

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051116.D
 Acq On : 18 Nov 2021 22:18
 Operator : CG/JU
 Sample : M4707-29
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 3-COMP

Quant Time: Nov 19 01:38:05 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 01:16:08 2021
 Response via : Initial Calibration

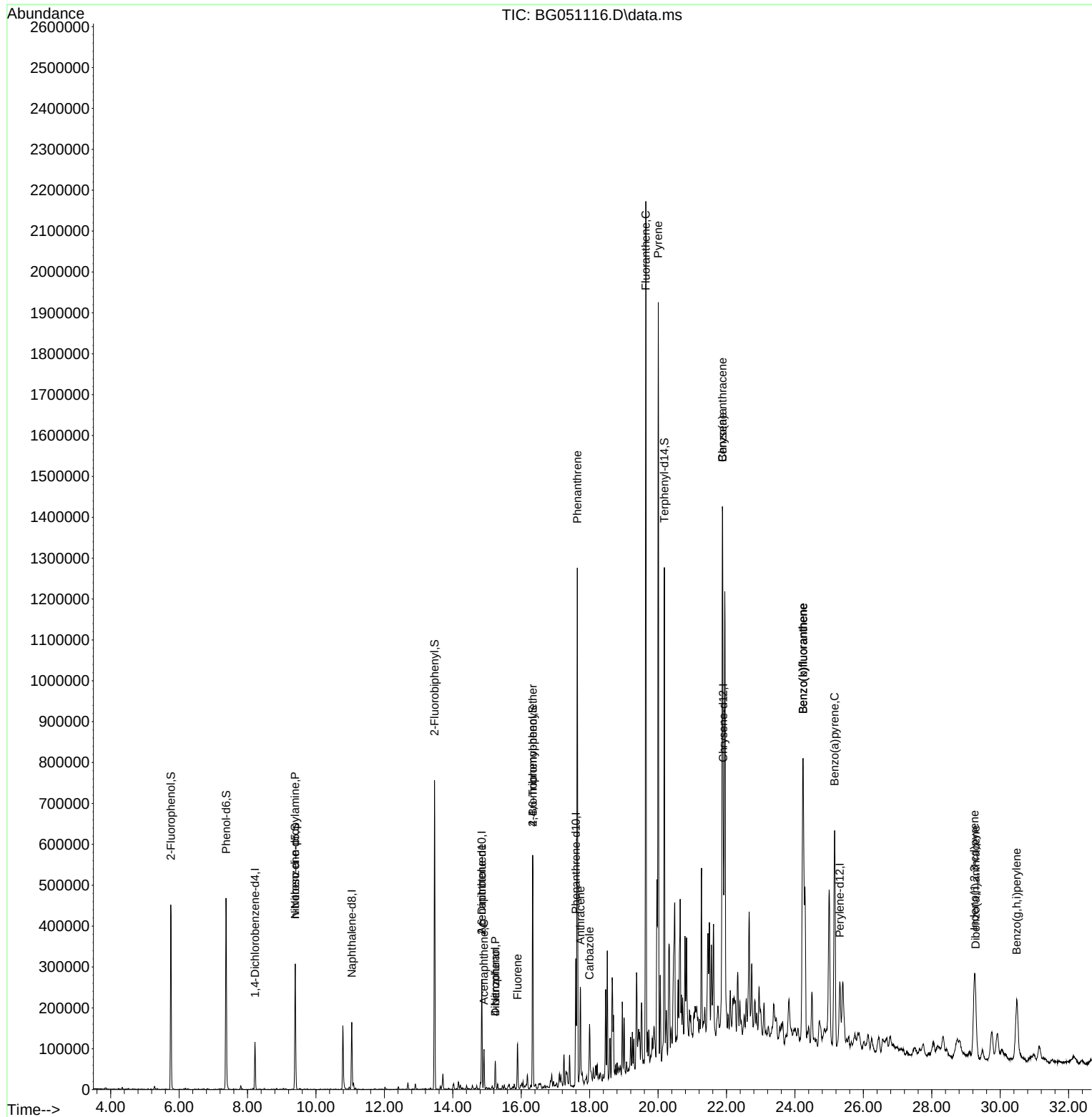
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	32312	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	138457	20.000	ng	# 0.00
39) Acenaphthene-d10	14.847	164	94846	20.000	ng	0.00
64) Phenanthrene-d10	17.597	188	194707	20.000	ng	# 0.00
76) Chrysene-d12	21.904	240	161677	20.000	ng	# 0.00
86) Perylene-d12	25.311	264	170628	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.758	112	204086	94.483	ng	0.00
7) Phenol-d6	7.374	99	279731	91.752	ng	0.00
23) Nitrobenzene-d5	9.395	82	195209	62.411	ng	0.00
42) 2,4,6-Tribromophenol	16.340	330	90243	95.078	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	382975	63.800	ng	0.00
79) Terphenyl-d14	20.182	244	509532	60.016	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.395	70	26956	11.964	ng	# 69
51) 2,6-Dinitrotoluene	14.847	165	13793	8.981	ng	# 11
52) Acenaphthene	14.912	154	33236	6.495	ng	90
55) Dibenzofuran	15.241	168	40058	4.602	ng	94
56) 4-Nitrophenol	15.241	139	15409	11.221	ng	# 1
58) Fluorene	15.893	166	51145	7.527	ng	99
67) 4-Bromophenyl-phenylether	16.340	248	7079	3.471	ng	# 1
71) Phenanthrene	17.638	178	790697	76.133	ng	98
72) Anthracene	17.732	178	156850	15.185	ng	98
73) Carbazole	17.997	167	86879	8.493	ng	98
75) Fluoranthene	19.642	202	1331186	104.474	ng	92
78) Pyrene	20.006	202	1158697	95.531	ng	93
81) Benzo(a)anthracene	21.880	228	854391	76.962	ng	98
83) Chrysene	21.880	228	854391	81.584	ng	97
87) Indeno(1,2,3-cd)pyrene	29.248	276	365036	30.141	ng	# 91
88) Benzo(b)fluoranthene	24.236	252	922006	85.845	ng	# 92
89) Benzo(k)fluoranthene	24.236	252	922006	86.072	ng	# 96
90) Benzo(a)pyrene	25.159	252	612273	66.774	ng	# 90
91) Dibenzo(a,h)anthracene	29.283	278	123147	12.350	ng	# 88
92) Benzo(g,h,i)perylene	30.482	276	322772	32.893	ng	# 91

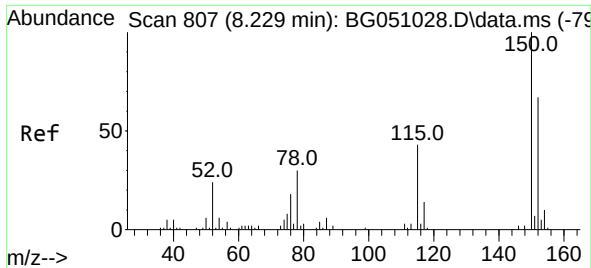
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Time: Nov 19 01:38:05 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 01:16:08 2021
Response via : Initial Calibration

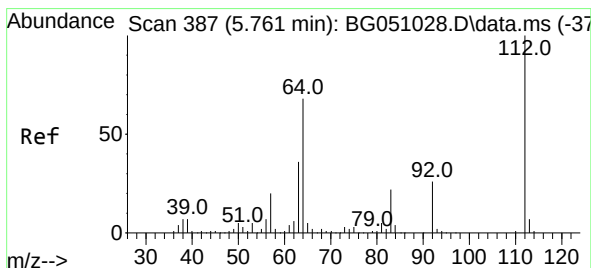
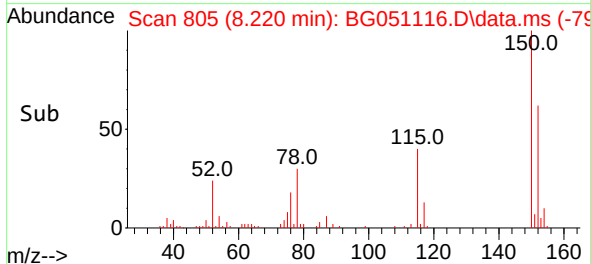
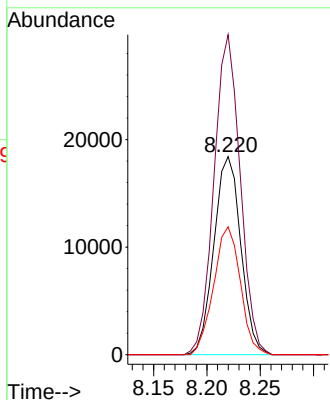
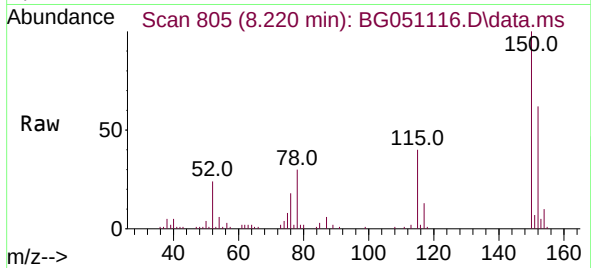




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 807
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

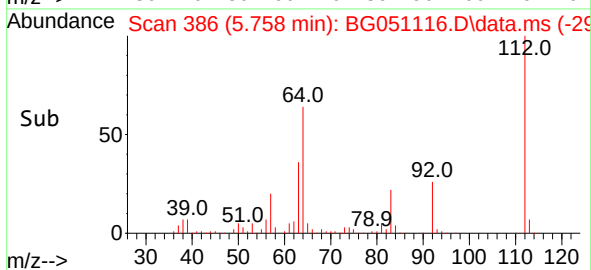
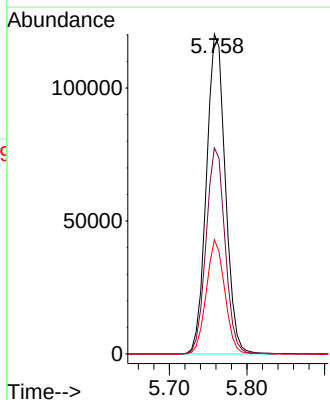
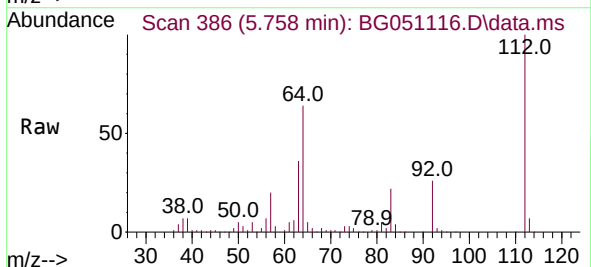
Instrument :
BNA_G
ClientSampleId :
3-COMP

