

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049858.D
 Acq On : 16 Aug 2021 20:28
 Operator : CG/JU
 Sample : M3407-23
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 28S

Quant Time: Aug 17 04:42:25 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)

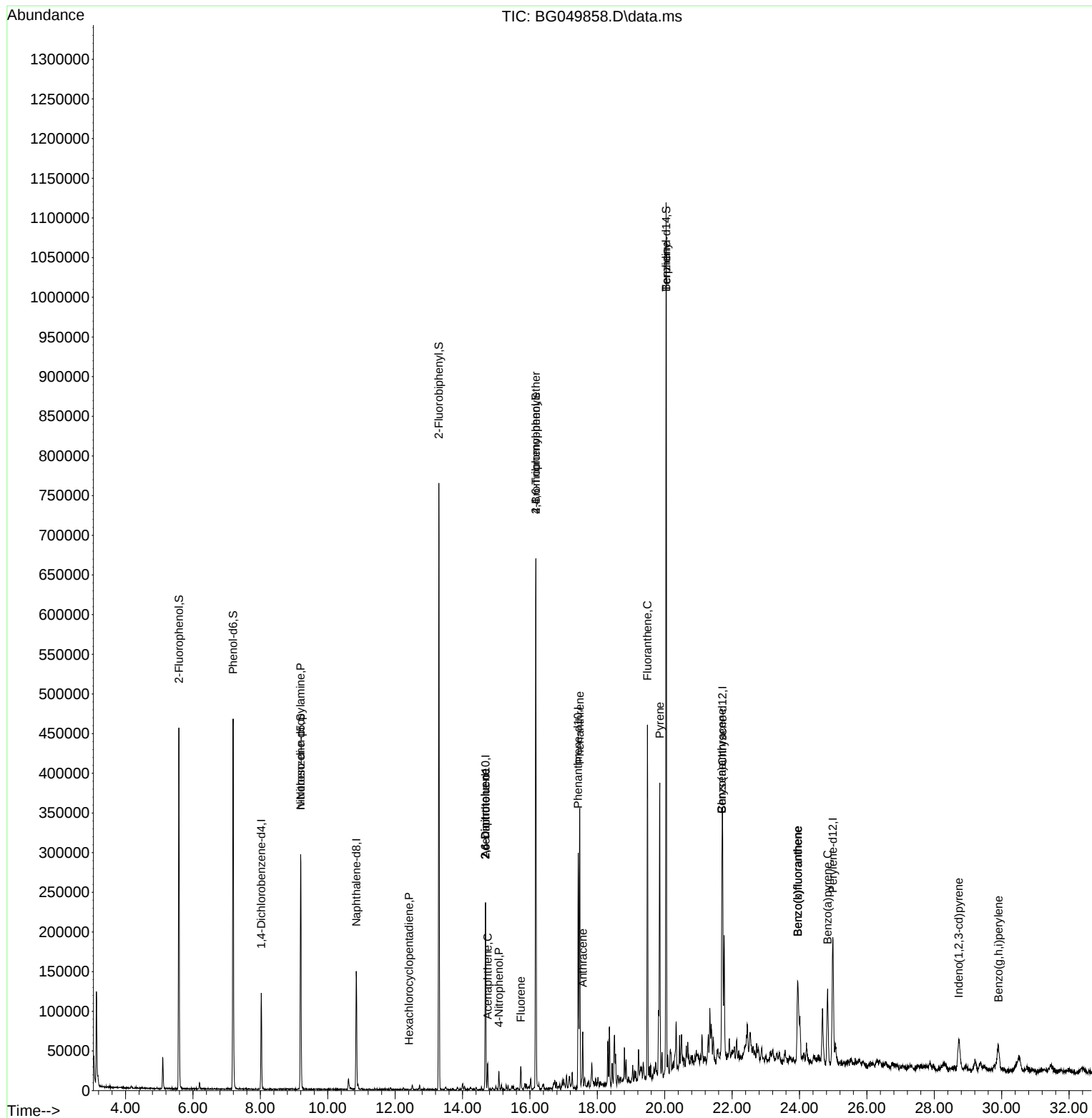
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.027	152	31858	20.000	ng	0.00
21) Naphthalene-d8	10.847	136	126721	20.000	ng	# 0.00
39) Acenaphthene-d10	14.683	164	88376	20.000	ng	0.00
64) Phenanthrene-d10	17.432	188	177784	20.000	ng	# 0.00
76) Chrysene-d12	21.715	240	159679	20.000	ng	# 0.00
86) Perylene-d12	24.987	264	170517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.584	112	186932	105.184	ng	0.00
7) Phenol-d6	7.193	99	259078	96.304	ng	0.00
23) Nitrobenzene-d5	9.197	82	188379	65.782	ng	0.00
42) 2,4,6-Tribromophenol	16.175	330	129449	99.652	ng	0.00
45) 2-Fluorobiphenyl	13.297	172	379206	62.435	ng	0.00
79) Terphenyl-d14	20.041	244	513983	58.461	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.197	70	27057	15.030	ng	# 76
41) Hexachlorocyclopentadiene	12.410	237	90	3.601	ng	# 31
51) 2,6-Dinitrotoluene	14.677	165	12276	8.362	ng	# 11
52) Acenaphthene	14.748	154	11557	2.408	ng	89
56) 4-Nitrophenol	15.083	139	4932	4.715	ng	# 1
57) 2,4-Dinitrotoluene	14.677	165	12276	5.954	ng	# 16
58) Fluorene	15.729	166	13762	2.174	ng	98
67) 4-Bromophenyl-phenylether	16.175	248	7597	3.628	ng	# 1
71) Phenanthrene	17.479	178	225516	24.110	ng	96
72) Anthracene	17.568	178	48180	5.245	ng	96
75) Fluoranthene	19.488	202	280720	24.389	ng	97
77) Benzidine	20.041	184	10252	2.506	ng	# 96
78) Pyrene	19.853	202	244024	22.416	ng	98
81) Benzo(a)anthracene	21.697	228	122064	11.738	ng	97
83) Chrysene	21.697	228	122064	12.280	ng	96
87) Indeno(1,2,3-cd)pyrene	28.723	276	72062	5.860	ng	98
88) Benzo(b)fluoranthene	23.947	252	138350	12.371	ng	# 98
89) Benzo(k)fluoranthene	23.947	252	138350	13.263	ng	# 96
90) Benzo(a)pyrene	24.834	252	106403	10.513	ng	# 89
92) Benzo(g,h,i)perylene	29.904	276	69392	6.835	ng	94

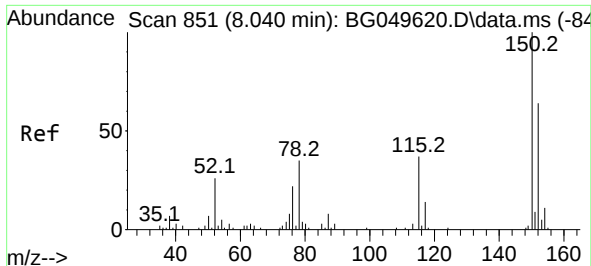
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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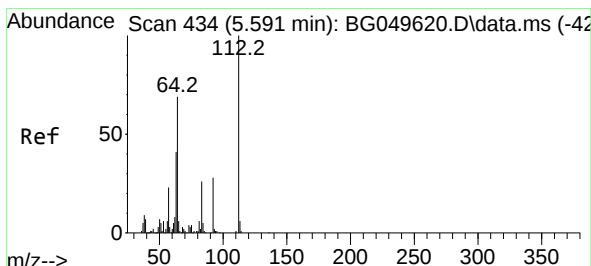
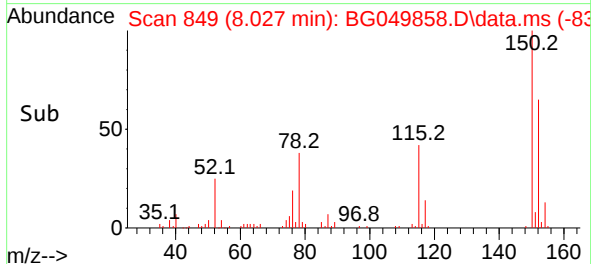
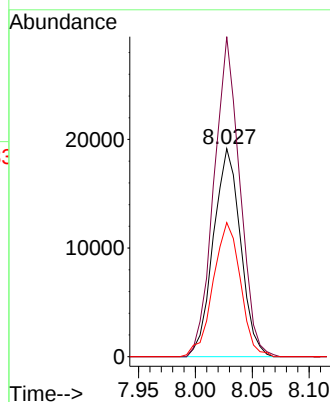
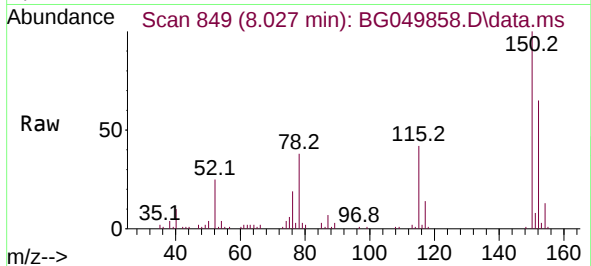




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.027 min Scan# 849
Delta R.T. -0.001 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

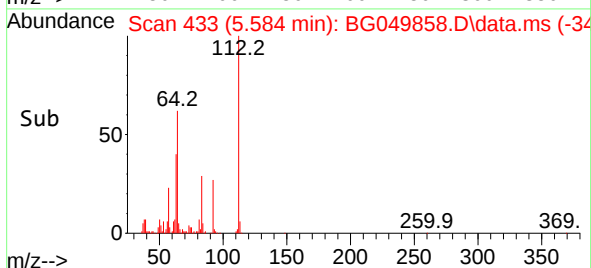
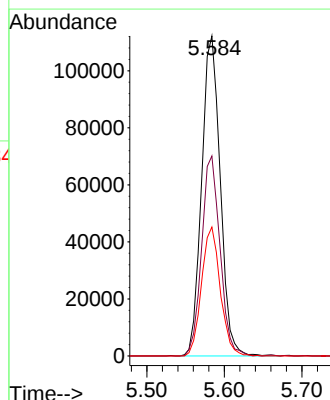
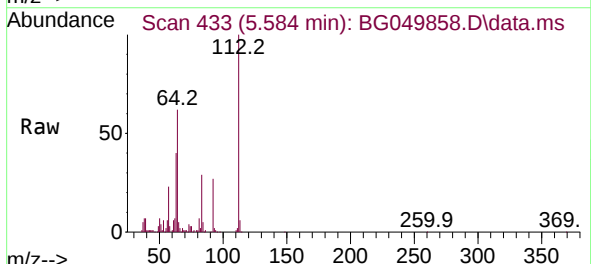
Instrument :
BNA_G
ClientSampleId :
28S

