

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049862.D
 Acq On : 16 Aug 2021 23:13
 Operator : CG/JU
 Sample : M3404-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6FT

Quant Time: Aug 17 04:43:34 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

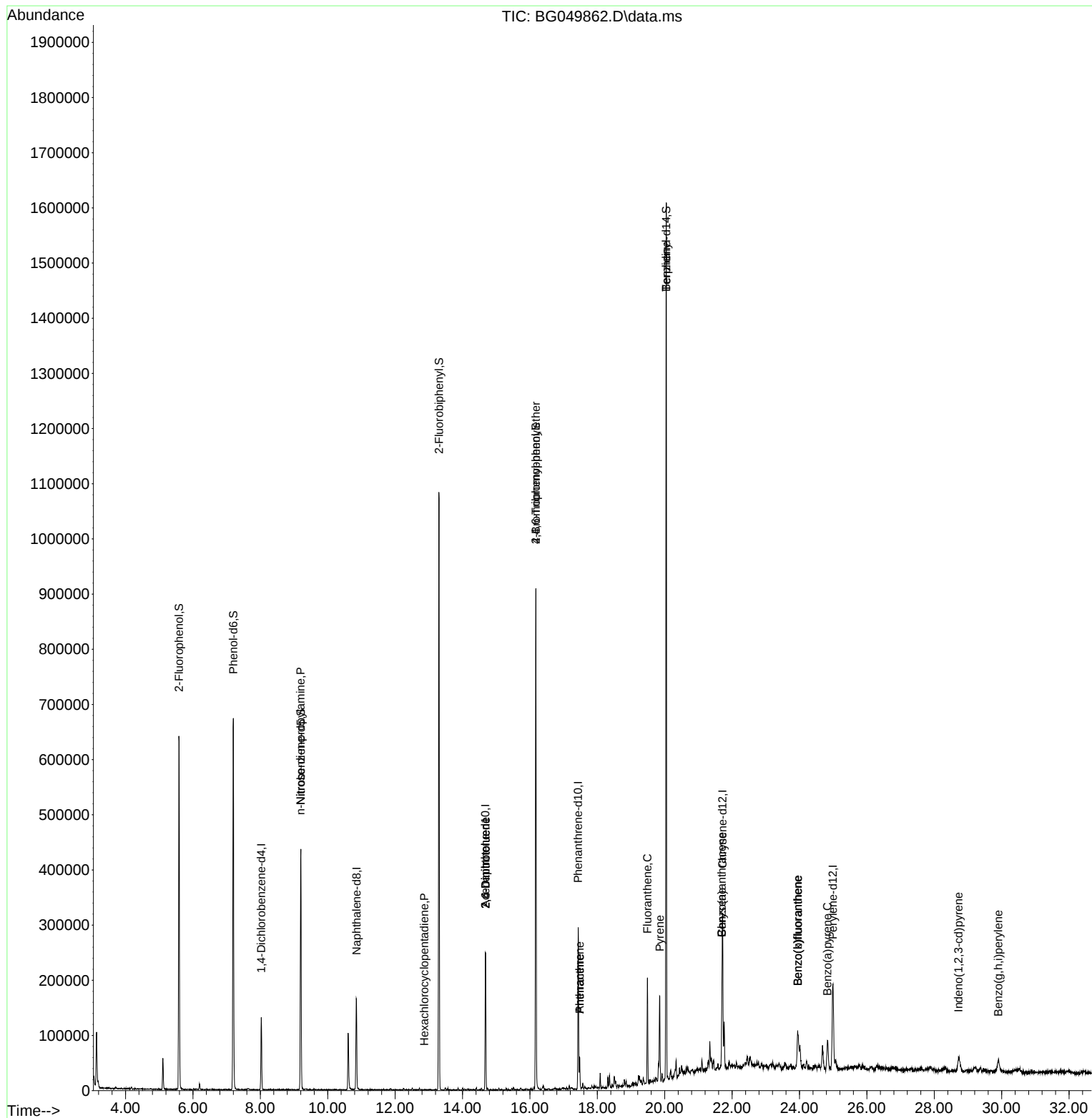
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.028	152	34611	20.000	ng	0.00
21) Naphthalene-d8	10.854	136	141521	20.000	ng	# 0.00
39) Acenaphthene-d10	14.678	164	92552	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	178967	20.000	ng	# 0.00
76) Chrysene-d12	21.716	240	157038	20.000	ng	0.00
86) Perylene-d12	24.994	264	168375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.584	112	271542	140.640	ng	0.00
7) Phenol-d6	7.200	99	369233	126.334	ng	0.00
23) Nitrobenzene-d5	9.203	82	272061	85.069	ng	0.00
42) 2,4,6-Tribromophenol	16.176	330	174969	128.617	ng	0.00
45) 2-Fluorobiphenyl	13.303	172	560197	88.073	ng	0.00
79) Terphenyl-d14	20.047	244	726591	84.033	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.197	70	42222	21.588	ng	# 66
41) Hexachlorocyclopentadiene	12.869	237	75	3.589	ng	# 31
51) 2,6-Dinitrotoluene	14.684	165	12017	7.816	ng	# 12
57) 2,4-Dinitrotoluene	14.684	165	12017	5.565	ng	# 17
67) 4-Bromophenyl-phenylether	16.176	248	10815	5.131	ng	# 1
71) Phenanthrene	17.480	178	36753	3.903	ng	96
72) Anthracene	17.480	178	36753	3.975	ng	98
75) Fluoranthene	19.489	202	118687	10.244	ng	98
77) Benzidine	20.047	184	14304	3.555	ng	# 90
78) Pyrene	19.853	202	109374	10.216	ng	99
81) Benzo(a)anthracene	21.698	228	60040	5.871	ng	96
83) Chrysene	21.698	228	60040	6.142	ng	97
87) Indeno(1,2,3-cd)pyrene	28.718	276	25023	2.061	ng	# 63
88) Benzo(b)fluoranthene	23.948	252	86665	7.848	ng	# 87
89) Benzo(k)fluoranthene	23.948	252	86665	8.414	ng	# 91
90) Benzo(a)pyrene	24.829	252	59462	5.950	ng	# 99
92) Benzo(g,h,i)perylene	29.899	276	46519	4.640	ng	99

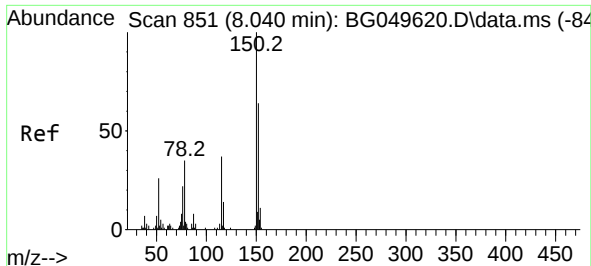
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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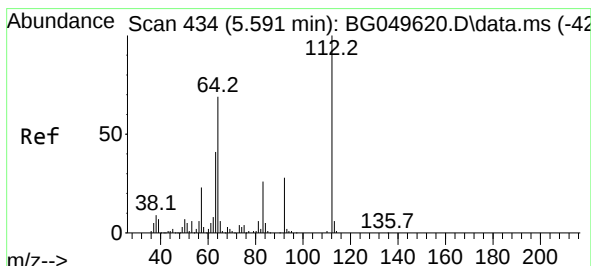
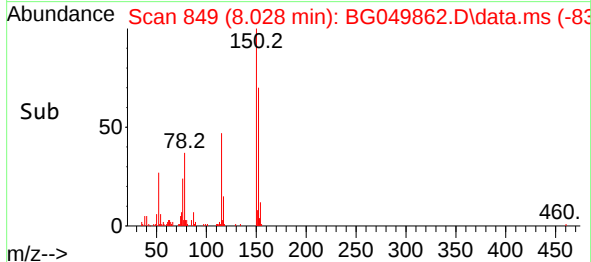
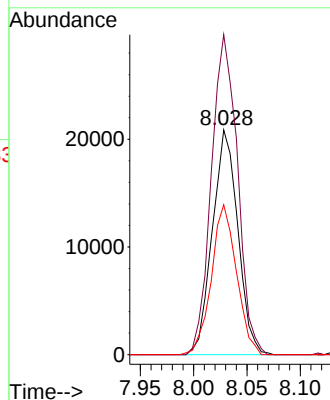
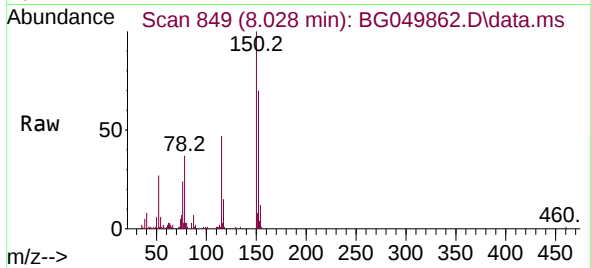




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.028 min Scan# 849
Delta R.T. 0.000 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

