

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049865.D
 Acq On : 17 Aug 2021 1:17
 Operator : CG/JU
 Sample : M3407-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 26N

Quant Time: Aug 17 04:44:30 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)

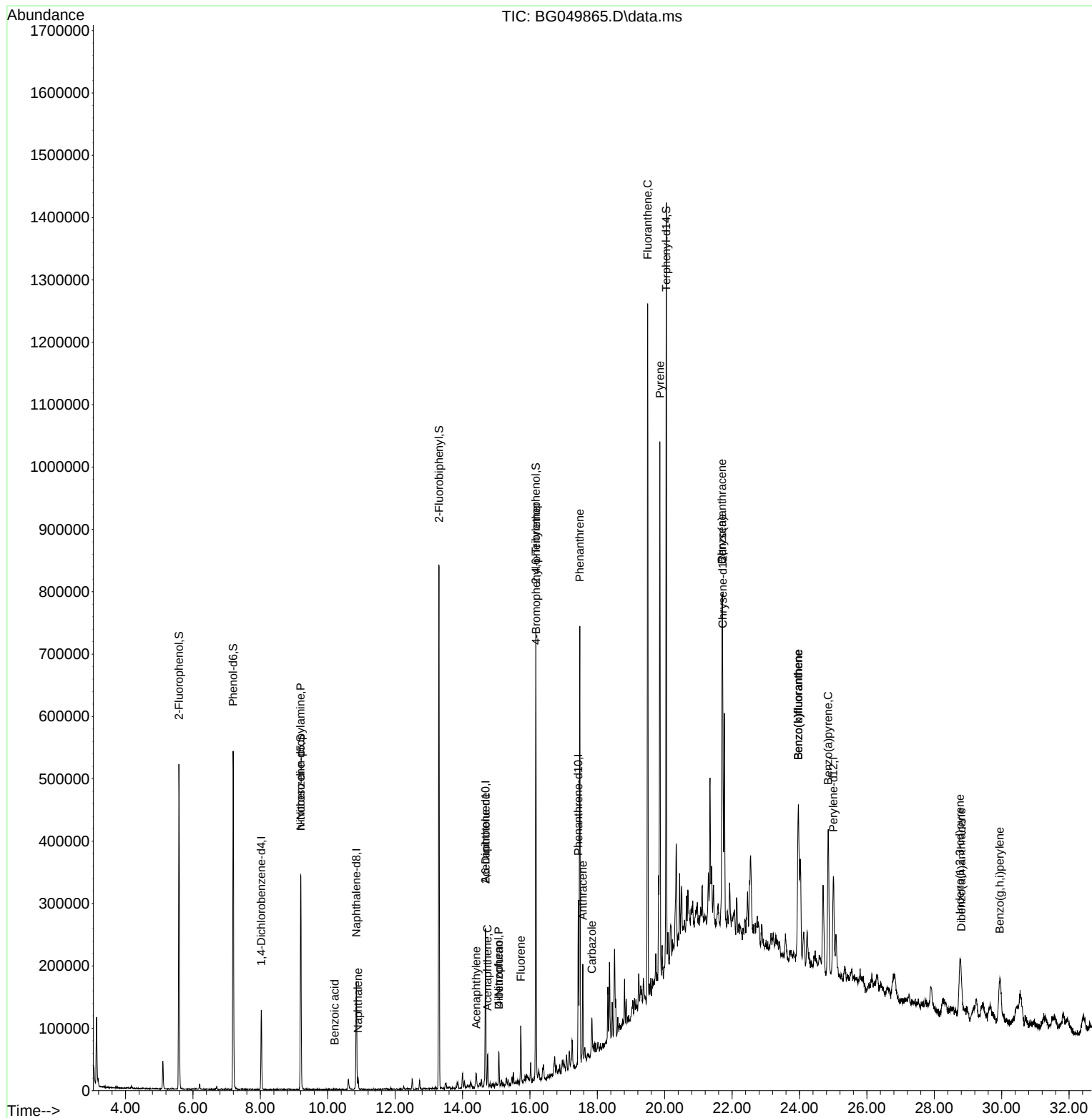
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.028	152	34057	20.000	ng	# 0.00
21) Naphthalene-d8	10.847	136	142242	20.000	ng	# 0.00
39) Acenaphthene-d10	14.683	164	90041	20.000	ng	0.00
64) Phenanthrene-d10	17.438	188	169201	20.000	ng	# 0.00
76) Chrysene-d12	21.721	240	149510	20.000	ng	0.00
86) Perylene-d12	25.005	264	159228	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.584	112	213114	112.174	ng	0.00
7) Phenol-d6	7.193	99	294359	102.354	ng	0.00
23) Nitrobenzene-d5	9.197	82	219459	68.273	ng	0.00
42) 2,4,6-Tribromophenol	16.175	330	131975	99.718	ng	0.00
45) 2-Fluorobiphenyl	13.303	172	441195	71.298	ng	0.00
79) Terphenyl-d14	20.047	244	525575	63.845	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.197	70	33702	17.512	ng	# 64
31) Naphthalene	10.900	128	15521	2.084	ng	# 95
32) Benzoic acid	10.201	122	60	4.986	ng	# 1
49) Acenaphthylene	14.407	152	16607	2.046	ng	99
51) 2,6-Dinitrotoluene	14.683	165	12641	8.451	ng	# 14
52) Acenaphthene	14.742	154	17422	3.562	ng	90
55) Dibenzofuran	15.083	168	26330	3.319	ng	99
56) 4-Nitrophenol	15.077	139	12486	11.717	ng	# 1
58) Fluorene	15.729	166	38371	5.950	ng	96
67) 4-Bromophenyl-phenylether	16.181	248	8075	4.052	ng	# 1
71) Phenanthrene	17.479	178	424743	47.714	ng	97
72) Anthracene	17.568	178	102576	11.733	ng	98
73) Carbazole	17.838	167	33510	4.047	ng	# 85
75) Fluoranthene	19.494	202	694058	63.360	ng	99
78) Pyrene	19.859	202	582886	57.186	ng	98
81) Benzo(a)anthracene	21.703	228	309436	31.780	ng	98
83) Chrysene	21.703	228	309436	33.246	ng	97
87) Indeno(1,2,3-cd)pyrene	28.758	276	170587	14.855	ng	# 98
88) Benzo(b)fluoranthene	23.965	252	337987	32.365	ng	# 95
89) Benzo(k)fluoranthene	23.965	252	337987	34.698	ng	# 99
90) Benzo(a)pyrene	24.852	252	261514	27.671	ng	97
91) Dibenzo(a,h)anthracene	28.799	278	47192	4.877	ng	# 96
92) Benzo(g,h,i)perylene	29.945	276	165284	17.435	ng	99

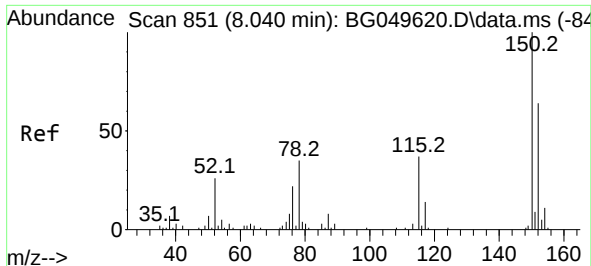
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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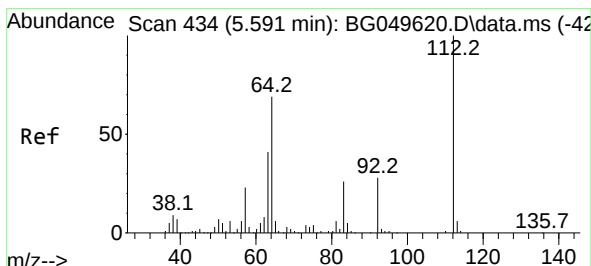
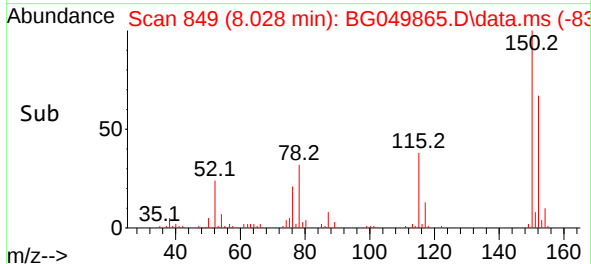
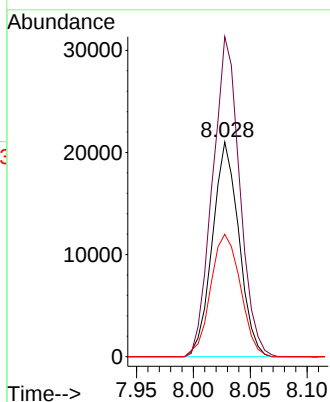
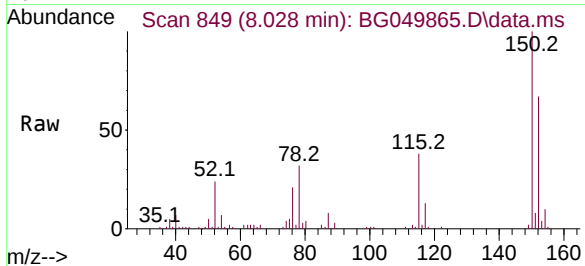




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.028 min Scan# 849
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

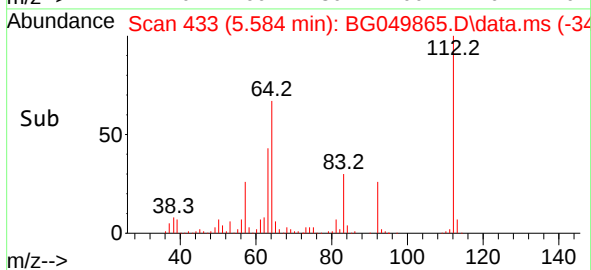
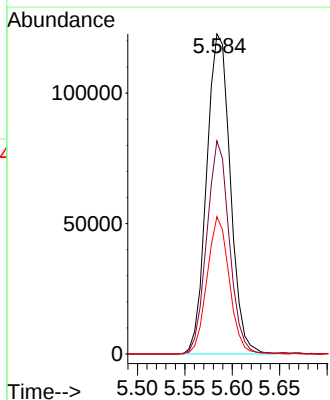
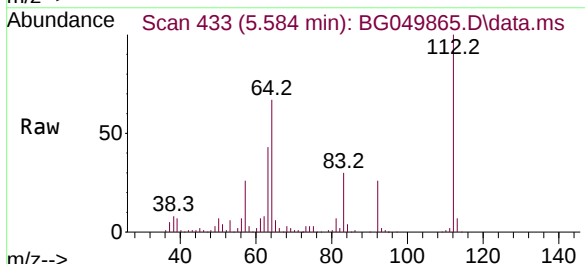
Instrument :
BNA_G
ClientSampled :
26N

