

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042321\
 Data File : BG048871.D
 Acq On : 23 Apr 2021 20:12
 Operator : CG/JU
 Sample : M2107-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-30-0-2.0

Quant Time: Apr 23 23:34:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 17:33:30 2021
 Response via : Initial Calibration

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

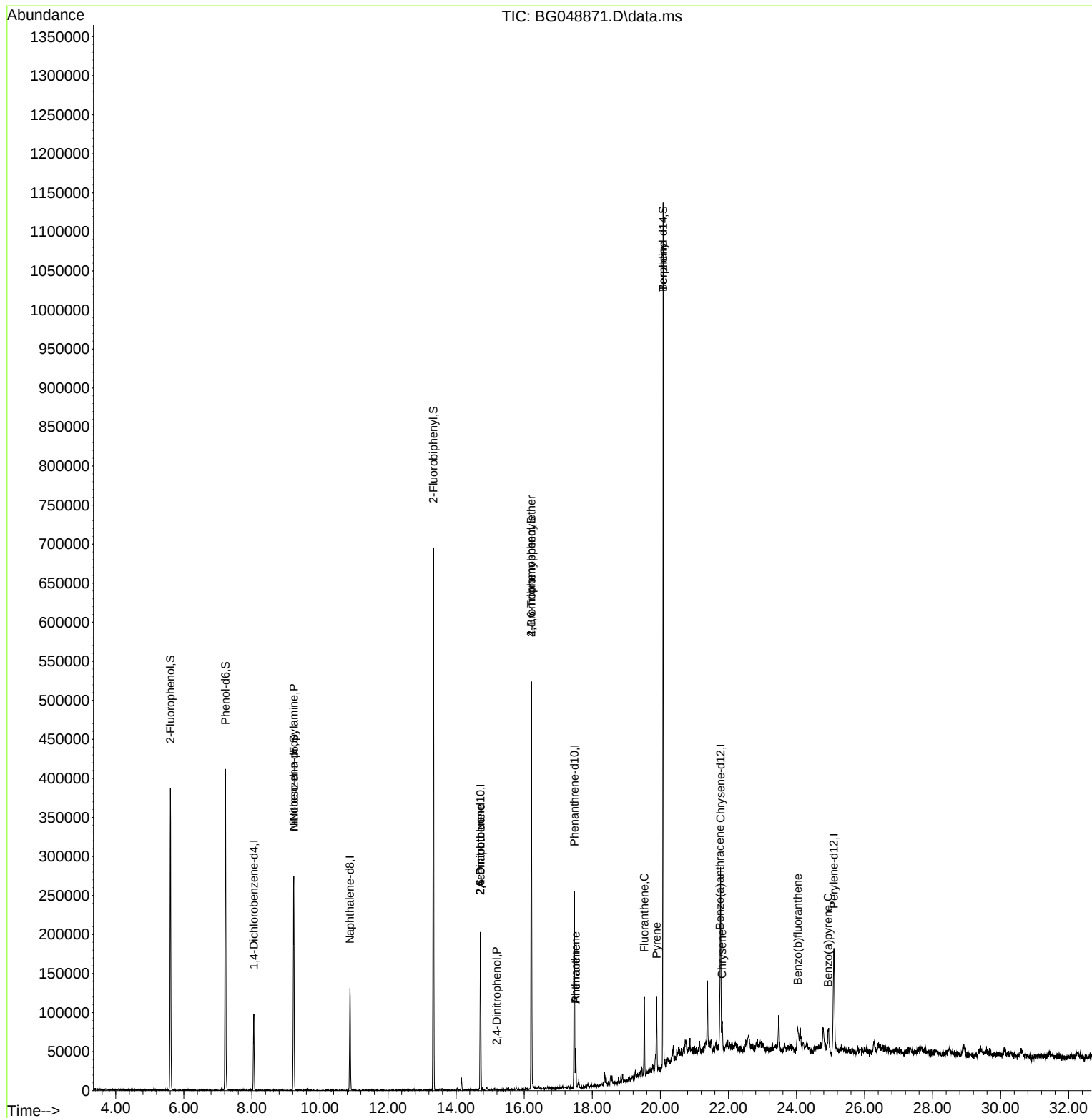
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.056	152	23422	20.00	ng	0.00
21) Naphthalene-d8	10.882	136	105439	20.00	ng	-0.01
39) Acenaphthene-d10	14.718	164	69838	20.00	ng	0.00
64) Phenanthrene-d10	17.474	188	153292	20.00	ng	# 0.00
76) Chrysene-d12	21.769	240	129605	20.00	ng	-0.01
86) Perylene-d12	25.095	264	127619	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.606	112	151182	107.96	ng	0.00
7) Phenol-d6	7.221	99	206840	104.42	ng	0.00
23) Nitrobenzene-d5	9.231	82	154783	65.72	ng	0.00
42) 2,4,6-Tribromophenol	16.211	330	85371	91.17	ng	0.00
45) 2-Fluorobiphenyl	13.332	172	338225	69.94	ng	-0.01
79) Terphenyl-d14	20.083	244	473784	62.92	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.231	70	24792	18.55	ng	# 74
51) 2,6-Dinitrotoluene	14.713	165	8911	7.37	ng	# 10
54) 2,4-Dinitrophenol	15.194	184	119	5.43	ng	# 8
57) 2,4-Dinitrotoluene	14.713	165	8911	5.08	ng	# 15
67) 4-Bromophenyl-phenylether	16.211	248	5990	3.40	ng	# 1
71) Phenanthrene	17.515	178	29450	3.70	ng	95
72) Anthracene	17.515	178	29450	3.74	ng	97
75) Fluoranthene	19.531	202	60235	5.99	ng	93
77) Benzidine	20.083	184	10110	2.87	ng	# 87
78) Pyrene	19.895	202	57276	6.39	ng	93
81) Benzo(a)anthracene	21.751	228	31182	3.52	ng	# 92
83) Chrysene	21.816	228	28494	3.38	ng	# 93
88) Benzo(b)fluoranthene	24.037	252	40251	4.65	ng	# 93
90) Benzo(a)pyrene	24.930	252	28887	3.62	ng	# 94

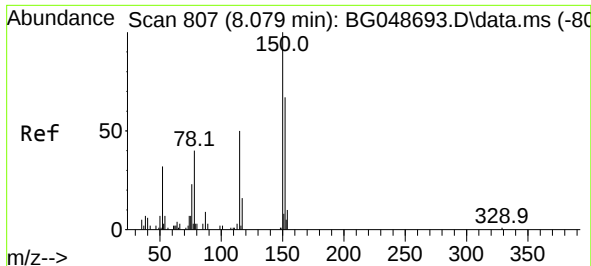
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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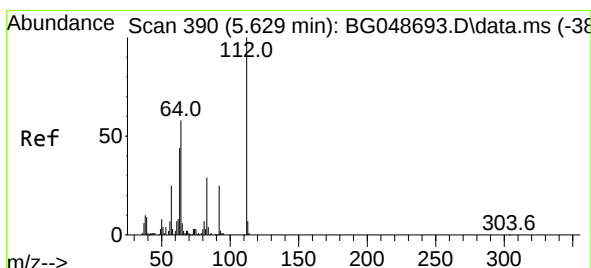
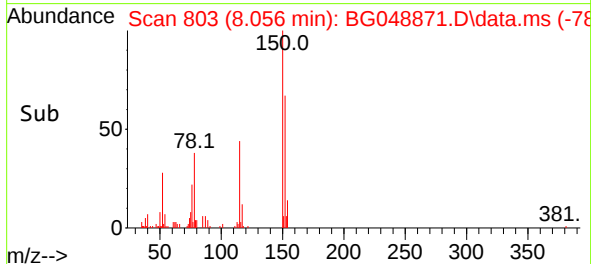
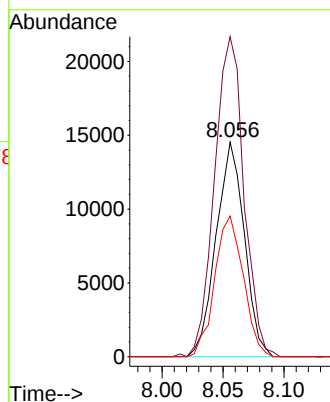
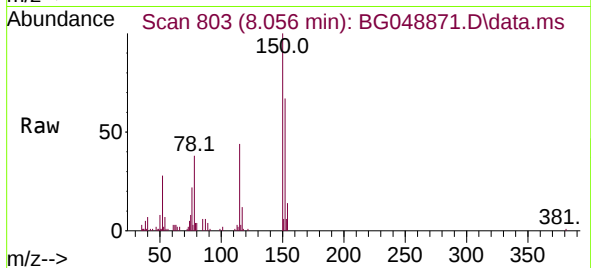




