

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050697.D
 Acq On : 22 Oct 2021 20:20
 Operator : CG/JU
 Sample : M4285-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-GB-(1)

Quant Time: Oct 23 01:45:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

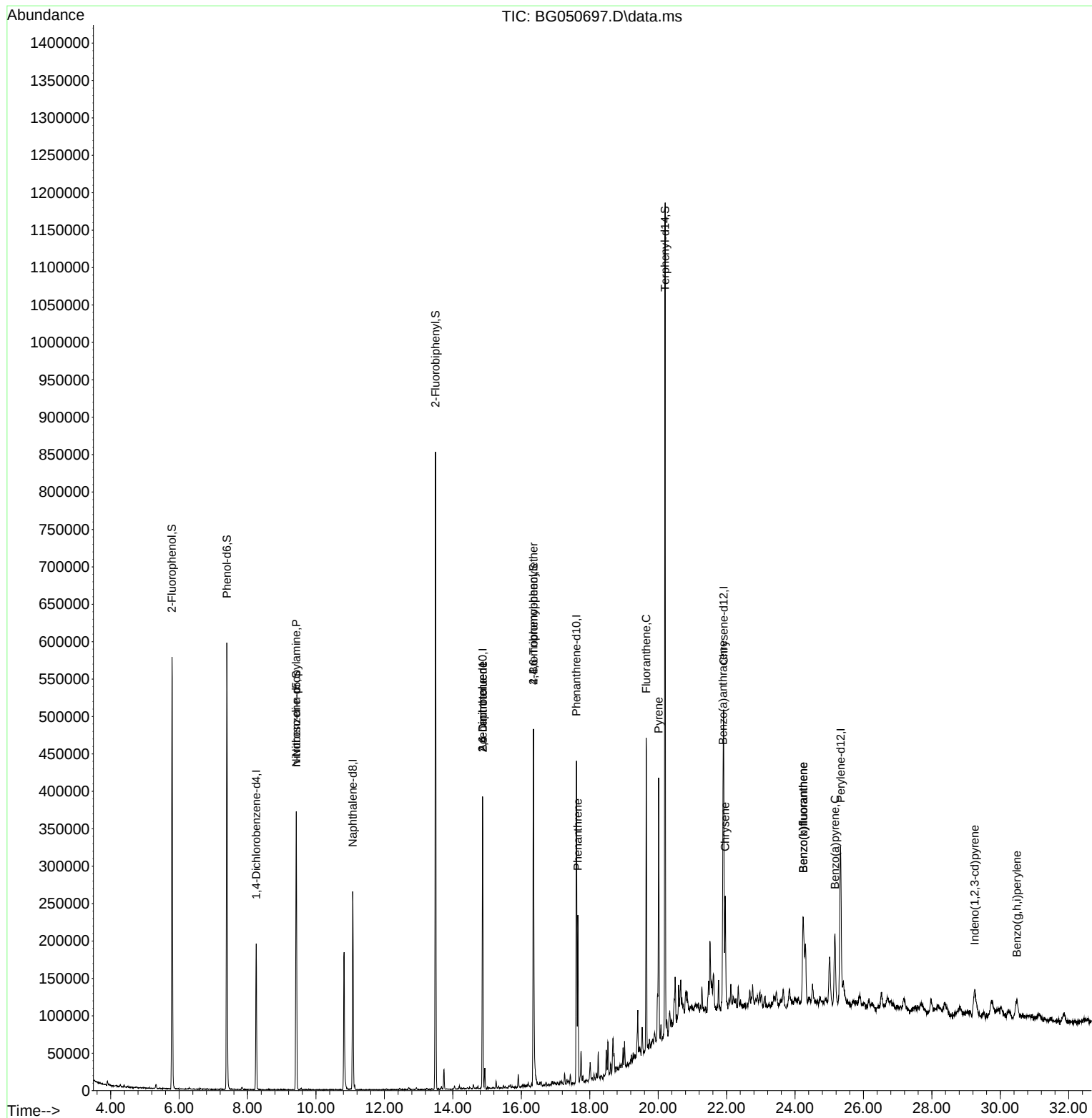
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	50743	20.000	ng	0.00
21) Naphthalene-d8	11.074	136	217524	20.000	ng	#-0.01
39) Acenaphthene-d10	14.869	164	133370	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	259033	20.000	ng	# 0.00
76) Chrysene-d12	21.914	240	214821	20.000	ng	#-0.01
86) Perylene-d12	25.333	264	215816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.792	112	251413	74.098	ng	0.00
7) Phenol-d6	7.396	99	341616	69.541	ng	0.00
23) Nitrobenzene-d5	9.423	82	240424	45.754	ng	0.00
42) 2,4,6-Tribromophenol	16.356	330	84318	66.282	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	420846	47.491	ng	-0.01
79) Terphenyl-d14	20.204	244	506202	45.922	ng	0.00
Target Compounds						
9) Benzaldehyde	7.396	77	789	Below Cal		Qvalue # 10
19) n-Nitroso-di-n-propyla...	9.423	70	33808	9.442	ng	# 70
51) 2,6-Dinitrotoluene	14.869	165	18110	8.969	ng	# 11
57) 2,4-Dinitrotoluene	14.869	165	18110	6.363	ng	# 16
67) 4-Bromophenyl-phenylether	16.356	248	6578	2.520	ng	# 1
71) Phenanthrene	17.654	178	135305	9.912	ng	97
75) Fluoranthene	19.652	202	254815	15.186	ng	96
78) Pyrene	20.016	202	224153	14.707	ng	97
81) Benzo(a)anthracene	21.896	228	125526	8.831	ng	99
83) Chrysene	21.961	228	110337	8.252	ng	94
87) Indeno(1,2,3-cd)pyrene	29.252	276	63853	4.248	ng	94
88) Benzo(b)fluoranthene	24.241	252	153941	11.647	ng	# 90
89) Benzo(k)fluoranthene	24.241	252	153941	11.839	ng	# 94
90) Benzo(a)pyrene	25.169	252	108236	9.632	ng	# 89
92) Benzo(g,h,i)perylene	30.486	276	57219	4.699	ng	# 84

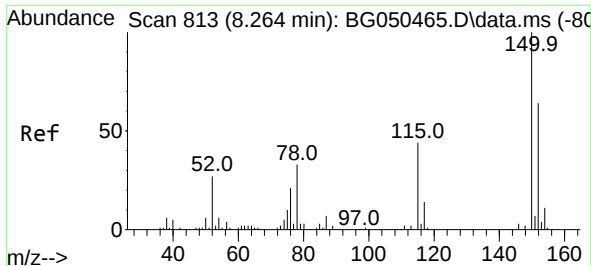
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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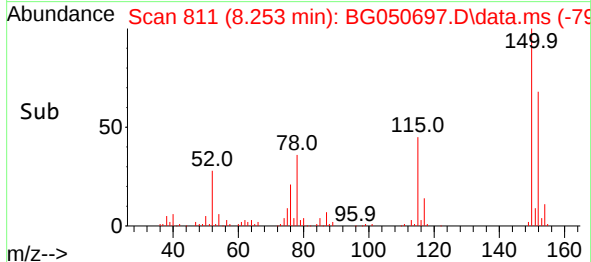
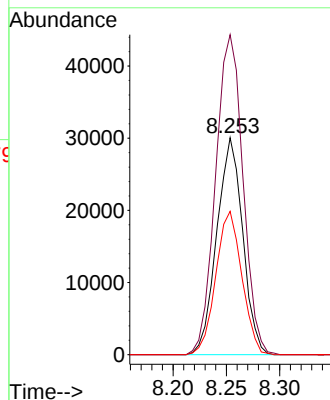
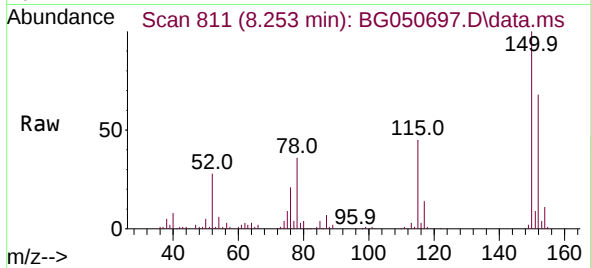