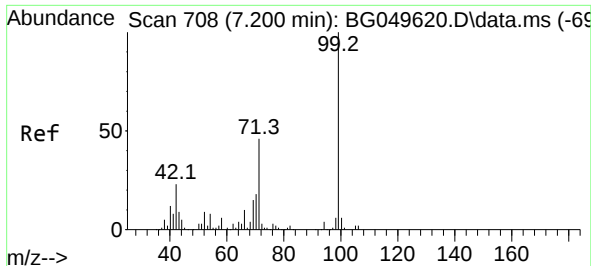
Tgt Ion:152 Resp: 34057
Ion Ratio Lower Upper
152 100
150 149.0 119.4 179.0
115 57.0 60.2 90.4#



#5
2-Fluorophenol
Concen: 112.174 ng
RT: 5.584 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:112 Resp: 213114
Ion Ratio Lower Upper
112 100
64 66.6 46.7 70.1
63 42.9 35.3 52.9

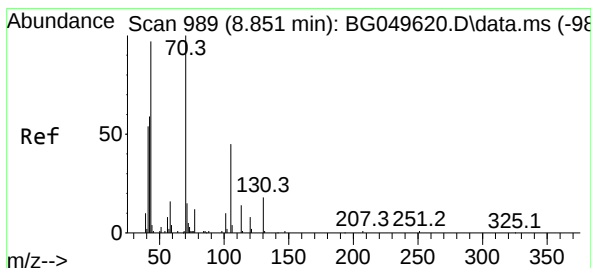
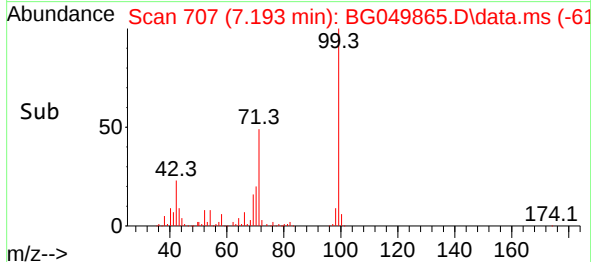
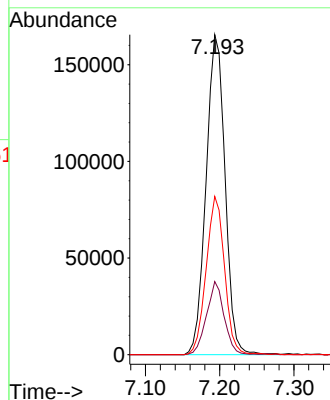
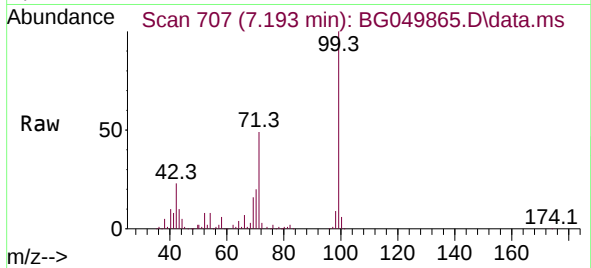




#7
Phenol-d6
Concen: 102.354 ng
RT: 7.193 min Scan# 707
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

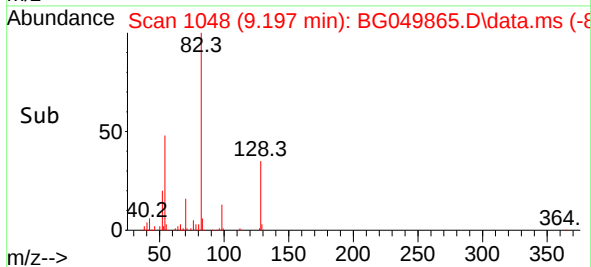
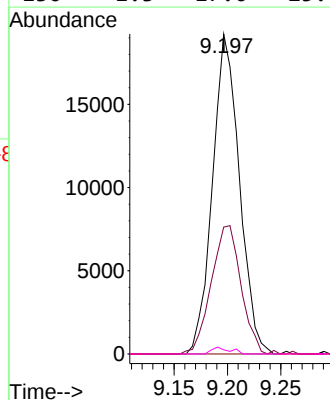
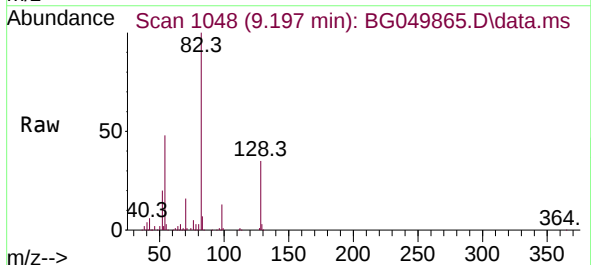
Instrument :
BNA_G
ClientSampleId :
26N

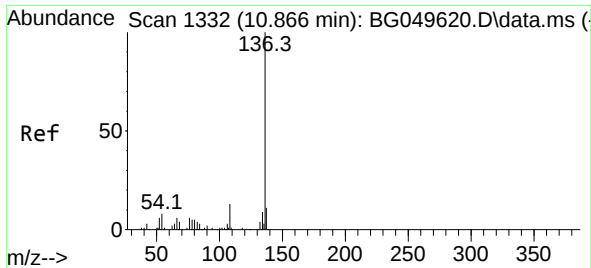
Tgt Ion: 99 Resp: 294359
Ion Ratio Lower Upper
99 100
42 22.9 20.5 30.7
71 49.4 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.512 ng
RT: 9.197 min Scan# 1048
Delta R.T. 0.358 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion: 70 Resp: 33702
Ion Ratio Lower Upper
70 100
42 39.6 54.5 81.7#
101 0.0 9.0 13.6#
130 1.3 17.0 25.6#

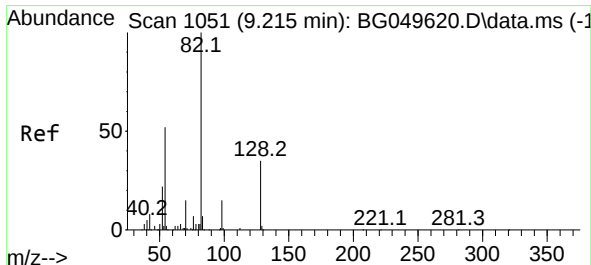
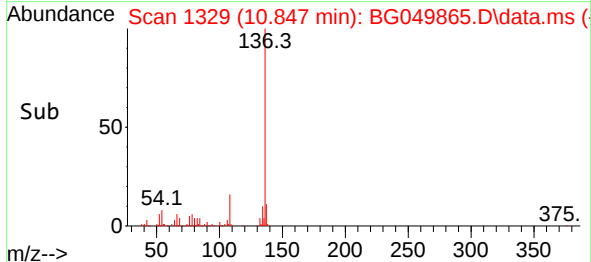
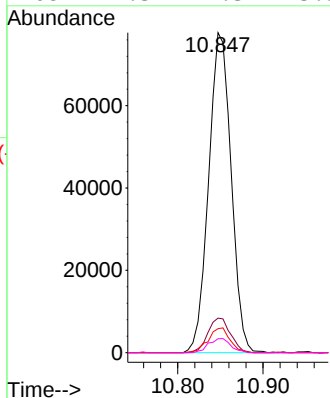
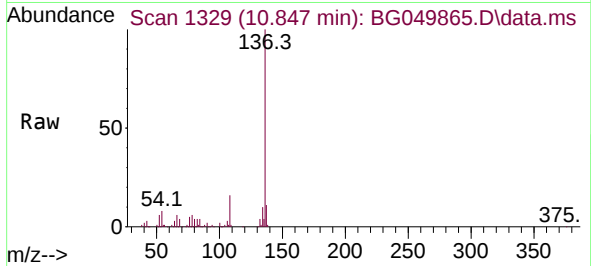




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.847 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

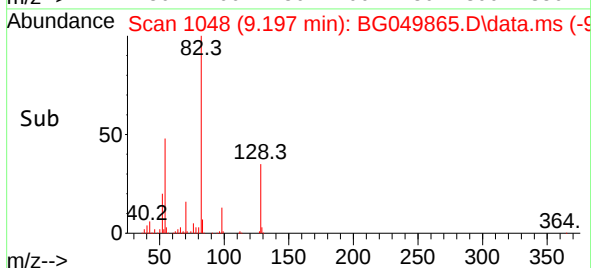
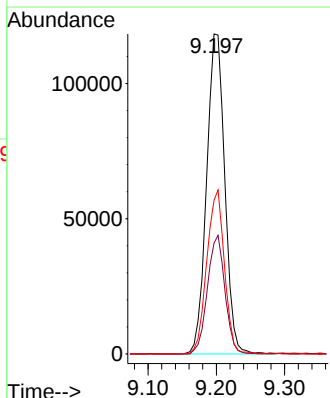
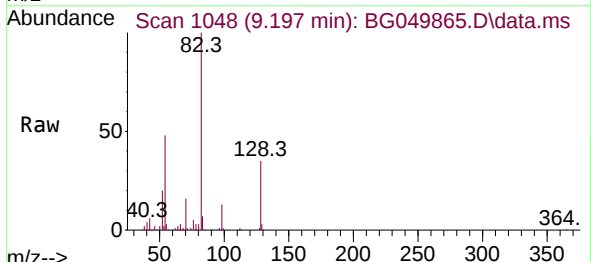
Instrument :
BNA_G
ClientSampleId :
26N

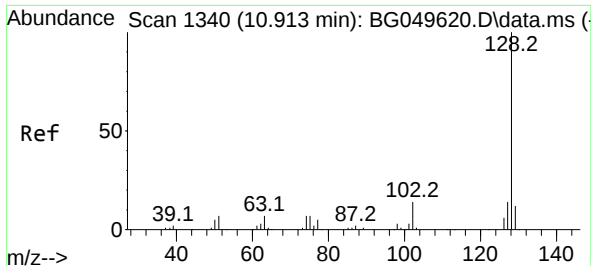
Tgt Ion:	136	Resp:	142242
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.2	12.2
54	7.5	5.5	8.3
68	4.3	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 68.273 ng
RT: 9.197 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:	82	Resp:	219459
Ion Ratio	Lower	Upper	
82	100		
128	34.7	29.8	44.6
54	48.0	45.8	68.8

