

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051112.D
 Acq On : 18 Nov 2021 19:32
 Operator : CG/JU
 Sample : M4695-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 351

Quant Time: Nov 19 01:37:12 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)

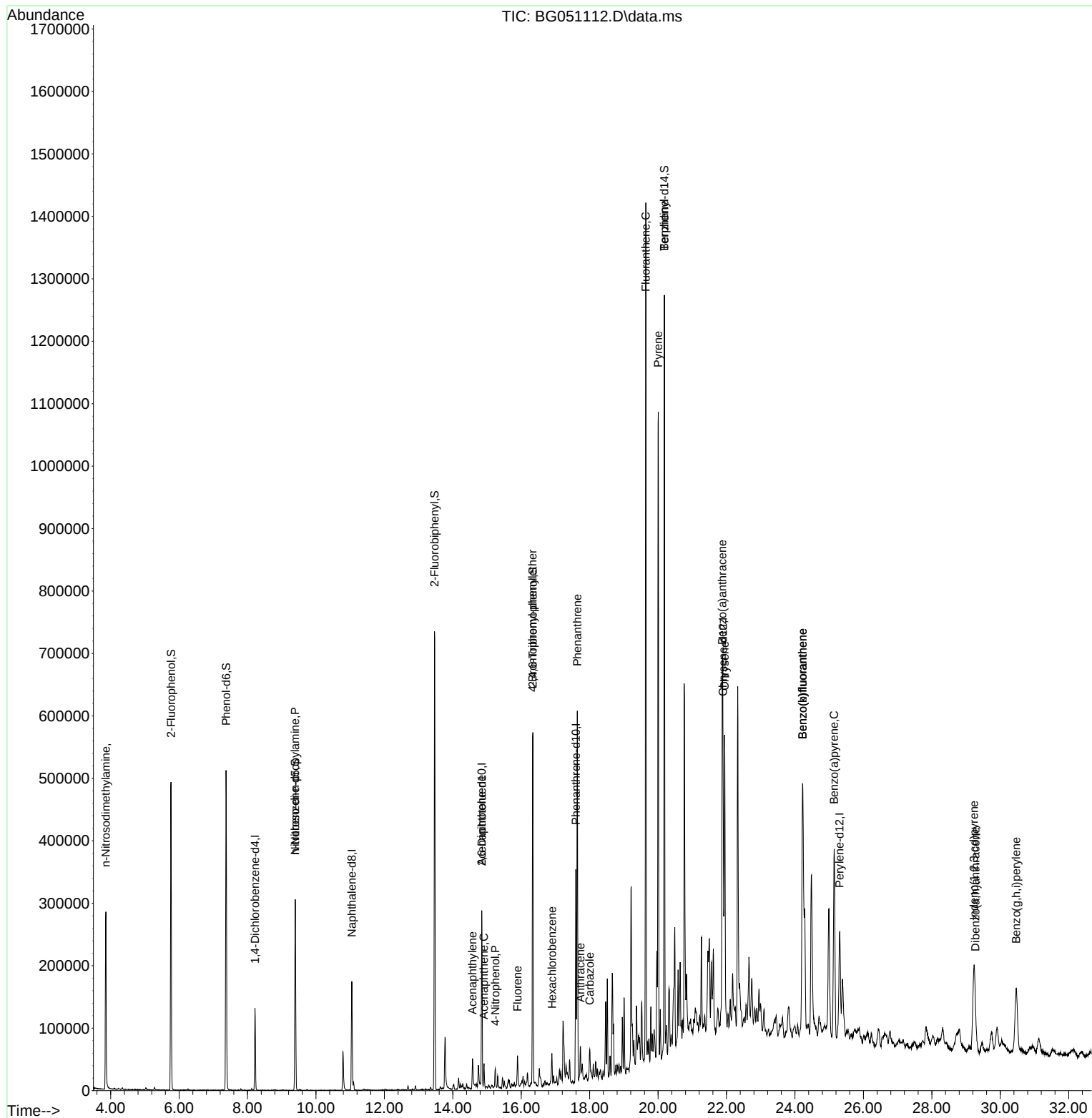
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	35735	20.000	ng	-0.01
21) Naphthalene-d8	11.044	136	152714	20.000	ng	#-0.01
39) Acenaphthene-d10	14.846	164	99859	20.000	ng	-0.01
64) Phenanthrene-d10	17.596	188	205858	20.000	ng	# 0.00
76) Chrysene-d12	21.896	240	176219	20.000	ng	# 0.00
86) Perylene-d12	25.304	264	176410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	223045	93.369	ng	0.00
7) Phenol-d6	7.372	99	304762	90.387	ng	0.00
23) Nitrobenzene-d5	9.393	82	202999	58.842	ng	-0.01
42) 2,4,6-Tribromophenol	16.338	330	90878	90.940	ng	0.00
45) 2-Fluorobiphenyl	13.465	172	380452	60.198	ng	0.00
79) Terphenyl-d14	20.181	244	541461	58.513	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.859	42	10825	7.695	ng	# 1
19) n-Nitroso-di-n-propyla...	9.393	70	27362	10.981	ng	# 68
49) Acenaphthylene	14.576	152	53291	5.763	ng	95
51) 2,6-Dinitrotoluene	14.846	165	13300	8.225	ng	# 13
52) Acenaphthene	14.911	154	12771	2.370	ng	# 89
56) 4-Nitrophenol	15.245	139	5615	3.884	ng	# 1
58) Fluorene	15.892	166	22097	3.089	ng	99
67) 4-Bromophenyl-phenylether	16.332	248	7031	3.261	ng	# 1
68) Hexachlorobenzene	16.896	284	4777	2.251	ng	# 92
71) Phenanthrene	17.637	178	363754	33.127	ng	97
72) Anthracene	17.731	178	36650	3.356	ng	96
73) Carbazole	18.001	167	28703	2.654	ng	97
75) Fluoranthene	19.640	202	836289	62.078	ng	96
77) Benzidine	20.181	184	9158	2.749	ng	# 87
78) Pyrene	20.005	202	663064	50.157	ng	97
81) Benzo(a)anthracene	21.873	228	350267	28.948	ng	99
83) Chrysene	21.944	228	352843	30.912	ng	94
87) Indeno(1,2,3-cd)pyrene	29.235	276	242753	19.387	ng	# 91
88) Benzo(b)fluoranthene	24.223	252	504382	45.422	ng	# 92
89) Benzo(k)fluoranthene	24.223	252	504382	45.543	ng	# 96
90) Benzo(a)pyrene	25.146	252	329981	34.808	ng	# 92
91) Dibenzo(a,h)anthracene	29.270	278	67731	6.570	ng	# 81
92) Benzo(g,h,i)perylene	30.469	276	207065	20.410	ng	# 91