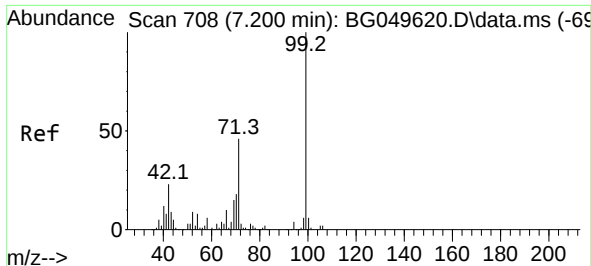
Tgt Ion:152 Resp: 31858
Ion Ratio Lower Upper
152 100
150 153.8 119.4 179.0
115 64.5 60.2 90.4



#5
2-Fluorophenol
Concen: 105.184 ng
RT: 5.584 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

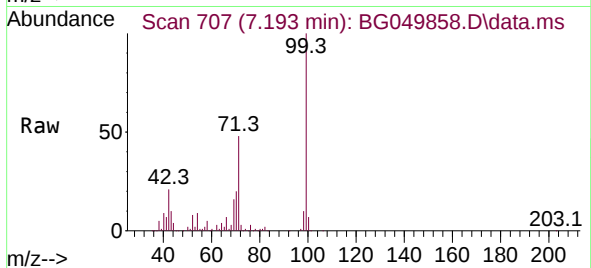
Tgt Ion:112 Resp: 186932
Ion Ratio Lower Upper
112 100
64 62.5 46.7 70.1
63 40.3 35.3 52.9



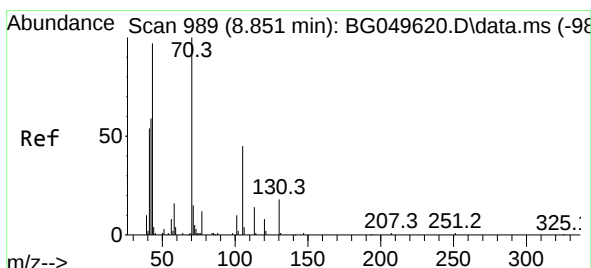
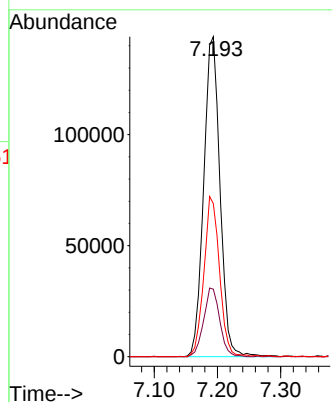
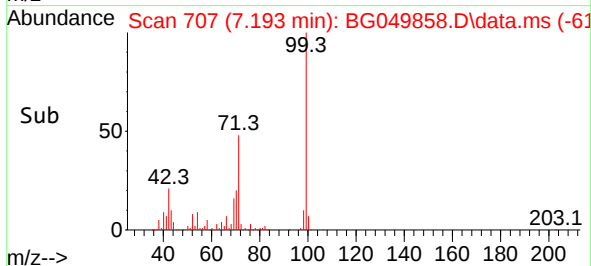


#7
Phenol-d6
Concen: 96.304 ng
RT: 7.193 min Scan# 707
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

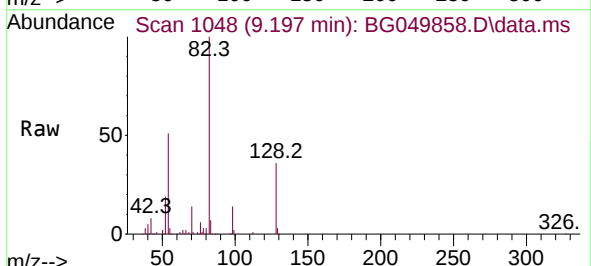
Instrument :
BNA_G
ClientSampleId :
28S



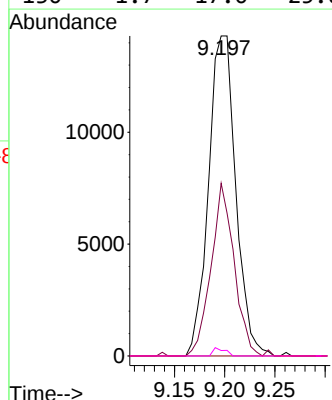
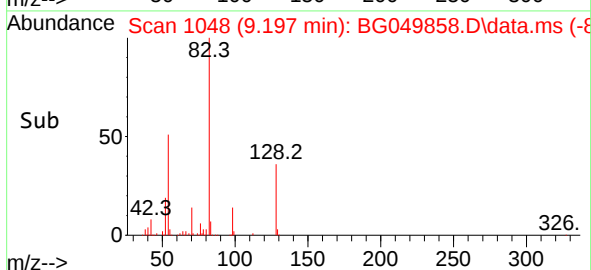
Tgt Ion: 99 Resp: 259078
Ion Ratio Lower Upper
99 100
42 21.1 20.5 30.7
71 47.8 41.5 62.3

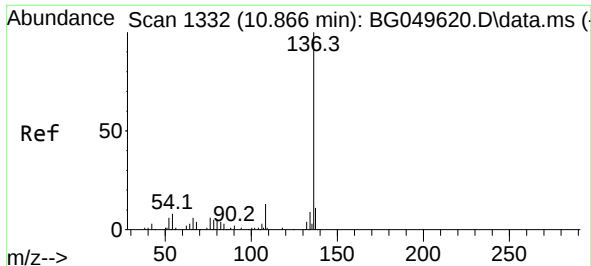


#19
n-Nitroso-di-n-propylamine
Concen: 15.030 ng
RT: 9.197 min Scan# 1048
Delta R.T. 0.358 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



Tgt Ion: 70 Resp: 27057
Ion Ratio Lower Upper
70 100
42 54.0 54.5 81.7#
101 0.0 9.0 13.6#
130 1.7 17.0 25.6#

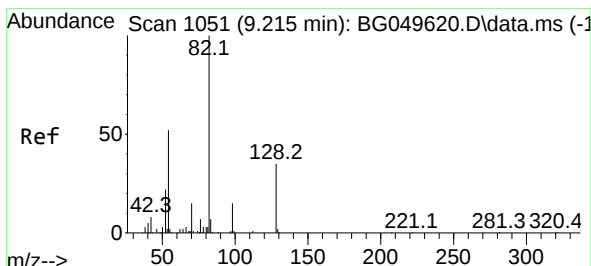
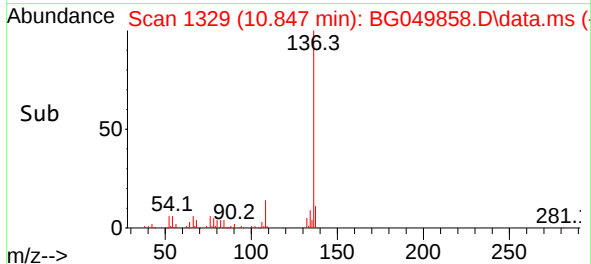
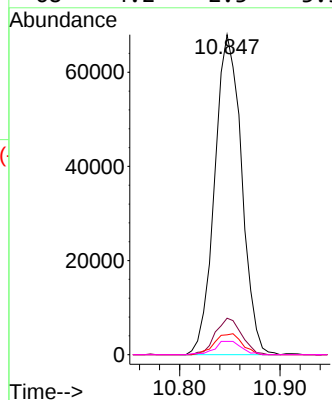
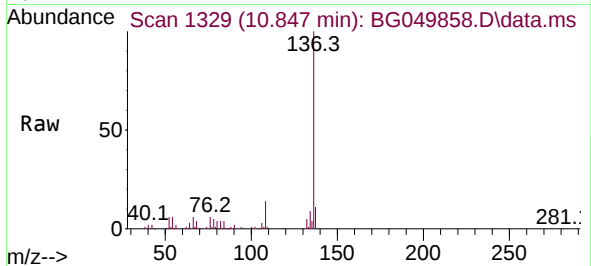




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.847 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

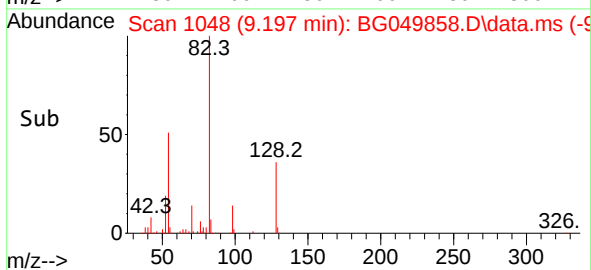
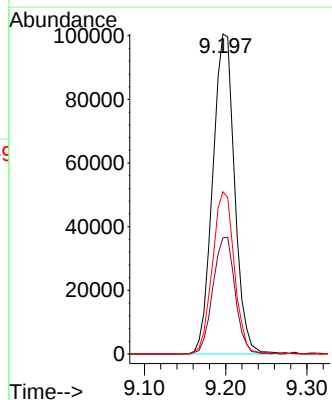
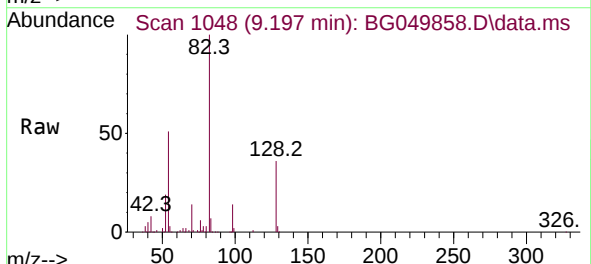
Instrument :
BNA_G
ClientSampleId :
28S

