

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051115.D
 Acq On : 18 Nov 2021 21:36
 Operator : CG/JU
 Sample : M4707-39
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4-COMP

Quant Time: Nov 19 01:37:53 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

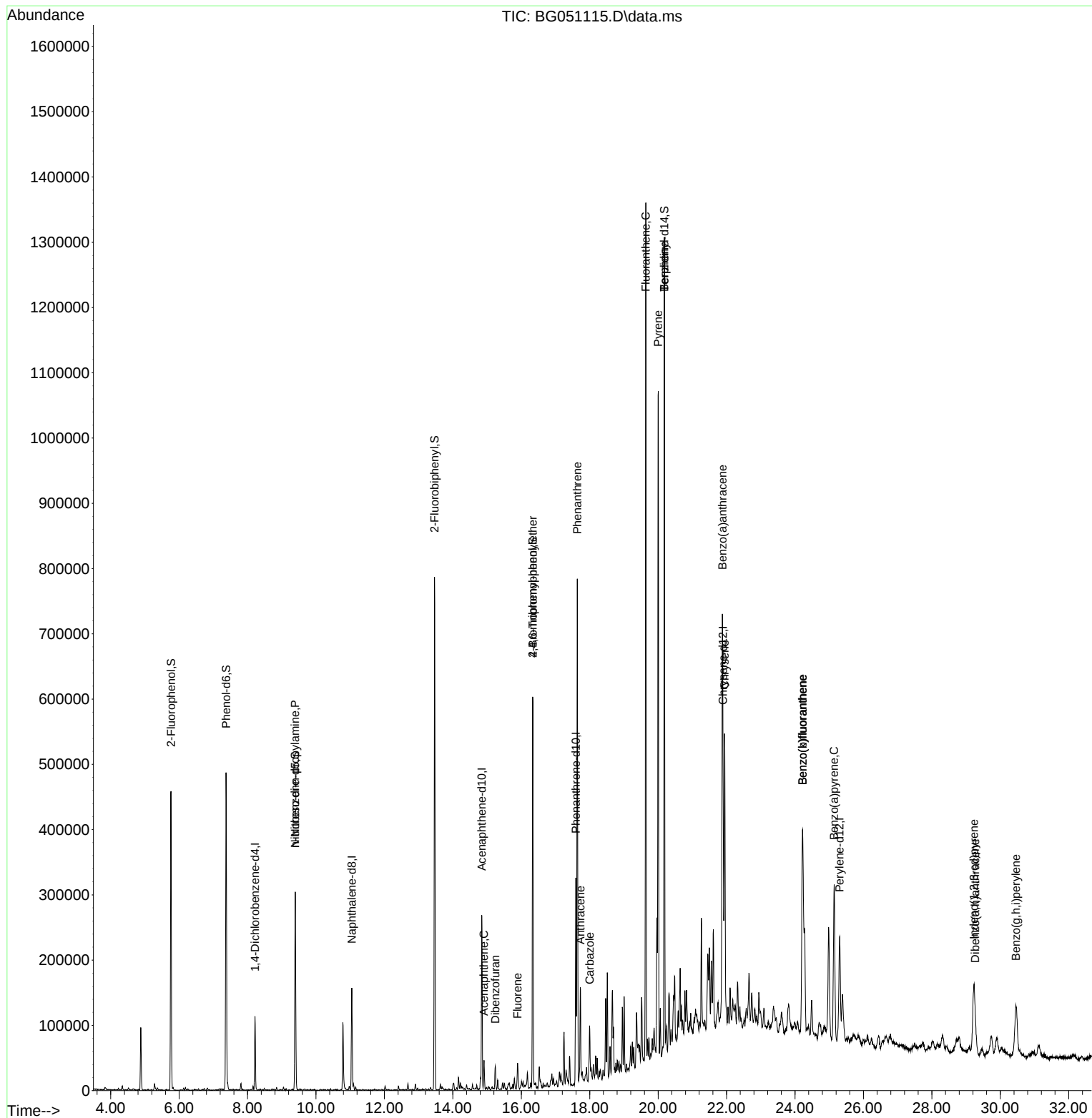
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	31655	20.000	ng	-0.01
21) Naphthalene-d8	11.044	136	135789	20.000	ng	#-0.01
39) Acenaphthene-d10	14.846	164	93477	20.000	ng	-0.01
64) Phenanthrene-d10	17.595	188	196285	20.000	ng	# 0.00
76) Chrysene-d12	21.896	240	165574	20.000	ng	# 0.00
86) Perylene-d12	25.304	264	170326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	209029	98.780	ng	0.00
7) Phenol-d6	7.372	99	289115	96.798	ng	0.00
23) Nitrobenzene-d5	9.393	82	203404	66.309	ng	-0.01
42) 2,4,6-Tribromophenol	16.338	330	98761	105.576	ng	0.00
45) 2-Fluorobiphenyl	13.465	172	402644	68.059	ng	0.00
79) Terphenyl-d14	20.181	244	547001	62.912	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.393	70	28233	12.791	ng	# 67
52) Acenaphthene	14.910	154	13818	2.740	ng	# 86
55) Dibenzofuran	15.245	168	18849	2.197	ng	97
58) Fluorene	15.892	166	17820	2.661	ng	# 98
67) 4-Bromophenyl-phenylether	16.338	248	7492	3.644	ng	# 1
71) Phenanthrene	17.637	178	473099	45.186	ng	97
72) Anthracene	17.731	178	96061	9.225	ng	97
73) Carbazole	18.001	167	49900	4.839	ng	99
75) Fluoranthene	19.640	202	824078	64.155	ng	96
77) Benzidine	20.181	184	9814	3.136	ng	# 94
78) Pyrene	20.004	202	675197	54.358	ng	97
81) Benzo(a)anthracene	21.879	228	349626	30.752	ng	99
83) Chrysene	21.943	228	323409	30.155	ng	95
87) Indeno(1,2,3-cd)pyrene	29.235	276	186045	15.389	ng	# 89
88) Benzo(b)fluoranthene	24.223	252	404613	37.739	ng	# 93
89) Benzo(k)fluoranthene	24.223	252	404613	37.839	ng	# 97
90) Benzo(a)pyrene	25.145	252	269677	29.463	ng	# 95
91) Dibenzo(a,h)anthracene	29.264	278	52195	5.244	ng	# 89
92) Benzo(g,h,i)perylene	30.457	276	167423	17.092	ng	# 92

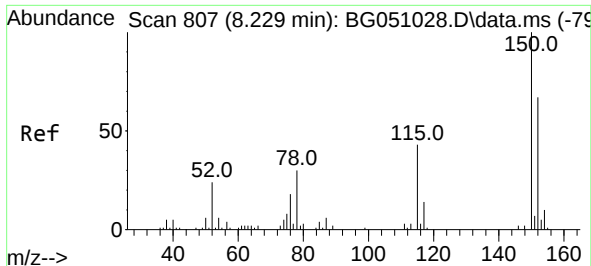
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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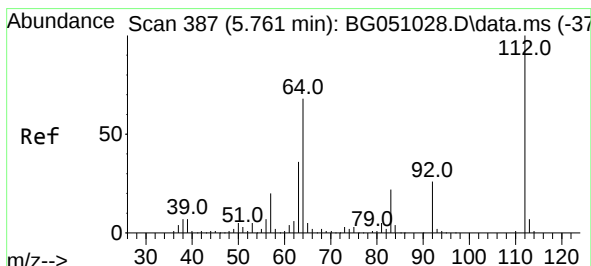
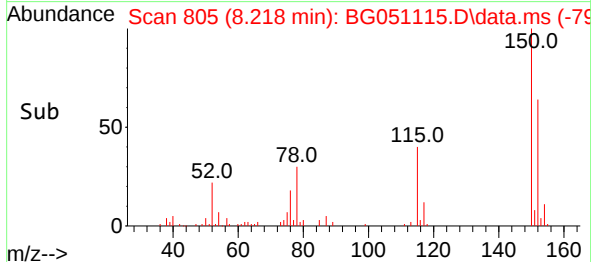
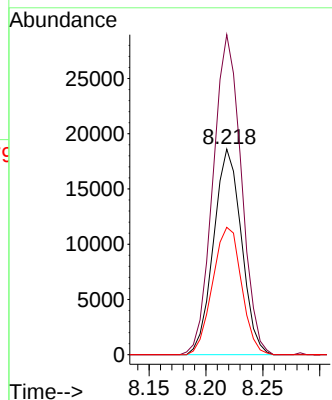
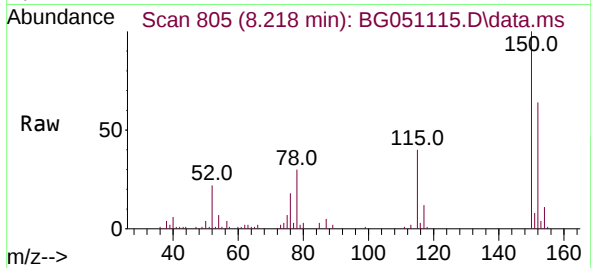




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 807
Delta R.T. -0.011 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