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.056 min Scan# 803
Delta R.T. -0.005 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

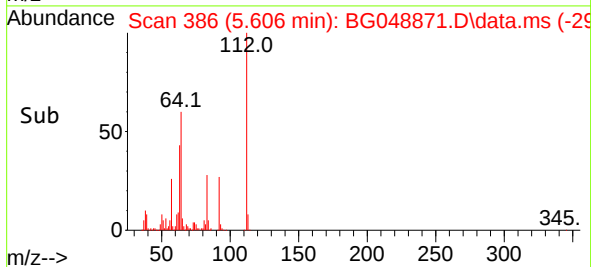
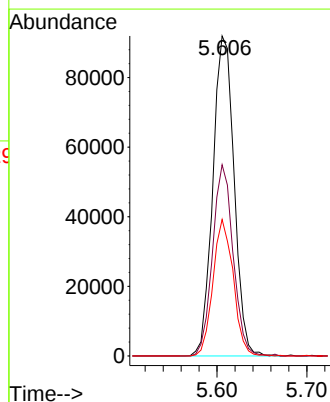
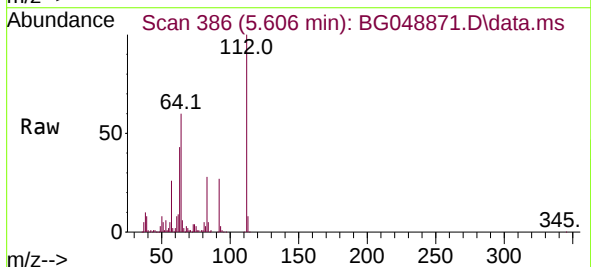
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BNA_G
ClientSampleId :
SB-30-0-2.0

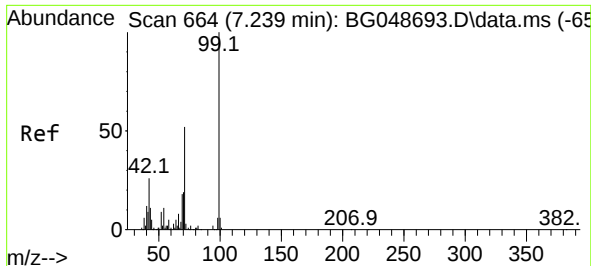
Tgt Ion:152 Resp: 23422
Ion Ratio Lower Upper
152 100
150 149.1 119.4 179.0
115 65.6 60.2 90.4



#5
2-Fluorophenol
Concen: 107.96 ng
RT: 5.606 min Scan# 386
Delta R.T. 0.000 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:112 Resp: 151182
Ion Ratio Lower Upper
112 100
64 59.8 46.7 70.1
63 42.7 35.3 52.9

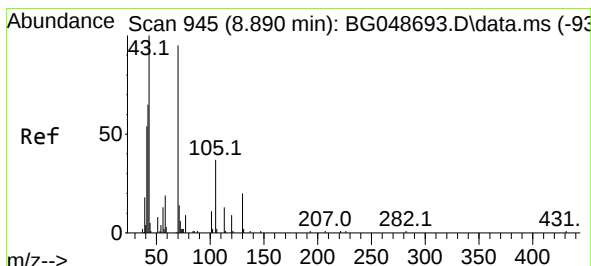
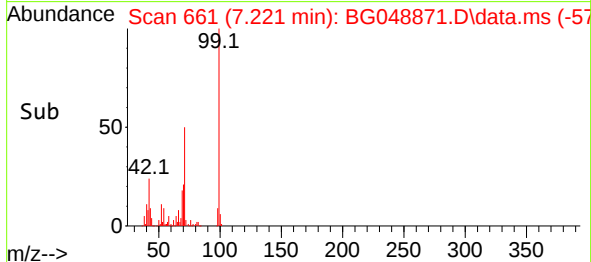
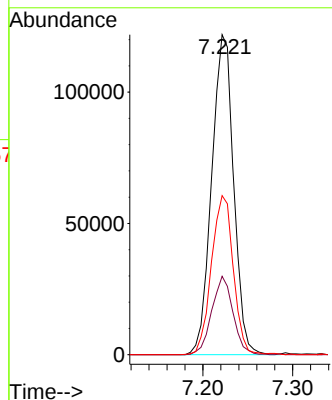
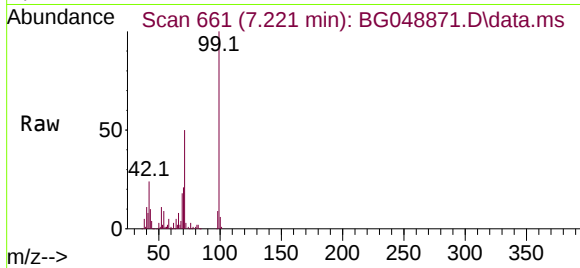




#7
Phenol-d6
Concen: 104.42 ng
RT: 7.221 min Scan# 661
Delta R.T. 0.000 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

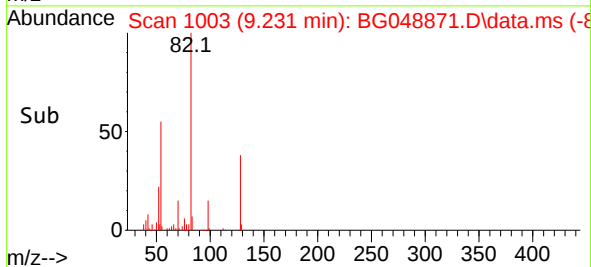
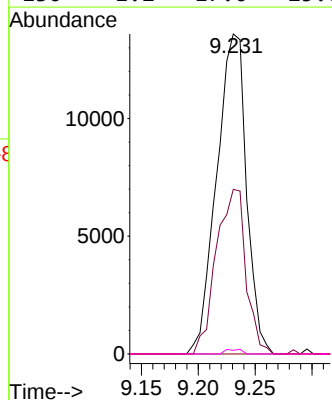
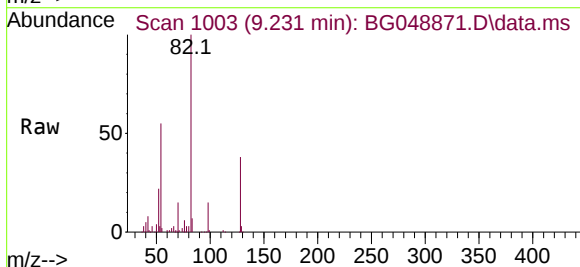
Instrument :
BNA_G
ClientSampleId :
SB-30-0-2.0

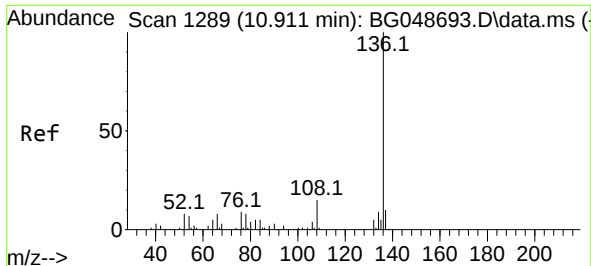
Tgt Ion: 99 Resp: 206840
Ion Ratio Lower Upper
99 100
42 24.5 20.5 30.7
71 49.7 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.55 ng
RT: 9.231 min Scan# 1003
Delta R.T. 0.359 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion: 70 Resp: 24792
Ion Ratio Lower Upper
70 100
42 51.5 54.5 81.7#
101 0.0 9.0 13.6#
130 1.2 17.0 25.6#