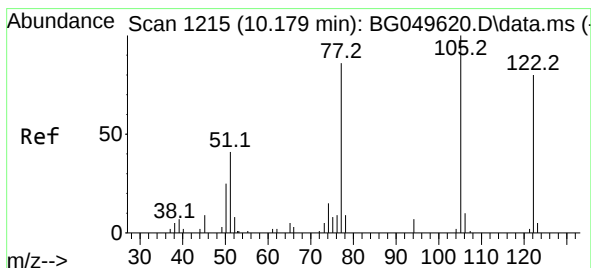
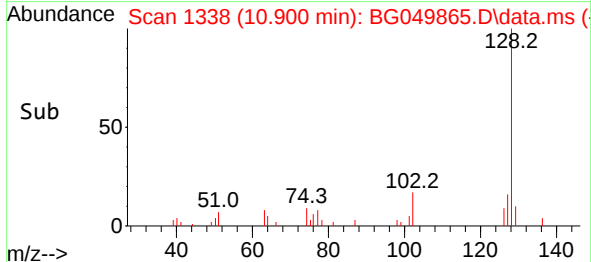
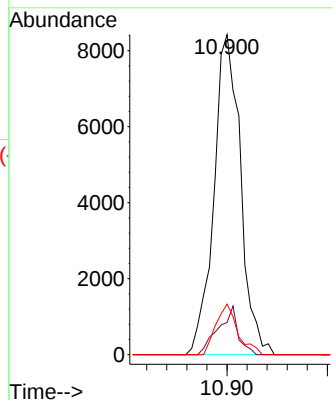
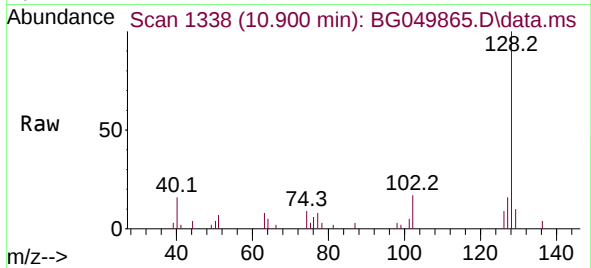




#31
Naphthalene
Concen: 2.084 ng
RT: 10.900 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

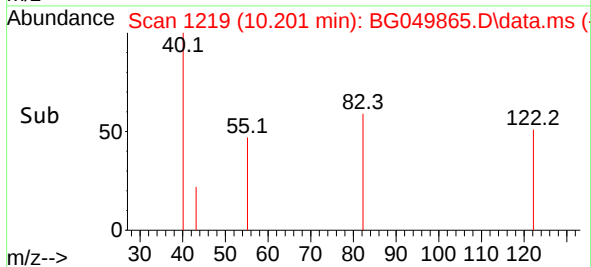
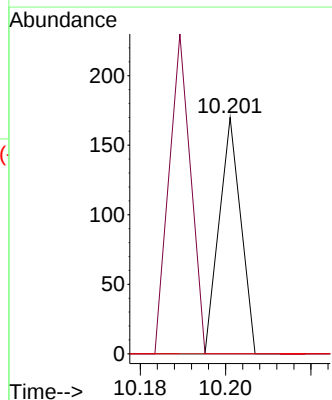
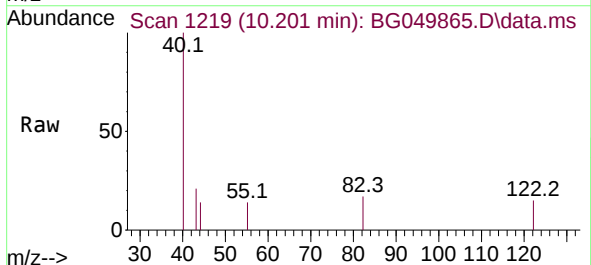
Instrument :
BNA_G
ClientSampleId :
26N

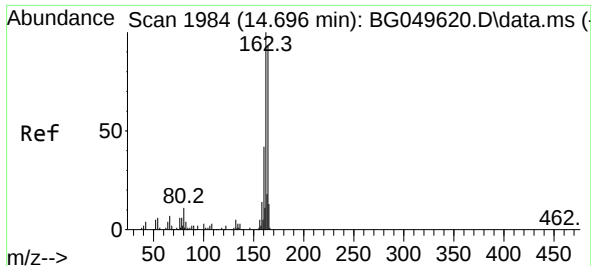
Tgt Ion:128 Resp: 15521
Ion Ratio Lower Upper
128 100
129 10.0 8.5 12.7
127 15.8 10.2 15.4#



#32
Benzoic acid
Concen: 4.986 ng
RT: 10.201 min Scan# 1219
Delta R.T. 0.035 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#

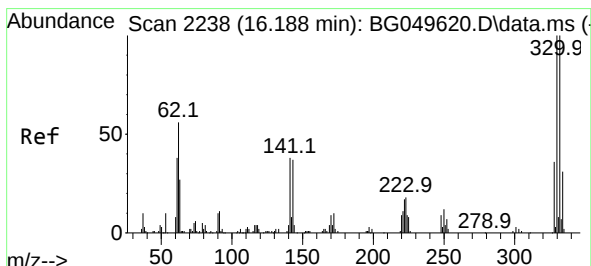
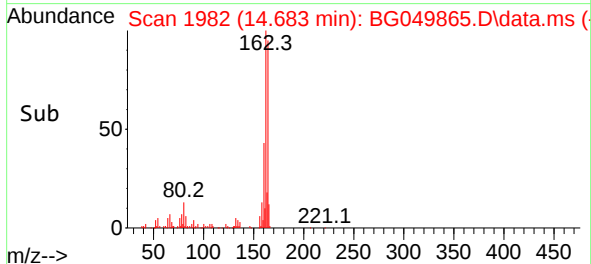
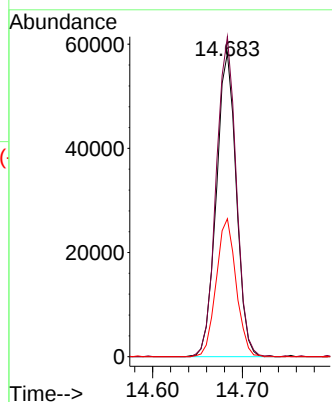
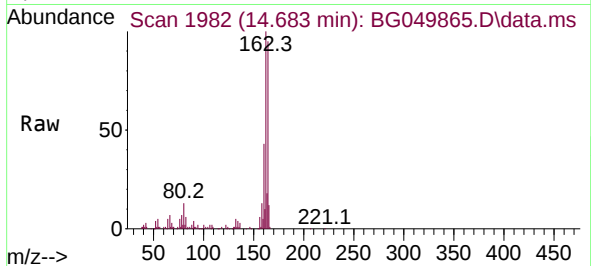




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.683 min Scan# 1982
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

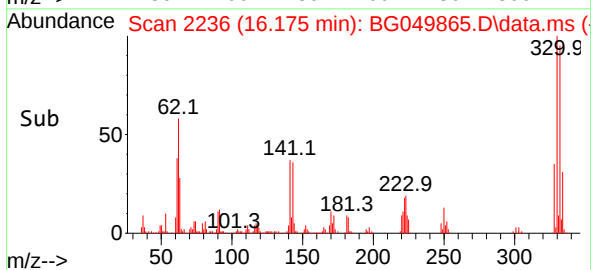
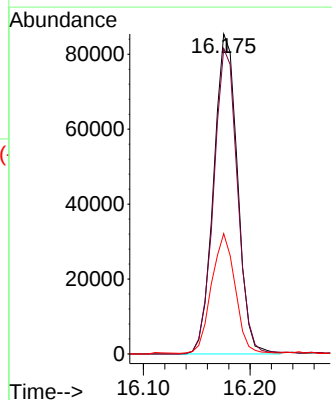
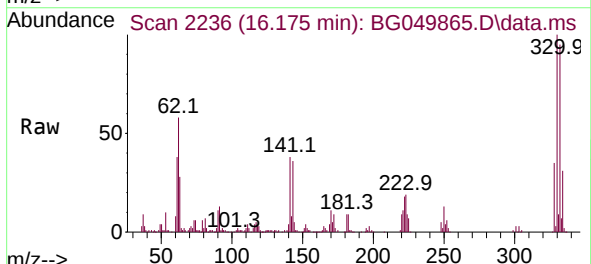
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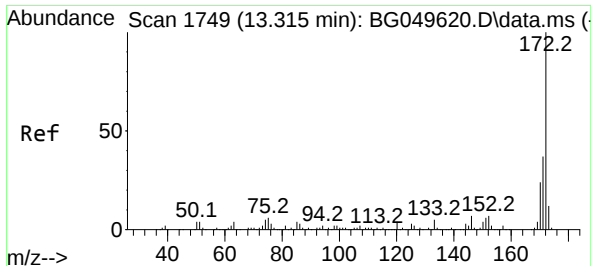
Tgt Ion:	164	Resp:	90041
Ion Ratio	Lower	Upper	
164	100		
162	105.5	81.4	122.0
160	45.5	34.9	52.3



#42
2,4,6-Tribromophenol
Concen: 99.718 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:	330	Resp:	131975
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.3	115.9
141	37.1	35.6	53.4

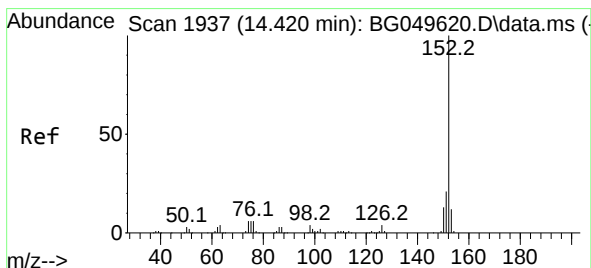
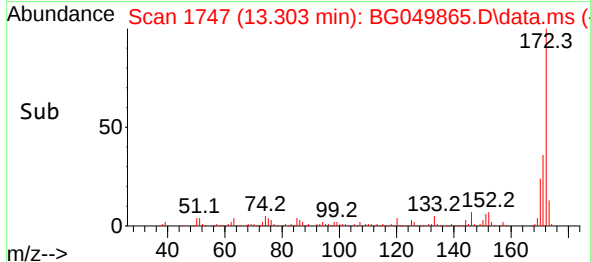
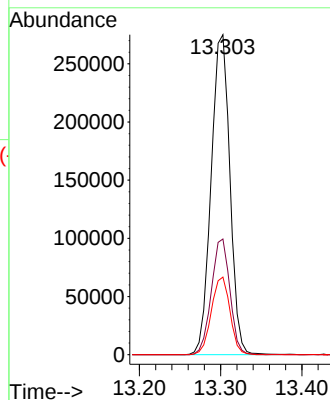
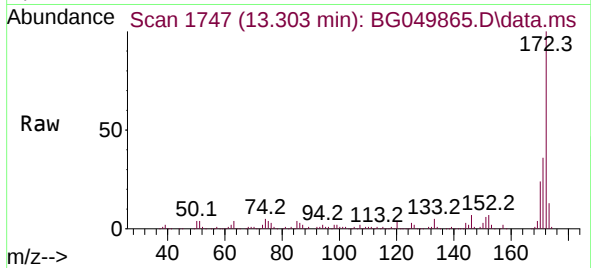




#45
2-Fluorobiphenyl
Concen: 71.298 ng
RT: 13.303 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

