

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051094.D
 Acq On : 17 Nov 2021 16:18
 Operator : CG/JU
 Sample : M4707-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1-COMP

Quant Time: Nov 17 16:56:25 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)

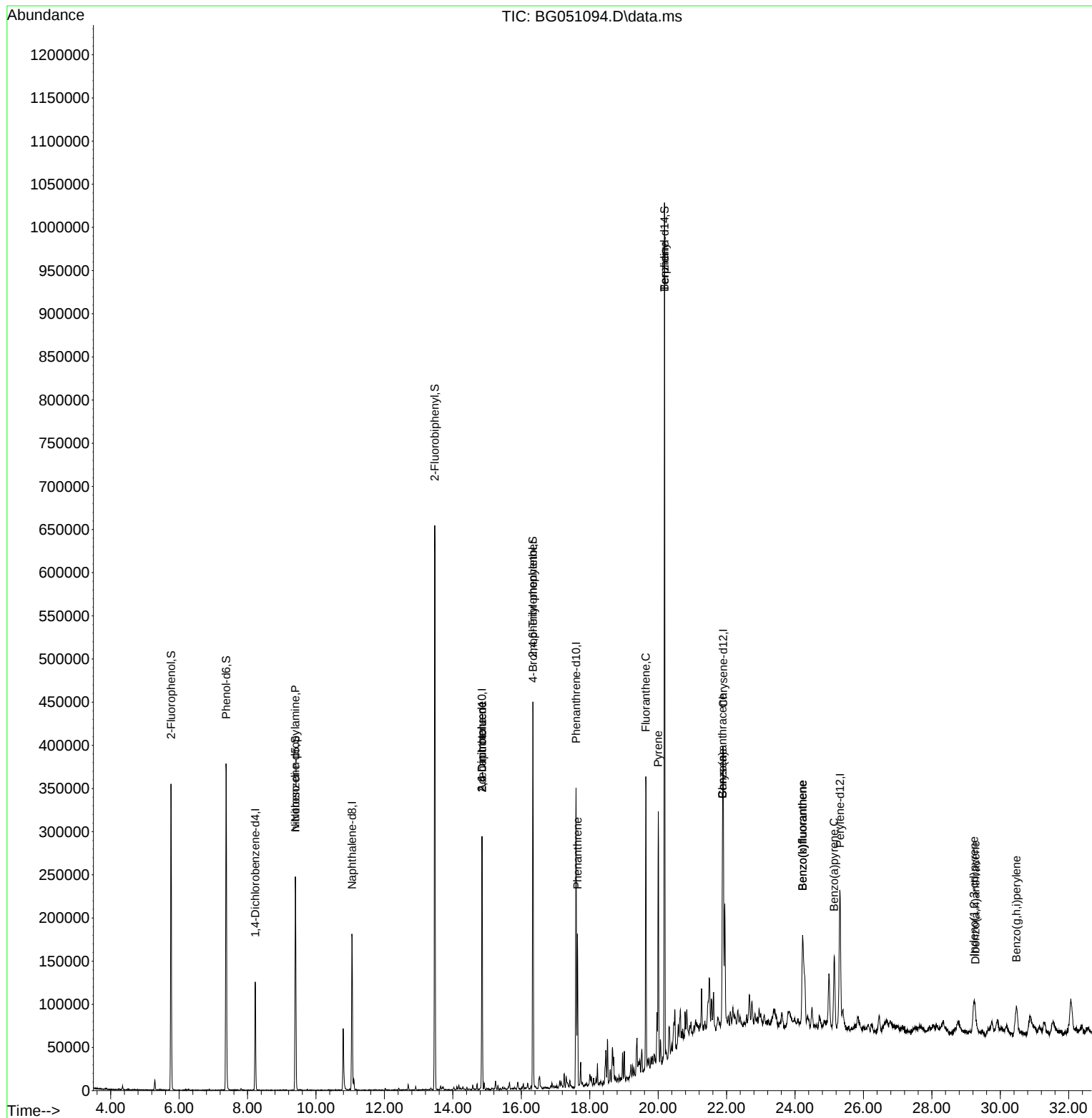
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	35338	20.000	ng	# 0.00
21) Naphthalene-d8	11.050	136	156378	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	105202	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	213408	20.000	ng	# 0.00
76) Chrysene-d12	21.902	240	174442	20.000	ng	# 0.00
86) Perylene-d12	25.316	264	175618	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	156864	66.403	ng	0.00
7) Phenol-d6	7.372	99	226798	68.020	ng	0.00
23) Nitrobenzene-d5	9.399	82	162684	46.052	ng	0.00
42) 2,4,6-Tribromophenol	16.338	330	74119	70.403	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	331059	49.722	ng	0.00
79) Terphenyl-d14	20.186	244	439471	46.098	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.399	70	22681	9.205	ng	# 66
51) 2,6-Dinitrotoluene	14.851	165	13974	8.203	ng	# 11
57) 2,4-Dinitrotoluene	14.851	165	13974	5.781	ng	# 16
67) 4-Bromophenyl-phenylether	16.344	248	5584	2.498	ng	# 1
71) Phenanthrene	17.642	178	108628	9.543	ng	97
75) Fluoranthene	19.640	202	216178	15.479	ng	97
77) Benzidine	20.186	184	7627	2.313	ng	# 88
78) Pyrene	20.004	202	185279	14.158	ng	98
81) Benzo(a)anthracene	21.878	228	103714	8.659	ng	98
83) Chrysene	21.878	228	103714	9.179	ng	96
87) Indeno(1,2,3-cd)pyrene	29.235	276	68189	5.470	ng	# 90
88) Benzo(b)fluoranthene	24.223	252	135753	12.280	ng	# 92
89) Benzo(k)fluoranthene	24.223	252	135753	12.313	ng	# 97
90) Benzo(a)pyrene	25.145	252	94592	10.023	ng	# 91
91) Dibenzo(a,h)anthracene	29.270	278	21240	2.070	ng	# 74
92) Benzo(g,h,i)perylene	30.474	276	61533	6.092	ng	# 90

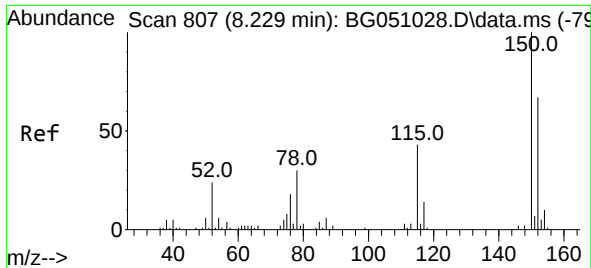
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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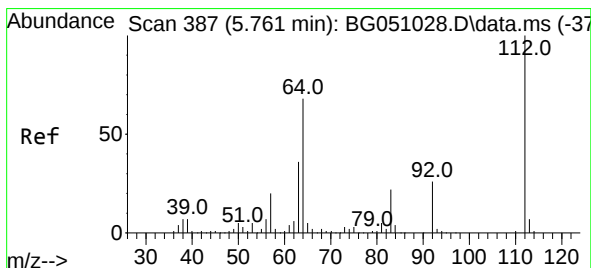
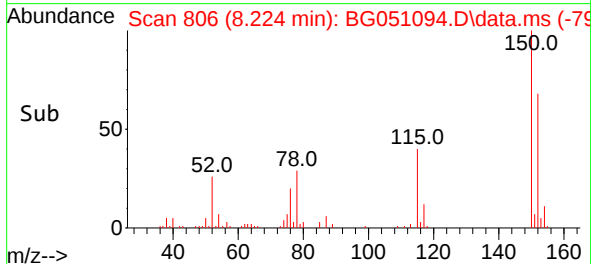
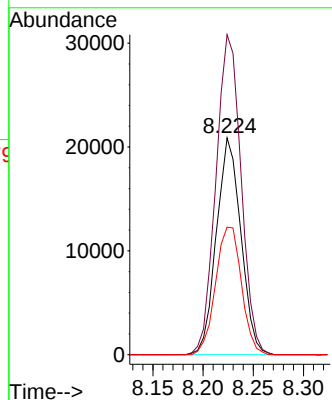
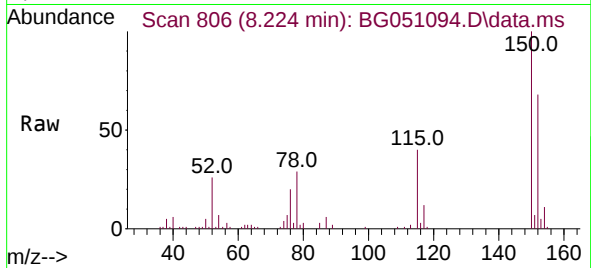




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 807
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