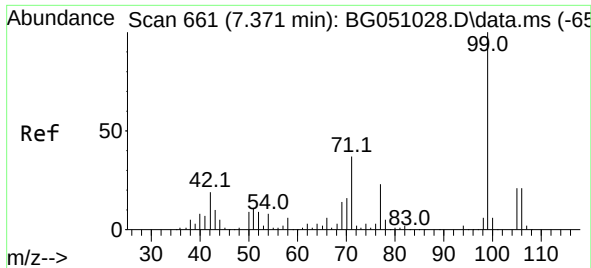
Tgt Ion:152 Resp: 32312
Ion Ratio Lower Upper
152 100
150 161.6 119.4 179.0
115 64.6 60.2 90.4



#5
2-Fluorophenol
Concen: 94.483 ng
RT: 5.758 min Scan# 386
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:112 Resp: 204086
Ion Ratio Lower Upper
112 100
64 64.4 46.7 70.1
63 35.7 35.3 52.9

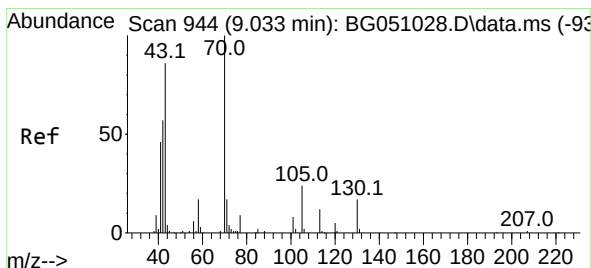
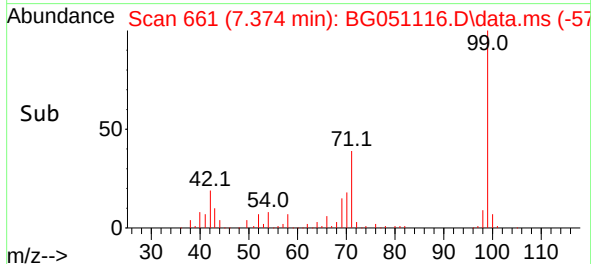
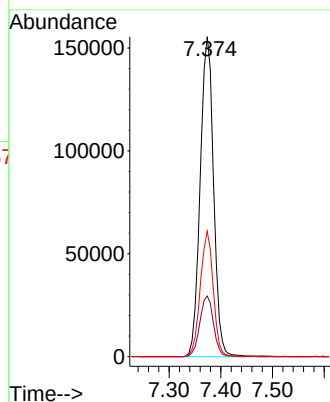
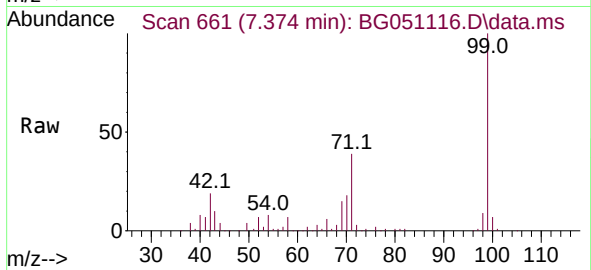




#7
Phenol-d6
Concen: 91.752 ng
RT: 7.374 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

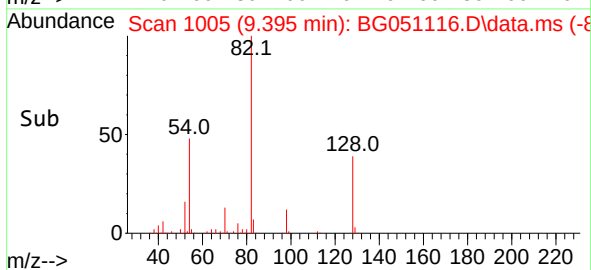
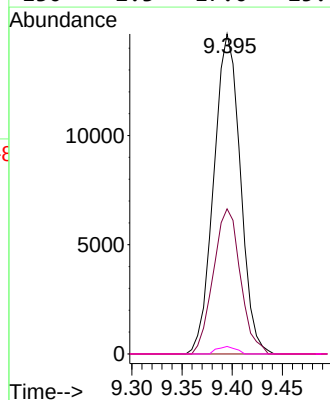
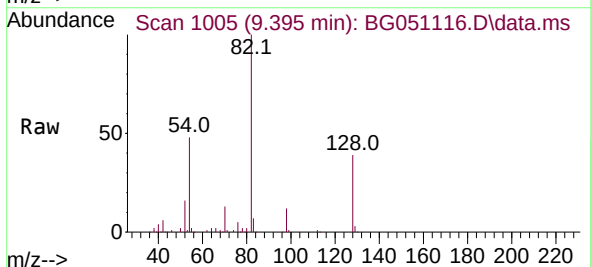
Instrument :
BNA_G
ClientSampleId :
3-COMP

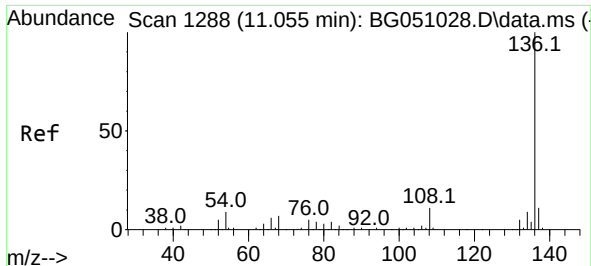
Tgt Ion: 99 Resp: 279731
Ion Ratio Lower Upper
99 100
42 19.0 20.5 30.7#
71 39.2 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 11.964 ng
RT: 9.395 min Scan# 1005
Delta R.T. 0.361 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion: 70 Resp: 26956
Ion Ratio Lower Upper
70 100
42 45.4 54.5 81.7#
101 0.0 9.0 13.6#
130 2.3 17.0 25.6#

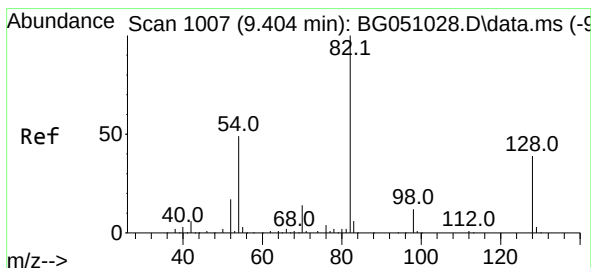
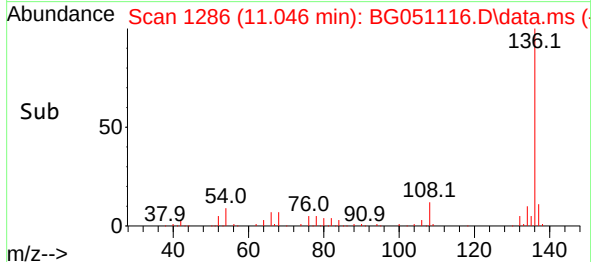
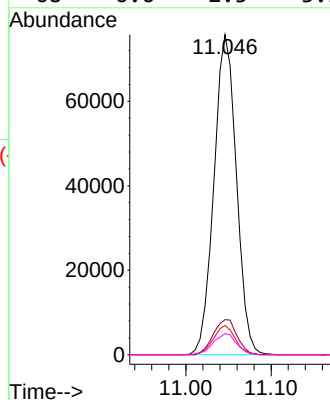
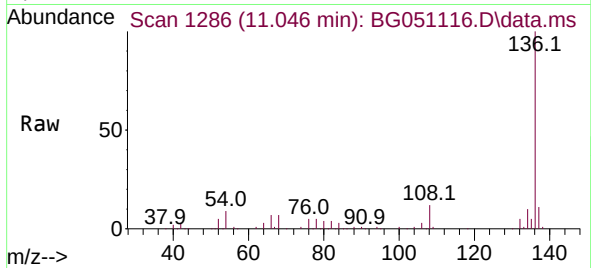




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

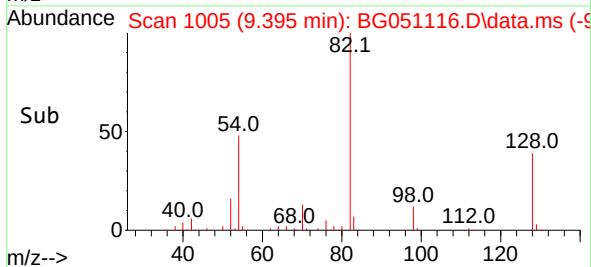
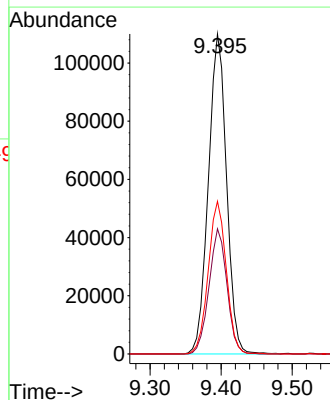
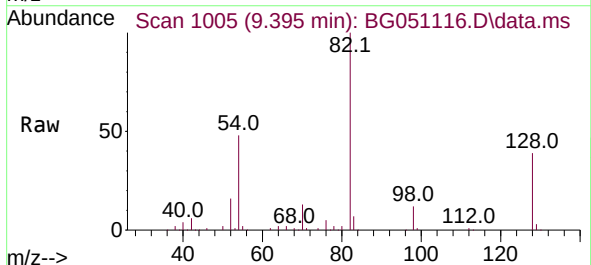
Instrument :
BNA_G
ClientSampleId :
3-COMP