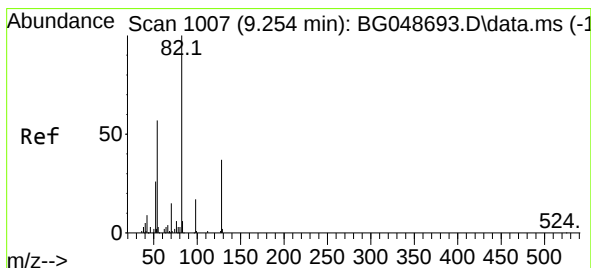
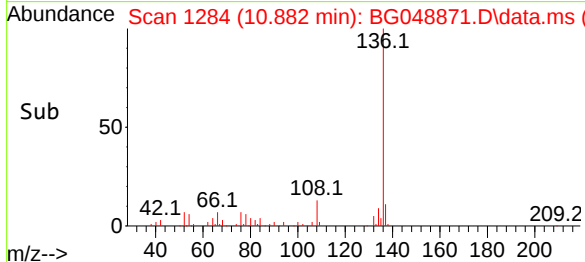
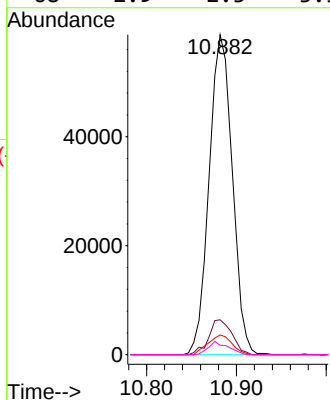
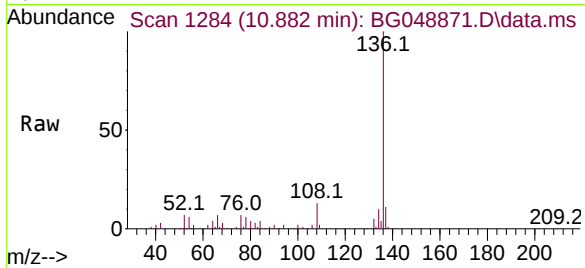




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.882 min Scan# 1284
Delta R.T. -0.011 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

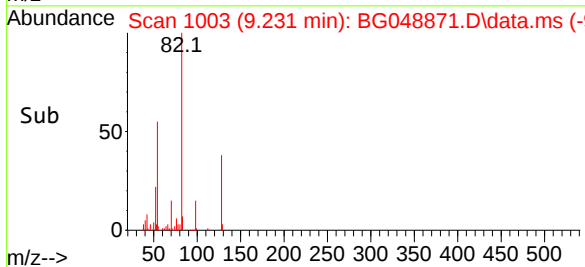
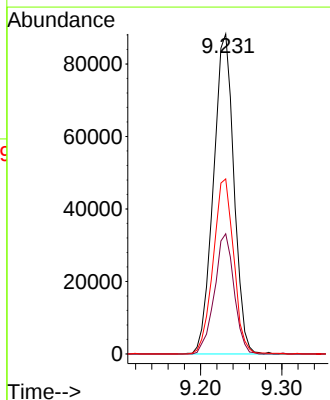
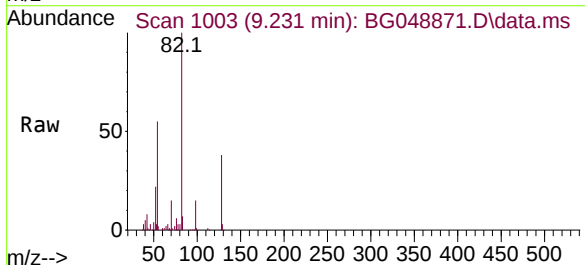
Instrument :
BNA_G
ClientSampleId :
SB-30-0-2.0

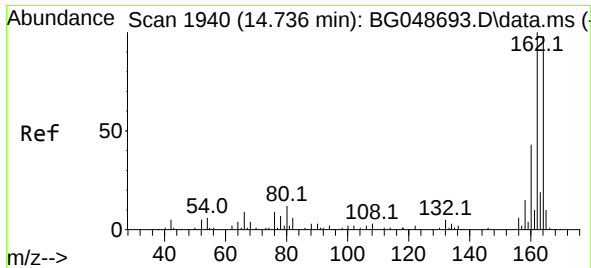
Tgt Ion:	136	Resp:	105439
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.2
54	6.2	5.5	8.3
68	2.9	2.3	3.5



#23
Nitrobenzene-d5
Concen: 65.72 ng
RT: 9.231 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:	82	Resp:	154783
Ion Ratio	Lower	Upper	
82	100		
128	37.5	29.8	44.6
54	54.7	45.8	68.8

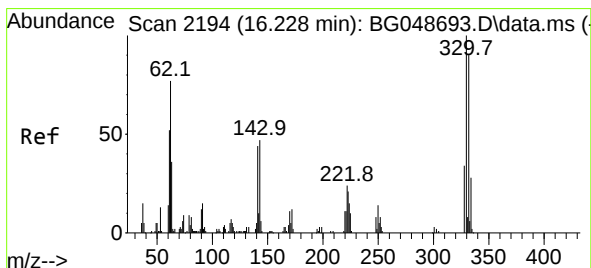
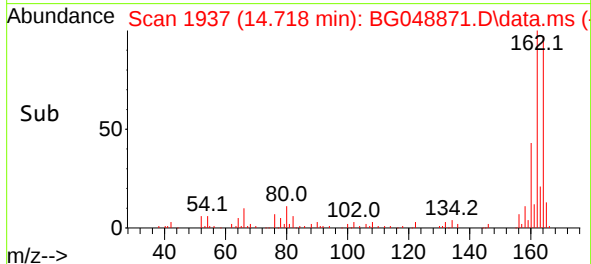
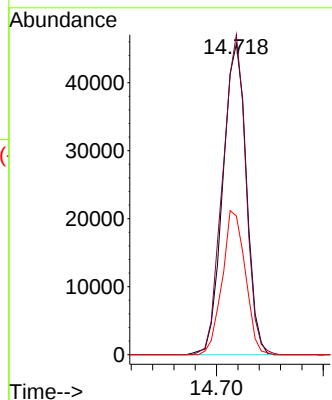
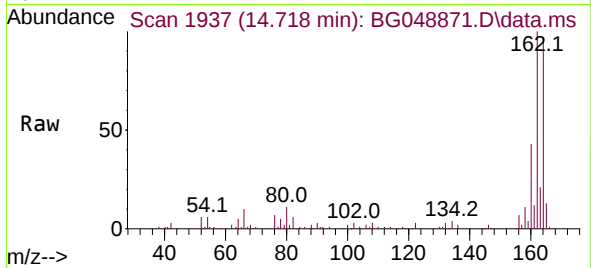




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.718 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

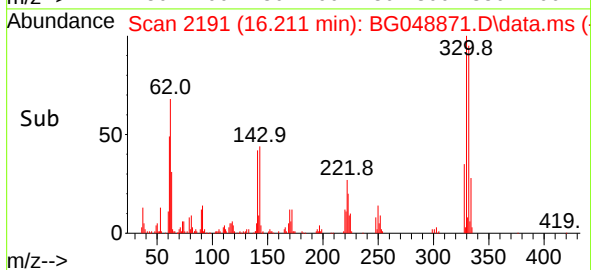
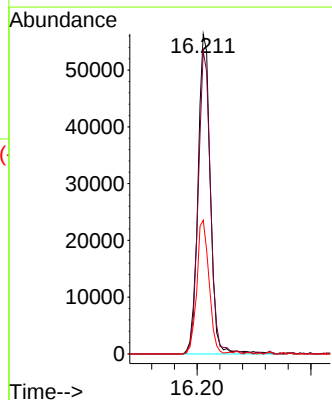
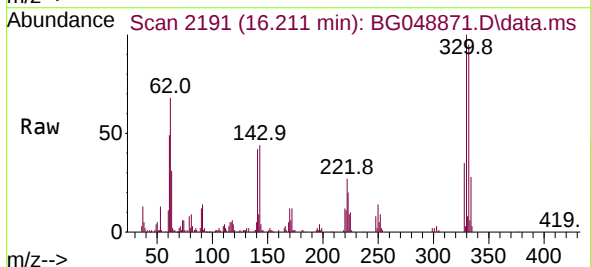
Instrument :
BNA_G
ClientSampleId :
SB-30-0-2.0

