

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010521\
 Data File : BG047874.D
 Acq On : 5 Jan 2021 19:37
 Operator : CG/JU
 Sample : M1000-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-010421

Quant Time: Jan 06 00:02:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 15:55:16 2020
 Response via : Initial Calibration

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

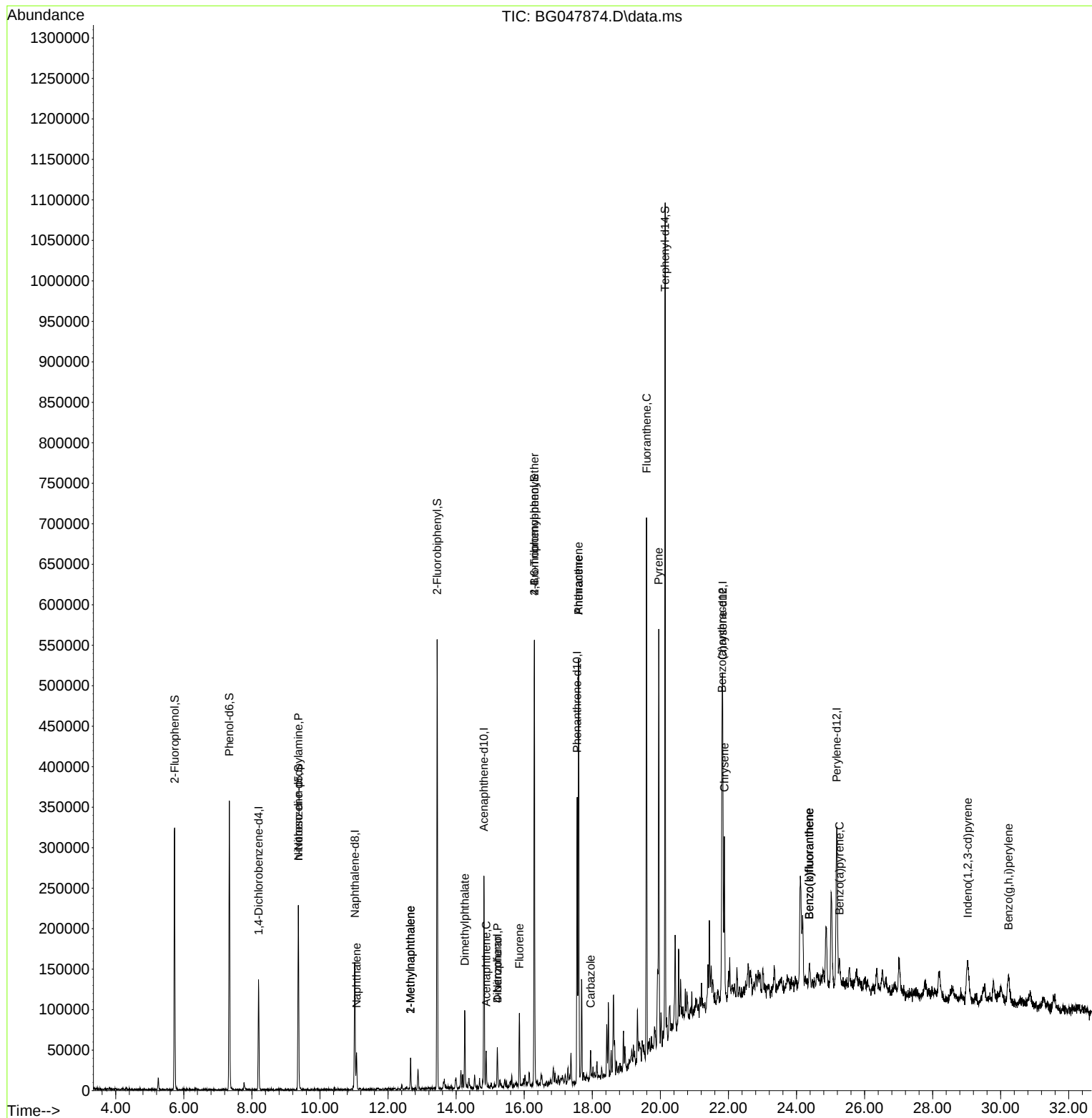
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.197	152	32829	20.00	ng	# 0.00
21) Naphthalene-d8	11.023	136	126565	20.00	ng	# 0.00
39) Acenaphthene-d10	14.818	164	91084	20.00	ng	0.00
64) Phenanthrene-d10	17.556	188	216944	20.00	ng	# 0.00
76) Chrysene-d12	21.834	240	209775	20.00	ng	# 0.00
86) Perylene-d12	25.183	264	213293	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.729	112	125651	66.21	ng	0.00
7) Phenol-d6	7.339	99	174726	62.98	ng	0.00
23) Nitrobenzene-d5	9.366	82	133013	38.66	ng	0.00
42) 2,4,6-Tribromophenol	16.299	330	94395	60.71	ng	0.00
45) 2-Fluorobiphenyl	13.443	172	272235	38.68	ng	0.00
79) Terphenyl-d14	20.141	244	419126	32.92	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.366	70	20954	10.85	ng	# 82
31) Naphthalene	11.076	128	31871	4.58	ng	95
37) 2-Methylnaphthalene	12.662	142	15539	2.88	ng	# 91
38) 1-Methylnaphthalene	12.662	142	15539	3.05	ng	94
50) Dimethylphthalate	14.254	163	53454	6.81	ng	# 96
52) Acenaphthene	14.883	154	16385	2.77	ng	93
55) Dibenzofuran	15.212	168	25012	2.92	ng	# 89
56) 4-Nitrophenol	15.212	139	10641	9.33	ng	# 16
58) Fluorene	15.858	166	39928	5.48	ng	# 91
67) 4-Bromophenyl-phenylether	16.299	248	6734	2.31	ng	# 1
70) Pentachlorophenol	17.045	266	56	Below Cal		# 19
71) Phenanthrene	17.597	178	324446	27.74	ng	97
72) Anthracene	17.597	178	324446	28.61	ng	98
73) Carbazole	17.956	167	21485	2.16	ng	# 92
75) Fluoranthene	19.595	202	427990	27.30	ng	92
78) Pyrene	19.953	202	346606	23.06	ng	95
81) Benzo(a)anthracene	21.810	228	185984	12.34	ng	99
83) Chrysene	21.881	228	153798	10.81	ng	98
87) Indeno(1,2,3-cd)pyrene	29.031	276	90095	5.56	ng	# 78
88) Benzo(b)fluoranthene	24.378	252	32823	2.23	ng	98
89) Benzo(k)fluoranthene	24.378	252	32823	2.30	ng	98
90) Benzo(a)pyrene	25.265	252	40330	2.95	ng	97
92) Benzo(g,h,i)perylene	30.230	276	81002	6.31	ng	# 92

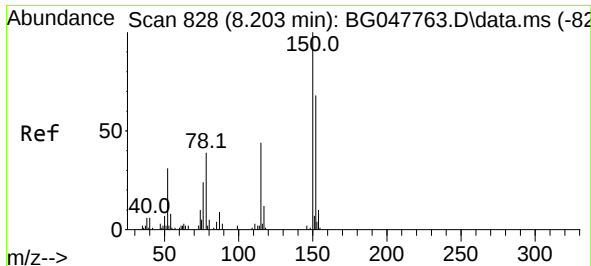
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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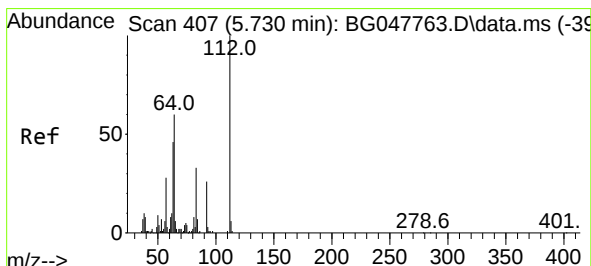
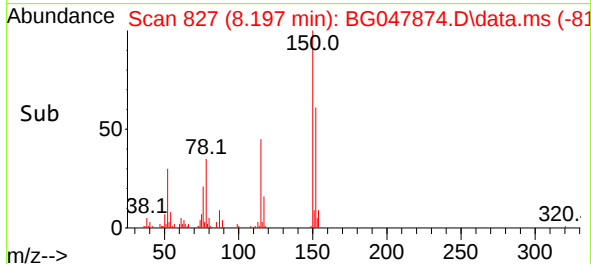
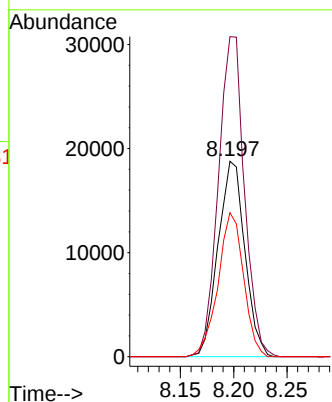
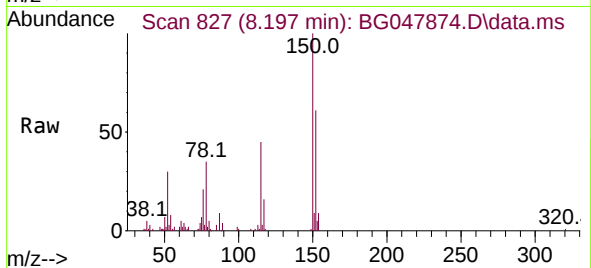




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.197 min Scan# 827
Delta R.T. -0.006 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

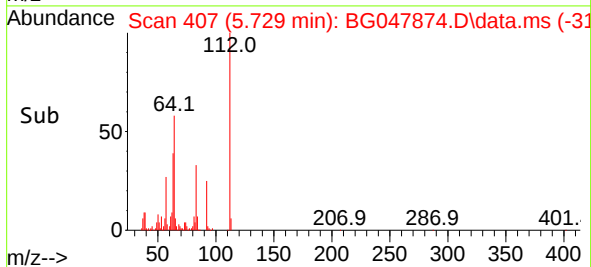
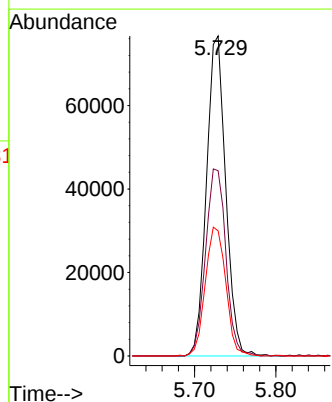
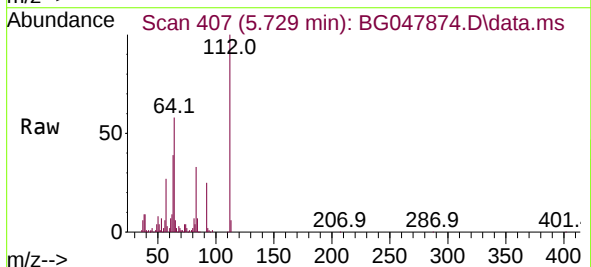
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