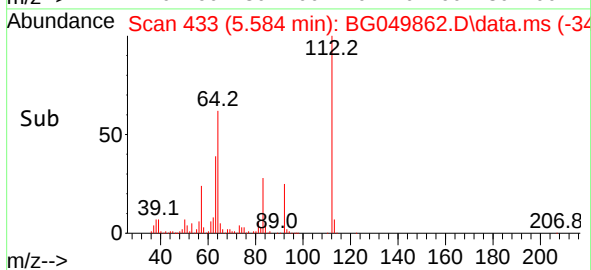
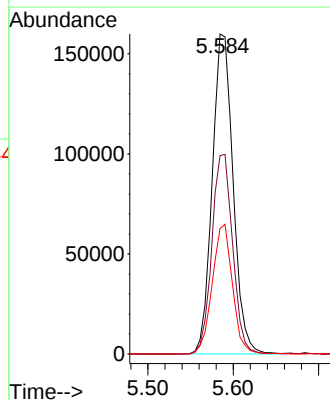
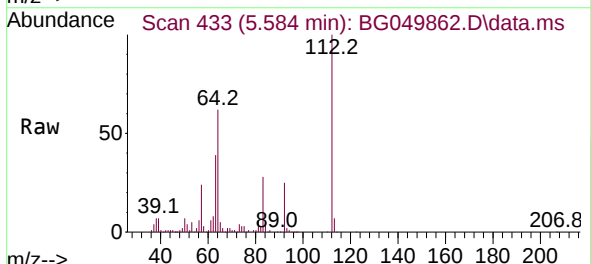
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

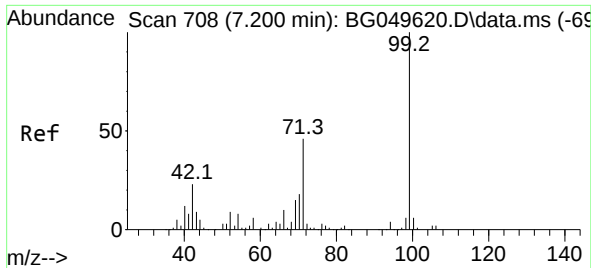
Tgt Ion:152 Resp: 34611
Ion Ratio Lower Upper
152 100
150 142.3 119.4 179.0
115 66.6 60.2 90.4



#5
2-Fluorophenol
Concen: 140.640 ng
RT: 5.584 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion:112 Resp: 271542
Ion Ratio Lower Upper
112 100
64 62.0 46.7 70.1
63 39.2 35.3 52.9

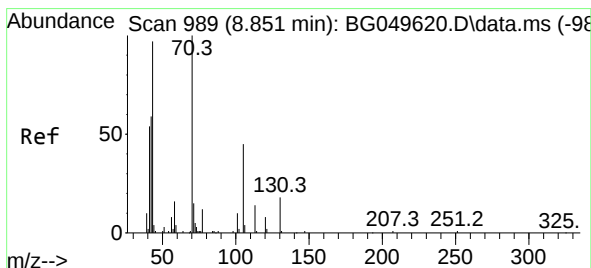
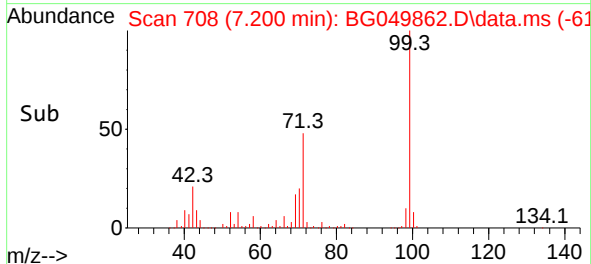
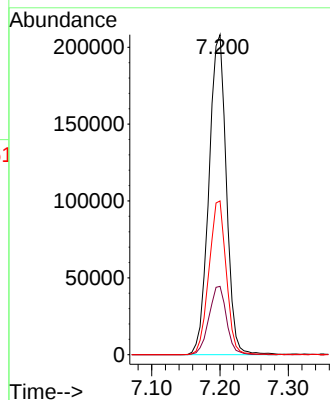
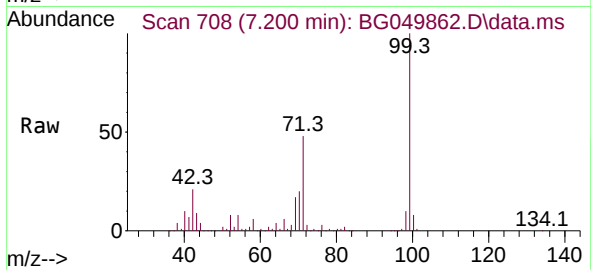




#7
Phenol-d6
Concen: 126.334 ng
RT: 7.200 min Scan# 708
Delta R.T. 0.006 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

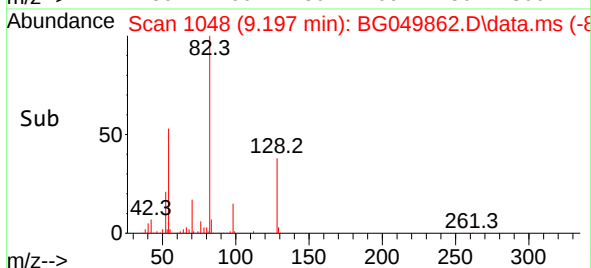
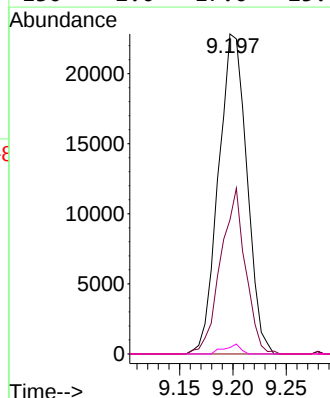
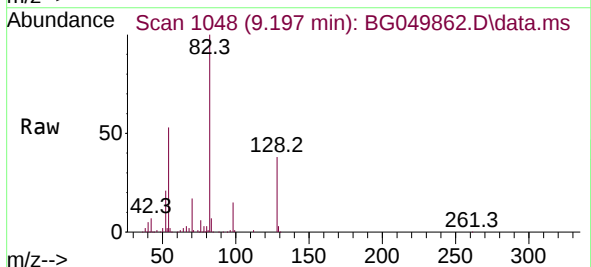
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

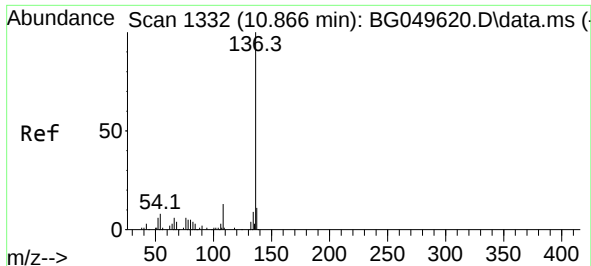
Tgt Ion: 99 Resp: 369233
Ion Ratio Lower Upper
99 100
42 21.4 20.5 30.7
71 48.0 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 21.588 ng
RT: 9.197 min Scan# 1048
Delta R.T. 0.359 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion: 70 Resp: 42222
Ion Ratio Lower Upper
70 100
42 41.9 54.5 81.7#
101 0.0 9.0 13.6#
130 2.0 17.0 25.6#

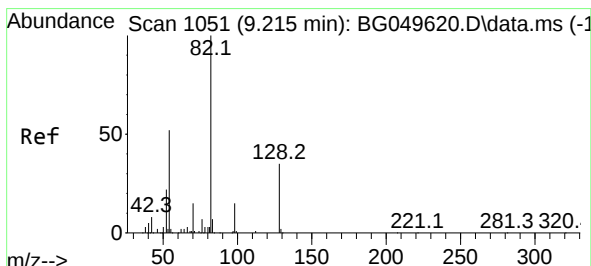
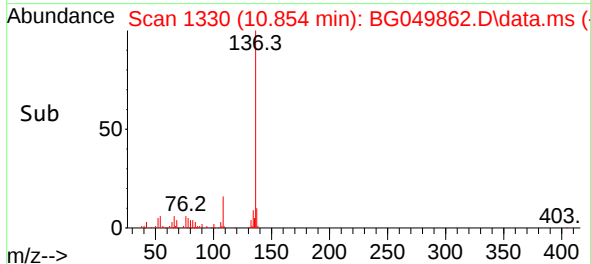
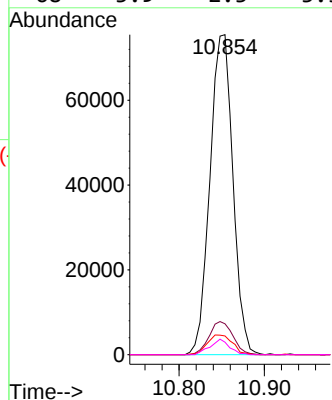
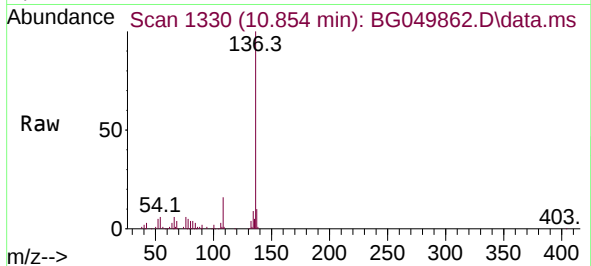




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.854 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

