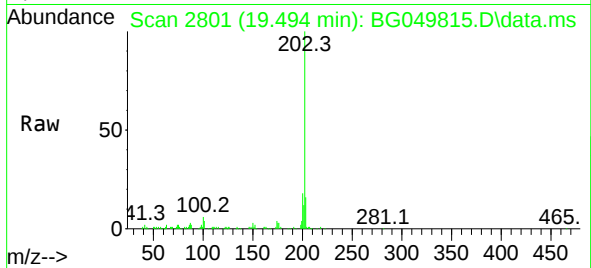




#75
Fluoranthene
Concen: 5.634 ng
RT: 19.494 min Scan# 2801
Delta R.T. -0.001 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

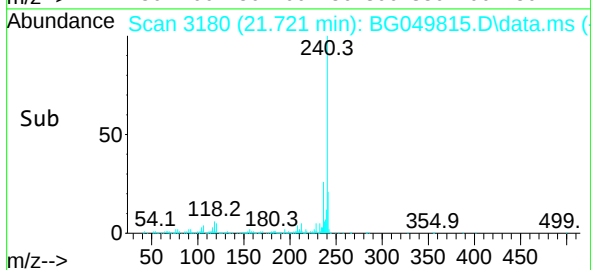
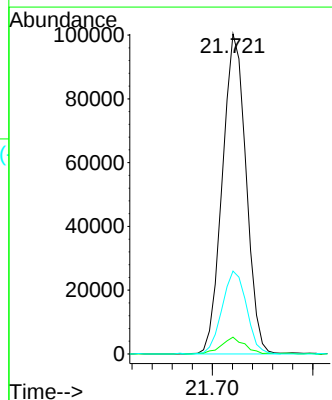
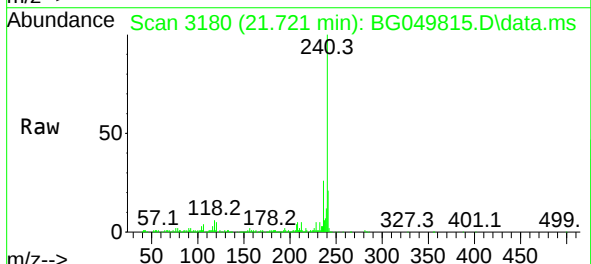
Instrument :
BNA_G
ClientSampleId :
124027

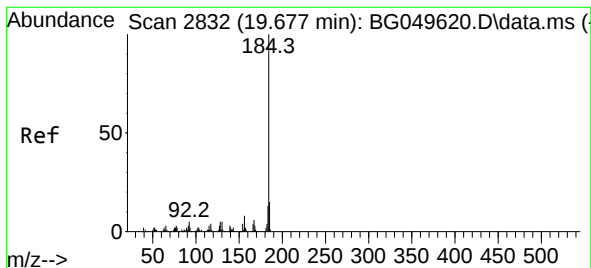
Tgt Ion:202 Resp: 70994
Ion Ratio Lower Upper
202 100
101 4.2 0.0 24.7
203 15.9 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3180
Delta R.T. -0.007 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Tgt Ion:240 Resp: 164499
Ion Ratio Lower Upper
240 100
120 5.2 4.2 6.2
236 25.9 21.8 32.6





