

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050696.D
 Acq On : 22 Oct 2021 19:39
 Operator : CG/JU
 Sample : M4285-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 23 01:45:16 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)

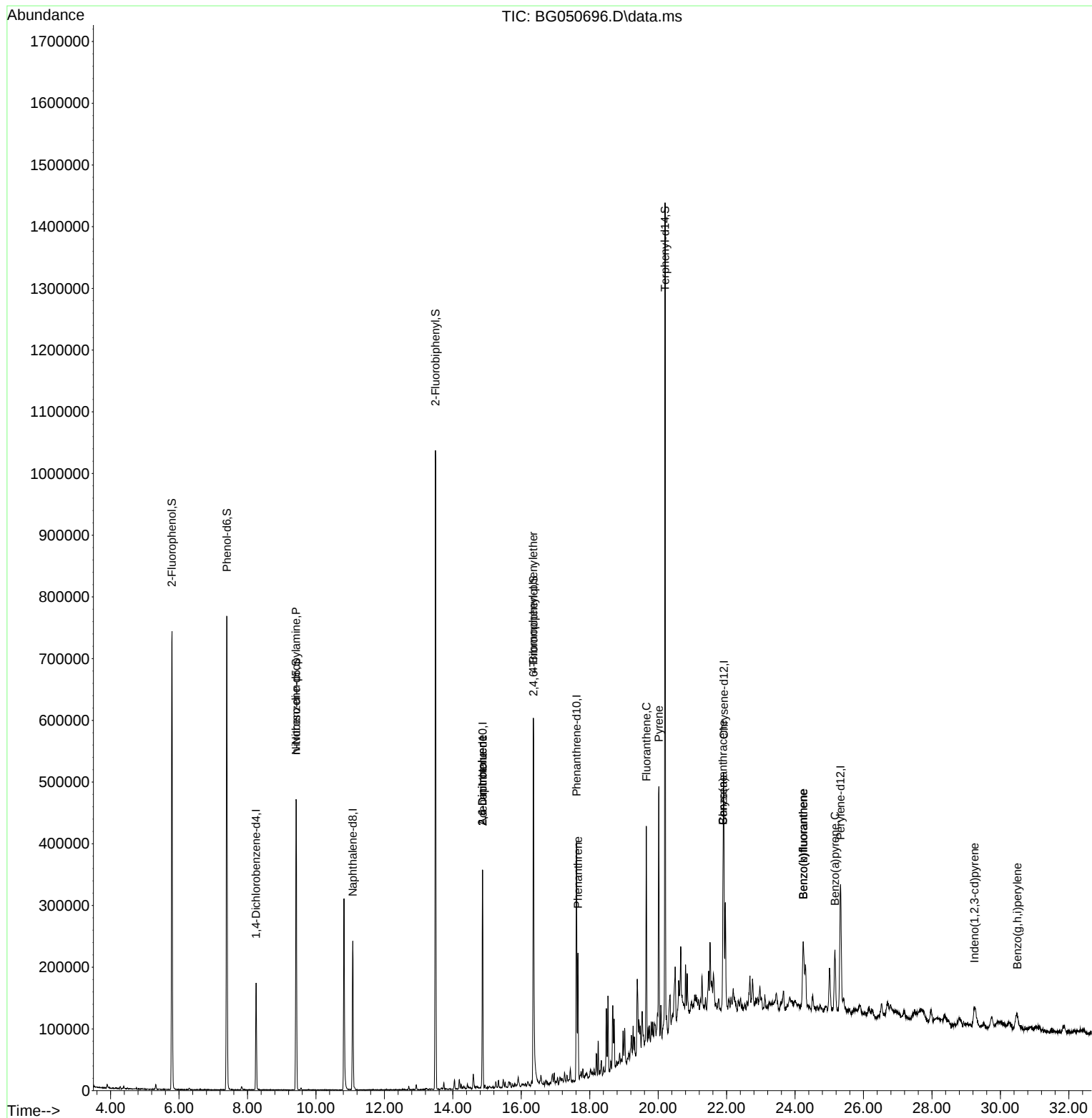
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.250	152	45931	20.000	ng	0.00
21) Naphthalene-d8	11.076	136	197310	20.000	ng	# 0.00
39) Acenaphthene-d10	14.872	164	123179	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	241713	20.000	ng	# 0.00
76) Chrysene-d12	21.916	240	198544	20.000	ng	# 0.00
86) Perylene-d12	25.330	264	200048	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	328453	106.946	ng	0.00
7) Phenol-d6	7.398	99	438130	98.532	ng	0.00
23) Nitrobenzene-d5	9.419	82	308616	64.748	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	106753	90.860	ng	0.00
45) 2-Fluorobiphenyl	13.491	172	527042	64.395	ng	-0.01
79) Terphenyl-d14	20.201	244	592966	58.203	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.404	77	900	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.419	70	43670	13.474	ng	# 71
51) 2,6-Dinitrotoluene	14.866	165	16794	9.005	ng	# 12
57) 2,4-Dinitrotoluene	14.866	165	16794	6.389	ng	# 17
67) 4-Bromophenyl-phenylether	16.352	248	8316	3.414	ng	# 1
71) Phenanthrene	17.657	178	128374	10.079	ng	96
75) Fluoranthene	19.654	202	209004	13.349	ng	96
78) Pyrene	20.019	202	250043	17.750	ng	98
81) Benzo(a)anthracene	21.893	228	110721	8.428	ng	97
83) Chrysene	21.893	228	110721	8.960	ng	97
87) Indeno(1,2,3-cd)pyrene	29.243	276	62325	4.473	ng	# 83
88) Benzo(b)fluoranthene	24.243	252	139199	11.362	ng	# 90
89) Benzo(k)fluoranthene	24.243	252	139199	11.549	ng	# 94
90) Benzo(a)pyrene	25.165	252	102779	9.867	ng	# 93
92) Benzo(g,h,i)perylene	30.495	276	61497	5.448	ng	# 89

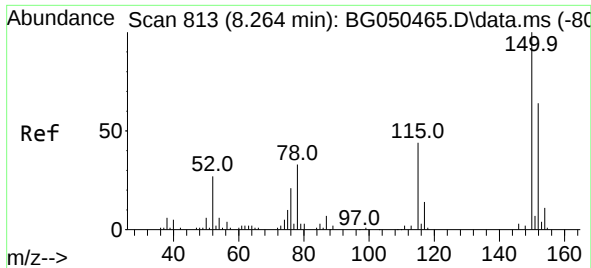
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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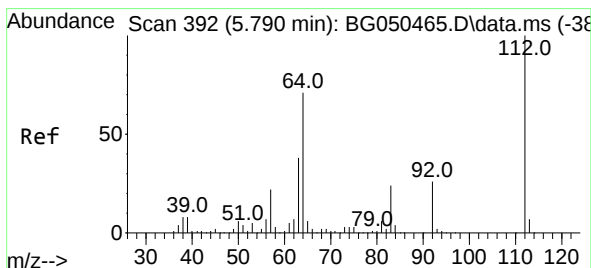
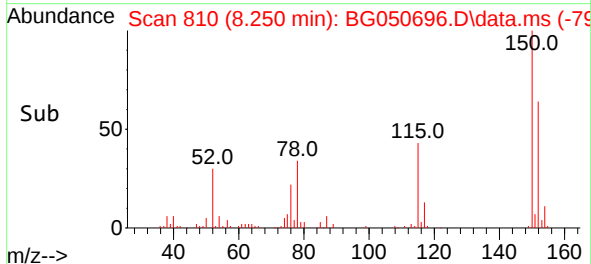
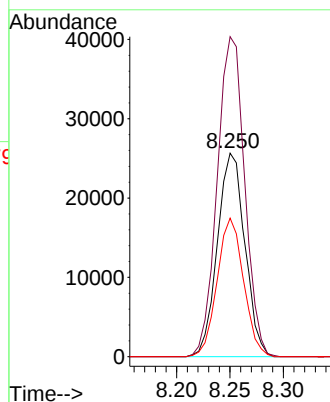
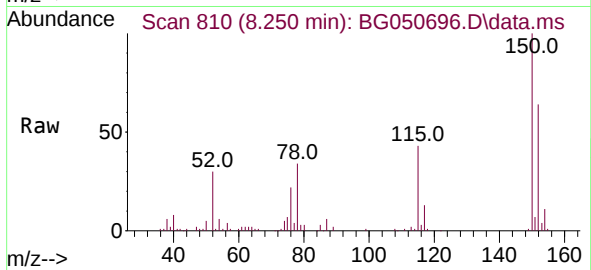