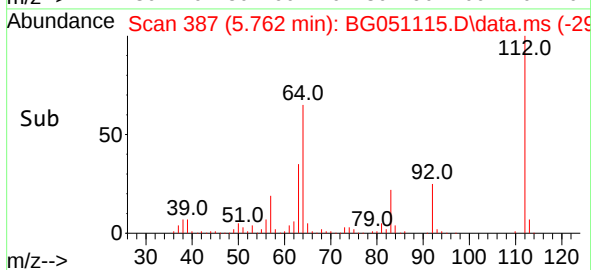
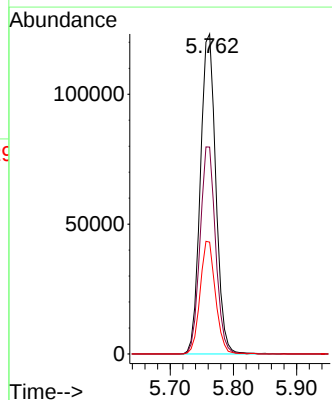
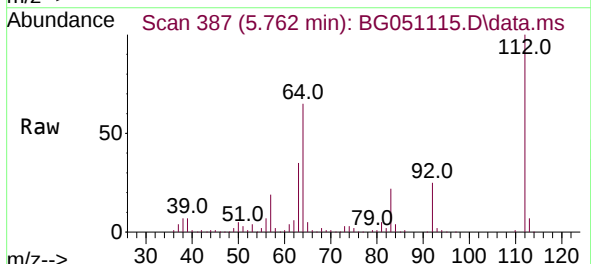
Instrument :
BNA_G
ClientSampleId :
4-COMP

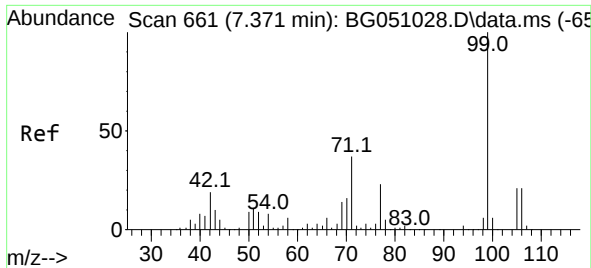
Tgt Ion:152 Resp: 31655
Ion Ratio Lower Upper
152 100
150 155.7 119.4 179.0
115 61.9 60.2 90.4



#5
2-Fluorophenol
Concen: 98.780 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:112 Resp: 209029
Ion Ratio Lower Upper
112 100
64 64.7 46.7 70.1
63 34.9 35.3 52.9#

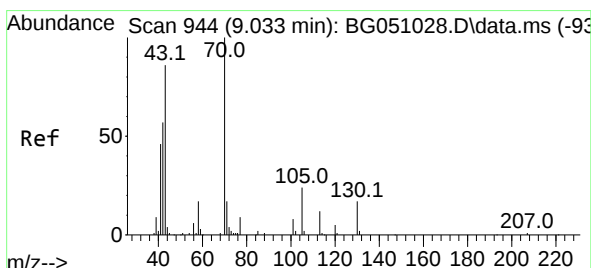
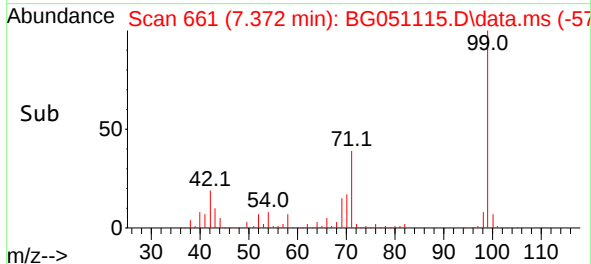
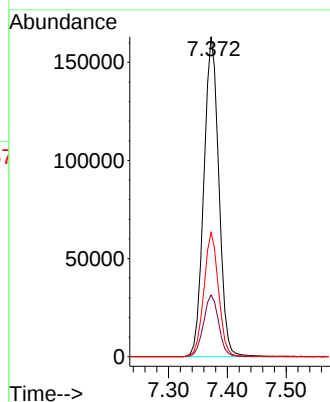
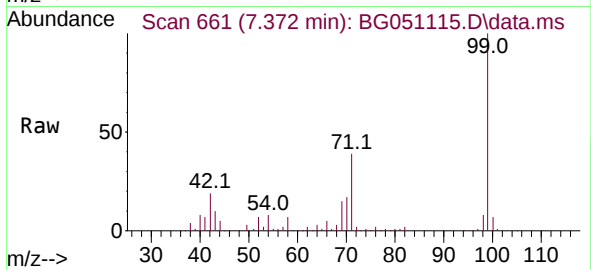




#7
Phenol-d6
Concen: 96.798 ng
RT: 7.372 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

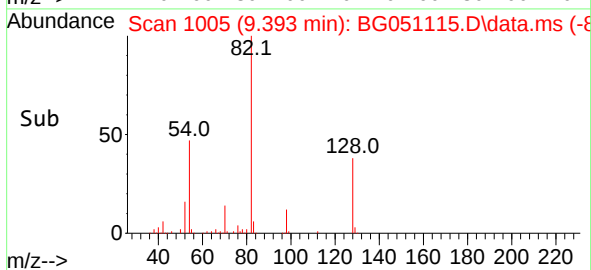
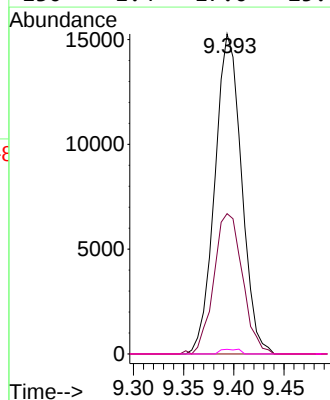
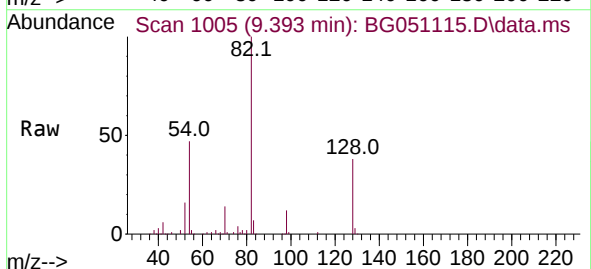
Instrument :
BNA_G
ClientSampleId :
4-COMP

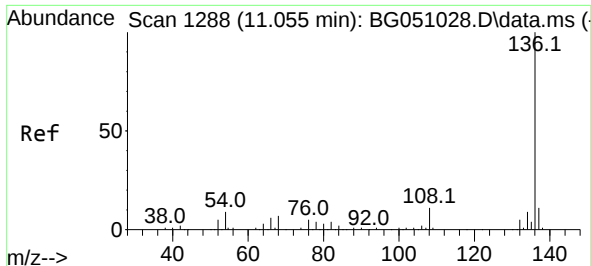
Tgt Ion: 99 Resp: 289115
Ion Ratio Lower Upper
99 100
42 19.3 20.5 30.7#
71 38.8 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 12.791 ng
RT: 9.393 min Scan# 1005
Delta R.T. 0.360 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion: 70 Resp: 28233
Ion Ratio Lower Upper
70 100
42 43.8 54.5 81.7#
101 0.0 9.0 13.6#
130 1.4 17.0 25.6#

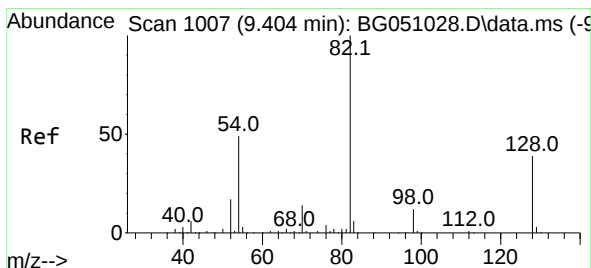
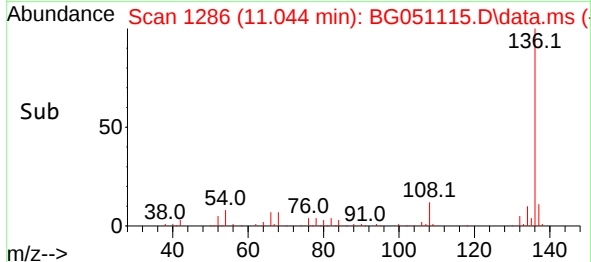
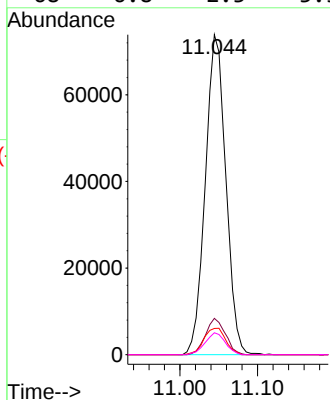
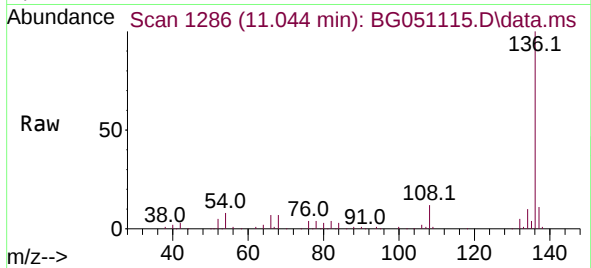




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

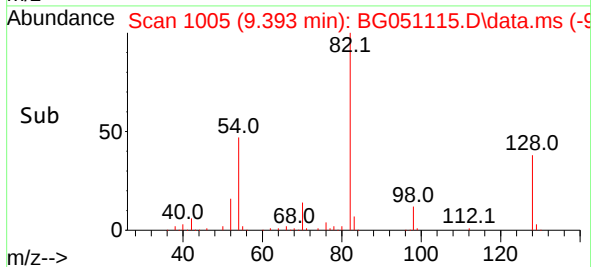
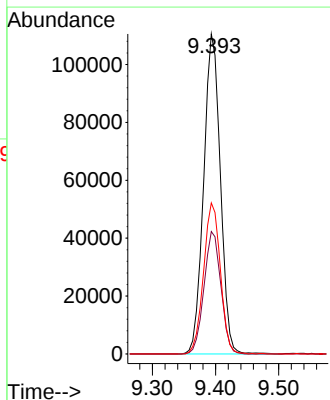
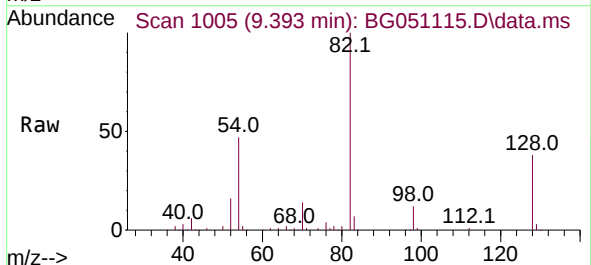
Instrument :
BNA_G
ClientSampleId :
4-COMP