#77

Benzidine

Concen: 2.881 ng

RT: 20.052 min Scan# 2896

Delta R.T. 0.375 min

Lab File: BG049815.D

Acq: 12 Aug 2021 12:59

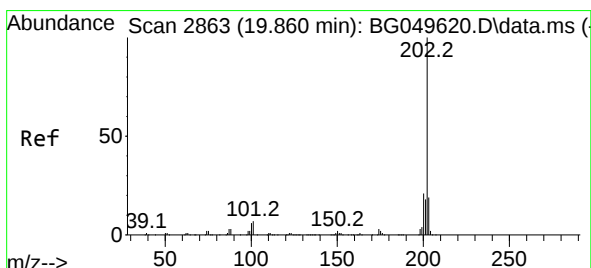
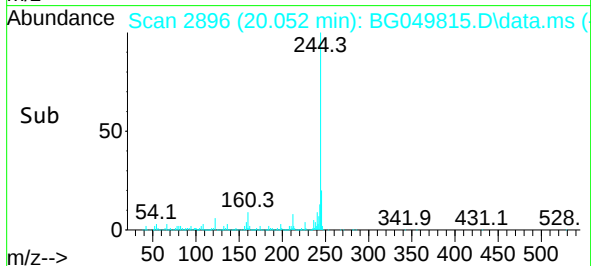
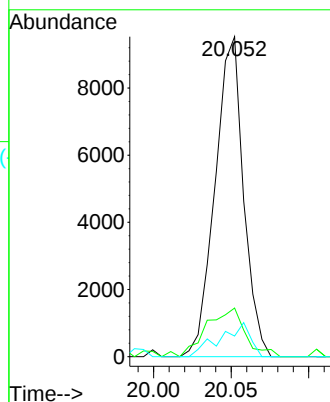
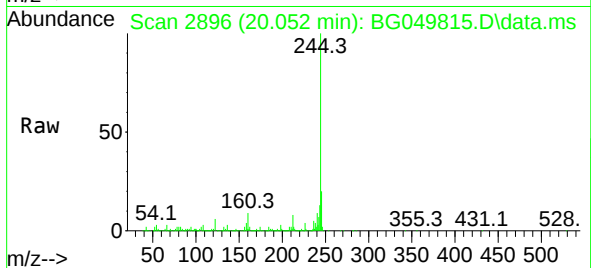
Instrument :

BNA_G

ClientSampleId :

124027

Tgt Ion:184	Resp:	12142
Ion Ratio	Lower	Upper
184	100	
185	15.2	10.7 16.1
183	6.4	9.4 14.0#



#78

Pyrene

Concen: 5.561 ng

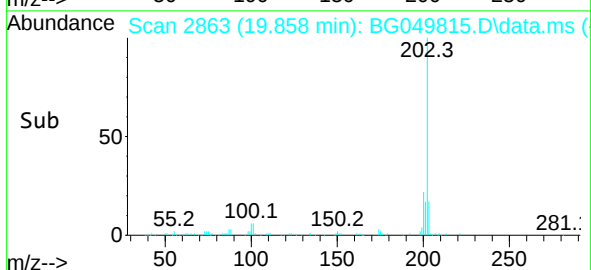
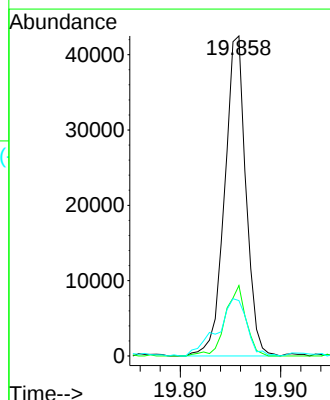
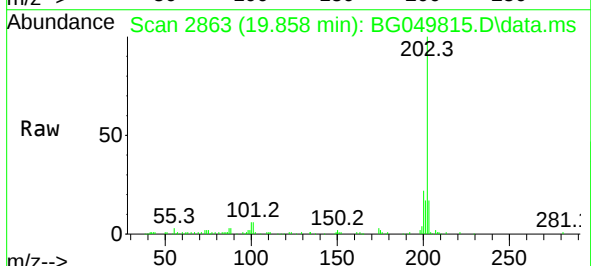
RT: 19.858 min Scan# 2863

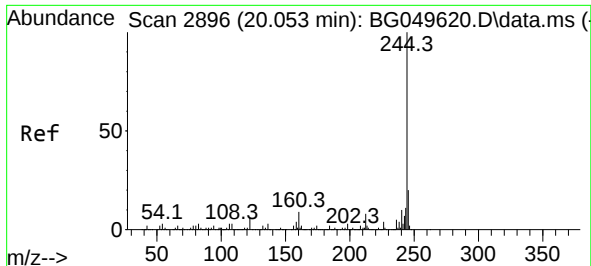
Delta R.T. -0.001 min

Lab File: BG049815.D

Acq: 12 Aug 2021 12:59

Tgt Ion:202	Resp:	62368
Ion Ratio	Lower	Upper
202	100	
200	22.0	15.8 23.8
203	17.3	14.6 21.8