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.250 min Scan# 810
Delta R.T. -0.008 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

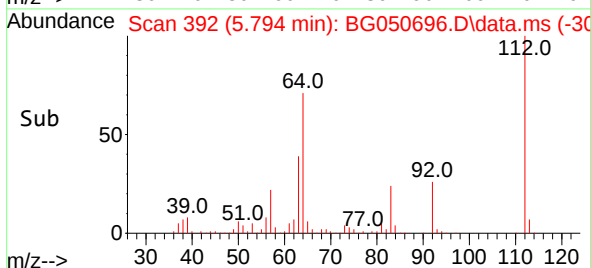
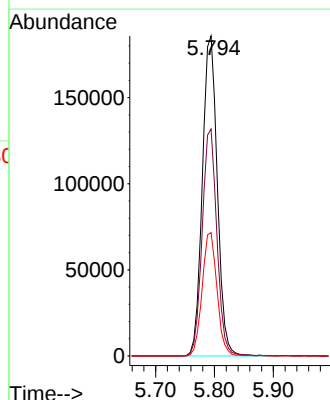
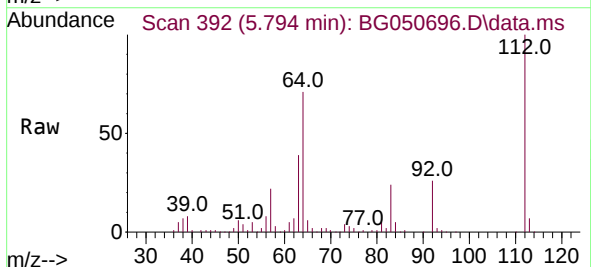
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

Tgt Ion:152 Resp: 45931
Ion Ratio Lower Upper
152 100
150 157.2 119.4 179.0
115 68.1 60.2 90.4



#5
2-Fluorophenol
Concen: 106.946 ng
RT: 5.794 min Scan# 392
Delta R.T. 0.003 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:112 Resp: 328453
Ion Ratio Lower Upper
112 100
64 70.9 46.7 70.1#
63 38.5 35.3 52.9

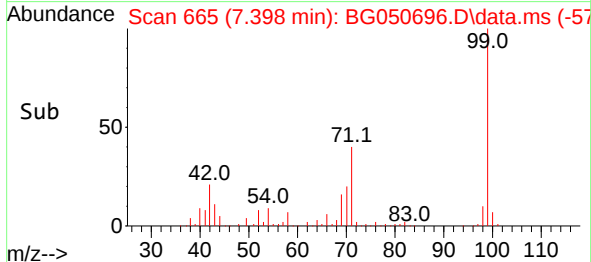
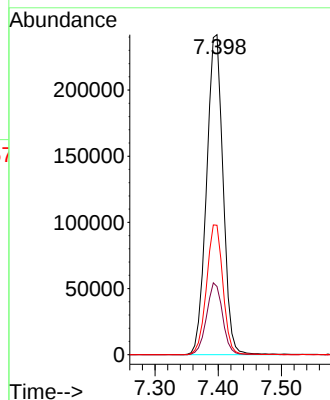
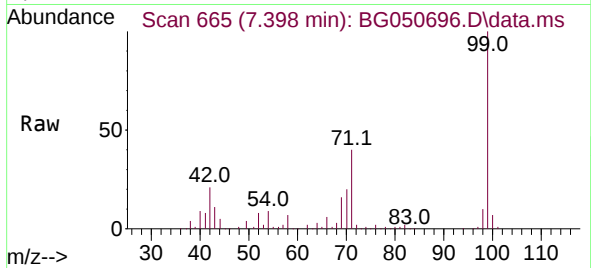




#7
Phenol-d6
Concen: 98.532 ng
RT: 7.398 min Scan# 665
Delta R.T. -0.002 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

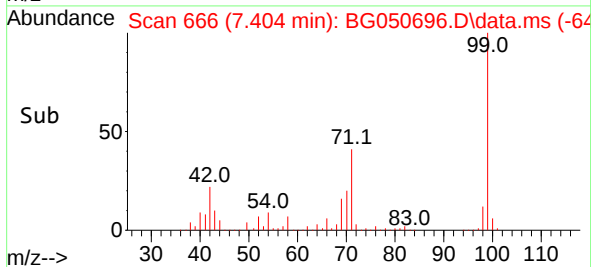
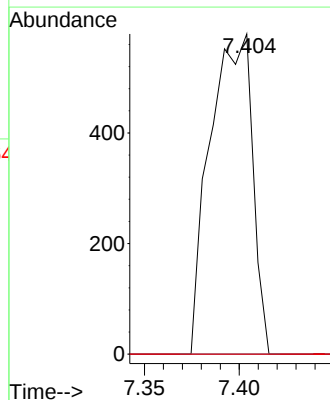
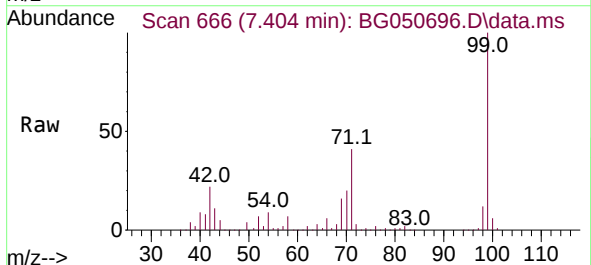
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

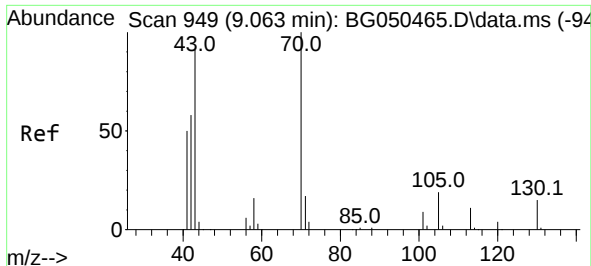
Tgt Ion: 99 Resp: 438130
Ion Ratio Lower Upper
99 100
42 21.3 20.5 30.7
71 40.5 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.404 min Scan# 666
Delta R.T. 0.015 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion: 77 Resp: 900
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

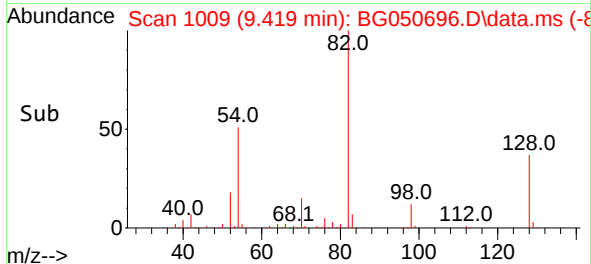
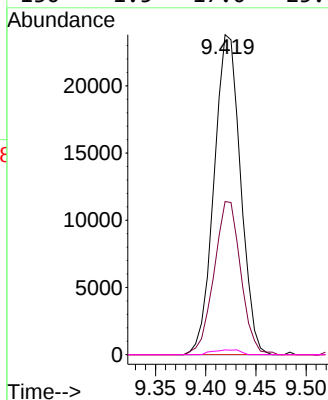
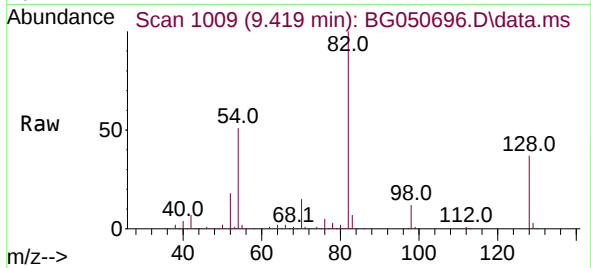