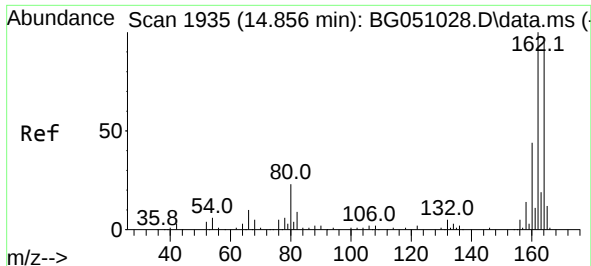
Tgt Ion:136 Resp: 135789
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.2
54 8.2 5.5 8.3
68 6.8 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 66.309 ng
RT: 9.393 min Scan# 1005
Delta R.T. -0.011 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion: 82 Resp: 203404
Ion Ratio Lower Upper
82 100
128 38.3 29.8 44.6
54 47.2 45.8 68.8

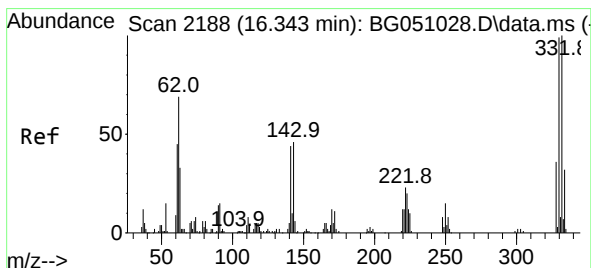
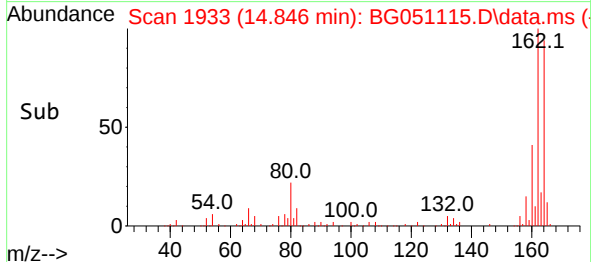
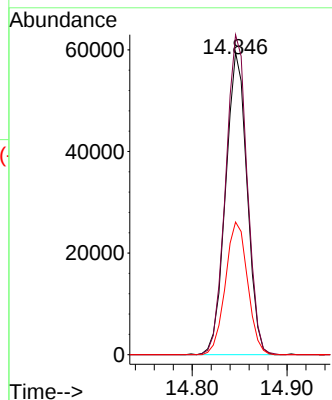
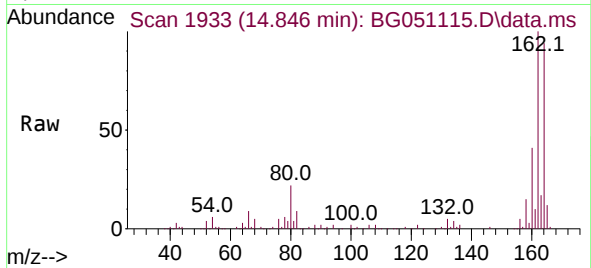




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 1935
Delta R.T. -0.010 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

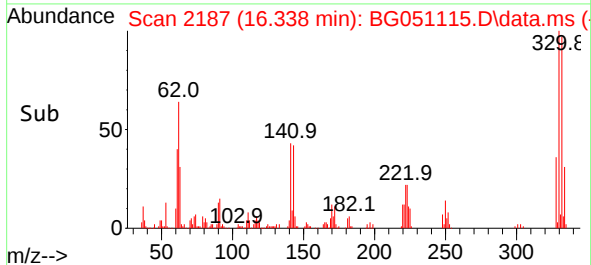
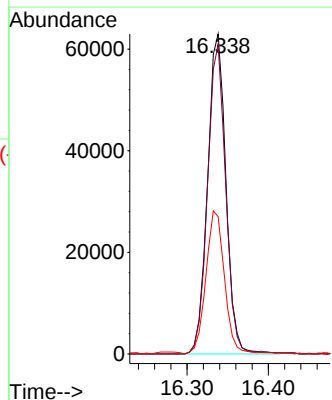
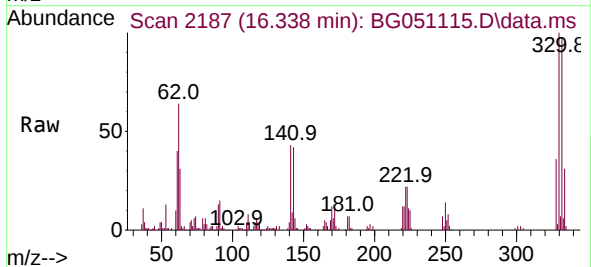
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ClientSampleId :
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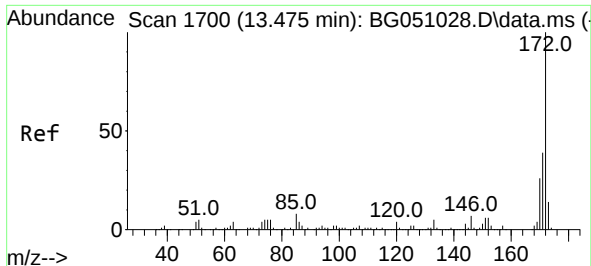
Tgt Ion:164 Resp: 93477
Ion Ratio Lower Upper
164 100
162 105.8 81.4 122.0
160 43.9 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 105.576 ng
RT: 16.338 min Scan# 2187
Delta R.T. -0.005 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:330 Resp: 98761
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 45.7 35.6 53.4

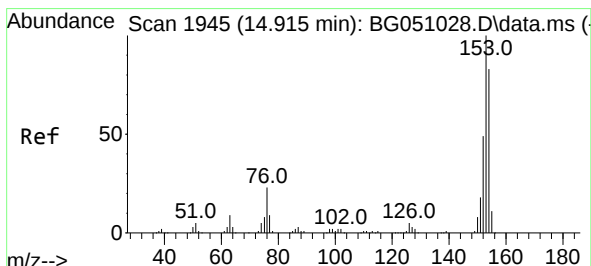
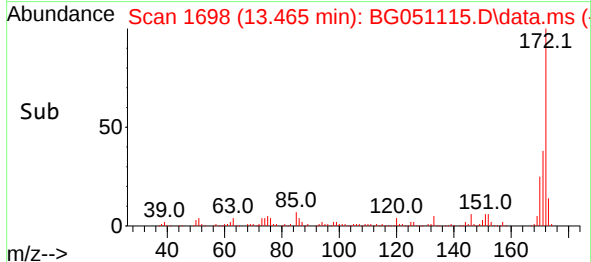
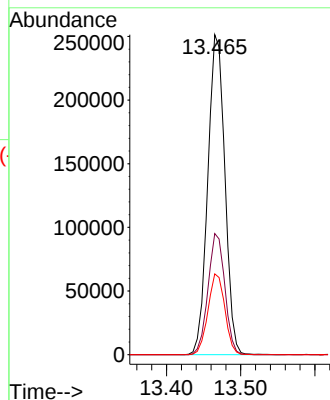
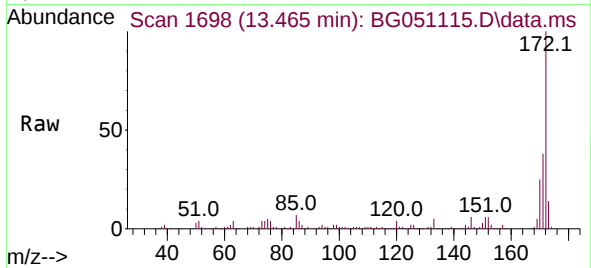




#45
2-Fluorobiphenyl
Concen: 68.059 ng
RT: 13.465 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

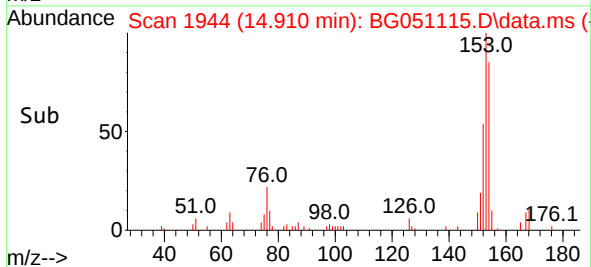
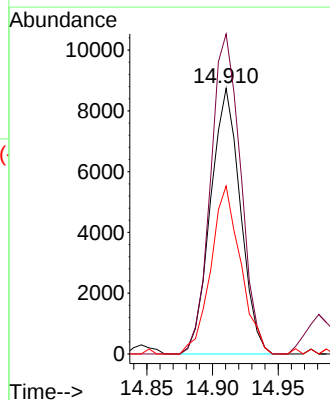
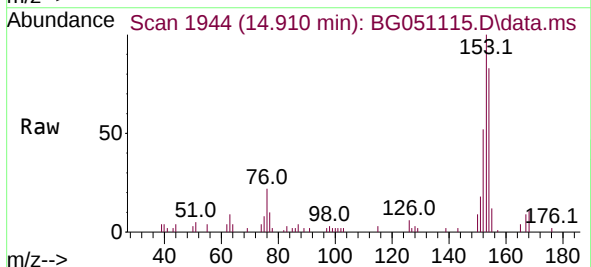
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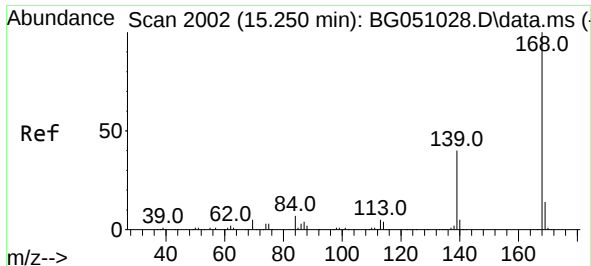
Tgt Ion:172 Resp: 402644
Ion Ratio Lower Upper
172 100
171 37.9 28.6 43.0
170 25.2 18.6 27.8



