

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051098.D
 Acq On : 17 Nov 2021 19:03
 Operator : CG/JU
 Sample : M4680-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Quant Time: Nov 18 00:04:07 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

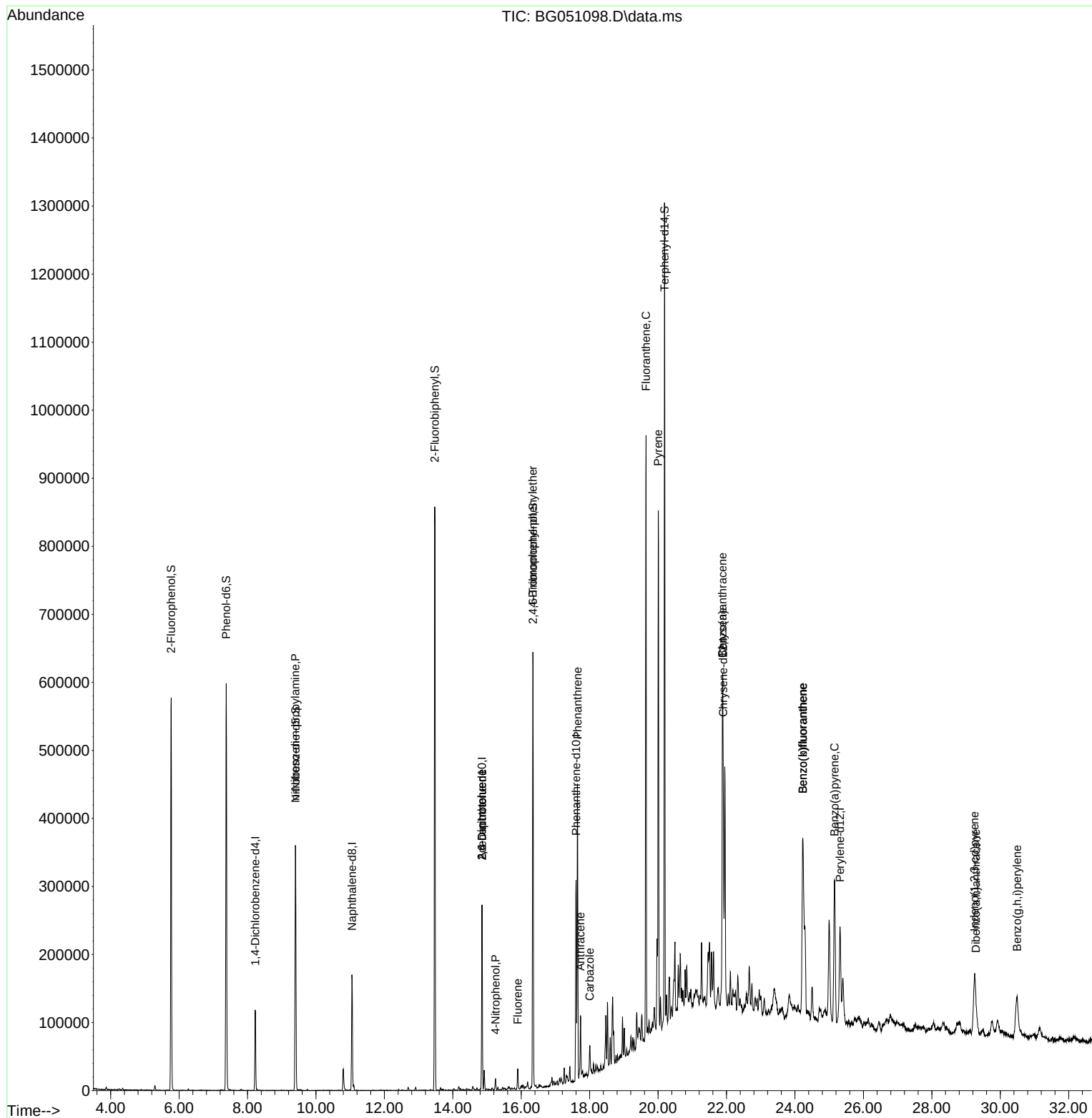
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	32763	20.000	ng	0.00
21) Naphthalene-d8	11.051	136	147507	20.000	ng	# 0.00
39) Acenaphthene-d10	14.852	164	95513	20.000	ng	0.00
64) Phenanthrene-d10	17.602	188	185830	20.000	ng	# 0.00
76) Chrysene-d12	21.903	240	150903	20.000	ng	# 0.00
86) Perylene-d12	25.316	264	155075	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.769	112	257193	117.430	ng	0.00
7) Phenol-d6	7.379	99	347059	112.268	ng	0.00
23) Nitrobenzene-d5	9.406	82	241485	72.469	ng	0.00
42) 2,4,6-Tribromophenol	16.345	330	110566	115.676	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	446590	73.878	ng	0.00
79) Terphenyl-d14	20.187	244	551359	66.855	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.400	70	33336	14.592	ng	# 70
51) 2,6-Dinitrotoluene	14.852	165	13036	8.428	ng	# 11
56) 4-Nitrophenol	15.252	139	3915	2.831	ng	# 1
57) 2,4-Dinitrotoluene	14.852	165	13036	5.940	ng	# 16
58) Fluorene	15.898	166	13930	2.036	ng	96
67) 4-Bromophenyl-phenylether	16.339	248	8578	4.407	ng	# 1
71) Phenanthrene	17.643	178	266523	26.888	ng	97
72) Anthracene	17.731	178	60046	6.091	ng	98
73) Carbazole	18.001	167	25483	2.610	ng	97
75) Fluoranthene	19.647	202	562600	46.263	ng	97
78) Pyrene	20.005	202	497851	43.977	ng	98
81) Benzo(a)anthracene	21.879	228	291851	28.166	ng	99
83) Chrysene	21.879	228	291851	29.858	ng	98
87) Indeno(1,2,3-cd)pyrene	29.247	276	162279	14.743	ng	# 92
88) Benzo(b)fluoranthene	24.229	252	357370	36.611	ng	# 92
89) Benzo(k)fluoranthene	24.229	252	357370	36.708	ng	# 97
90) Benzo(a)pyrene	25.158	252	252596	30.311	ng	# 94
91) Dibenzo(a,h)anthracene	29.288	278	43374	4.786	ng	# 88
92) Benzo(g,h,i)perylene	30.493	276	150567	16.883	ng	# 91

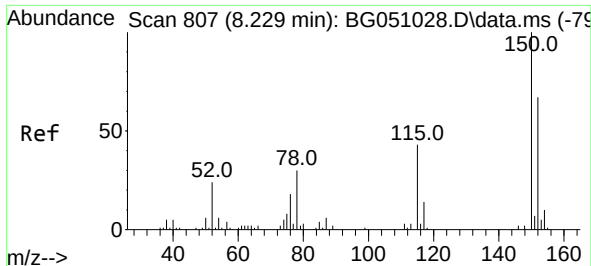
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

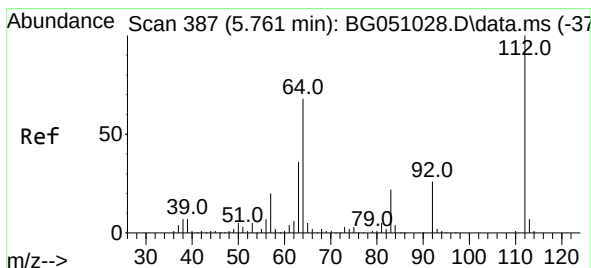
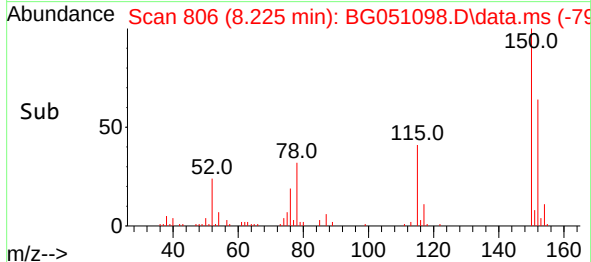
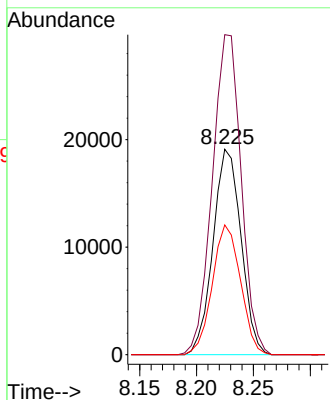
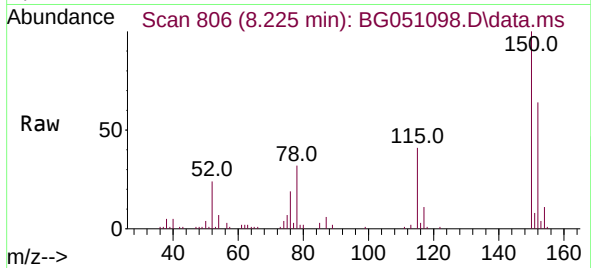




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 807
Delta R.T. -0.004 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