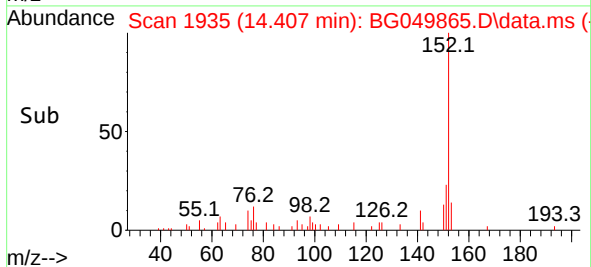
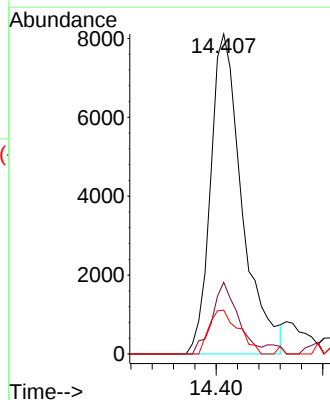
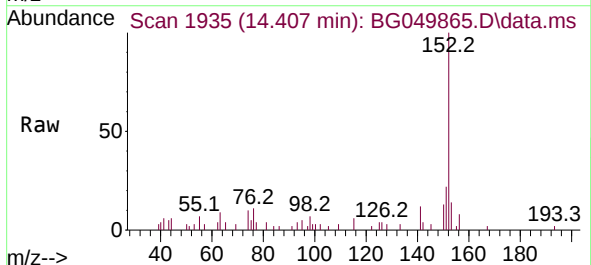
Instrument :
BNA_G
ClientSampleId :
26N

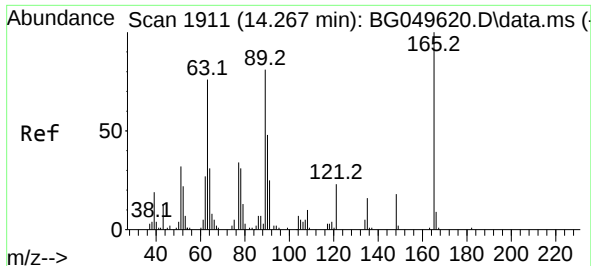
Tgt Ion:	172	Resp:	441195
Ion Ratio	Lower	Upper	
172	100		
171	36.2	28.6	43.0
170	24.3	18.6	27.8



#49
Acenaphthylene
Concen: 2.046 ng
RT: 14.407 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:	152	Resp:	16607
Ion Ratio	Lower	Upper	
152	100		
151	22.4	18.2	27.4
153	13.7	11.7	17.5

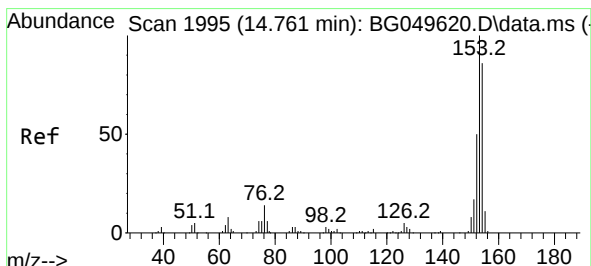
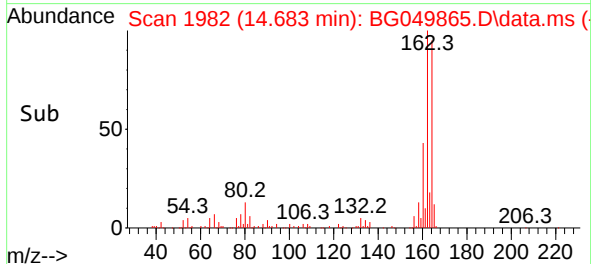
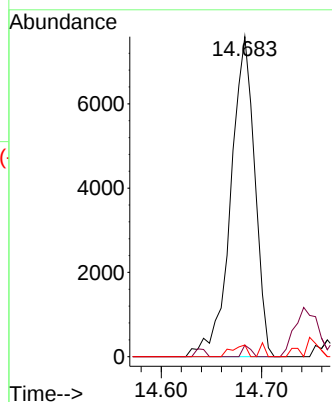
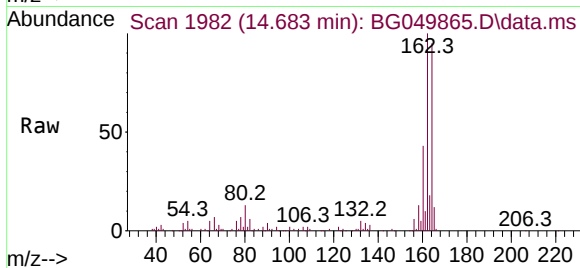




#51
2,6-Dinitrotoluene
Concen: 8.451 ng
RT: 14.683 min Scan# 1982
Delta R.T. 0.428 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

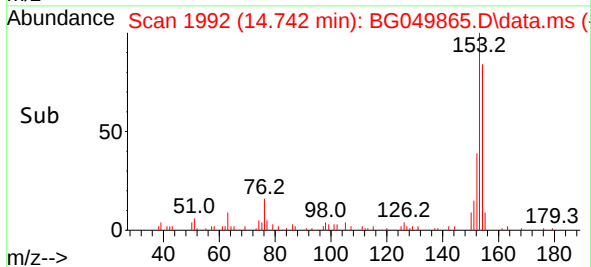
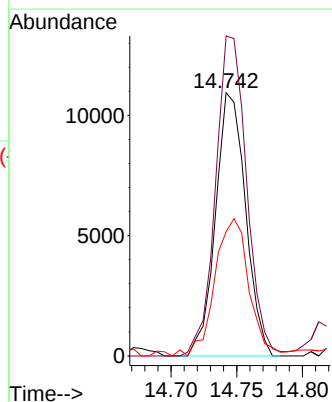
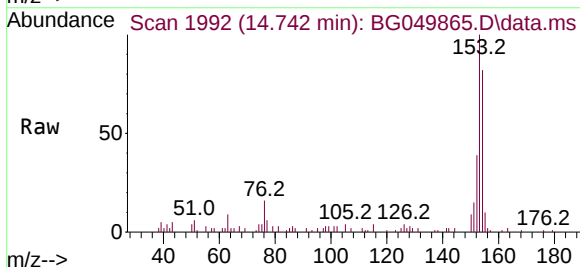
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ClientSampled :
26N

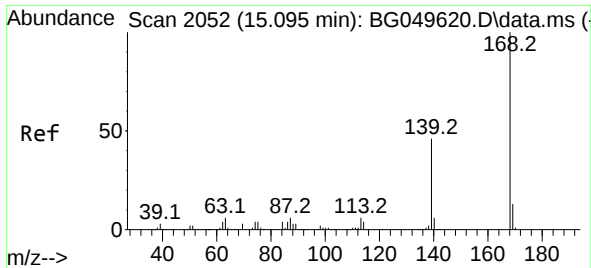
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Ion Ratio Lower Upper
165 100
63 3.6 63.3 94.9#
89 3.7 63.4 95.0#



#52
Acenaphthene
Concen: 3.562 ng
RT: 14.742 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:154 Resp: 17422
Ion Ratio Lower Upper
154 100
153 121.6 87.0 130.4
152 47.2 40.1 60.1

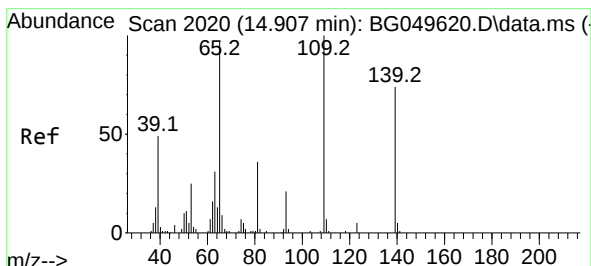
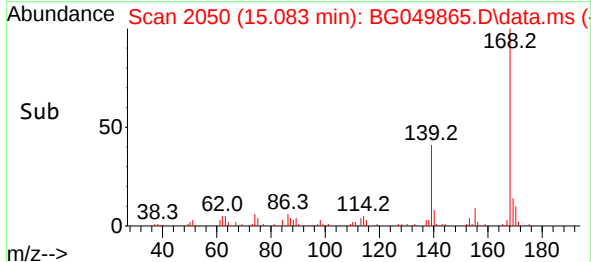
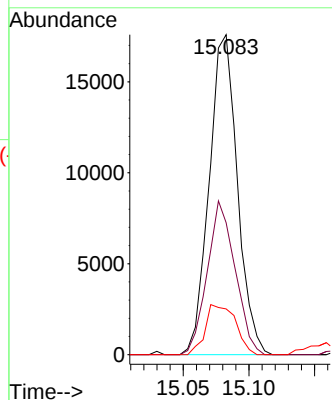
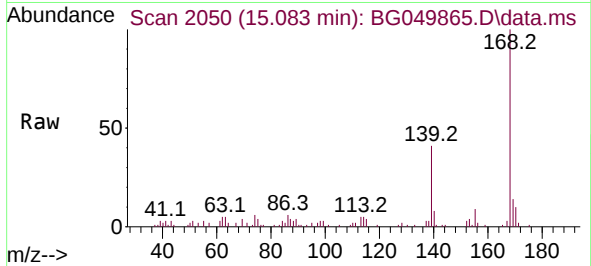




#55
Dibenzenofuran
Concen: 3.319 ng
RT: 15.083 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

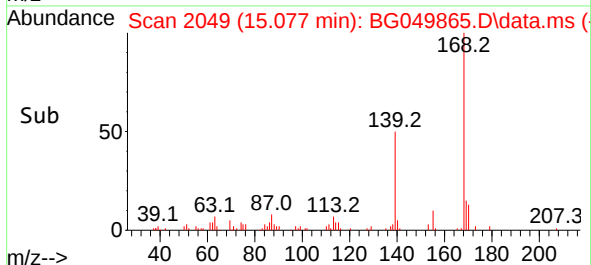
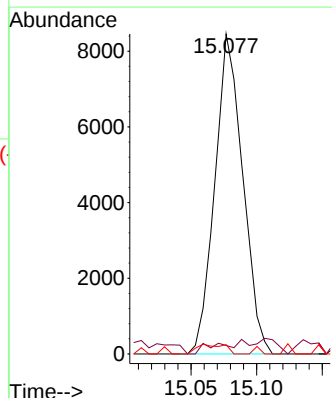
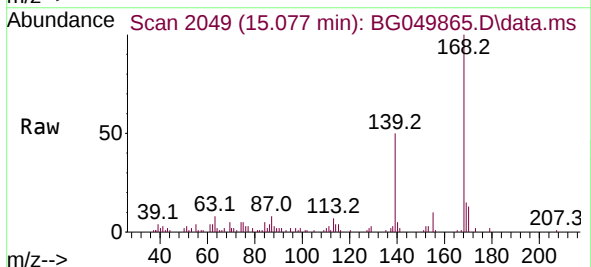
Instrument :
BNA_G
ClientSampled :
26N

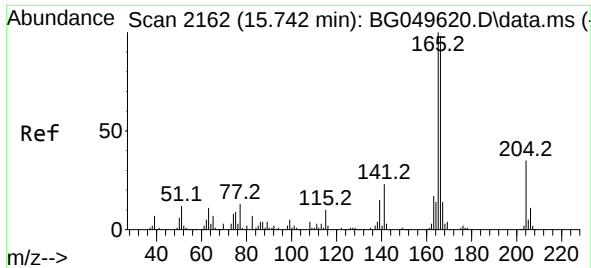
Tgt Ion:168 Resp: 26330
Ion Ratio Lower Upper
168 100
139 41.3 33.4 50.2
169 14.3 12.3 18.5