#52
Acenaphthene
Concen: 2.740 ng
RT: 14.910 min Scan# 1944
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:154 Resp: 13818
Ion Ratio Lower Upper
154 100
153 120.5 87.0 130.4
152 63.2 40.1 60.1#

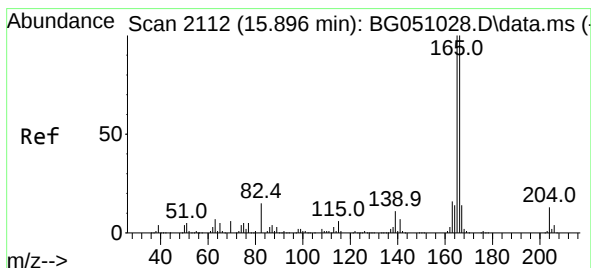
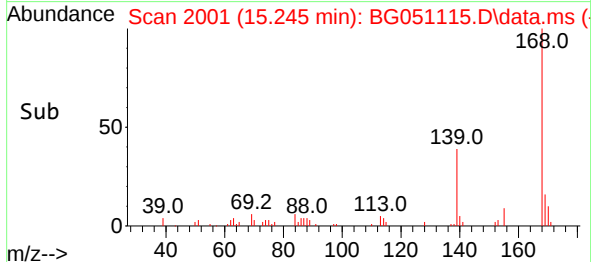
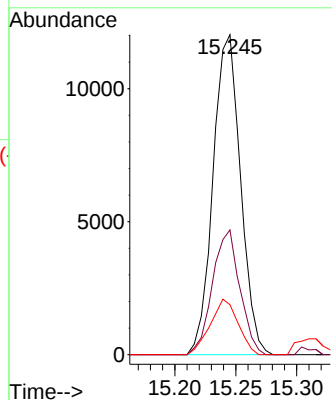
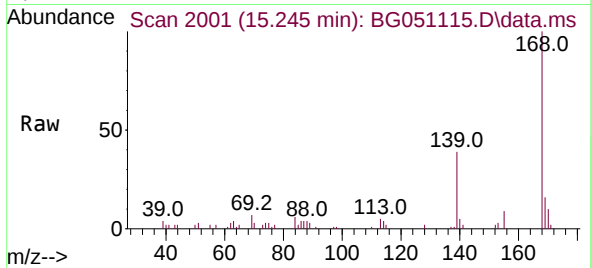




#55
Dibenzofuran
Concen: 2.197 ng
RT: 15.245 min Scan# 2001
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

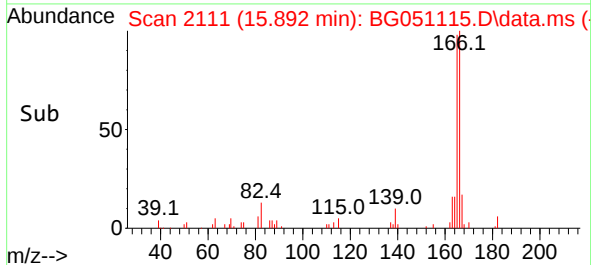
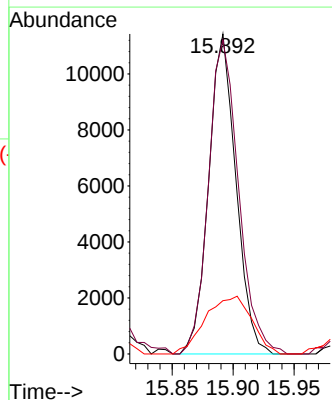
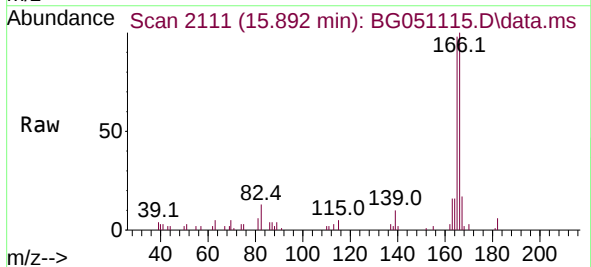
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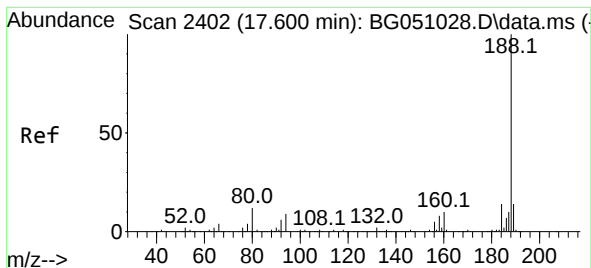
Tgt Ion:168 Resp: 18849
Ion Ratio Lower Upper
168 100
139 39.0 33.4 50.2
169 15.6 12.3 18.5



#58
Fluorene
Concen: 2.661 ng
RT: 15.892 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:166 Resp: 17820
Ion Ratio Lower Upper
166 100
165 98.1 77.7 116.5
167 16.6 10.8 16.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.595 min Scan# 2401

Delta R.T. -0.004 min

Lab File: BG051115.D

Acq: 18 Nov 2021 21:36

Instrument :

BNA_G

ClientSampleId :

4-COMP

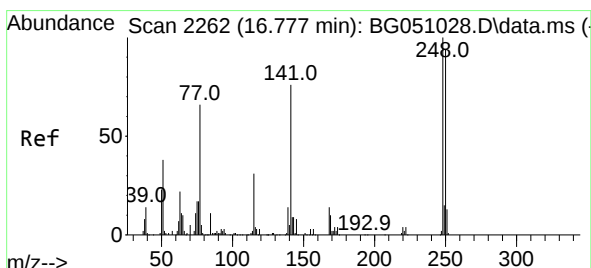
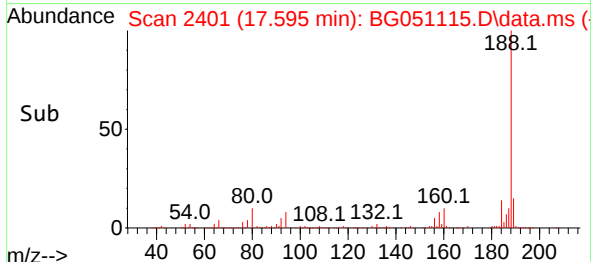
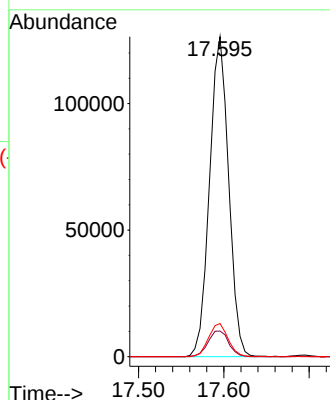
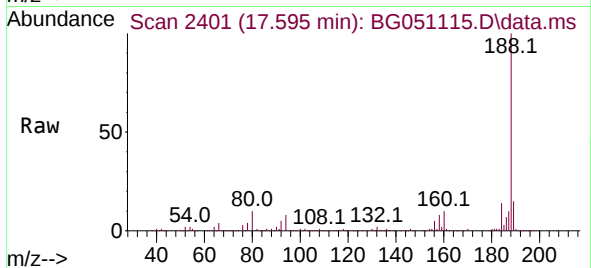
Tgt Ion:188 Resp: 196285

Ion Ratio Lower Upper

188 100

94 8.0 5.4 8.0

80 10.3 3.7 5.5#



#67

4-Bromophenyl-phenylether

Concen: 3.644 ng

RT: 16.338 min Scan# 2187

Delta R.T. -0.439 min

Lab File: BG051115.D

Acq: 18 Nov 2021 21:36

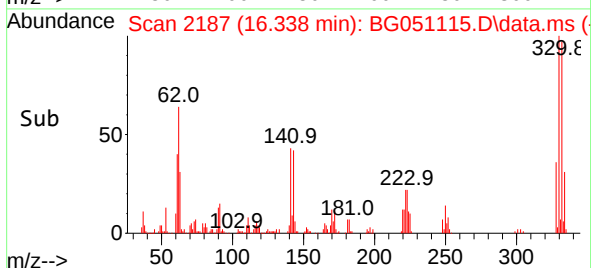
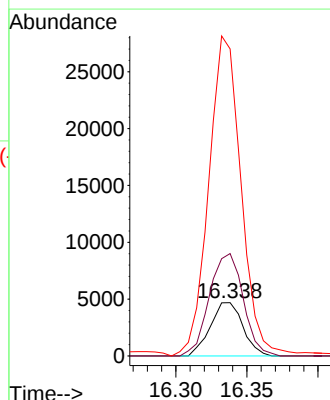
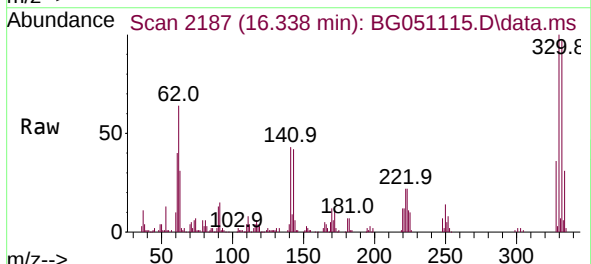
Tgt Ion:248 Resp: 7492