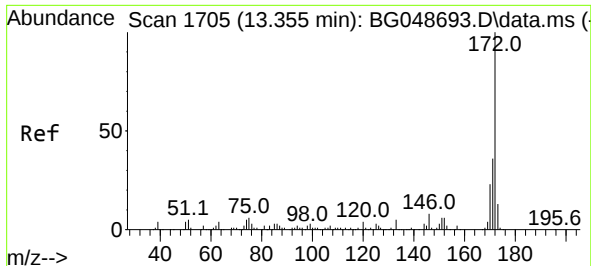
Tgt Ion:164 Resp: 69838
Ion Ratio Lower Upper
164 100
162 103.0 81.4 122.0
160 44.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 91.17 ng
RT: 16.211 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:330 Resp: 85371
Ion Ratio Lower Upper
330 100
332 93.9 77.3 115.9
141 41.2 35.6 53.4

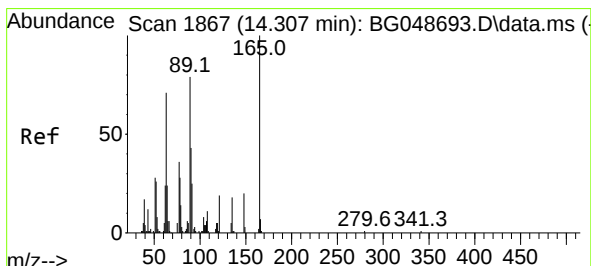
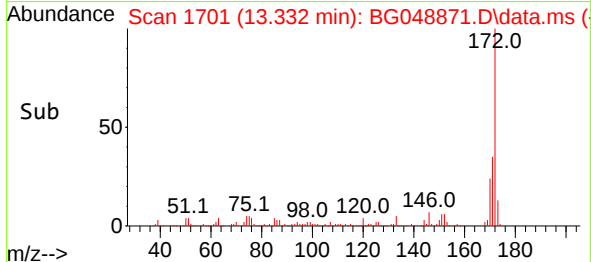
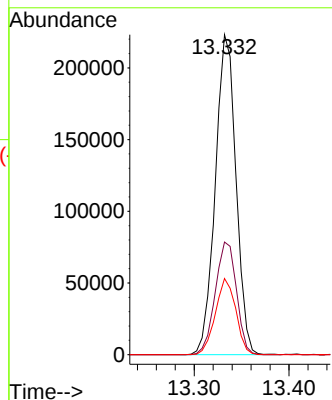
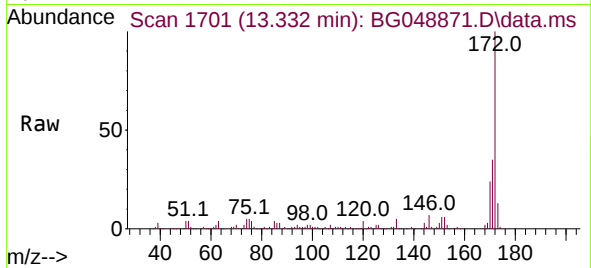




#45
2-Fluorobiphenyl
Concen: 69.94 ng
RT: 13.332 min Scan# 1701
Delta R.T. -0.011 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

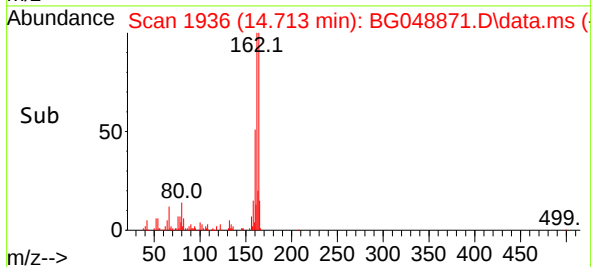
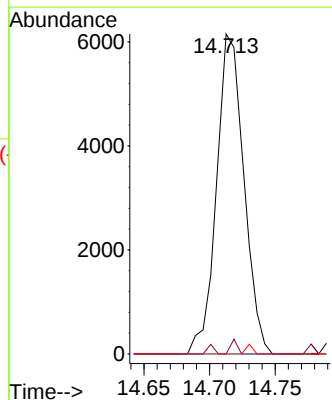
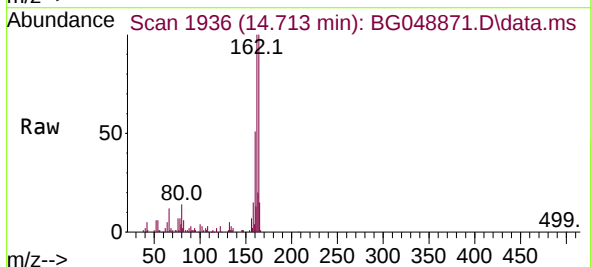
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ClientSampleID :
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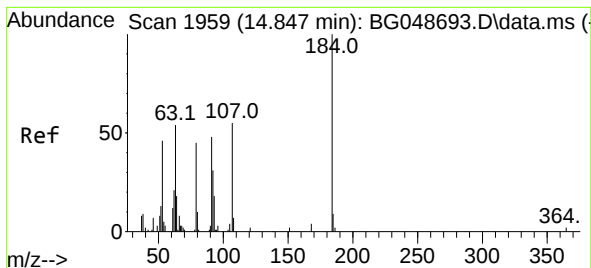
Tgt Ion:172 Resp: 338225
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.37 ng
RT: 14.713 min Scan# 1936
Delta R.T. 0.418 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:165 Resp: 8911
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#

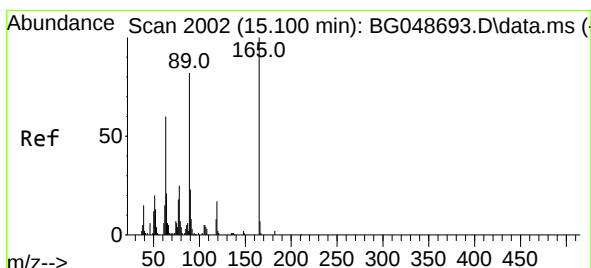
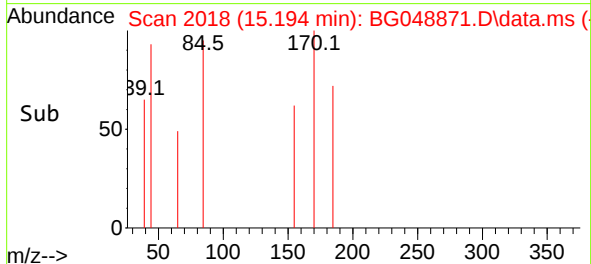
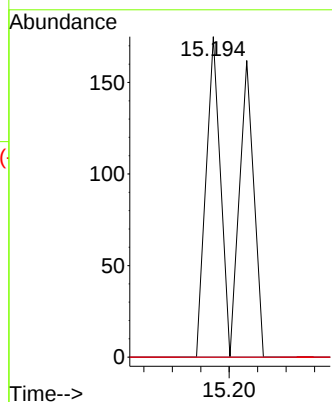
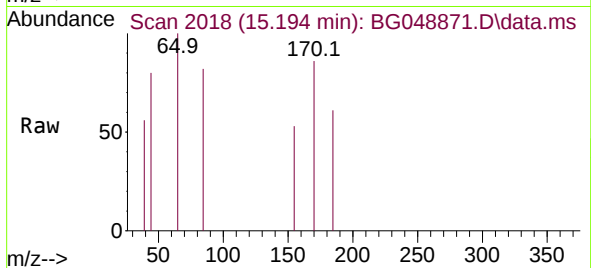




#54
2,4-Dinitrophenol
Concen: 5.43 ng
RT: 15.194 min Scan# 2018
Delta R.T. 0.359 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