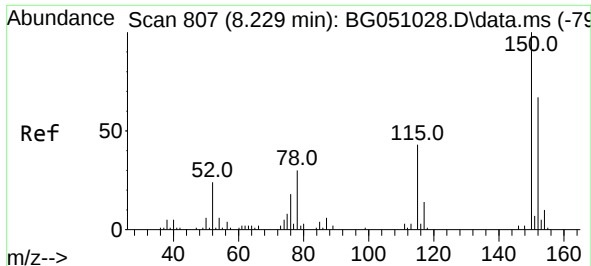
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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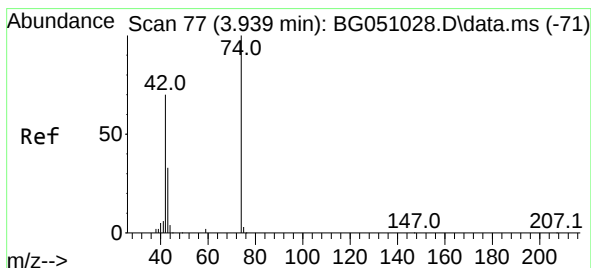
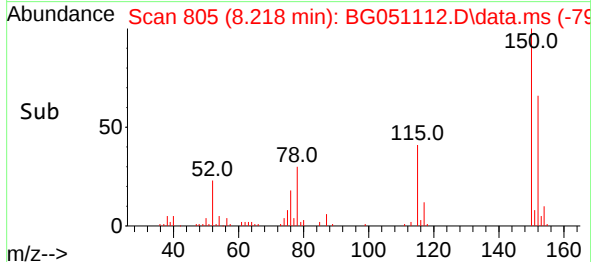
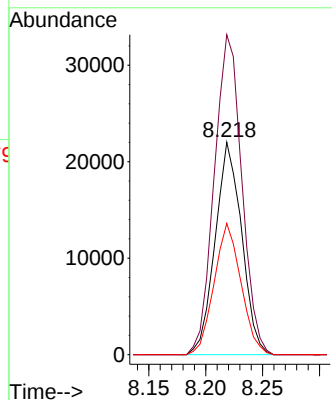
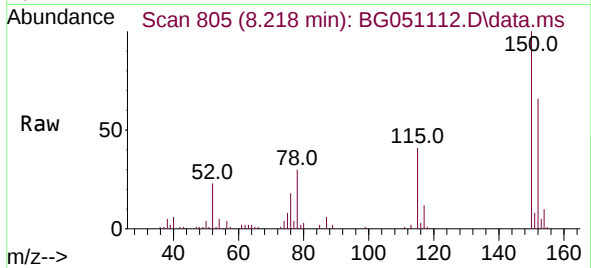