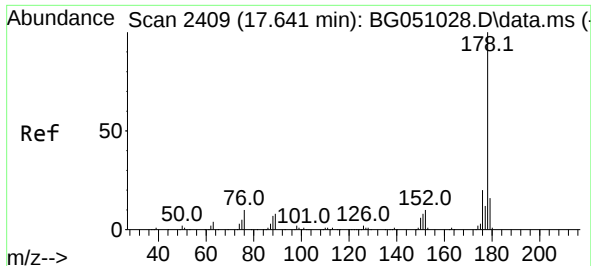
Ion Ratio Lower Upper

248 100

250 192.2 76.1 114.1#

141 576.2 65.4 98.2#

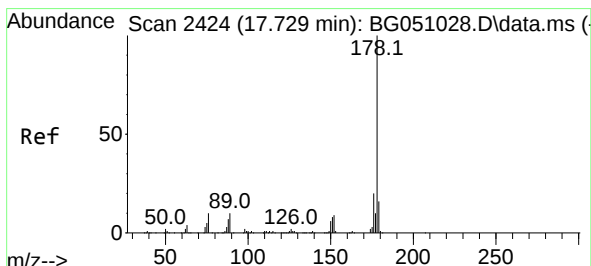
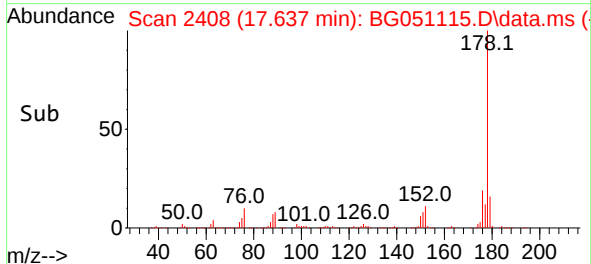
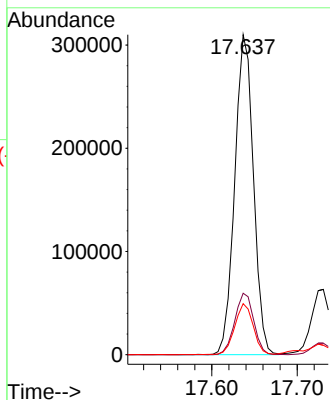
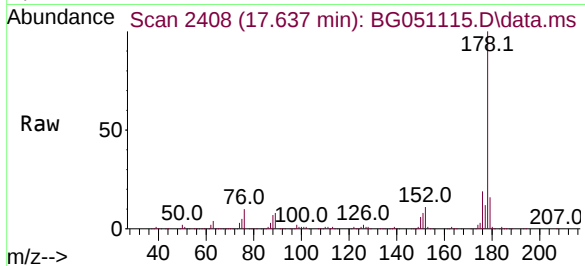




#71
Phenanthrene
Concen: 45.186 ng
RT: 17.637 min Scan# 2409
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

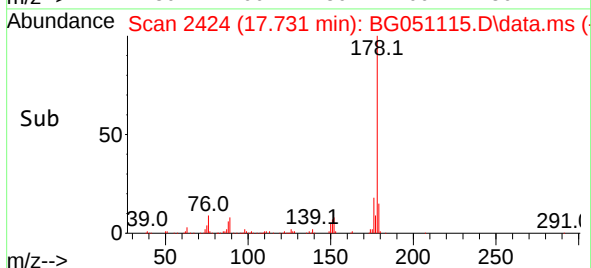
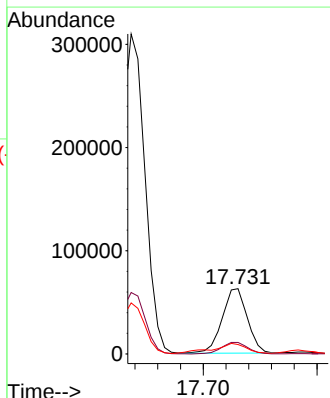
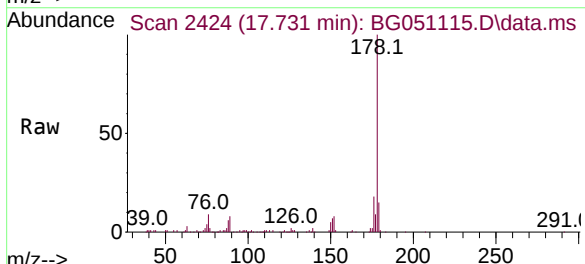
Instrument :
BNA_G
ClientSampleId :
4-COMP

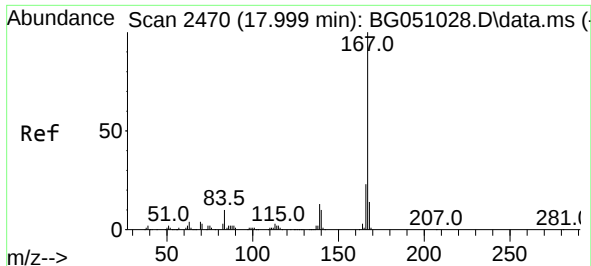
Tgt Ion:178 Resp: 473099
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.9 14.2 21.4



#72
Anthracene
Concen: 9.225 ng
RT: 17.731 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:178 Resp: 96061
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 14.5 13.4 20.0

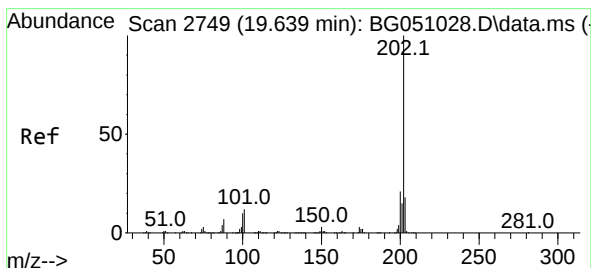
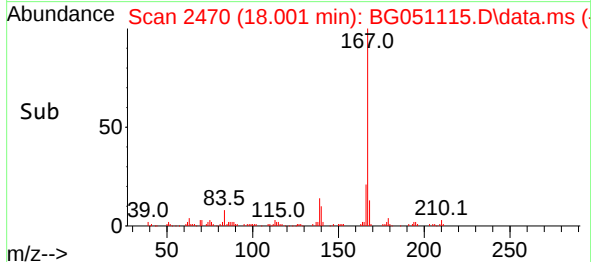
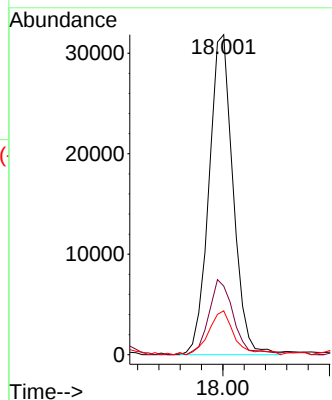
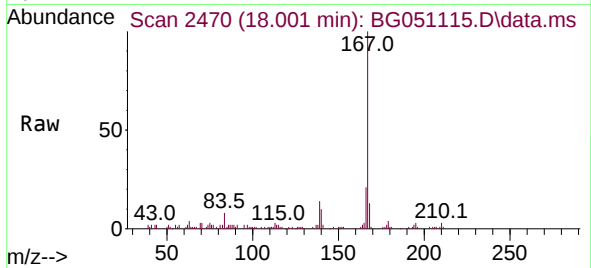




#73
 Carbazole
 Concen: 4.839 ng
 RT: 18.001 min Scan# 2470
 Delta R.T. 0.001 min
 Lab File: BG051115.D
 Acq: 18 Nov 2021 21:36

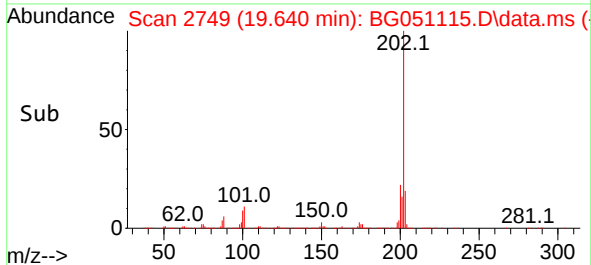
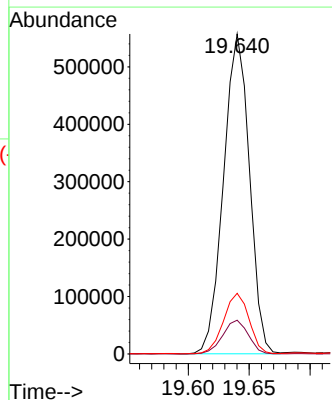
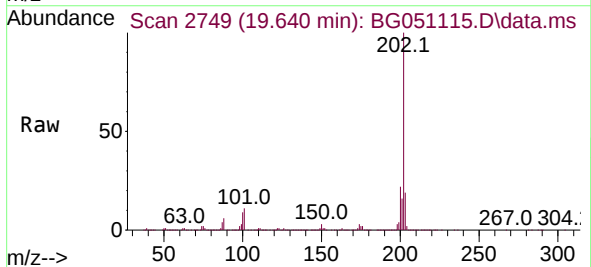
Instrument :
 BNA_G
 ClientSampleId :
 4-COMP