#19
n-Nitroso-di-n-propylamine
Concen: 13.474 ng
RT: 9.419 min Scan# 1009
Delta R.T. 0.362 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

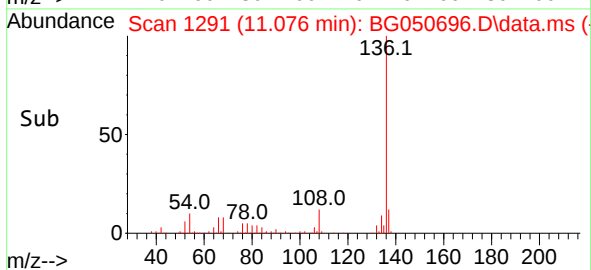
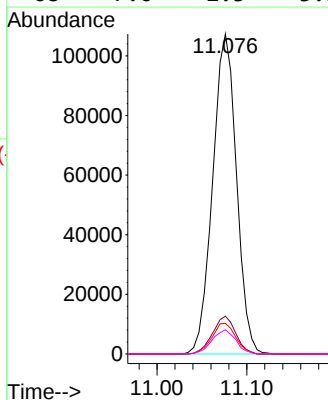
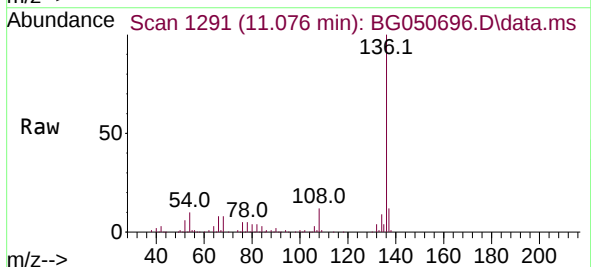
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

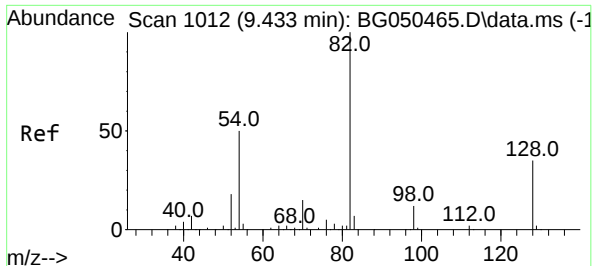
Tgt Ion: 70 Resp: 43670
Ion Ratio Lower Upper
70 100
42 47.8 54.5 81.7#
101 0.0 9.0 13.6#
130 1.5 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.076 min Scan# 1291
Delta R.T. -0.008 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:136 Resp: 197310
Ion Ratio Lower Upper
136 100
137 11.8 8.2 12.2
54 9.5 5.5 8.3#
68 7.6 2.3 3.5#

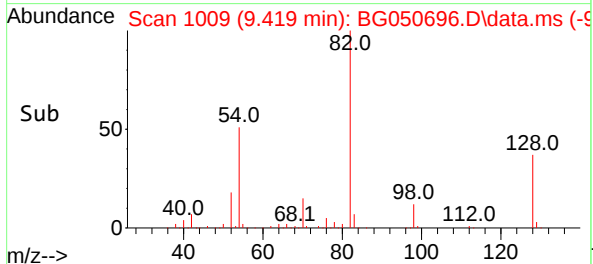
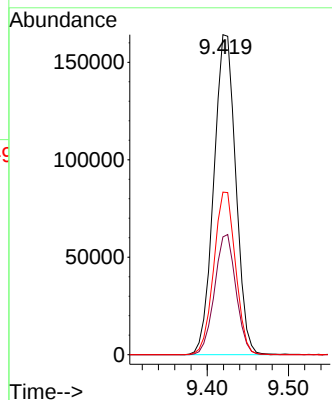
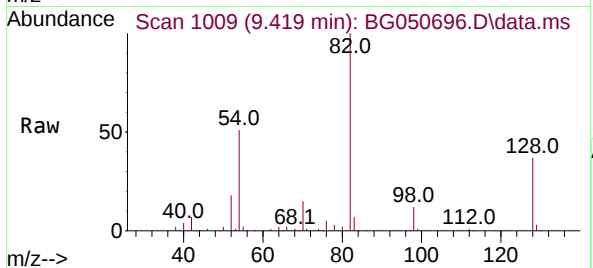




#23
Nitrobenzene-d5
Concen: 64.748 ng
RT: 9.419 min Scan# 1009
Delta R.T. -0.008 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

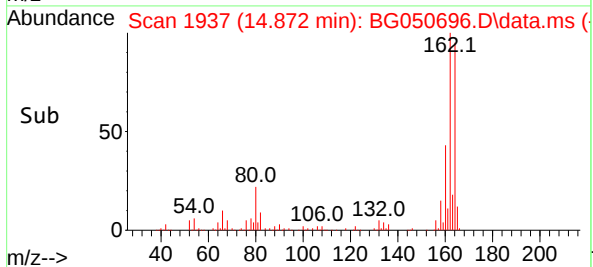
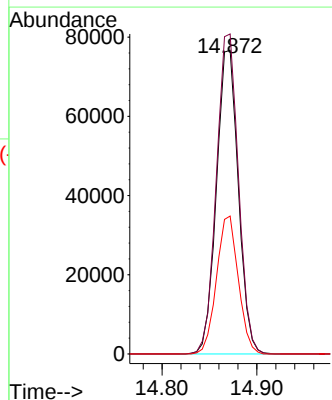
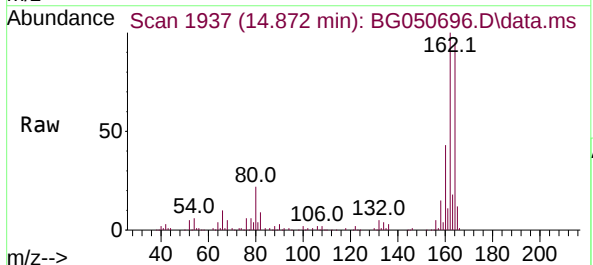
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

Tgt Ion: 82 Resp: 308616
Ion Ratio Lower Upper
82 100
128 36.8 29.8 44.6
54 50.8 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.872 min Scan# 1937
Delta R.T. -0.002 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:164 Resp: 123179
Ion Ratio Lower Upper
164 100
162 105.4 81.4 122.0
160 45.4 34.9 52.3

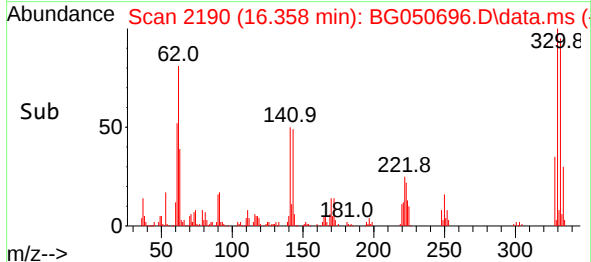
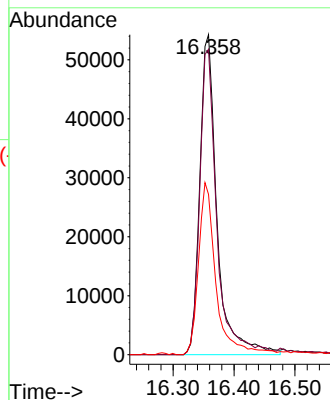
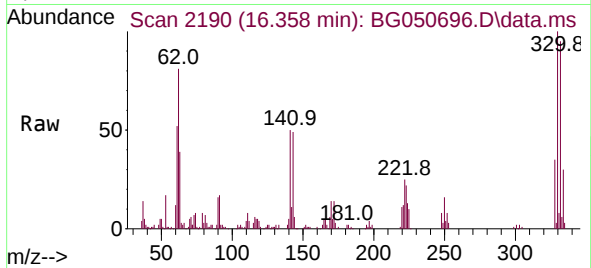