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 811
Delta R.T. -0.005 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

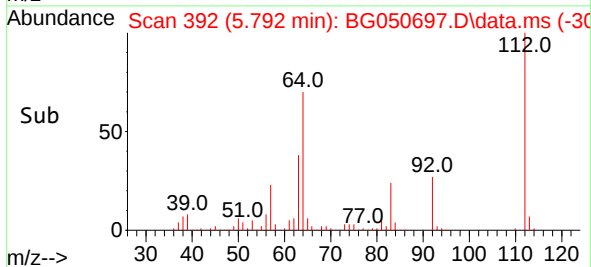
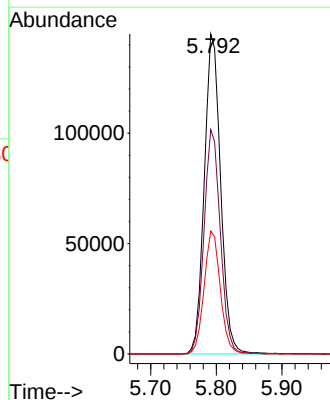
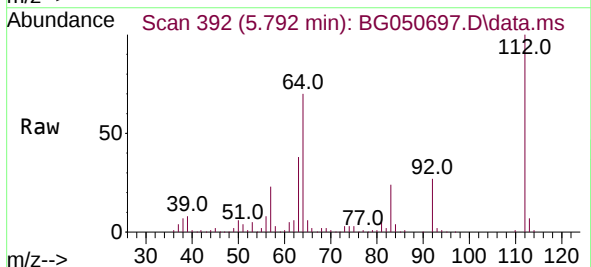
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

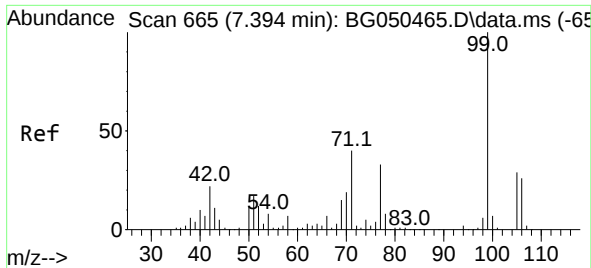
Tgt Ion:152 Resp: 50743
Ion Ratio Lower Upper
152 100
150 147.4 119.4 179.0
115 66.1 60.2 90.4



#5
2-Fluorophenol
Concen: 74.098 ng
RT: 5.792 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:112 Resp: 251413
Ion Ratio Lower Upper
112 100
64 70.1 46.7 70.1#
63 38.4 35.3 52.9

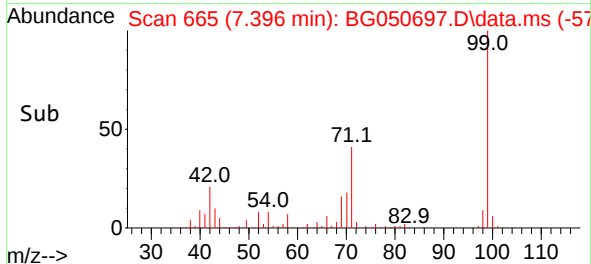
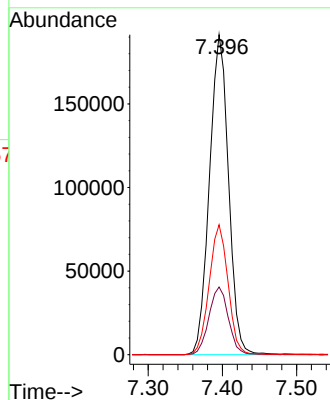
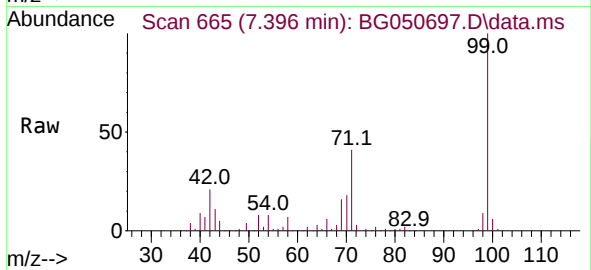




#7
Phenol-d6
Concen: 69.541 ng
RT: 7.396 min Scan# 665
Delta R.T. -0.005 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

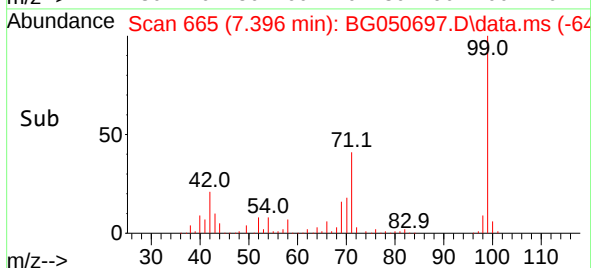
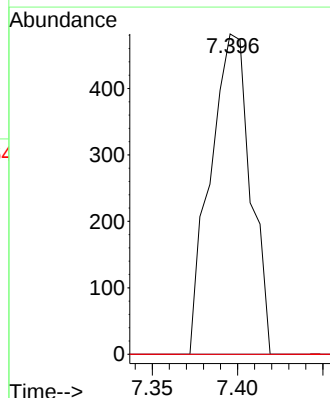
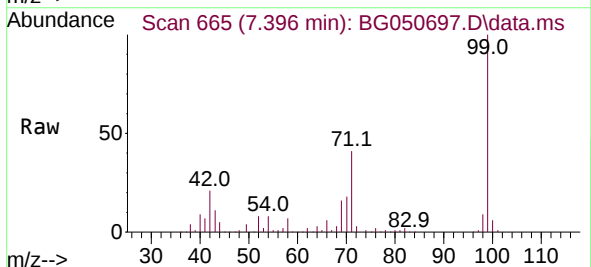
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

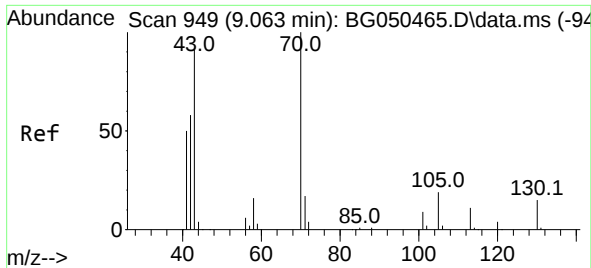
Tgt Ion: 99 Resp: 341616
Ion Ratio Lower Upper
99 100
42 21.1 20.5 30.7
71 40.6 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.396 min Scan# 665
Delta R.T. 0.007 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion: 77 Resp: 789
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

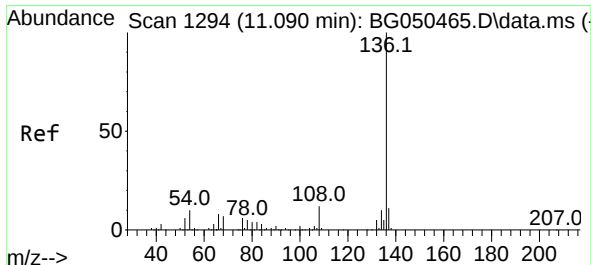
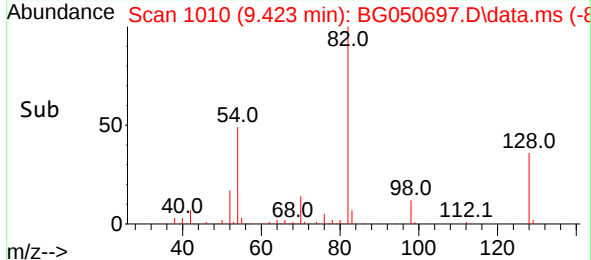
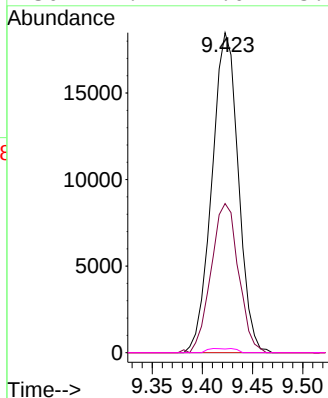
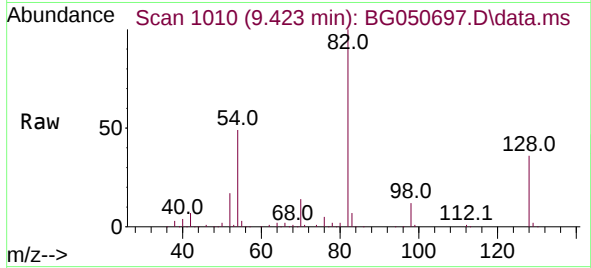