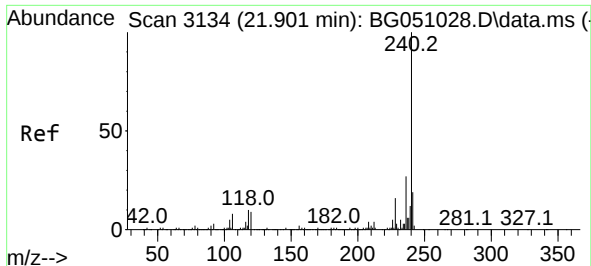
Tgt Ion:167 Resp: 49900
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.2
 139 13.7 10.7 16.1



#75
 Fluoranthene
 Concen: 64.155 ng
 RT: 19.640 min Scan# 2749
 Delta R.T. 0.001 min
 Lab File: BG051115.D
 Acq: 18 Nov 2021 21:36

Tgt Ion:202 Resp: 824078
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 24.7
 203 18.9 0.0 38.5

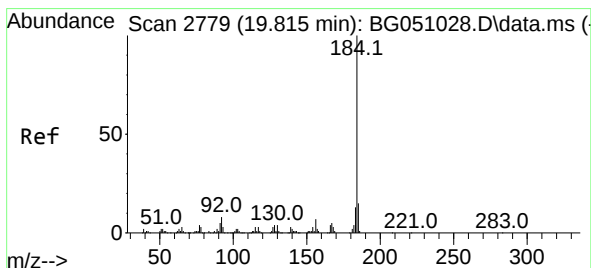
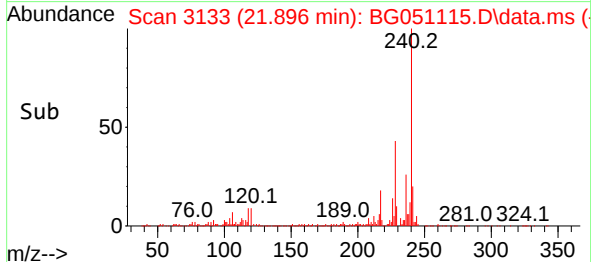
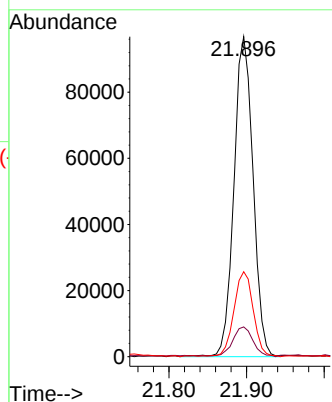
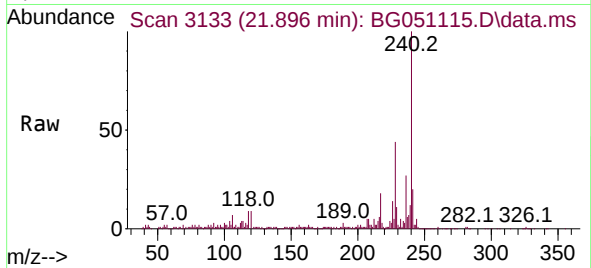




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

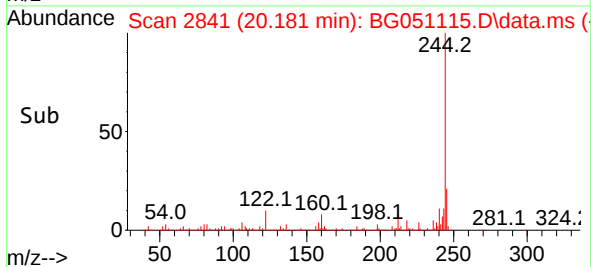
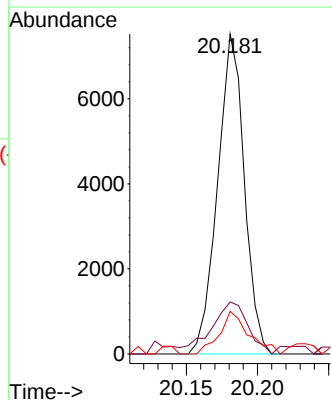
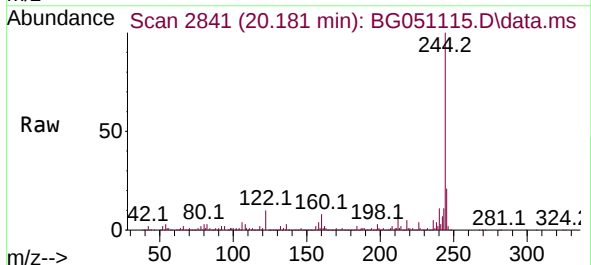
Instrument :
BNA_G
ClientSampleId :
4-COMP

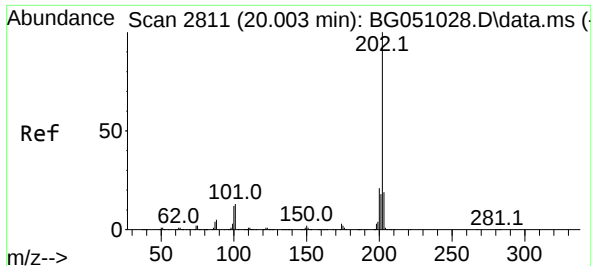
Tgt Ion:240 Resp: 165574
Ion Ratio Lower Upper
240 100
120 9.3 4.2 6.2#
236 26.6 21.8 32.6



#77
Benzidine
Concen: 3.136 ng
RT: 20.181 min Scan# 2841
Delta R.T. 0.366 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:184 Resp: 9814
Ion Ratio Lower Upper
184 100
185 16.2 10.7 16.1#
183 13.3 9.4 14.0

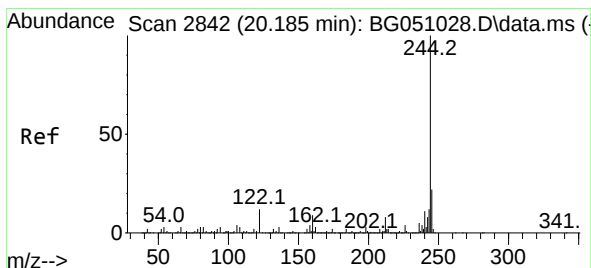
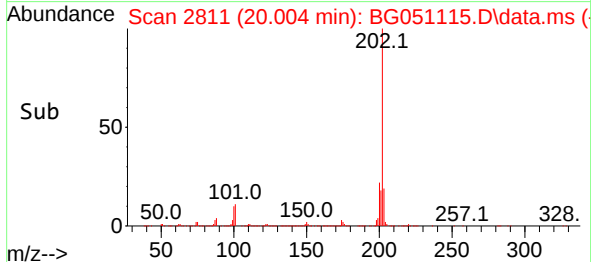
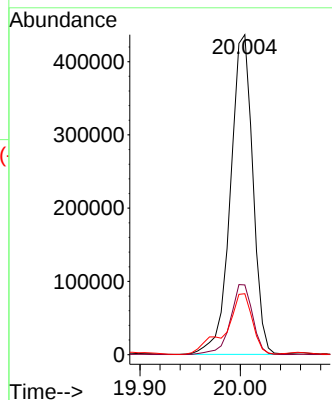
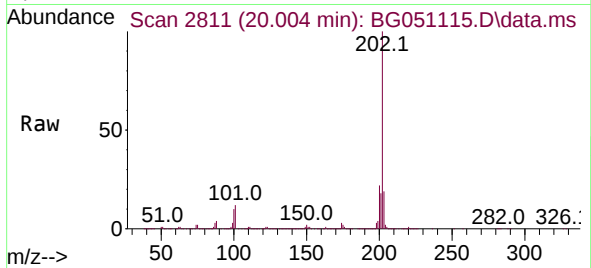




#78
Pyrene
Concen: 54.358 ng
RT: 20.004 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

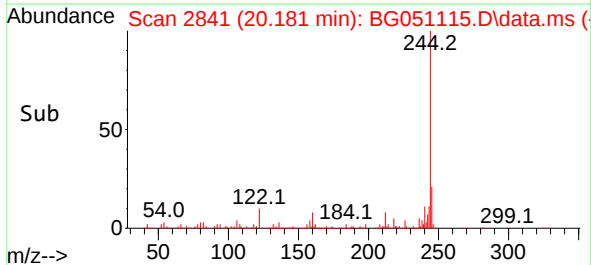
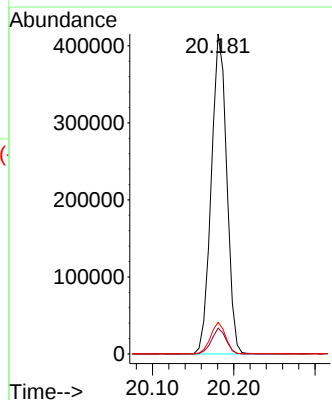
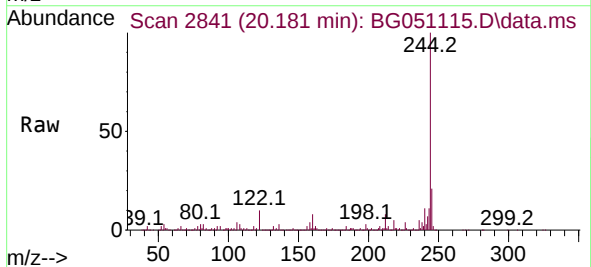
Instrument :
BNA_G
ClientSampleId :
4-COMP

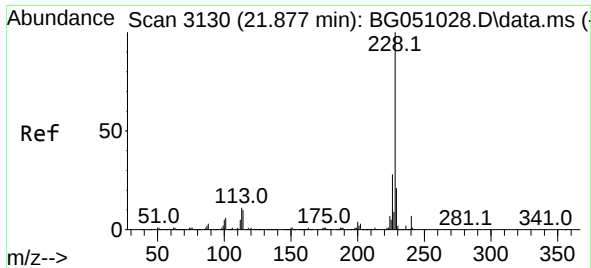
Tgt Ion:202 Resp: 675197
Ion Ratio Lower Upper
202 100
200 21.8 15.8 23.8
203 19.1 14.6 21.8