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 80
Delta R.T. -0.011 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

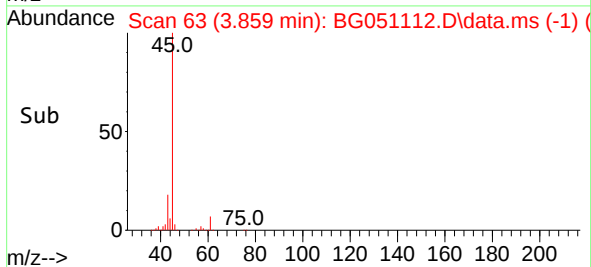
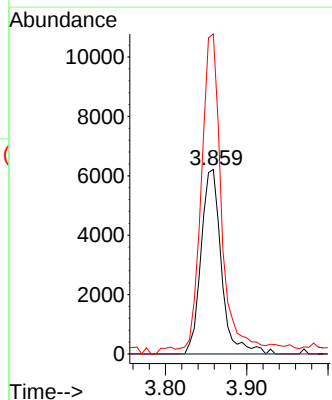
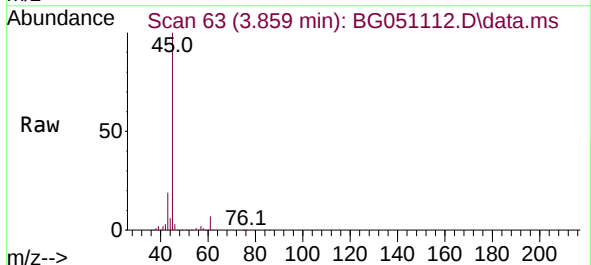
Instrument :
BNA_G
ClientSampleId :
351

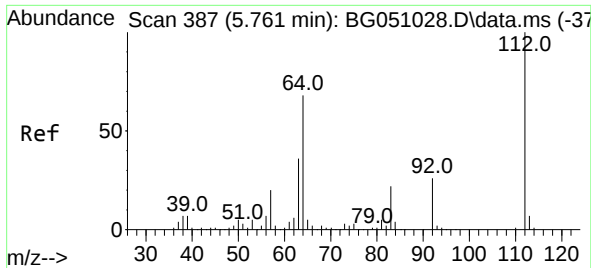
Tgt Ion:152 Resp: 35735
Ion Ratio Lower Upper
152 100
150 150.6 119.4 179.0
115 61.8 60.2 90.4