#56
4-Nitrophenol
Concen: 11.717 ng
RT: 15.077 min Scan# 2049
Delta R.T. 0.164 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:139 Resp: 12486
Ion Ratio Lower Upper
139 100
109 2.6 116.3 156.3#
65 2.9 105.0 145.0#

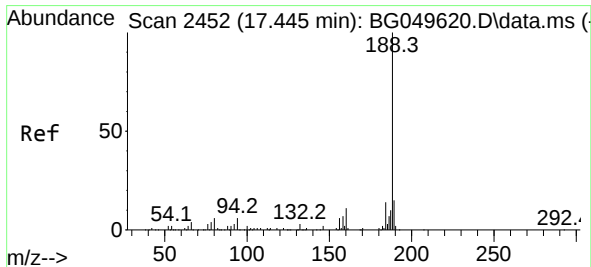
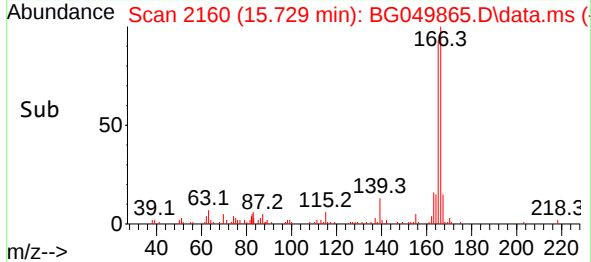
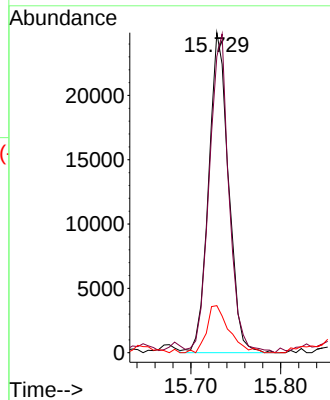
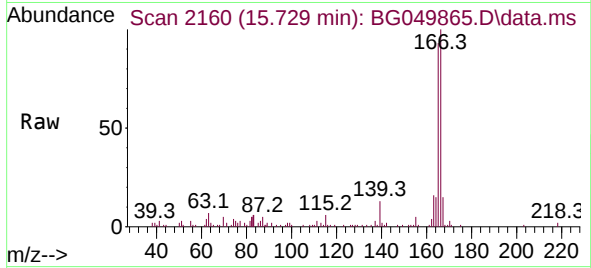




#58
Fluorene
Concen: 5.950 ng
RT: 15.729 min Scan# 2160
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

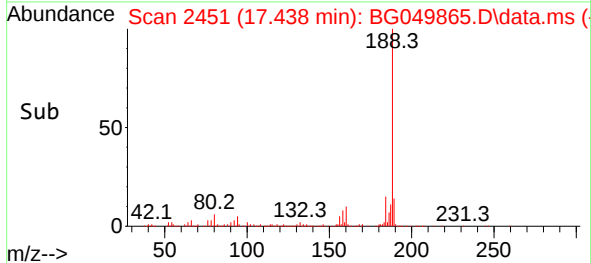
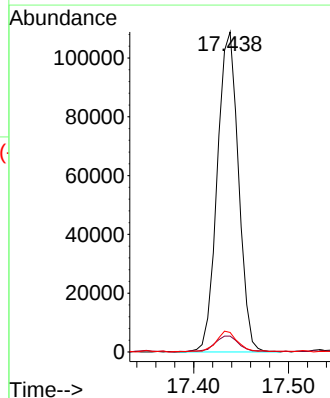
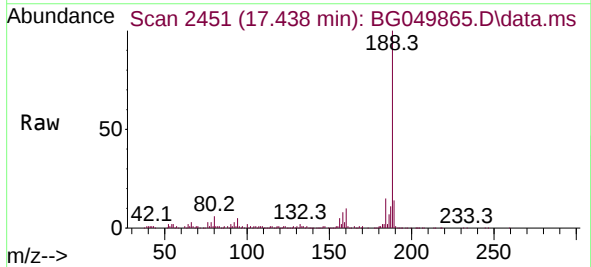
Instrument :
BNA_G
ClientSampleId :
26N

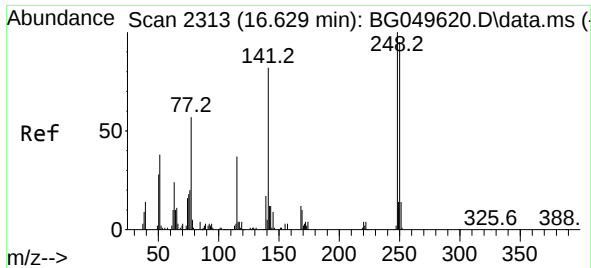
Tgt Ion:166 Resp: 38371
Ion Ratio Lower Upper
166 100
165 92.5 77.7 116.5
167 14.7 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.438 min Scan# 2451
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:188 Resp: 169201
Ion Ratio Lower Upper
188 100
94 5.0 5.4 8.0#
80 6.1 3.7 5.5#

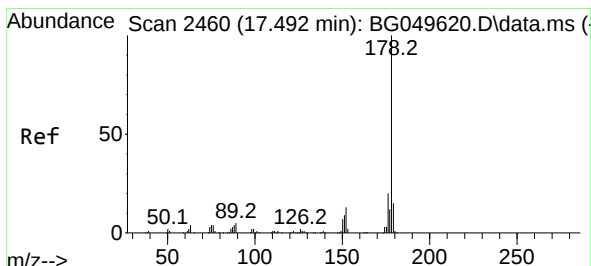
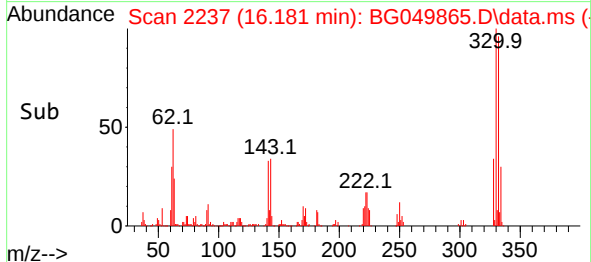
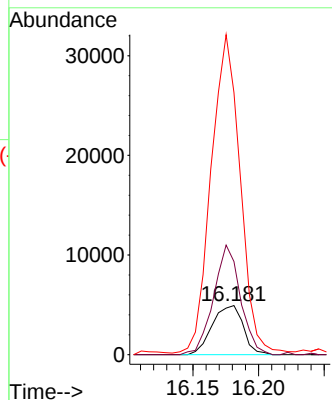
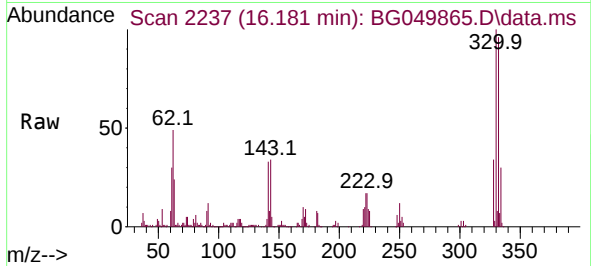




#67
4-Bromophenyl-phenylether
Concen: 4.052 ng
RT: 16.181 min Scan# 2237
Delta R.T. -0.435 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

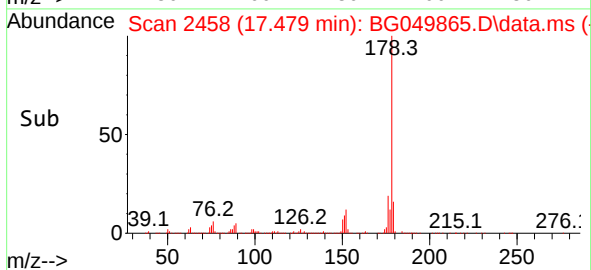
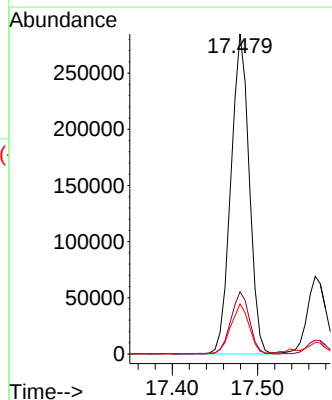
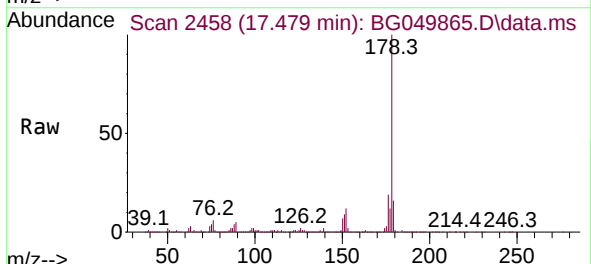
Instrument :
BNA_G
ClientSampleId :
26N

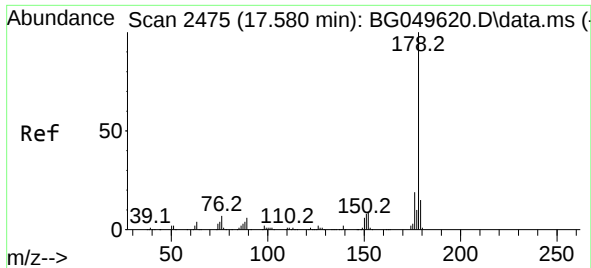
Tgt Ion:248 Resp: 8075
Ion Ratio Lower Upper
248 100
250 189.5 76.1 114.1#
141 533.5 65.4 98.2#



#71
Phenanthrene
Concen: 47.714 ng
RT: 17.479 min Scan# 2458
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:178 Resp: 424743
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.6 14.2 21.4

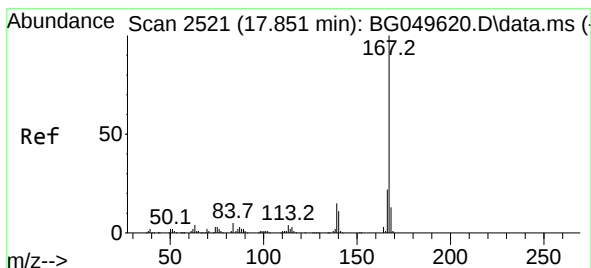
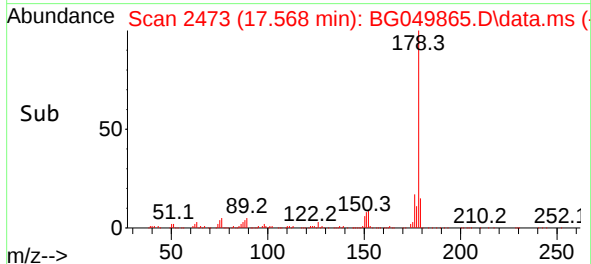
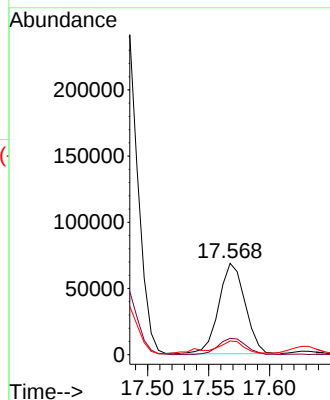
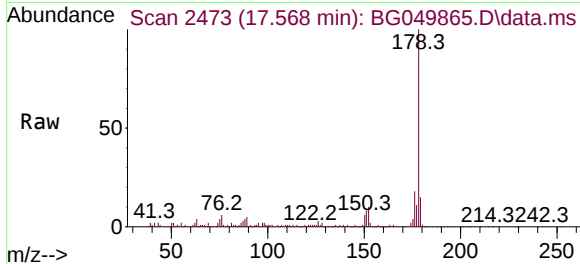