#79
Terphenyl-d14
Concen: 62.912 ng
RT: 20.181 min Scan# 2841
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:244 Resp: 547001
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 9.9 5.0 7.6#

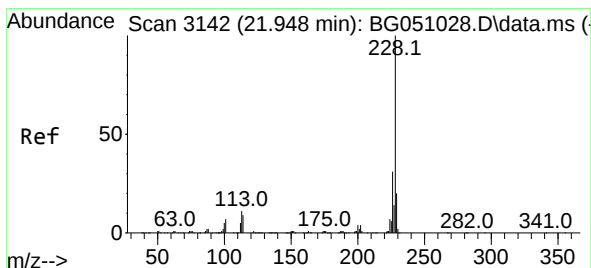
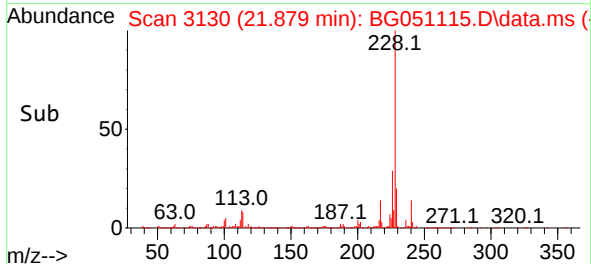
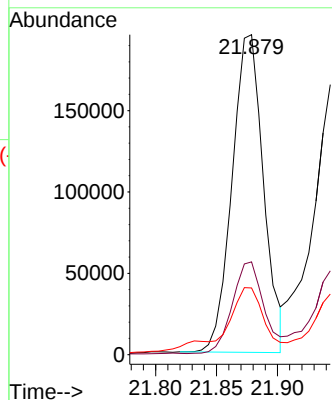
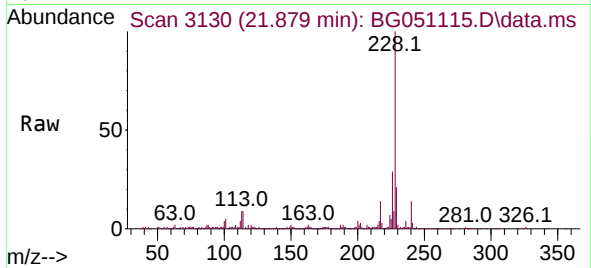




#81
Benzo(a)anthracene
Concen: 30.752 ng
RT: 21.879 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

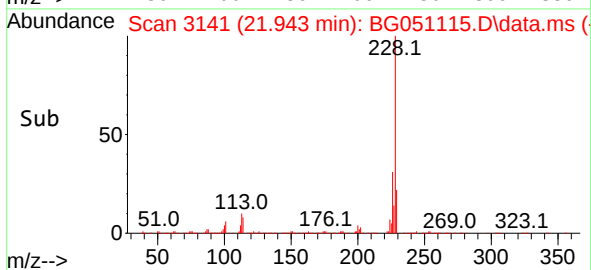
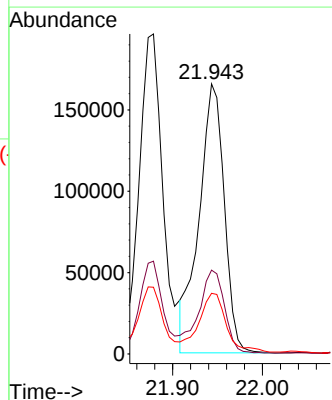
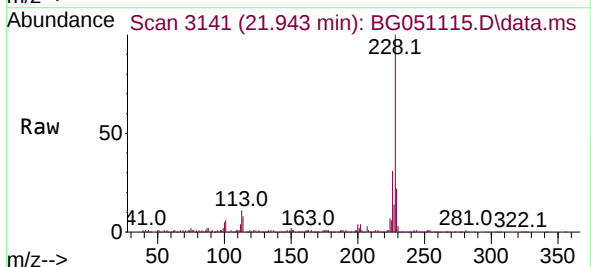
Instrument :
BNA_G
ClientSampleId :
4-COMP

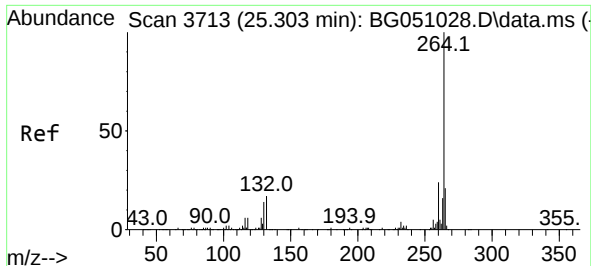
Tgt Ion:228 Resp: 349626
Ion Ratio Lower Upper
228 100
226 29.0 22.7 34.1
229 20.9 16.0 24.0



#83
Chrysene
Concen: 30.155 ng
RT: 21.943 min Scan# 3141
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:228 Resp: 323409
Ion Ratio Lower Upper
228 100
226 31.0 23.1 34.7
229 22.5 15.3 22.9

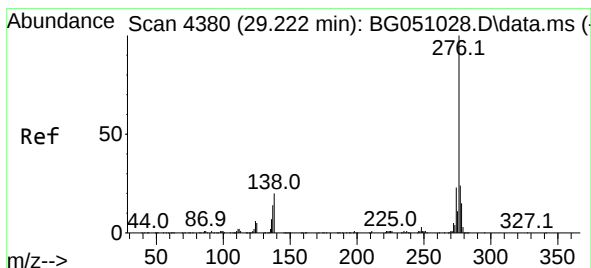
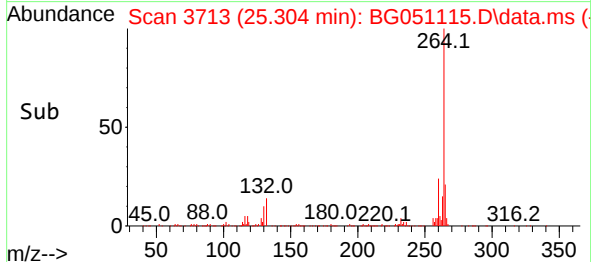
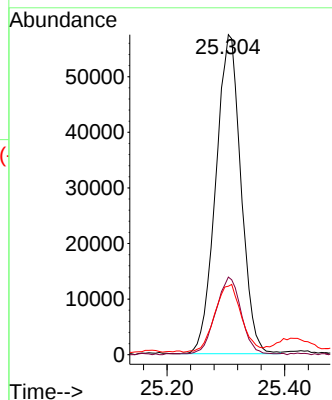
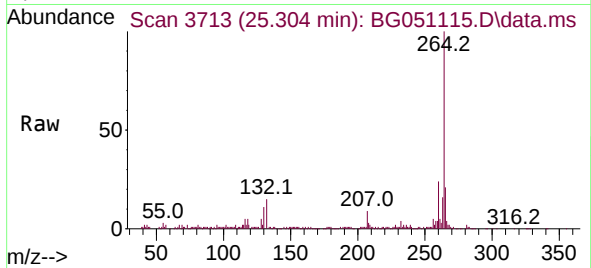




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.304 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

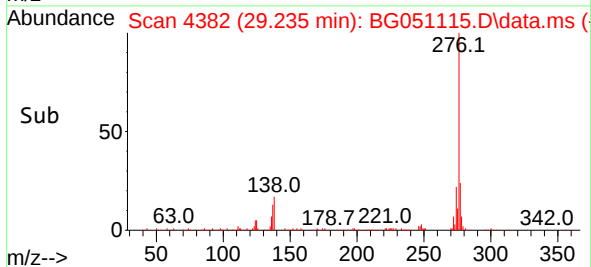
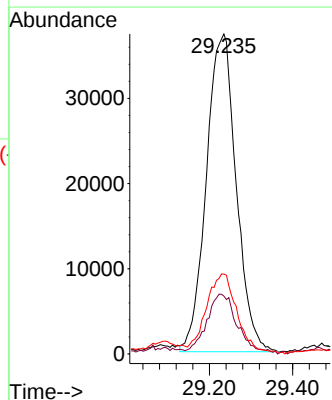
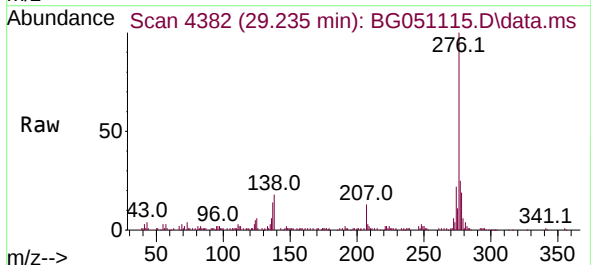
Instrument :
BNA_G
ClientSampleId :
4-COMP

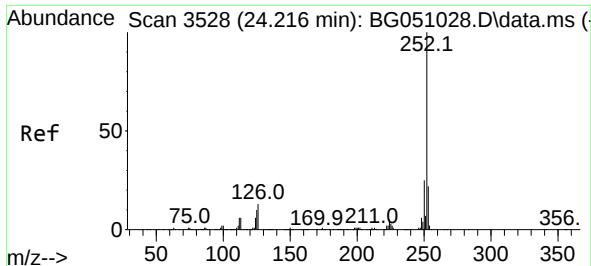
Tgt Ion:264 Resp: 170326
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.4 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.389 ng
RT: 29.235 min Scan# 4382
Delta R.T. 0.013 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:276 Resp: 186045
Ion Ratio Lower Upper
276 100
138 19.6 5.1 7.7#
277 26.4 19.8 29.6