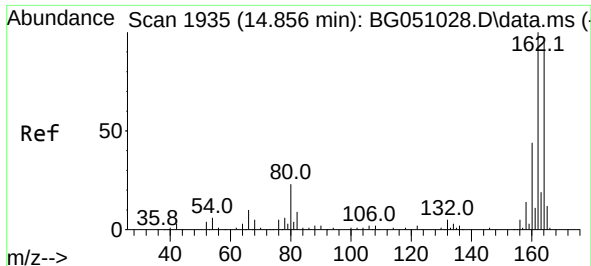
Tgt Ion:	136	Resp:	138457
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.2
54	9.1	5.5	8.3#
68	6.6	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 62.411 ng
RT: 9.395 min Scan# 1005
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:	82	Resp:	195209
Ion Ratio	Lower	Upper	
82	100		
128	39.1	29.8	44.6
54	47.7	45.8	68.8

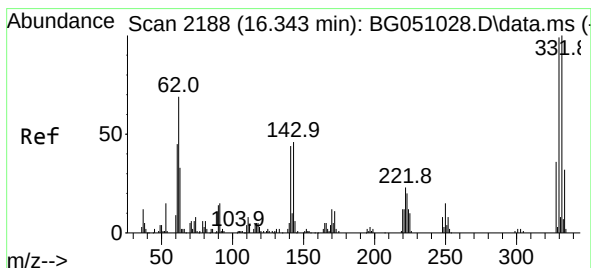
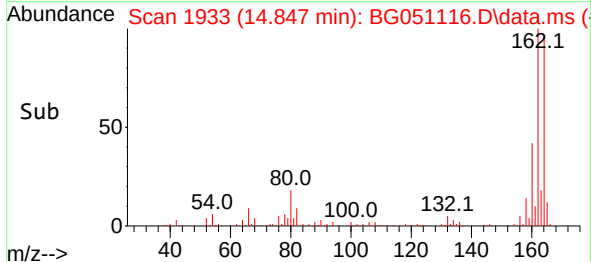
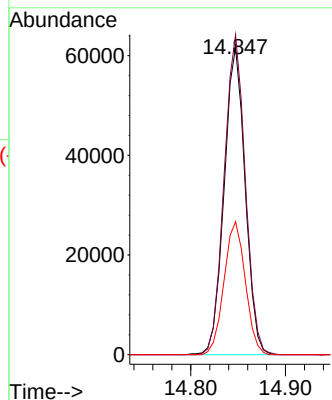
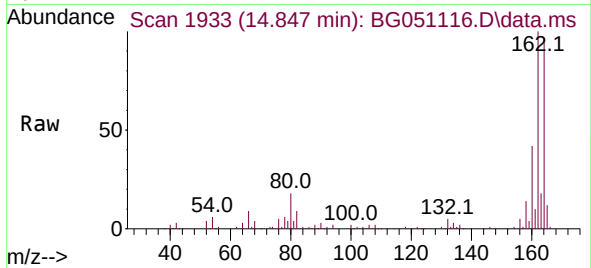




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.847 min Scan# 1933
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

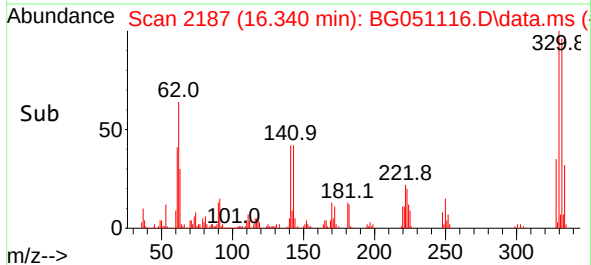
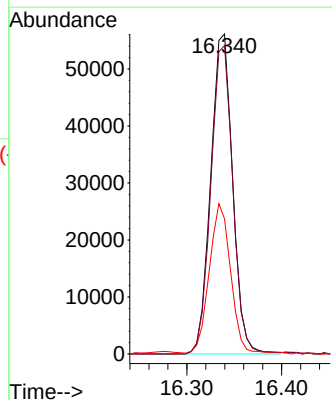
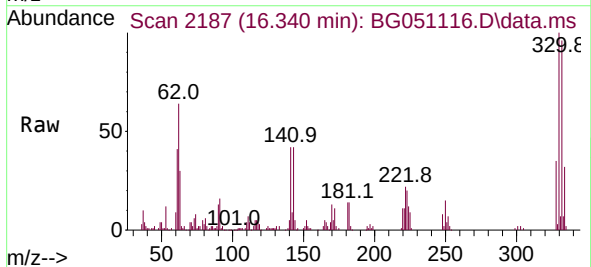
Instrument :
BNA_G
ClientSampleId :
3-COMP

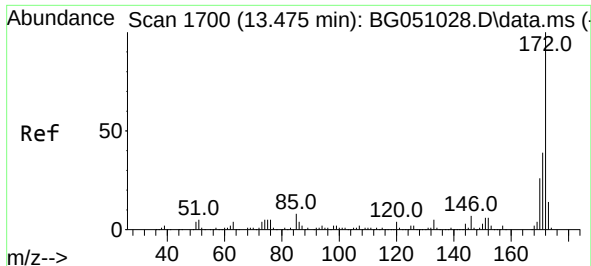
Tgt Ion:164 Resp: 94846
Ion Ratio Lower Upper
164 100
162 104.2 81.4 122.0
160 43.3 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 95.078 ng
RT: 16.340 min Scan# 2187
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:330 Resp: 90243
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 46.2 35.6 53.4

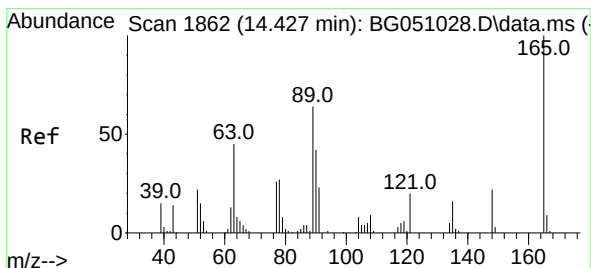
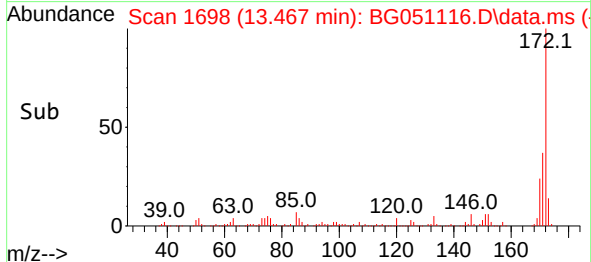
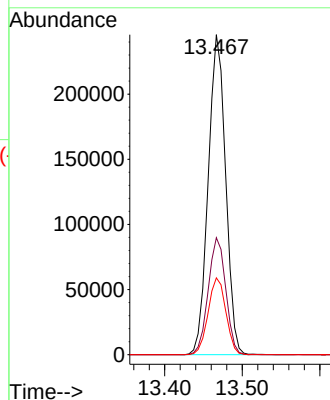
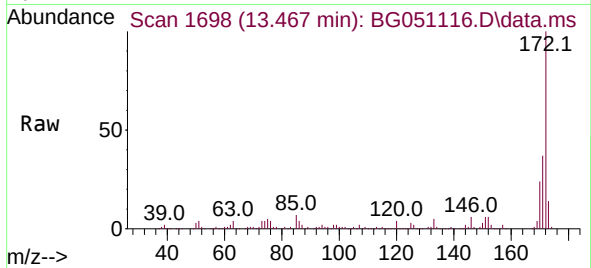




#45
2-Fluorobiphenyl
Concen: 63.800 ng
RT: 13.467 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

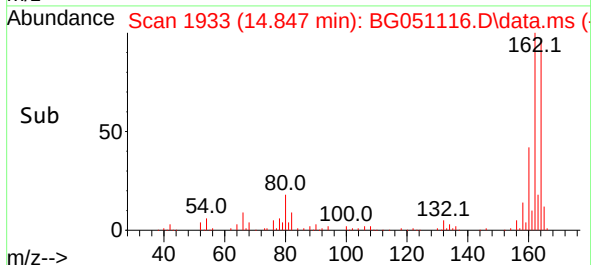
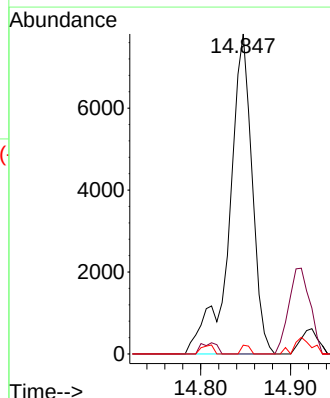
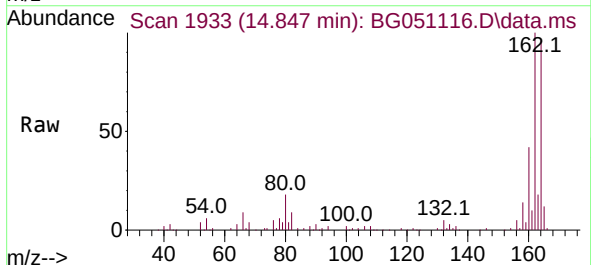
Instrument :
BNA_G
ClientSampleId :
3-COMP

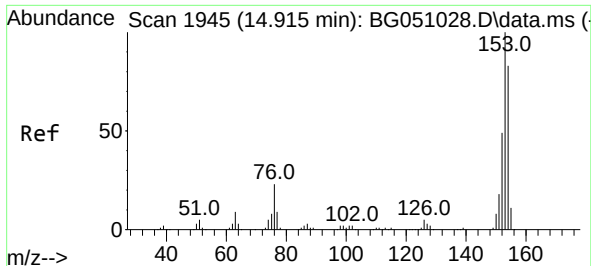
Tgt Ion:172 Resp: 382975
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 24.0 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.981 ng
RT: 14.847 min Scan# 1933
Delta R.T. 0.420 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