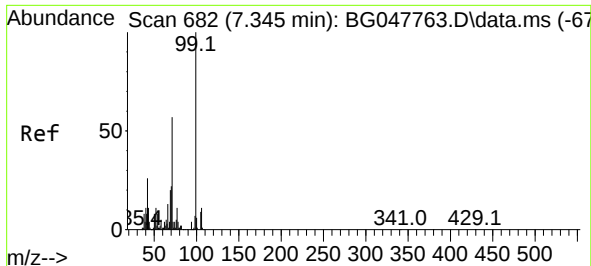
Tgt Ion:152 Resp: 32829
Ion Ratio Lower Upper
152 100
150 163.8 125.0 187.6
115 73.7 41.8 62.6#



#5
2-Fluorophenol
Concen: 66.21 ng
RT: 5.729 min Scan# 407
Delta R.T. -0.001 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:112 Resp: 125651
Ion Ratio Lower Upper
112 100
64 57.9 46.7 70.1
63 39.1 22.8 34.2#

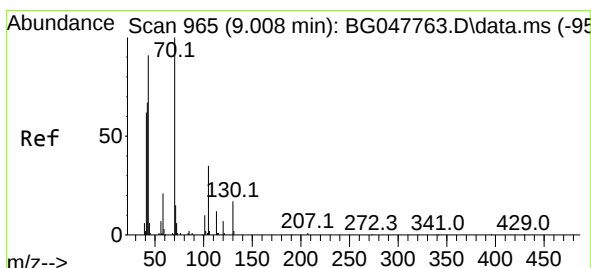
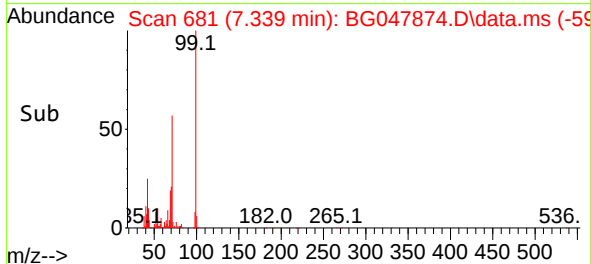
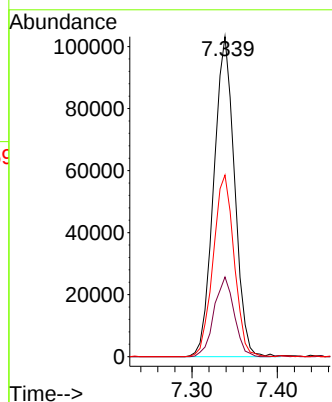
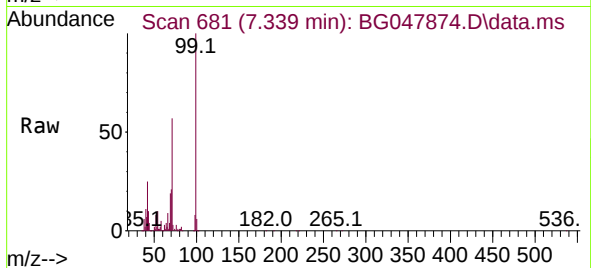




#7
Phenol-d6
Concen: 62.98 ng
RT: 7.339 min Scan# 681
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

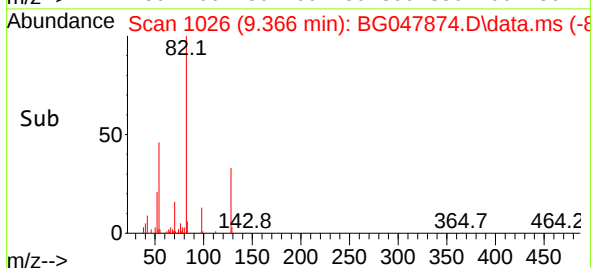
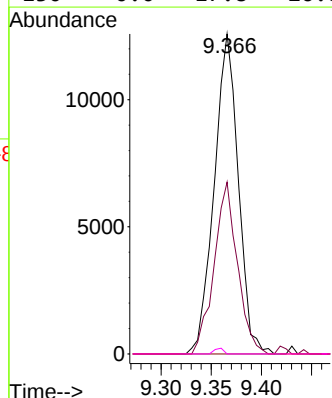
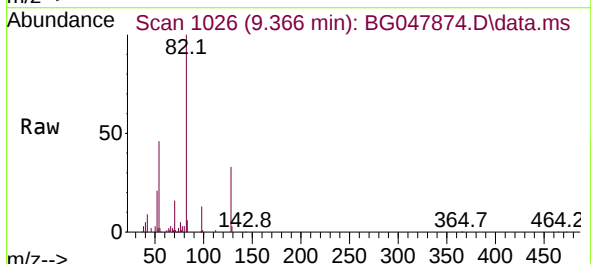
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ClientSampleId :
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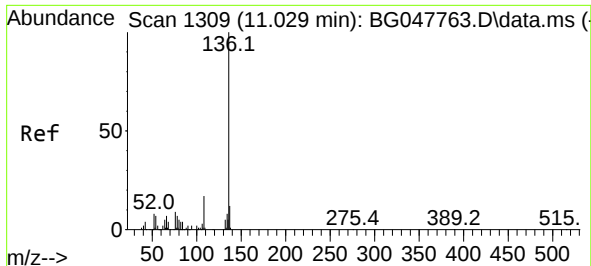
Tgt Ion: 99 Resp: 174726
Ion Ratio Lower Upper
99 100
42 24.9 12.8 19.2#
71 56.8 24.6 36.8#



#19
n-Nitroso-di-n-propylamine
Concen: 10.85 ng
RT: 9.366 min Scan# 1026
Delta R.T. 0.358 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion: 70 Resp: 20954
Ion Ratio Lower Upper
70 100
42 53.7 45.6 68.4
101 0.0 8.4 12.6#
130 0.0 17.8 26.8#

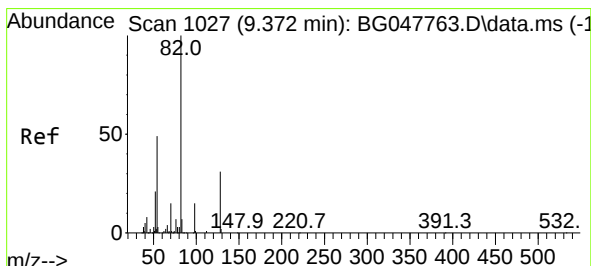
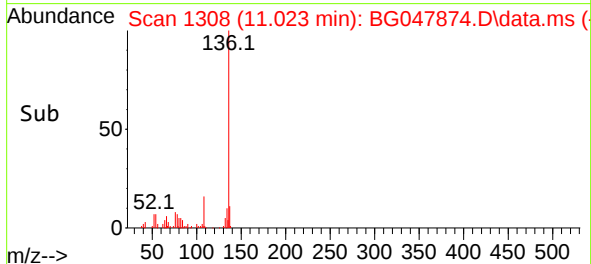
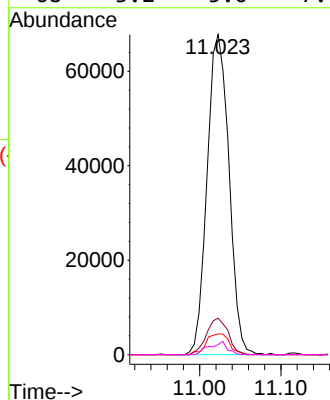
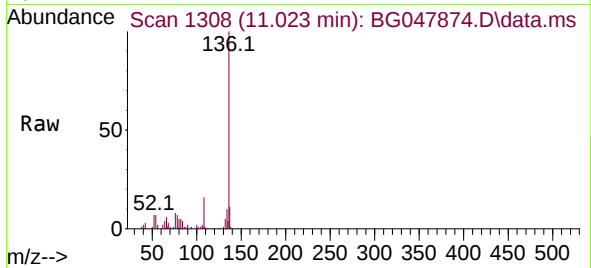




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.023 min Scan# 1308
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

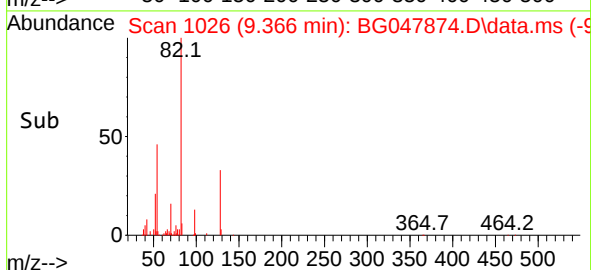
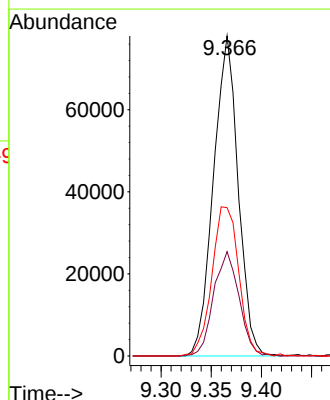
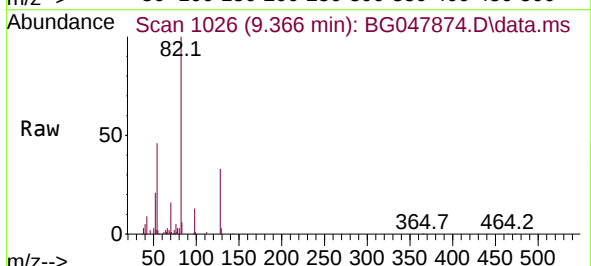
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

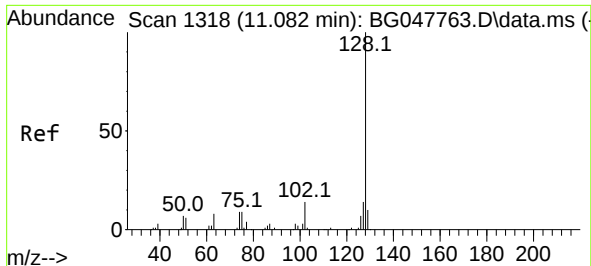
Tgt Ion:136	Resp: 126565
Ion Ratio	Lower Upper
136 100	
137 11.4	9.1 13.7
54 6.5	6.2 9.4
68 3.2	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 38.66 ng
RT: 9.366 min Scan# 1026
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion: 82	Resp: 133013
Ion Ratio	Lower Upper
82 100	
128 32.6	37.0 55.6#
54 46.4	39.0 58.4