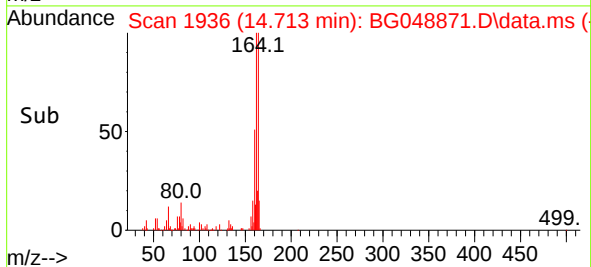
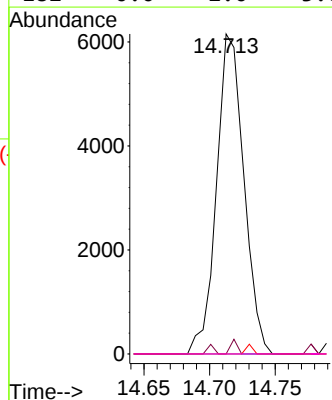
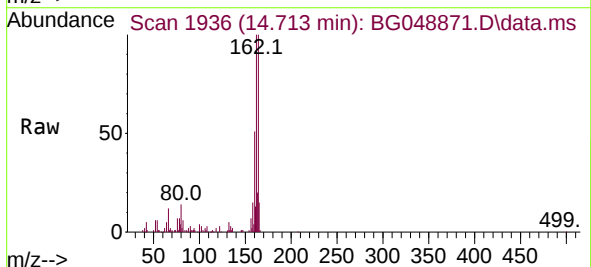
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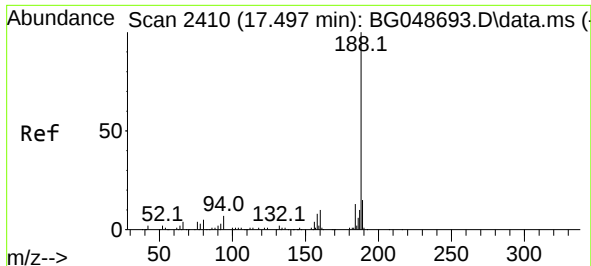
Tgt Ion:184 Resp: 119
Ion Ratio Lower Upper
184 100
63 0.0 68.3 102.5#
154 0.0 62.6 93.8#



#57
2,4-Dinitrotoluene
Concen: 5.08 ng
RT: 14.713 min Scan# 1936
Delta R.T. -0.370 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:165 Resp: 8911
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

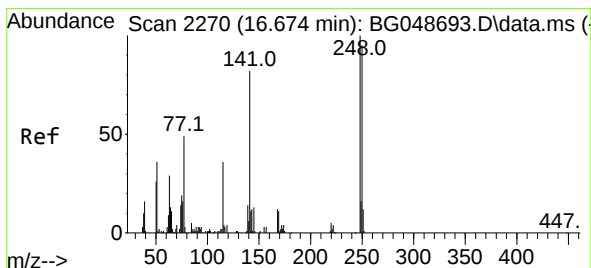
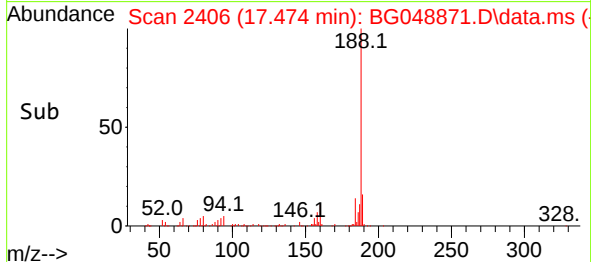
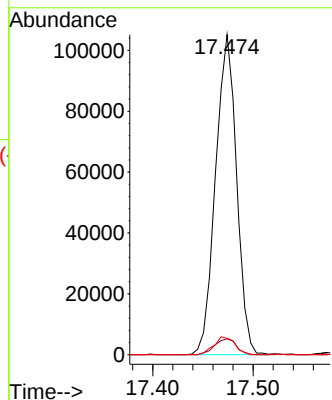
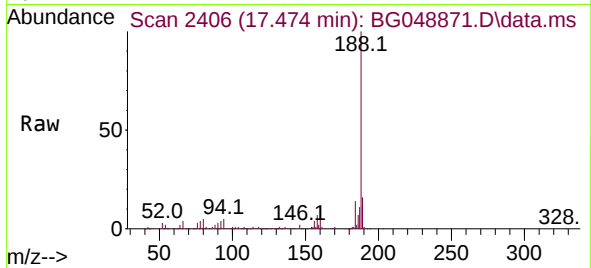




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.474 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

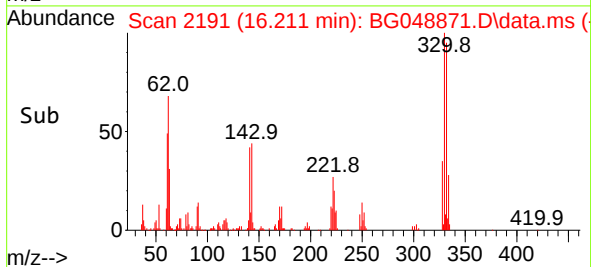
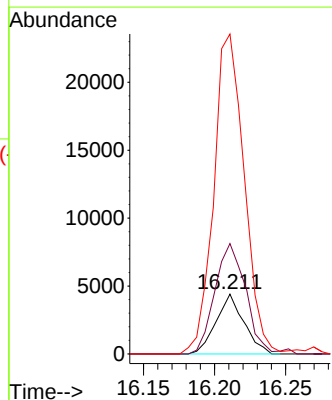
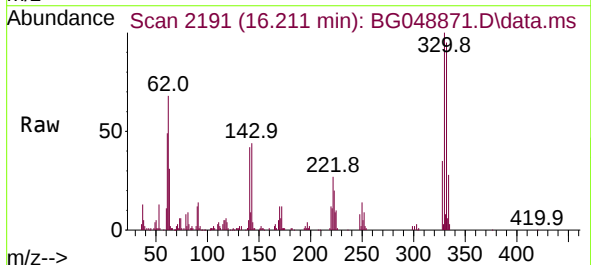
Instrument :
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SB-30-0-2.0

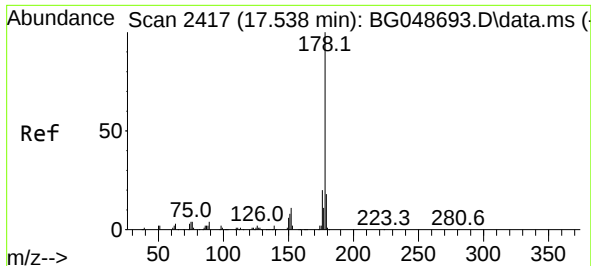
Tgt Ion:188 Resp: 153292
Ion Ratio Lower Upper
188 100
94 5.0 5.4 8.0#
80 5.1 3.7 5.5



#67
4-Bromophenyl-phenylether
Concen: 3.40 ng
RT: 16.211 min Scan# 2191
Delta R.T. -0.452 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:248 Resp: 5990
Ion Ratio Lower Upper
248 100
250 184.4 76.1 114.1#
141 534.6 65.4 98.2#

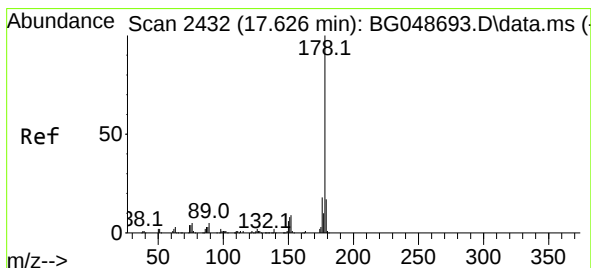
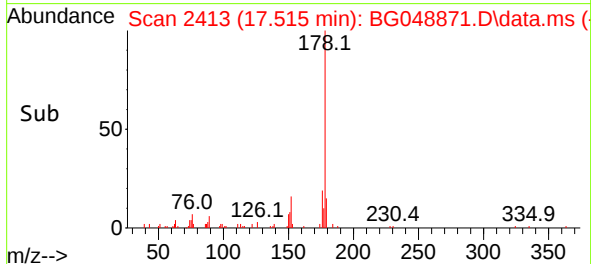
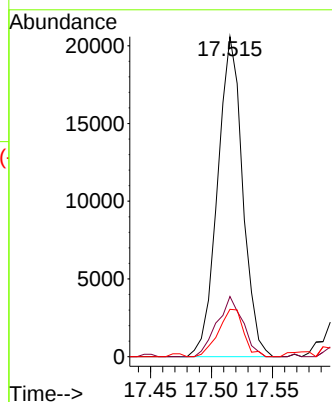
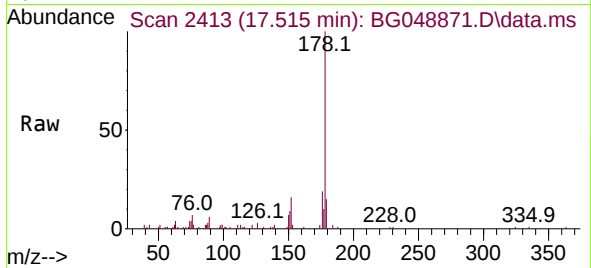