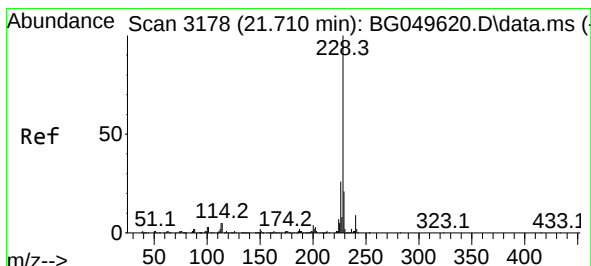
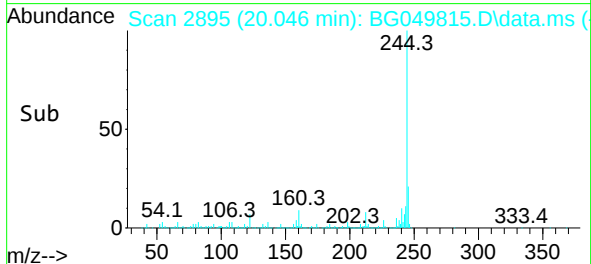
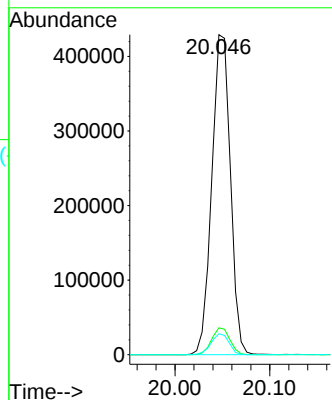
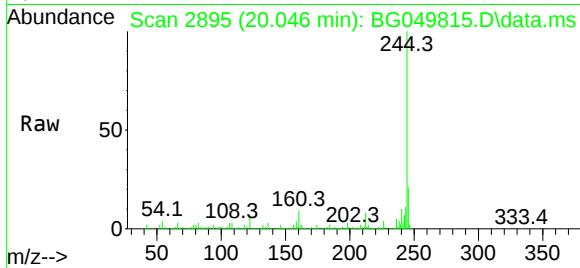




#79
 Terphenyl-d14
 Concen: 64.411 ng
 RT: 20.046 min Scan# 2895
 Delta R.T. -0.007 min
 Lab File: BG049815.D
 Acq: 12 Aug 2021 12:59

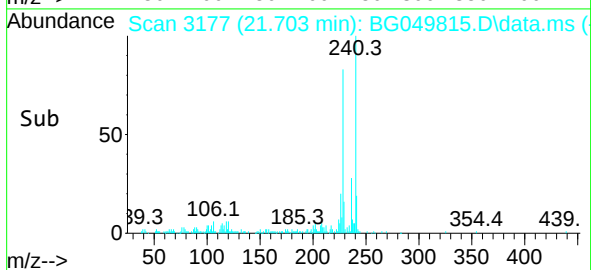
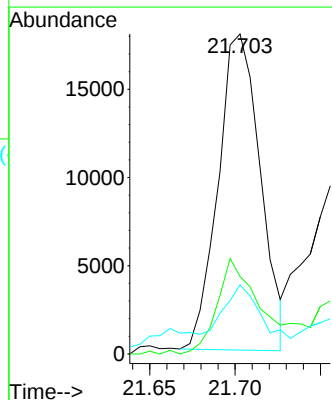
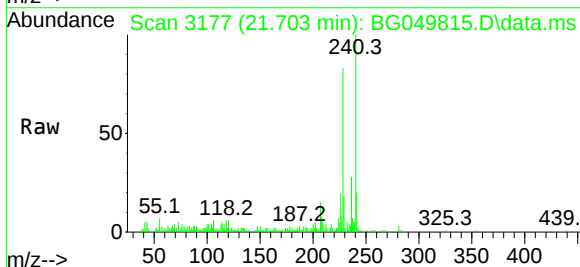
Instrument :
 BNA_G
 ClientSampleId :
 124027

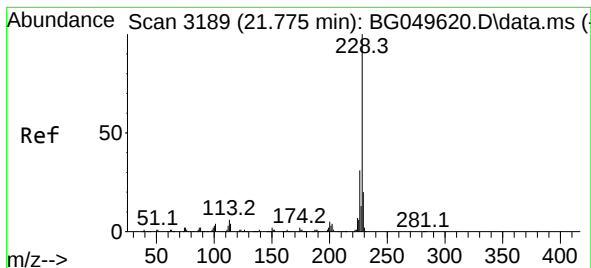
Tgt Ion:244 Resp: 583387
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.9 10.3
 122 6.6 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 2.873 ng
 RT: 21.703 min Scan# 3177
 Delta R.T. -0.007 min
 Lab File: BG049815.D
 Acq: 12 Aug 2021 12:59