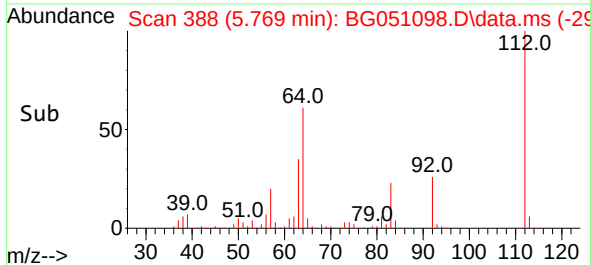
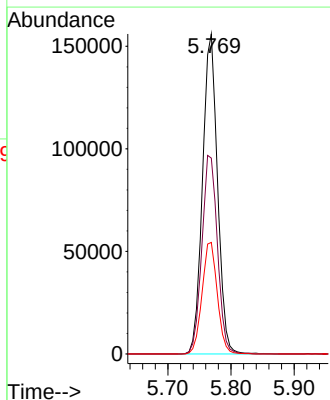
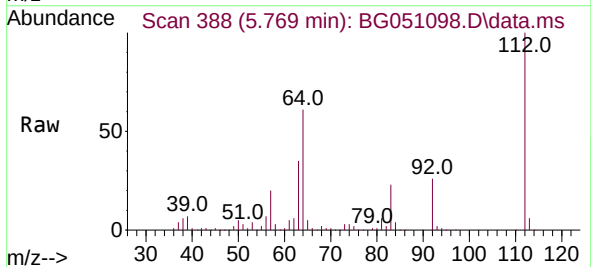
Instrument :
BNA_G
ClientSampleId :
COMP-2

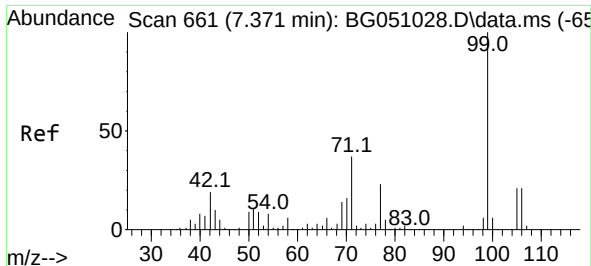
Tgt Ion:152 Resp: 32763
Ion Ratio Lower Upper
152 100
150 155.7 119.4 179.0
115 63.1 60.2 90.4



#5
2-Fluorophenol
Concen: 117.430 ng
RT: 5.769 min Scan# 388
Delta R.T. 0.008 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:112 Resp: 257193
Ion Ratio Lower Upper
112 100
64 61.2 46.7 70.1
63 34.8 35.3 52.9#

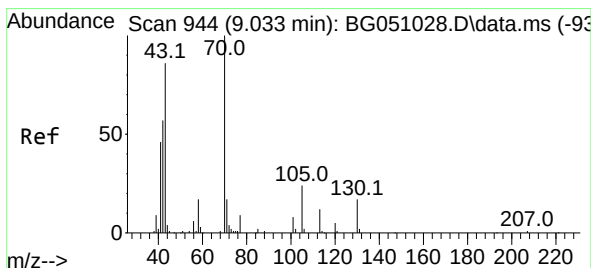
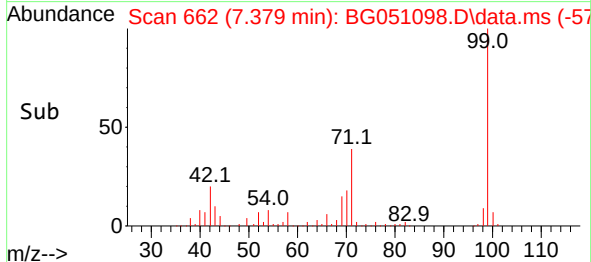
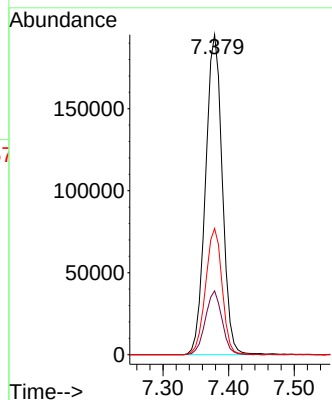
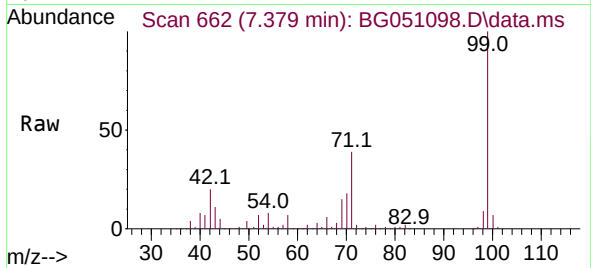




#7
Phenol-d6
Concen: 112.268 ng
RT: 7.379 min Scan# 60
Delta R.T. 0.008 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

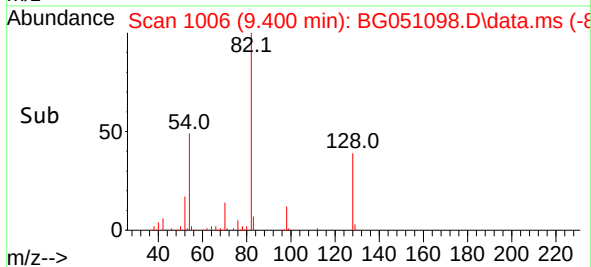
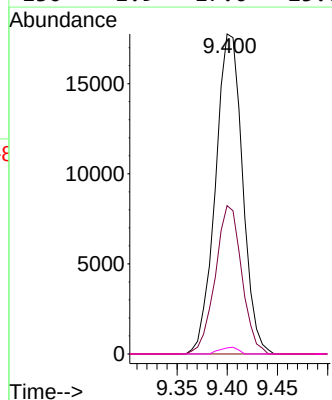
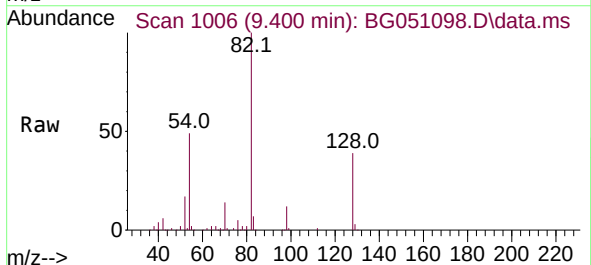
Instrument :
BNA_G
ClientSampleId :
COMP-2

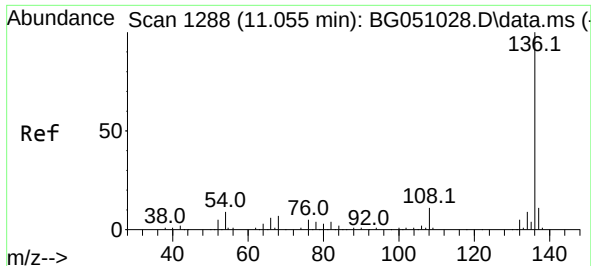
Tgt Ion: 99 Resp: 347059
Ion Ratio Lower Upper
99 100
42 20.0 20.5 30.7#
71 39.5 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 14.592 ng
RT: 9.400 min Scan# 1006
Delta R.T. 0.366 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion: 70 Resp: 33336
Ion Ratio Lower Upper
70 100
42 46.4 54.5 81.7#
101 0.0 9.0 13.6#
130 1.9 17.0 25.6#

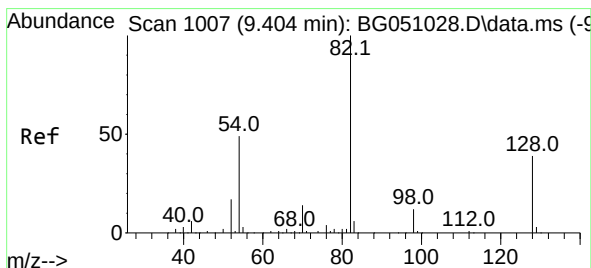
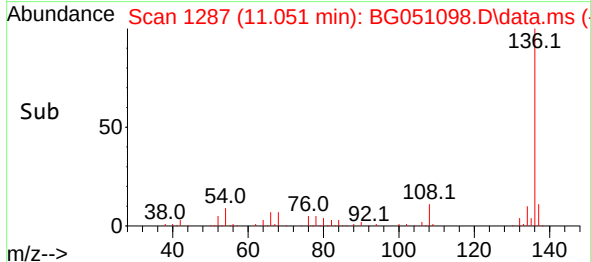
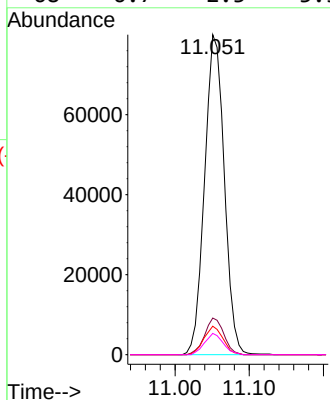
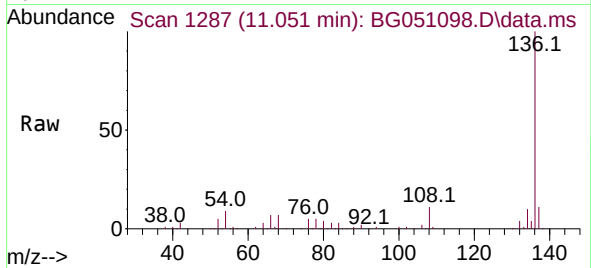




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.051 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

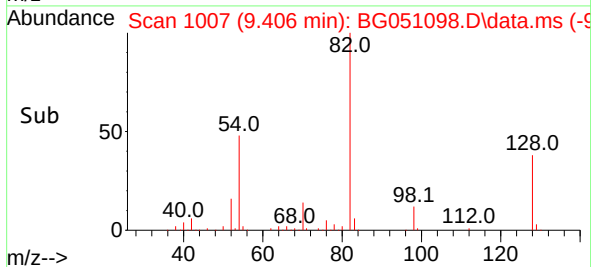
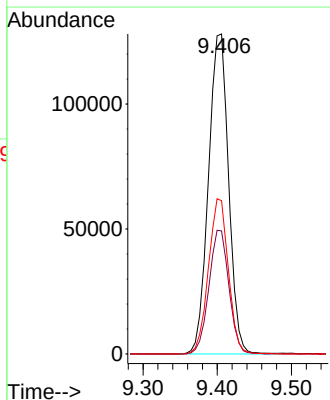
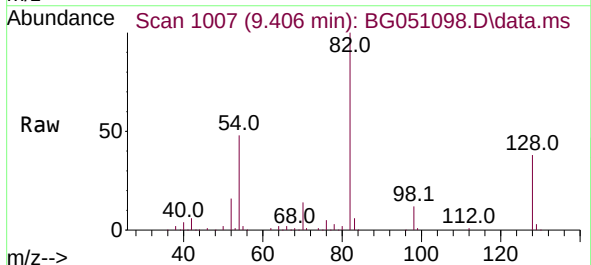
Instrument :
BNA_G
ClientSampleId :
COMP-2