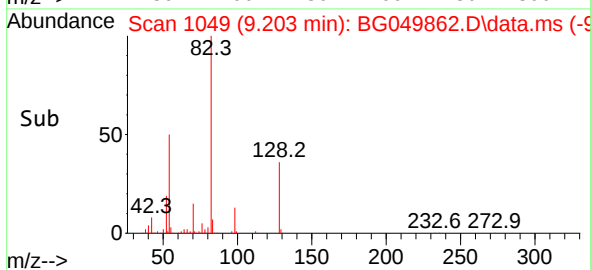
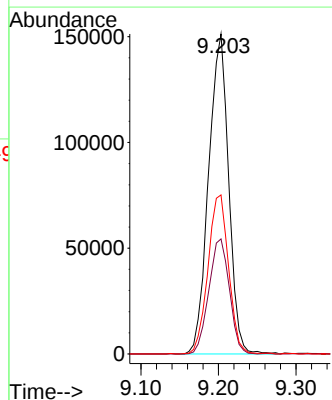
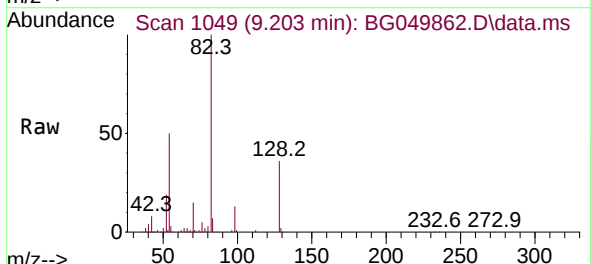
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

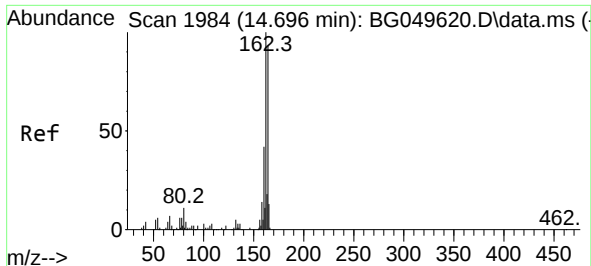
Tgt Ion:	136	Resp:	141521
Ion Ratio	Lower	Upper	
136	100		
137	9.6	8.2	12.2
54	5.9	5.5	8.3
68	3.9	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 85.069 ng
RT: 9.203 min Scan# 1049
Delta R.T. 0.006 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion:	82	Resp:	272061
Ion Ratio	Lower	Upper	
82	100		
128	36.0	29.8	44.6
54	49.7	45.8	68.8

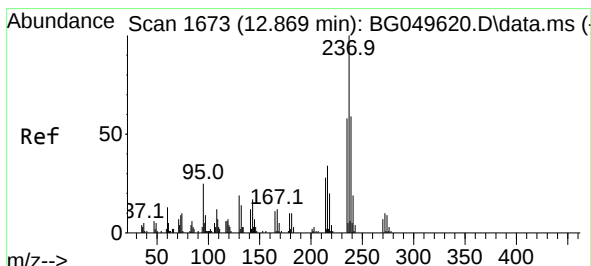
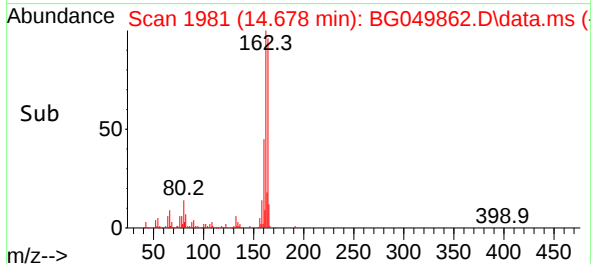
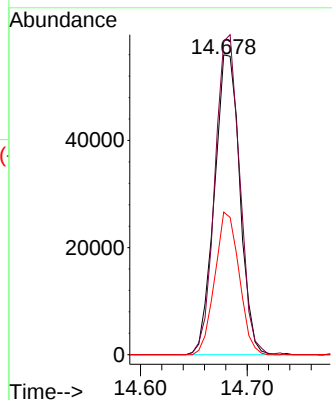
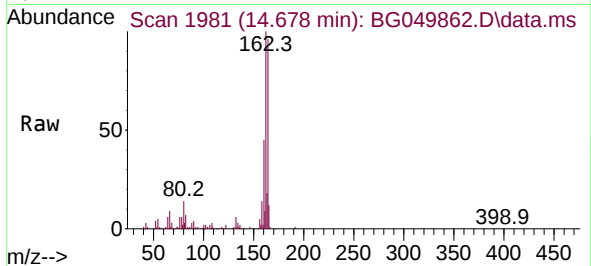




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.678 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

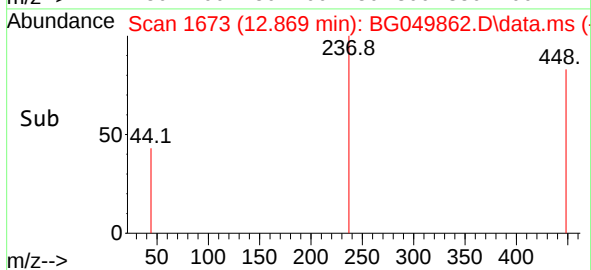
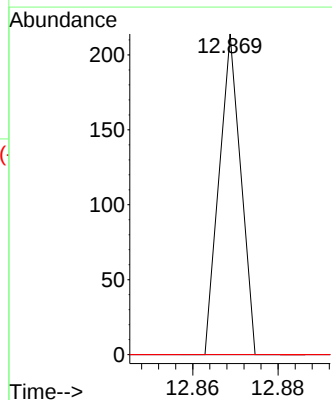
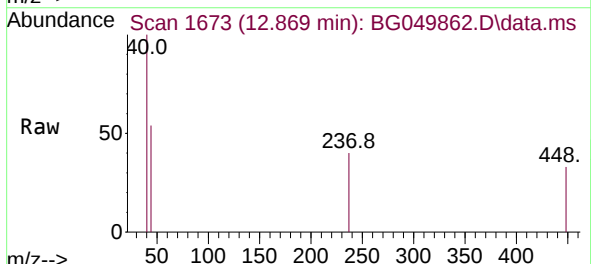
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

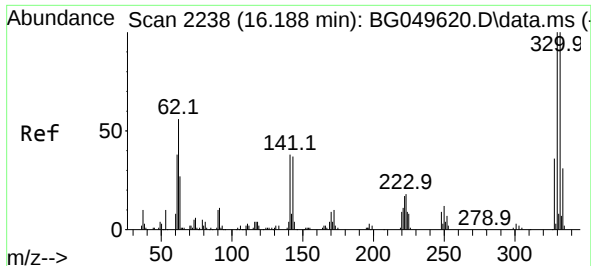
Tgt Ion:164 Resp: 92552
Ion Ratio Lower Upper
164 100
162 104.5 81.4 122.0
160 47.6 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 3.589 ng
RT: 12.869 min Scan# 1673
Delta R.T. 0.018 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

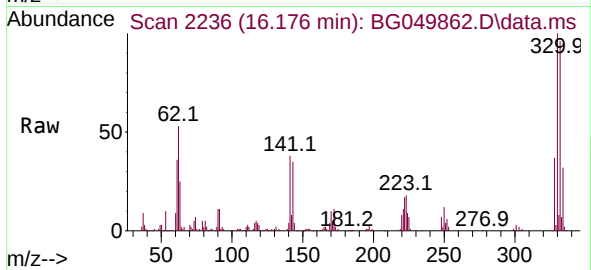
Tgt Ion:237 Resp: 75
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5



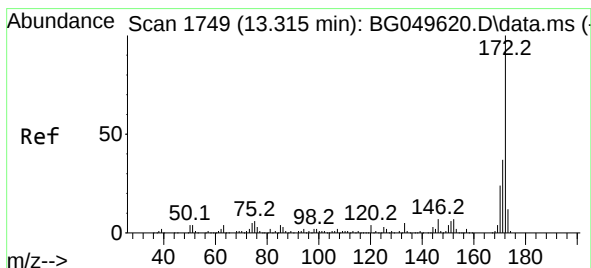
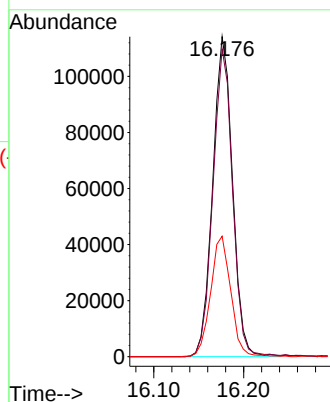
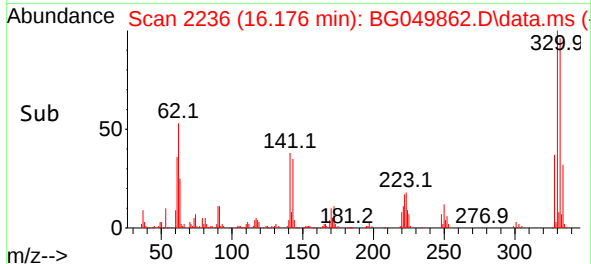