#19
n-Nitroso-di-n-propylamine
Concen: 9.442 ng
RT: 9.423 min Scan# 1010
Delta R.T. 0.365 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

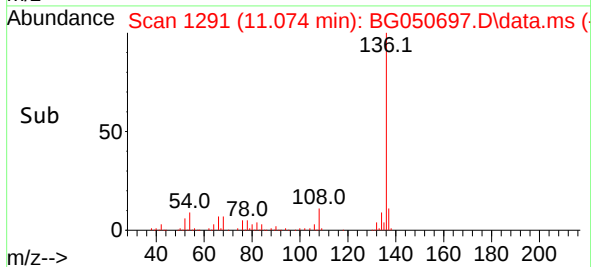
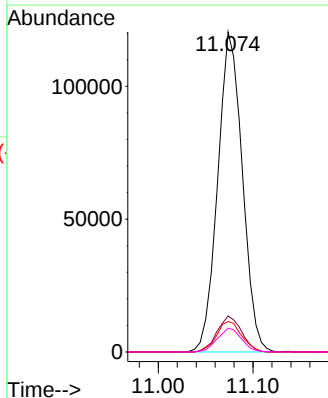
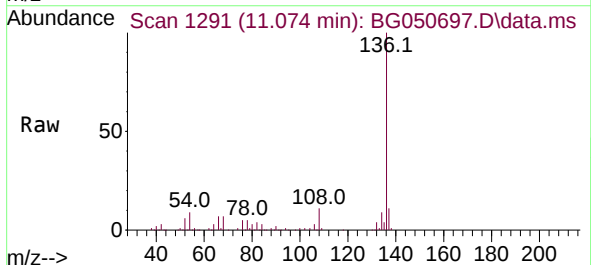
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

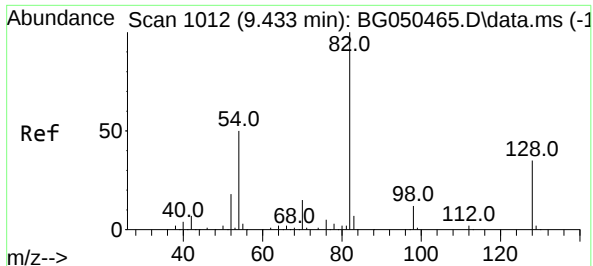
Tgt Ion: 70 Resp: 33808
Ion Ratio Lower Upper
70 100
42 46.6 54.5 81.7#
101 0.0 9.0 13.6#
130 1.2 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.074 min Scan# 1291
Delta R.T. -0.011 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:136 Resp: 217524
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 9.5 5.5 8.3#
68 7.5 2.3 3.5#

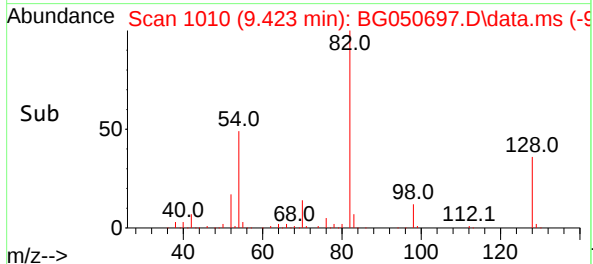
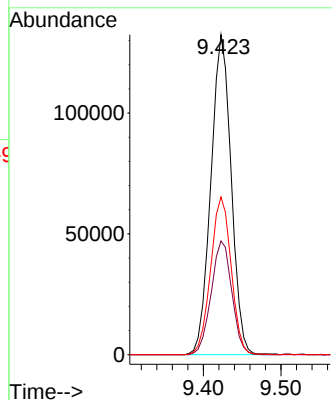
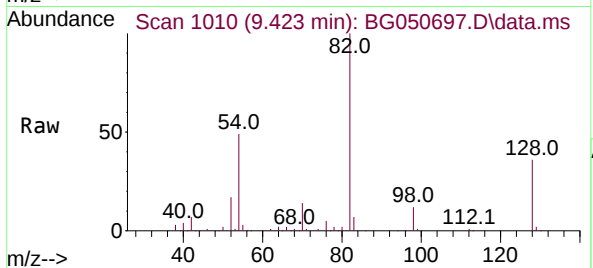




#23
Nitrobenzene-d5
Concen: 45.754 ng
RT: 9.423 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

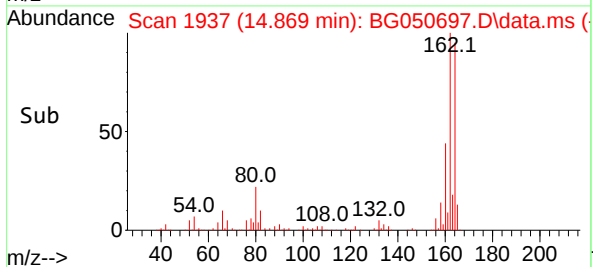
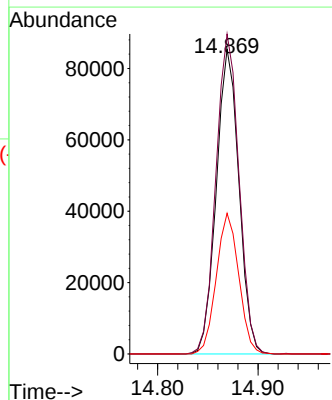
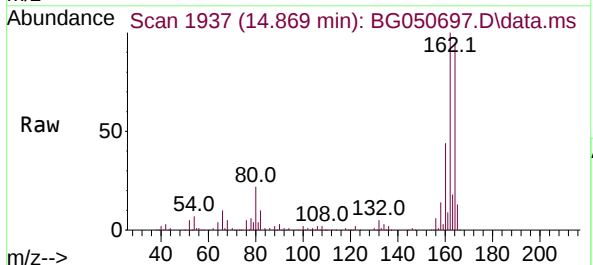
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

Tgt Ion: 82 Resp: 240424
Ion Ratio Lower Upper
82 100
128 35.5 29.8 44.6
54 49.2 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:164 Resp: 133370
Ion Ratio Lower Upper
164 100
162 105.1 81.4 122.0
160 46.2 34.9 52.3

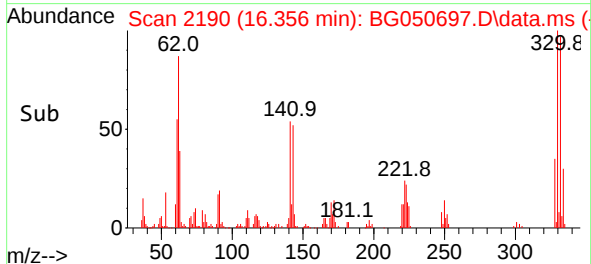
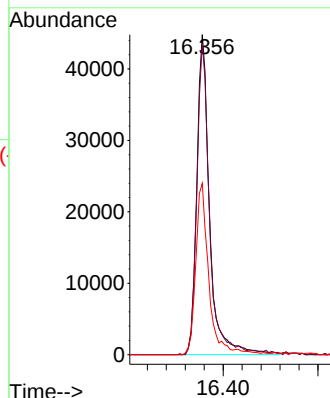
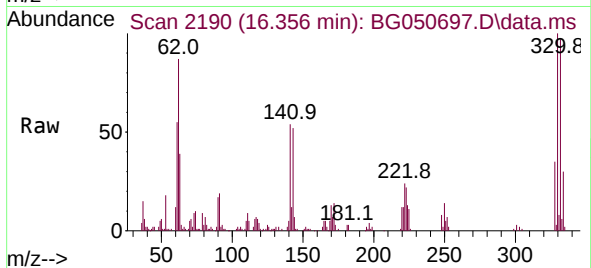




#42
2,4,6-Tribromophenol
Concen: 66.282 ng
RT: 16.356 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