#4
n-Nitrosodimethylamine
Concen: 7.695 ng
RT: 3.859 min Scan# 63
Delta R.T. -0.081 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion: 42 Resp: 10825
Ion Ratio Lower Upper
42 100
74 0.0 64.0 96.0#
44 173.5 2.7 4.1#

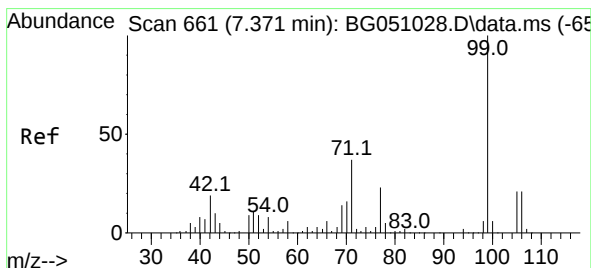
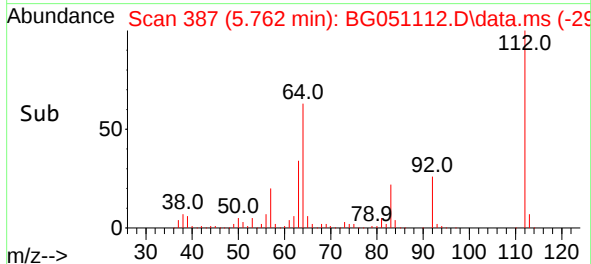
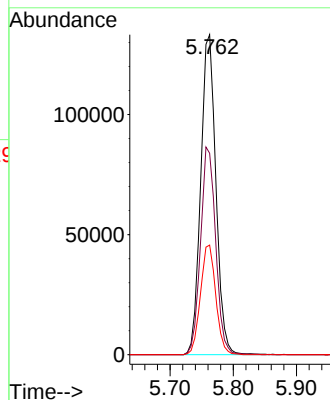
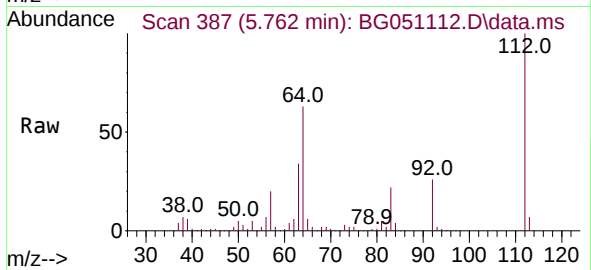




#5
2-Fluorophenol
Concen: 93.369 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

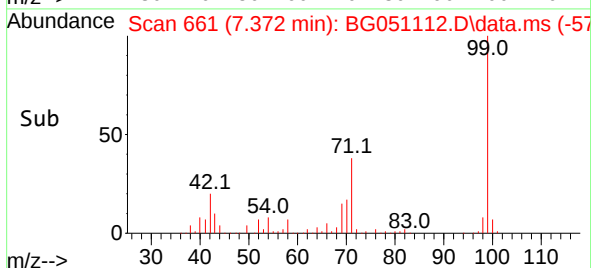
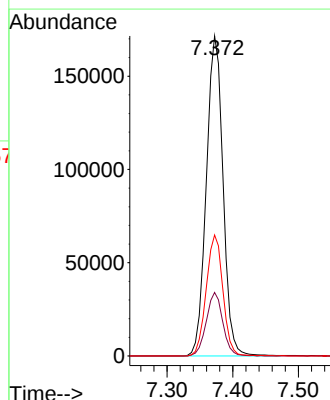
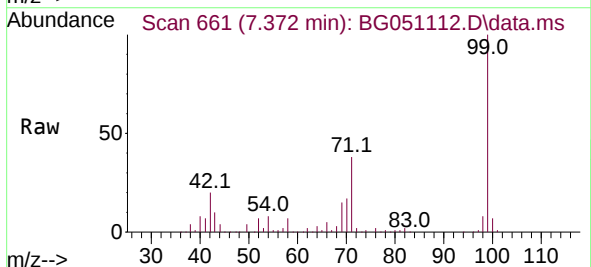
Instrument :
BNA_G
ClientSampleId :
351