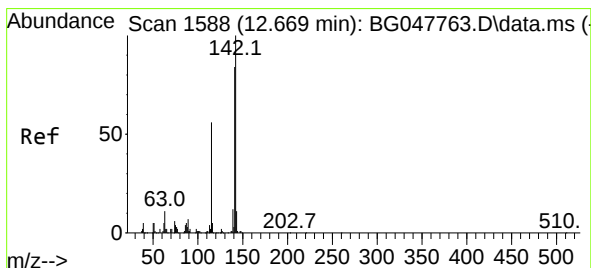
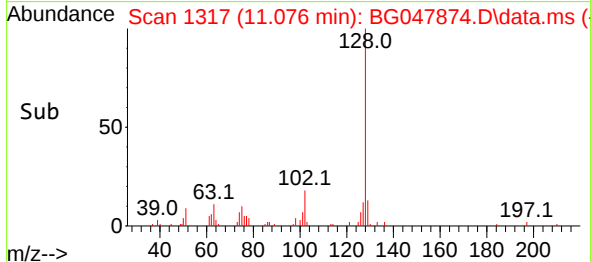
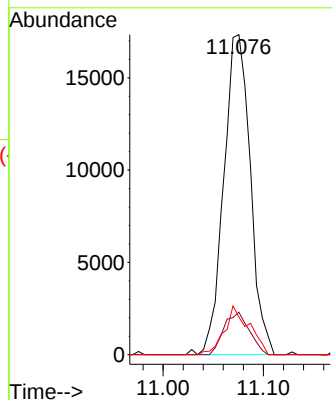
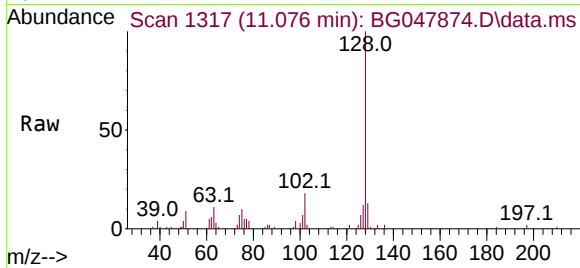




#31
Naphthalene
Concen: 4.58 ng
RT: 11.076 min Scan# 1317
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

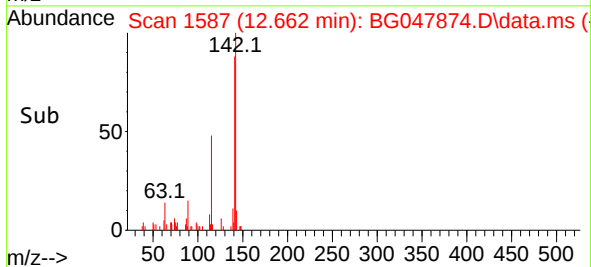
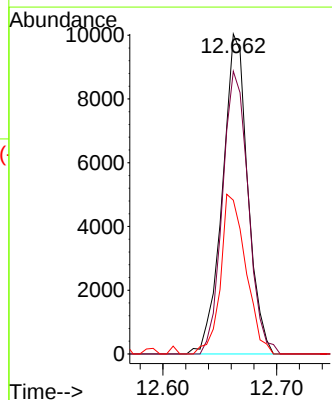
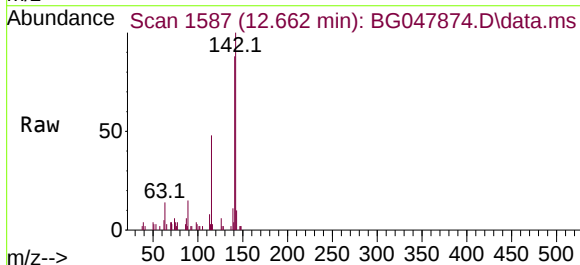
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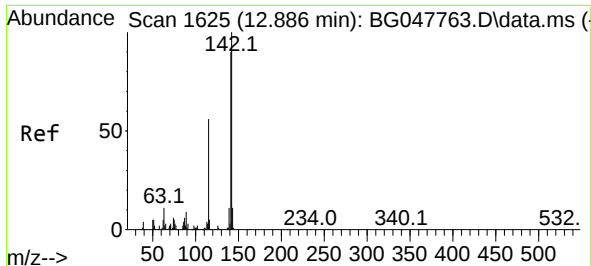
Tgt Ion:128 Resp: 31871
Ion Ratio Lower Upper
128 100
129 13.2 9.0 13.6
127 11.7 11.0 16.4



#37
2-Methylnaphthalene
Concen: 2.88 ng
RT: 12.662 min Scan# 1587
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:142 Resp: 15539
Ion Ratio Lower Upper
142 100
141 88.4 71.6 107.4
115 48.1 25.4 38.2#

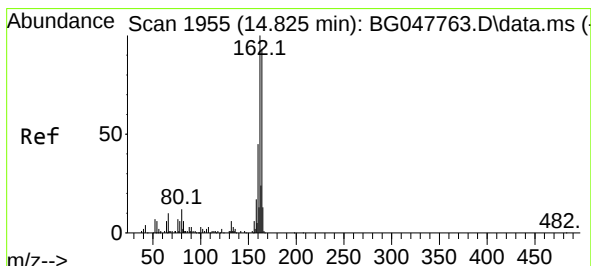
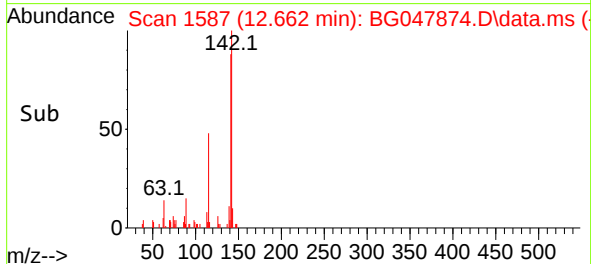
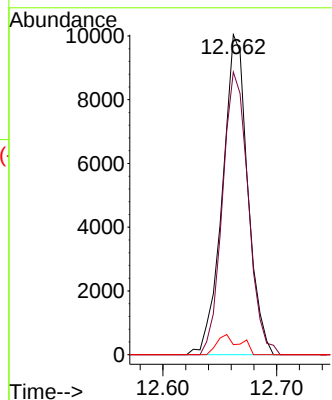
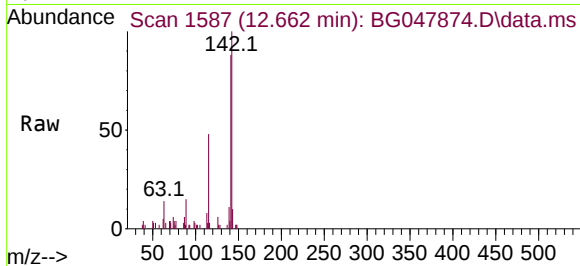




#38
1-Methylnaphthalene
Concen: 3.05 ng
RT: 12.662 min Scan# 1587
Delta R.T. -0.224 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

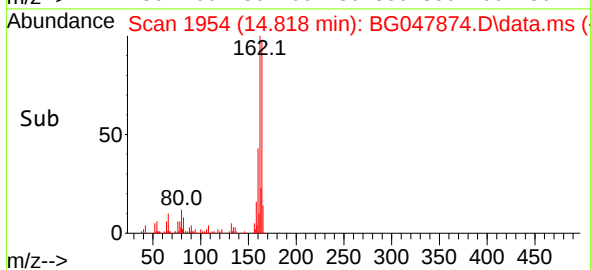
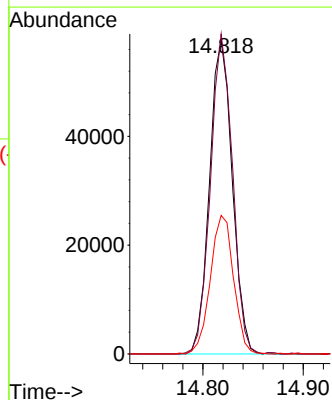
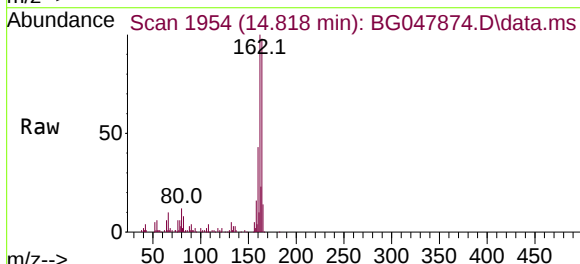
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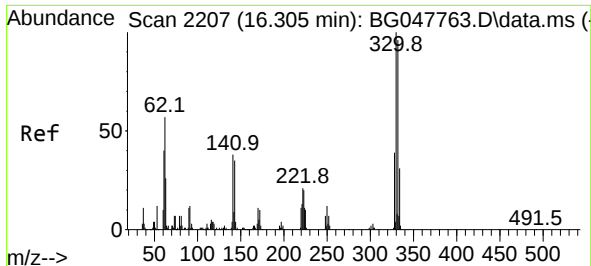
Tgt Ion:142 Resp: 15539
Ion Ratio Lower Upper
142 100
141 88.4 75.4 113.2
116 3.2 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.818 min Scan# 1954
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:164 Resp: 91084
Ion Ratio Lower Upper
164 100
162 101.9 82.3 123.5
160 44.1 35.3 52.9

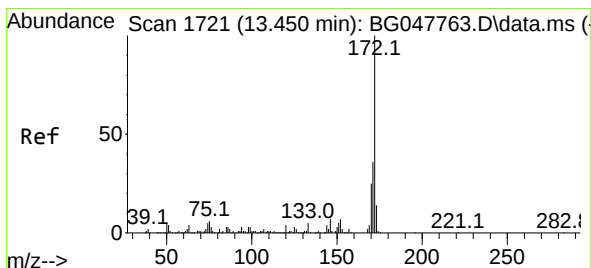
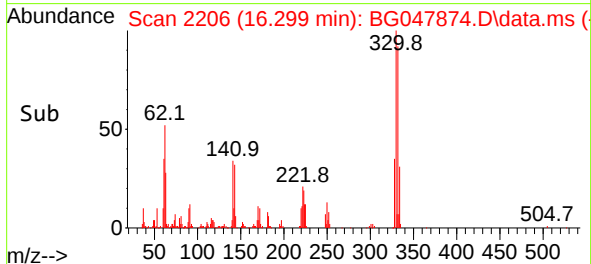
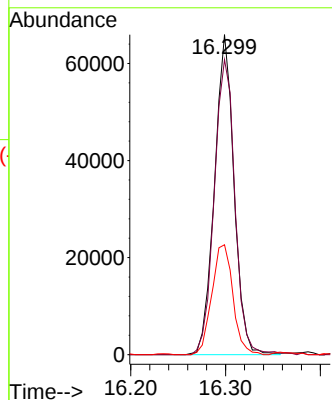
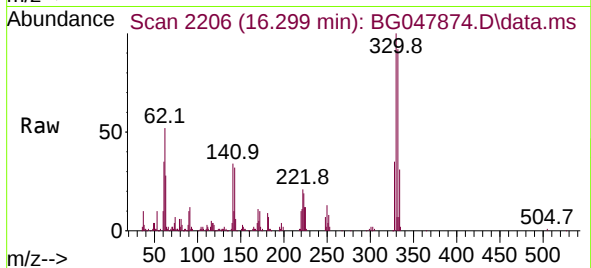