#71
Phenanthrene
Concen: 3.70 ng
RT: 17.515 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

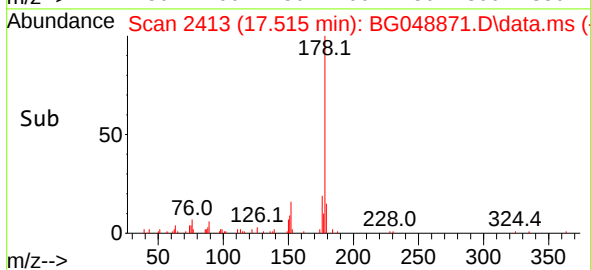
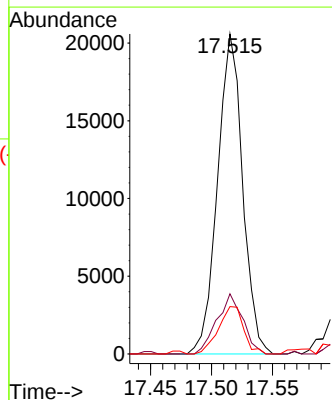
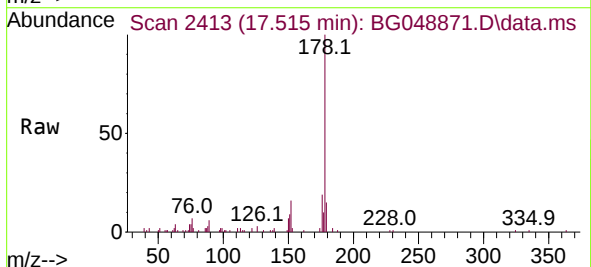
Instrument :
BNA_G
ClientSampleId :
SB-30-0-2.0

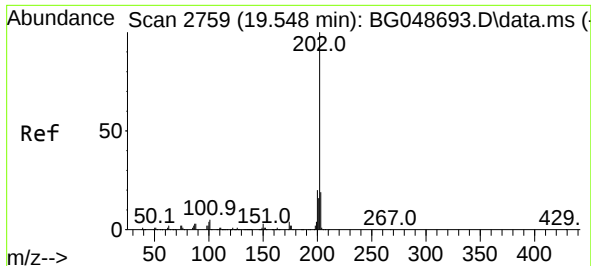
Tgt Ion:178 Resp: 29450
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 14.8 14.2 21.4



#72
Anthracene
Concen: 3.74 ng
RT: 17.515 min Scan# 2413
Delta R.T. -0.100 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:178 Resp: 29450
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 14.8 13.4 20.0

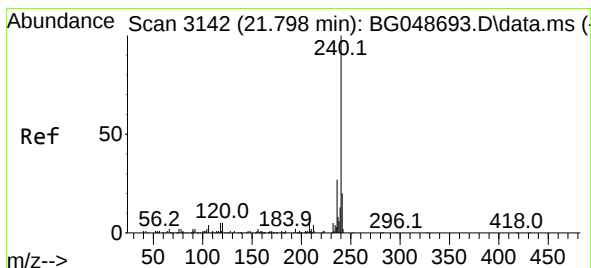
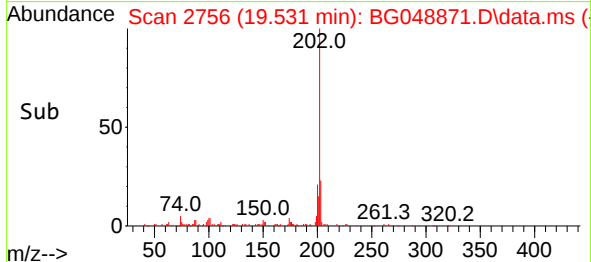
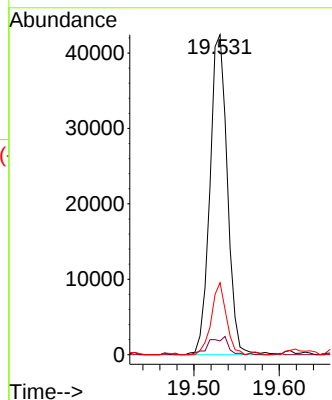
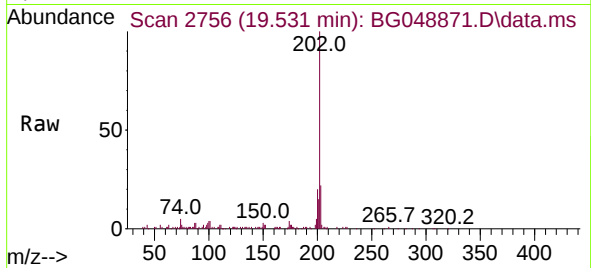




#75
Fluoranthene
Concen: 5.99 ng
RT: 19.531 min Scan# 2756
Delta R.T. -0.006 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

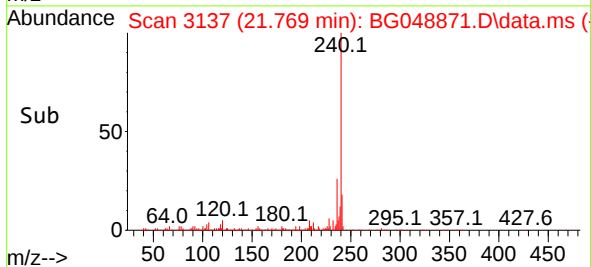
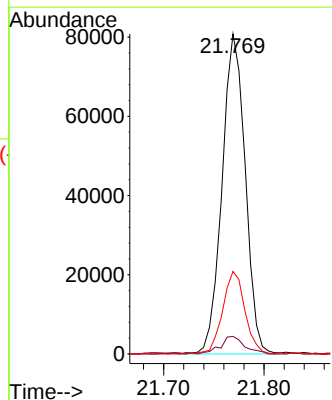
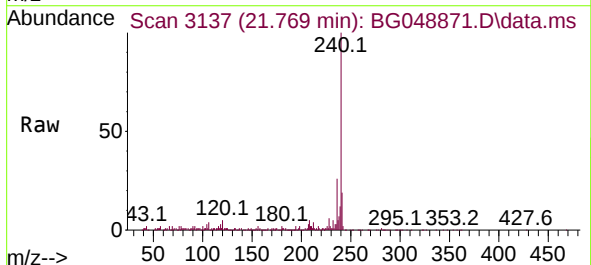
Instrument :
BNA_G
ClientSampleId :
SB-30-0-2.0

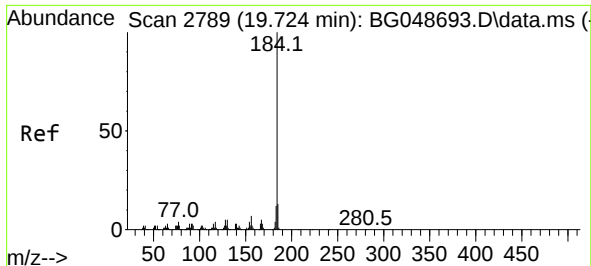
Tgt Ion:202 Resp: 60235
Ion Ratio Lower Upper
202 100
101 4.3 0.0 24.7
203 22.5 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.769 min Scan# 3137
Delta R.T. -0.011 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:240 Resp: 129605
Ion Ratio Lower Upper
240 100
120 5.5 4.2 6.2
236 25.8 21.8 32.6