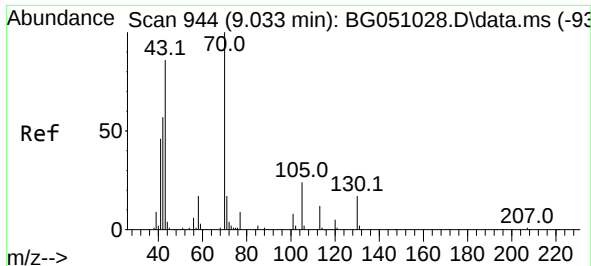
Tgt Ion:112 Resp: 223045
Ion Ratio Lower Upper
112 100
64 62.9 46.7 70.1
63 34.3 35.3 52.9#



#7
Phenol-d6
Concen: 90.387 ng
RT: 7.372 min Scan# 661
Delta R.T. 0.001 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion: 99 Resp: 304762
Ion Ratio Lower Upper
99 100
42 19.9 20.5 30.7#
71 37.8 41.5 62.3#

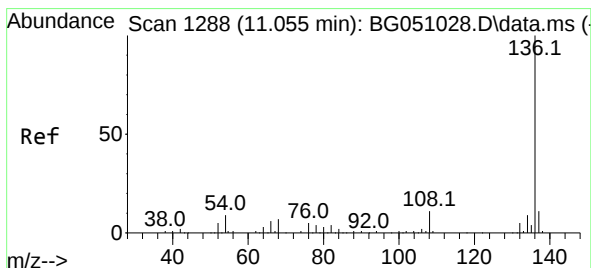
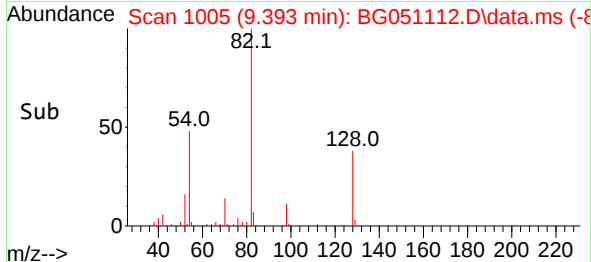
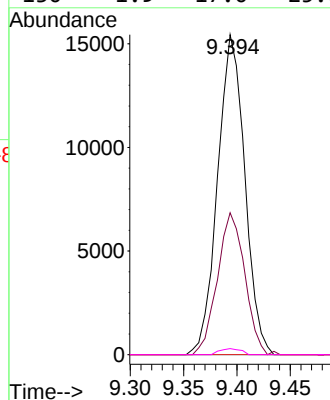
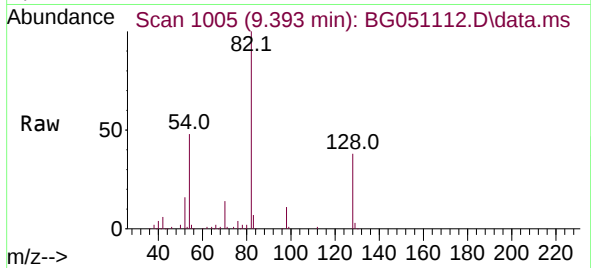




#19
n-Nitroso-di-n-propylamine
Concen: 10.981 ng
RT: 9.393 min Scan# 1005
Delta R.T. 0.360 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