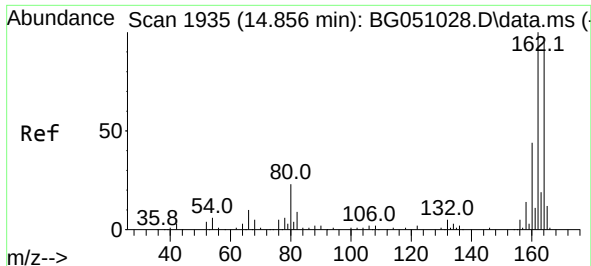
Tgt Ion:136	Resp: 147507
Ion Ratio	Lower Upper
136	100
137	11.5 8.2 12.2
54	8.9 5.5 8.3#
68	6.7 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 72.469 ng
RT: 9.406 min Scan# 1007
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

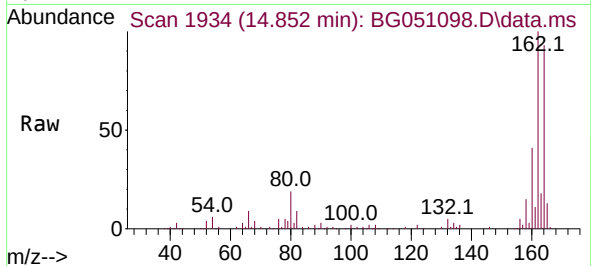
Tgt Ion: 82	Resp: 241485
Ion Ratio	Lower Upper
82	100
128	38.4 29.8 44.6
54	47.9 45.8 68.8



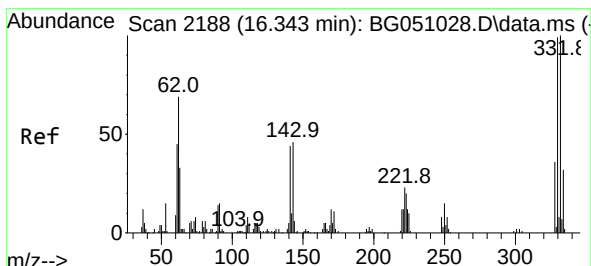
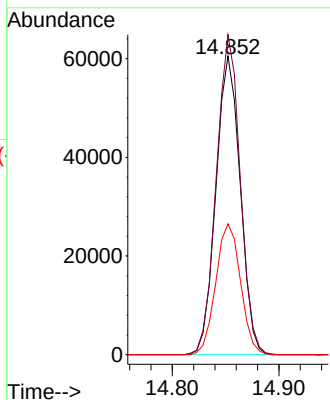
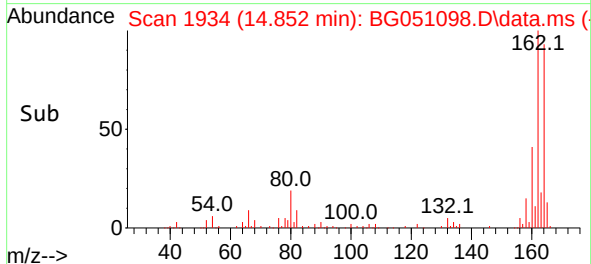


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.852 min Scan# 1934
Delta R.T. -0.004 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

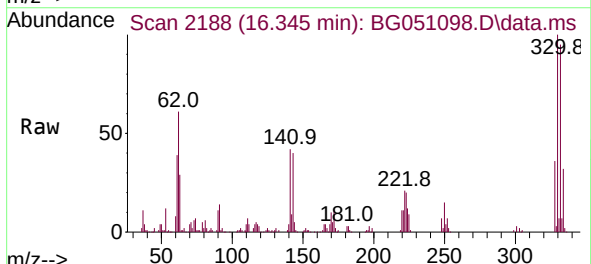
Instrument :
BNA_G
ClientSampleId :
COMP-2



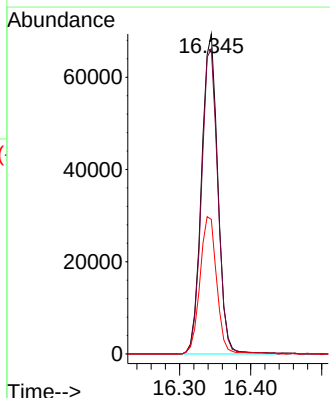
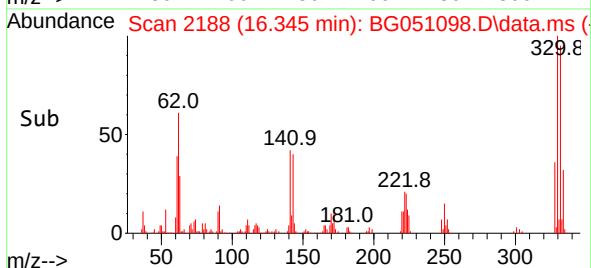
Tgt Ion:164 Resp: 95513
Ion Ratio Lower Upper
164 100
162 107.2 81.4 122.0
160 43.8 34.9 52.3

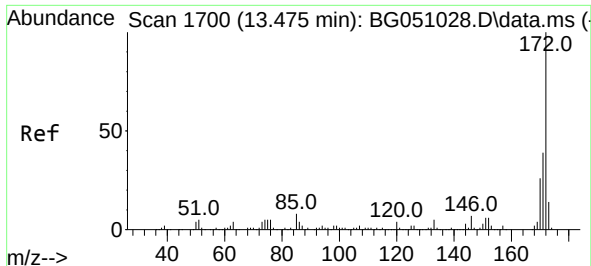


#42
2,4,6-Tribromophenol
Concen: 115.676 ng
RT: 16.345 min Scan# 2188
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03



Tgt Ion:330 Resp: 110566
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 44.3 35.6 53.4

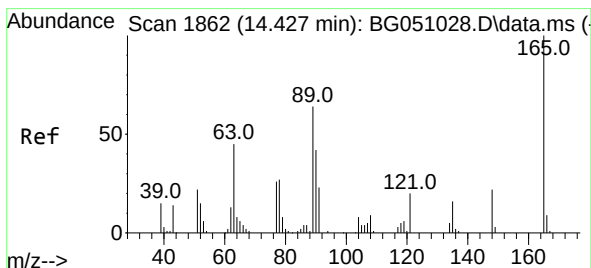
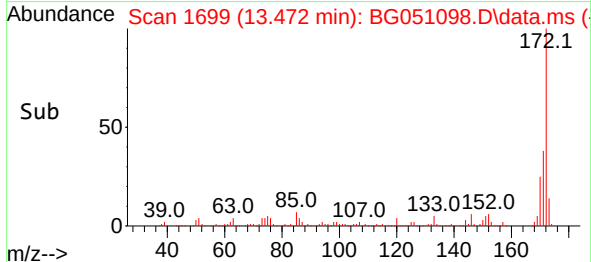
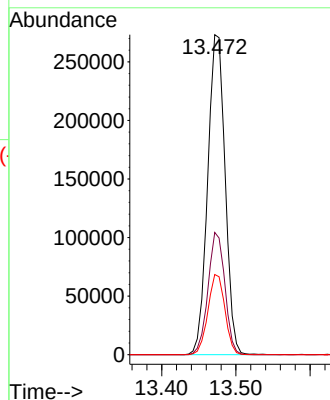
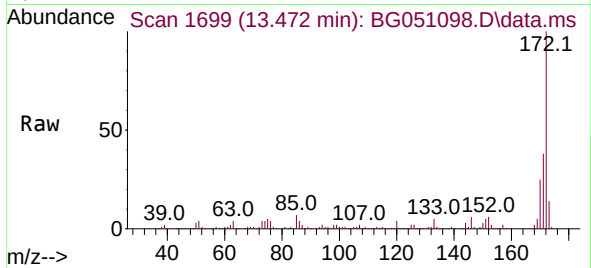




#45
2-Fluorobiphenyl
Concen: 73.878 ng
RT: 13.472 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