Tgt Ion:228 Resp: 30775
 Ion Ratio Lower Upper
 228 100
 226 24.2 22.7 34.1
 229 21.6 16.0 24.0





#83

Chrysene

Concen: 3.487 ng

RT: 21.768 min Scan# 3188

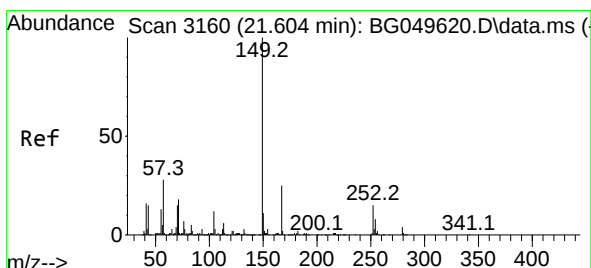
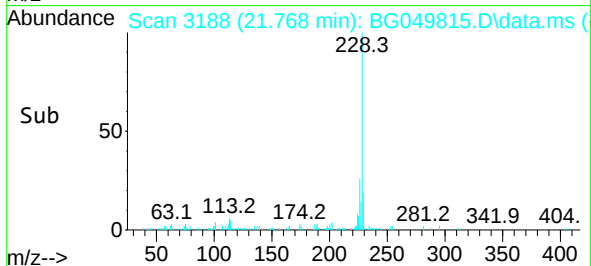
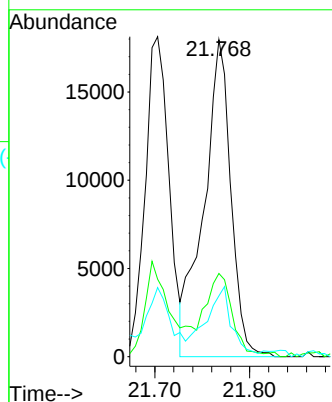
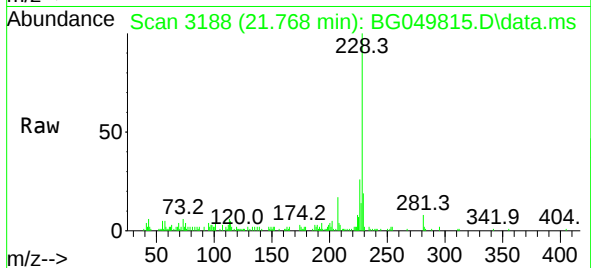
Delta R.T. -0.007 min

Lab File: BG049815.D

Acq: 12 Aug 2021 12:59

Tgt Ion:	228	Resp:	35713
Ion Ratio	Lower	Upper	
228	100		
226	26.3	23.1	34.7
229	19.2	15.3	22.9

Instrument :
BNA_G
ClientSampleId :
124027



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.242 ng

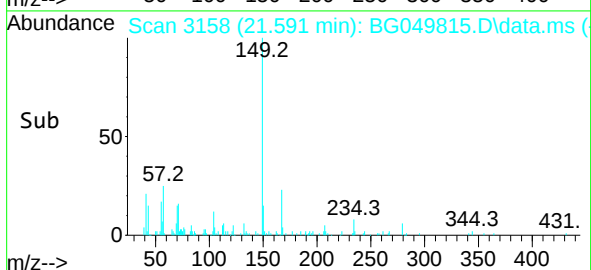
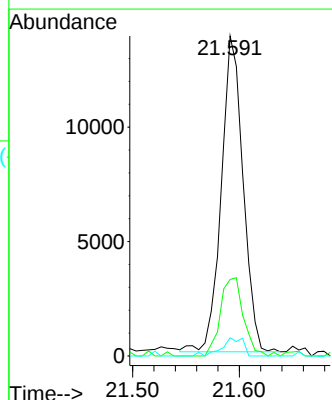
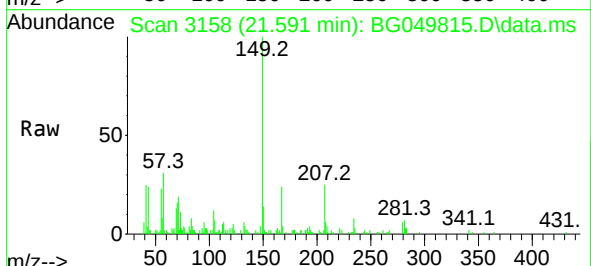
RT: 21.591 min Scan# 3158