#72
 Anthracene
 Concen: 11.733 ng
 RT: 17.568 min Scan# 2473
 Delta R.T. -0.000 min
 Lab File: BG049865.D
 Acq: 17 Aug 2021 1:17

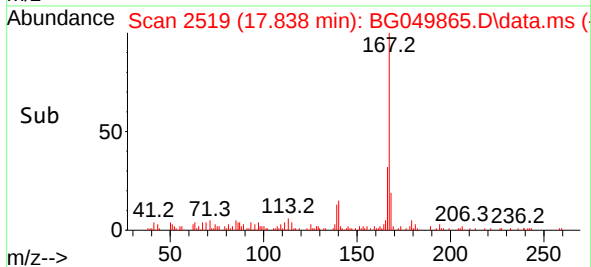
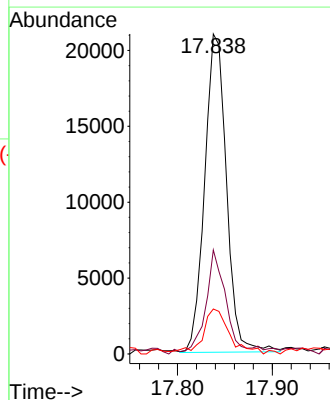
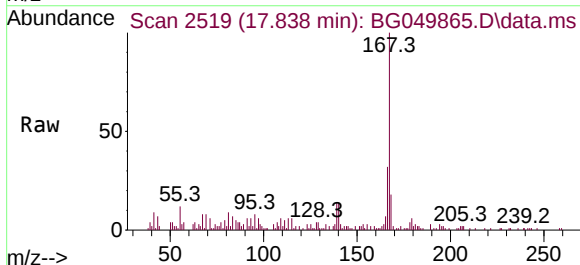
Instrument :
 BNA_G
 ClientSampleId :
 26N

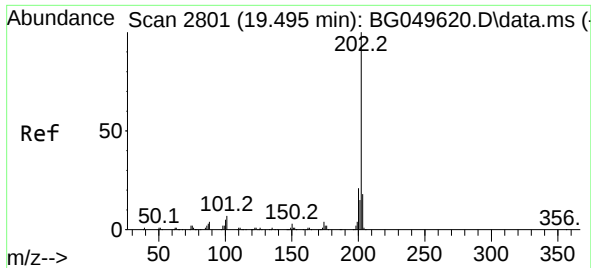
Tgt Ion:	178	Resp:	102576
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.6	21.8
179	15.0	13.4	20.0



#73
 Carbazole
 Concen: 4.047 ng
 RT: 17.838 min Scan# 2519
 Delta R.T. -0.000 min
 Lab File: BG049865.D
 Acq: 17 Aug 2021 1:17

Tgt Ion:	167	Resp:	33510
Ion Ratio	Lower	Upper	
167	100		
166	32.5	17.4	26.2#
139	14.0	10.7	16.1

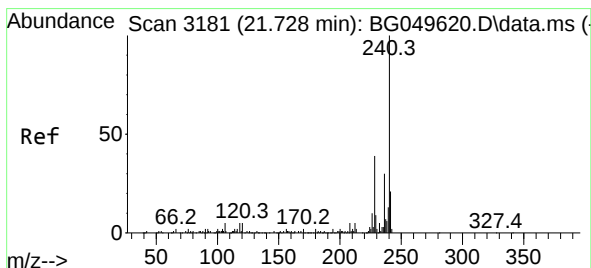
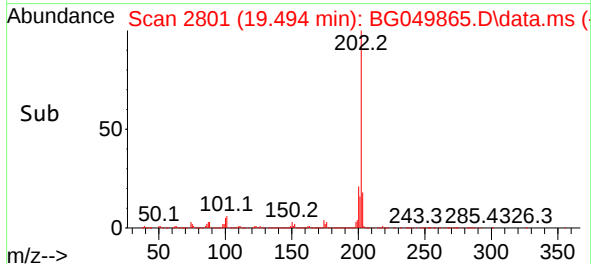
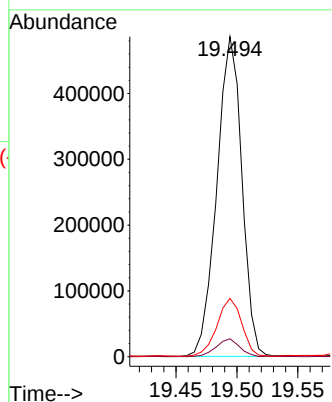
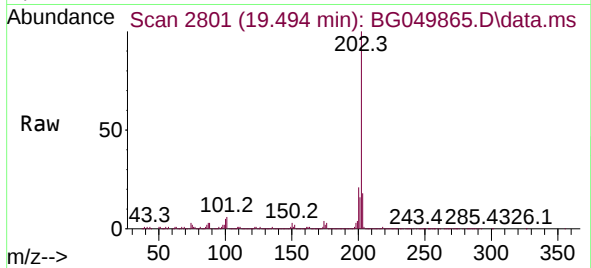




#75
Fluoranthene
Concen: 63.360 ng
RT: 19.494 min Scan# 2801
Delta R.T. 0.005 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

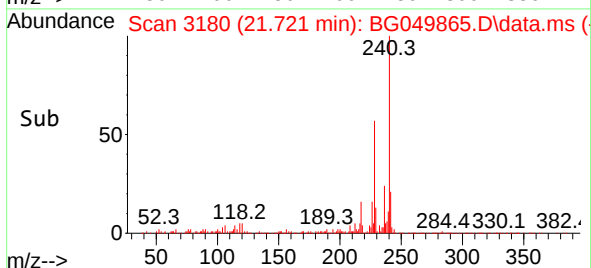
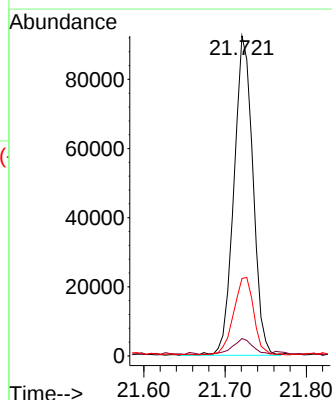
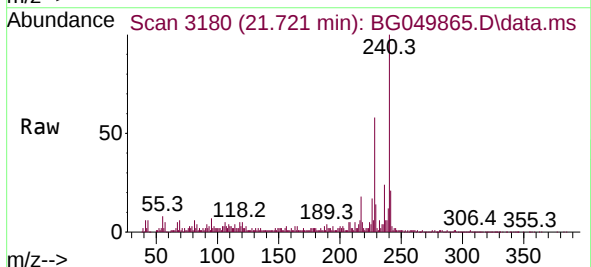
Instrument :
BNA_G
ClientSampleId :
26N

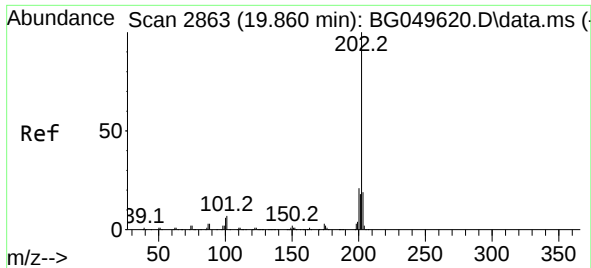
Tgt Ion:202 Resp: 694058
Ion Ratio Lower Upper
202 100
101 5.6 0.0 24.7
203 18.2 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3180
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:240 Resp: 149510
Ion Ratio Lower Upper
240 100
120 5.5 4.2 6.2
236 24.2 21.8 32.6

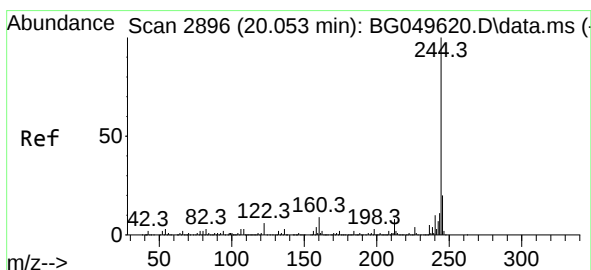
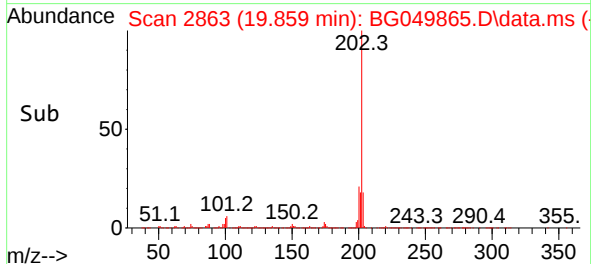
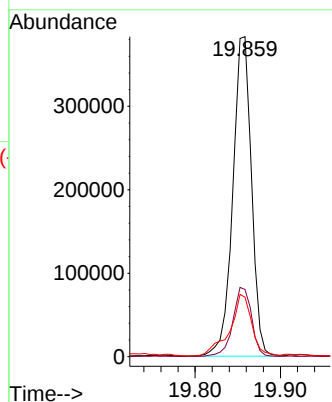
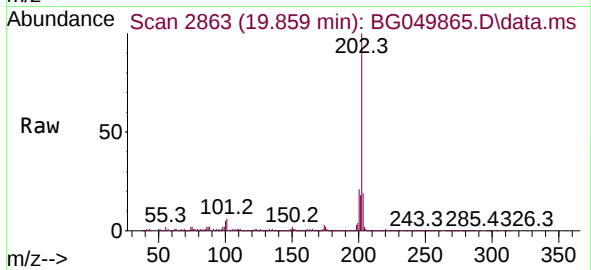




#78
Pyrene
Concen: 57.186 ng
RT: 19.859 min Scan# 2863
Delta R.T. 0.005 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