#42
2,4,6-Tribromophenol
Concen: 60.71 ng
RT: 16.299 min Scan# 2206
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

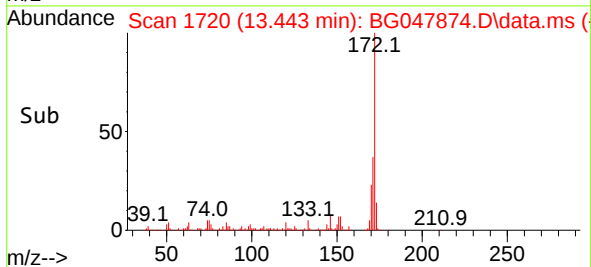
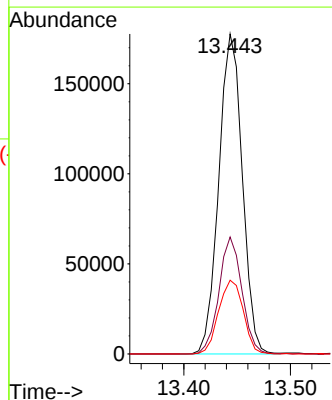
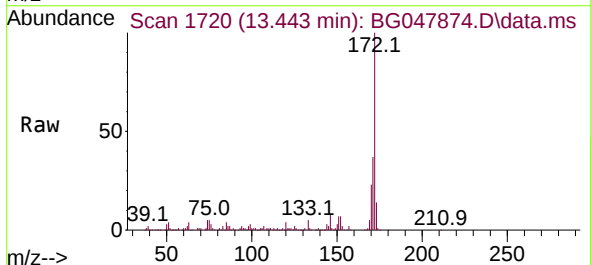
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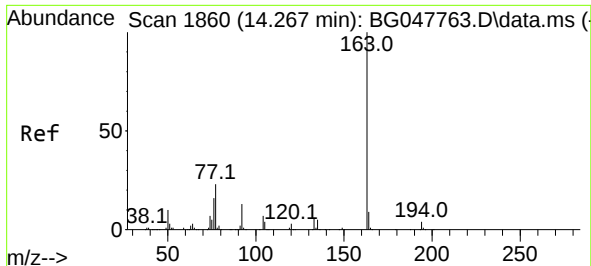
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.5	114.7
141	37.1	26.0	39.0



#45
2-Fluorobiphenyl
Concen: 38.68 ng
RT: 13.443 min Scan# 1720
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.3	46.9
170	23.1	20.8	31.2

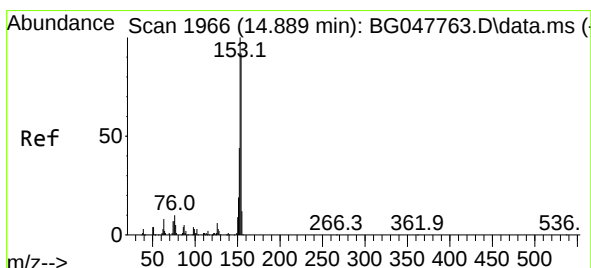
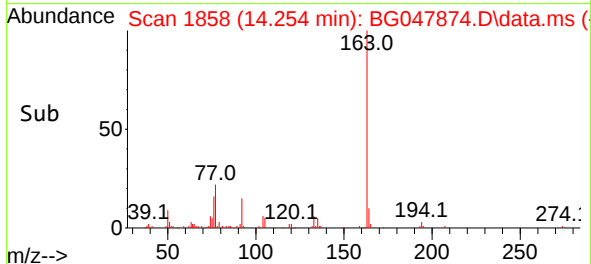
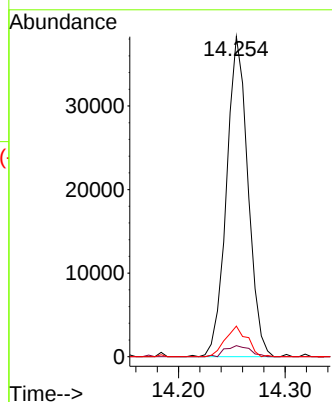
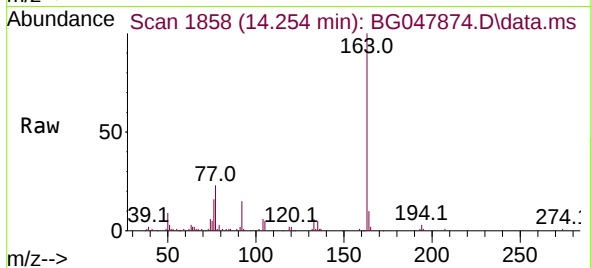




#50
Dimethylphthalate
Concen: 6.81 ng
RT: 14.254 min Scan# 1858
Delta R.T. -0.013 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

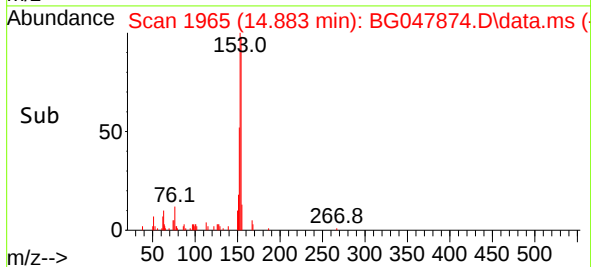
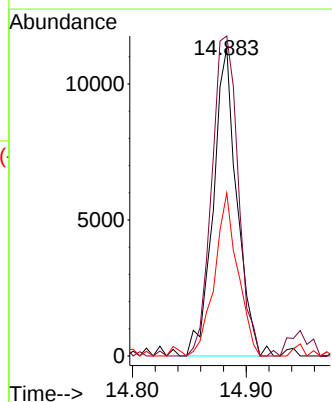
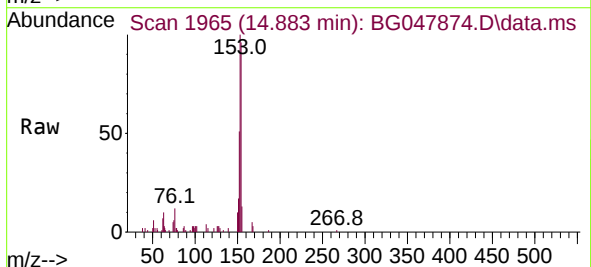
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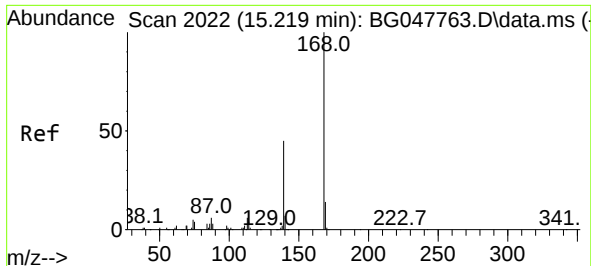
Tgt Ion:163 Resp: 53454
Ion Ratio Lower Upper
163 100
194 3.5 3.8 5.8#
164 9.6 8.8 13.2



#52
Acenaphthene
Concen: 2.77 ng
RT: 14.883 min Scan# 1965
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:154 Resp: 16385
Ion Ratio Lower Upper
154 100
153 103.9 90.3 135.5
152 52.9 43.8 65.8

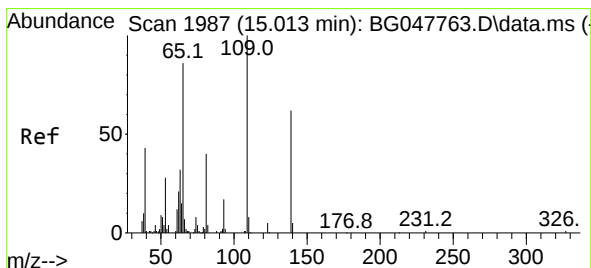
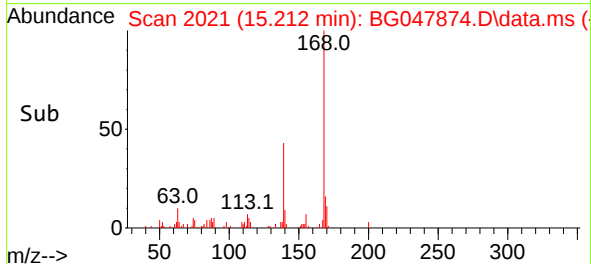
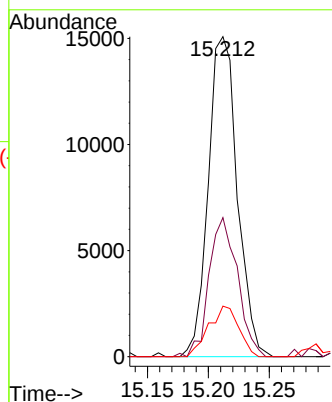
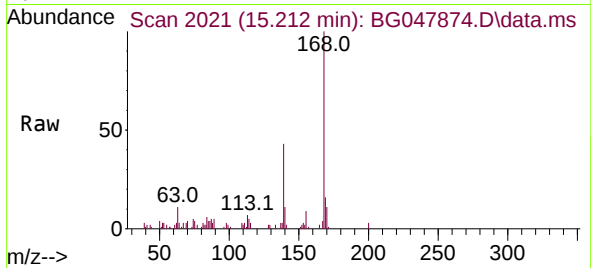




#55
Dibenzofuran
Concen: 2.92 ng
RT: 15.212 min Scan# 2021
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