#42
2,4,6-Tribromophenol
Concen: 128.617 ng
RT: 16.176 min Scan# 2236
Delta R.T. 0.000 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

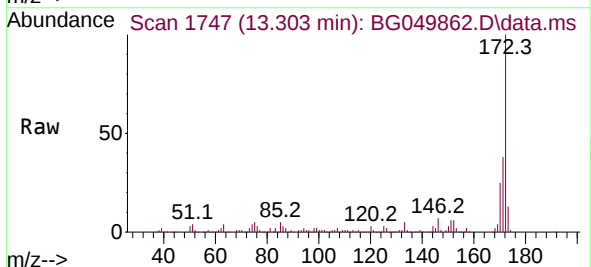
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT



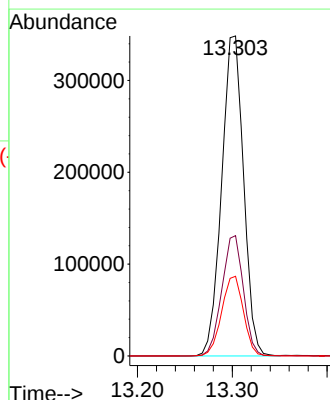
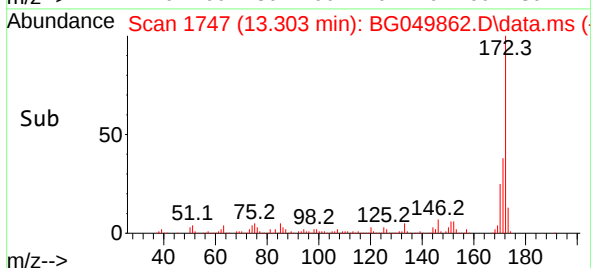
Tgt Ion:330 Resp: 174969
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 38.4 35.6 53.4

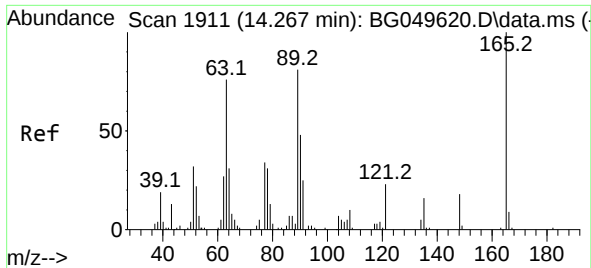


#45
2-Fluorobiphenyl
Concen: 88.073 ng
RT: 13.303 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13



Tgt Ion:172 Resp: 560197
Ion Ratio Lower Upper
172 100
171 37.6 28.6 43.0
170 24.9 18.6 27.8

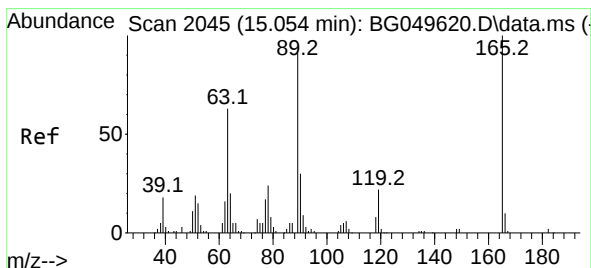
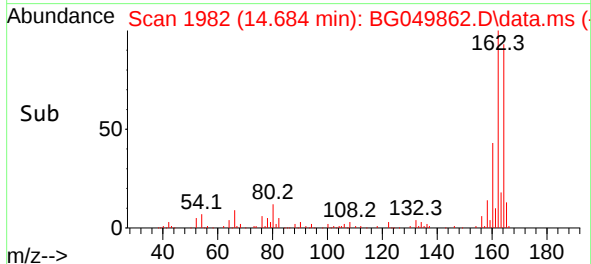
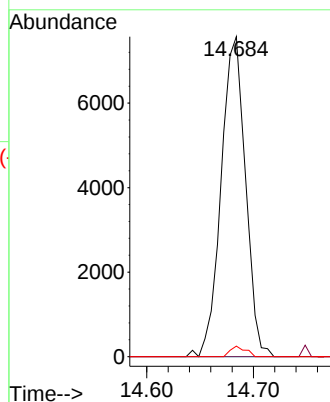
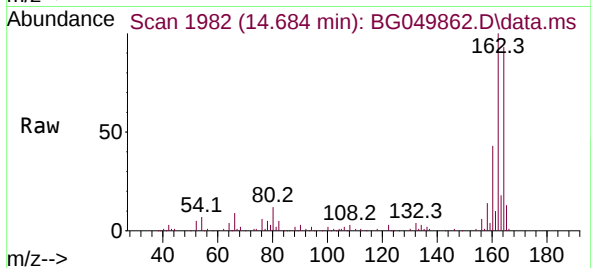




#51
2,6-Dinitrotoluene
Concen: 7.816 ng
RT: 14.684 min Scan# 1982
Delta R.T. 0.429 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

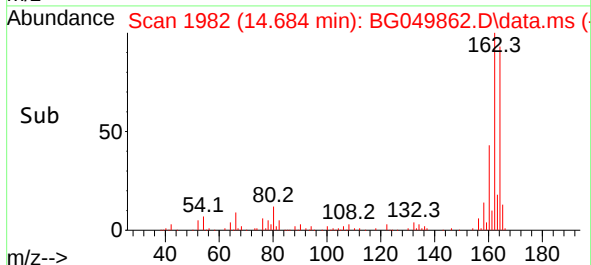
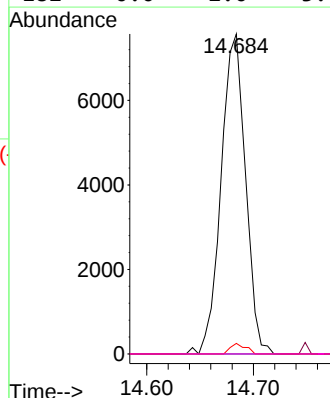
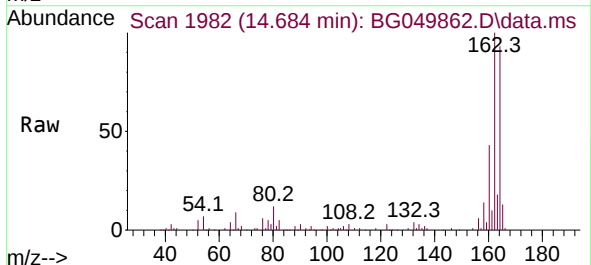
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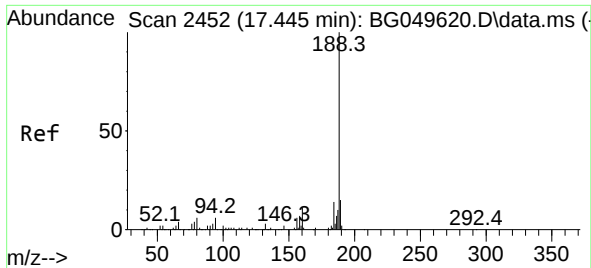
Tgt Ion:165 Resp: 12017
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 3.3 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.565 ng
RT: 14.684 min Scan# 1982
Delta R.T. -0.364 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion:165 Resp: 12017
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 3.3 65.4 98.0#
182 0.0 2.0 3.0#

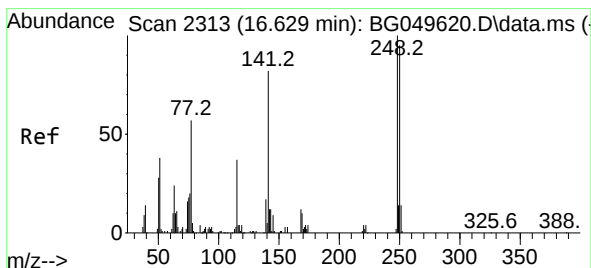
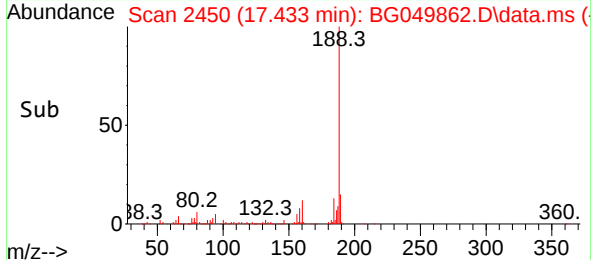
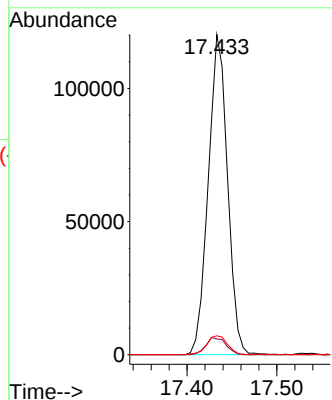
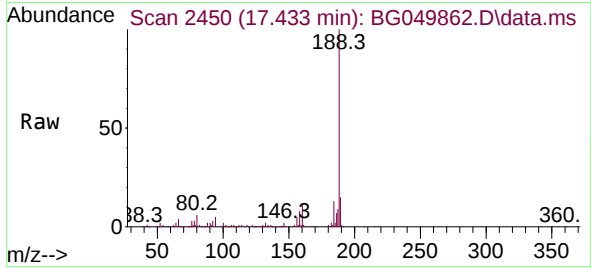