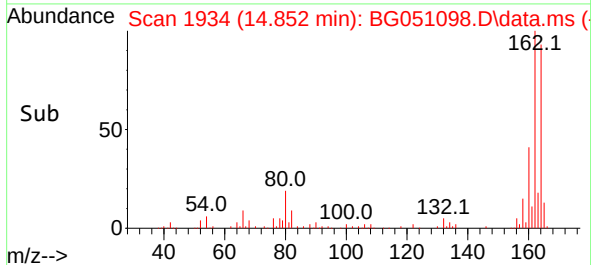
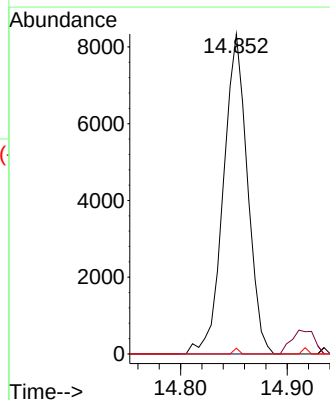
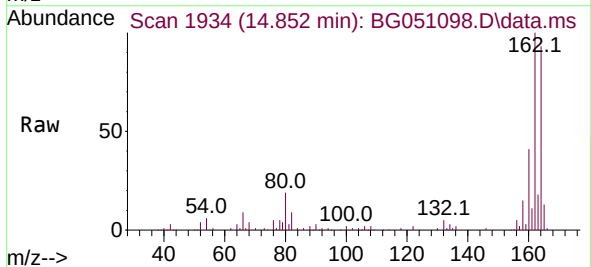
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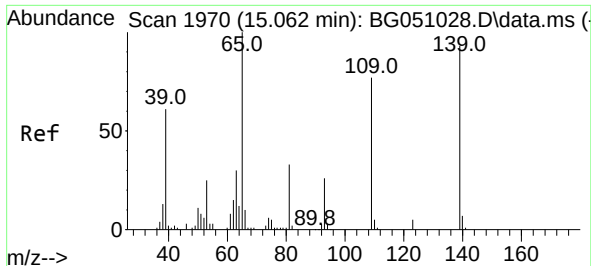
Tgt Ion:172 Resp: 446590
Ion Ratio Lower Upper
172 100
171 38.2 28.6 43.0
170 25.1 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.428 ng
RT: 14.852 min Scan# 1934
Delta R.T. 0.425 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:165 Resp: 13036
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.8 63.4 95.0#

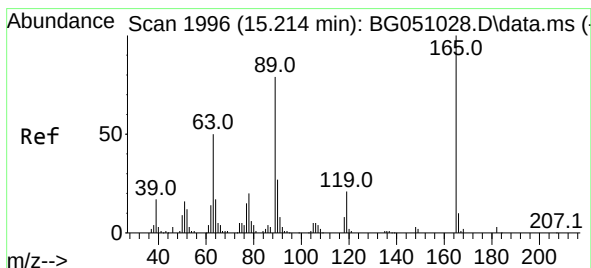
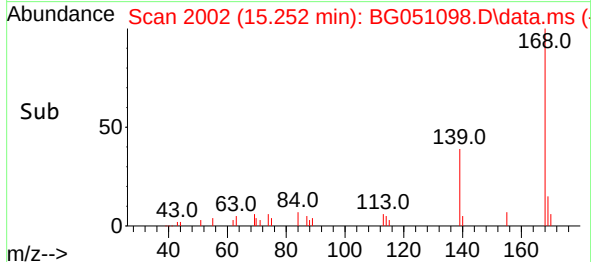
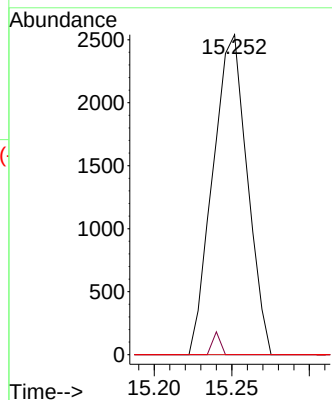
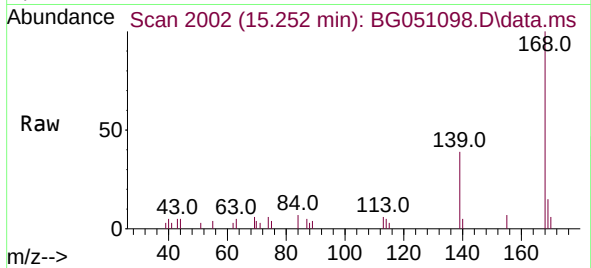




#56
4-Nitrophenol
Concen: 2.831 ng
RT: 15.252 min Scan# 20
Delta R.T. 0.190 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

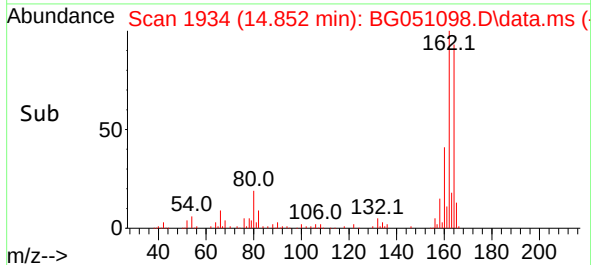
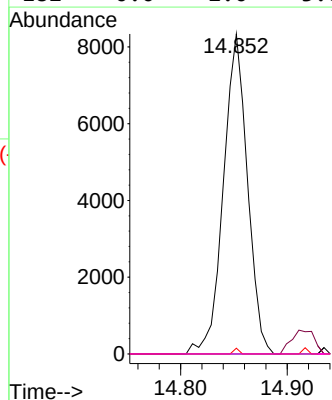
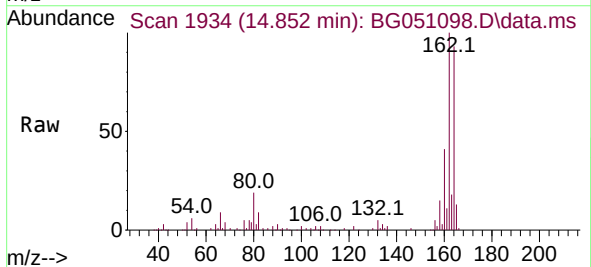
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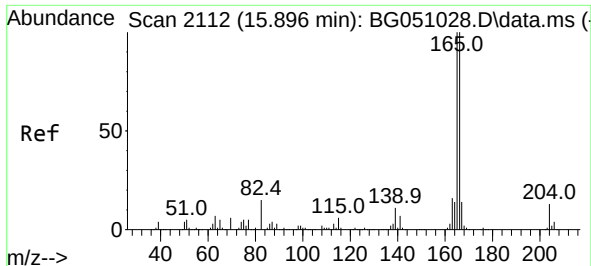
Tgt Ion:139 Resp: 3915
Ion Ratio Lower Upper
139 100
109 0.0 116.3 156.3#
65 0.0 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 5.940 ng
RT: 14.852 min Scan# 1934
Delta R.T. -0.362 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:165 Resp: 13036
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 1.8 65.4 98.0#
182 0.0 2.0 3.0#

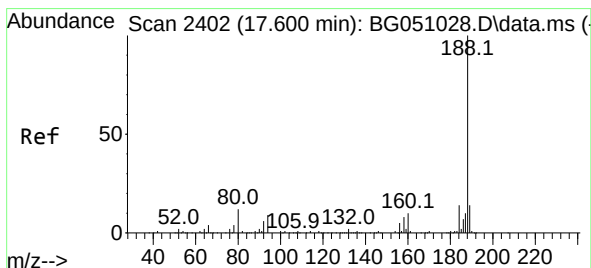
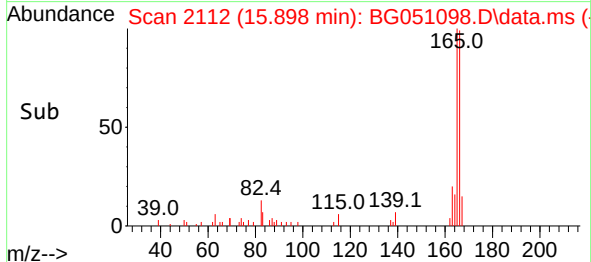
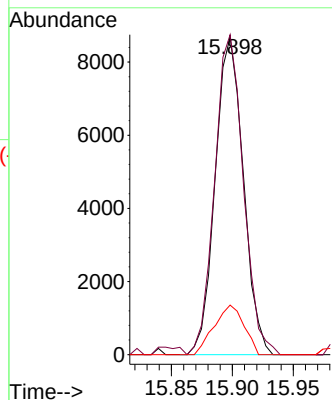
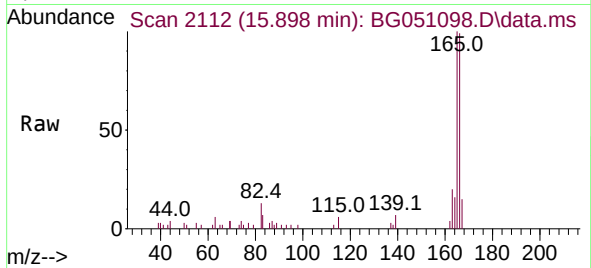




#58
Fluorene
Concen: 2.036 ng
RT: 15.898 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

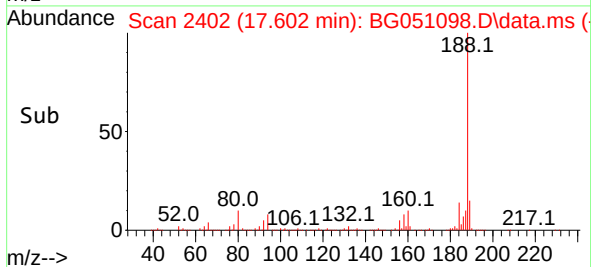
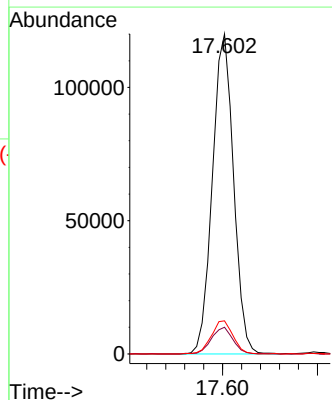
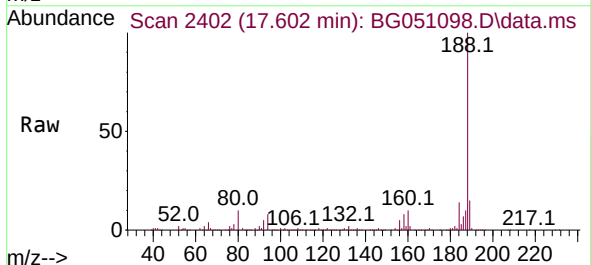
Instrument :
BNA_G
ClientSampleId :
COMP-2