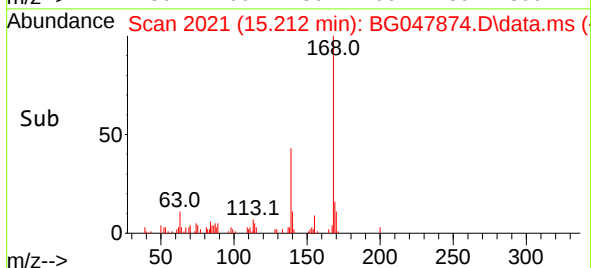
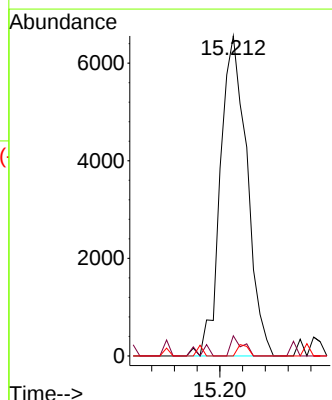
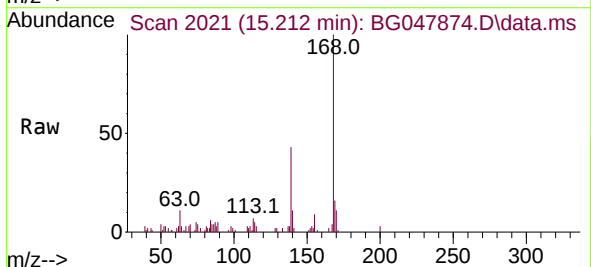
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

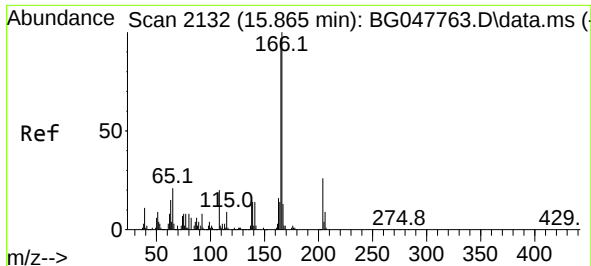
Tgt Ion:168 Resp: 25012
Ion Ratio Lower Upper
168 100
139 43.5 28.6 43.0#
169 15.8 11.0 16.6



#56
4-Nitrophenol
Concen: 9.33 ng
RT: 15.212 min Scan# 2021
Delta R.T. 0.199 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:139 Resp: 10641
Ion Ratio Lower Upper
139 100
109 6.3 45.9 85.9#
65 3.0 65.4 105.4#

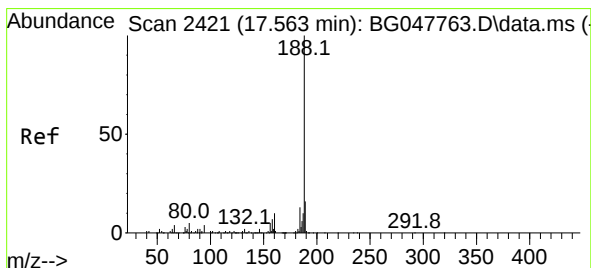
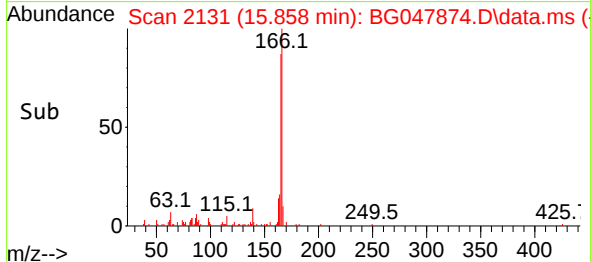
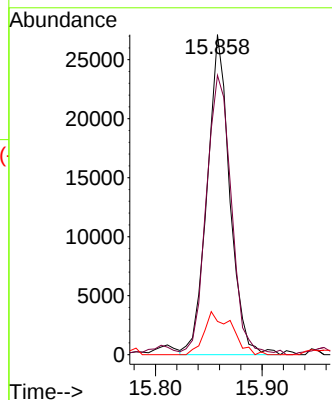
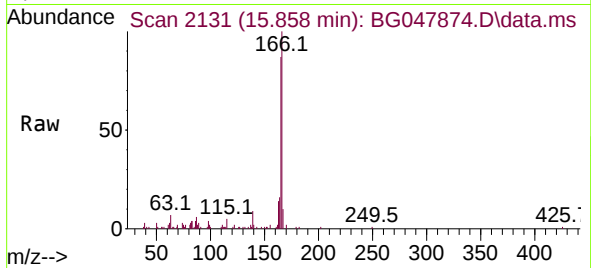




#58
Fluorene
Concen: 5.48 ng
RT: 15.858 min Scan# 2131
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

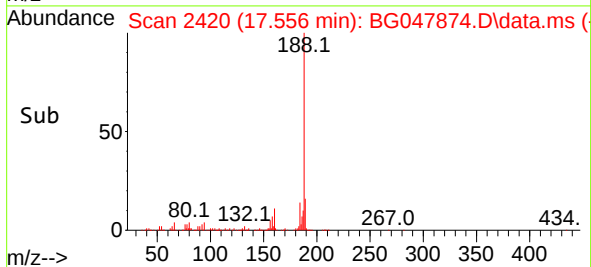
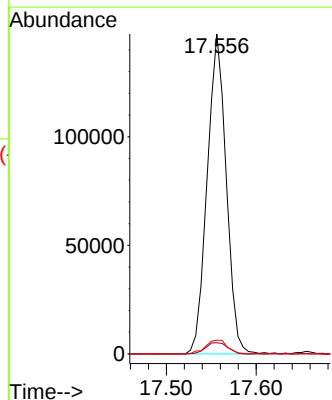
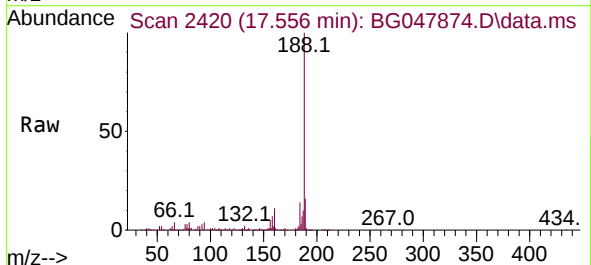
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

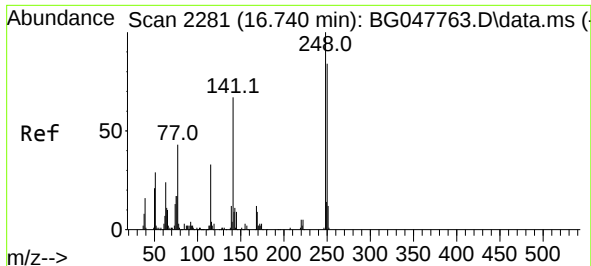
Tgt Ion:166 Resp: 39928
Ion Ratio Lower Upper
166 100
165 87.3 77.2 115.8
167 10.4 11.4 17.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.556 min Scan# 2420
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:188 Resp: 216944
Ion Ratio Lower Upper
188 100
94 3.5 6.3 9.5#
80 4.3 7.0 10.6#

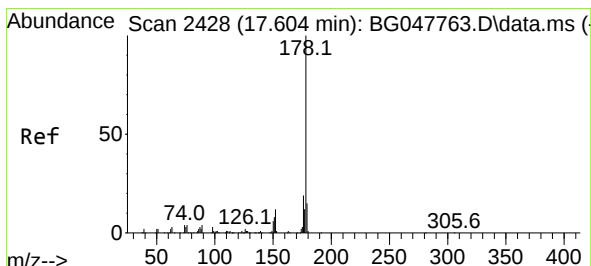
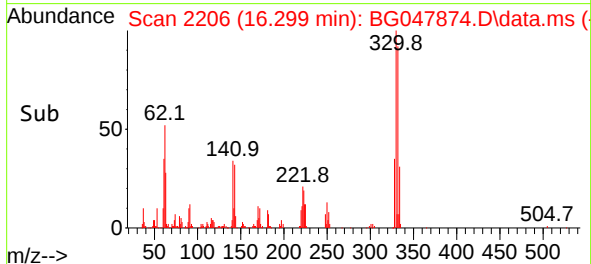
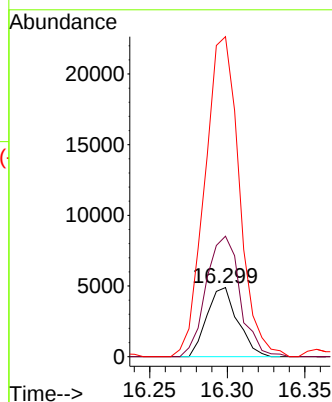
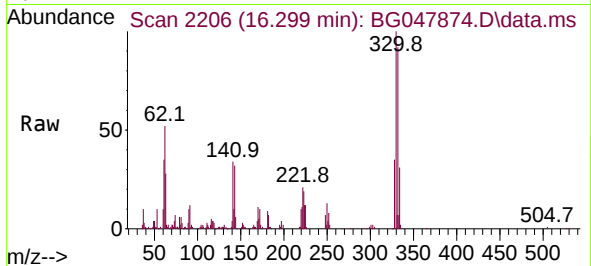




#67
4-Bromophenyl-phenylether
Concen: 2.31 ng
RT: 16.299 min Scan# 2206
Delta R.T. -0.441 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

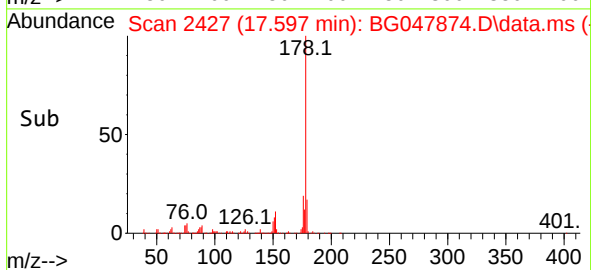
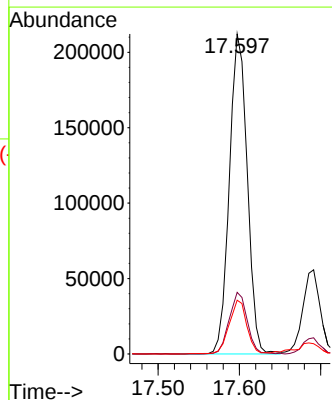
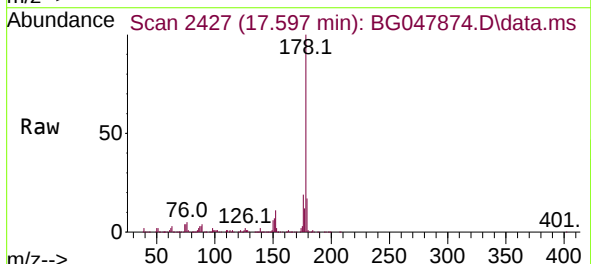
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