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.433 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

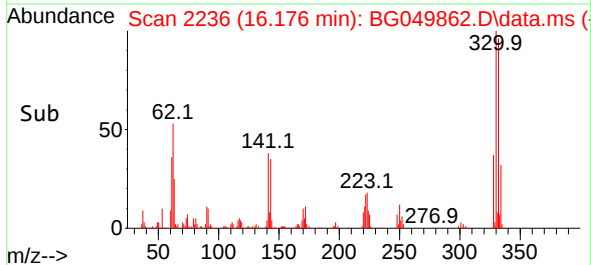
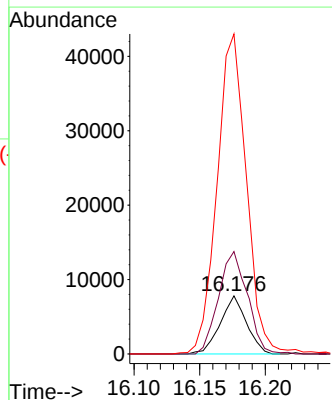
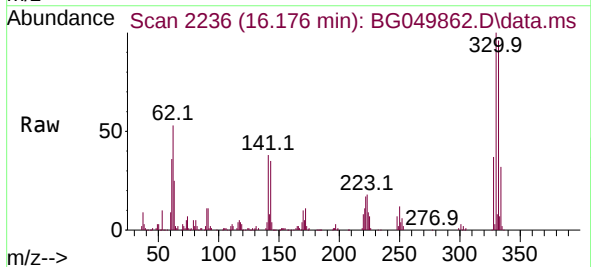
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

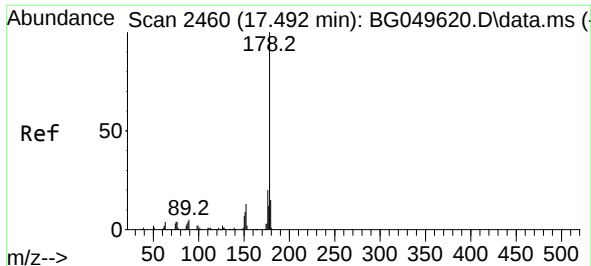
Tgt Ion:188 Resp: 178967
Ion Ratio Lower Upper
188 100
94 4.9 5.4 8.0#
80 5.9 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 5.131 ng
RT: 16.176 min Scan# 2236
Delta R.T. -0.440 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion:248 Resp: 10815
Ion Ratio Lower Upper
248 100
250 176.0 76.1 114.1#
141 550.4 65.4 98.2#

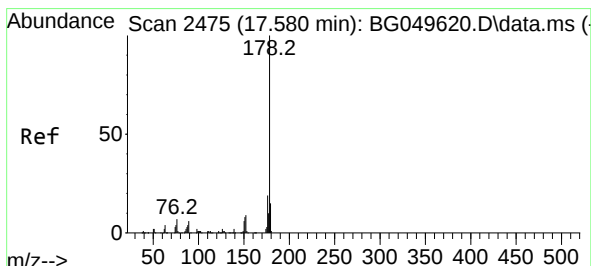
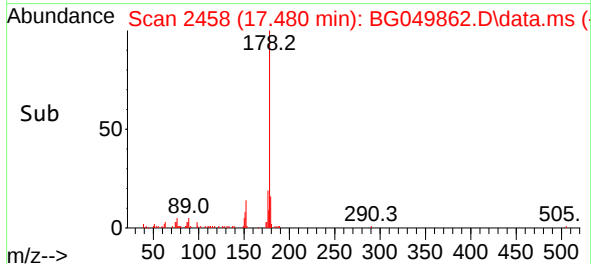
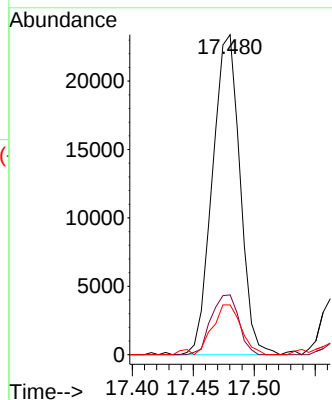
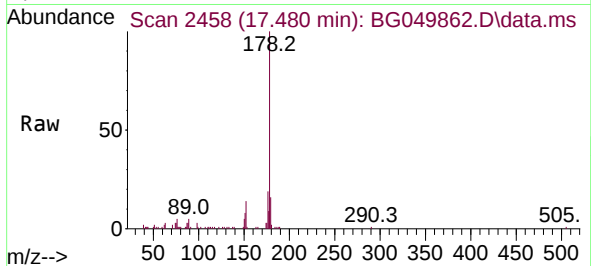




#71
Phenanthrene
Concen: 3.903 ng
RT: 17.480 min Scan# 2458
Delta R.T. 0.000 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

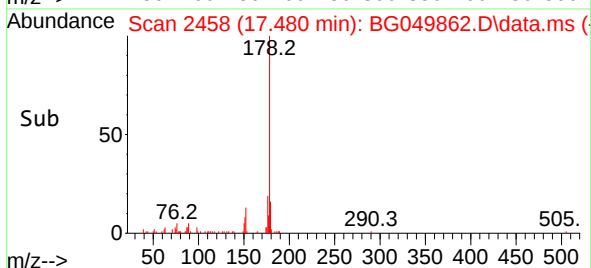
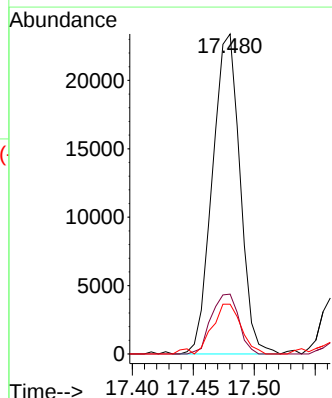
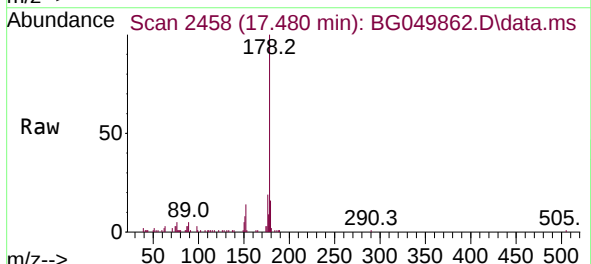
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

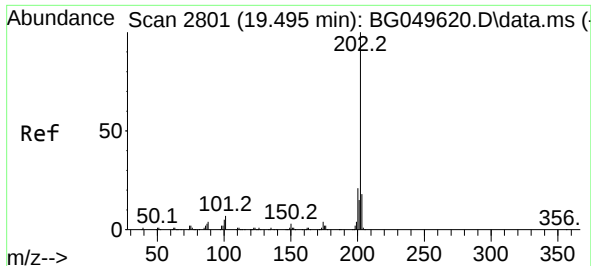
Tgt Ion:178 Resp: 36753
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.6 14.2 21.4



#72
Anthracene
Concen: 3.975 ng
RT: 17.480 min Scan# 2458
Delta R.T. -0.088 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion:178 Resp: 36753
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.6 13.4 20.0

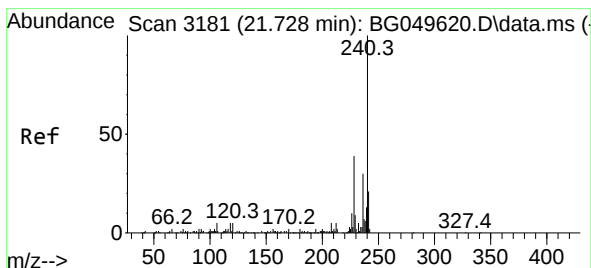
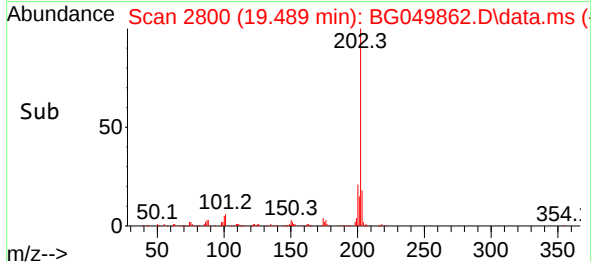
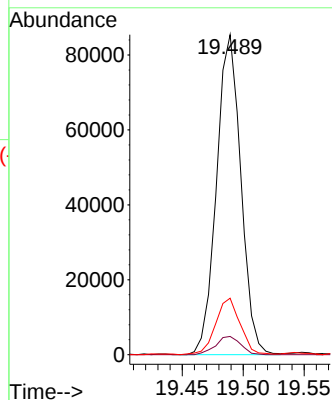
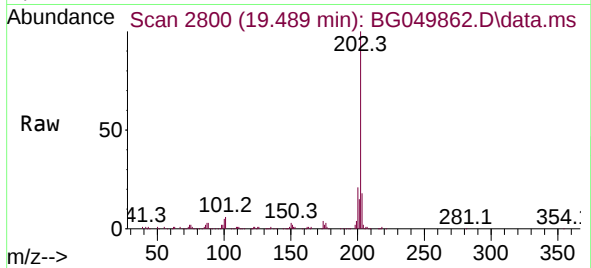