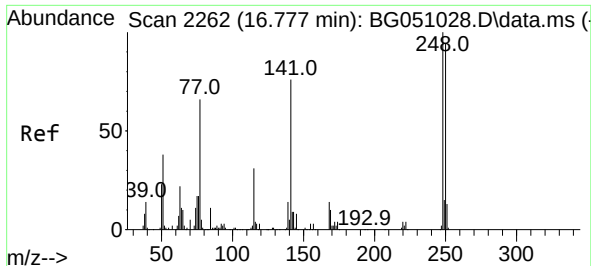
Tgt Ion:166 Resp: 13930
Ion Ratio Lower Upper
166 100
165 100.7 77.7 116.5
167 15.6 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.602 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:188 Resp: 185830
Ion Ratio Lower Upper
188 100
94 8.4 5.4 8.0#
80 10.3 3.7 5.5#

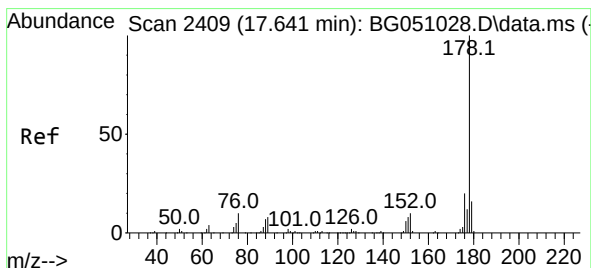
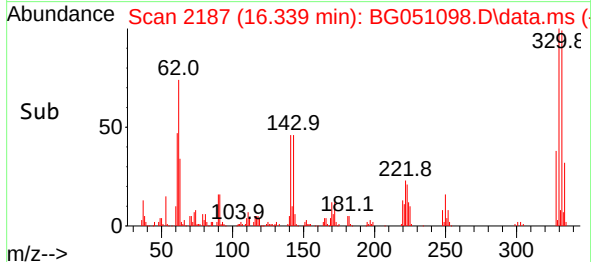
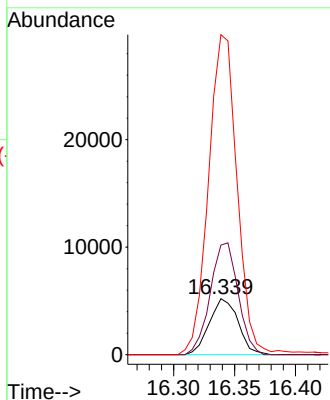
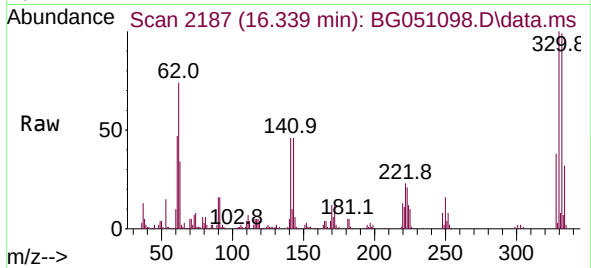




#67
4-Bromophenyl-phenylether
Concen: 4.407 ng
RT: 16.339 min Scan# 2187
Delta R.T. -0.439 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

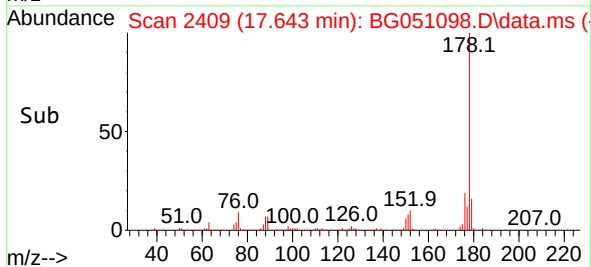
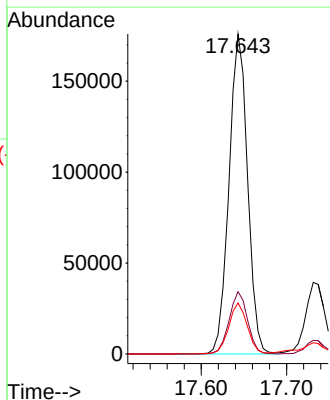
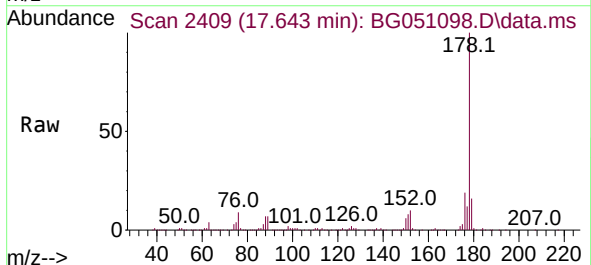
Instrument :
BNA_G
ClientSampleId :
COMP-2

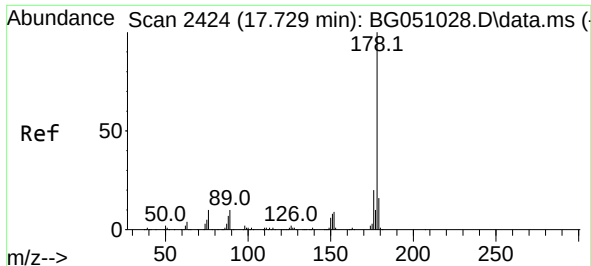
Tgt Ion:248 Resp: 8578
Ion Ratio Lower Upper
248 100
250 195.6 76.1 114.1#
141 571.3 65.4 98.2#



#71
Phenanthrene
Concen: 26.888 ng
RT: 17.643 min Scan# 2409
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:178 Resp: 266523
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.9 14.2 21.4



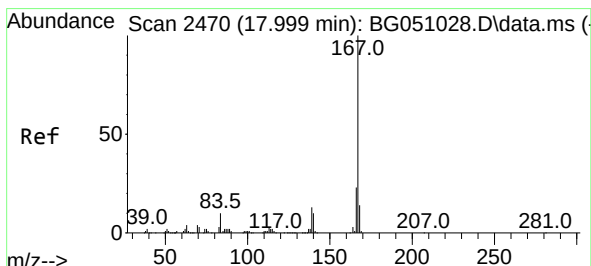
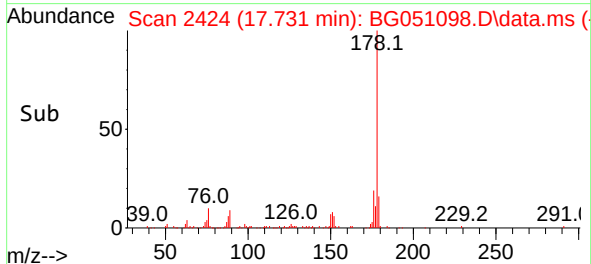
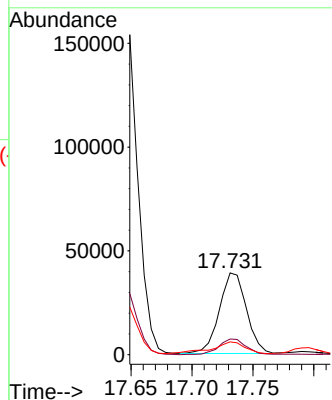
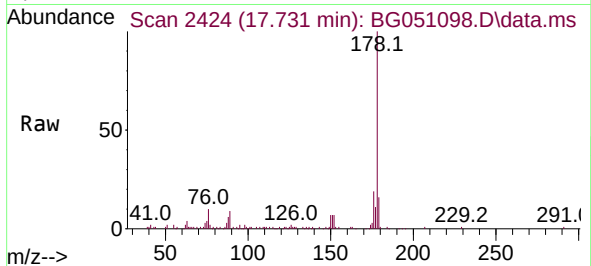


#72
 Anthracene
 Concen: 6.091 ng
 RT: 17.731 min Scan# 2424
 Delta R.T. 0.002 min
 Lab File: BG051098.D
 Acq: 17 Nov 2021 19:03

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Tgt Ion:178 Resp: 60046

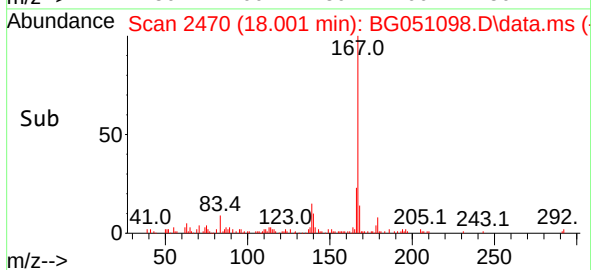
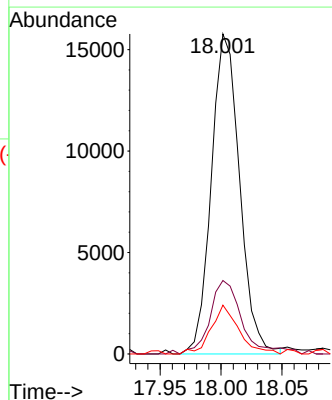
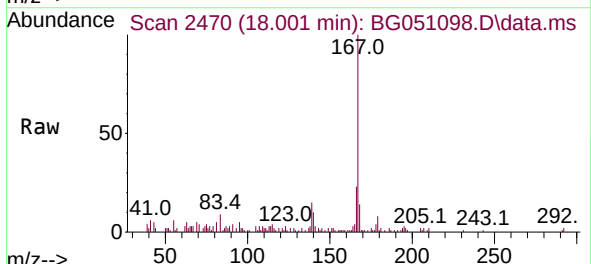
Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	15.7	13.4	20.0