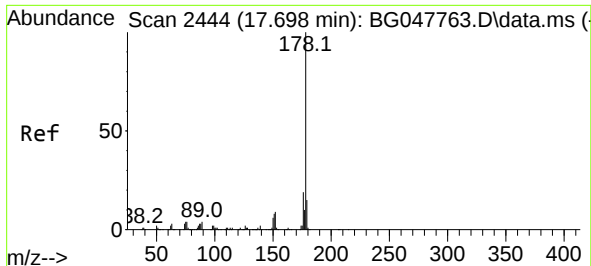
Tgt Ion:248 Resp: 6734
Ion Ratio Lower Upper
248 100
250 174.1 78.9 118.3#
141 462.7 46.2 69.4#



#71
Phenanthrene
Concen: 27.74 ng
RT: 17.597 min Scan# 2427
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:178 Resp: 324446
Ion Ratio Lower Upper
178 100
176 19.3 16.7 25.1
179 16.8 14.0 21.0

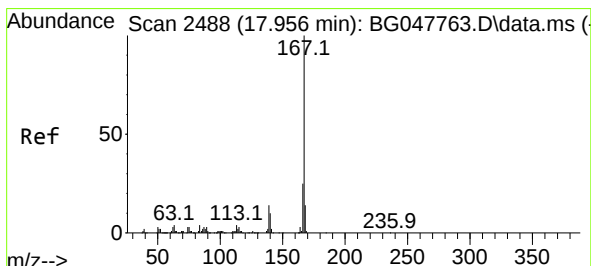
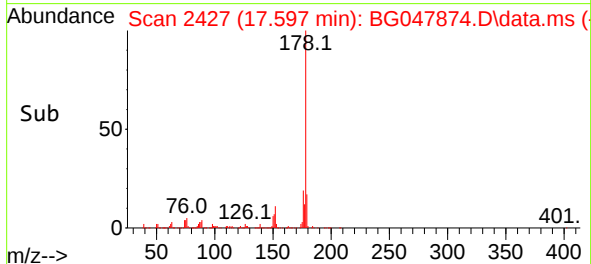
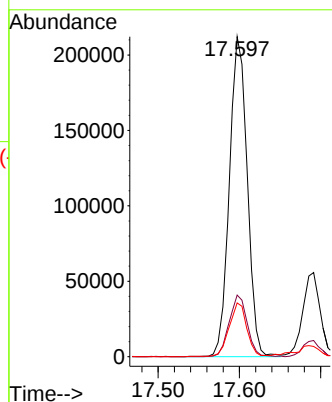
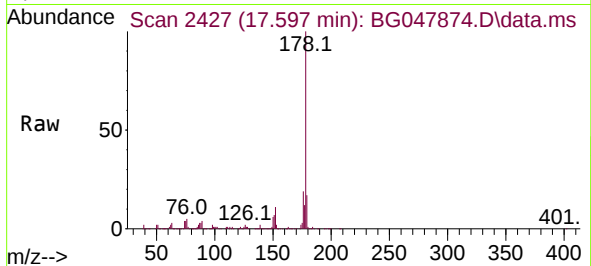




#72
 Anthracene
 Concen: 28.61 ng
 RT: 17.597 min Scan# 2427
 Delta R.T. -0.101 min
 Lab File: BG047874.D
 Acq: 5 Jan 2021 19:37

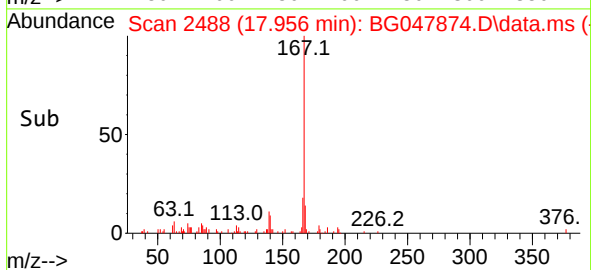
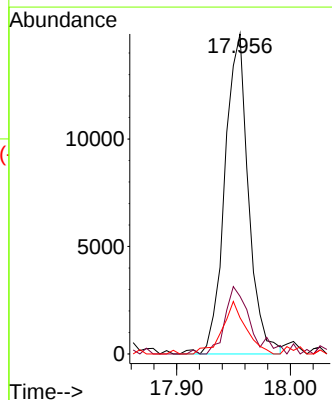
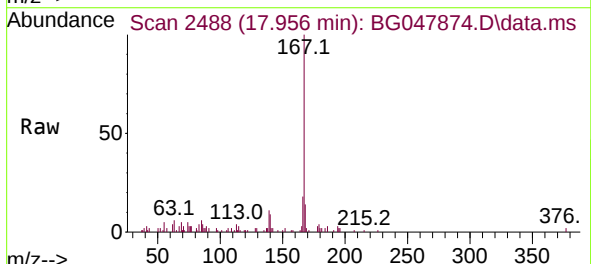
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-010421

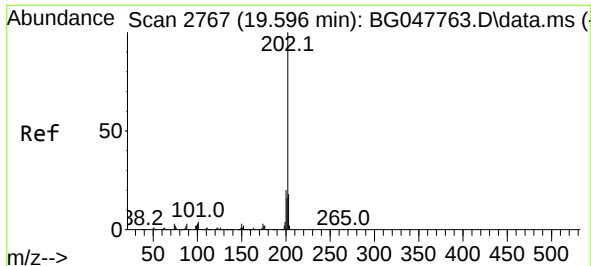
Tgt Ion:178 Resp: 324446
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.4 24.6
 179 16.8 13.8 20.6



#73
 Carbazole
 Concen: 2.16 ng
 RT: 17.956 min Scan# 2488
 Delta R.T. -0.001 min
 Lab File: BG047874.D
 Acq: 5 Jan 2021 19:37

Tgt Ion:167 Resp: 21485
 Ion Ratio Lower Upper
 167 100
 166 18.0 18.7 28.1#
 139 11.3 9.6 14.4

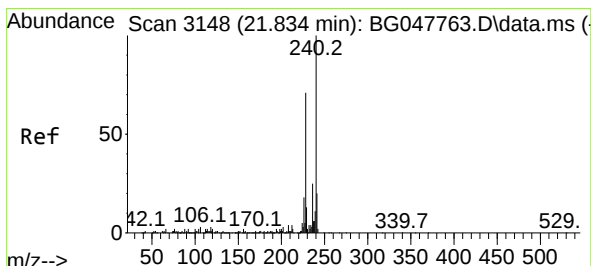
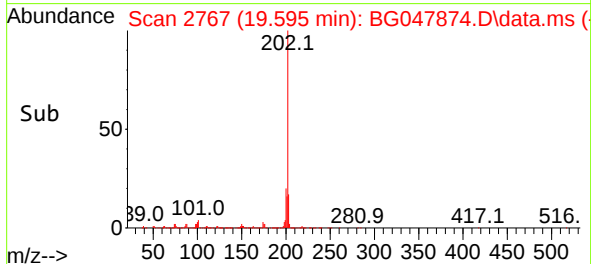
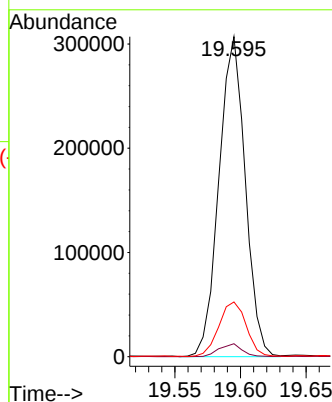
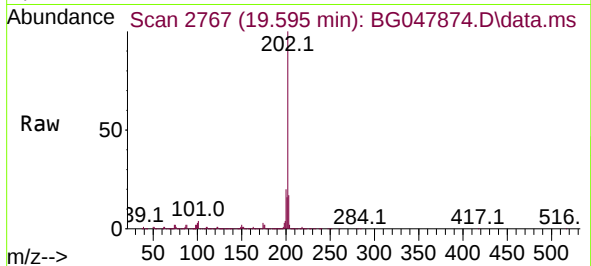




#75
Fluoranthene
Concen: 27.30 ng
RT: 19.595 min Scan# 2767
Delta R.T. -0.001 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

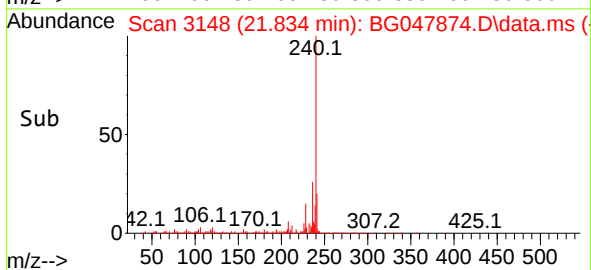
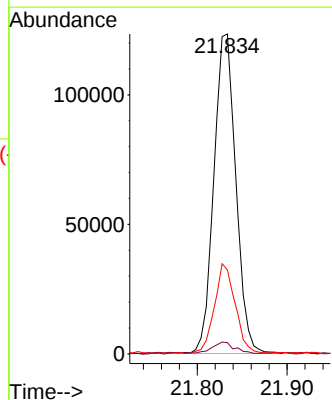
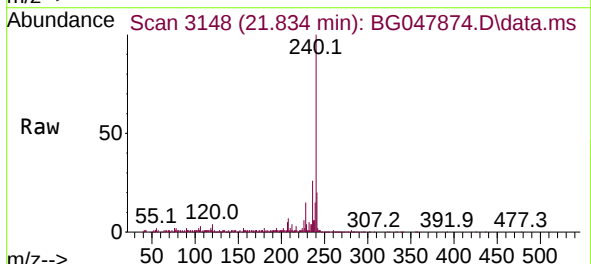
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

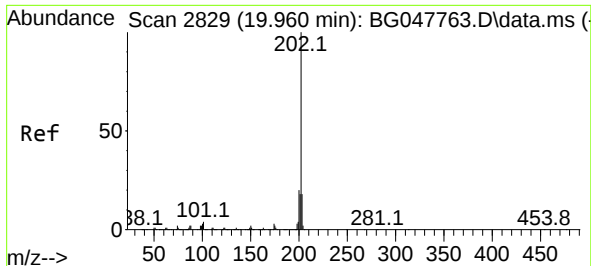
Tgt Ion:202 Resp: 427990
Ion Ratio Lower Upper
202 100
101 4.1 0.0 29.7
203 17.1 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.834 min Scan# 3148
Delta R.T. -0.001 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:240 Resp: 209775
Ion Ratio Lower Upper
240 100
120 3.6 6.2 9.4#
236 26.3 20.5 30.7