#42
2,4,6-Tribromophenol
Concen: 90.860 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.002 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

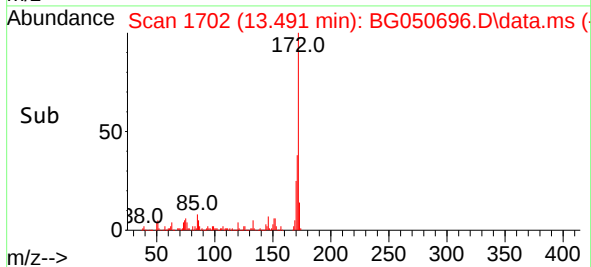
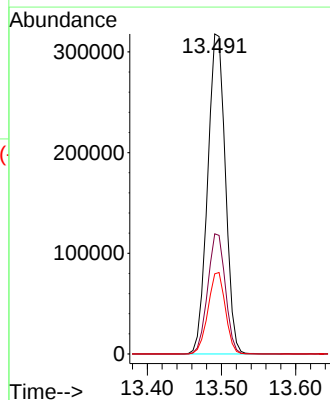
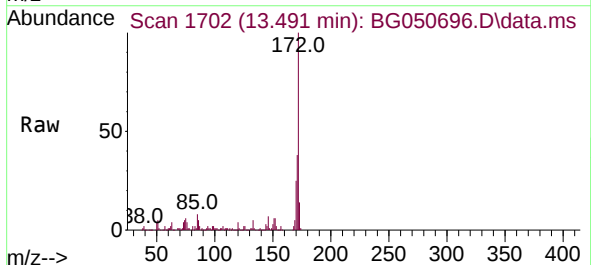
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

Tgt Ion:330 Resp: 106753
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 55.1 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 64.395 ng
RT: 13.491 min Scan# 1702
Delta R.T. -0.014 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:172 Resp: 527042
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 25.1 18.6 27.8

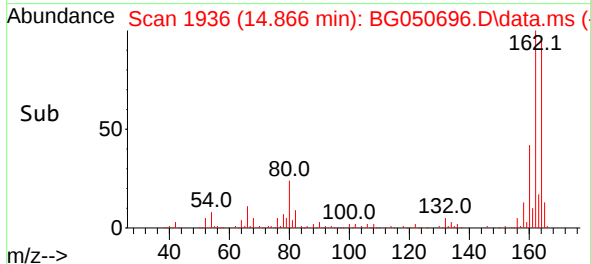
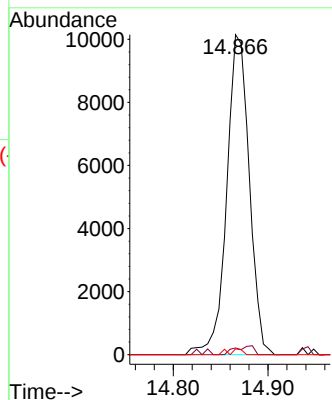
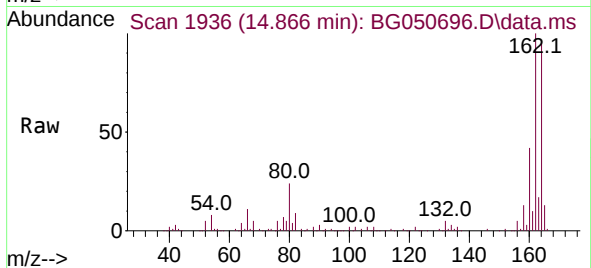




#51
2,6-Dinitrotoluene
Concen: 9.005 ng
RT: 14.866 min Scan# 1936
Delta R.T. 0.421 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

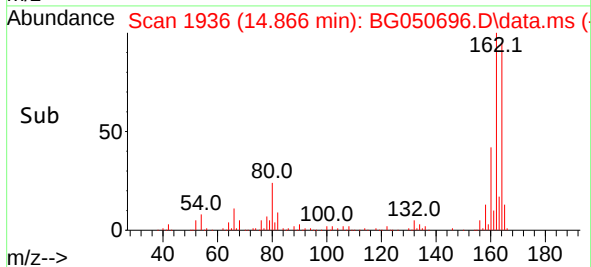
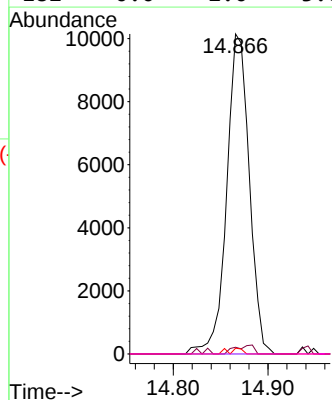
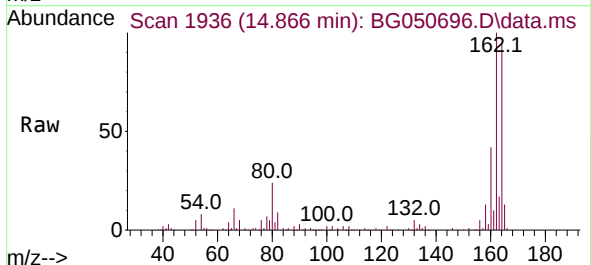
Instrument :
BNA_G
ClientSampled :
MH-EA-(1)

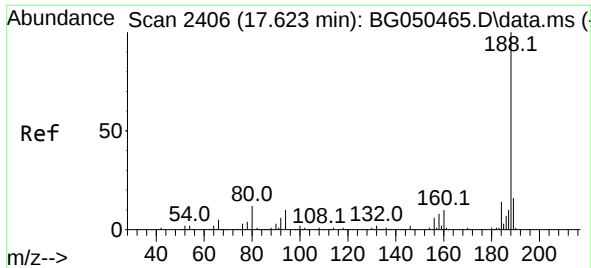
Tgt Ion:165 Resp: 16794
Ion Ratio Lower Upper
165 100
63 2.1 63.3 94.9#
89 1.8 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.389 ng
RT: 14.866 min Scan# 1936
Delta R.T. -0.361 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:165 Resp: 16794
Ion Ratio Lower Upper
165 100
63 2.1 48.0 72.0#
89 1.8 65.4 98.0#
182 0.0 2.0 3.0#

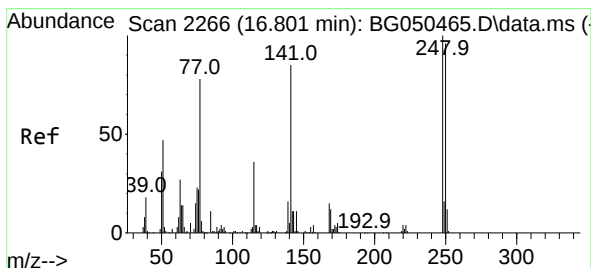
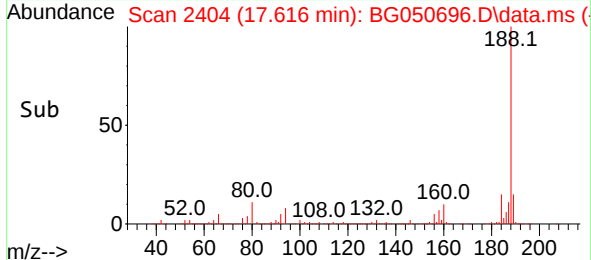
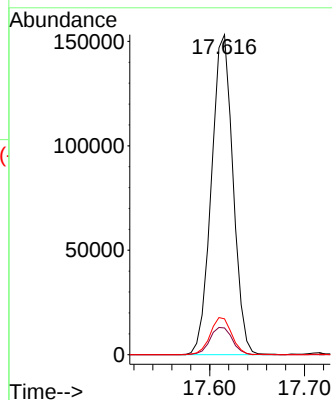
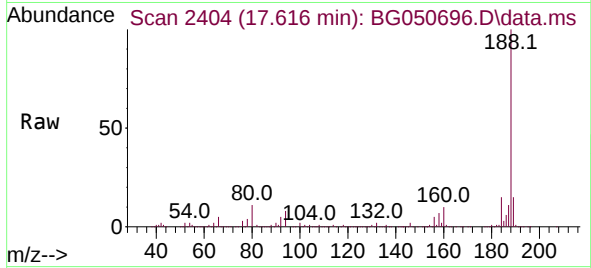