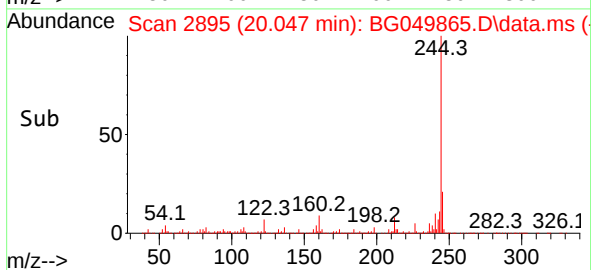
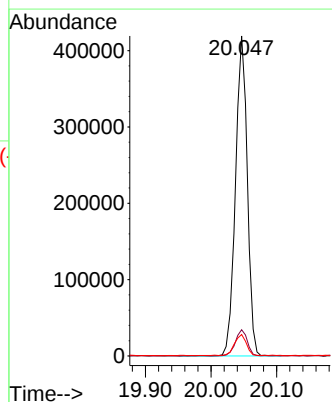
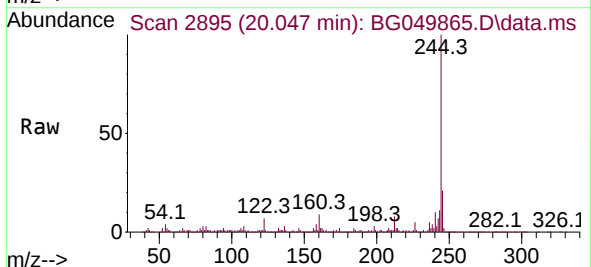
Instrument :
BNA_G
ClientSampled :
26N

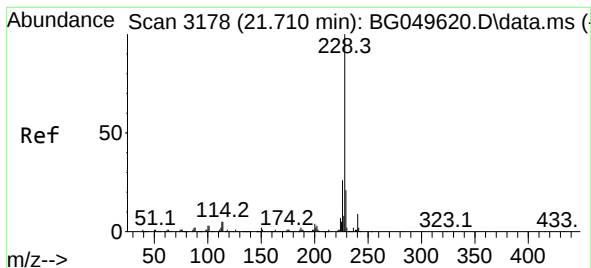
Tgt Ion:202 Resp: 582886
Ion Ratio Lower Upper
202 100
200 21.0 15.8 23.8
203 18.6 14.6 21.8



#79
Terphenyl-d14
Concen: 63.845 ng
RT: 20.047 min Scan# 2895
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:244 Resp: 525575
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 6.7 5.0 7.6

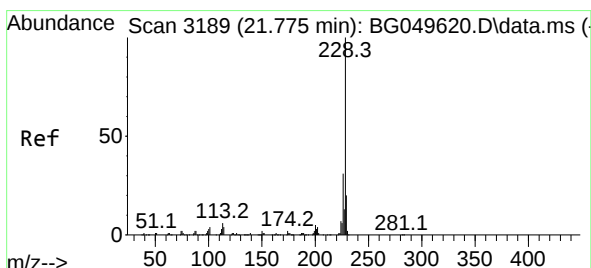
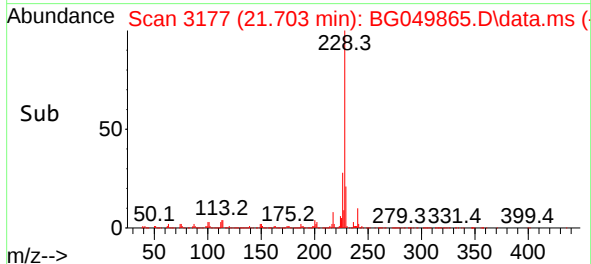
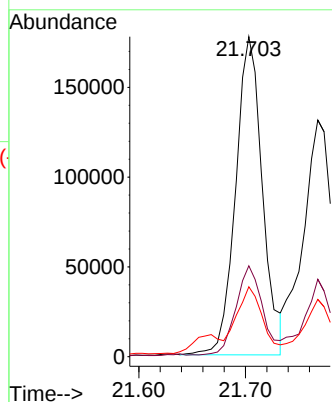
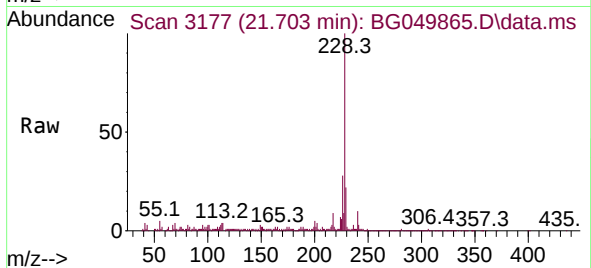




#81
Benzo(a)anthracene
Concen: 31.780 ng
RT: 21.703 min Scan# 3177
Delta R.T. 0.005 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

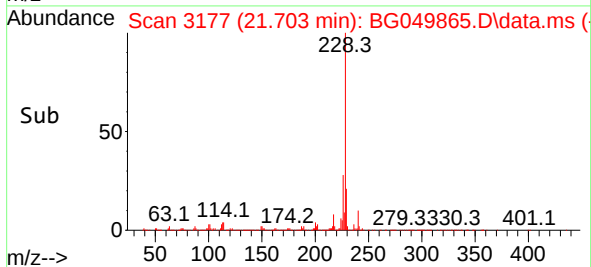
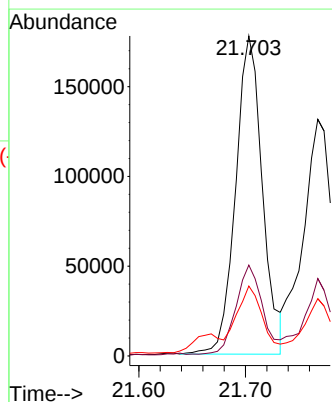
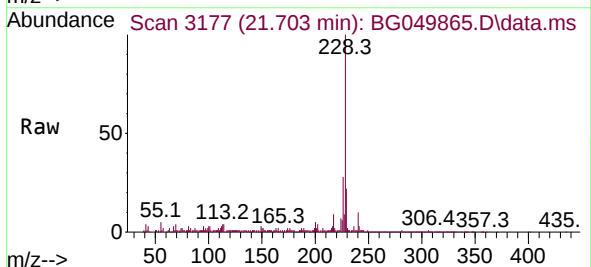
Instrument :
BNA_G
ClientSampled :
26N

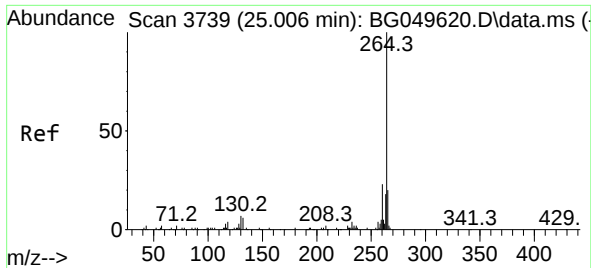
Tgt Ion:228 Resp: 309436
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 21.9 16.0 24.0



#83
Chrysene
Concen: 33.246 ng
RT: 21.703 min Scan# 3177
Delta R.T. -0.065 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:228 Resp: 309436
Ion Ratio Lower Upper
228 100
226 28.4 23.1 34.7
229 21.9 15.3 22.9

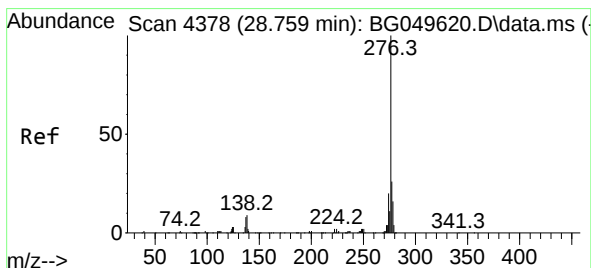
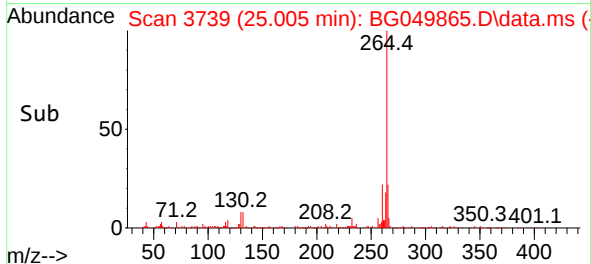
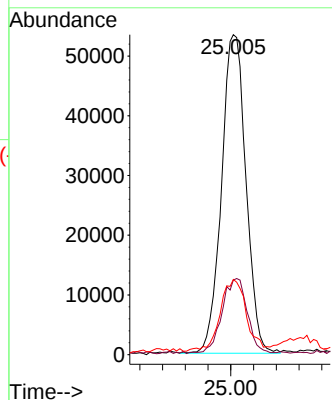
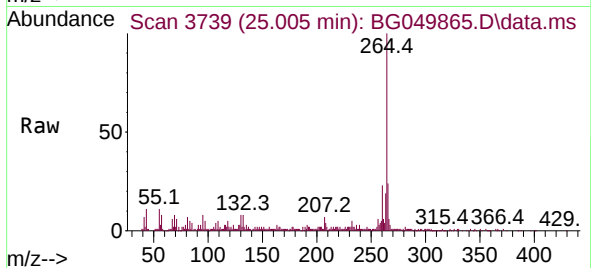




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.005 min Scan# 3739
 Delta R.T. 0.017 min
 Lab File: BG049865.D
 Acq: 17 Aug 2021 1:17

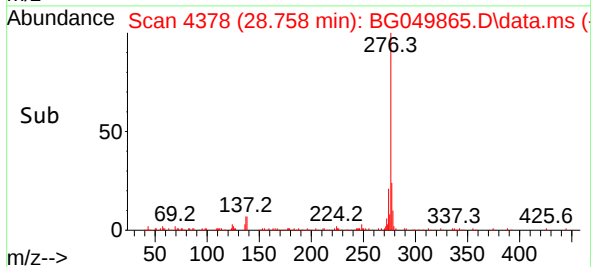
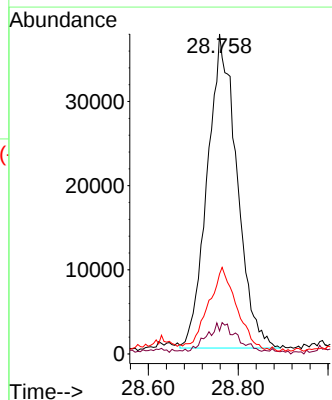
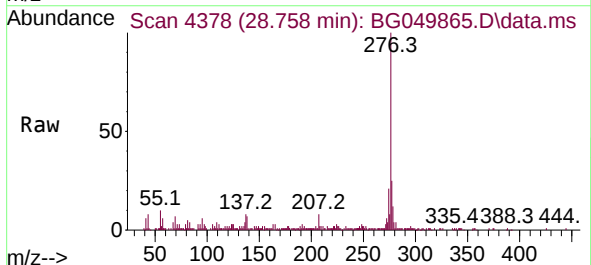
Instrument :
 BNA_G
 ClientSampled :
 26N

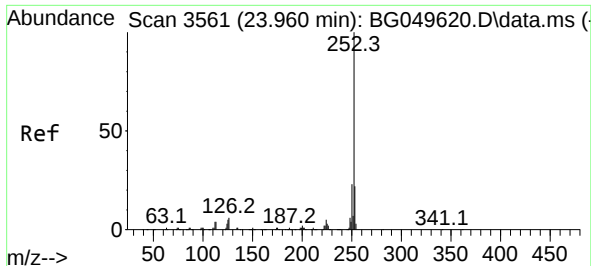
Tgt Ion:264 Resp: 159228
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 23.5 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.855 ng
 RT: 28.758 min Scan# 4378
 Delta R.T. 0.023 min
 Lab File: BG049865.D
 Acq: 17 Aug 2021 1:17