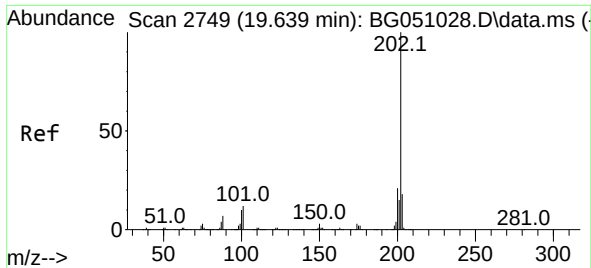


#73
 Carbazole
 Concen: 2.610 ng
 RT: 18.001 min Scan# 2470
 Delta R.T. 0.002 min
 Lab File: BG051098.D
 Acq: 17 Nov 2021 19:03

Tgt Ion:167 Resp: 25483

Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.4	26.2
139	15.3	10.7	16.1

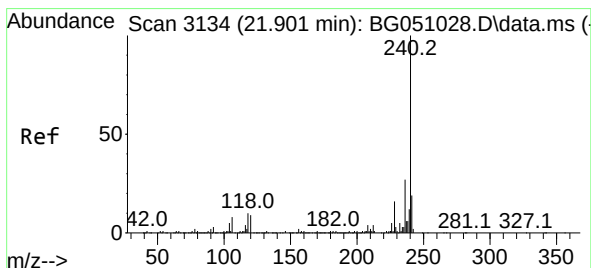
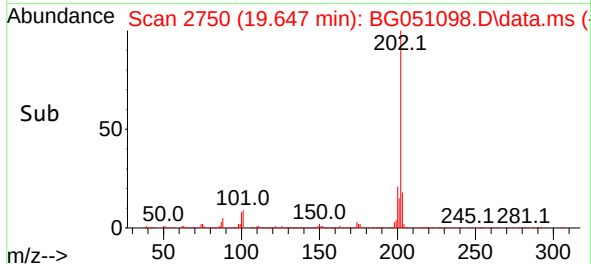
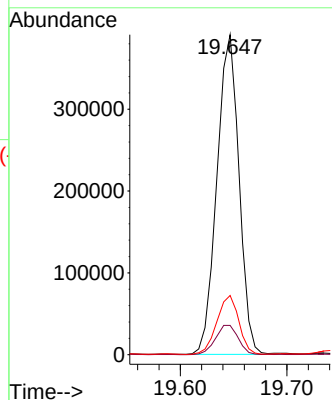
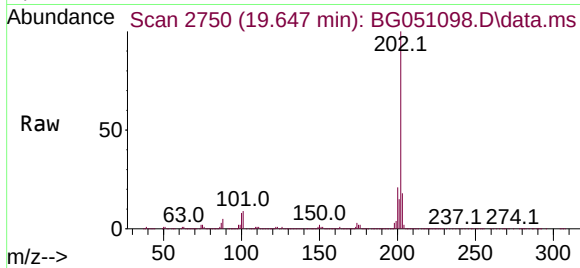




#75
Fluoranthene
Concen: 46.263 ng
RT: 19.647 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

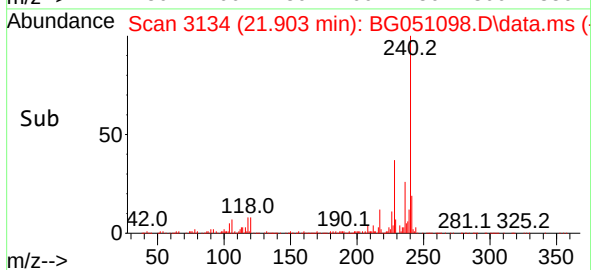
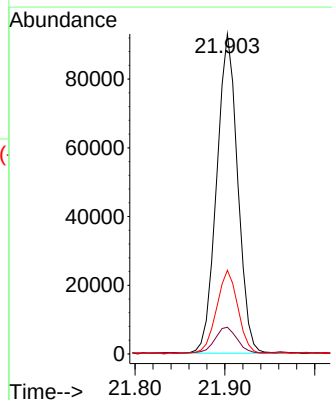
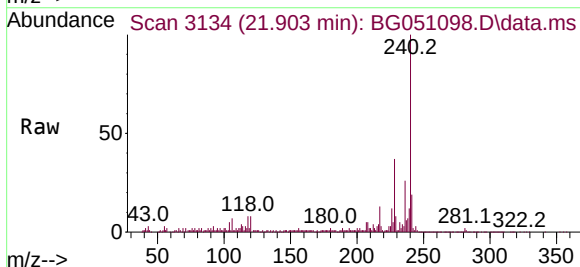
Instrument :
BNA_G
ClientSampleId :
COMP-2

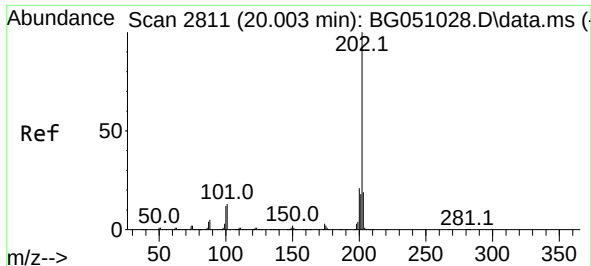
Tgt Ion:202 Resp: 562600
Ion Ratio Lower Upper
202 100
101 9.1 0.0 24.7
203 18.5 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.903 min Scan# 3134
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:240 Resp: 150903
Ion Ratio Lower Upper
240 100
120 8.3 4.2 6.2#
236 26.2 21.8 32.6

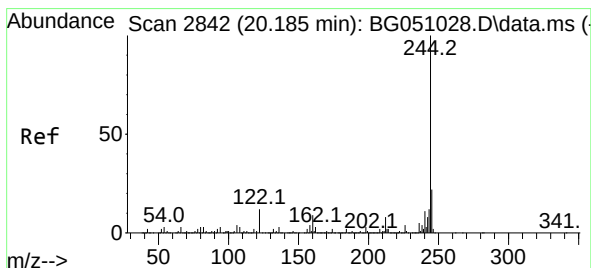
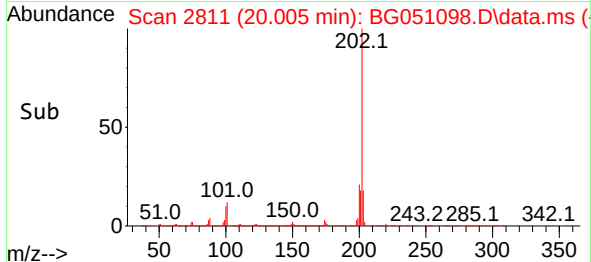
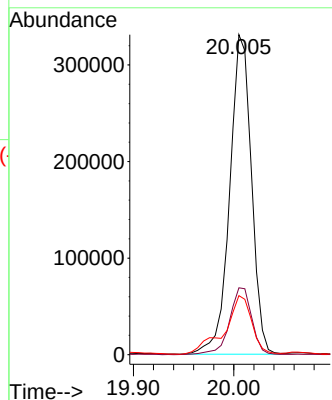
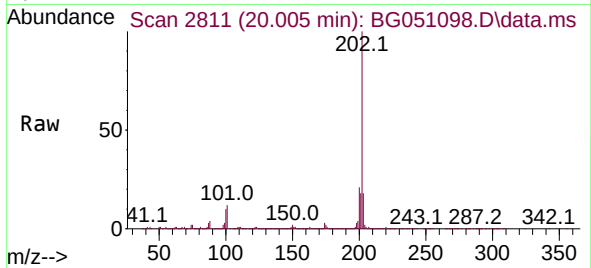




#78
 Pyrene
 Concen: 43.977 ng
 RT: 20.005 min Scan# 2811
 Delta R.T. 0.002 min
 Lab File: BG051098.D
 Acq: 17 Nov 2021 19:03

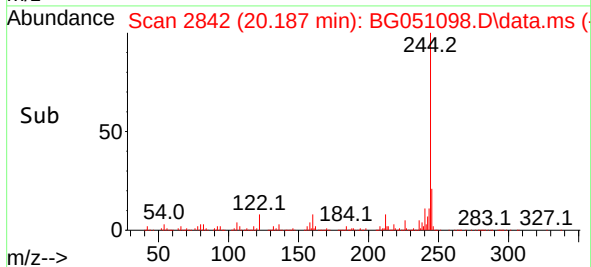
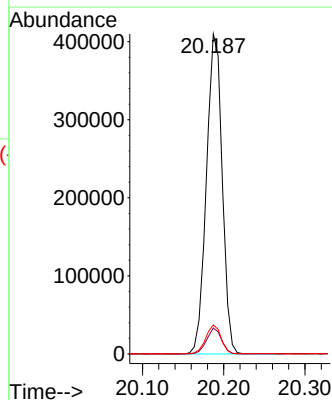
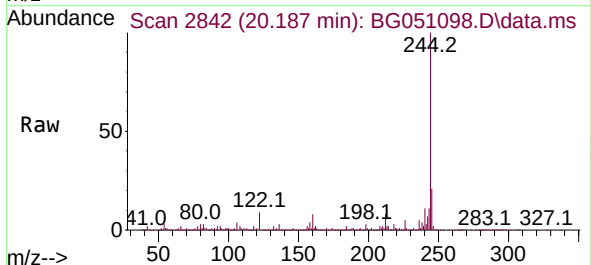
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

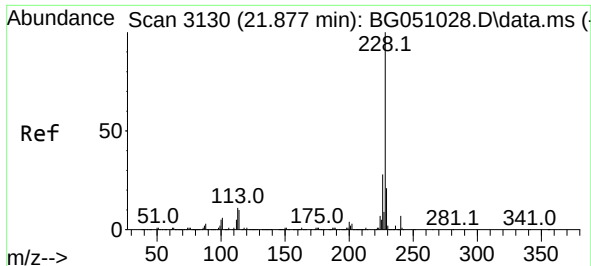
Tgt Ion:202 Resp: 497851
 Ion Ratio Lower Upper
 202 100
 200 20.9 15.8 23.8
 203 18.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 66.855 ng
 RT: 20.187 min Scan# 2842
 Delta R.T. 0.002 min
 Lab File: BG051098.D
 Acq: 17 Nov 2021 19:03