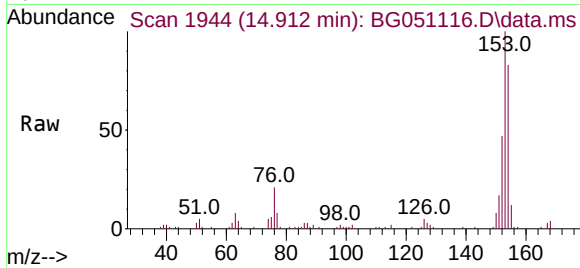
Tgt Ion:165 Resp: 13793
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.8 63.4 95.0#



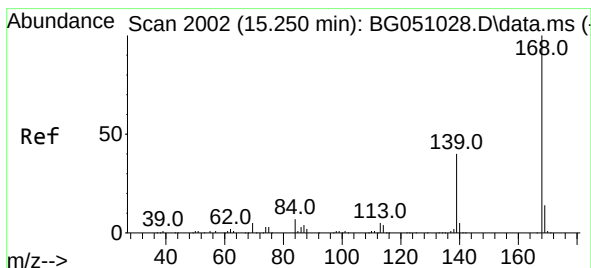
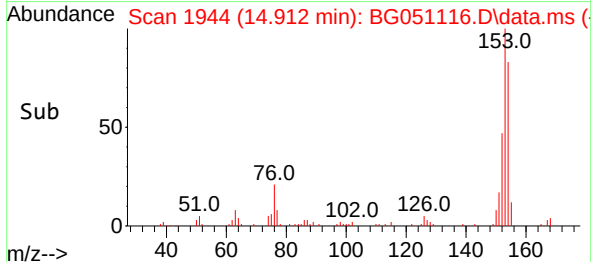
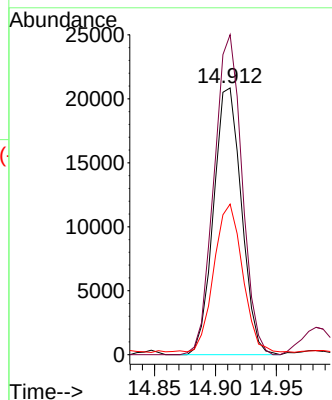


#52
Acenaphthene
Concen: 6.495 ng
RT: 14.912 min Scan# 1944
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Instrument :
BNA_G
ClientSampleId :
3-COMP

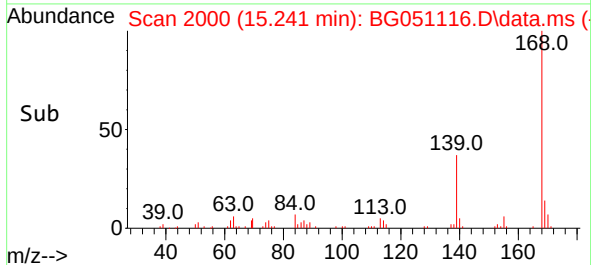
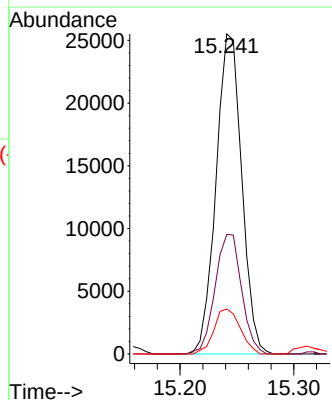
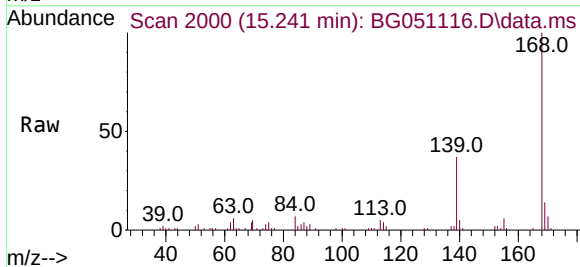


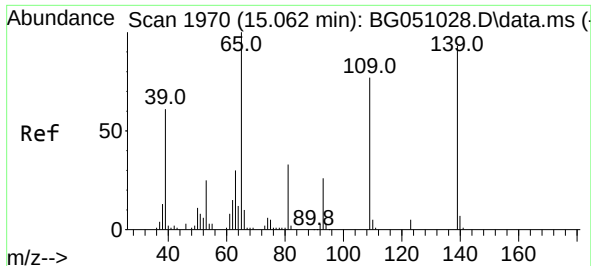
Tgt Ion:154 Resp: 33236
Ion Ratio Lower Upper
154 100
153 120.0 87.0 130.4
152 56.5 40.1 60.1



#55
Dibenzofuran
Concen: 4.602 ng
RT: 15.241 min Scan# 2000
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:168 Resp: 40058
Ion Ratio Lower Upper
168 100
139 37.3 33.4 50.2
169 14.0 12.3 18.5

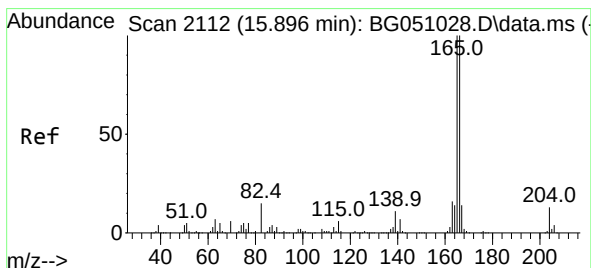
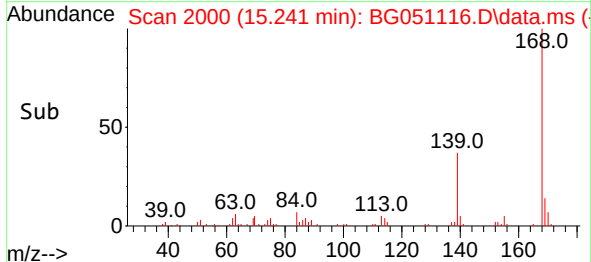
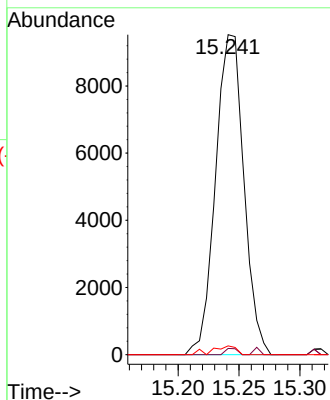
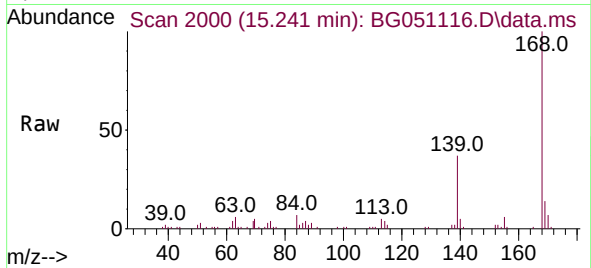




#56
4-Nitrophenol
Concen: 11.221 ng
RT: 15.241 min Scan# 20
Delta R.T. 0.179 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

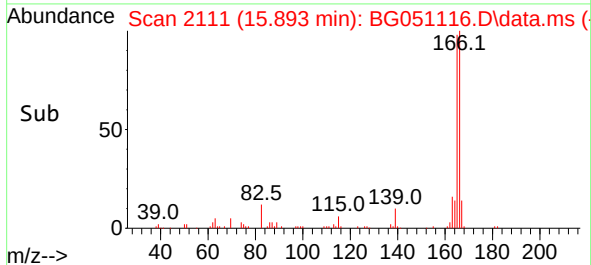
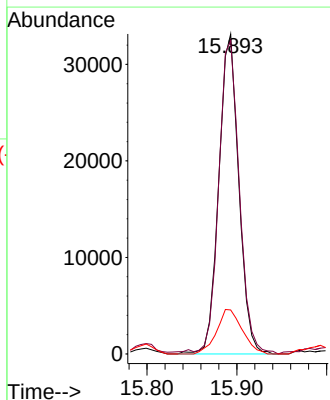
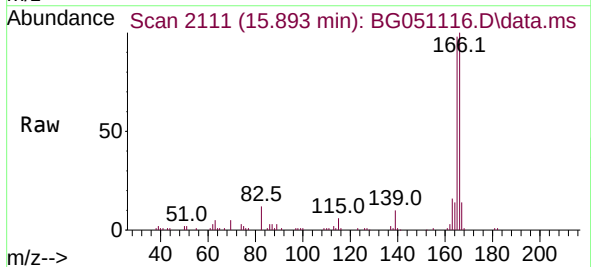
Instrument :
BNA_G
ClientSampleId :
3-COMP

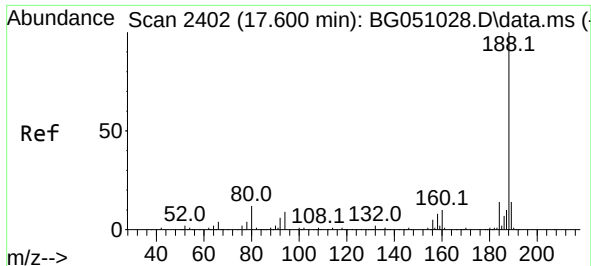
Tgt Ion:139 Resp: 15409
Ion Ratio Lower Upper
139 100
109 1.9 116.3 156.3#
65 2.7 105.0 145.0#



#58
Fluorene
Concen: 7.527 ng
RT: 15.893 min Scan# 2111
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:166 Resp: 51145
Ion Ratio Lower Upper
166 100
165 98.0 77.7 116.5
167 13.8 10.8 16.2