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.616 min Scan# 2404
Delta R.T. -0.002 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

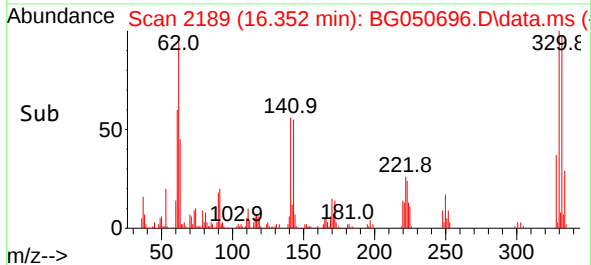
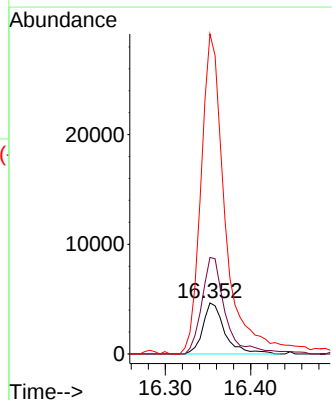
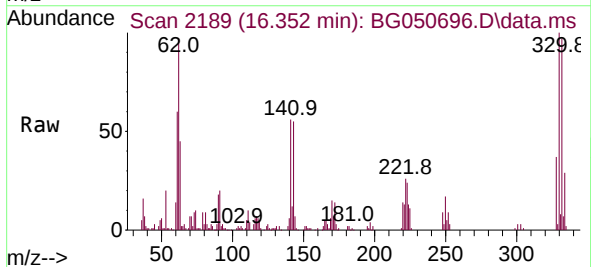
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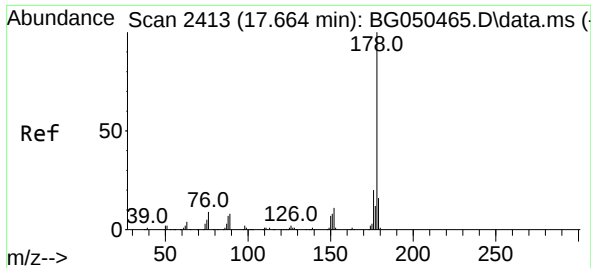
Tgt Ion:188 Resp: 241713
Ion Ratio Lower Upper
188 100
94 8.4 5.4 8.0#
80 11.2 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.414 ng
RT: 16.352 min Scan# 2189
Delta R.T. -0.449 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:248 Resp: 8316
Ion Ratio Lower Upper
248 100
250 189.0 76.1 114.1#
141 626.4 65.4 98.2#

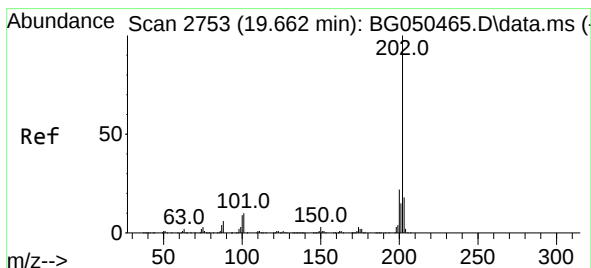
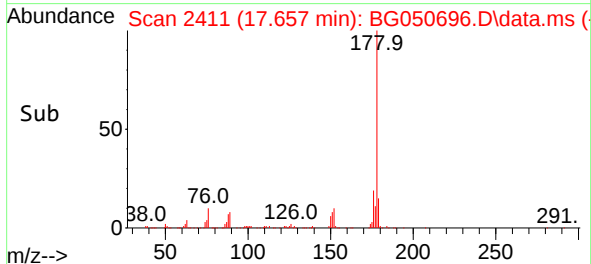
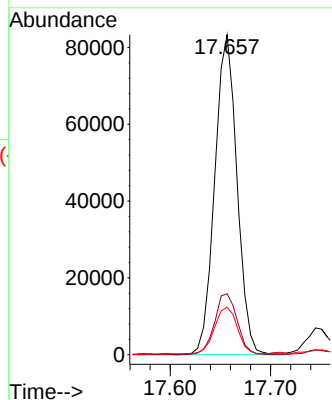
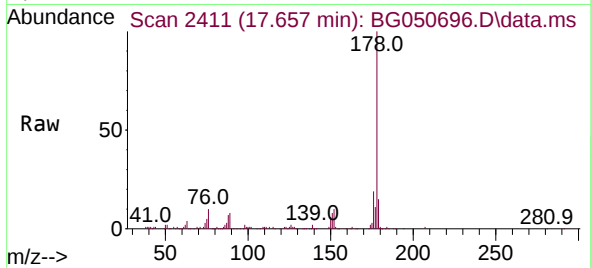




#71
Phenanthrene
Concen: 10.079 ng
RT: 17.657 min Scan# 2411
Delta R.T. -0.008 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

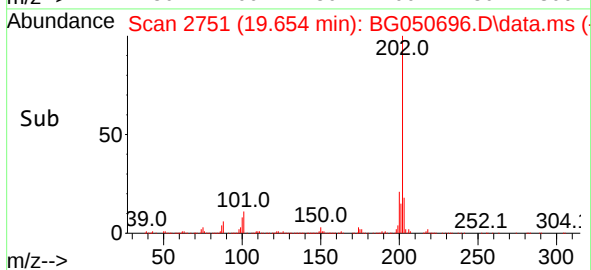
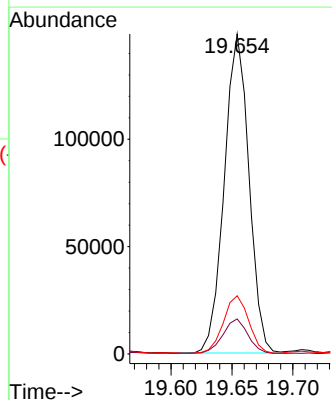
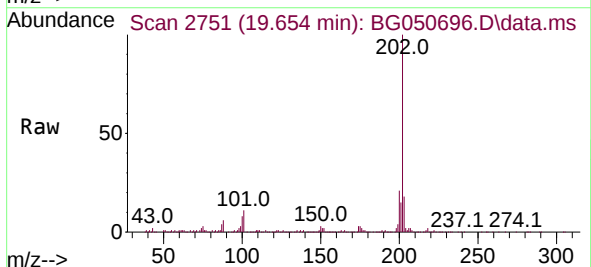
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

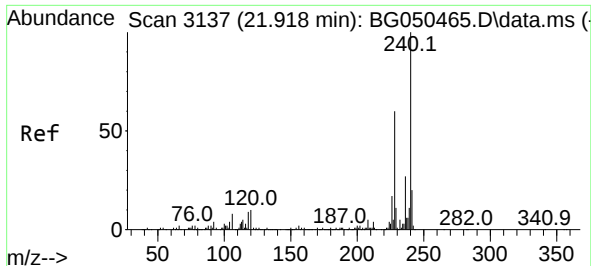
Tgt Ion:178 Resp: 128374
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.8 14.2 21.4



#75
Fluoranthene
Concen: 13.349 ng
RT: 19.654 min Scan# 2751
Delta R.T. -0.008 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:202 Resp: 209004
Ion Ratio Lower Upper
202 100
101 11.0 0.0 24.7
203 18.2 0.0 38.5