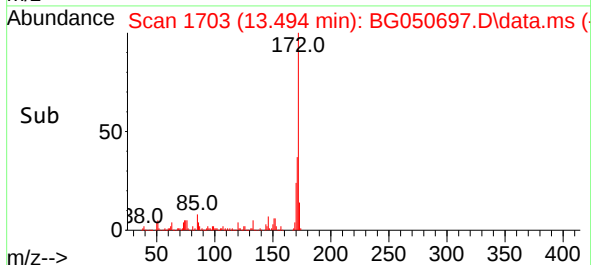
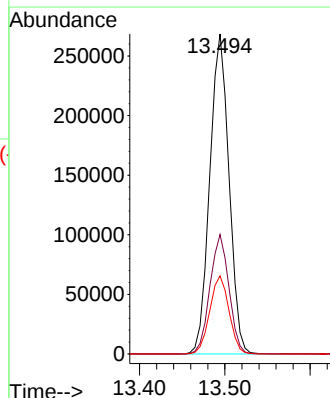
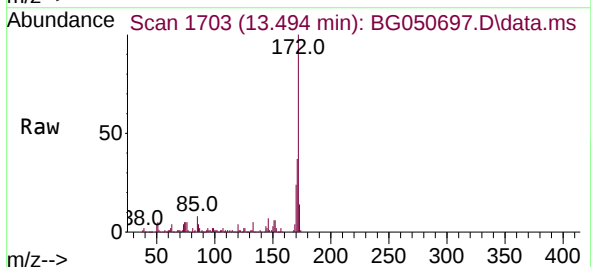
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

Tgt Ion:330 Resp: 84318
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 52.7 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 47.491 ng
RT: 13.494 min Scan# 1703
Delta R.T. -0.011 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:172 Resp: 420846
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 24.4 18.6 27.8

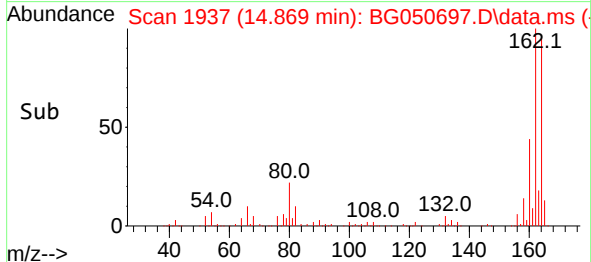
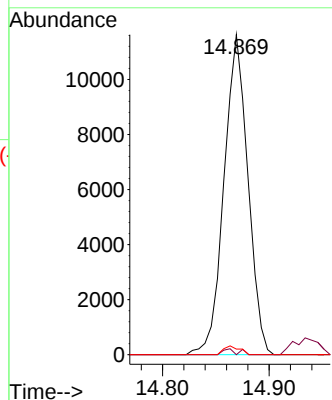
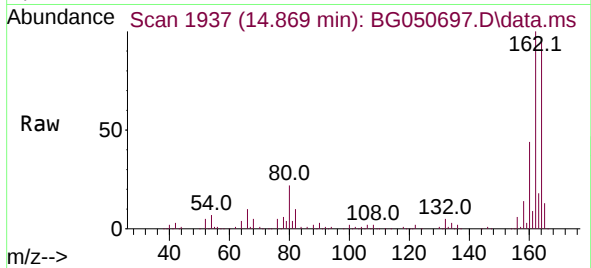




#51
2,6-Dinitrotoluene
Concen: 8.969 ng
RT: 14.869 min Scan# 1937
Delta R.T. 0.424 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

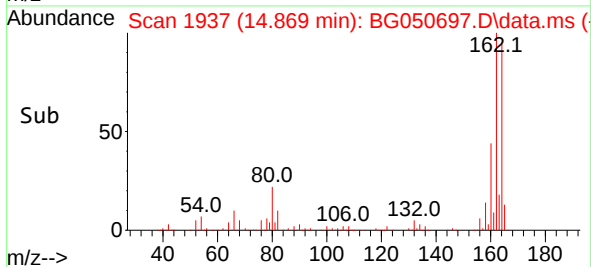
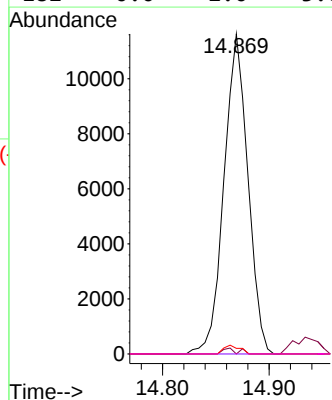
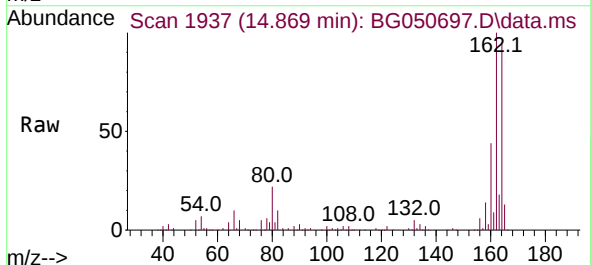
Instrument :
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ClientSampleId :
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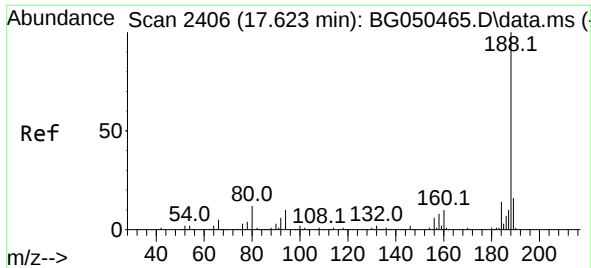
Tgt Ion:165 Resp: 18110
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.7 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.363 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.357 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:165 Resp: 18110
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 1.7 65.4 98.0#
182 0.0 2.0 3.0#

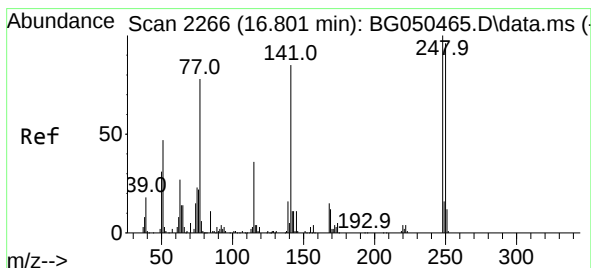
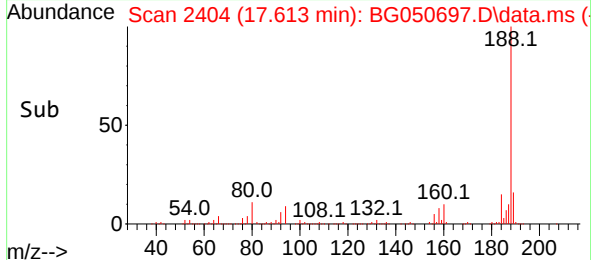
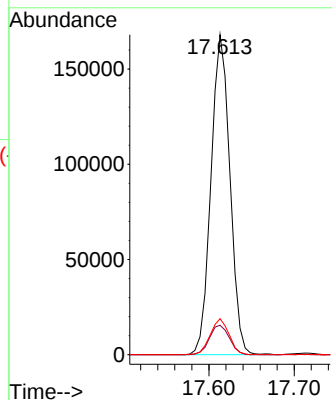
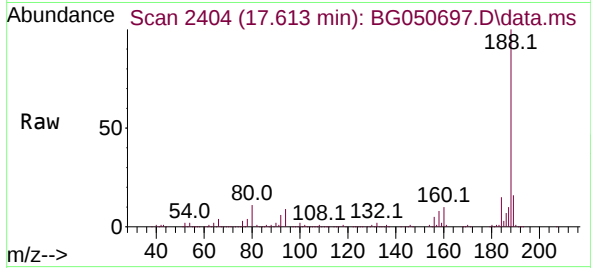