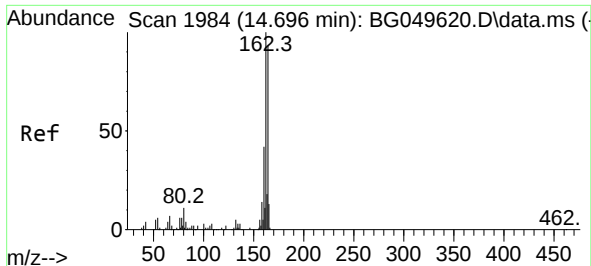
Tgt Ion:	136	Resp:	126721
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.2	12.2
54	6.2	5.5	8.3
68	4.2	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 65.782 ng
RT: 9.197 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:	82	Resp:	188379
Ion Ratio	Lower	Upper	
82	100		
128	36.3	29.8	44.6
54	50.7	45.8	68.8

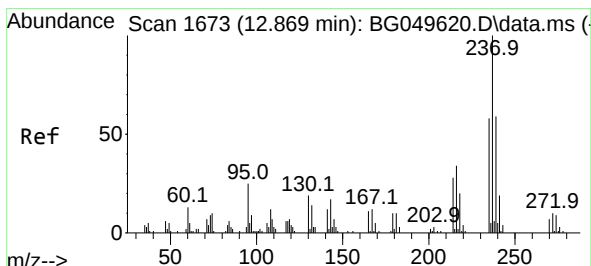
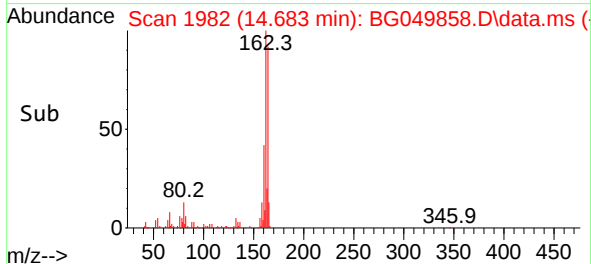
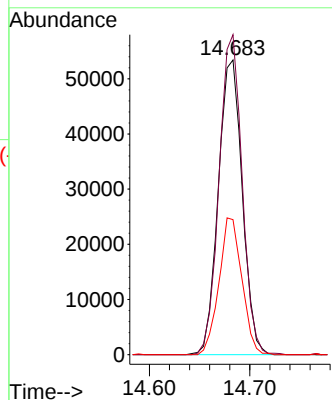
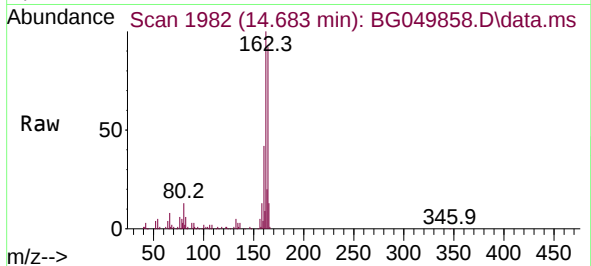




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.683 min Scan# 1982
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

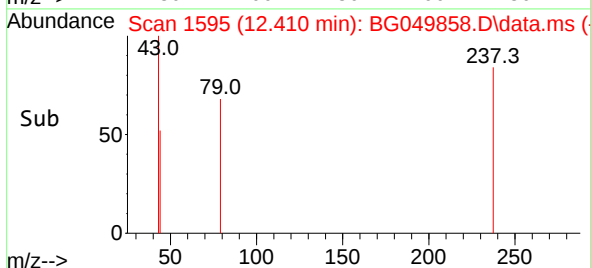
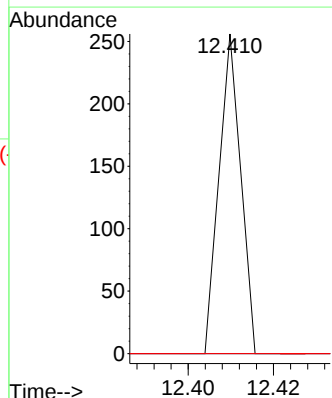
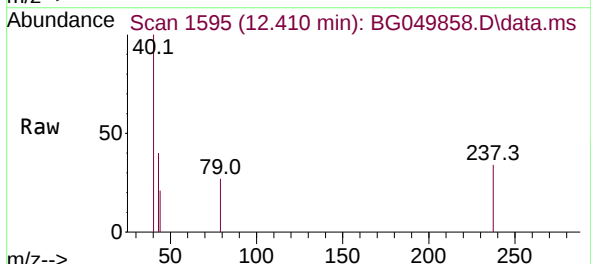
Instrument :
BNA_G
ClientSampled :
28S

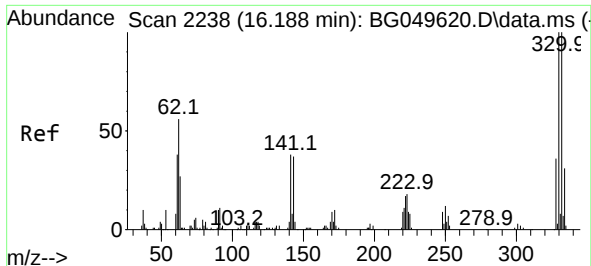
Tgt Ion:164 Resp: 88376
Ion Ratio Lower Upper
164 100
162 108.6 81.4 122.0
160 45.8 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 3.601 ng
RT: 12.410 min Scan# 1595
Delta R.T. -0.441 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:237 Resp: 90
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5

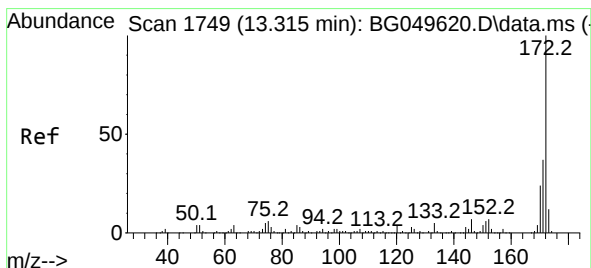
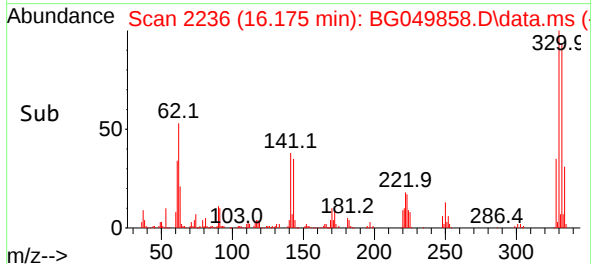
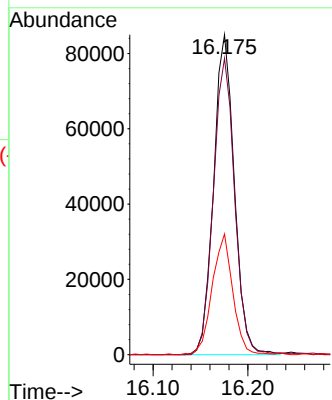
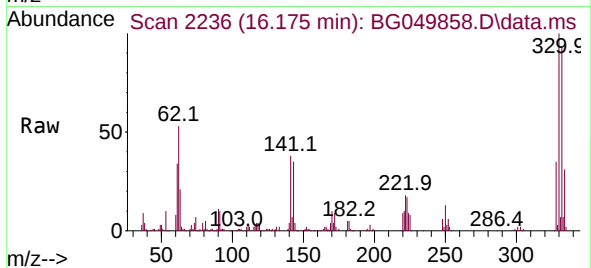




#42
2,4,6-Tribromophenol
Concen: 99.652 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

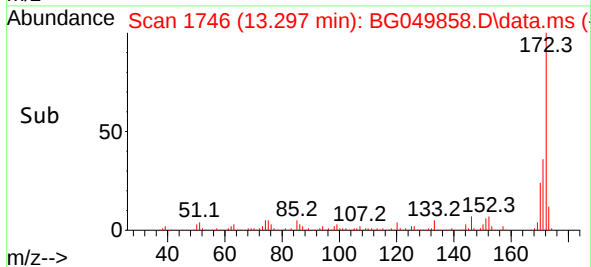
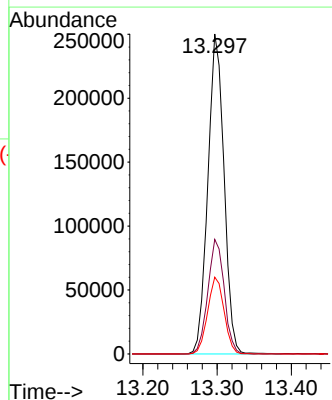
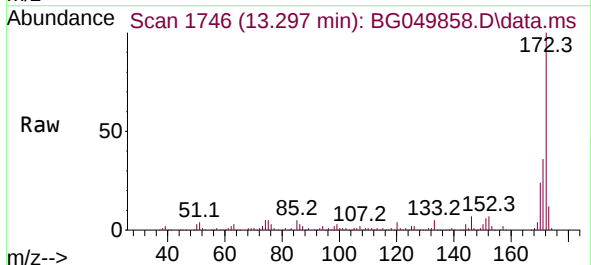
Instrument :
BNA_G
ClientSampled :
28S

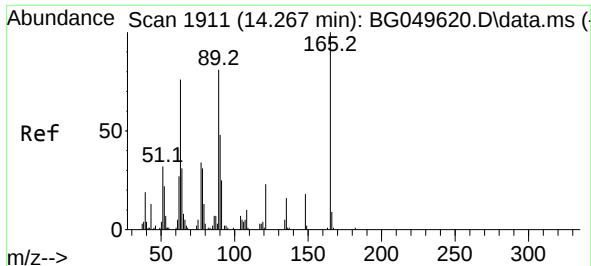
Tgt Ion:330 Resp: 129449
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 37.5 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 62.435 ng
RT: 13.297 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:172 Resp: 379206
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.0 18.6 27.8