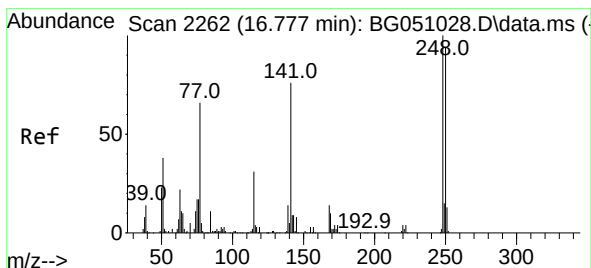
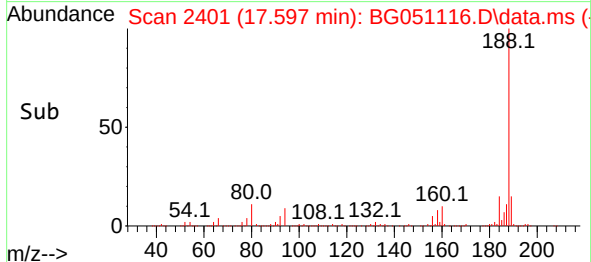
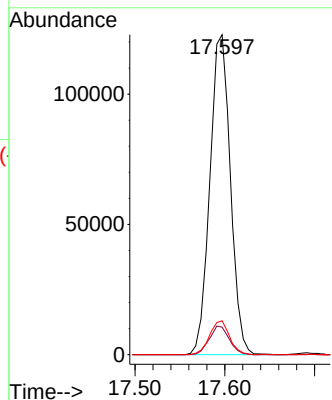
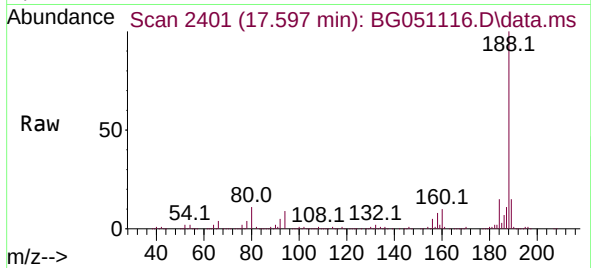




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.597 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

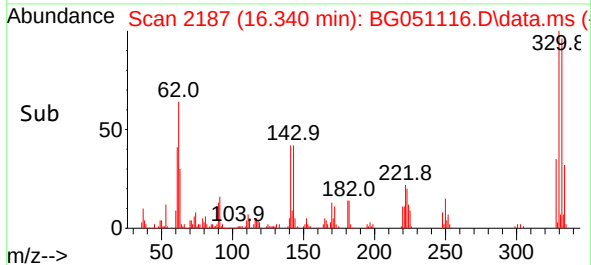
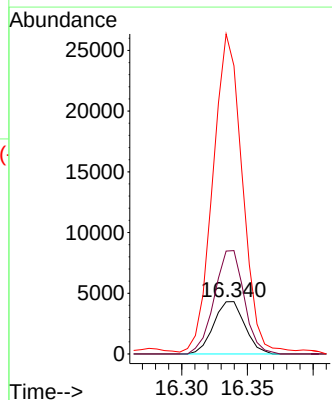
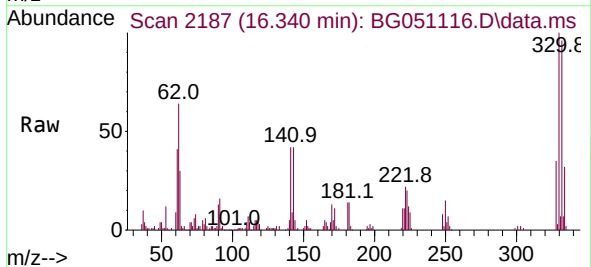
Instrument :
BNA_G
ClientSampleId :
3-COMP

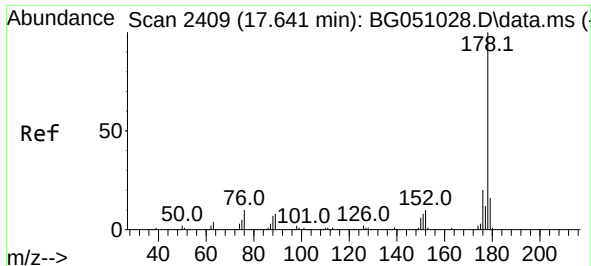
Tgt Ion:188 Resp: 194707
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0#
80 10.6 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.471 ng
RT: 16.340 min Scan# 2187
Delta R.T. -0.438 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:248 Resp: 7079
Ion Ratio Lower Upper
248 100
250 197.3 76.1 114.1#
141 550.0 65.4 98.2#

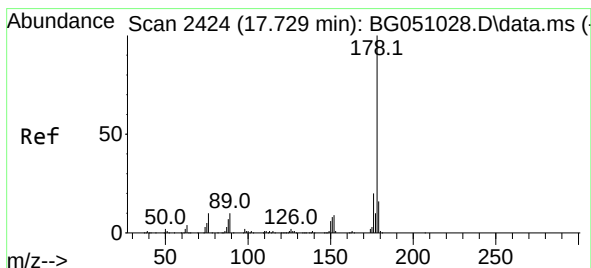
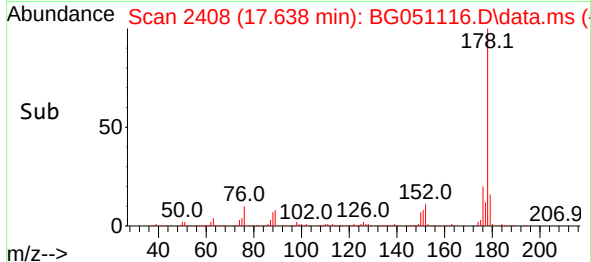
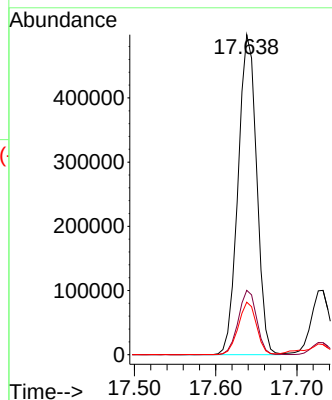
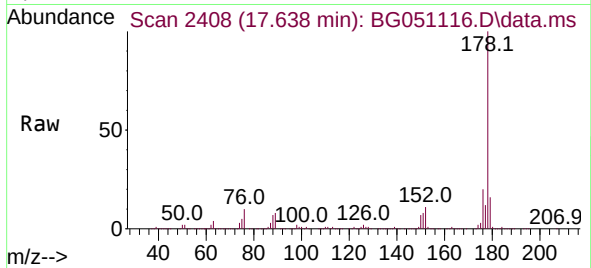




#71
Phenanthrene
Concen: 76.133 ng
RT: 17.638 min Scan# 2409
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

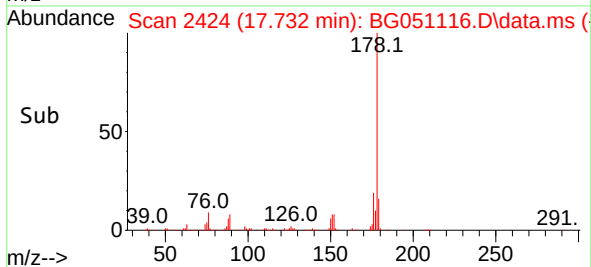
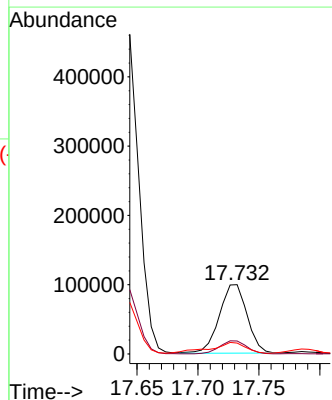
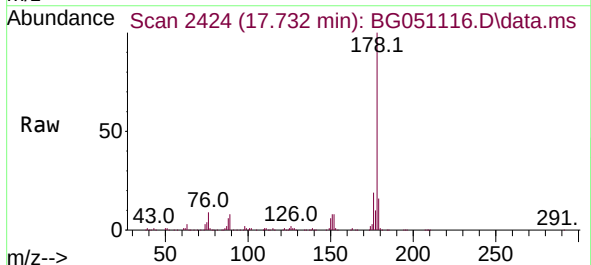
Instrument :
BNA_G
ClientSampleId :
3-COMP

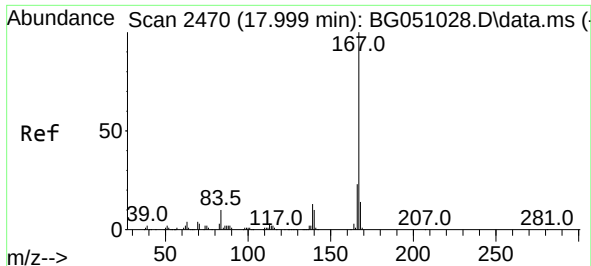
Tgt Ion:178 Resp: 790697
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 16.4 14.2 21.4



#72
Anthracene
Concen: 15.185 ng
RT: 17.732 min Scan# 2424
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:178 Resp: 156850
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.7 13.4 20.0

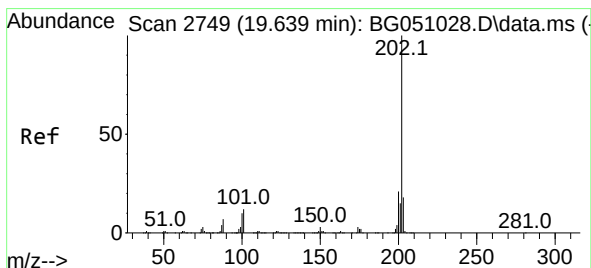
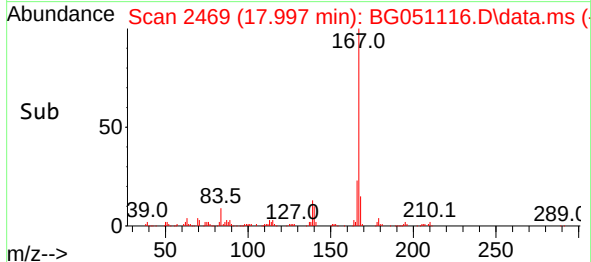
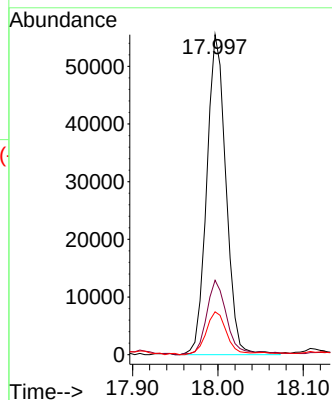
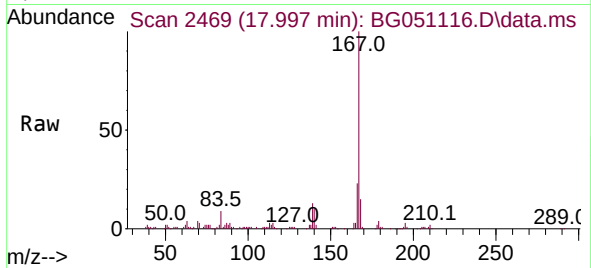