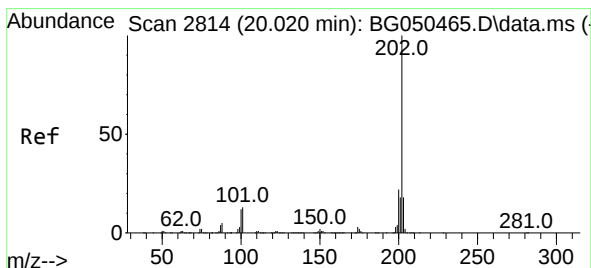
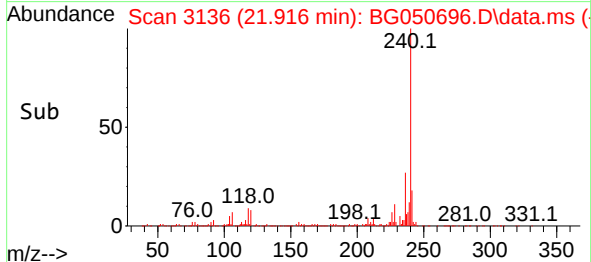
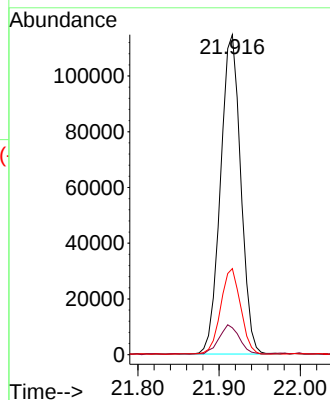
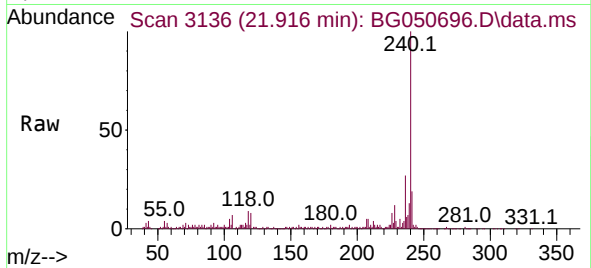




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3136
Delta R.T. -0.008 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

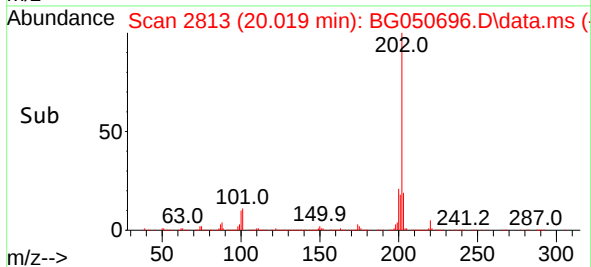
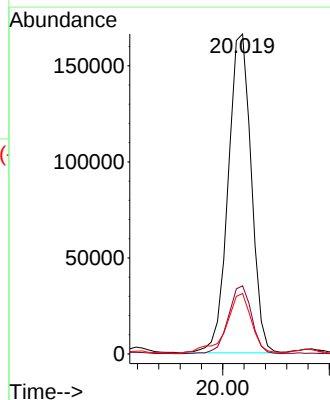
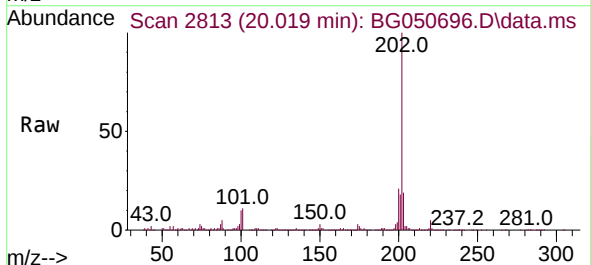
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

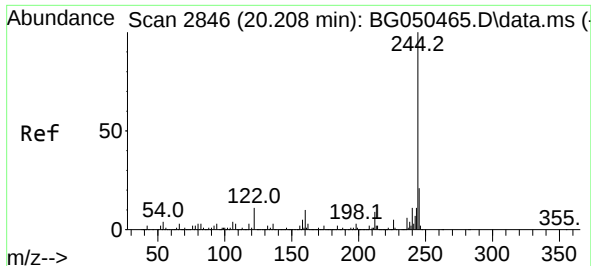
Tgt Ion:240 Resp: 198544
Ion Ratio Lower Upper
240 100
120 8.4 4.2 6.2#
236 26.9 21.8 32.6



#78
Pyrene
Concen: 17.750 ng
RT: 20.019 min Scan# 2813
Delta R.T. -0.002 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:202 Resp: 250043
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 18.9 14.6 21.8

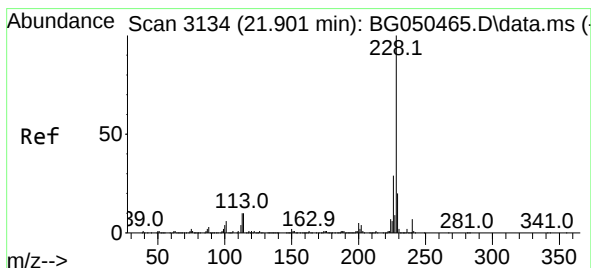
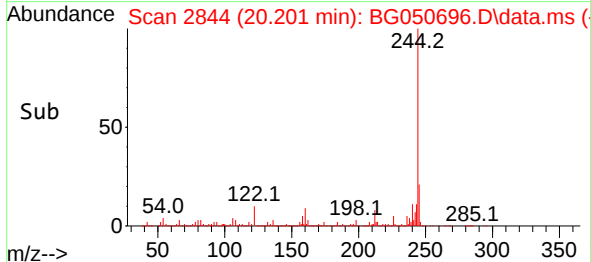
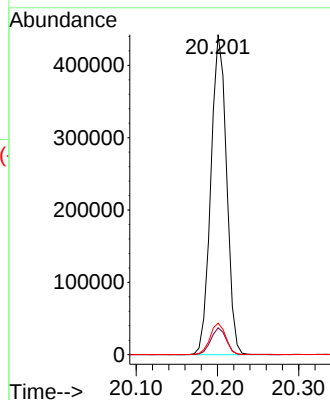
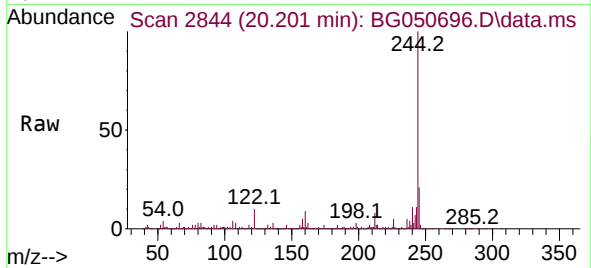




#79
 Terphenyl-d14
 Concen: 58.203 ng
 RT: 20.201 min Scan# 2844
 Delta R.T. -0.008 min
 Lab File: BG050696.D
 Acq: 22 Oct 2021 19:39

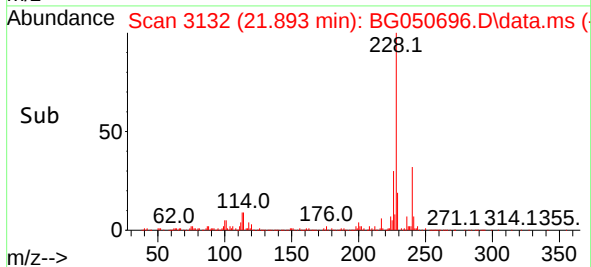
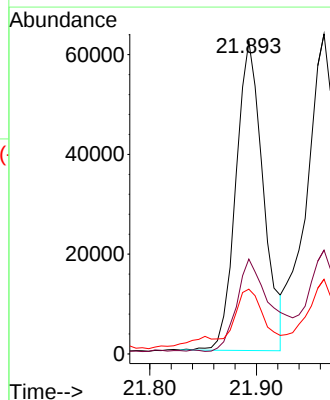
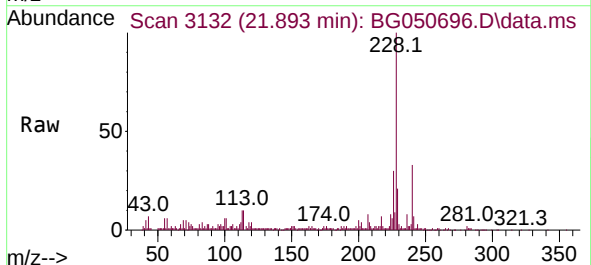
Instrument :
 BNA_G
 ClientSampleId :
 MH-EA-(1)