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

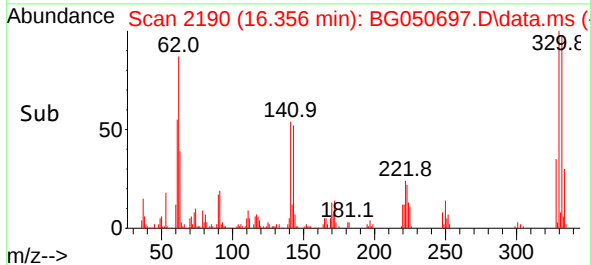
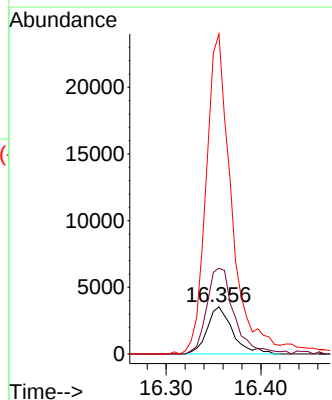
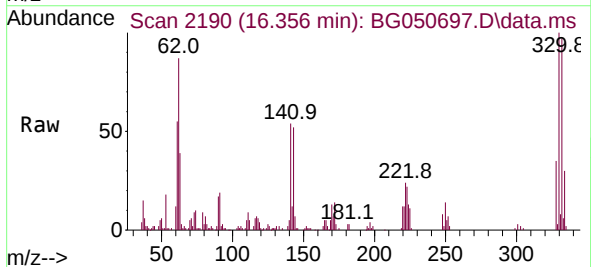
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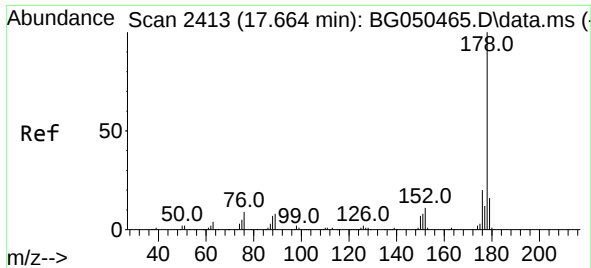
Tgt Ion:188 Resp: 259033
Ion Ratio Lower Upper
188 100
94 9.2 5.4 8.0#
80 11.2 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 2.520 ng
RT: 16.356 min Scan# 2190
Delta R.T. -0.446 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:248 Resp: 6578
Ion Ratio Lower Upper
248 100
250 182.4 76.1 114.1#
141 680.1 65.4 98.2#

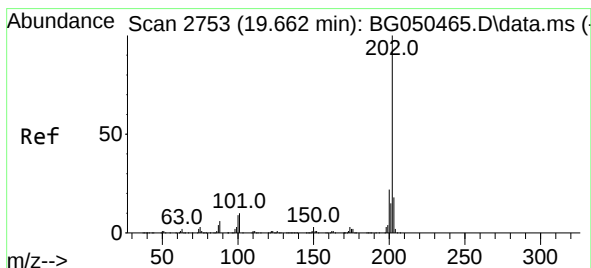
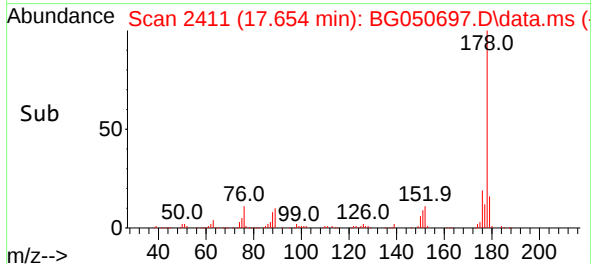
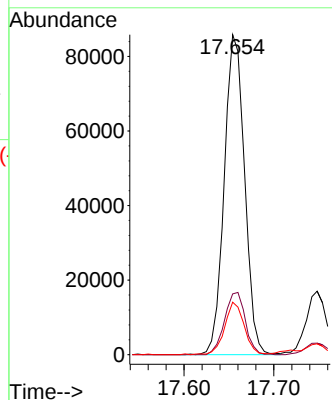
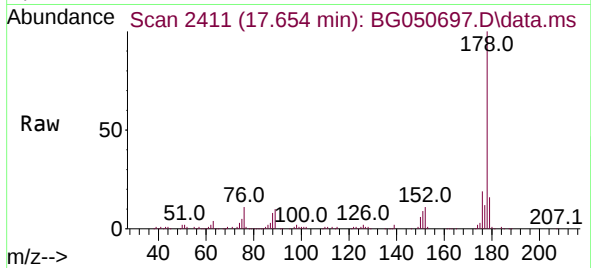




#71
Phenanthrene
Concen: 9.912 ng
RT: 17.654 min Scan# 2411
Delta R.T. -0.011 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

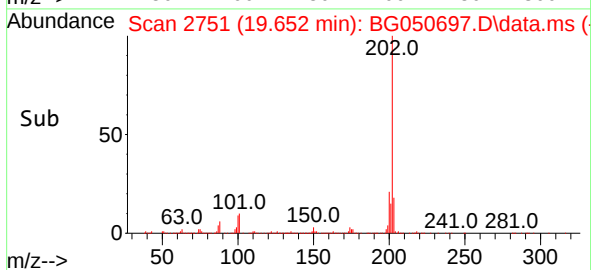
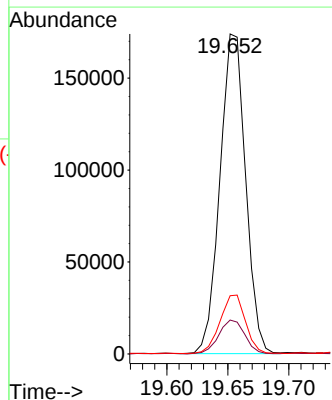
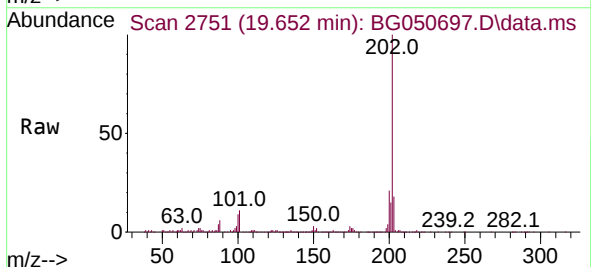
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

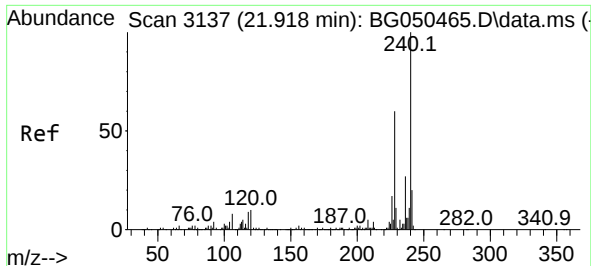
Tgt Ion:178 Resp: 135305
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 16.4 14.2 21.4



#75
Fluoranthene
Concen: 15.186 ng
RT: 19.652 min Scan# 2751
Delta R.T. -0.011 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:202 Resp: 254815
Ion Ratio Lower Upper
202 100
101 10.6 0.0 24.7
203 18.2 0.0 38.5

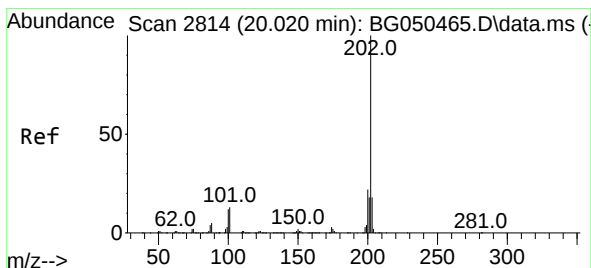
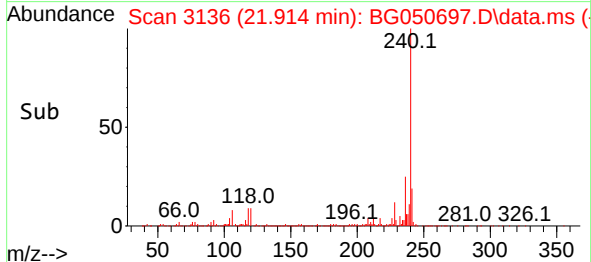
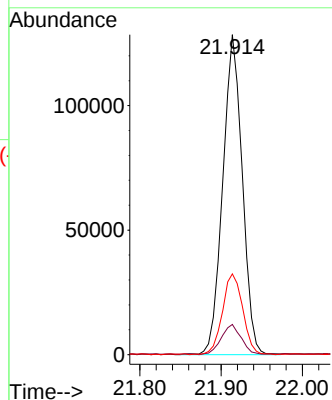
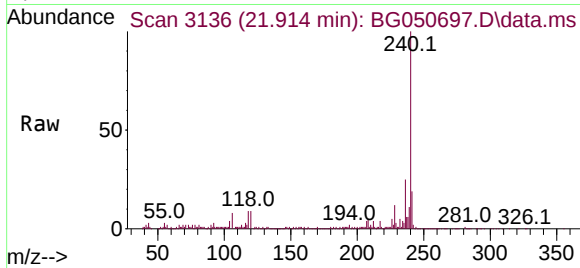