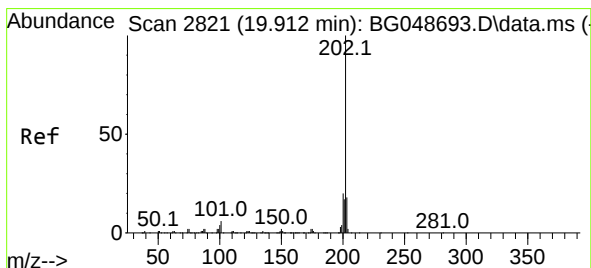
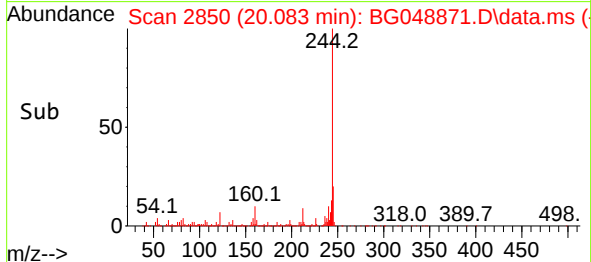
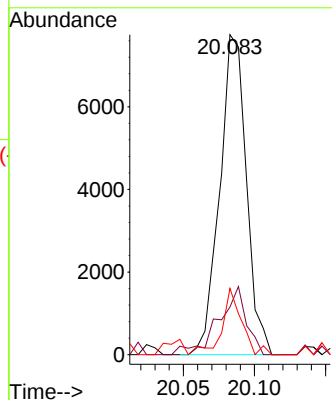
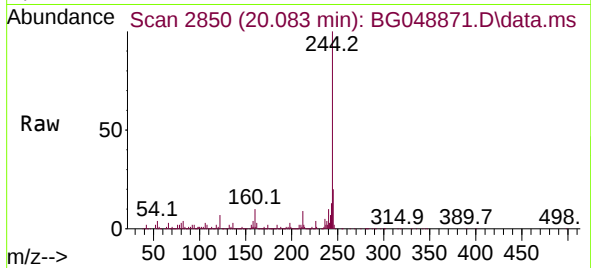




#77
Benzidine
Concen: 2.87 ng
RT: 20.083 min Scan# 2850
Delta R.T. 0.371 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

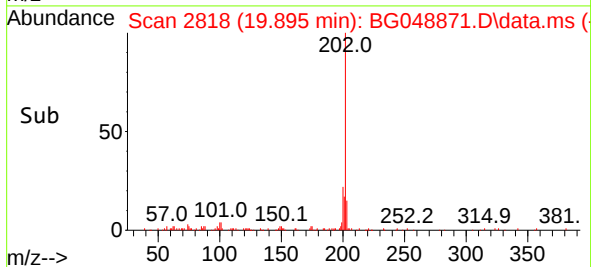
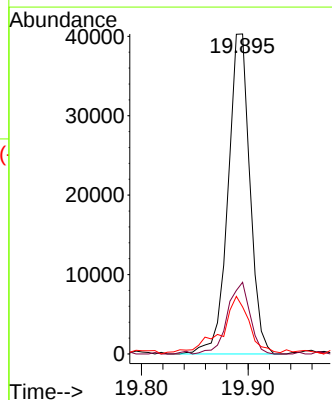
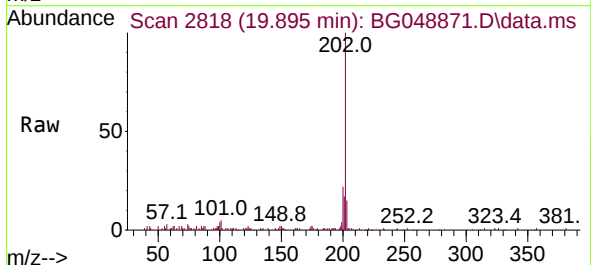
Instrument :
BNA_G
ClientSampleId :
SB-30-0-2.0

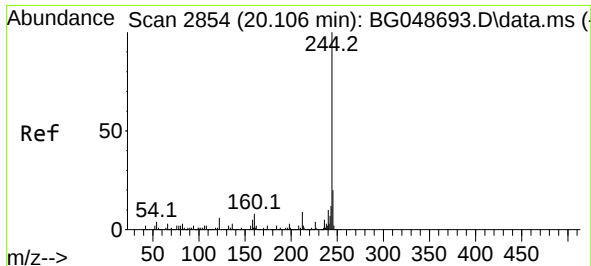
Tgt Ion:184 Resp: 10110
Ion Ratio Lower Upper
184 100
185 14.9 10.7 16.1
183 20.7 9.4 14.0#



#78
Pyrene
Concen: 6.39 ng
RT: 19.895 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:202 Resp: 57276
Ion Ratio Lower Upper
202 100
200 22.4 15.8 23.8
203 14.7 14.6 21.8

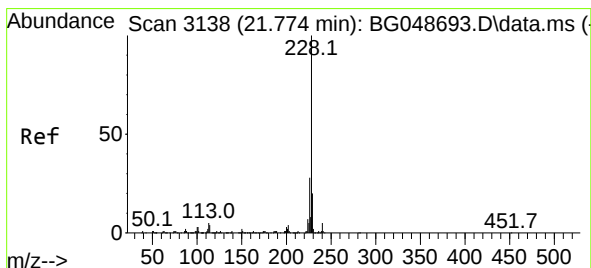
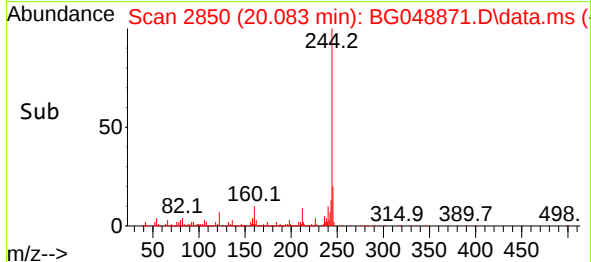
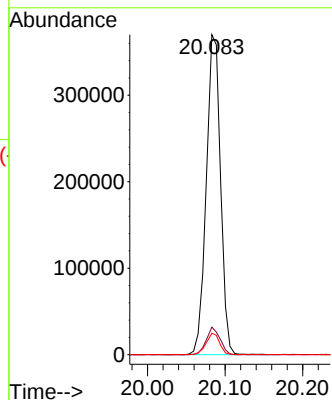
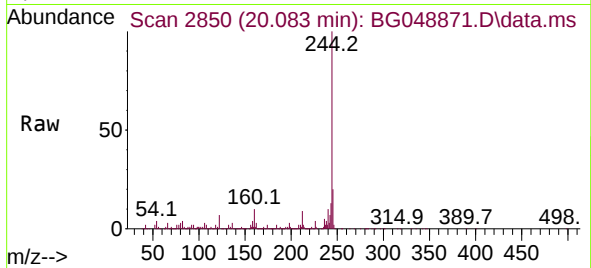




#79
 Terphenyl-d14
 Concen: 62.92 ng
 RT: 20.083 min Scan# 2850
 Delta R.T. -0.011 min
 Lab File: BG048871.D
 Acq: 23 Apr 2021 20:12

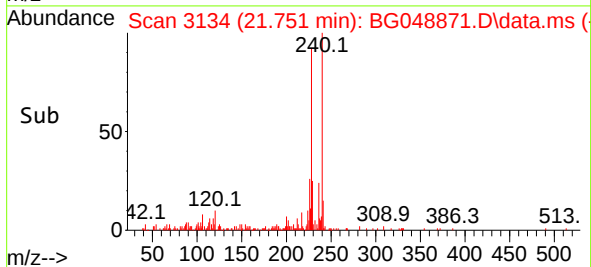
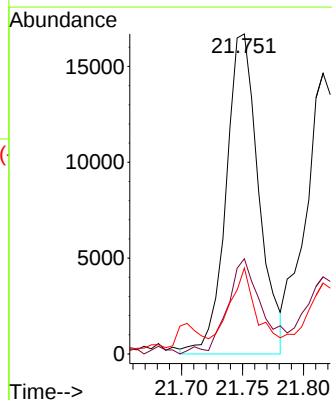
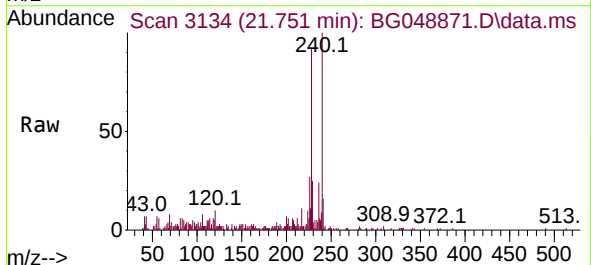
Instrument :
 BNA_G
 ClientSampleId :
 SB-30-0-2.0