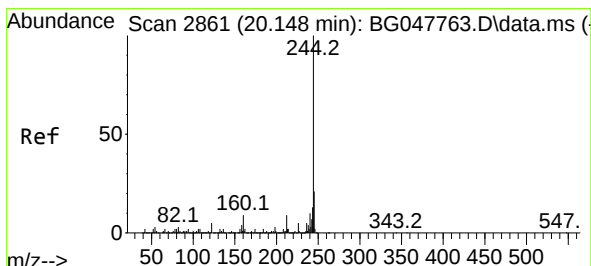
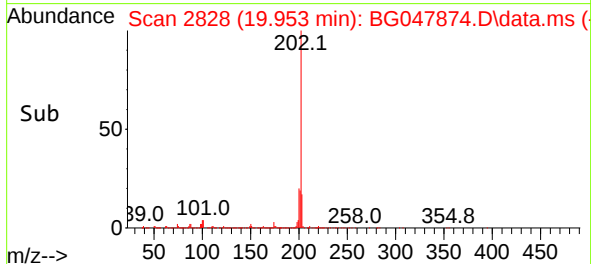
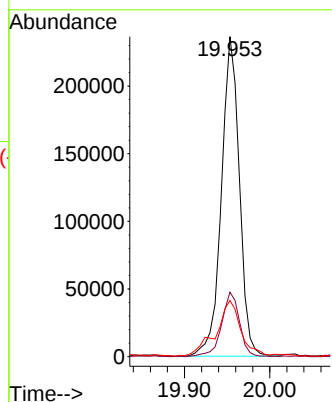
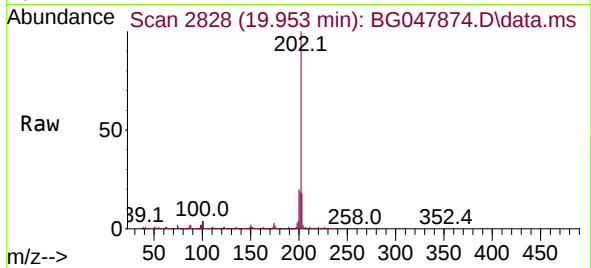




#78
Pyrene
Concen: 23.06 ng
RT: 19.953 min Scan# 2828
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

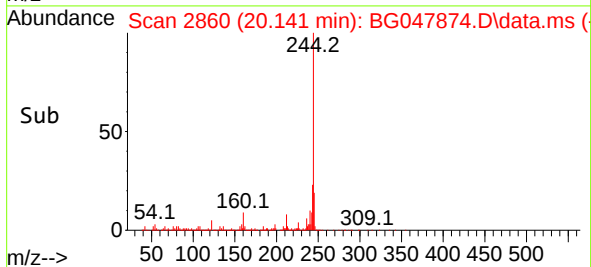
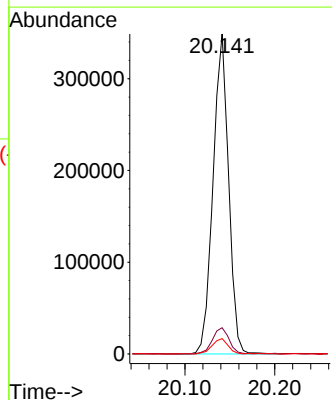
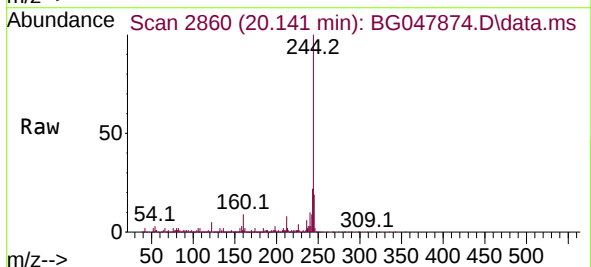
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

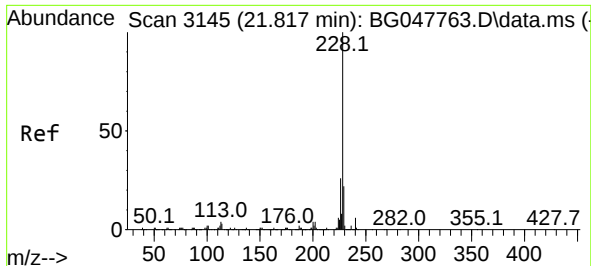
Tgt Ion:202 Resp: 346606
Ion Ratio Lower Upper
202 100
200 20.2 18.6 27.8
203 17.5 15.3 22.9



#79
Terphenyl-d14
Concen: 32.92 ng
RT: 20.141 min Scan# 2860
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:244 Resp: 419126
Ion Ratio Lower Upper
244 100
212 8.2 6.7 10.1
122 4.8 7.8 11.6#

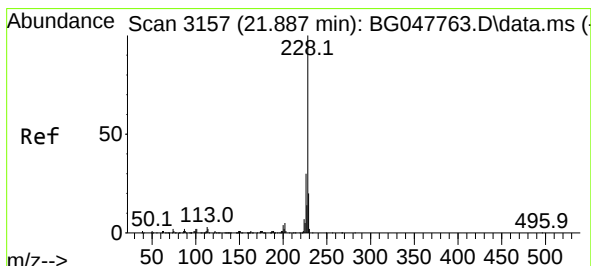
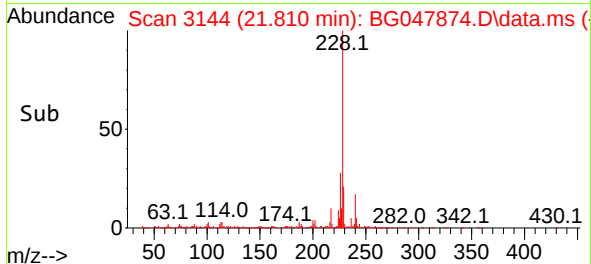
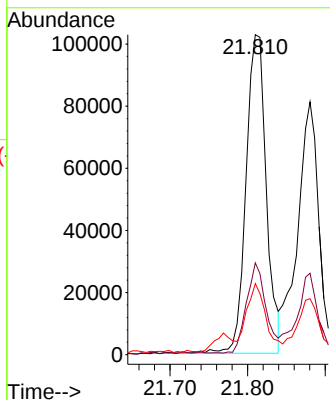
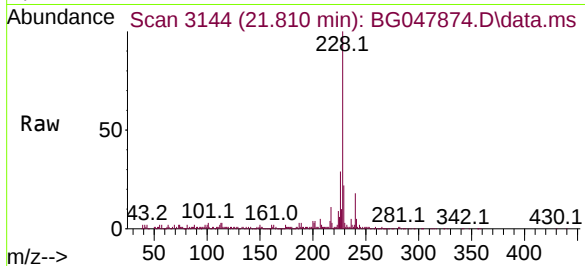




#81
Benzo(a)anthracene
Concen: 12.34 ng
RT: 21.810 min Scan# 3144
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

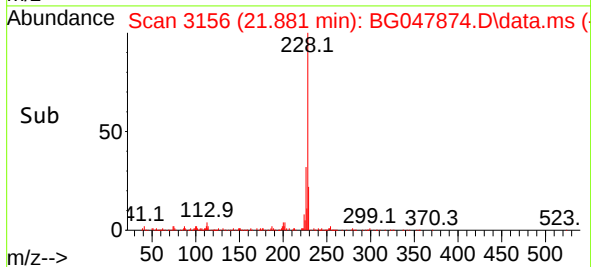
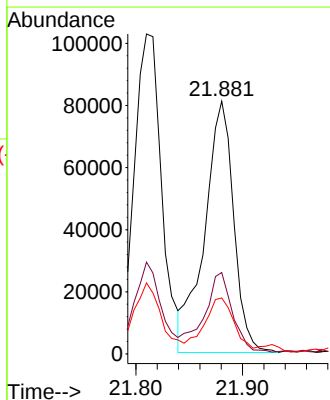
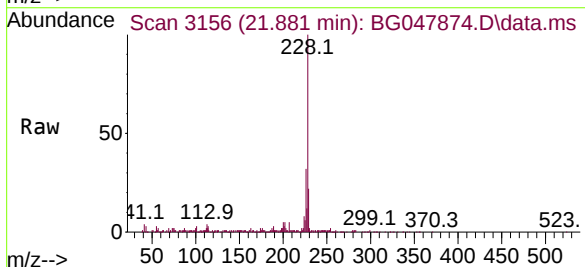
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

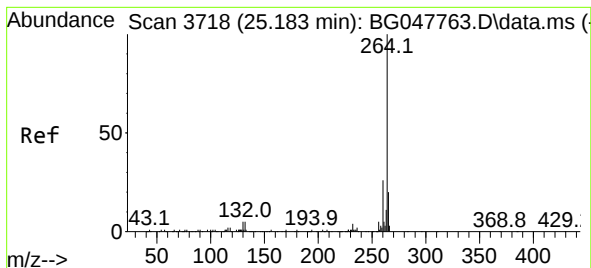
Tgt Ion:228 Resp: 185984
Ion Ratio Lower Upper
228 100
226 28.7 23.3 34.9
229 22.2 17.4 26.0



#83
Chrysene
Concen: 10.81 ng
RT: 21.881 min Scan# 3156
Delta R.T. -0.007 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:228 Resp: 153798
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.4
229 22.1 17.3 25.9

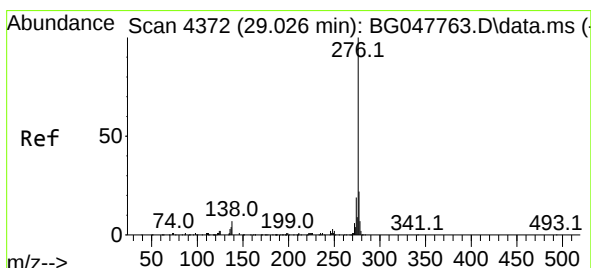
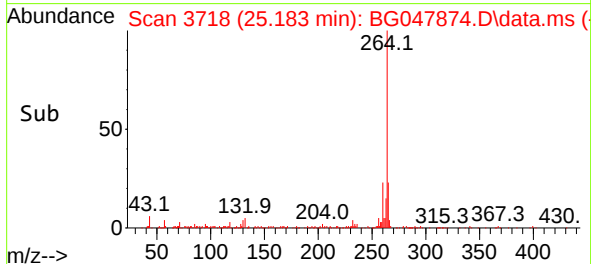
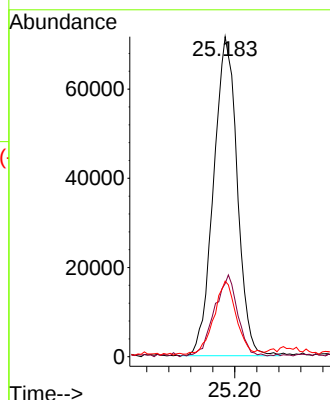
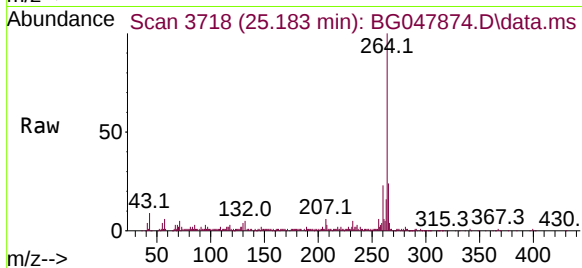