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.914 min Scan# 3136
Delta R.T. -0.011 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

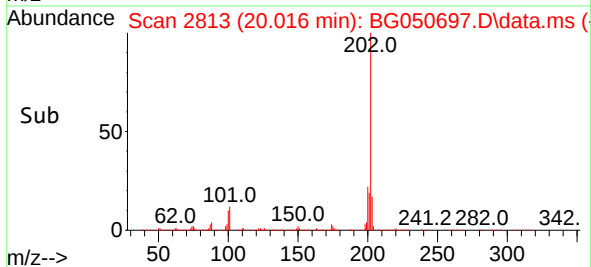
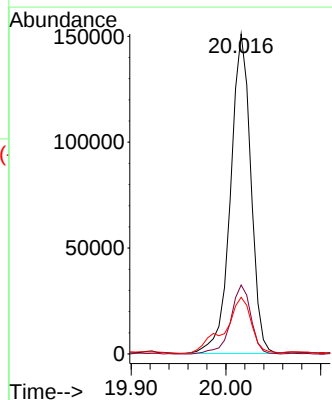
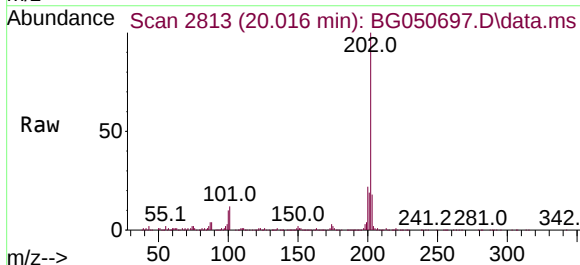
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

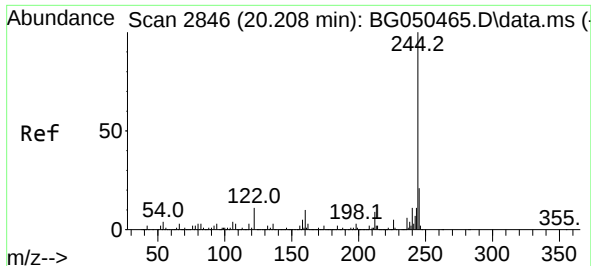
Tgt Ion:240 Resp: 214821
Ion Ratio Lower Upper
240 100
120 9.4 4.2 6.2#
236 25.2 21.8 32.6



#78
Pyrene
Concen: 14.707 ng
RT: 20.016 min Scan# 2813
Delta R.T. -0.005 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:202 Resp: 224153
Ion Ratio Lower Upper
202 100
200 21.6 15.8 23.8
203 17.7 14.6 21.8

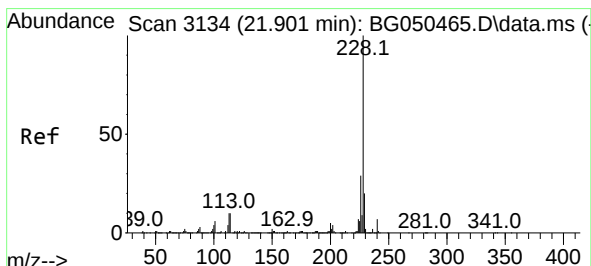
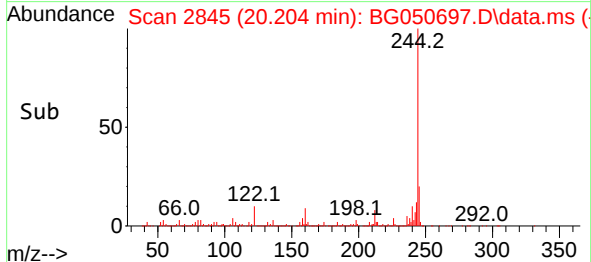
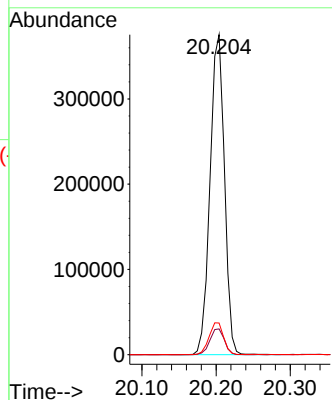
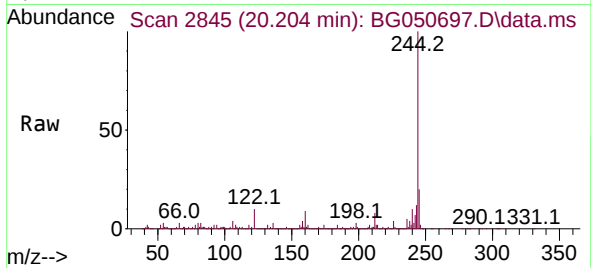




#79
 Terphenyl-d14
 Concen: 45.922 ng
 RT: 20.204 min Scan# 2845
 Delta R.T. -0.005 min
 Lab File: BG050697.D
 Acq: 22 Oct 2021 20:20

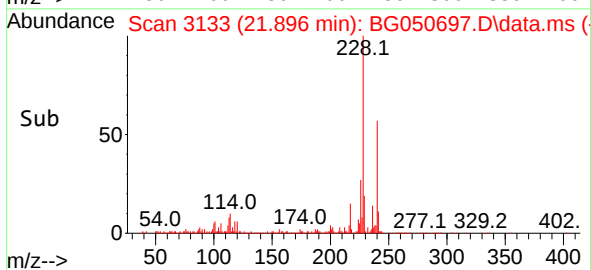
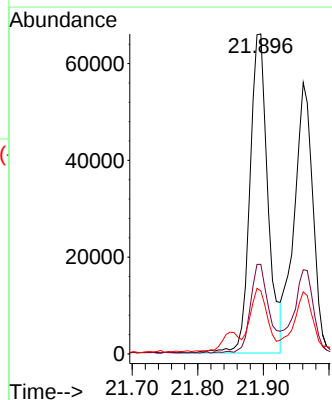
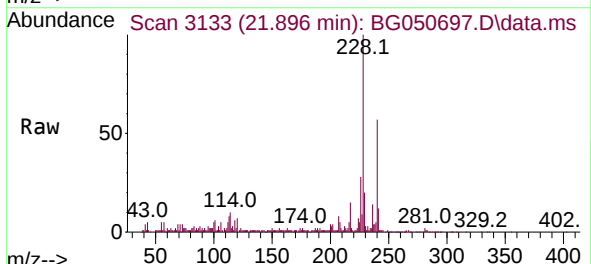
Instrument :
 BNA_G
 ClientSampleId :
 MH-GB-(1)

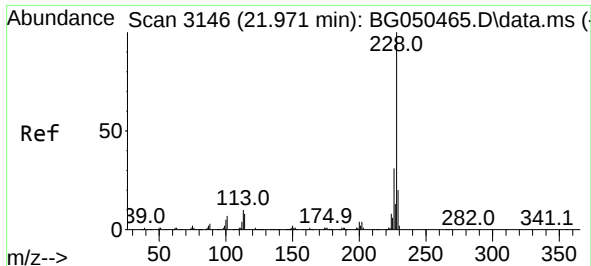
Tgt Ion:244 Resp: 506202
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.9 10.3
 122 9.9 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 8.831 ng
 RT: 21.896 min Scan# 3133
 Delta R.T. -0.005 min
 Lab File: BG050697.D
 Acq: 22 Oct 2021 20:20

Tgt Ion:228 Resp: 125526
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.7 34.1
 229 19.7 16.0 24.0