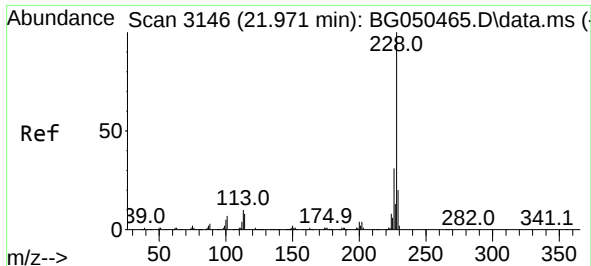
Tgt Ion:244 Resp: 592966
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.9 10.3
 122 9.8 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 8.428 ng
 RT: 21.893 min Scan# 3132
 Delta R.T. -0.008 min
 Lab File: BG050696.D
 Acq: 22 Oct 2021 19:39

Tgt Ion:228 Resp: 110721
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.7 34.1
 229 20.7 16.0 24.0

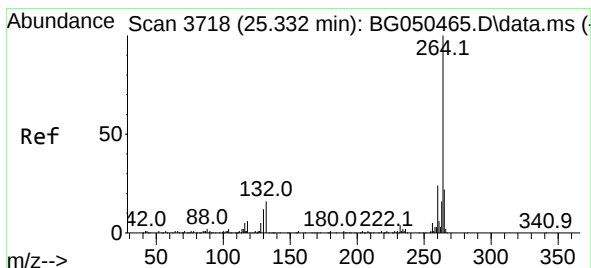
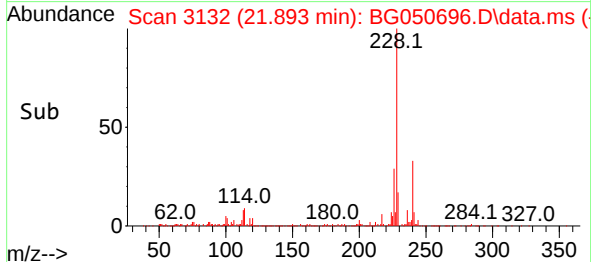
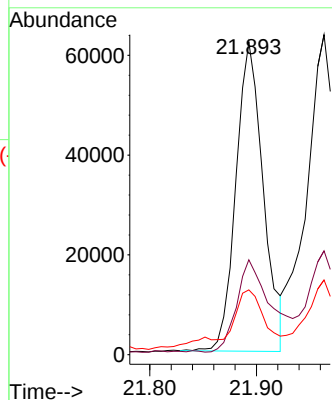
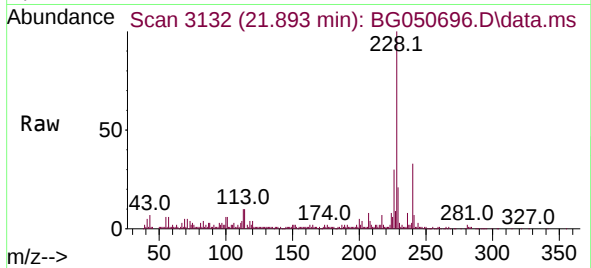




#83
Chrysene
Concen: 8.960 ng
RT: 21.893 min Scan# 3132
Delta R.T. -0.079 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

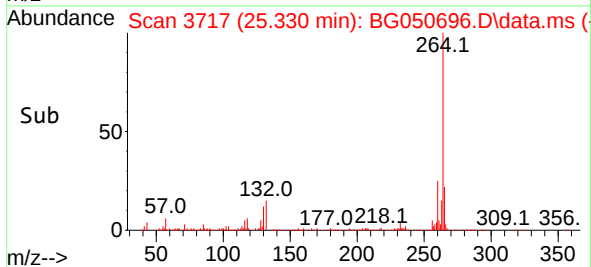
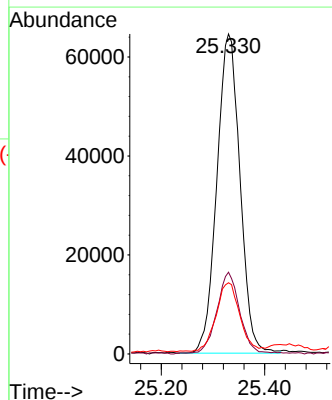
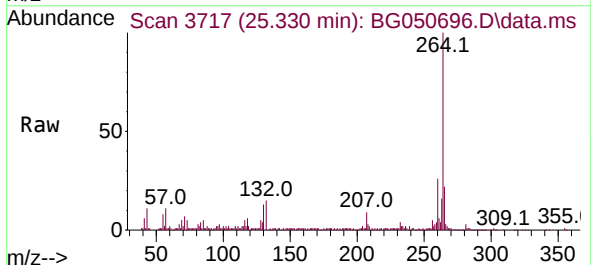
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

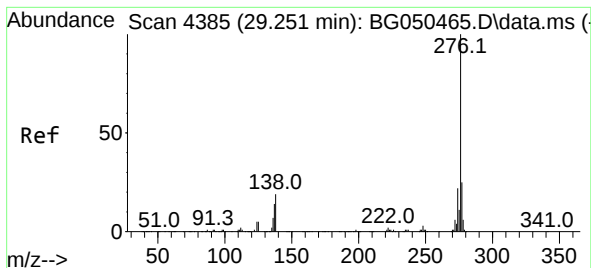
Tgt Ion:228 Resp: 110721
Ion Ratio Lower Upper
228 100
226 30.4 23.1 34.7
229 20.7 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.330 min Scan# 3717
Delta R.T. -0.002 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:264 Resp: 200048
Ion Ratio Lower Upper
264 100
260 25.6 19.4 29.2
265 22.3 16.9 25.3

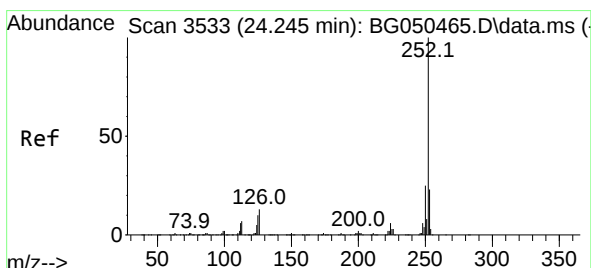
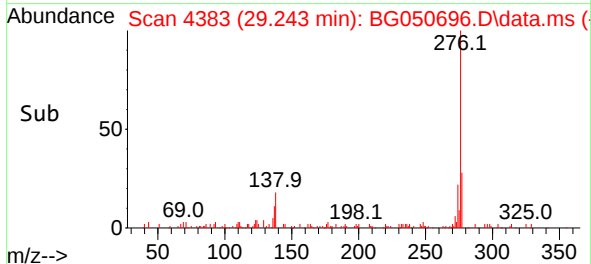
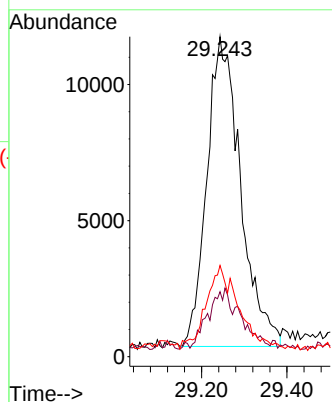
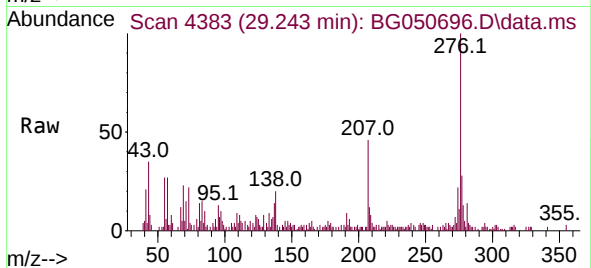