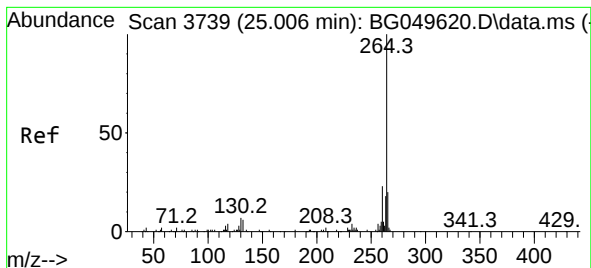
Delta R.T. -0.013 min

Lab File: BG049815.D

Acq: 12 Aug 2021 12:59

Tgt Ion:	149	Resp:	19602
Ion Ratio	Lower	Upper	
149	100		
167	23.9	22.3	33.5
279	5.7	3.8	5.8

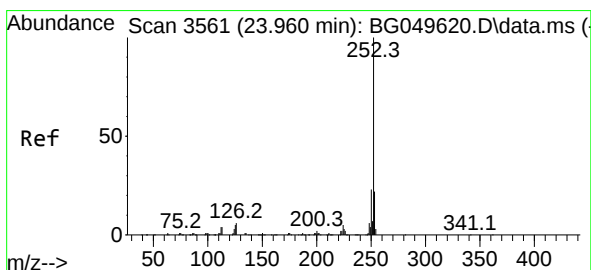
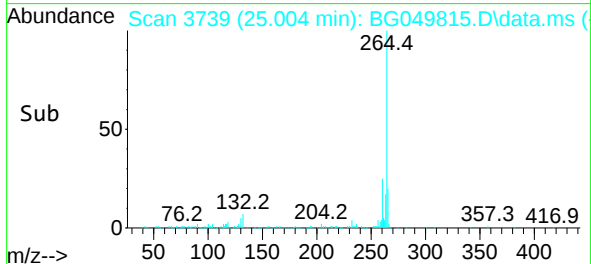
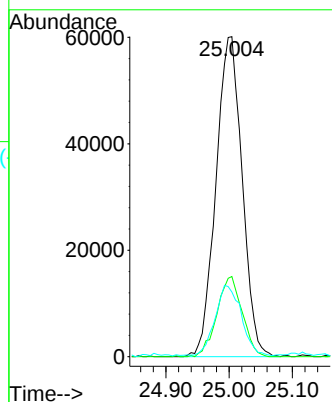
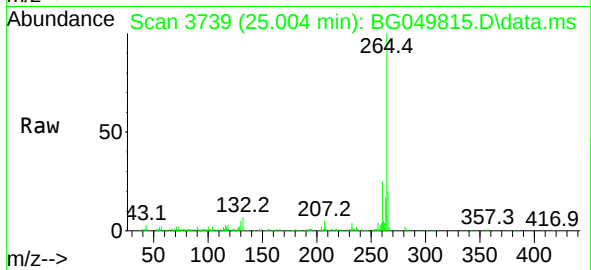




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.004 min Scan# 3739
 Delta R.T. -0.001 min
 Lab File: BG049815.D
 Acq: 12 Aug 2021 12:59

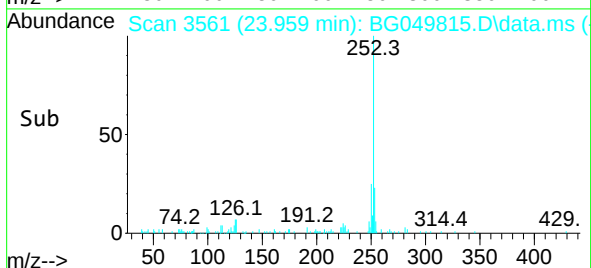
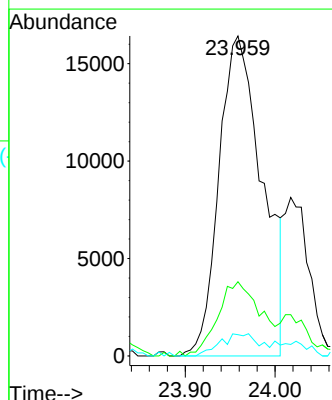
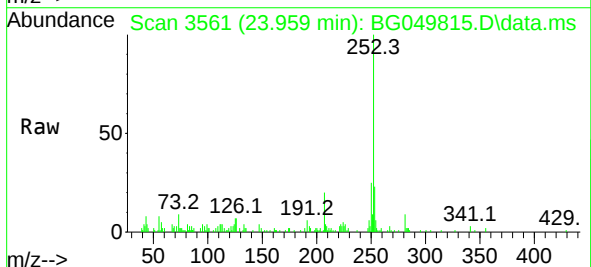
Instrument :
 BNA_G
 ClientSampleId :
 124027