#75
Fluoranthene
Concen: 10.244 ng
RT: 19.489 min Scan# 2800
Delta R.T. 0.000 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

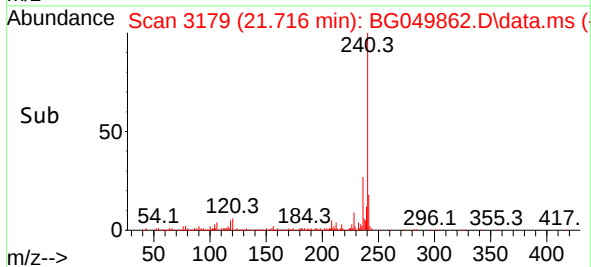
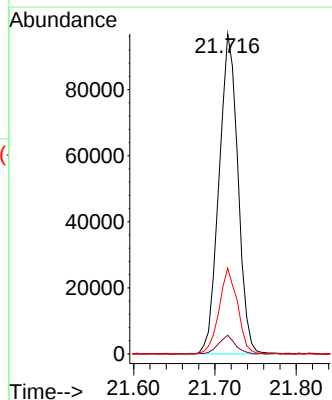
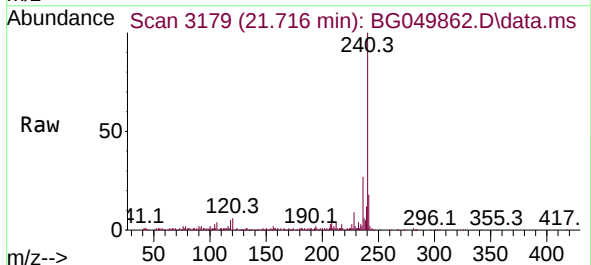
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

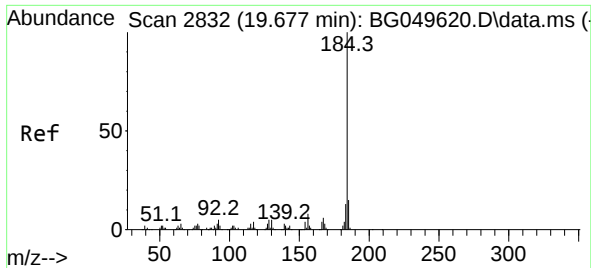
Tgt Ion:202 Resp: 118687
Ion Ratio Lower Upper
202 100
101 5.7 0.0 24.7
203 17.6 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion:240 Resp: 157038
Ion Ratio Lower Upper
240 100
120 5.9 4.2 6.2
236 26.8 21.8 32.6

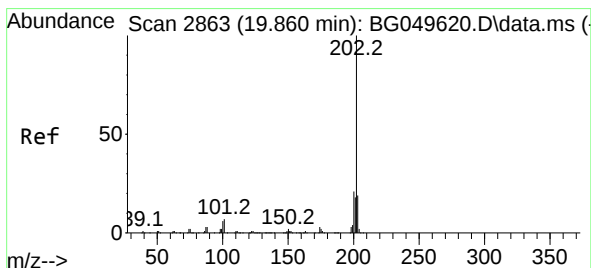
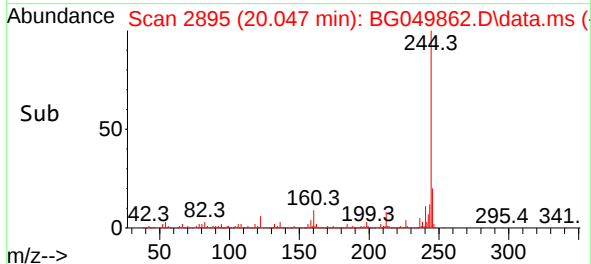
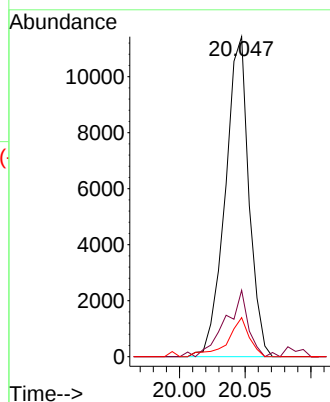
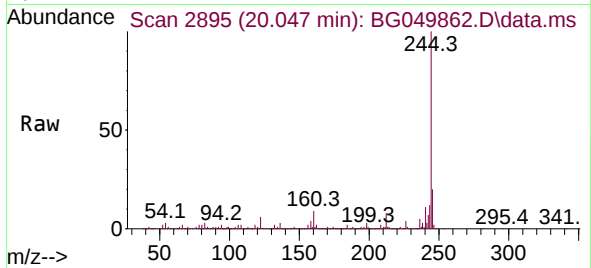




#77
Benzidine
Concen: 3.555 ng
RT: 20.047 min Scan# 2895
Delta R.T. 0.382 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

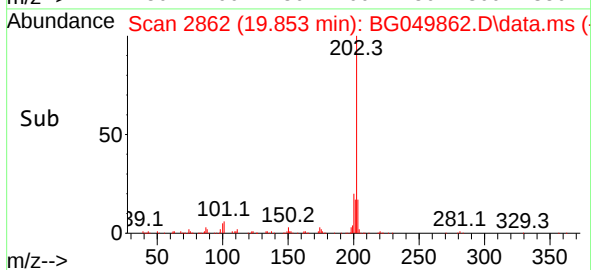
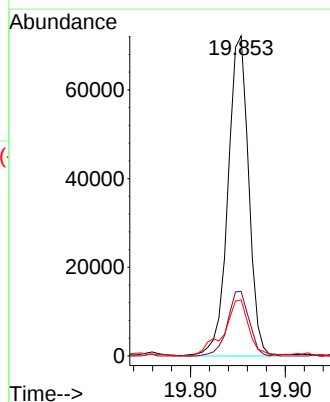
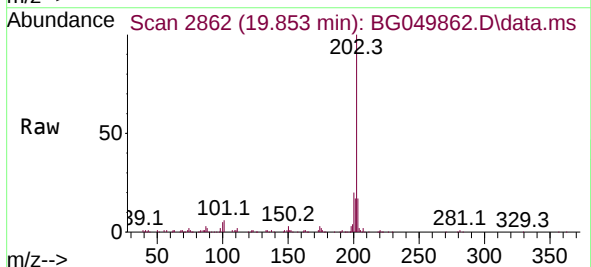
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

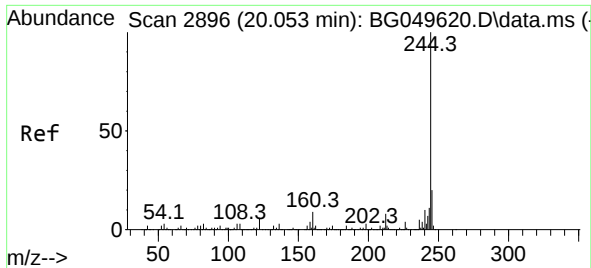
Tgt Ion:184 Resp: 14304
Ion Ratio Lower Upper
184 100
185 20.8 10.7 16.1#
183 12.2 9.4 14.0



#78
Pyrene
Concen: 10.216 ng
RT: 19.853 min Scan# 2862
Delta R.T. 0.000 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion:202 Resp: 109374
Ion Ratio Lower Upper
202 100
200 20.1 15.8 23.8
203 17.5 14.6 21.8

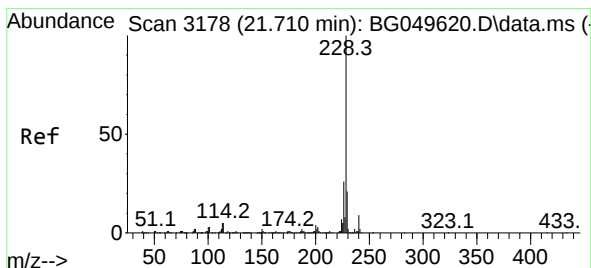
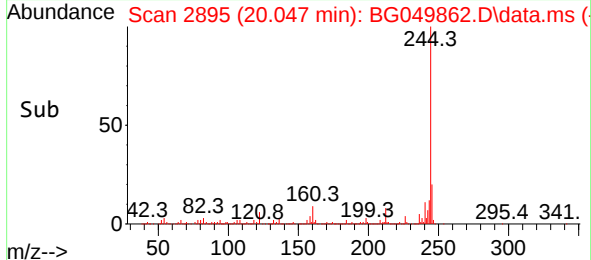
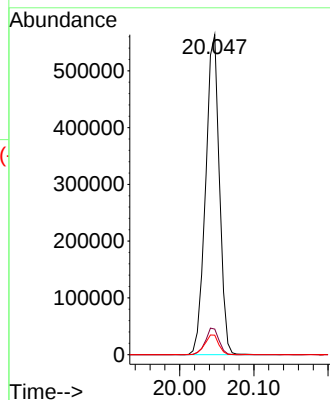
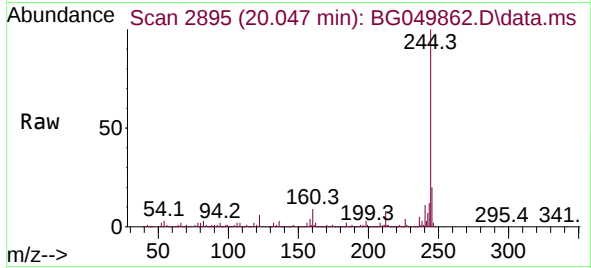