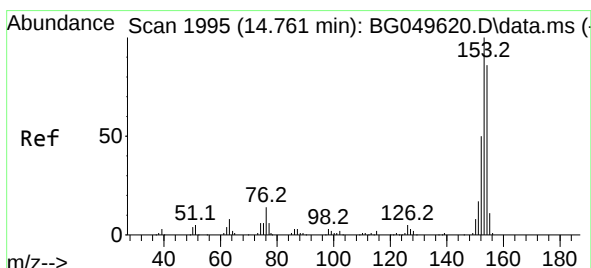
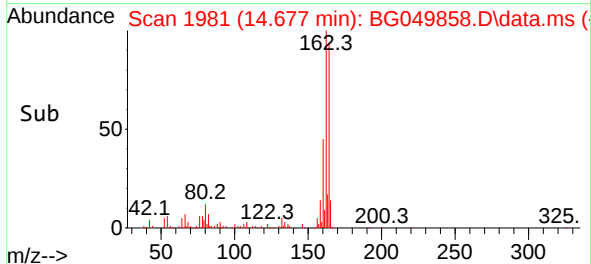
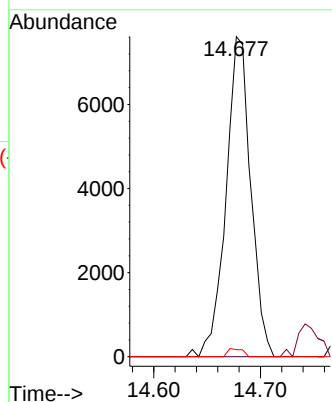
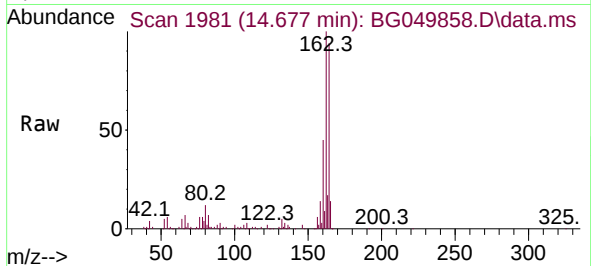




#51
2,6-Dinitrotoluene
Concen: 8.362 ng
RT: 14.677 min Scan# 1981
Delta R.T. 0.423 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

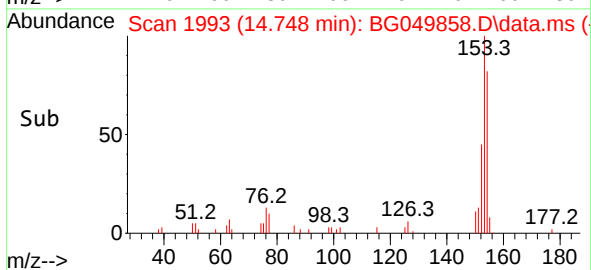
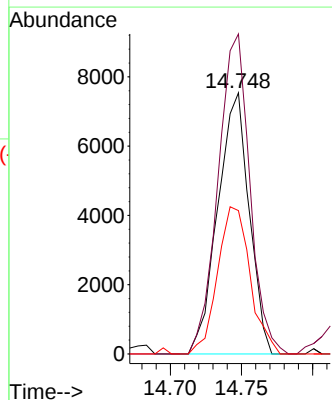
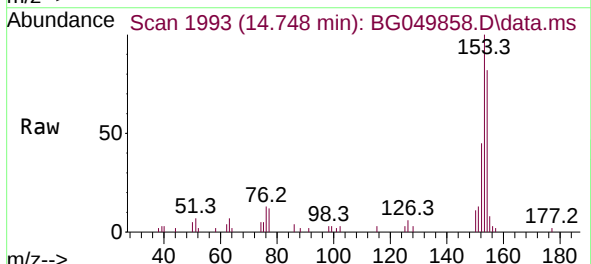
Instrument :
BNA_G
ClientSampled :
28S

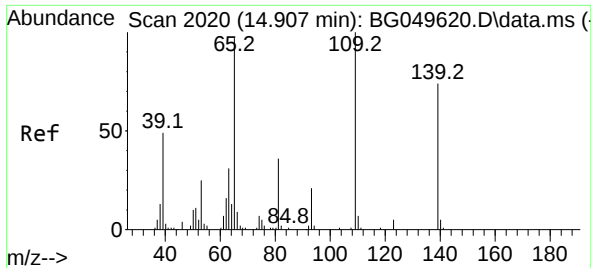
Tgt Ion:165 Resp: 12276
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.2 63.4 95.0#



#52
Acenaphthene
Concen: 2.408 ng
RT: 14.748 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:154 Resp: 11557
Ion Ratio Lower Upper
154 100
153 122.5 87.0 130.4
152 54.9 40.1 60.1

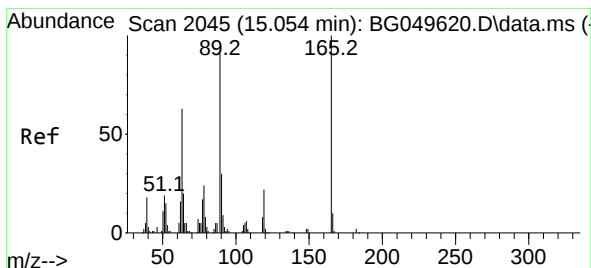
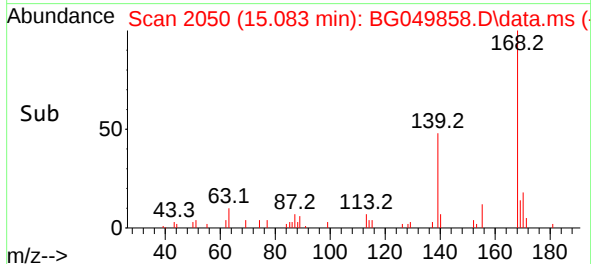
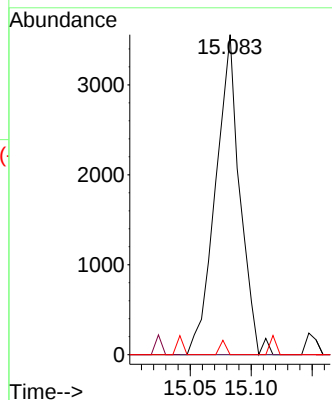
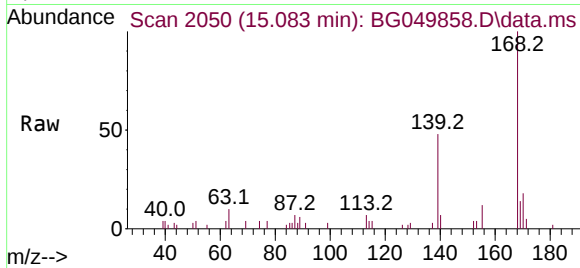




#56
4-Nitrophenol
Concen: 4.715 ng
RT: 15.083 min Scan# 2050
Delta R.T. 0.170 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

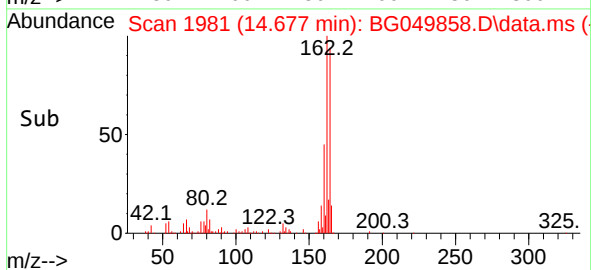
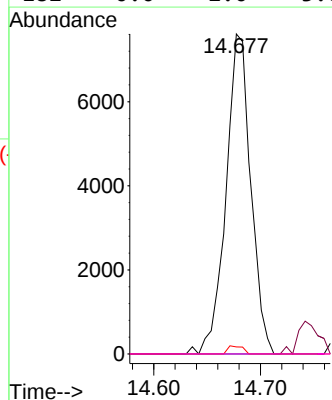
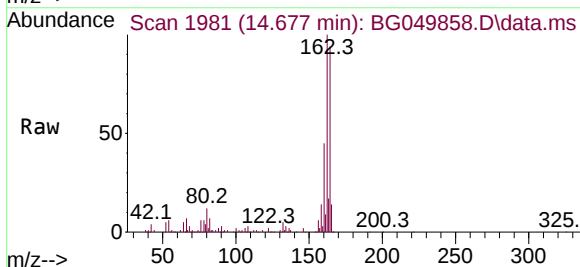
Instrument :
BNA_G
ClientSampled :
28S

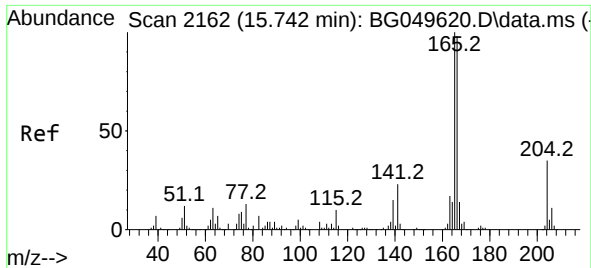
Tgt Ion:139 Resp: 4932
Ion Ratio Lower Upper
139 100
109 0.0 116.3 156.3#
65 0.0 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 5.954 ng
RT: 14.677 min Scan# 1981
Delta R.T. -0.371 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

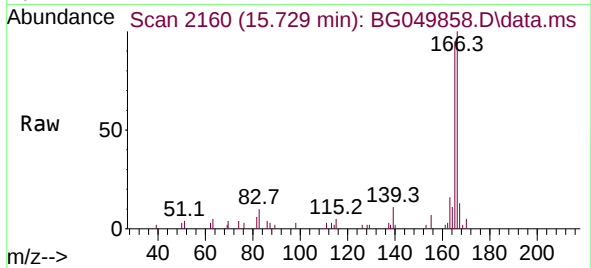
Tgt Ion:165 Resp: 12276
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 2.2 65.4 98.0#
182 0.0 2.0 3.0#