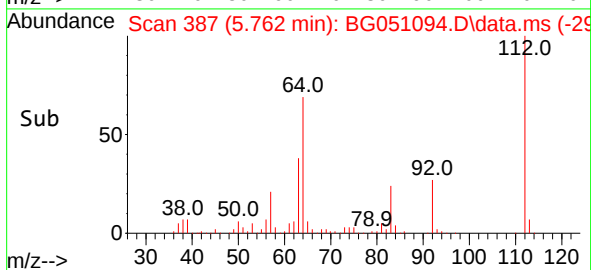
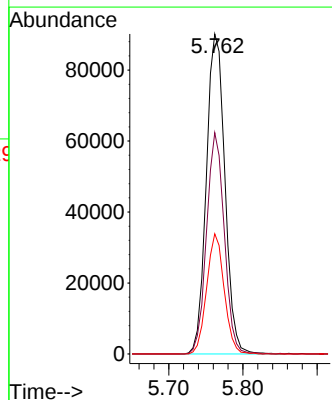
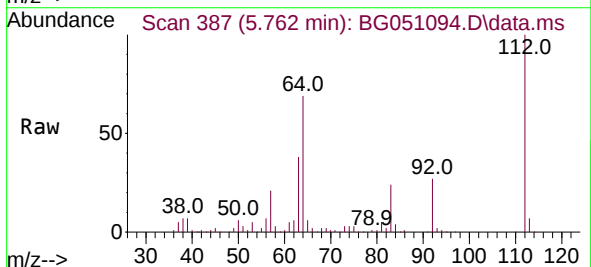
Instrument :
BNA_G
ClientSampleId :
1-COMP

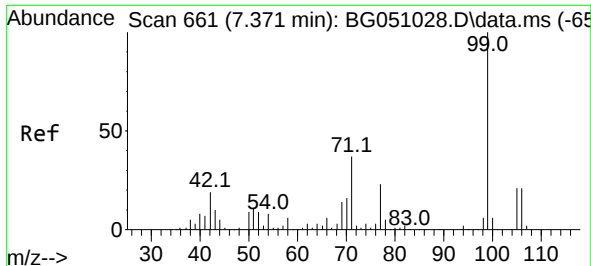
Tgt Ion:152 Resp: 35338
Ion Ratio Lower Upper
152 100
150 147.6 119.4 179.0
115 58.8 60.2 90.4#



#5
2-Fluorophenol
Concen: 66.403 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:112 Resp: 156864
Ion Ratio Lower Upper
112 100
64 69.1 46.7 70.1
63 37.5 35.3 52.9

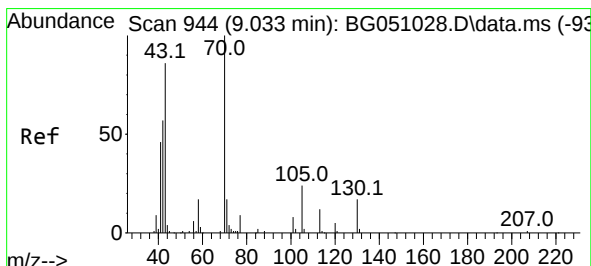
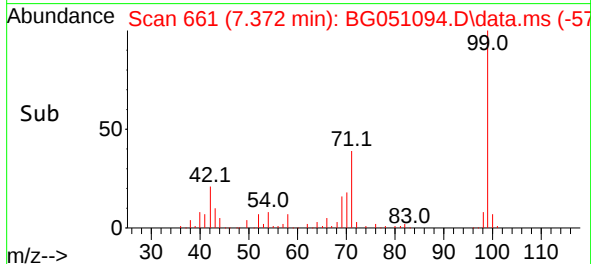
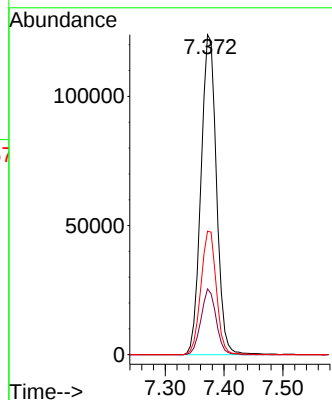
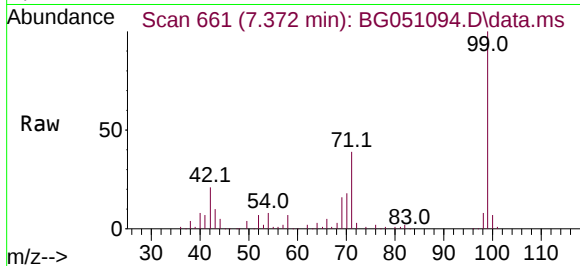




#7
Phenol-d6
Concen: 68.020 ng
RT: 7.372 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

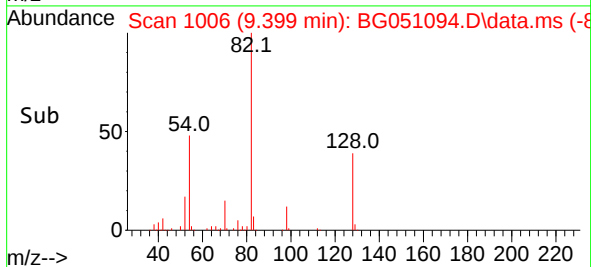
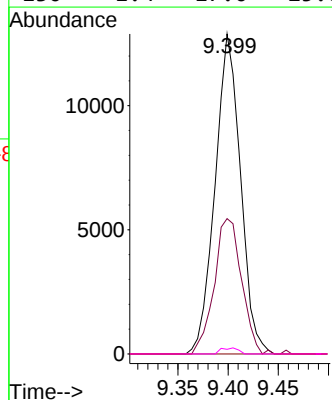
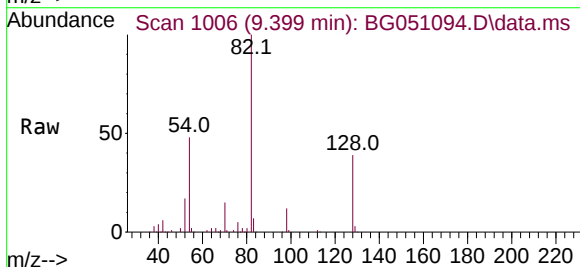
Instrument :
BNA_G
ClientSampleId :
1-COMP

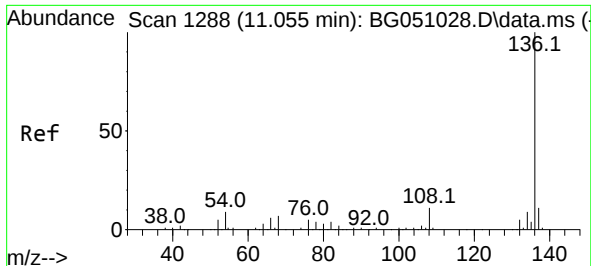
Tgt Ion: 99 Resp: 226798
Ion Ratio Lower Upper
99 100
42 20.6 20.5 30.7
71 38.6 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 9.205 ng
RT: 9.399 min Scan# 1006
Delta R.T. 0.366 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion: 70 Resp: 22681
Ion Ratio Lower Upper
70 100
42 42.3 54.5 81.7#
101 0.0 9.0 13.6#
130 1.4 17.0 25.6#

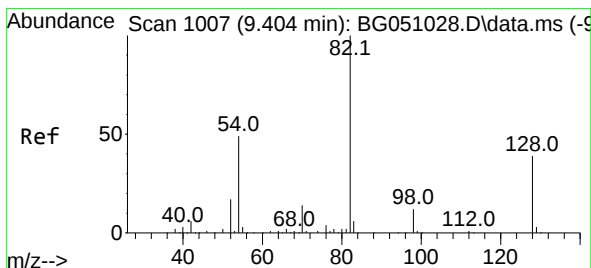
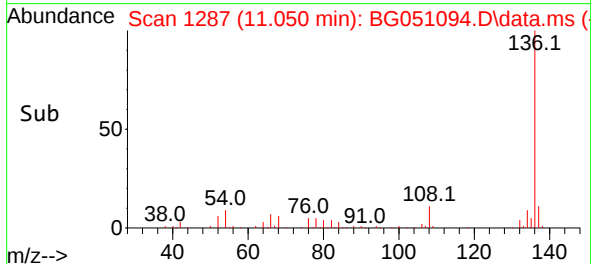
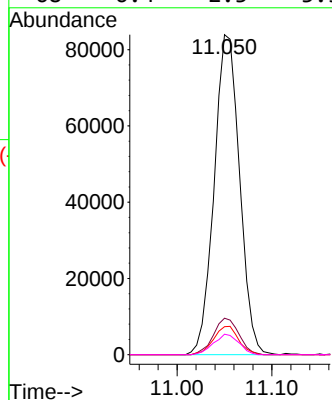
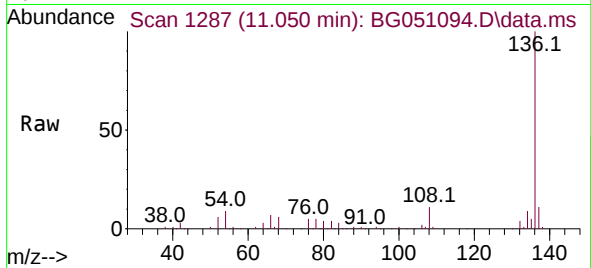