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.473 ng
RT: 29.243 min Scan# 4383
Delta R.T. -0.020 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

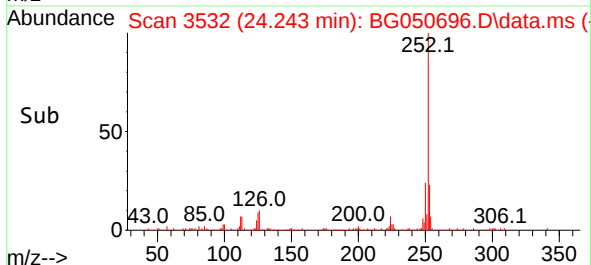
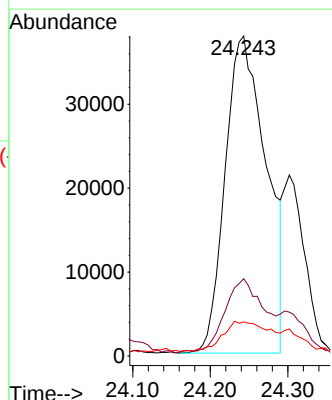
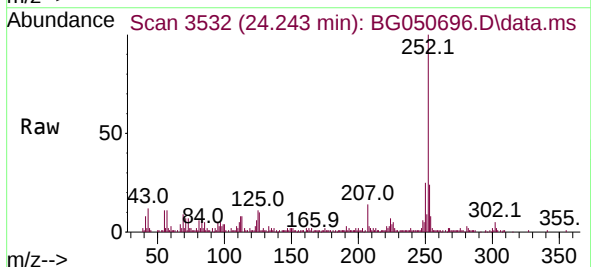
Instrument :
BNA_G
ClientSampleId :
MH-EA-(1)

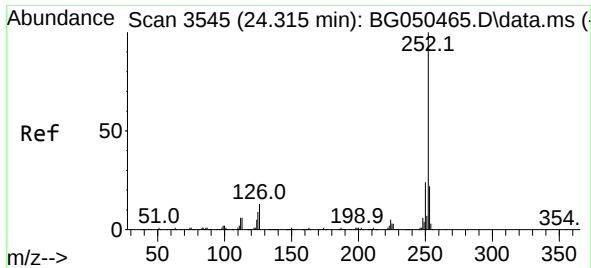
Tgt Ion:276 Resp: 62325
Ion Ratio Lower Upper
276 100
138 12.5 5.1 7.7#
277 16.0 19.8 29.6#



#88
Benzo(b)fluoranthene
Concen: 11.362 ng
RT: 24.243 min Scan# 3532
Delta R.T. -0.002 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:252 Resp: 139199
Ion Ratio Lower Upper
252 100
253 24.2 16.2 24.4
125 10.6 3.0 4.4#

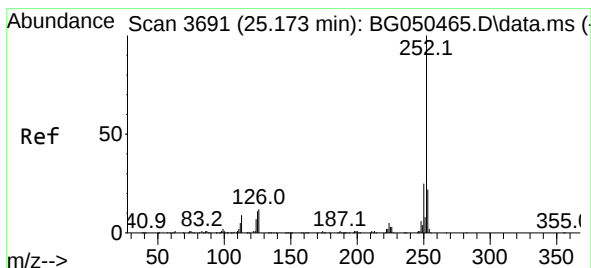
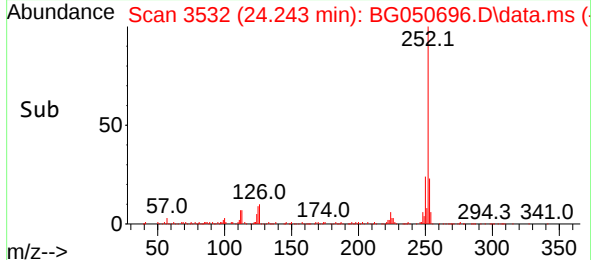
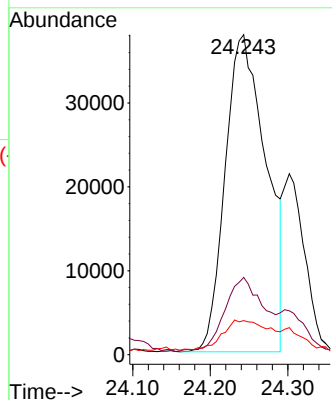
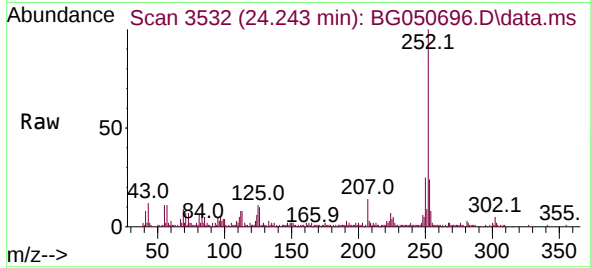




#89
Benzo(k)fluoranthene
Concen: 11.549 ng
RT: 24.243 min Scan# 3532
Delta R.T. -0.073 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

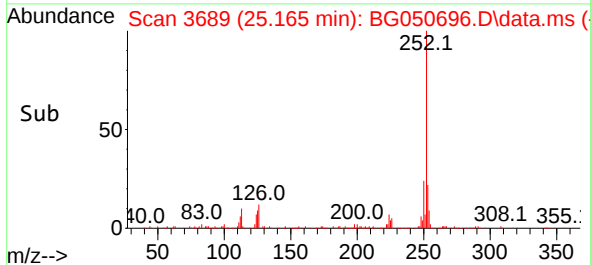
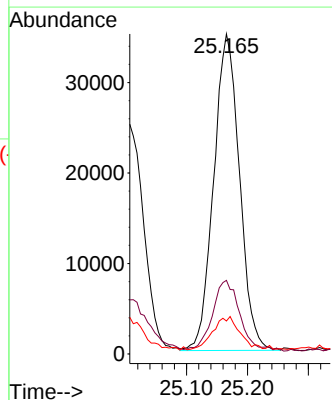
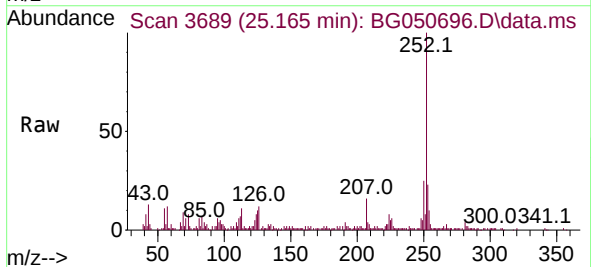
Instrument :
BNA_G
ClientSampled :
MH-EA-(1)

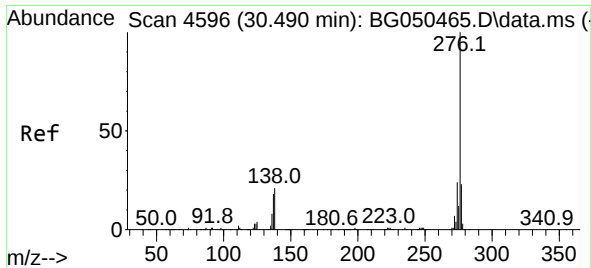
Tgt Ion:252 Resp: 139199
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 10.6 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 9.867 ng
RT: 25.165 min Scan# 3689
Delta R.T. -0.008 min
Lab File: BG050696.D
Acq: 22 Oct 2021 19:39

Tgt Ion:252 Resp: 102779
Ion Ratio Lower Upper
252 100
253 23.0 16.6 25.0
125 10.3 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 5.448 ng
 RT: 30.495 min Scan# 4596
 Delta R.T. -0.002 min
 Lab File: BG050696.D
 Acq: 22 Oct 2021 19:39

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

Tgt Ion:276 Resp: 61497
 Ion Ratio Lower Upper
 276 100
 277 20.6 18.4 27.6
 138 18.4 7.0 10.6#