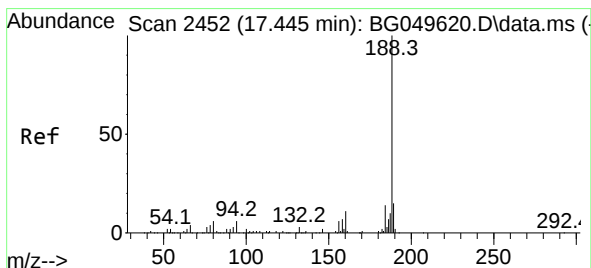
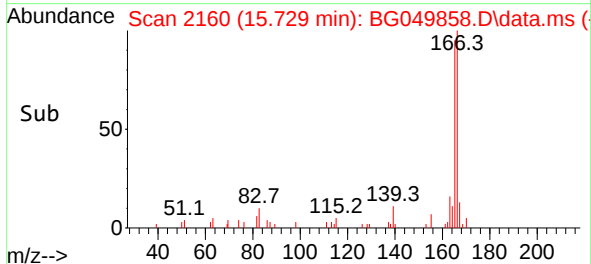
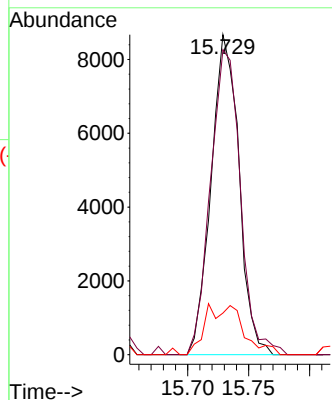


#58
Fluorene
Concen: 2.174 ng
RT: 15.729 min Scan# 2160
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Instrument :
BNA_G
ClientSampleId :
28S

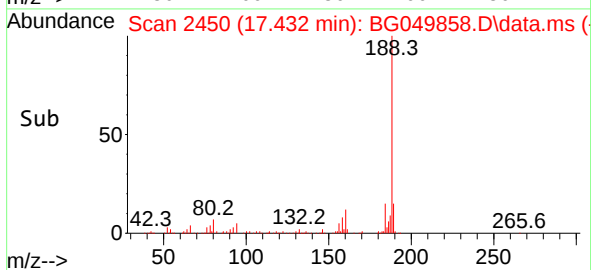
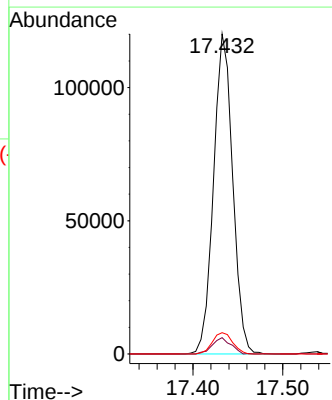
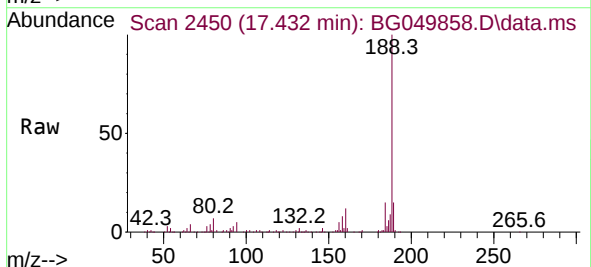


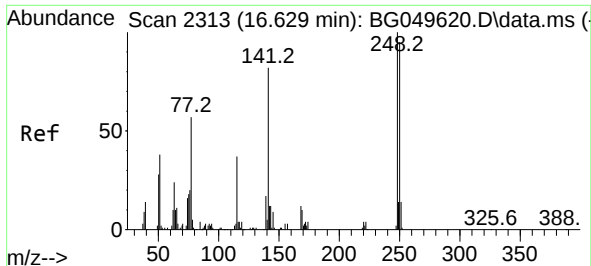
Tgt Ion:166 Resp: 13762
Ion Ratio Lower Upper
166 100
165 95.3 77.7 116.5
167 13.0 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.432 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

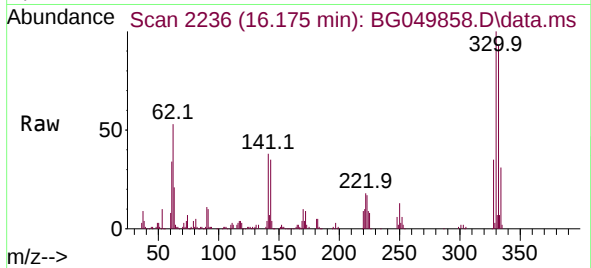
Tgt Ion:188 Resp: 177784
Ion Ratio Lower Upper
188 100
94 5.1 5.4 8.0#
80 6.7 3.7 5.5#



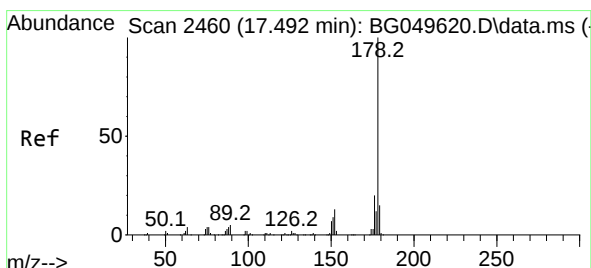
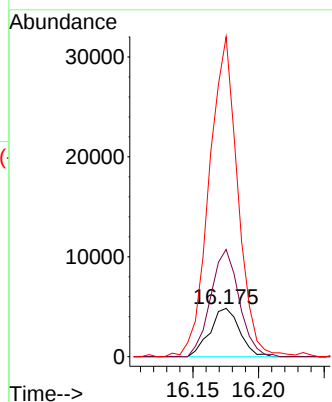
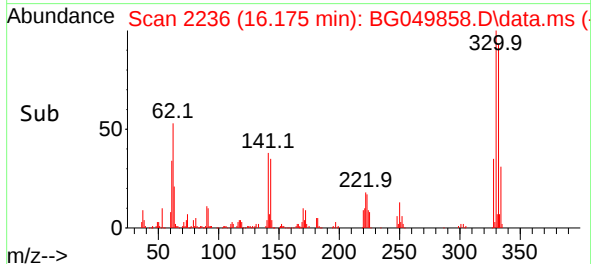


#67
4-Bromophenyl-phenylether
Concen: 3.628 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.441 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

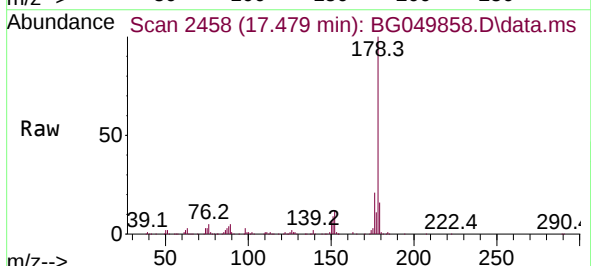
Instrument :
BNA_G
ClientSampled :
28S



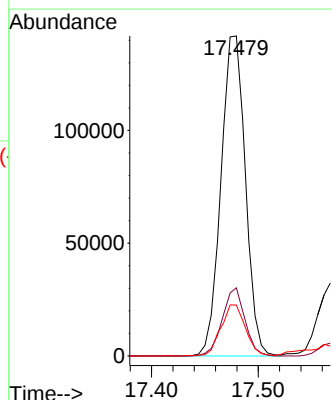
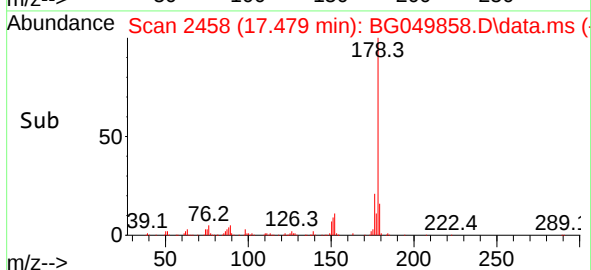
Tgt Ion:248 Resp: 7597
Ion Ratio Lower Upper
248 100
250 221.9 76.1 114.1#
141 662.4 65.4 98.2#

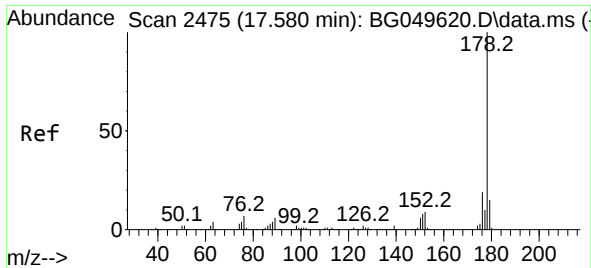


#71
Phenanthrene
Concen: 24.110 ng
RT: 17.479 min Scan# 2458
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



Tgt Ion:178 Resp: 225516
Ion Ratio Lower Upper
178 100
176 21.3 16.0 24.0
179 15.9 14.2 21.4

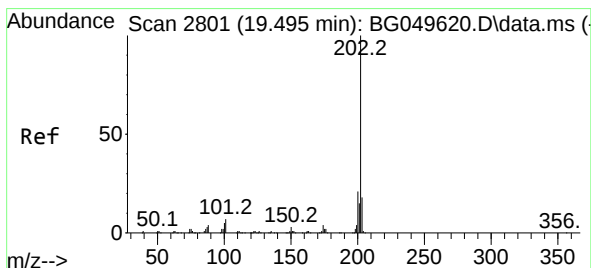
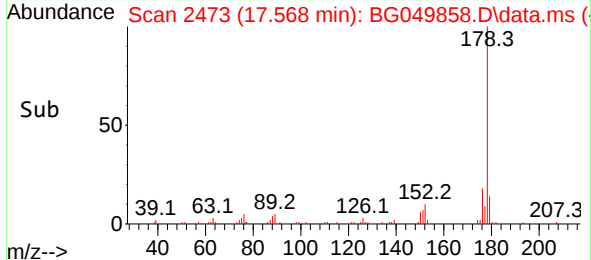
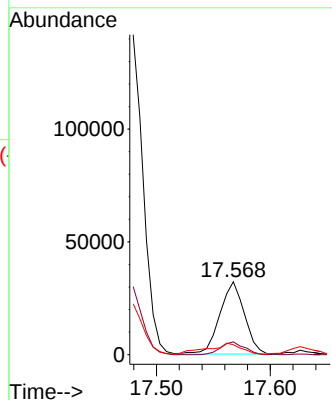
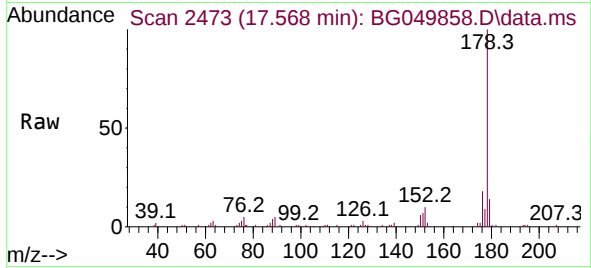