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1106
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

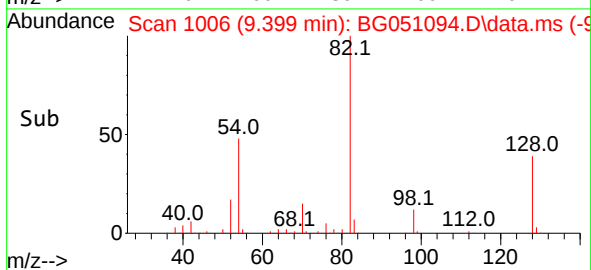
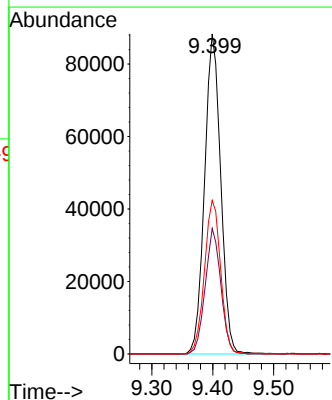
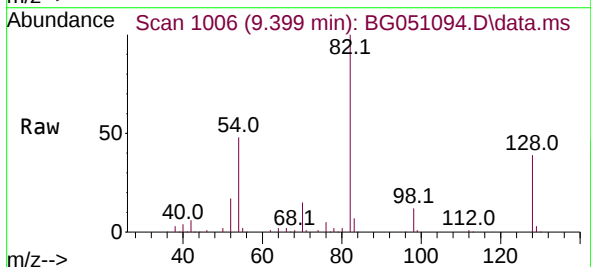
Instrument :
BNA_G
ClientSampleId :
1-COMP

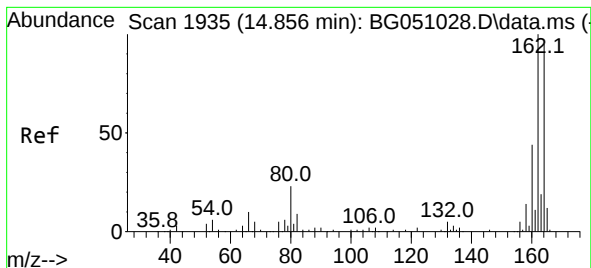
Tgt Ion:	136	Resp:	156378
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.2	12.2
54	8.8	5.5	8.3#
68	6.4	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 46.052 ng
RT: 9.399 min Scan# 1006
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:	82	Resp:	162684
Ion Ratio	Lower	Upper	
82	100		
128	39.2	29.8	44.6
54	48.0	45.8	68.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.851 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BG051094.D

Acq: 17 Nov 2021 16:18

Instrument :

BNA_G

ClientSampleId :

1-COMP

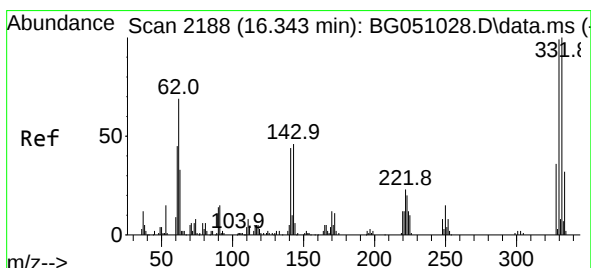
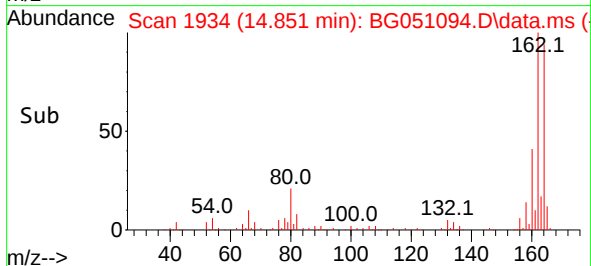
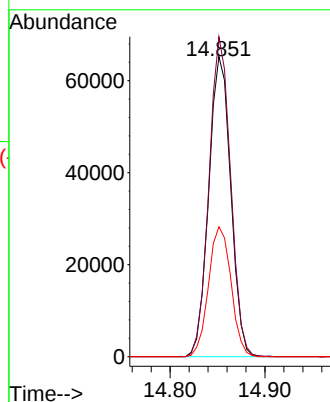
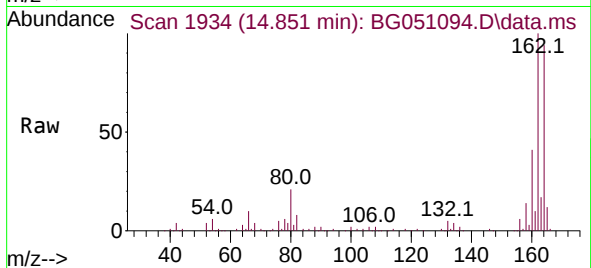
Tgt Ion:164 Resp: 105202

Ion Ratio Lower Upper

164 100

162 106.6 81.4 122.0

160 43.3 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 70.403 ng

RT: 16.338 min Scan# 2187

Delta R.T. -0.005 min

Lab File: BG051094.D

Acq: 17 Nov 2021 16:18

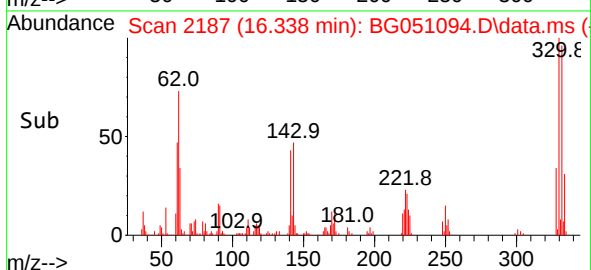
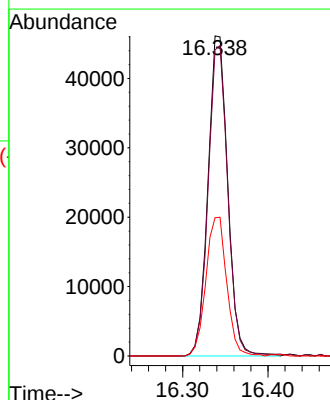
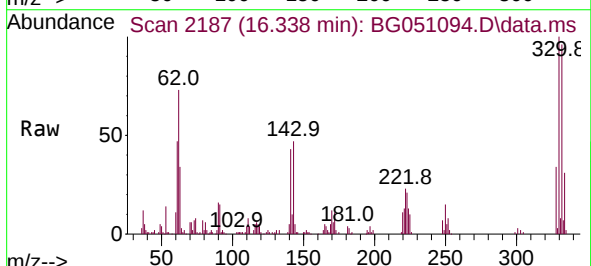
Tgt Ion:330 Resp: 74119

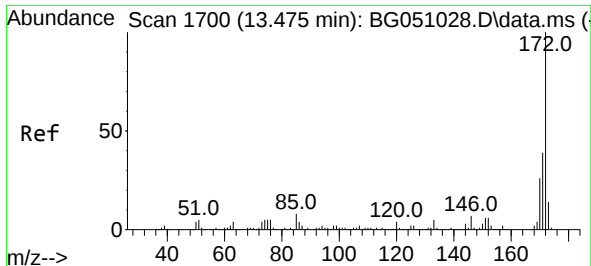
Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

141 45.7 35.6 53.4

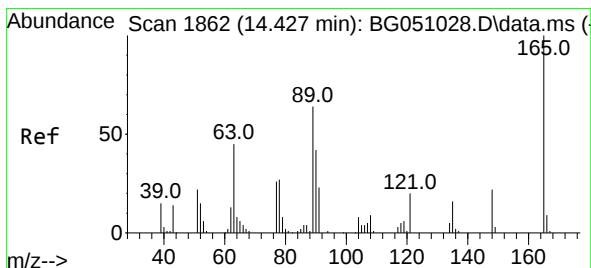
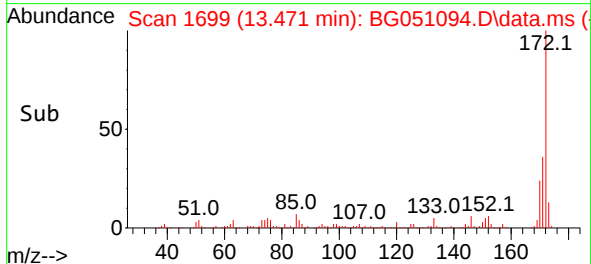
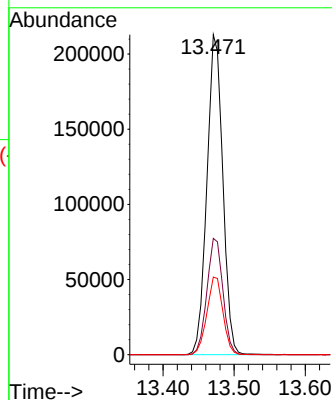
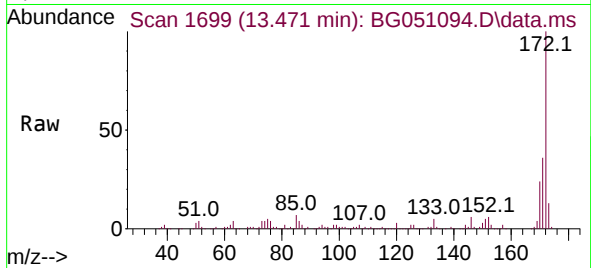