#73
 Carbazole
 Concen: 8.493 ng
 RT: 17.997 min Scan# 2470
 Delta R.T. -0.003 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

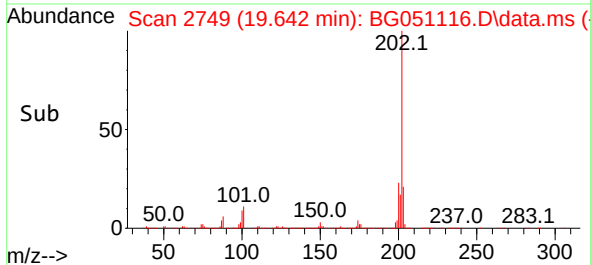
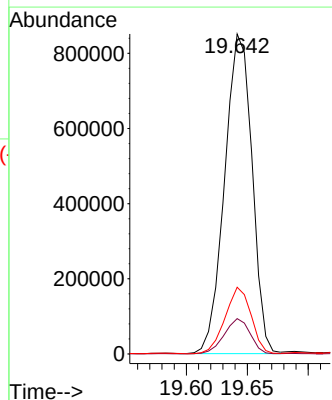
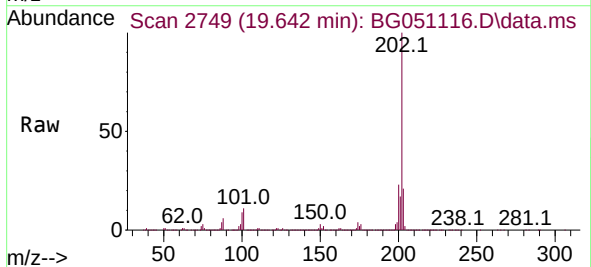
Instrument :
 BNA_G
 ClientSampleId :
 3-COMP

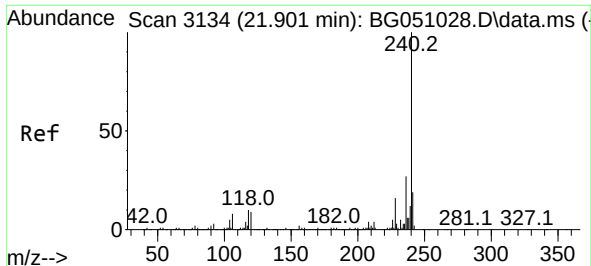
Tgt Ion:167 Resp: 86879
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.4 26.2
 139 13.4 10.7 16.1



#75
 Fluoranthene
 Concen: 104.474 ng
 RT: 19.642 min Scan# 2749
 Delta R.T. 0.003 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

Tgt Ion:202 Resp: 1331186
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 24.7
 203 20.8 0.0 38.5

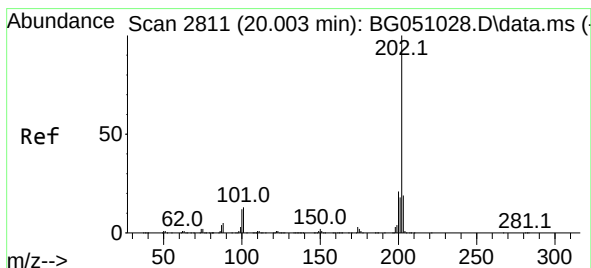
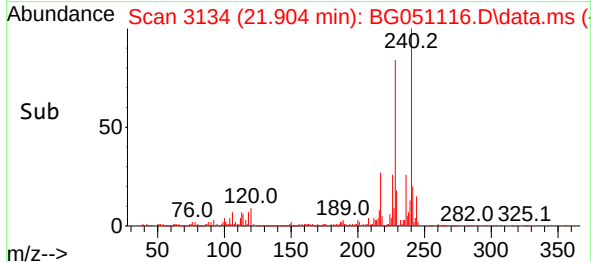
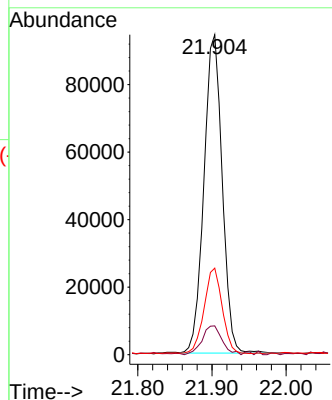
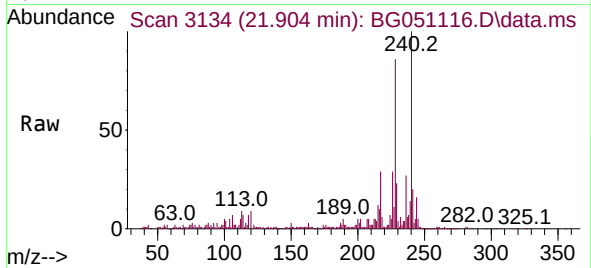




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.904 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

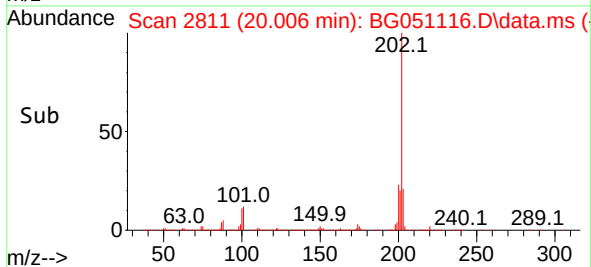
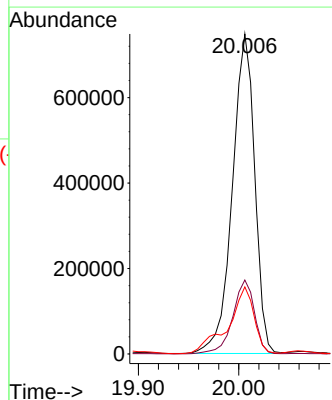
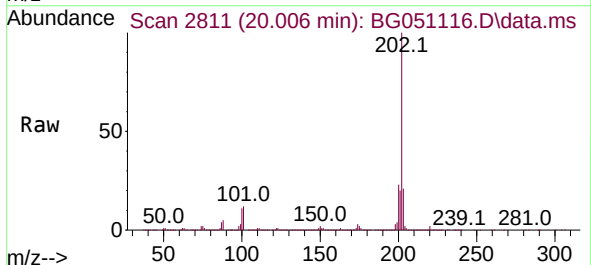
Instrument :
BNA_G
ClientSampleId :
3-COMP

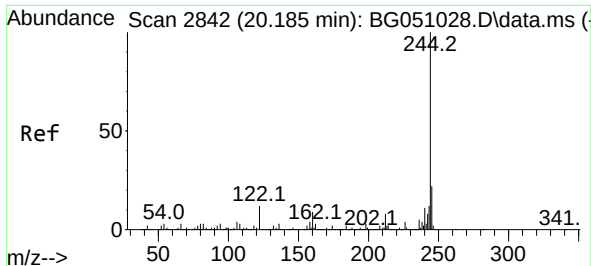
Tgt Ion:240 Resp: 161677
Ion Ratio Lower Upper
240 100
120 9.0 4.2 6.2#
236 27.1 21.8 32.6



#78
Pyrene
Concen: 95.531 ng
RT: 20.006 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:202 Resp: 1158697
Ion Ratio Lower Upper
202 100
200 23.1 15.8 23.8
203 20.9 14.6 21.8

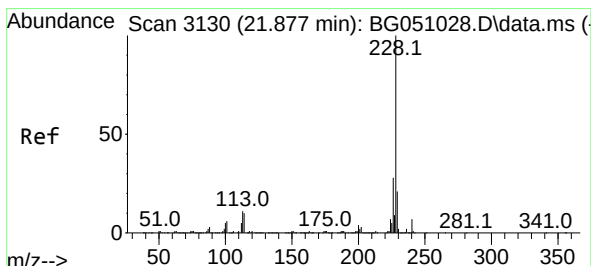
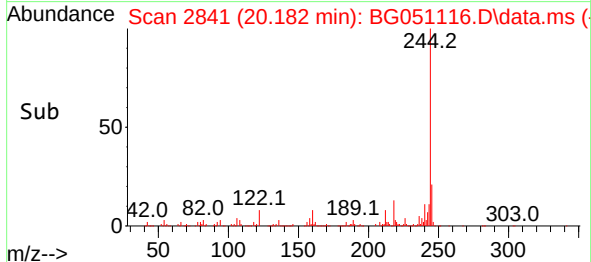
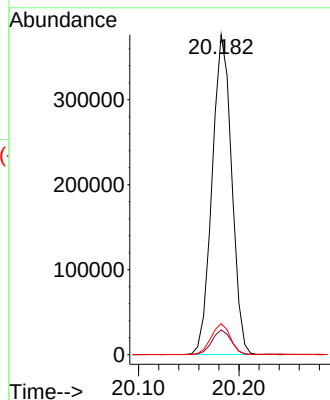
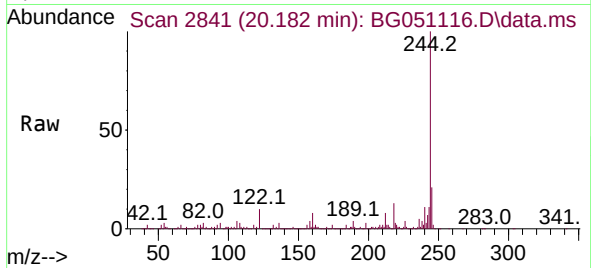