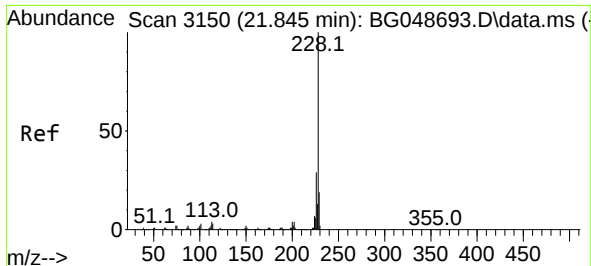
Tgt Ion:244 Resp: 473784
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.9 10.3
 122 6.7 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 3.52 ng
 RT: 21.751 min Scan# 3134
 Delta R.T. -0.006 min
 Lab File: BG048871.D
 Acq: 23 Apr 2021 20:12

Tgt Ion:228 Resp: 31182
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.7 34.1
 229 26.8 16.0 24.0#

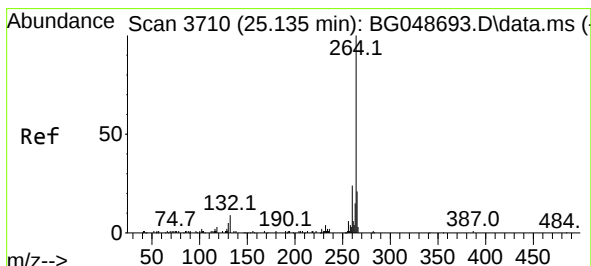
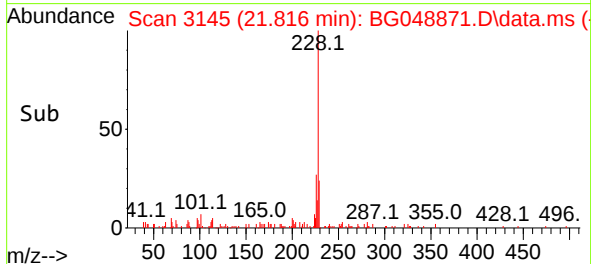
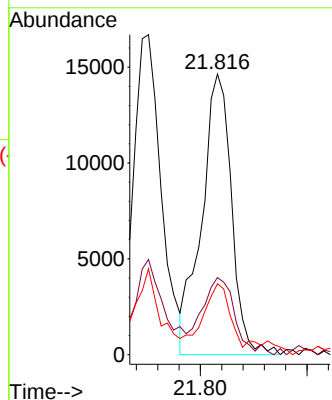
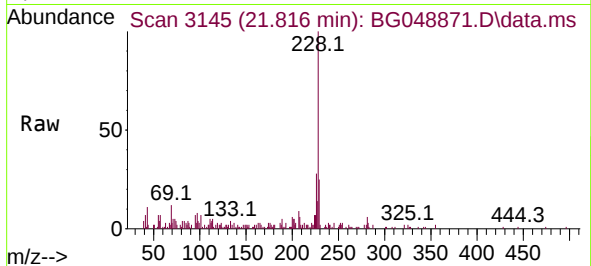




#83
Chrysene
Concen: 3.38 ng
RT: 21.816 min Scan# 3145
Delta R.T. -0.011 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

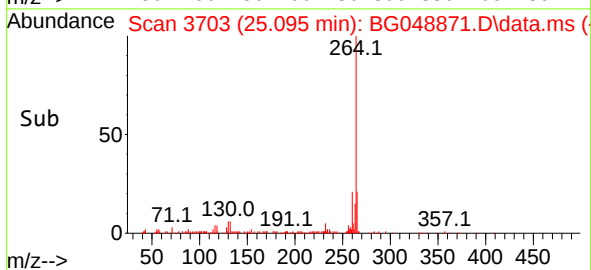
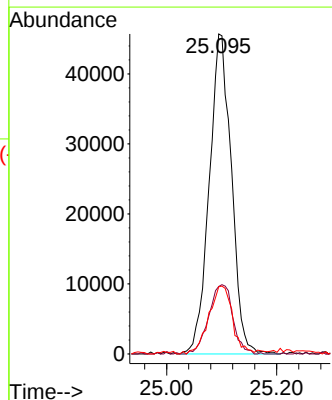
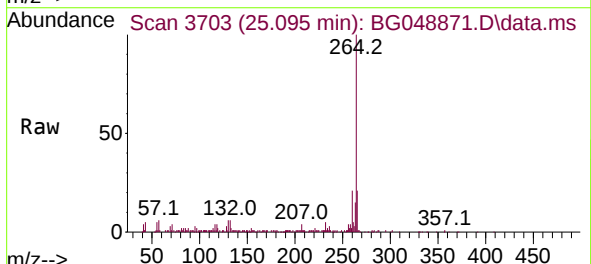
Instrument :
BNA_G
ClientSampled :
SB-30-0-2.0

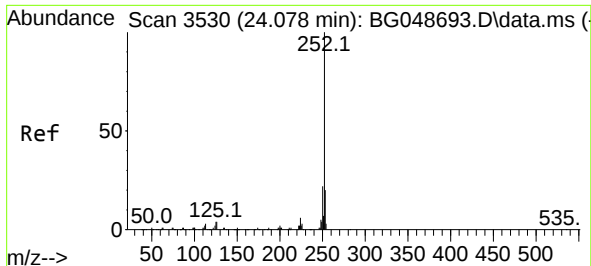
Tgt Ion:228	Resp:	28494
Ion Ratio	Lower	Upper
228	100	
226	27.5	23.1 34.7
229	25.2	15.3 22.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.095 min Scan# 3703
Delta R.T. -0.017 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:264	Resp:	127619
Ion Ratio	Lower	Upper
264	100	
260	21.1	19.4 29.2
265	21.0	16.9 25.3

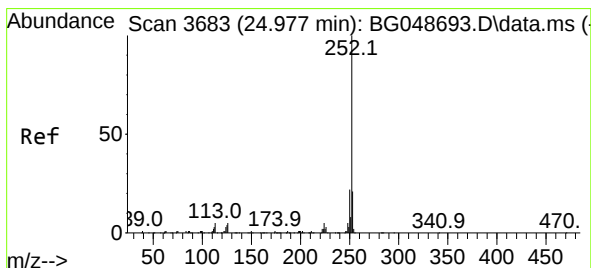
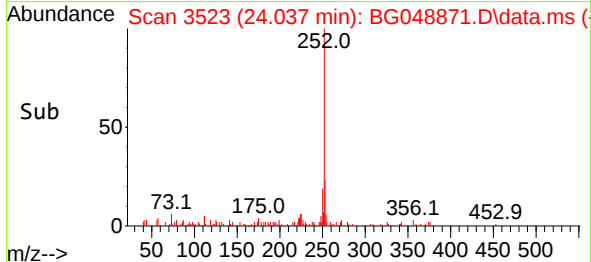
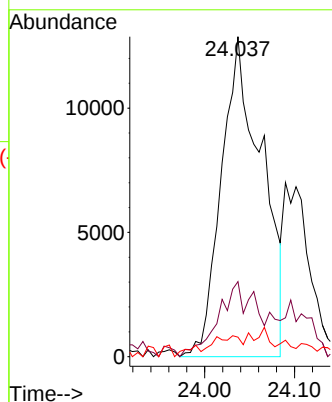
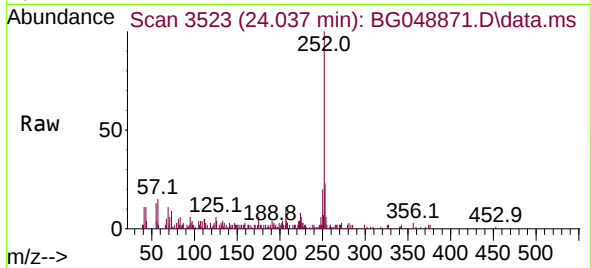




#88
Benzo(b)fluoranthene
Concen: 4.65 ng
RT: 24.037 min Scan# 3523
Delta R.T. -0.011 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Instrument :
BNA_G
ClientSampled :
SB-30-0-2.0

Tgt Ion:252 Resp: 40251
Ion Ratio Lower Upper
252 100
253 23.5 16.2 24.4
125 6.1 3.0 4.4#



#90
Benzo(a)pyrene
Concen: 3.62 ng
RT: 24.930 min Scan# 3675
Delta R.T. -0.023 min
Lab File: BG048871.D
Acq: 23 Apr 2021 20:12

Tgt Ion:252 Resp: 28887
Ion Ratio Lower Upper
252 100
253 23.7 16.6 25.0
125 5.5 3.5 5.3#