#72
 Anthracene
 Concen: 5.245 ng
 RT: 17.568 min Scan# 2473
 Delta R.T. -0.000 min
 Lab File: BG049858.D
 Acq: 16 Aug 2021 20:28

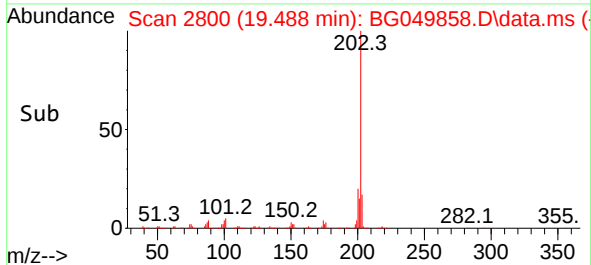
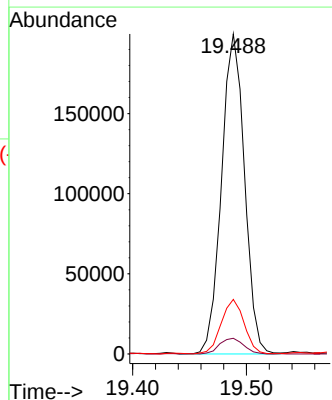
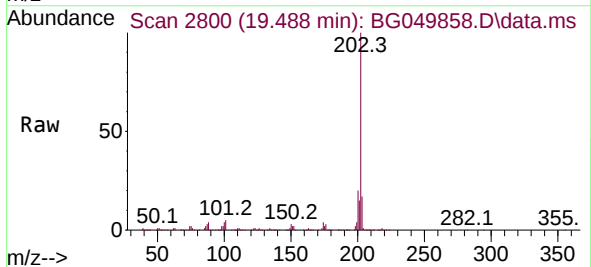
Instrument :
 BNA_G
 ClientSampled :
 28S

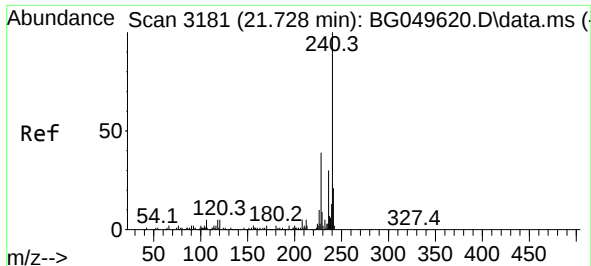
Tgt Ion:178 Resp: 48180
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.6 21.8
 179 13.7 13.4 20.0



#75
 Fluoranthene
 Concen: 24.389 ng
 RT: 19.488 min Scan# 2800
 Delta R.T. -0.000 min
 Lab File: BG049858.D
 Acq: 16 Aug 2021 20:28

Tgt Ion:202 Resp: 280720
 Ion Ratio Lower Upper
 202 100
 101 4.9 0.0 24.7
 203 17.0 0.0 38.5

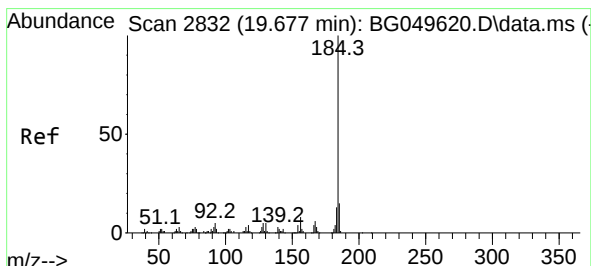
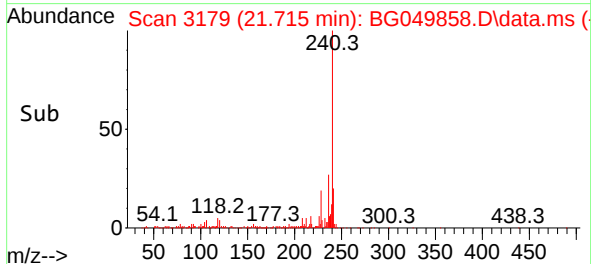
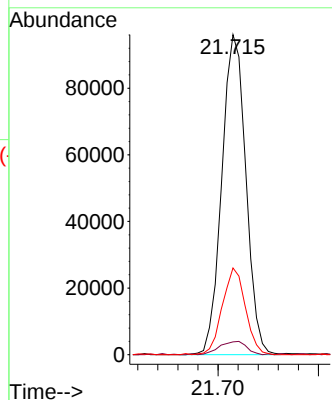
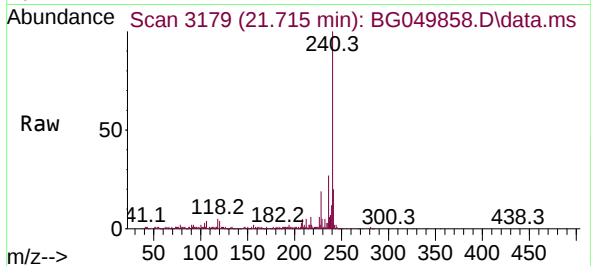




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.715 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

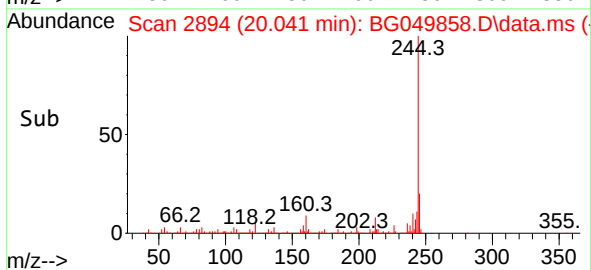
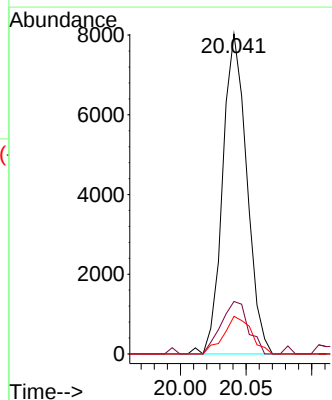
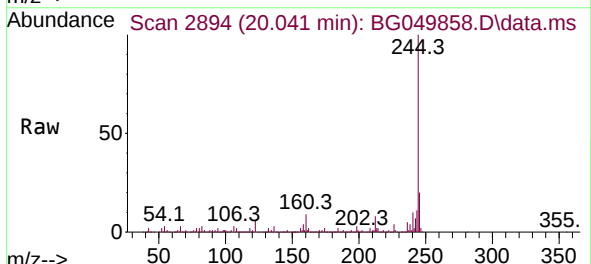
Instrument :
BNA_G
ClientSampled :
28S

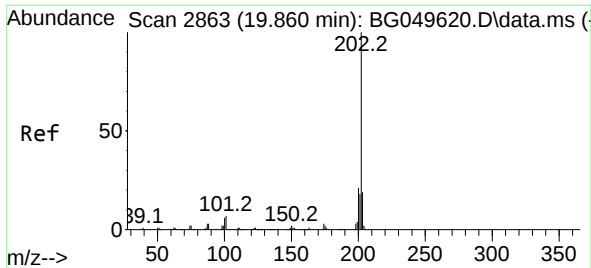
Tgt Ion:240 Resp: 159679
Ion Ratio Lower Upper
240 100
120 4.0 4.2 6.2#
236 27.1 21.8 32.6



#77
Benzidine
Concen: 2.506 ng
RT: 20.041 min Scan# 2894
Delta R.T. 0.376 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:184 Resp: 10252
Ion Ratio Lower Upper
184 100
185 16.4 10.7 16.1#
183 11.8 9.4 14.0

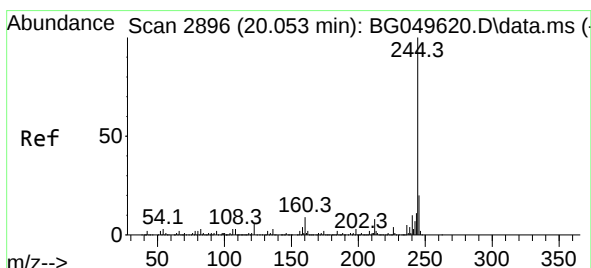
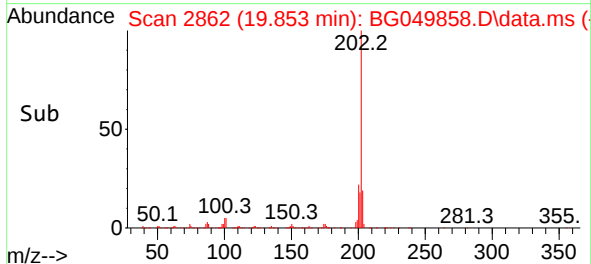
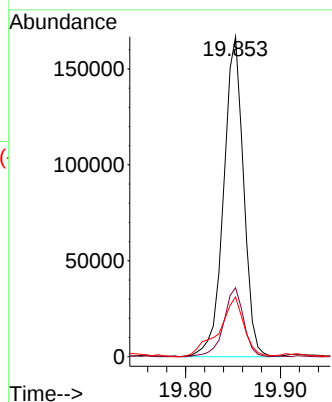
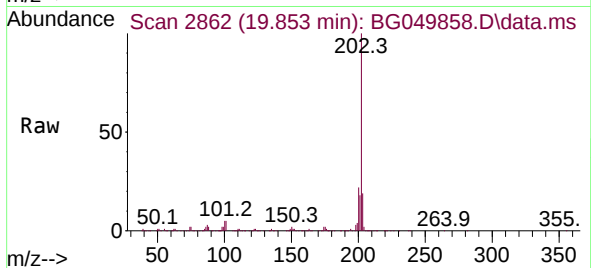