#45
2-Fluorobiphenyl
Concen: 49.722 ng
RT: 13.471 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

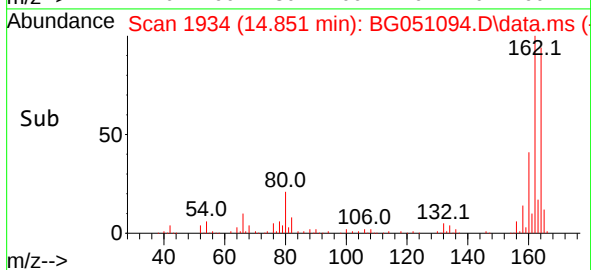
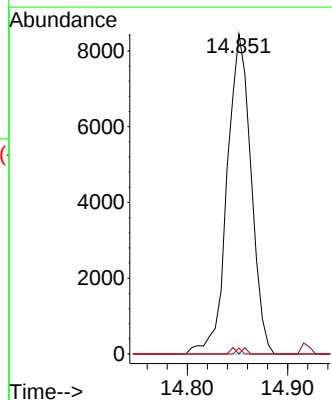
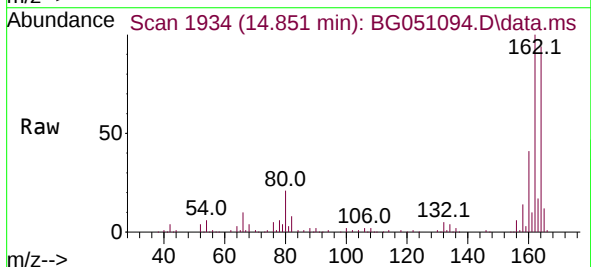
Instrument :
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ClientSampleId :
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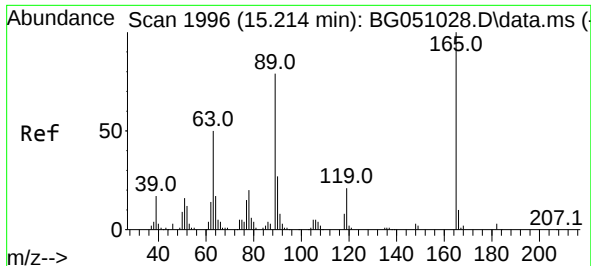
Tgt Ion:172 Resp: 331059
Ion Ratio Lower Upper
172 100
171 36.4 28.6 43.0
170 24.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.203 ng
RT: 14.851 min Scan# 1934
Delta R.T. 0.424 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:165 Resp: 13974
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.8 63.4 95.0#

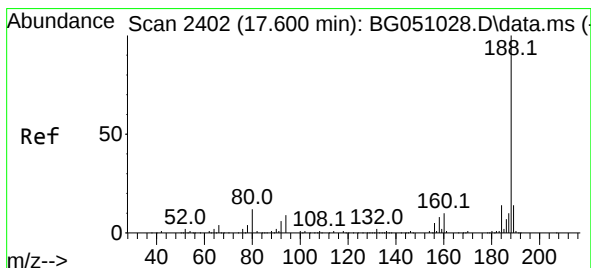
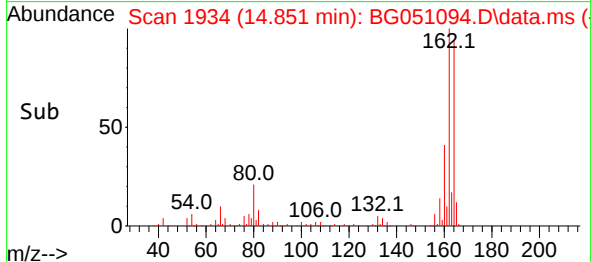
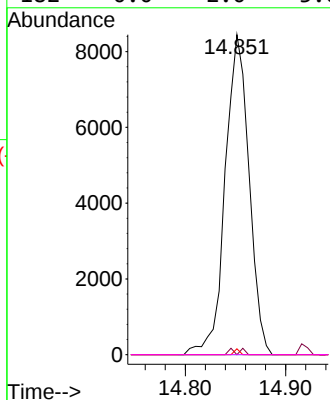
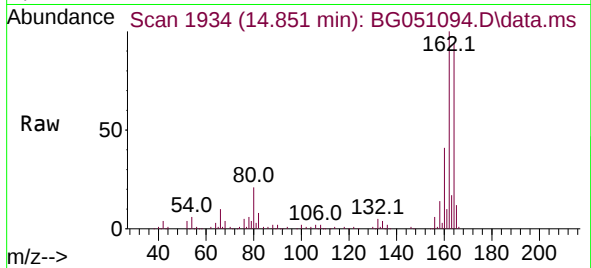




#57
2,4-Dinitrotoluene
Concen: 5.781 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.363 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

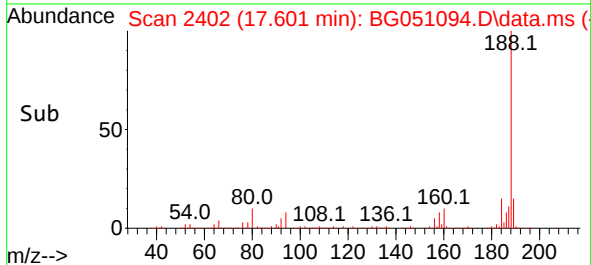
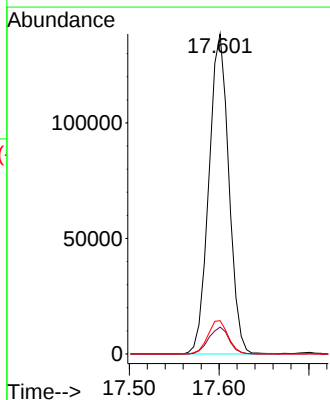
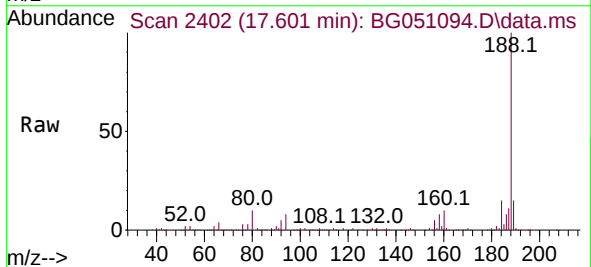
Instrument :
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ClientSampleId :
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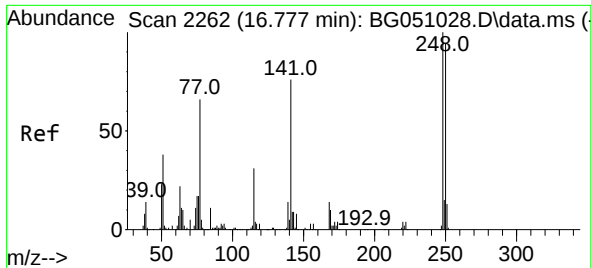
Tgt Ion:165	Resp:	13974
Ion Ratio	Lower	Upper
165	100	
63	0.0	48.0 72.0#
89	1.8	65.4 98.0#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2402
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:188	Resp:	213408
Ion Ratio	Lower	Upper
188	100	
94	8.4	5.4 8.0#
80	10.4	3.7 5.5#