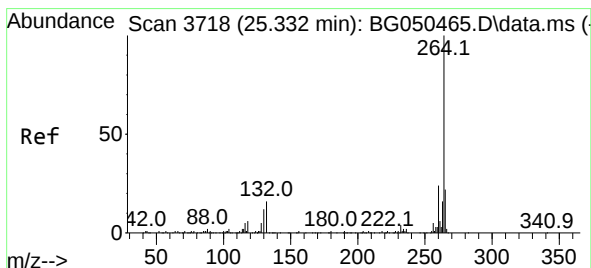
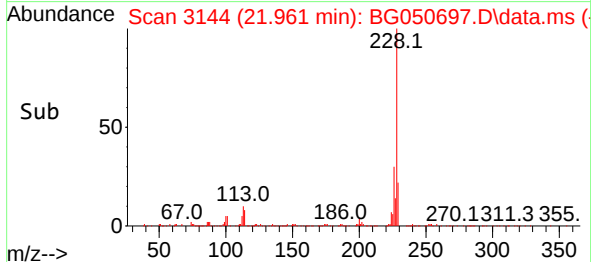
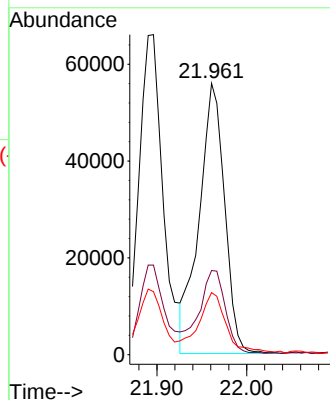
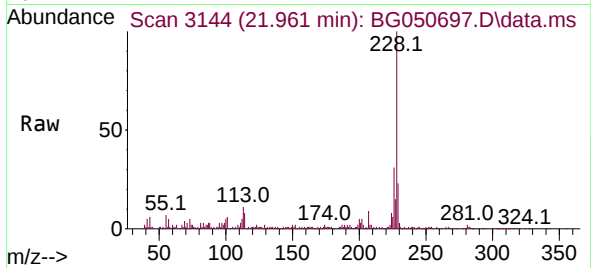




#83
Chrysene
Concen: 8.252 ng
RT: 21.961 min Scan# 3144
Delta R.T. -0.011 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

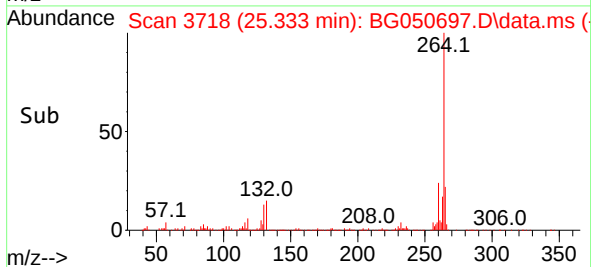
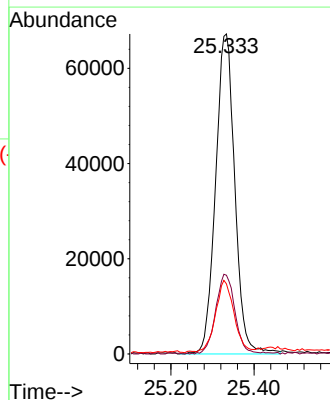
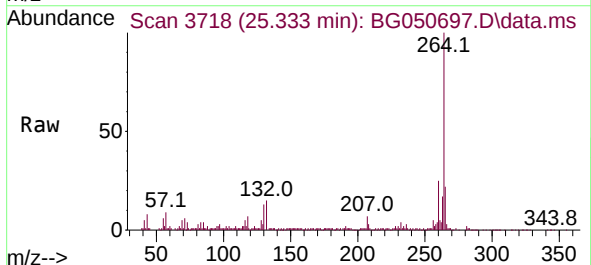
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

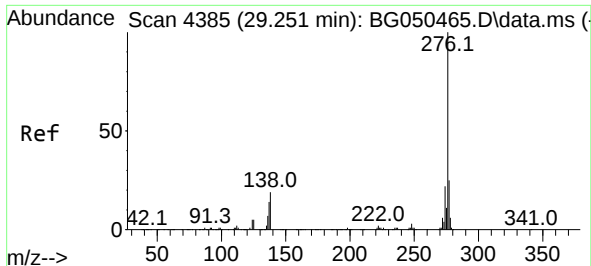
Tgt Ion:	228	Resp:	110337
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.1	34.7
229	22.9	15.3	22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.333 min Scan# 3718
Delta R.T. 0.001 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:	264	Resp:	215816
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.2
265	21.9	16.9	25.3

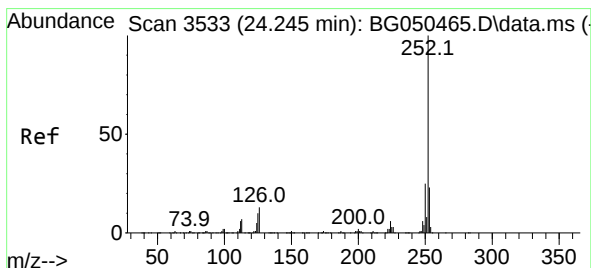
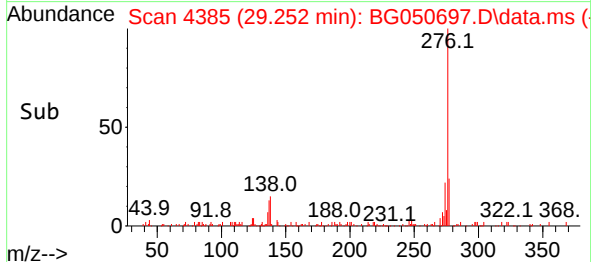
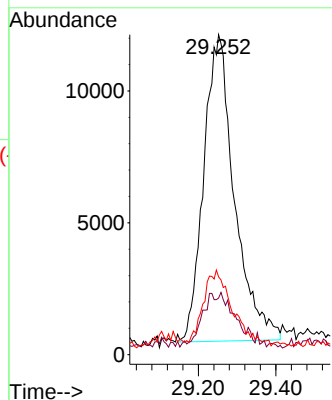
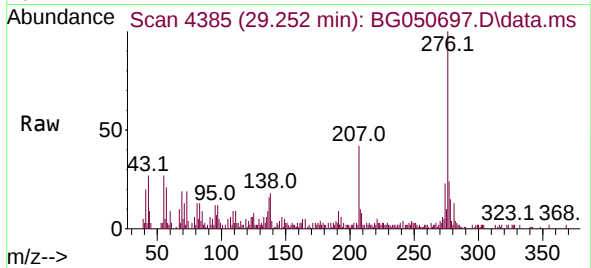




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.248 ng
 RT: 29.252 min Scan# 4385
 Delta R.T. -0.011 min
 Lab File: BG050697.D
 Acq: 22 Oct 2021 20:20

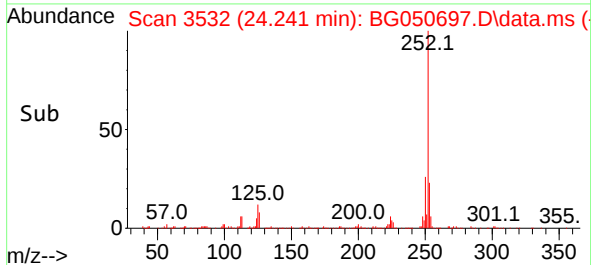
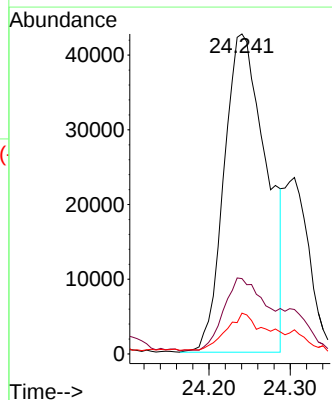
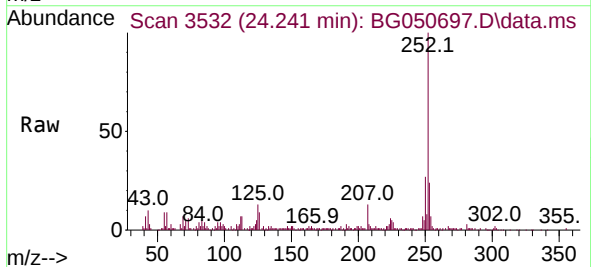
Instrument :
 BNA_G
 ClientSampled :
 MH-GB-(1)