#79
 Terphenyl-d14
 Concen: 60.016 ng
 RT: 20.182 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

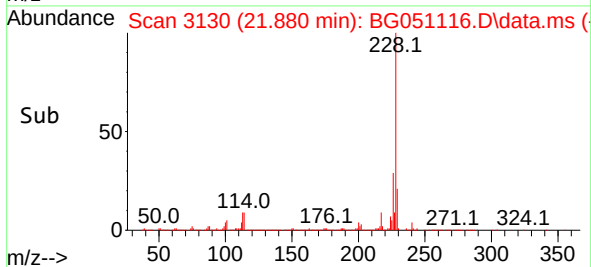
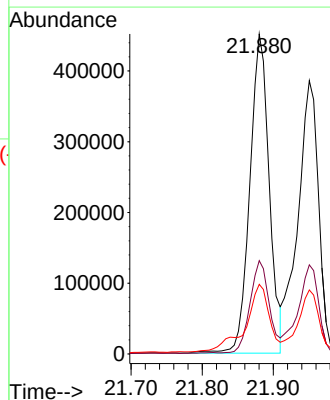
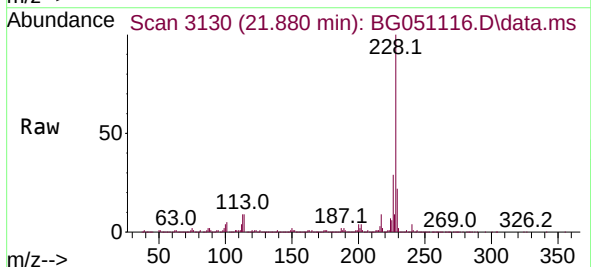
Instrument :
 BNA_G
 ClientSampleId :
 3-COMP

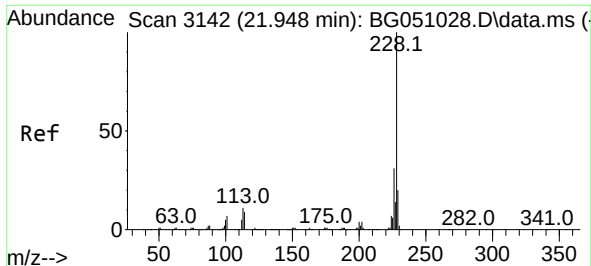
Tgt Ion:244 Resp: 509532
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.9 10.3
 122 9.7 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 76.962 ng
 RT: 21.880 min Scan# 3130
 Delta R.T. 0.003 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

Tgt Ion:228 Resp: 854391
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.7 34.1
 229 21.7 16.0 24.0

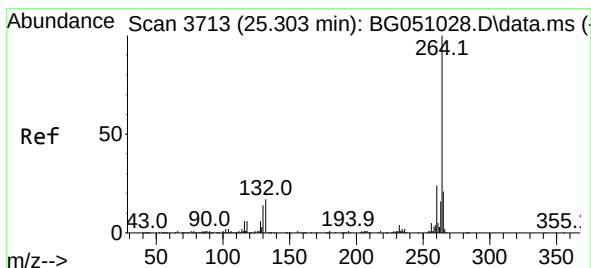
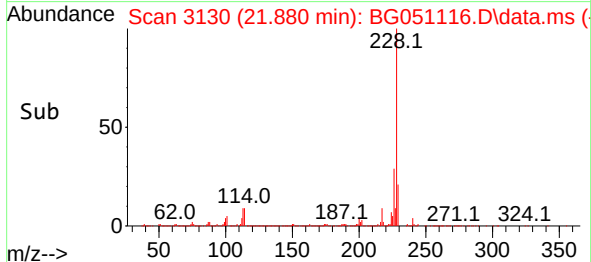
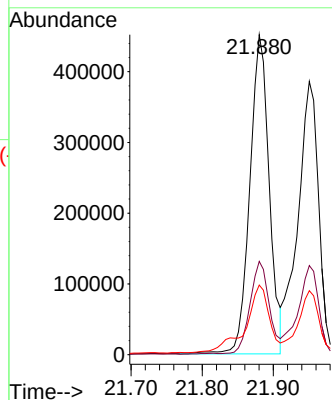
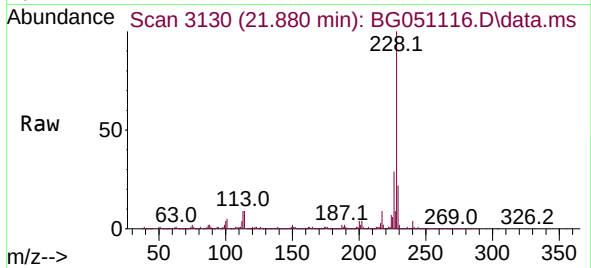




#83
Chrysene
Concen: 81.584 ng
RT: 21.880 min Scan# 3142
Delta R.T. -0.067 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

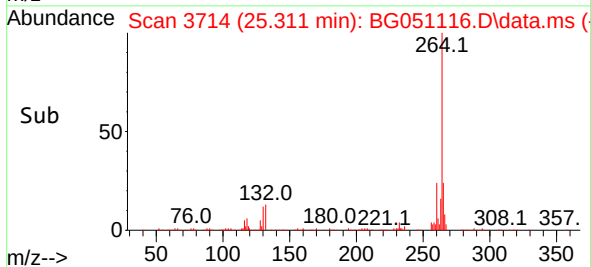
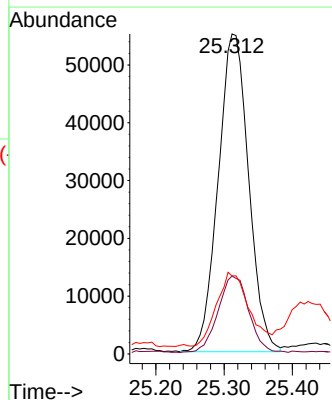
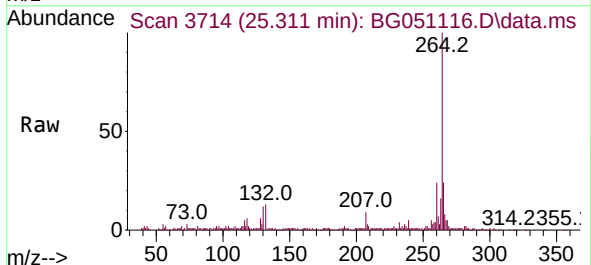
Instrument :
BNA_G
ClientSampleId :
3-COMP

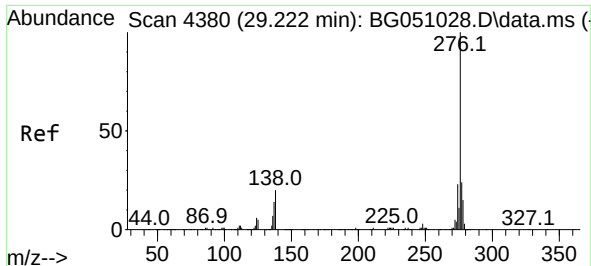
Tgt Ion:228 Resp: 854391
Ion Ratio Lower Upper
228 100
226 29.1 23.1 34.7
229 21.7 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.311 min Scan# 3714
Delta R.T. 0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:264 Resp: 170628
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 24.4 16.9 25.3

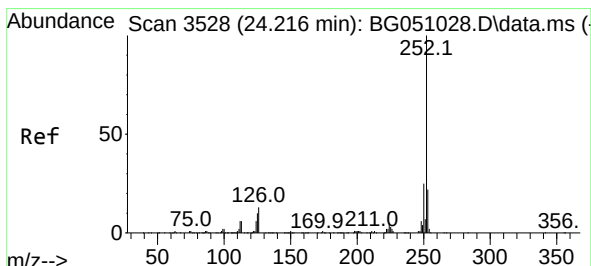
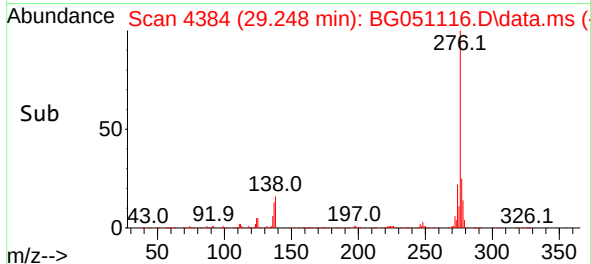
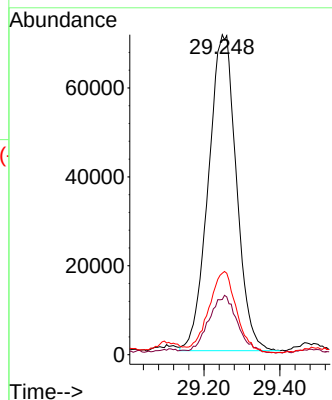
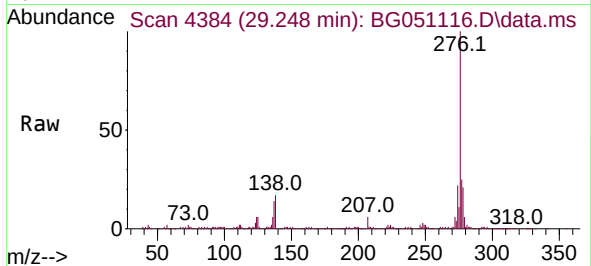




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 30.141 ng
 RT: 29.248 min Scan# 41
 Delta R.T. 0.027 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