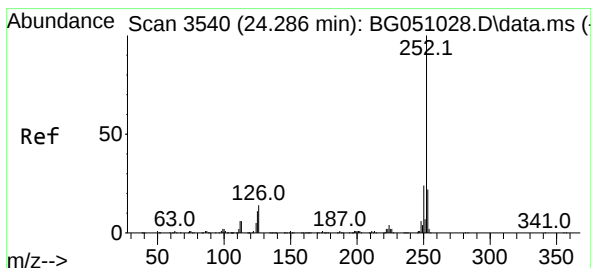
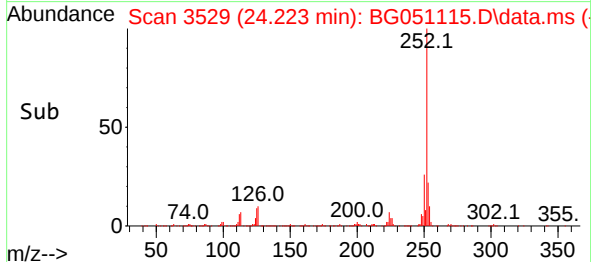
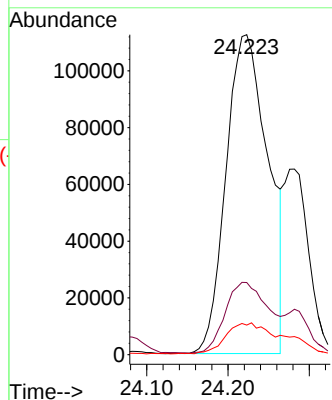
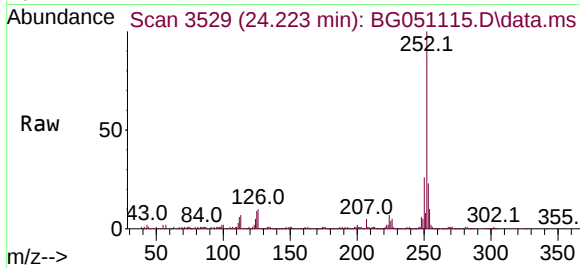




#88
Benzo(b)fluoranthene
Concen: 37.739 ng
RT: 24.223 min Scan# 3529
Delta R.T. 0.007 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

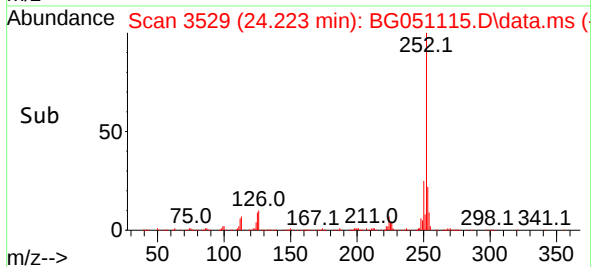
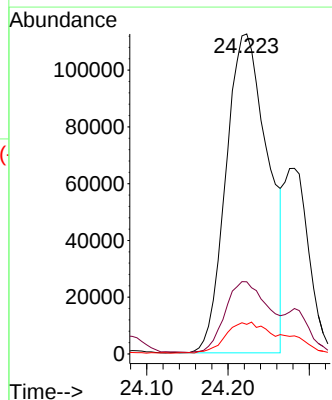
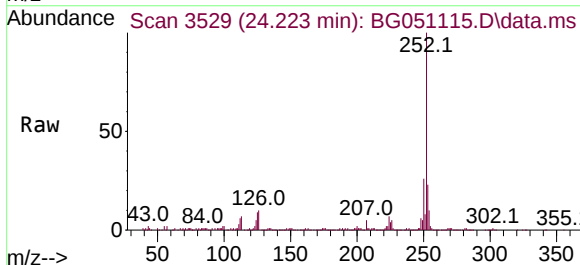
Instrument :
BNA_G
ClientSampleId :
4-COMP

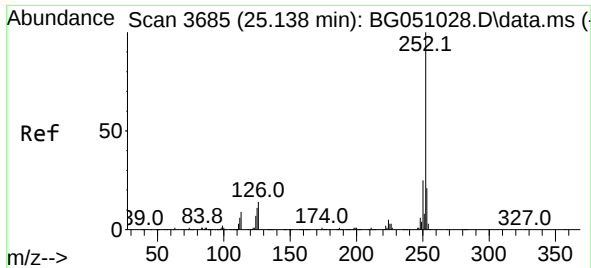
Tgt Ion:252 Resp: 404613
Ion Ratio Lower Upper
252 100
253 22.6 16.2 24.4
125 9.3 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 37.839 ng
RT: 24.223 min Scan# 3529
Delta R.T. -0.063 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:252 Resp: 404613
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 9.3 3.1 4.7#

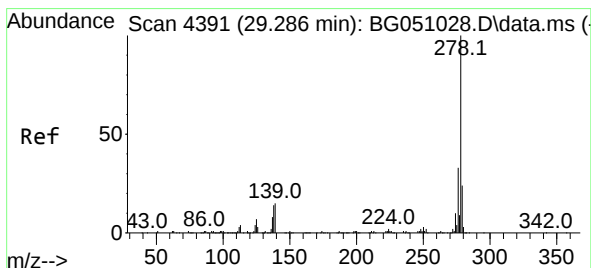
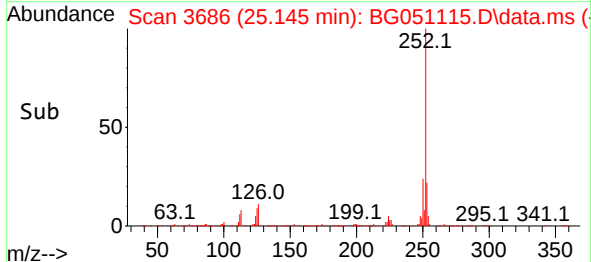
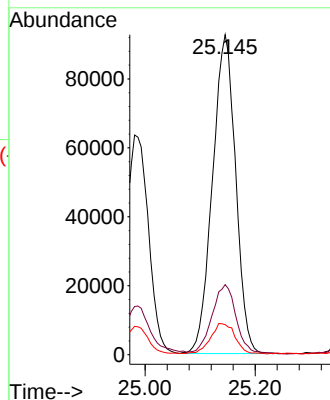
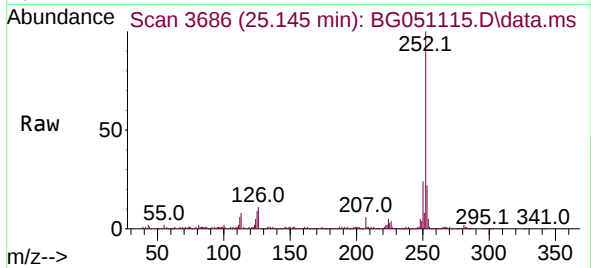




#90
Benzo(a)pyrene
Concen: 29.463 ng
RT: 25.145 min Scan# 30
Delta R.T. 0.007 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

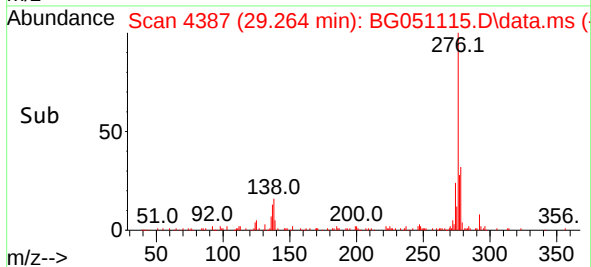
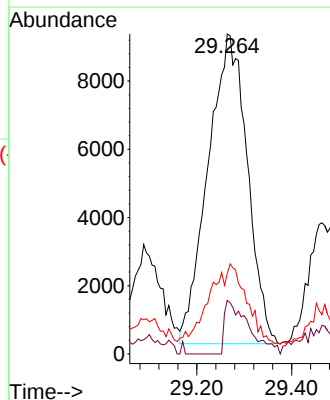
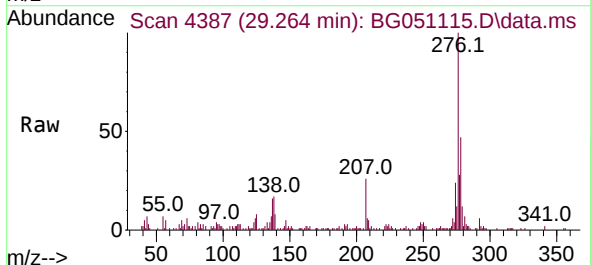
Instrument :
BNA_G
ClientSampleId :
4-COMP

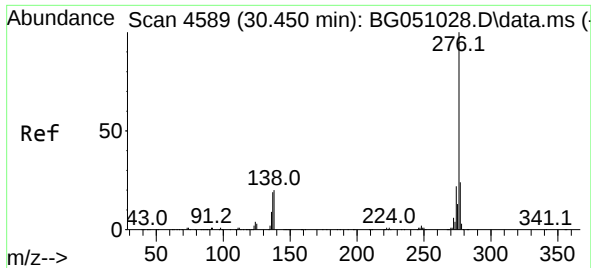
Tgt Ion:252 Resp: 269677
Ion Ratio Lower Upper
252 100
253 21.9 16.6 25.0
125 9.4 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 5.244 ng
RT: 29.264 min Scan# 4387
Delta R.T. -0.022 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:278 Resp: 52195
Ion Ratio Lower Upper
278 100
139 16.8 4.6 6.8#
279 25.1 17.9 26.9





#92
 Benzo(g,h,i)perylene
 Concen: 17.092 ng
 RT: 30.457 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: BG051115.D
 Acq: 18 Nov 2021 21:36

Instrument :
 BNA_G
 ClientSampleId :
 4-COMP

Tgt Ion:276 Resp: 167423
 Ion Ratio Lower Upper
 276 100
 277 23.7 18.4 27.6
 138 17.8 7.0 10.6#