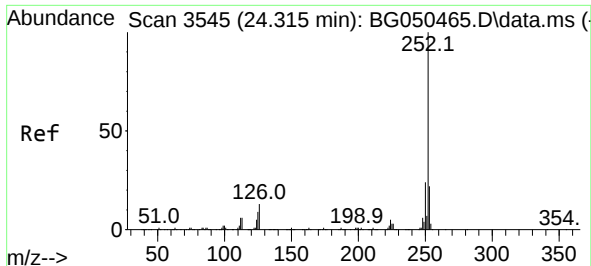
Tgt Ion:	276	Resp:	63853
Ion Ratio	Lower	Upper	
276	100		
138	6.9	5.1	7.7
277	21.4	19.8	29.6



#88
 Benzo(b)fluoranthene
 Concen: 11.647 ng
 RT: 24.241 min Scan# 3532
 Delta R.T. -0.005 min
 Lab File: BG050697.D
 Acq: 22 Oct 2021 20:20

Tgt Ion:	252	Resp:	153941
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.2	24.4
125	12.7	3.0	4.4#

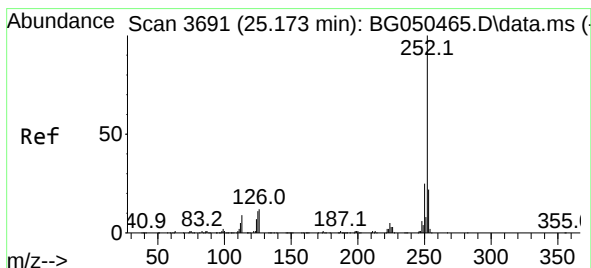
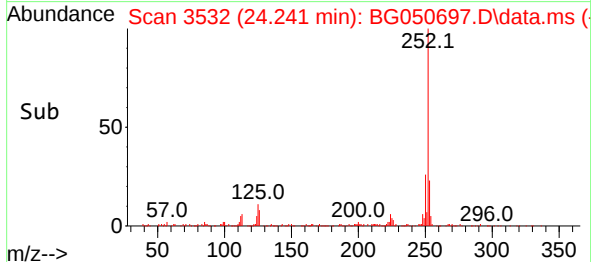
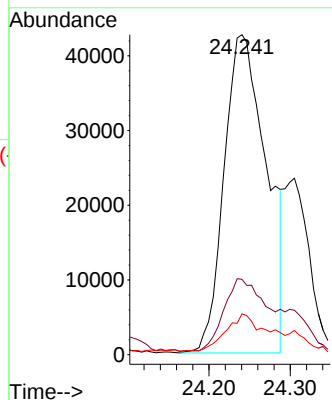
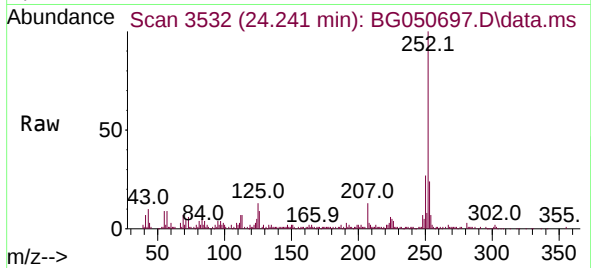




#89
Benzo(k)fluoranthene
Concen: 11.839 ng
RT: 24.241 min Scan# 3532
Delta R.T. -0.075 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

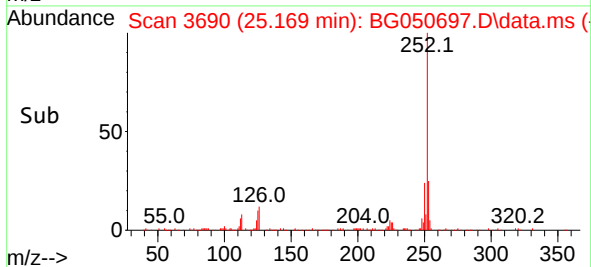
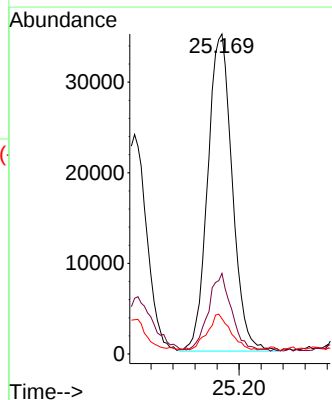
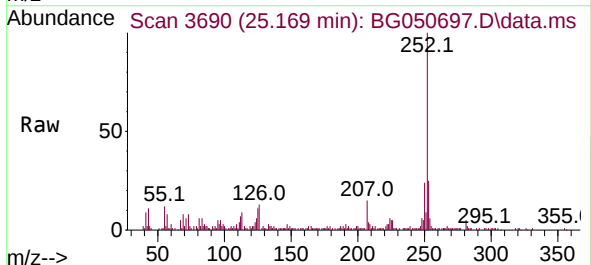
Instrument :
BNA_G
ClientSampleId :
MH-GB-(1)

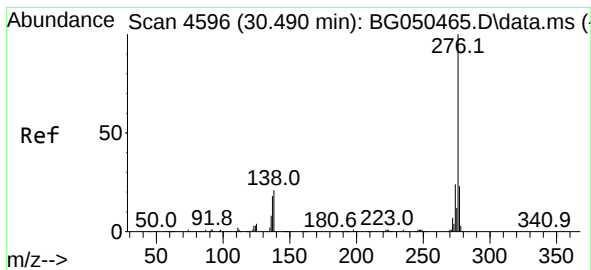
Tgt Ion:252 Resp: 153941
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 12.7 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 9.632 ng
RT: 25.169 min Scan# 3690
Delta R.T. -0.005 min
Lab File: BG050697.D
Acq: 22 Oct 2021 20:20

Tgt Ion:252 Resp: 108236
Ion Ratio Lower Upper
252 100
253 25.2 16.6 25.0#
125 11.0 3.5 5.3#





#92

Benzo(g,h,i)perylene

Concen: 4.699 ng

RT: 30.486 min Scan# 4595

Delta R.T. -0.011 min

Lab File: BG050697.D

Acq: 22 Oct 2021 20:20

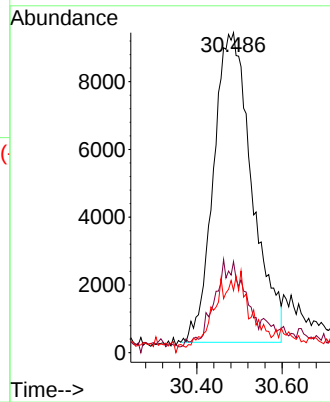
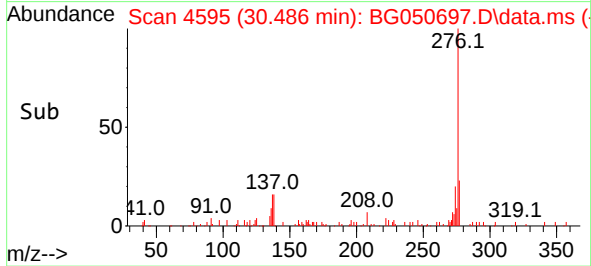
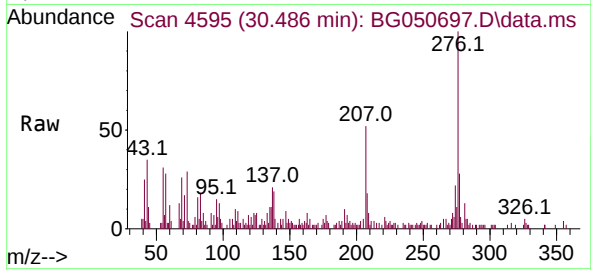
Tgt Ion: 276 Resp: 57219

Ion Ratio Lower Upper

276 100

277 28.4 18.4 27.6#

138 19.4 7.0 10.6#



Instrument :

BNA_G

ClientSampleId :

MH-GB-(1)