#79
 Terphenyl-d14
 Concen: 84.033 ng
 RT: 20.047 min Scan# 2895
 Delta R.T. 0.000 min
 Lab File: BG049862.D
 Acq: 16 Aug 2021 23:13

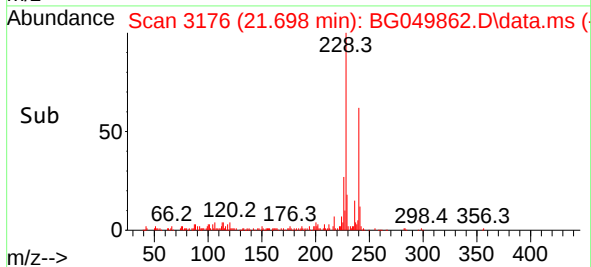
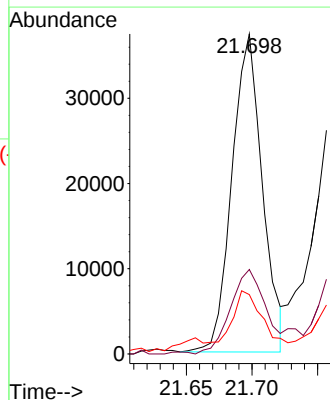
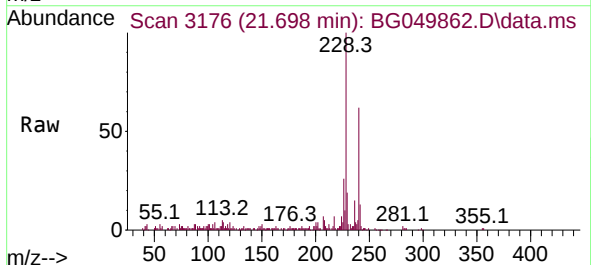
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6FT

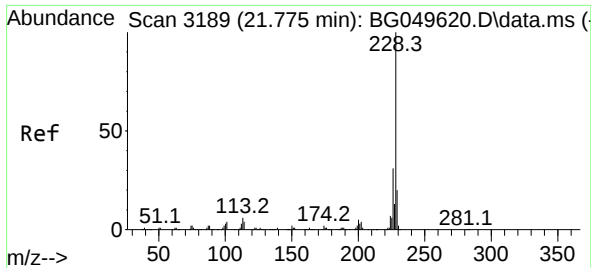
Tgt Ion:244	Resp:	726591
Ion Ratio	Lower	Upper
244	100	
212	8.0	6.9 10.3
122	6.1	5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 5.871 ng
 RT: 21.698 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: BG049862.D
 Acq: 16 Aug 2021 23:13

Tgt Ion:228	Resp:	60040
Ion Ratio	Lower	Upper
228	100	
226	26.4	22.7 34.1
229	18.5	16.0 24.0

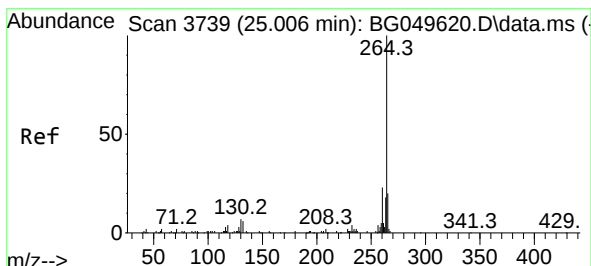
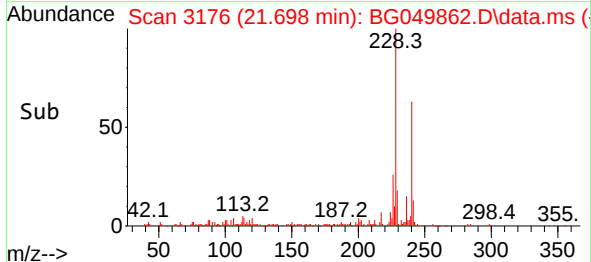
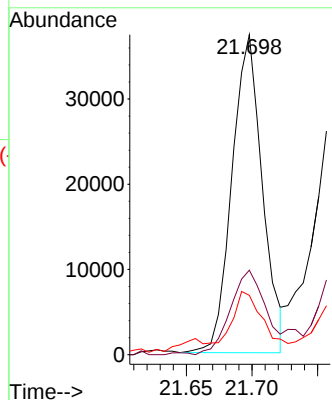
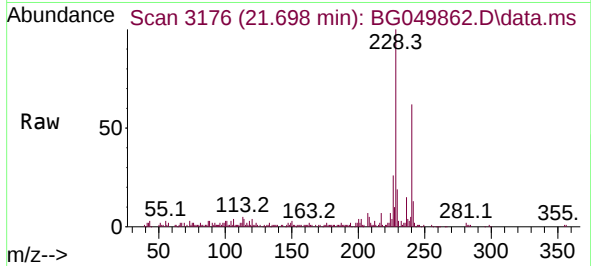




#83
Chrysene
Concen: 6.142 ng
RT: 21.698 min Scan# 3176
Delta R.T. -0.070 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

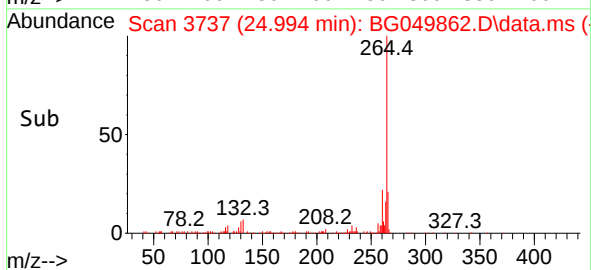
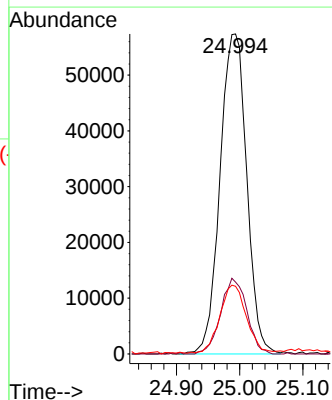
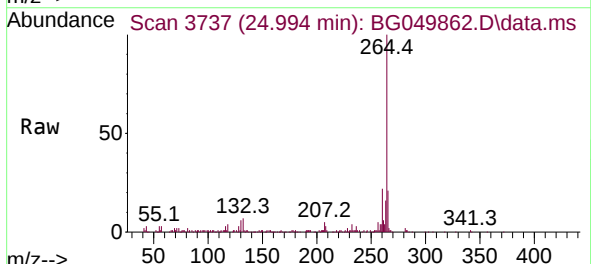
Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

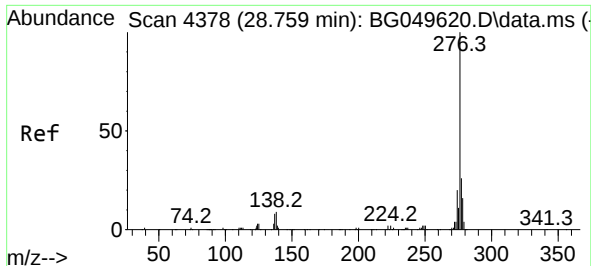
Tgt Ion:228 Resp: 60040
Ion Ratio Lower Upper
228 100
226 26.4 23.1 34.7
229 18.5 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.994 min Scan# 3737
Delta R.T. 0.006 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Tgt Ion:264 Resp: 168375
Ion Ratio Lower Upper
264 100
260 22.5 19.4 29.2
265 21.2 16.9 25.3

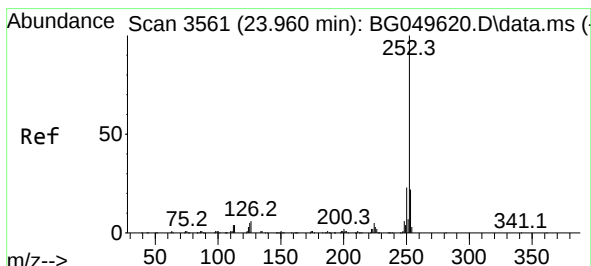
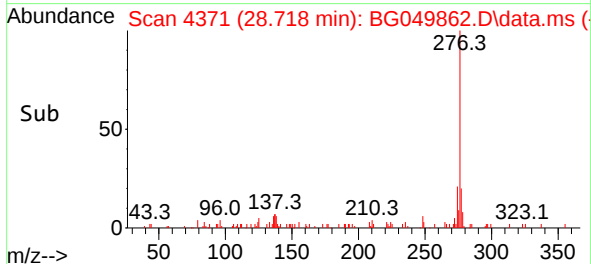
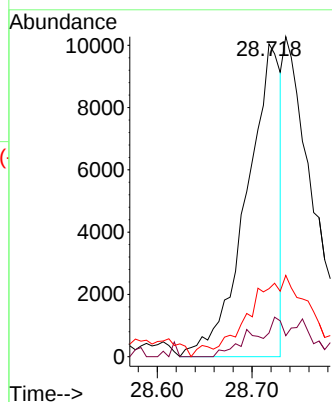
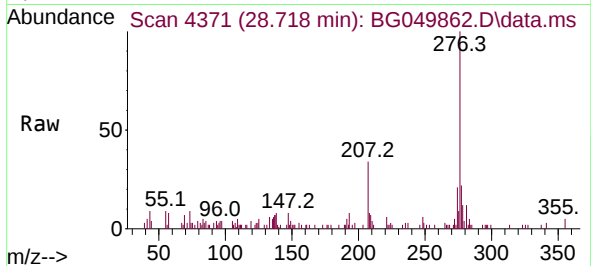