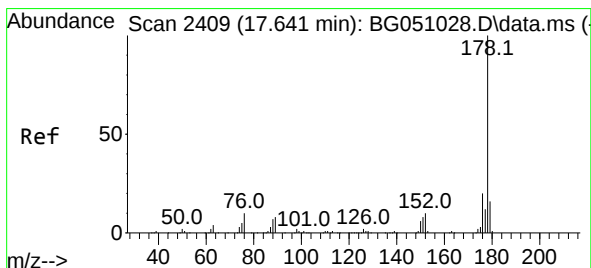
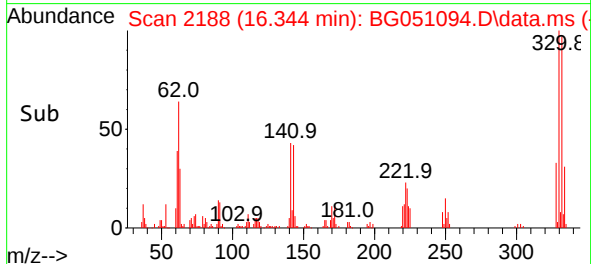
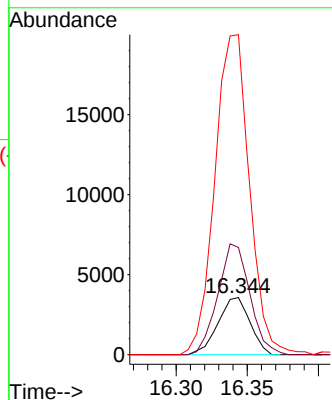
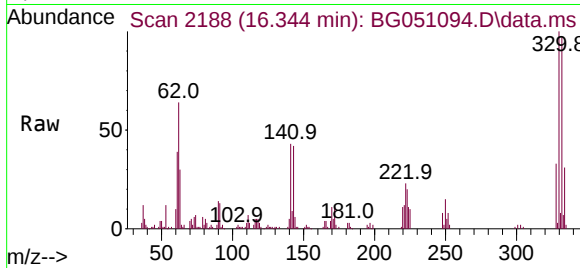




#67
4-Bromophenyl-phenylether
Concen: 2.498 ng
RT: 16.344 min Scan# 2188
Delta R.T. -0.434 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

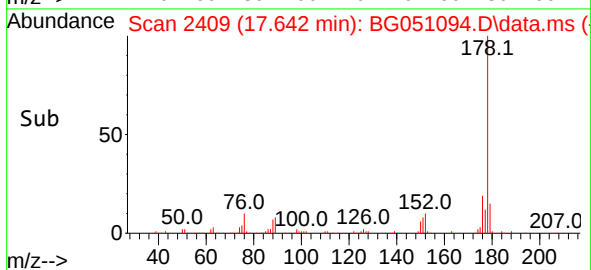
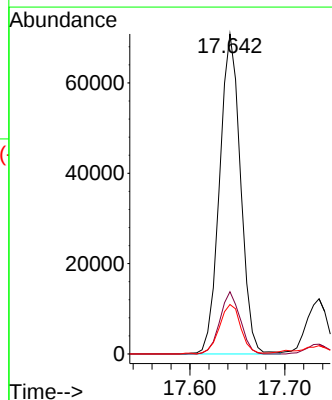
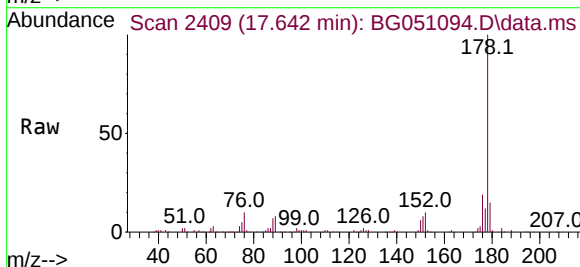
Instrument :
BNA_G
ClientSampleId :
1-COMP

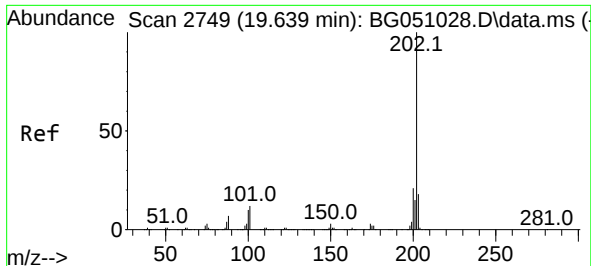
Tgt Ion:248 Resp: 5584
Ion Ratio Lower Upper
248 100
250 187.8 76.1 114.1#
141 560.2 65.4 98.2#



#71
Phenanthrene
Concen: 9.543 ng
RT: 17.642 min Scan# 2409
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:178 Resp: 108628
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.4 14.2 21.4

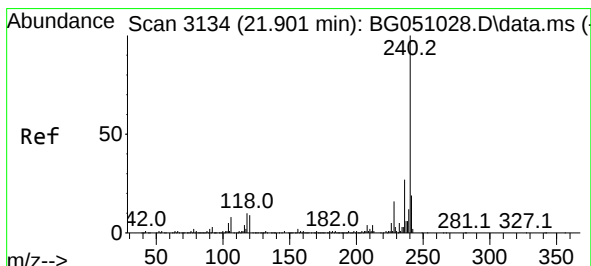
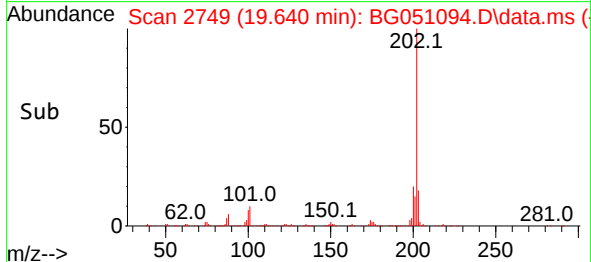
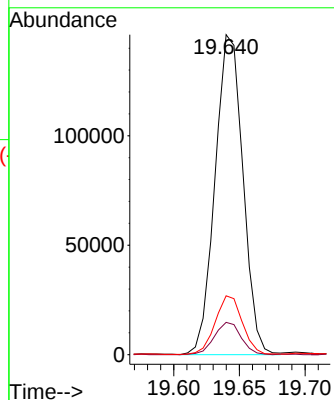
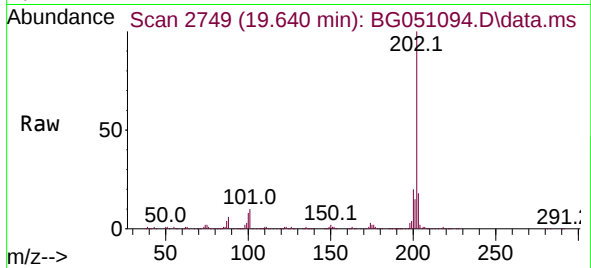




#75
Fluoranthene
Concen: 15.479 ng
RT: 19.640 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

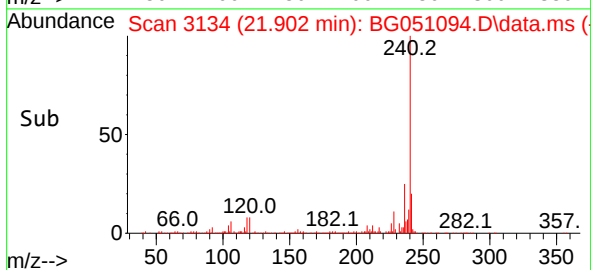
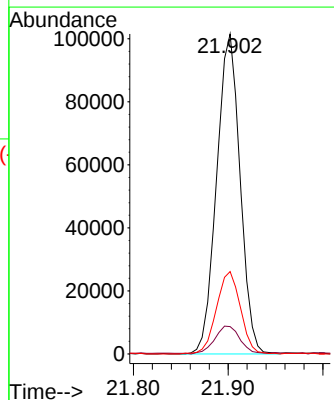
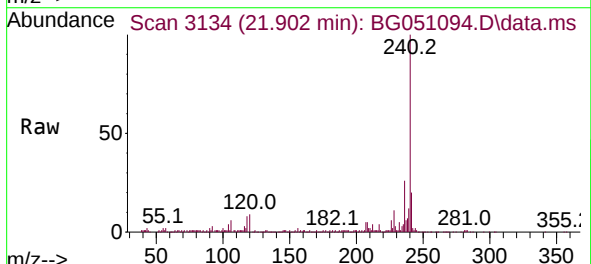
Instrument :
BNA_G
ClientSampleId :
1-COMP

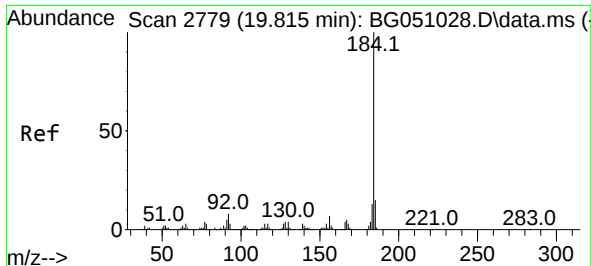
Tgt Ion:202 Resp: 216178
Ion Ratio Lower Upper
202 100
101 10.1 0.0 24.7
203 18.4 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.902 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:240 Resp: 174442
Ion Ratio Lower Upper
240 100
120 8.6 4.2 6.2#
236 25.8 21.8 32.6