Tgt Ion:244 Resp: 551359
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 9.0 5.0 7.6#

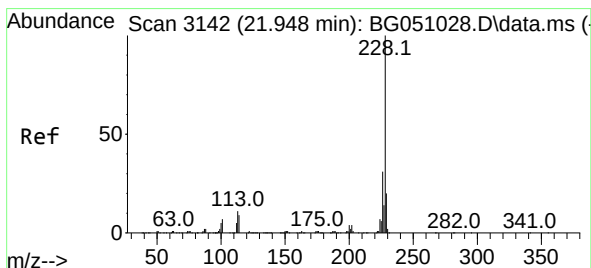
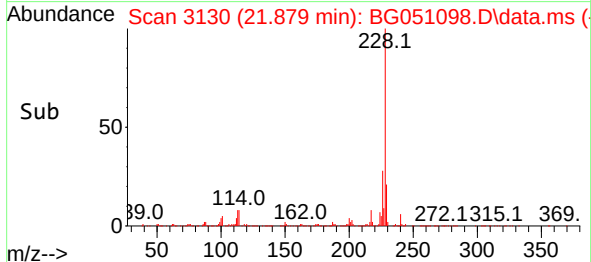
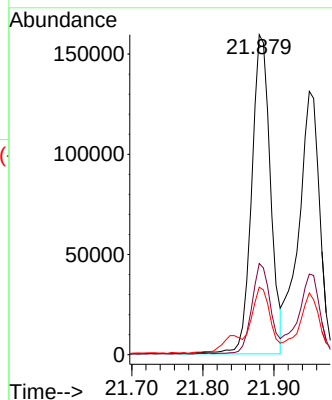
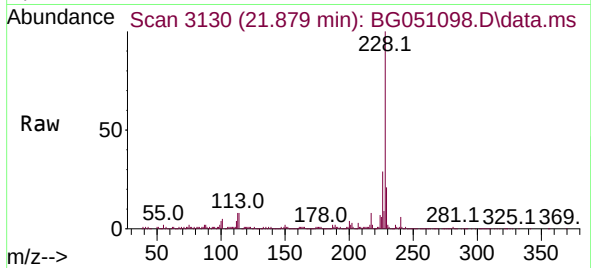




#81
Benzo(a)anthracene
Concen: 28.166 ng
RT: 21.879 min Scan# 3130
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

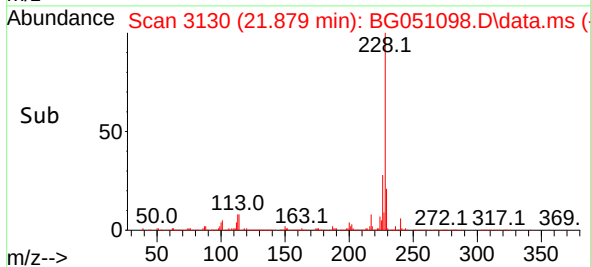
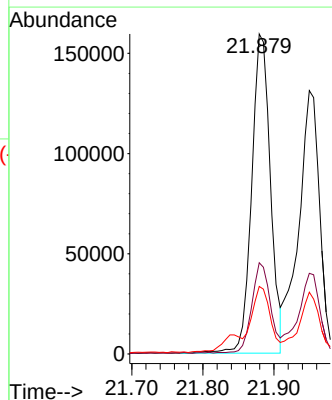
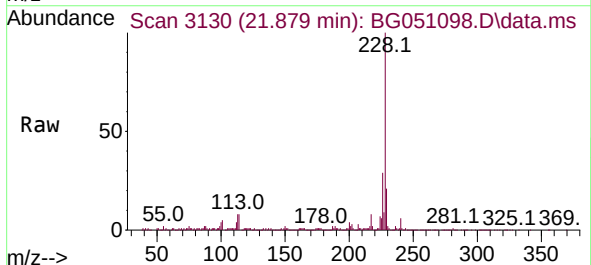
Instrument :
BNA_G
ClientSampleId :
COMP-2

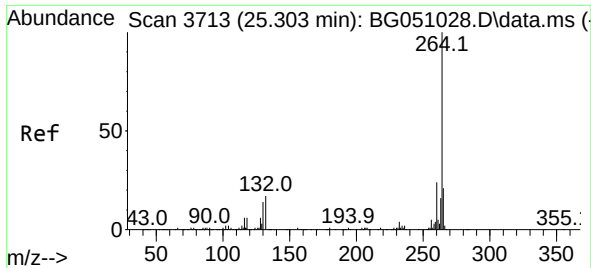
Tgt Ion:228 Resp: 291851
Ion Ratio Lower Upper
228 100
226 28.5 22.7 34.1
229 21.1 16.0 24.0



#83
Chrysene
Concen: 29.858 ng
RT: 21.879 min Scan# 3130
Delta R.T. -0.068 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:228 Resp: 291851
Ion Ratio Lower Upper
228 100
226 28.5 23.1 34.7
229 21.1 15.3 22.9

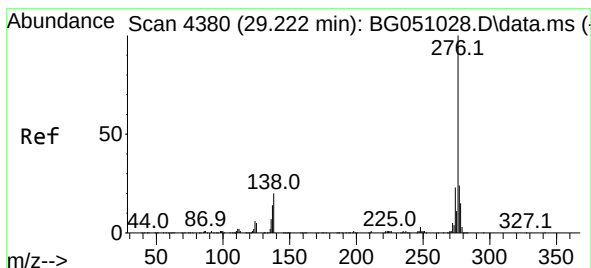
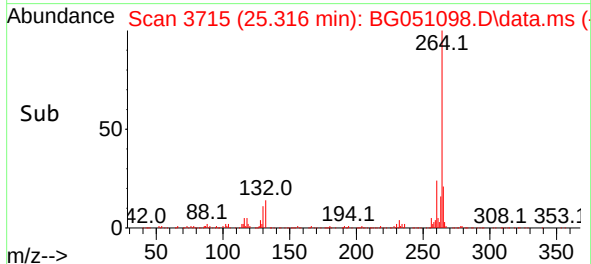
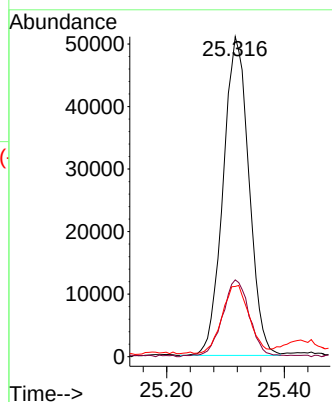
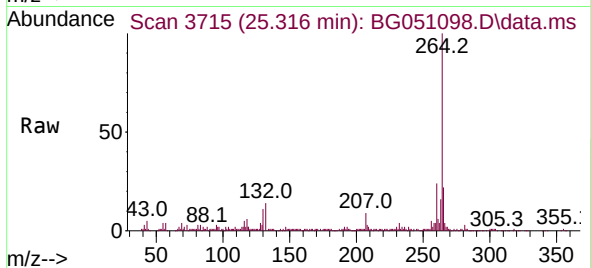




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.316 min Scan# 31
Delta R.T. 0.014 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

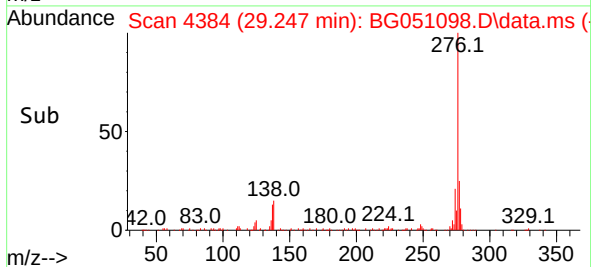
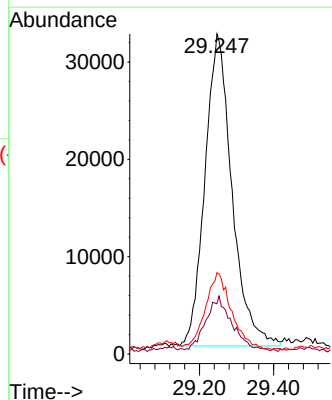
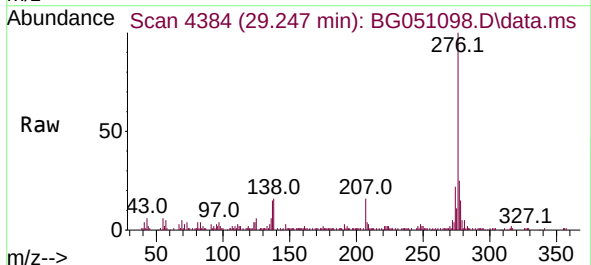
Instrument :
BNA_G
ClientSampleId :
COMP-2

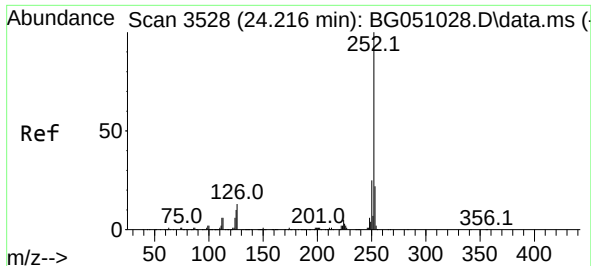
Tgt Ion:264 Resp: 155075
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 21.9 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.743 ng
RT: 29.247 min Scan# 4384
Delta R.T. 0.026 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:276 Resp: 162279
Ion Ratio Lower Upper
276 100
138 16.8 5.1 7.7#
277 23.6 19.8 29.6