#78
Pyrene
Concen: 22.416 ng
RT: 19.853 min Scan# 2862
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

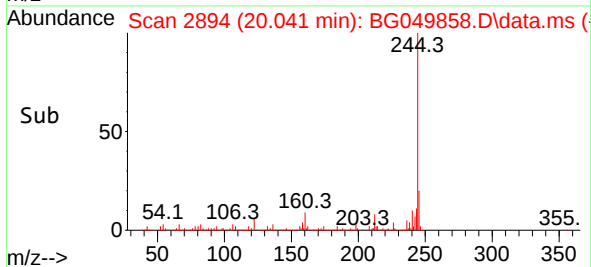
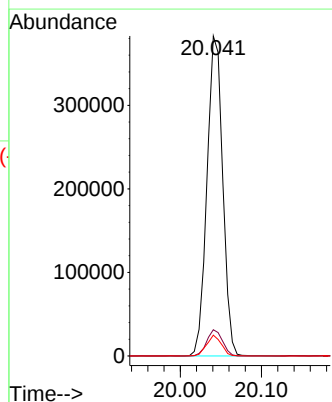
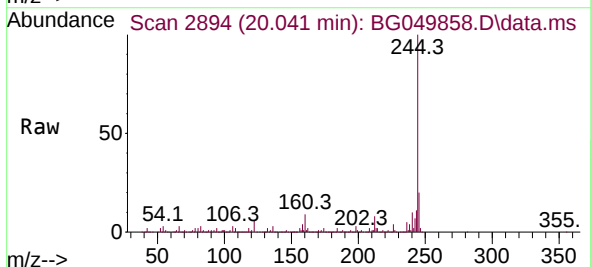
Instrument :
BNA_G
ClientSampleId :
28S

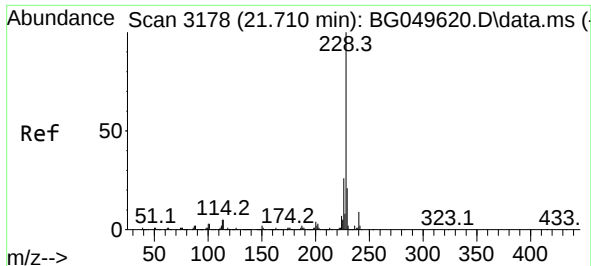
Tgt Ion:	202	Resp:	244024
Ion Ratio	Lower	Upper	
202	100		
200	21.6	15.8	23.8
203	18.6	14.6	21.8



#79
Terphenyl-d14
Concen: 58.461 ng
RT: 20.041 min Scan# 2894
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:	244	Resp:	513983
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.9	10.3
122	6.5	5.0	7.6

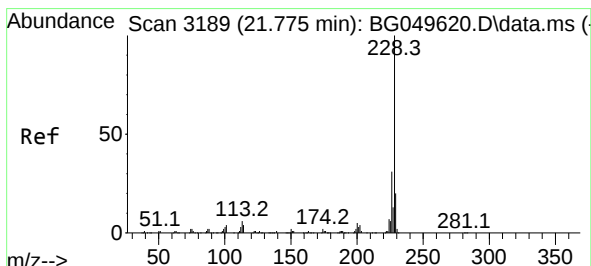
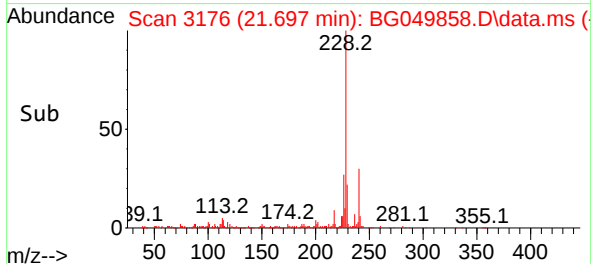
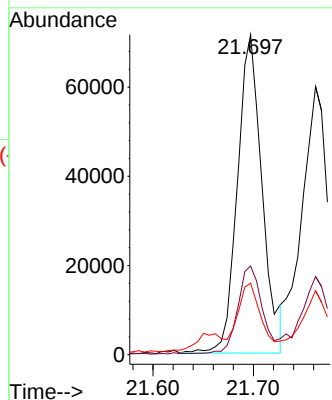
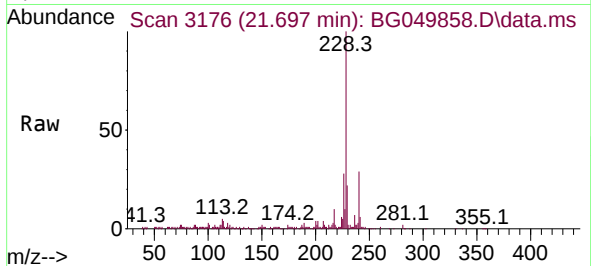




#81
Benzo(a)anthracene
Concen: 11.738 ng
RT: 21.697 min Scan# 3176
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

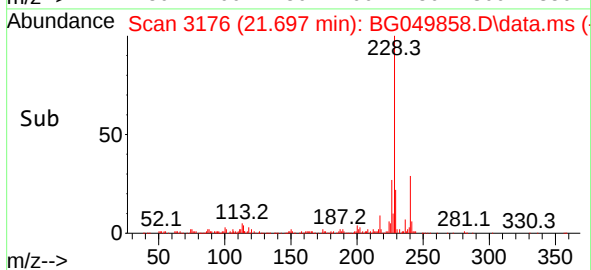
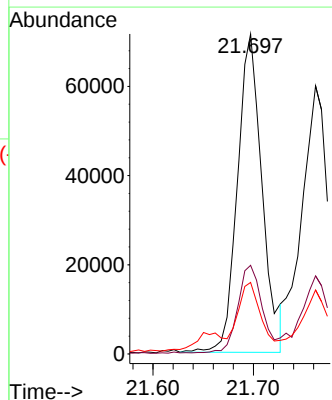
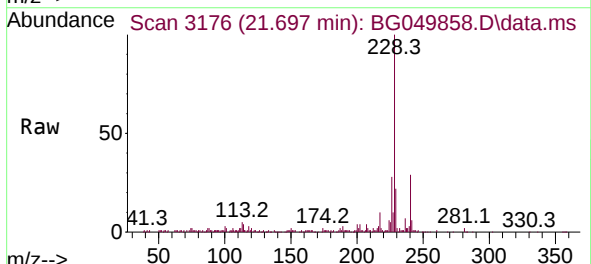
Instrument :
BNA_G
ClientSampleId :
28S

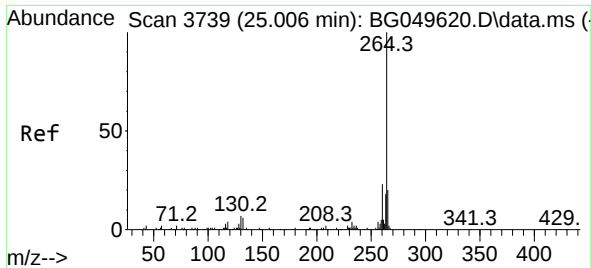
Tgt Ion:228 Resp: 122064
Ion Ratio Lower Upper
228 100
226 27.7 22.7 34.1
229 22.3 16.0 24.0



#83
Chrysene
Concen: 12.280 ng
RT: 21.697 min Scan# 3176
Delta R.T. -0.071 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:228 Resp: 122064
Ion Ratio Lower Upper
228 100
226 27.7 23.1 34.7
229 22.3 15.3 22.9

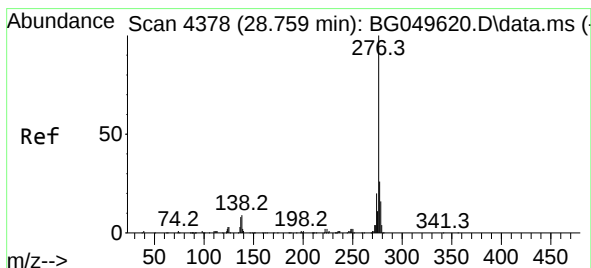
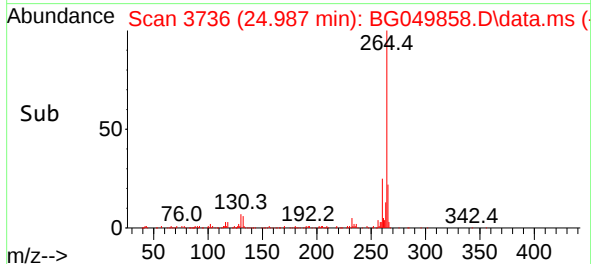
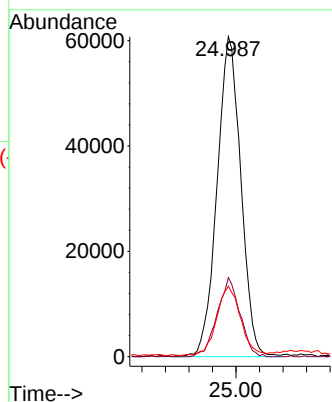
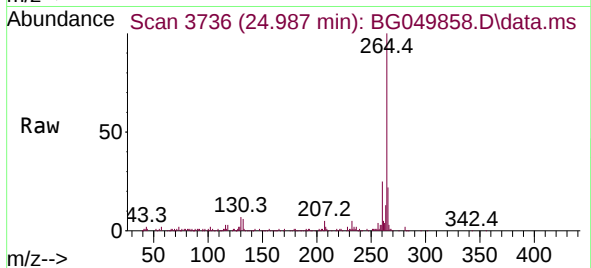