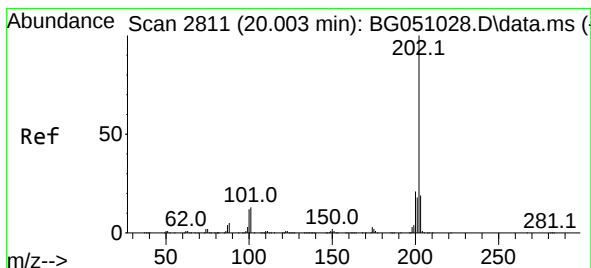
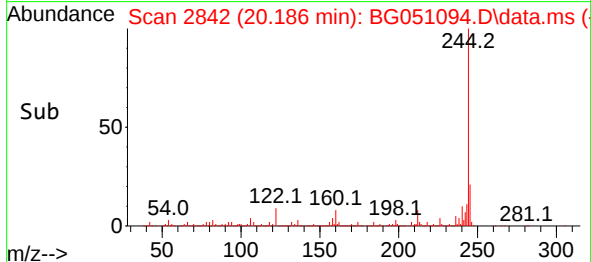
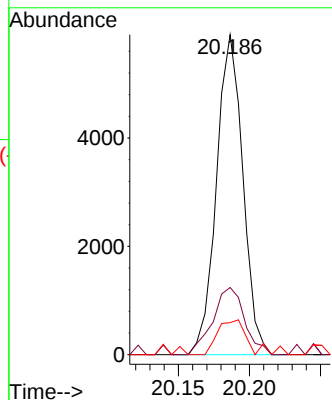
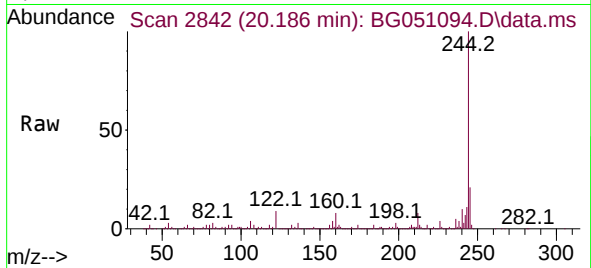




#77
Benzidine
Concen: 2.313 ng
RT: 20.186 min Scan# 2842
Delta R.T. 0.371 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

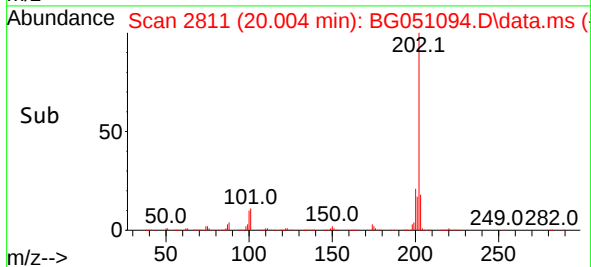
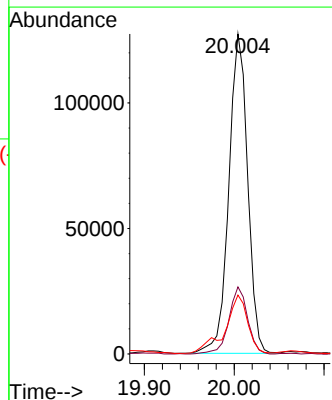
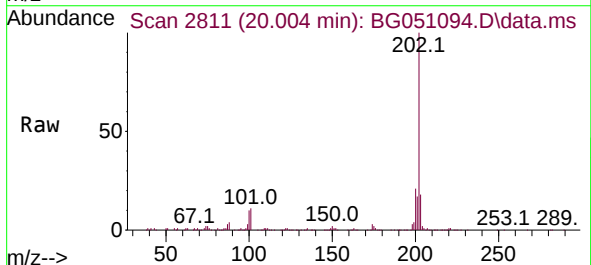
Instrument :
BNA_G
ClientSampleId :
1-COMP

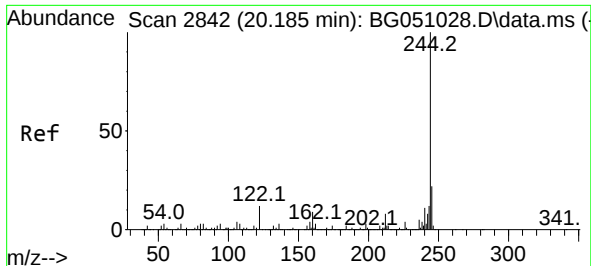
Tgt Ion:184 Resp: 7627
Ion Ratio Lower Upper
184 100
185 21.0 10.7 16.1#
183 10.0 9.4 14.0



#78
Pyrene
Concen: 14.158 ng
RT: 20.004 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:202 Resp: 185279
Ion Ratio Lower Upper
202 100
200 20.9 15.8 23.8
203 18.4 14.6 21.8

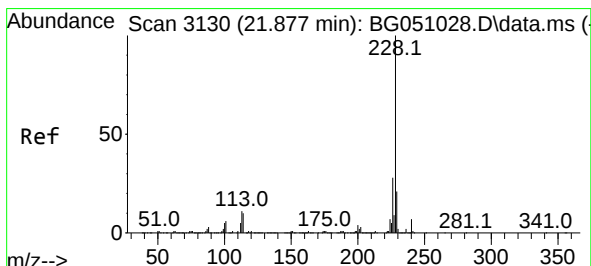
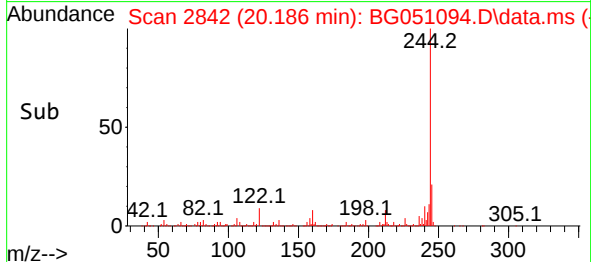
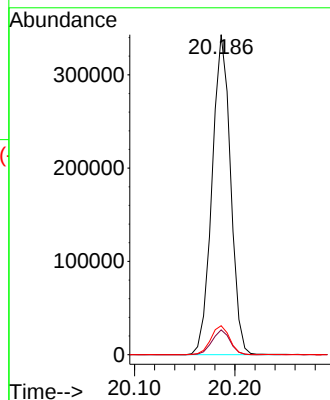
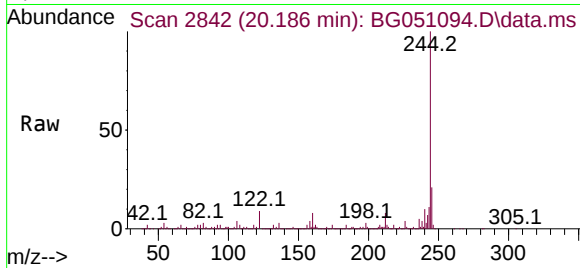




#79
 Terphenyl-d14
 Concen: 46.098 ng
 RT: 20.186 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG051094.D
 Acq: 17 Nov 2021 16:18

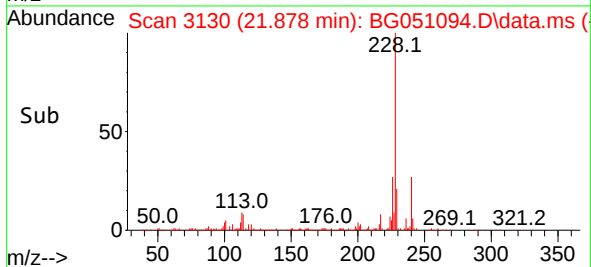
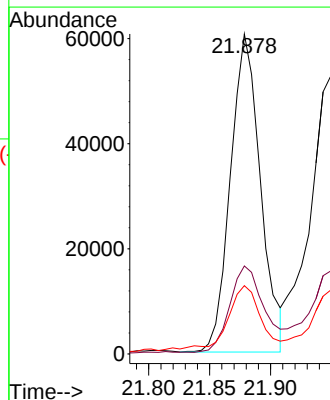
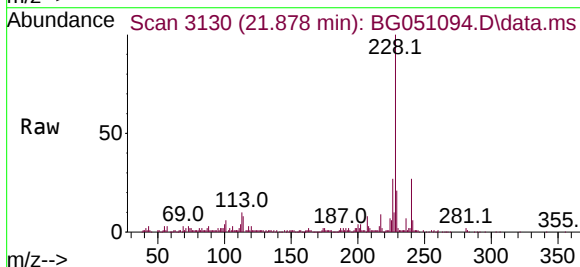
Instrument :
 BNA_G
 ClientSampleId :
 1-COMP