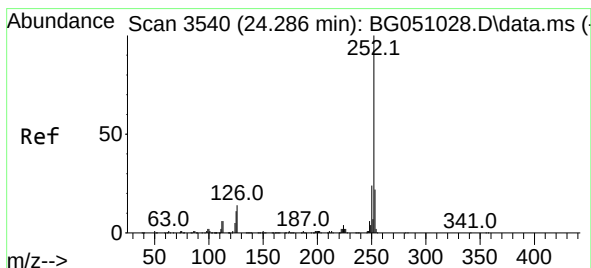
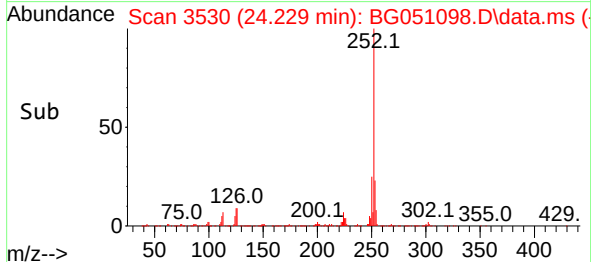
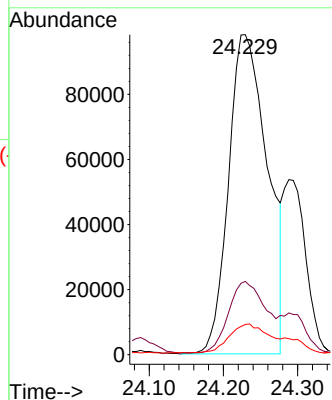
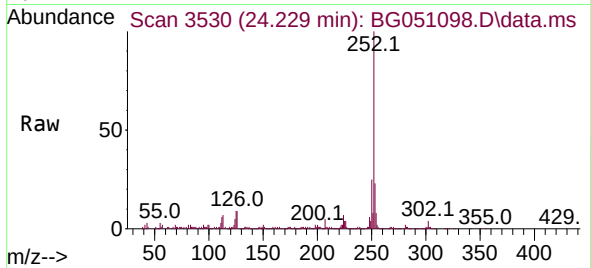




#88
Benzo(b)fluoranthene
Concen: 36.611 ng
RT: 24.229 min Scan# 3530
Delta R.T. 0.014 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

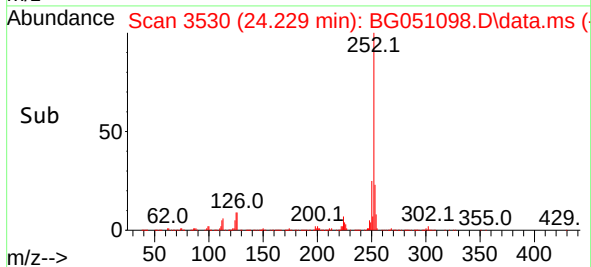
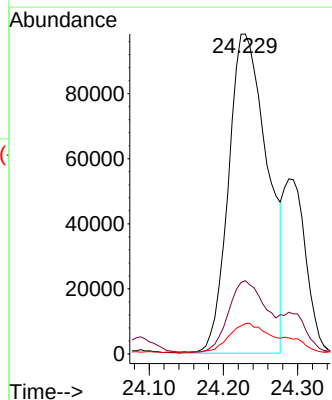
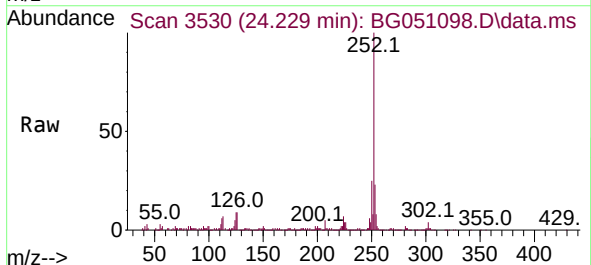
Instrument :
BNA_G
ClientSampleId :
COMP-2

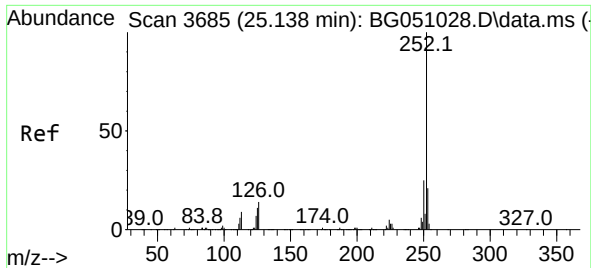
Tgt Ion:252 Resp: 357370
Ion Ratio Lower Upper
252 100
253 22.9 16.2 24.4
125 9.4 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 36.708 ng
RT: 24.229 min Scan# 3530
Delta R.T. -0.057 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:252 Resp: 357370
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 9.4 3.1 4.7#

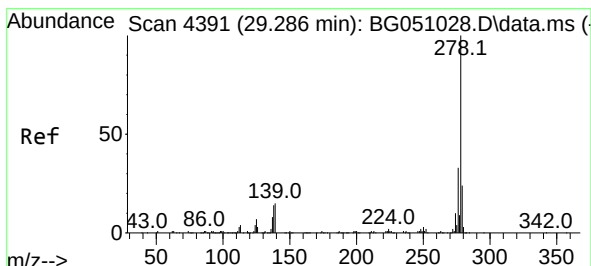
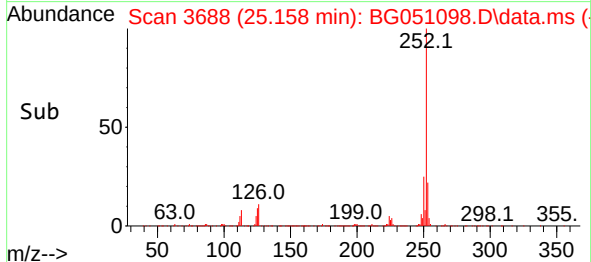
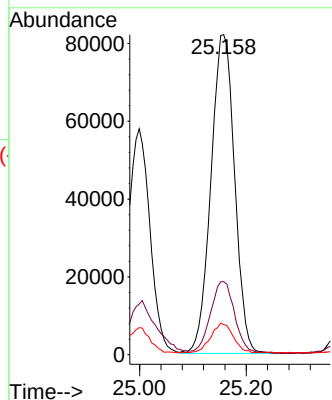
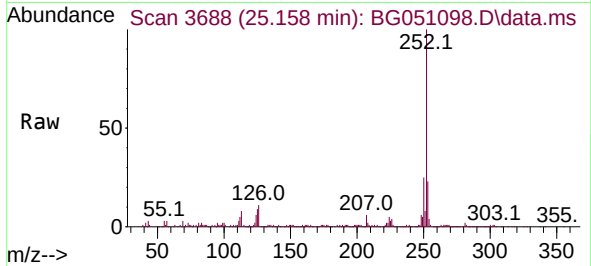




#90
Benzo(a)pyrene
Concen: 30.311 ng
RT: 25.158 min Scan# 3688
Delta R.T. 0.020 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

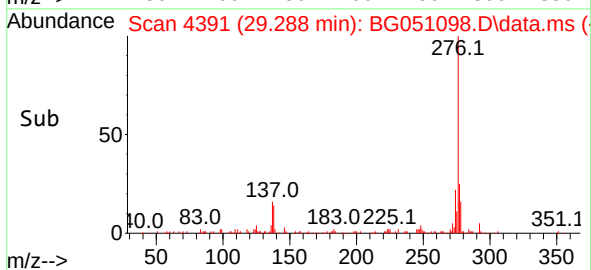
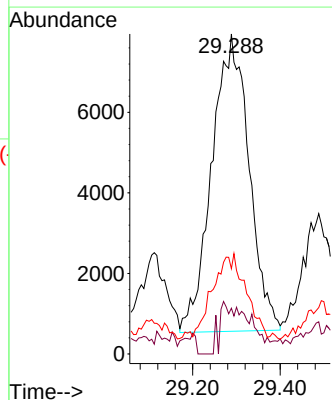
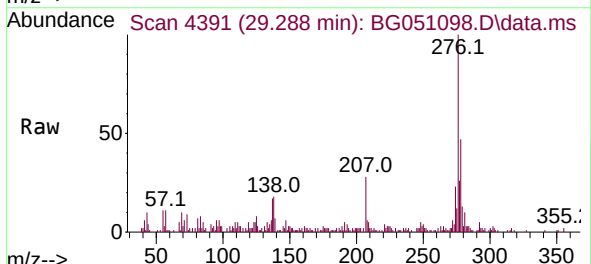
Instrument :
BNA_G
ClientSampleId :
COMP-2

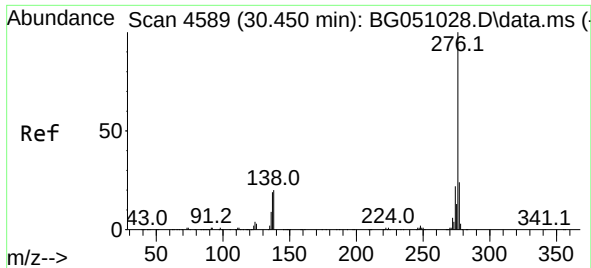
Tgt Ion:252 Resp: 252596
Ion Ratio Lower Upper
252 100
253 22.8 16.6 25.0
125 9.4 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 4.786 ng
RT: 29.288 min Scan# 4391
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:278 Resp: 43374
Ion Ratio Lower Upper
278 100
139 14.3 4.6 6.8#
279 26.6 17.9 26.9





#92
Benzo(g,h,i)perylene
Concen: 16.883 ng
RT: 30.493 min Scan# 4
Delta R.T. 0.043 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tgt Ion:276 Resp: 150567
Ion Ratio Lower Upper
276 100
277 25.1 18.4 27.6
138 17.1 7.0 10.6#