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.987 min Scan# 3736
 Delta R.T. -0.000 min
 Lab File: BG049858.D
 Acq: 16 Aug 2021 20:28

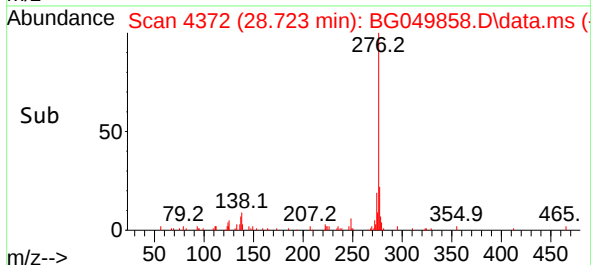
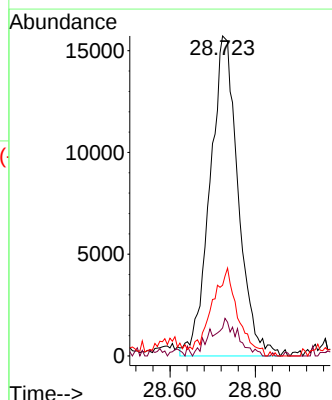
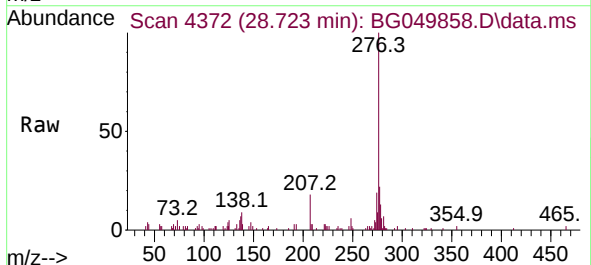
Instrument :
 BNA_G
 ClientSampled :
 28S

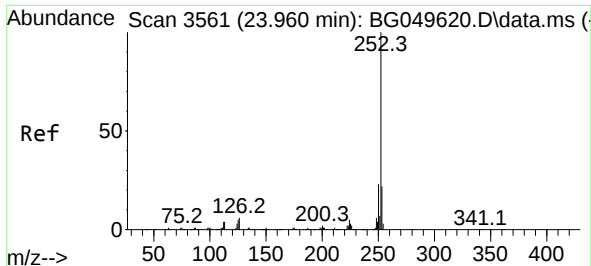
Tgt Ion:264 Resp: 170517
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.4 29.2
 265 22.0 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.860 ng
 RT: 28.723 min Scan# 4372
 Delta R.T. -0.012 min
 Lab File: BG049858.D
 Acq: 16 Aug 2021 20:28

Tgt Ion:276 Resp: 72062
 Ion Ratio Lower Upper
 276 100
 138 7.7 5.1 7.7
 277 25.4 19.8 29.6

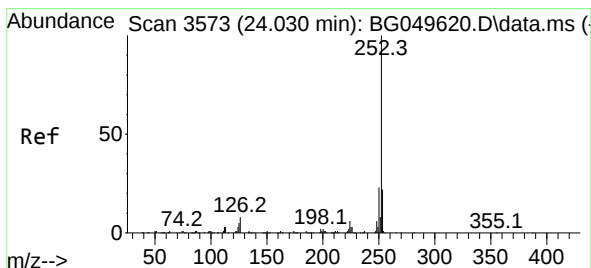
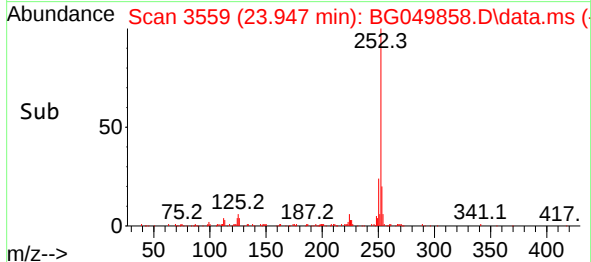
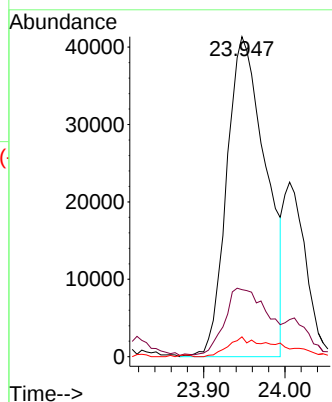
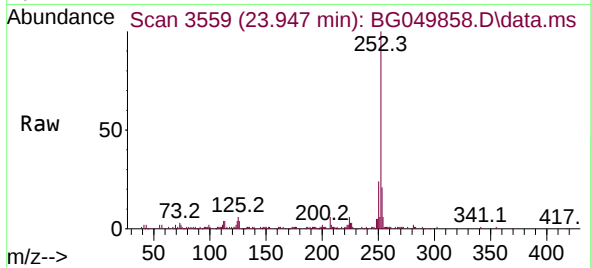




#88
Benzo(b)fluoranthene
Concen: 12.371 ng
RT: 23.947 min Scan# 3559
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

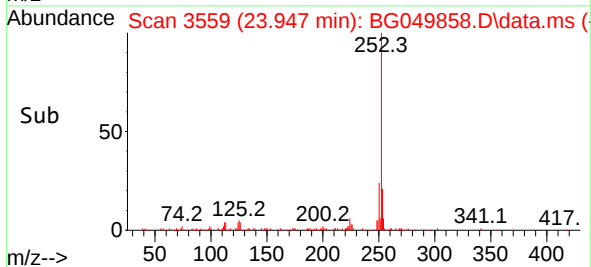
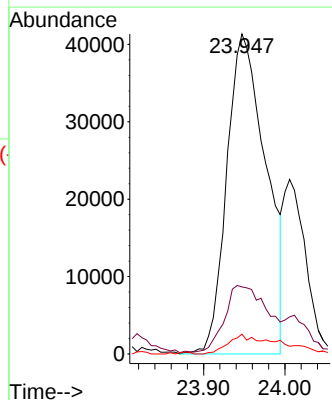
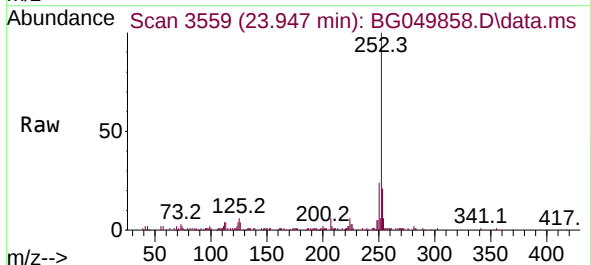
Instrument :
BNA_G
ClientSampleId :
28S

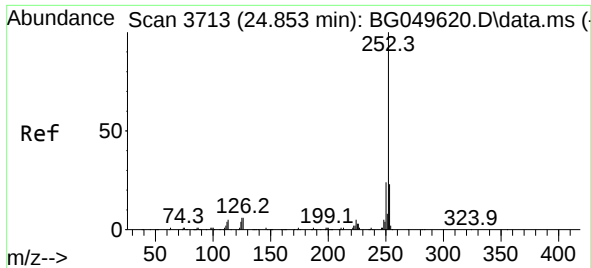
Tgt Ion:252 Resp: 138350
Ion Ratio Lower Upper
252 100
253 21.0 16.2 24.4
125 6.2 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 13.263 ng
RT: 23.947 min Scan# 3559
Delta R.T. -0.071 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:252 Resp: 138350
Ion Ratio Lower Upper
252 100
253 21.0 18.0 27.0
125 6.2 3.1 4.7#

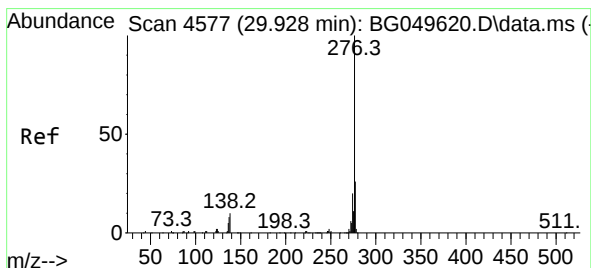
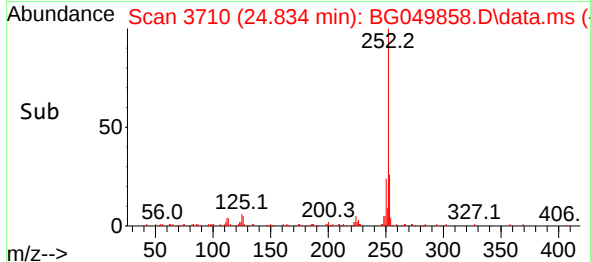
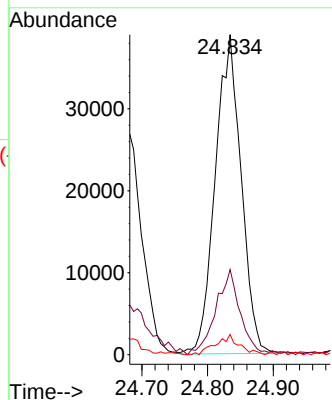
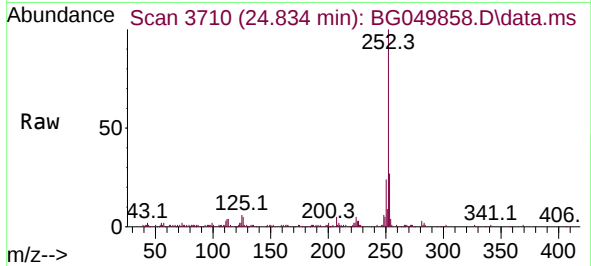




#90
Benzo(a)pyrene
Concen: 10.513 ng
RT: 24.834 min Scan# 3710
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Instrument :
BNA_G
ClientSampleId :
28S

Tgt Ion:252 Resp: 106403
Ion Ratio Lower Upper
252 100
253 26.6 16.6 25.0#
125 6.3 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 6.835 ng
RT: 29.904 min Scan# 4573
Delta R.T. -0.012 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:276 Resp: 69392
Ion Ratio Lower Upper
276 100
277 19.5 18.4 27.6
138 8.3 7.0 10.6