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.061 ng
 RT: 28.718 min Scan# 4371
 Delta R.T. -0.017 min
 Lab File: BG049862.D
 Acq: 16 Aug 2021 23:13

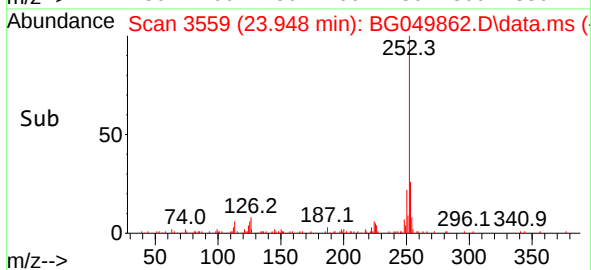
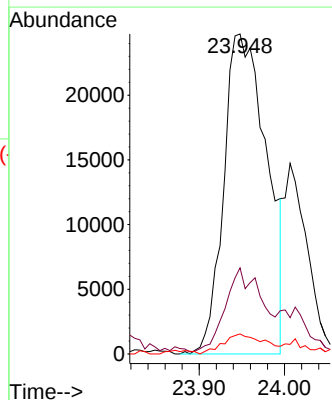
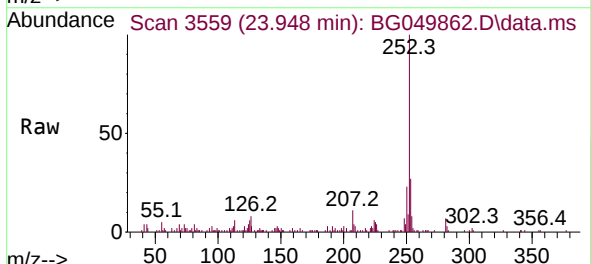
Instrument :
 BNA_G
 ClientSampled :
 TP2-1-6FT

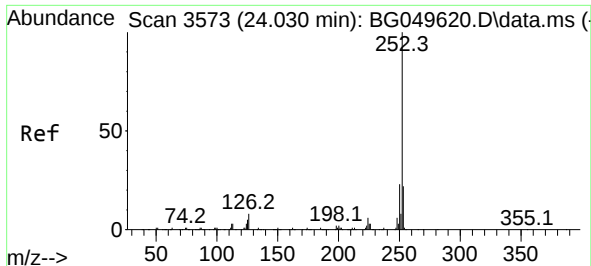
Tgt Ion:276 Resp: 25023
 Ion Ratio Lower Upper
 276 100
 138 4.3 5.1 7.7#
 277 46.9 19.8 29.6#



#88
 Benzo(b)fluoranthene
 Concen: 7.848 ng
 RT: 23.948 min Scan# 3559
 Delta R.T. -0.006 min
 Lab File: BG049862.D
 Acq: 16 Aug 2021 23:13

Tgt Ion:252 Resp: 86665
 Ion Ratio Lower Upper
 252 100
 253 26.9 16.2 24.4#
 125 6.3 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 8.414 ng

RT: 23.948 min Scan# 3559

Delta R.T. -0.070 min

Lab File: BG049862.D

Acq: 16 Aug 2021 23:13

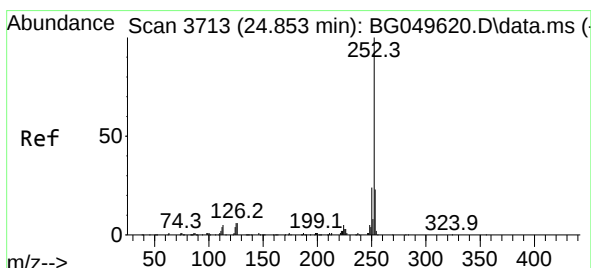
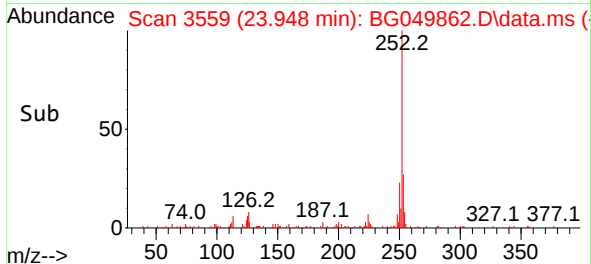
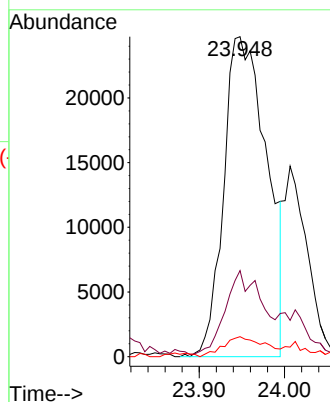
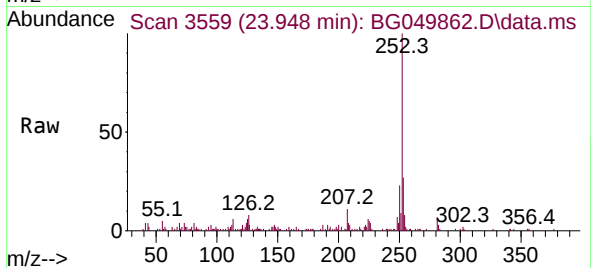
Instrument :

BNA_G

ClientSampleId :

TP2-1-6FT

Tgt Ion:252	Resp:	86665
Ion Ratio	Lower	Upper
252	100	
253	26.9	18.0 27.0
125	6.3	3.1 4.7#



#90

Benzo(a)pyrene

Concen: 5.950 ng

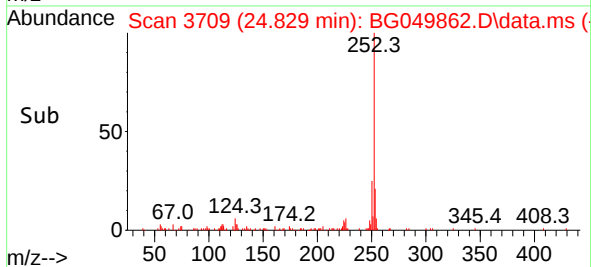
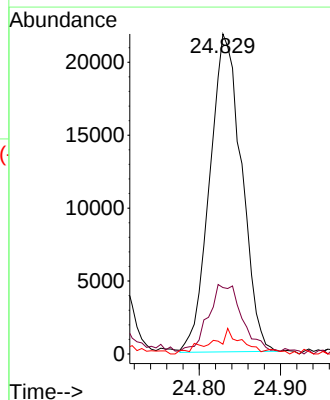
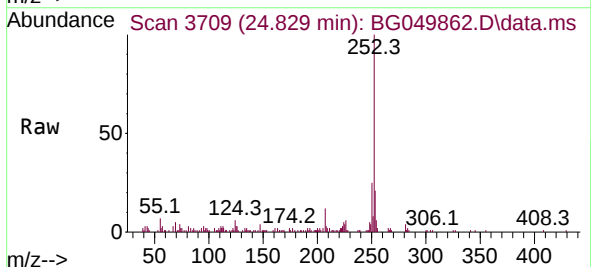
RT: 24.829 min Scan# 3709

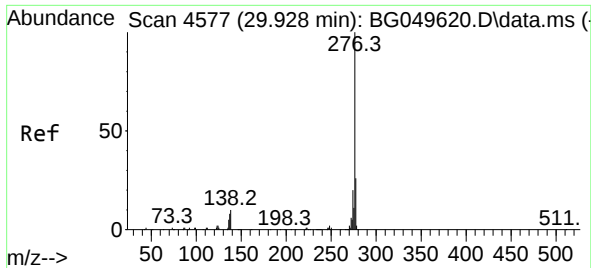
Delta R.T. -0.011 min

Lab File: BG049862.D

Acq: 16 Aug 2021 23:13

Tgt Ion:252	Resp:	59462
Ion Ratio	Lower	Upper
252	100	
253	20.8	16.6 25.0
125	3.1	3.5 5.3#





#92
Benzo(g,h,i)perylene
Concen: 4.640 ng
RT: 29.899 min Scan# 4572
Delta R.T. -0.017 min
Lab File: BG049862.D
Acq: 16 Aug 2021 23:13

Instrument :
BNA_G
ClientSampleId :
TP2-1-6FT

Tgt Ion:	276	Resp:	46519
Ion Ratio	Lower	Upper	
276	100		
277	22.4	18.4	27.6
138	8.6	7.0	10.6