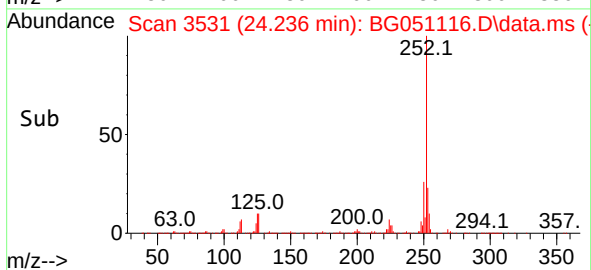
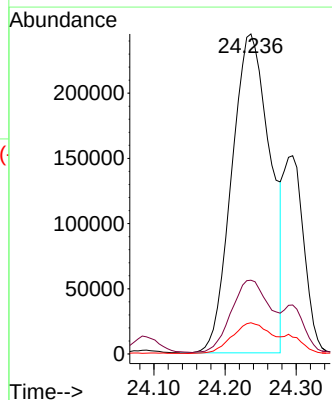
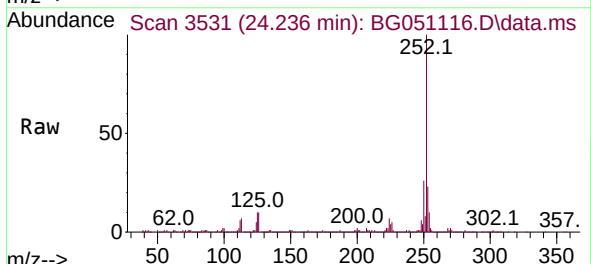
Instrument :
 BNA_G
 ClientSampleId :
 3-COMP

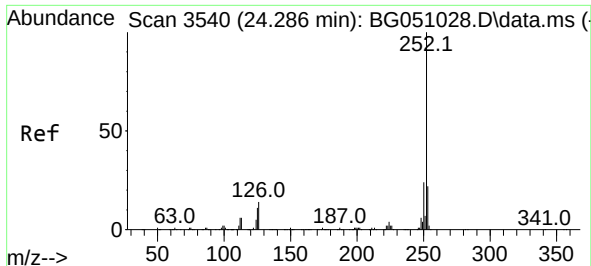
Tgt Ion:276 Resp: 365036
 Ion Ratio Lower Upper
 276 100
 138 18.6 5.1 7.7#
 277 25.6 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 85.845 ng
 RT: 24.236 min Scan# 3531
 Delta R.T. 0.021 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

Tgt Ion:252 Resp: 922006
 Ion Ratio Lower Upper
 252 100
 253 23.1 16.2 24.4
 125 9.7 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 86.072 ng

RT: 24.236 min Scan# 3

Delta R.T. -0.050 min

Lab File: BG051116.D

Acq: 18 Nov 2021 22:18

Instrument :

BNA_G

ClientSampleId :

3-COMP

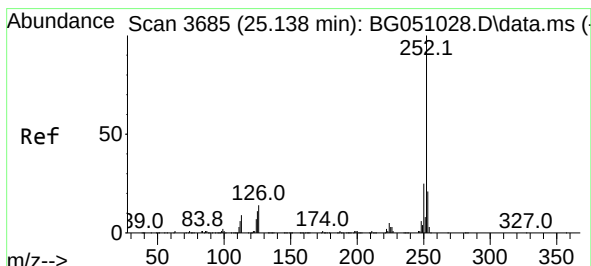
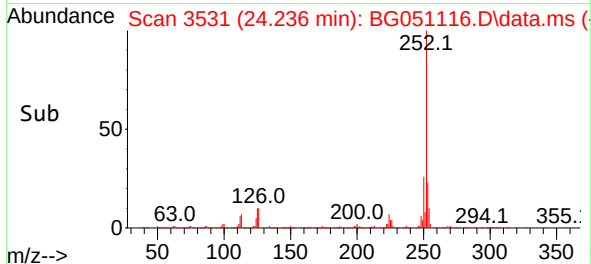
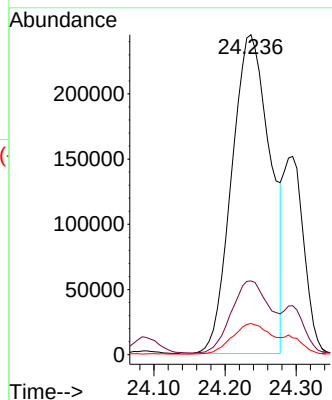
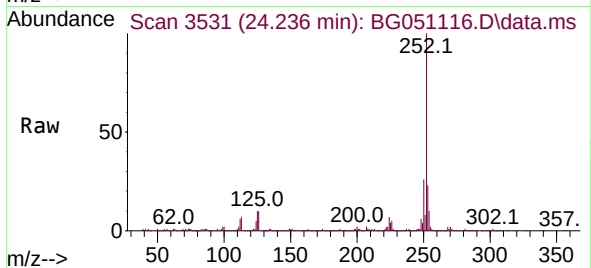
Tgt Ion:252 Resp: 922006

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 9.7 3.1 4.7#



#90

Benzo(a)pyrene

Concen: 66.774 ng

RT: 25.159 min Scan# 3688

Delta R.T. 0.021 min

Lab File: BG051116.D

Acq: 18 Nov 2021 22:18

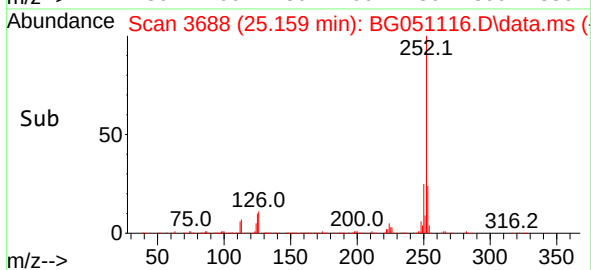
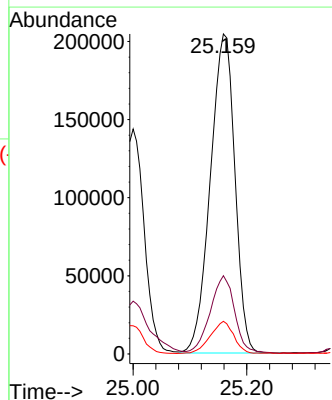
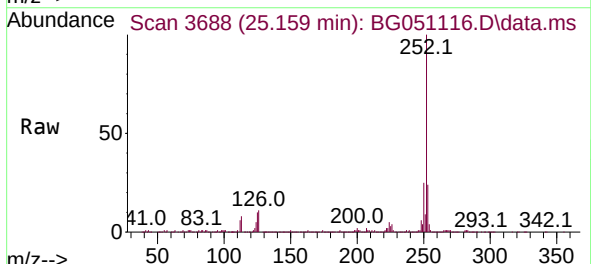
Tgt Ion:252 Resp: 612273

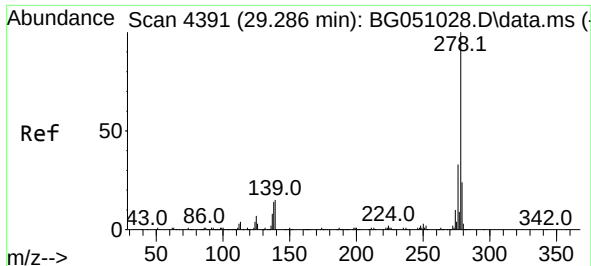
Ion Ratio Lower Upper

252 100

253 24.5 16.6 25.0

125 10.2 3.5 5.3#

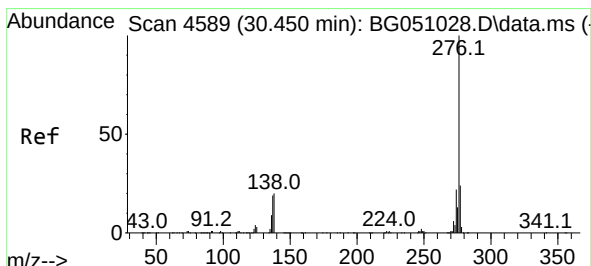
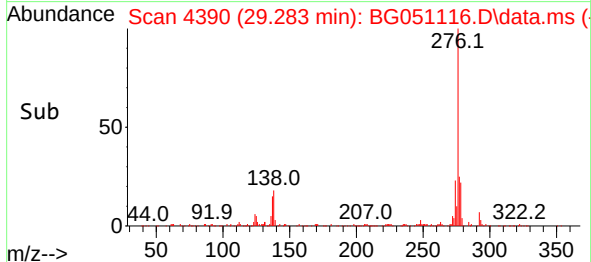
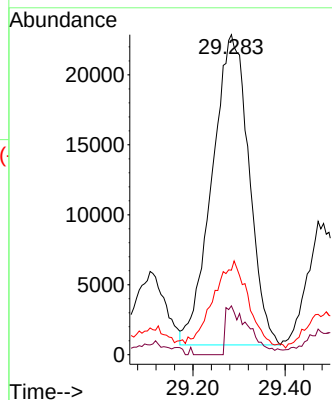
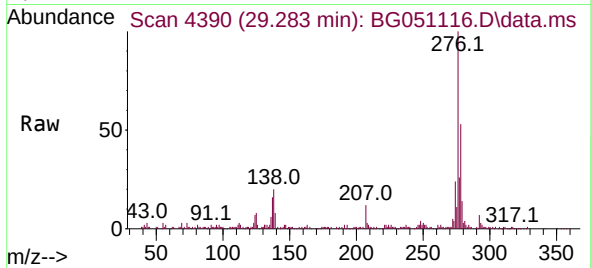




#91
 Dibenzo(a,h)anthracene
 Concen: 12.350 ng
 RT: 29.283 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

Instrument :
 BNA_G
 ClientSampleId :
 3-COMP

Tgt Ion:278 Resp: 123147
 Ion Ratio Lower Upper
 278 100
 139 15.3 4.6 6.8#
 279 26.4 17.9 26.9



#92
 Benzo(g,h,i)perylene
 Concen: 32.893 ng
 RT: 30.482 min Scan# 4594
 Delta R.T. 0.032 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

Tgt Ion:276 Resp: 322772
 Ion Ratio Lower Upper
 276 100
 277 24.1 18.4 27.6
 138 17.9 7.0 10.6#