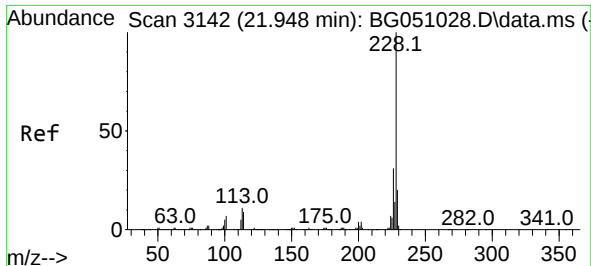
Tgt Ion:244 Resp: 439471
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.9 10.3
 122 9.1 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 8.659 ng
 RT: 21.878 min Scan# 3130
 Delta R.T. 0.001 min
 Lab File: BG051094.D
 Acq: 17 Nov 2021 16:18

Tgt Ion:228 Resp: 103714
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.7 34.1
 229 21.4 16.0 24.0

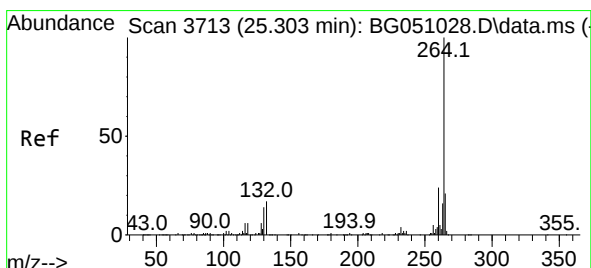
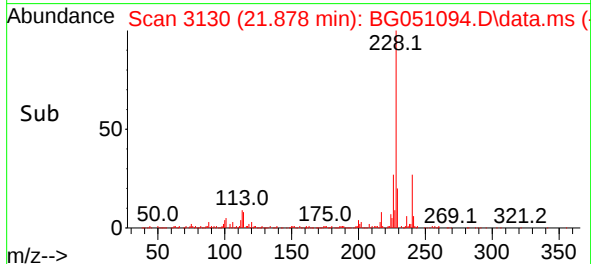
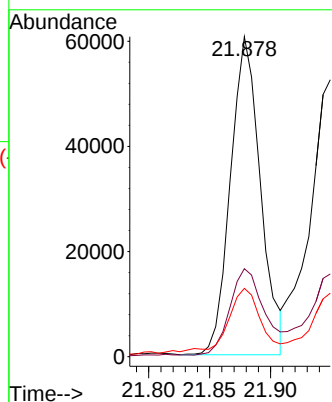
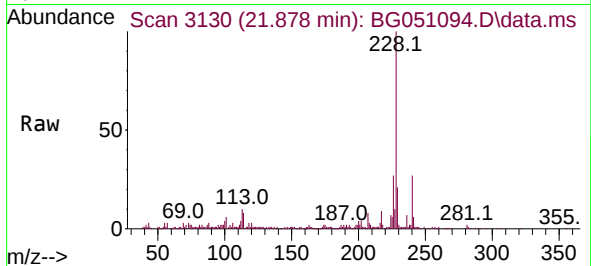




#83
Chrysene
Concen: 9.179 ng
RT: 21.878 min Scan# 3142
Delta R.T. -0.069 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

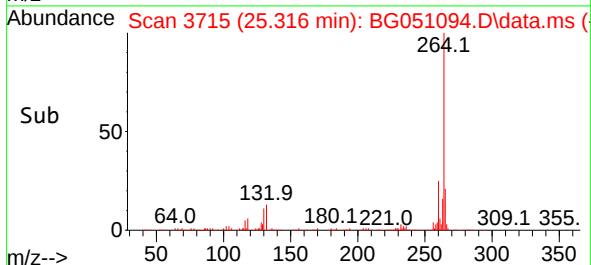
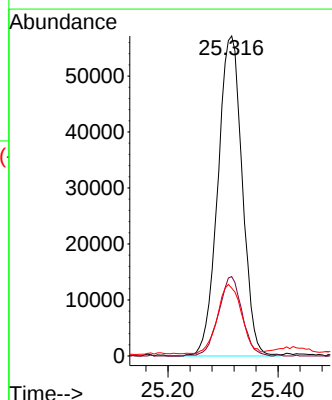
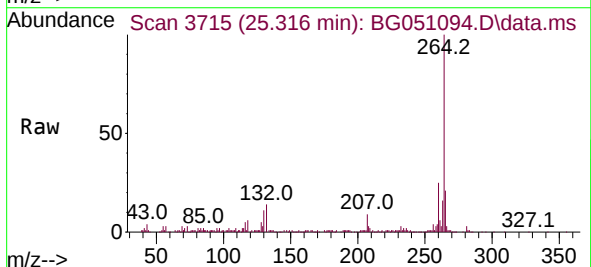
Instrument :
BNA_G
ClientSampleId :
1-COMP

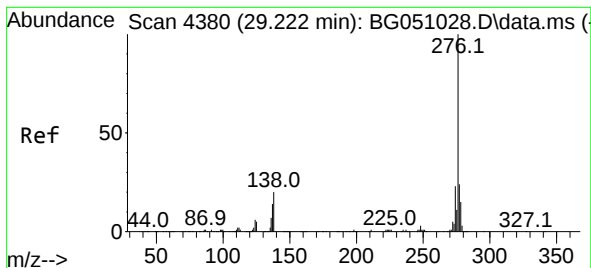
Tgt Ion:228 Resp: 103714
Ion Ratio Lower Upper
228 100
226 27.5 23.1 34.7
229 21.4 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.316 min Scan# 3715
Delta R.T. 0.013 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:264 Resp: 175618
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 21.2 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.470 ng

RT: 29.235 min Scan# 41

Delta R.T. 0.013 min

Lab File: BG051094.D

Acq: 17 Nov 2021 16:18

Instrument :

BNA_G

ClientSampleId :

1-COMP

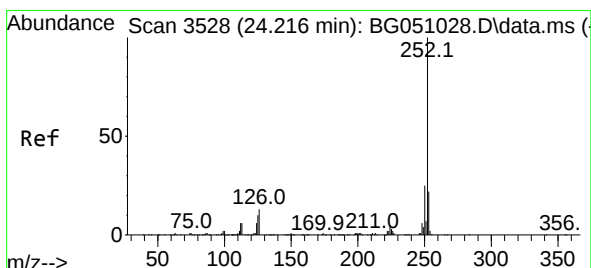
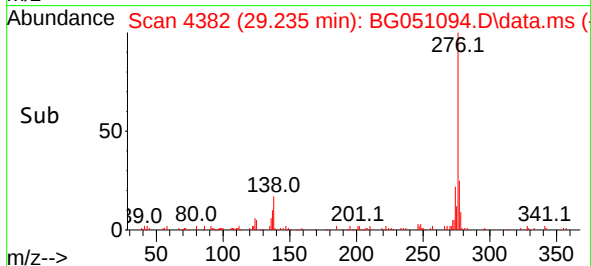
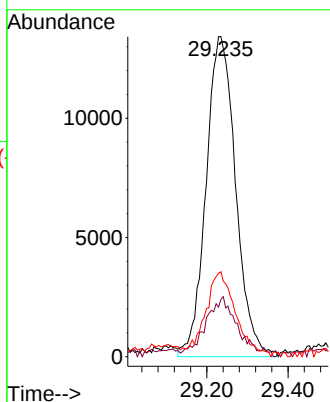
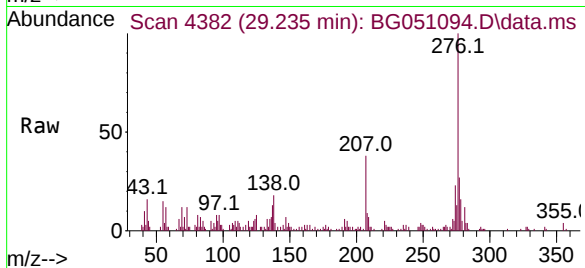
Tgt Ion:276 Resp: 68189

Ion Ratio Lower Upper

276 100

138 17.1 5.1 7.7#

277 27.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 12.280 ng

RT: 24.223 min Scan# 3529

Delta R.T. 0.007 min

Lab File: BG051094.D

Acq: 17 Nov 2021 16:18

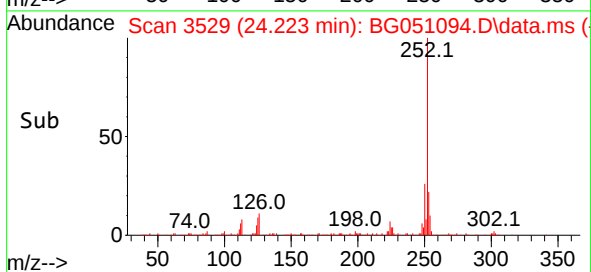
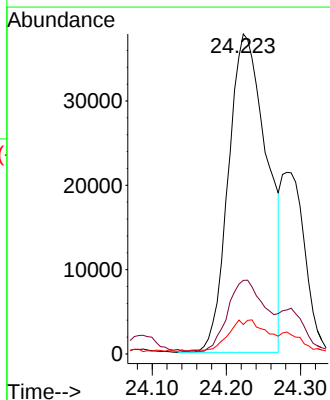
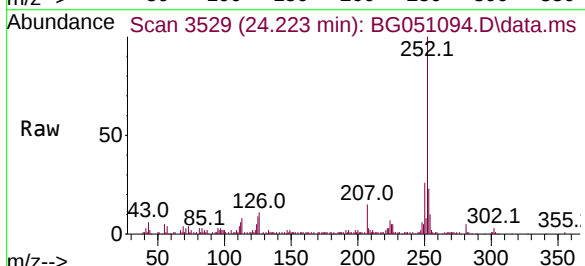
Tgt Ion:252 Resp: 135753