Tgt Ion:276 Resp: 170587
 Ion Ratio Lower Upper
 276 100
 138 8.8 5.1 7.7#
 277 24.9 19.8 29.6

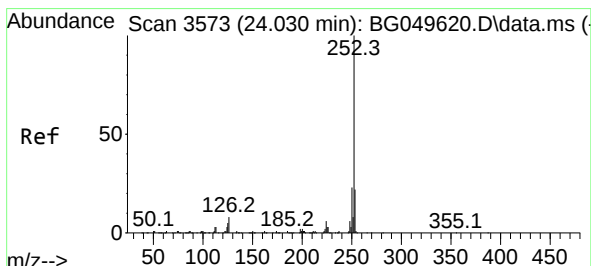
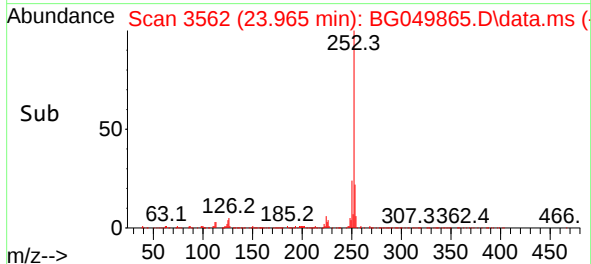
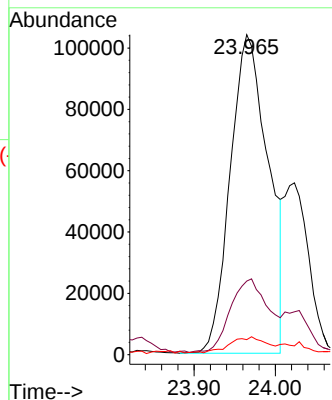
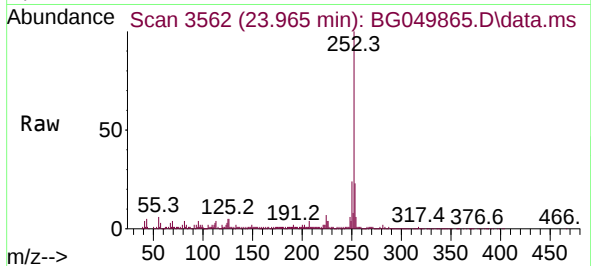




#88
Benzo(b)fluoranthene
Concen: 32.365 ng
RT: 23.965 min Scan# 3562
Delta R.T. 0.011 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

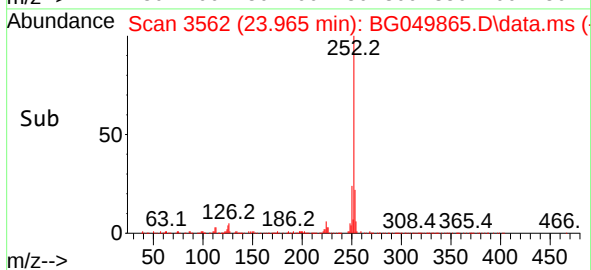
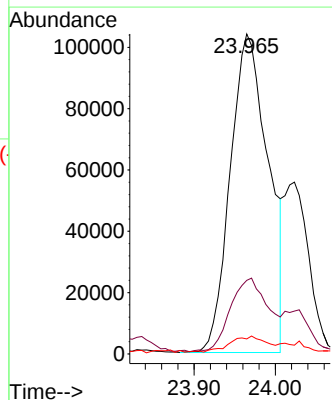
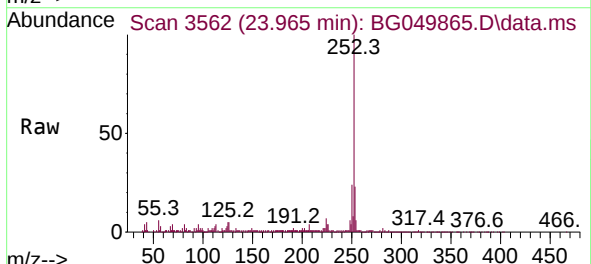
Instrument :
BNA_G
ClientSampled :
26N

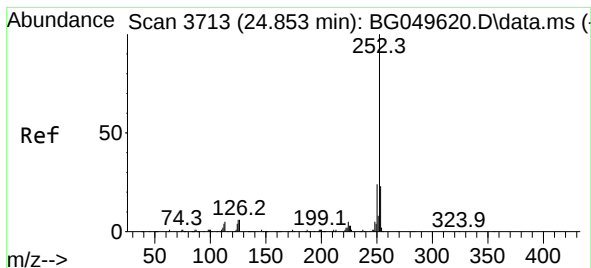
Tgt Ion:252 Resp: 337987
Ion Ratio Lower Upper
252 100
253 23.0 16.2 24.4
125 4.7 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 34.698 ng
RT: 23.965 min Scan# 3562
Delta R.T. -0.053 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

Tgt Ion:252 Resp: 337987
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 4.7 3.1 4.7#

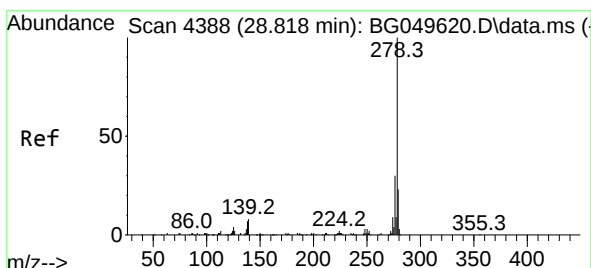
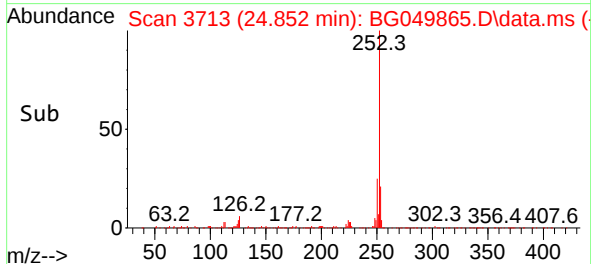
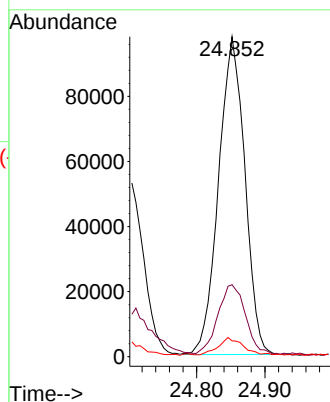
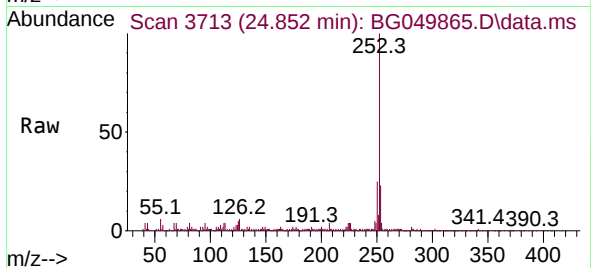




#90
Benzo(a)pyrene
Concen: 27.671 ng
RT: 24.852 min Scan# 3713
Delta R.T. 0.011 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

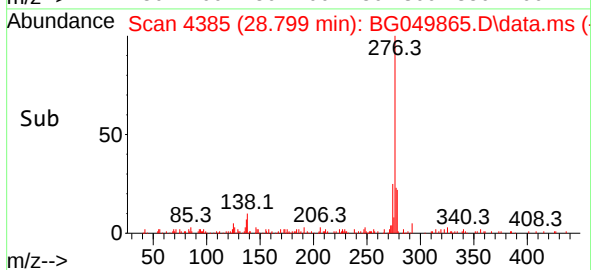
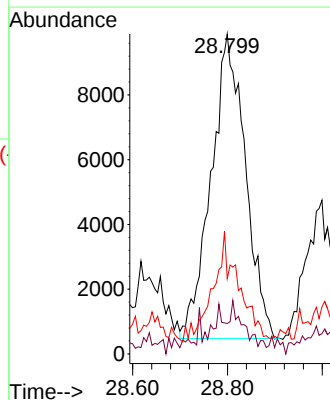
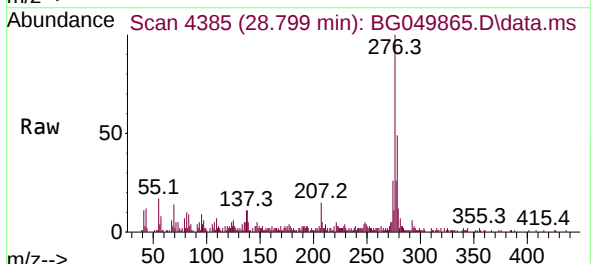
Instrument :
BNA_G
ClientSampled :
26N

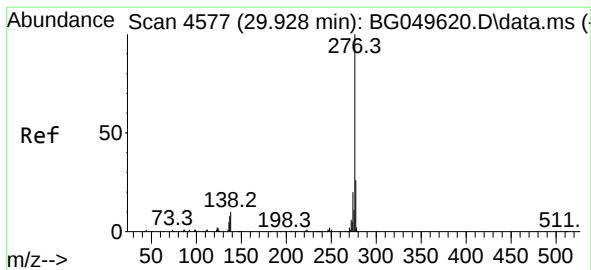
Tgt Ion:	252	Resp:	261514
Ion Ratio	Lower	Upper	
252	100		
253	22.5	16.6	25.0
125	5.0	3.5	5.3



#91
Dibenzo(a,h)anthracene
Concen: 4.877 ng
RT: 28.799 min Scan# 4385
Delta R.T. -0.000 min
Lab File: BG049865.D
Acq: 17 Aug 2021 1:17

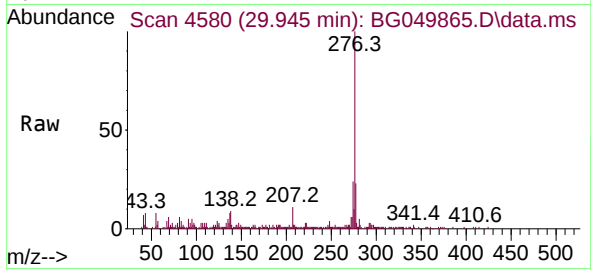
Tgt Ion:	278	Resp:	47192
Ion Ratio	Lower	Upper	
278	100		
139	9.5	4.6	6.8#
279	23.6	17.9	26.9





#92
 Benzo(g,h,i)perylene
 Concen: 17.435 ng
 RT: 29.945 min Scan# 4580
 Delta R.T. 0.029 min
 Lab File: BG049865.D
 Acq: 17 Aug 2021 1:17

Instrument :
 BNA_G
 ClientSampleId :
 26N



Tgt Ion:276 Resp: 165284
 Ion Ratio Lower Upper
 276 100
 277 23.1 18.4 27.6
 138 9.3 7.0 10.6