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.183 min Scan# 3718
 Delta R.T. -0.001 min
 Lab File: BG047874.D
 Acq: 5 Jan 2021 19:37

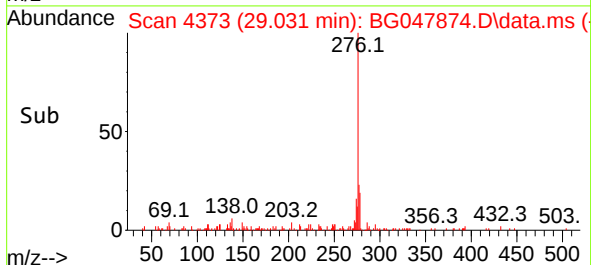
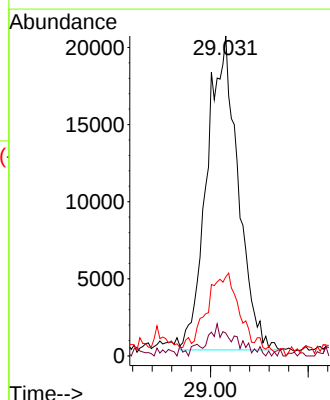
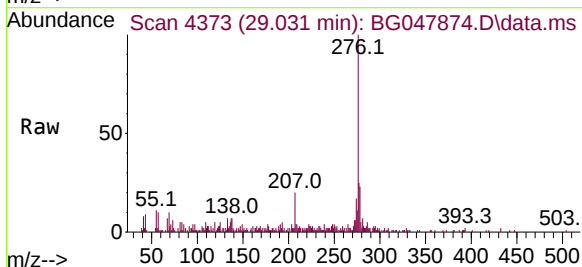
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-010421

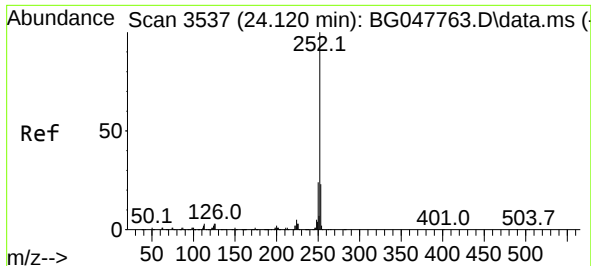
Tgt Ion:	264	Resp:	213293
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.8	28.2
265	23.6	17.8	26.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.56 ng
 RT: 29.031 min Scan# 4373
 Delta R.T. 0.005 min
 Lab File: BG047874.D
 Acq: 5 Jan 2021 19:37

Tgt Ion:	276	Resp:	90095
Ion Ratio	Lower	Upper	
276	100		
138	0.0	16.2	24.2#
277	23.2	20.3	30.5

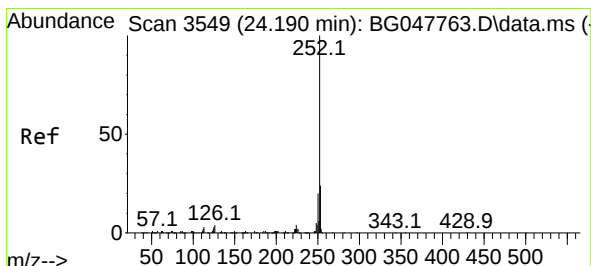
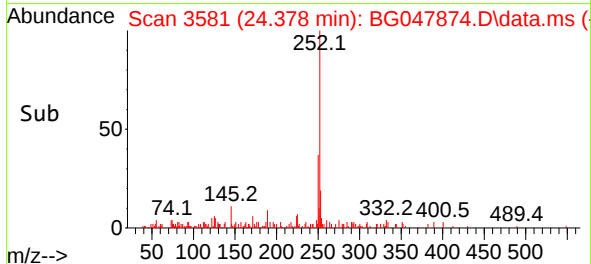
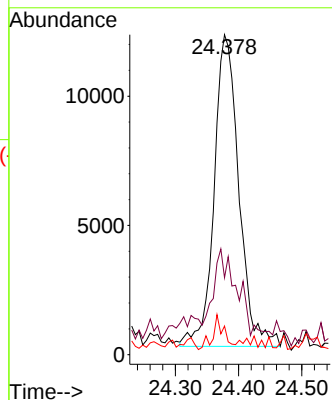
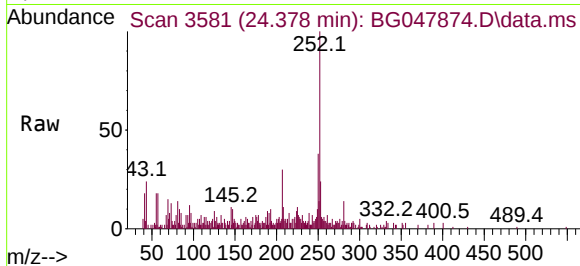




#88
Benzo(b)fluoranthene
Concen: 2.23 ng
RT: 24.378 min Scan# 3581
Delta R.T. 0.258 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

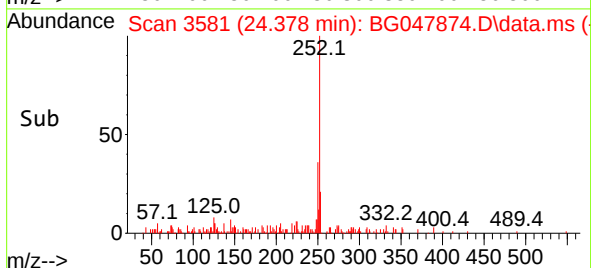
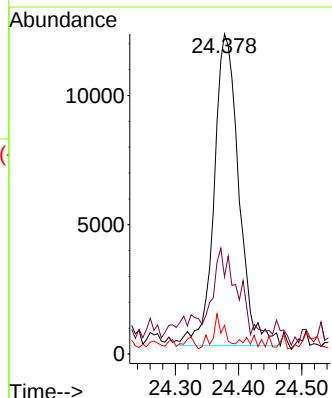
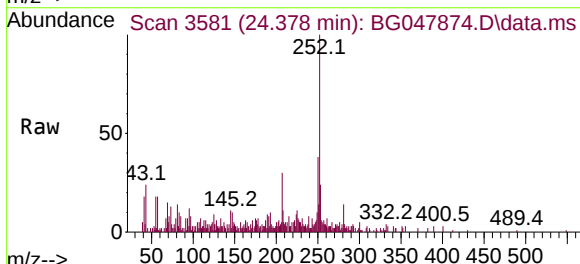
Instrument :
BNA_G
ClientSampleId :
OR-02-010421

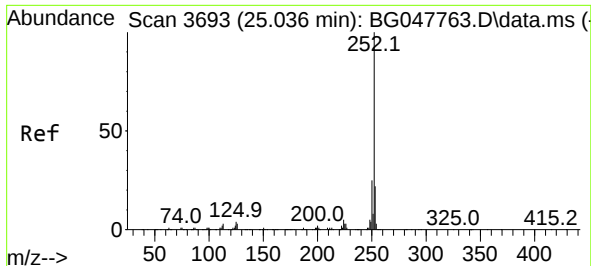
Tgt Ion:	252	Resp:	32823
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.7	28.1
125	8.9	6.5	9.7



#89
Benzo(k)fluoranthene
Concen: 2.30 ng
RT: 24.378 min Scan# 3581
Delta R.T. 0.187 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:	252	Resp:	32823
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.6	27.8
125	8.9	6.8	10.2

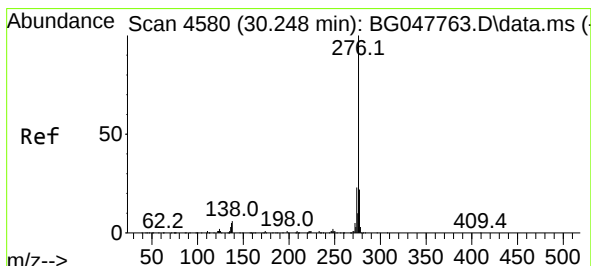
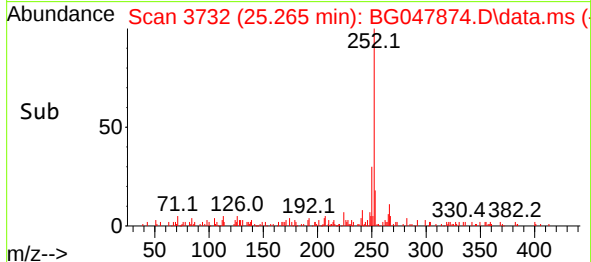
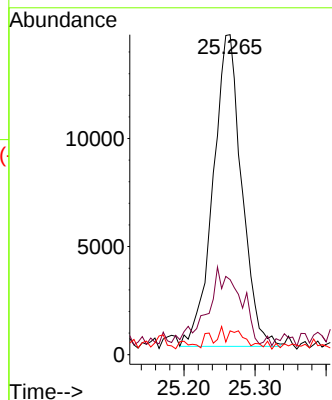
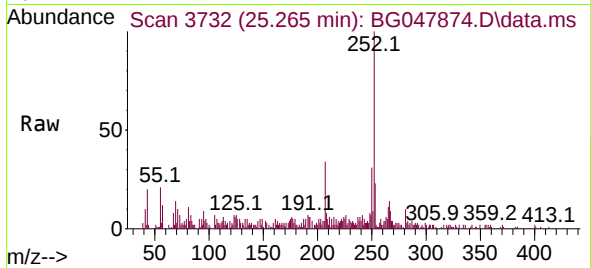




#90
Benzo(a)pyrene
Concen: 2.95 ng
RT: 25.265 min Scan# 3732
Delta R.T. 0.228 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Instrument :
BNA_G
ClientSampleId :
OR-02-010421

Tgt Ion:252 Resp: 40330
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 7.5 7.0 10.4



#92
Benzo(g,h,i)perylene
Concen: 6.31 ng
RT: 30.230 min Scan# 4577
Delta R.T. -0.018 min
Lab File: BG047874.D
Acq: 5 Jan 2021 19:37

Tgt Ion:276 Resp: 81002
Ion Ratio Lower Upper
276 100
277 19.2 19.6 29.4#
138 14.9 13.4 20.2