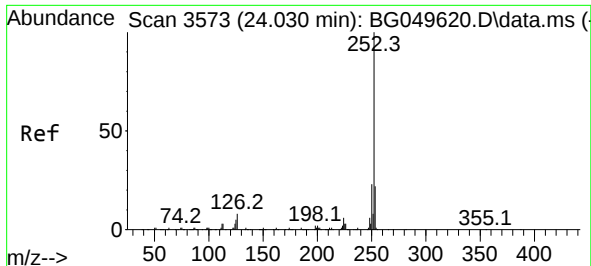
Tgt Ion:264 Resp: 173237
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.4 29.2
 265 20.2 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 4.840 ng
 RT: 23.959 min Scan# 3561
 Delta R.T. -0.001 min
 Lab File: BG049815.D
 Acq: 12 Aug 2021 12:59

Tgt Ion:252 Resp: 54993
 Ion Ratio Lower Upper
 252 100
 253 23.2 16.2 24.4
 125 6.7 3.0 4.4#

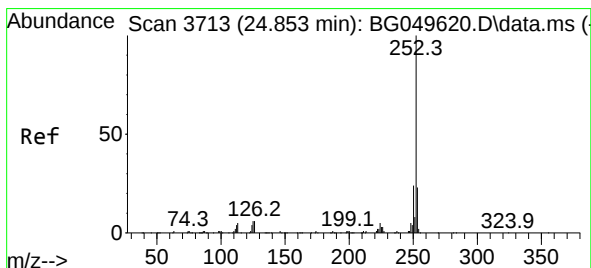
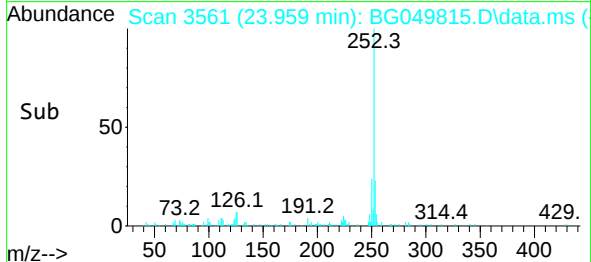
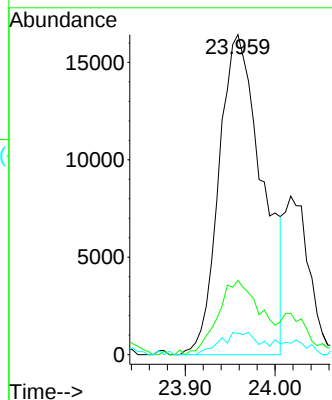
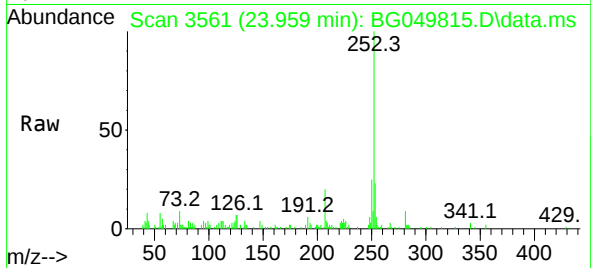




#89
Benzo(k)fluoranthene
Concen: 5.189 ng
RT: 23.959 min Scan# 3561
Delta R.T. -0.072 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Instrument :
BNA_G
ClientSampleId :
124027

Tgt Ion:252 Resp: 54993
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 6.7 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 2.902 ng
RT: 24.846 min Scan# 3712
Delta R.T. -0.007 min
Lab File: BG049815.D
Acq: 12 Aug 2021 12:59

Tgt Ion:252 Resp: 29840
Ion Ratio Lower Upper
252 100
253 24.4 16.6 25.0
125 6.0 3.5 5.3#