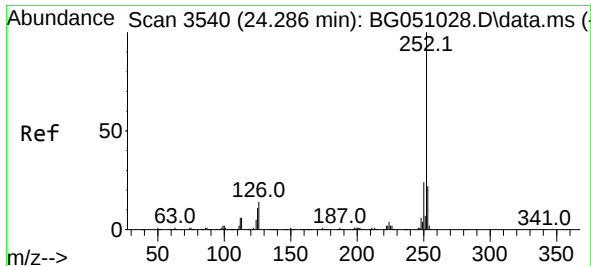
Ion Ratio Lower Upper

252 100

253 23.0 16.2 24.4

125 9.2 3.0 4.4#

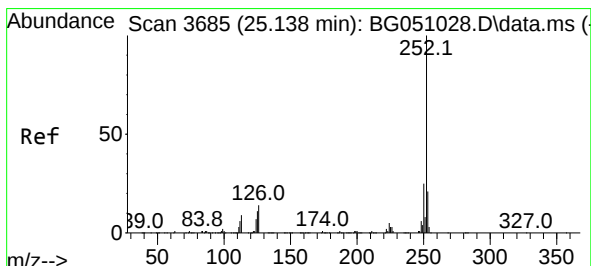
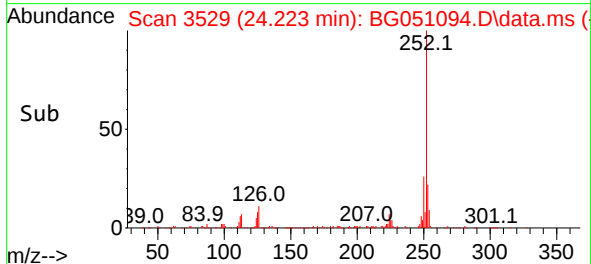
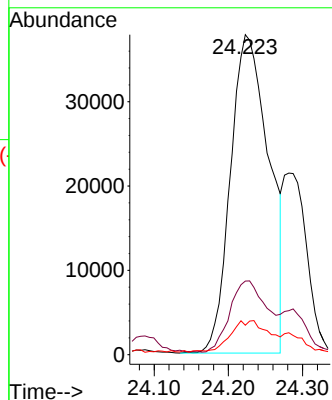
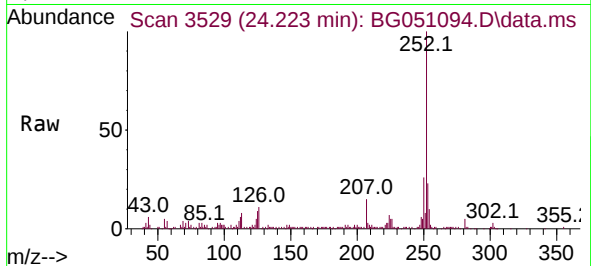




#89
Benzo(k)fluoranthene
Concen: 12.313 ng
RT: 24.223 min Scan# 31
Delta R.T. -0.063 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

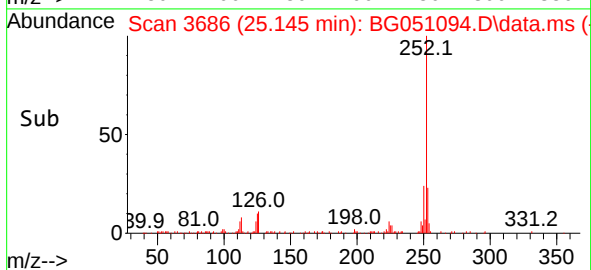
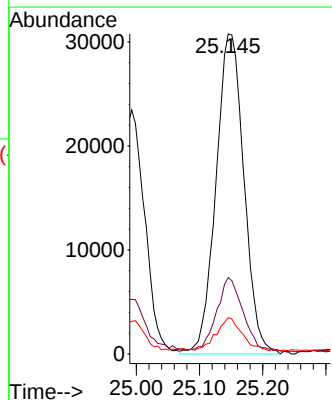
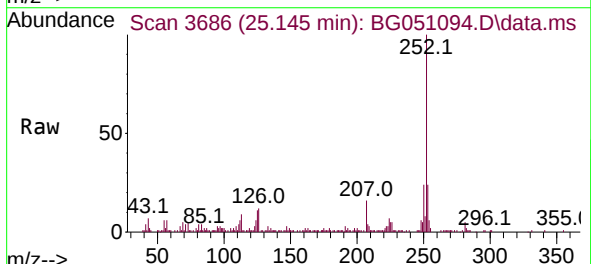
Instrument :
BNA_G
ClientSampleId :
1-COMP

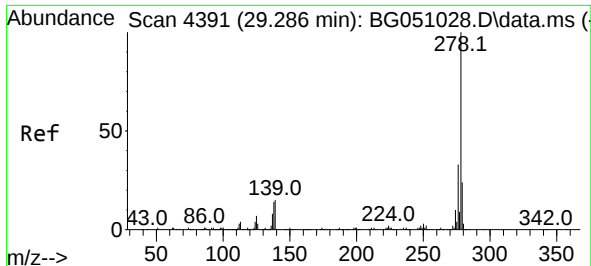
Tgt Ion:252 Resp: 135753
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 9.2 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 10.023 ng
RT: 25.145 min Scan# 3686
Delta R.T. 0.007 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:252 Resp: 94592
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 11.4 3.5 5.3#

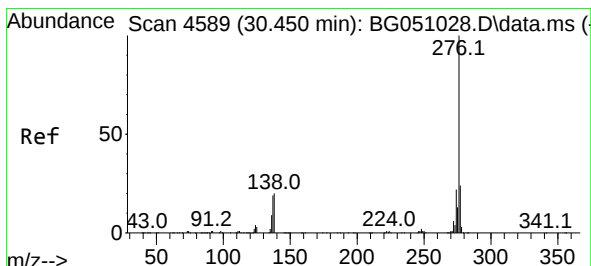
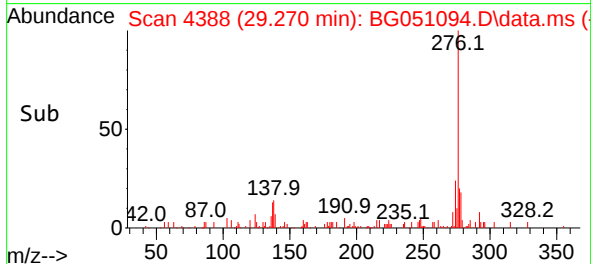
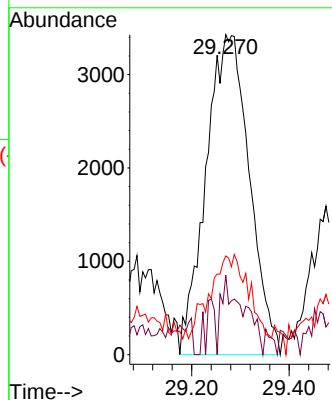
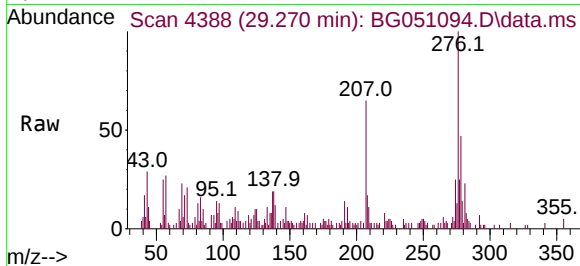




#91
Dibenzo(a,h)anthracene
Concen: 2.070 ng
RT: 29.270 min Scan# 41
Delta R.T. -0.016 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Instrument :
BNA_G
ClientSampleId :
1-COMP

Tgt Ion:278 Resp: 21240
Ion Ratio Lower Upper
278 100
139 24.8 4.6 6.8#
279 30.9 17.9 26.9#



#92
Benzo(g,h,i)perylene
Concen: 6.092 ng
RT: 30.474 min Scan# 4593
Delta R.T. 0.025 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:276 Resp: 61533
Ion Ratio Lower Upper
276 100
277 23.8 18.4 27.6
138 20.6 7.0 10.6#