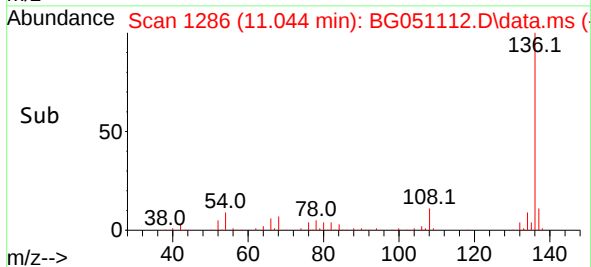
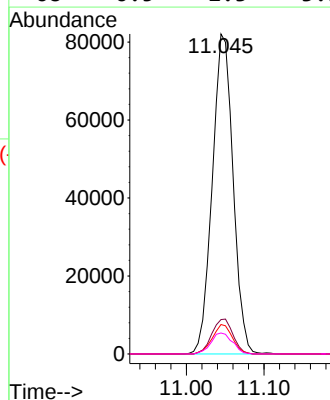
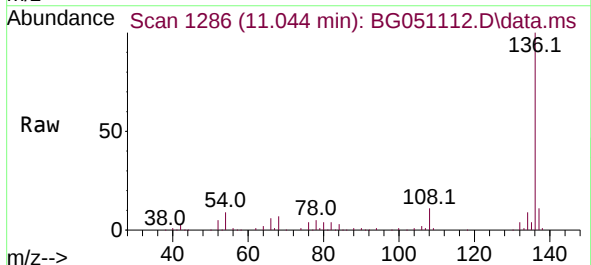
Instrument :
BNA_G
ClientSampleId :
351

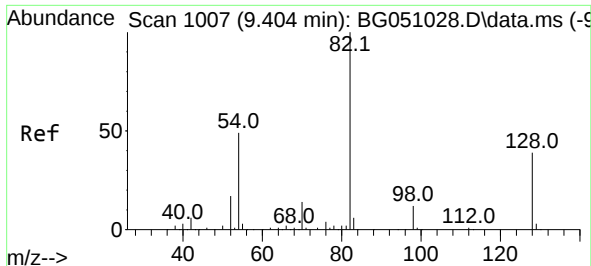
Tgt Ion:	70	Resp:	27362
Ion Ratio	Lower	Upper	
70	100		
42	44.4	54.5	81.7#
101	0.0	9.0	13.6#
130	1.9	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1286
Delta R.T. -0.010 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:	136	Resp:	152714
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.2	12.2
54	9.2	5.5	8.3#
68	6.5	2.3	3.5#





#23

Nitrobenzene-d5

Concen: 58.842 ng

RT: 9.393 min Scan# 1005

Delta R.T. -0.011 min

Lab File: BG051112.D

Acq: 18 Nov 2021 19:32

Instrument :

BNA_G

ClientSampleId :

351

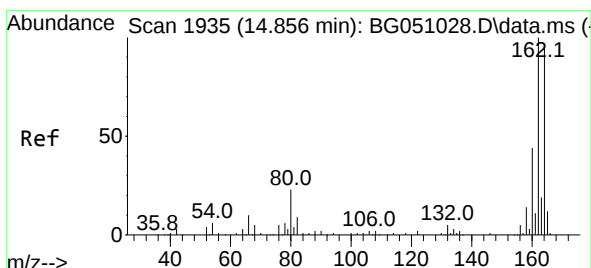
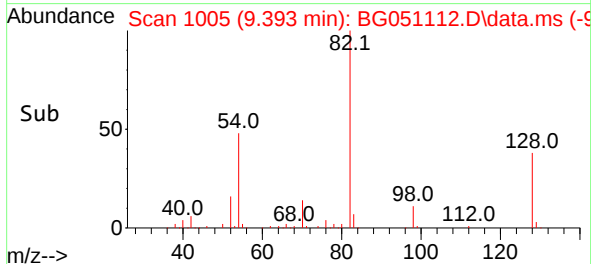
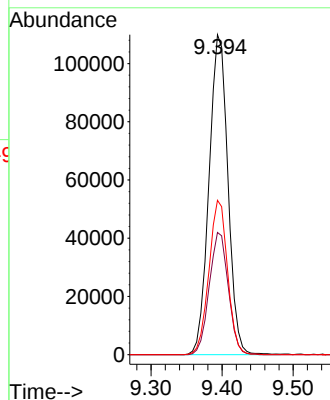
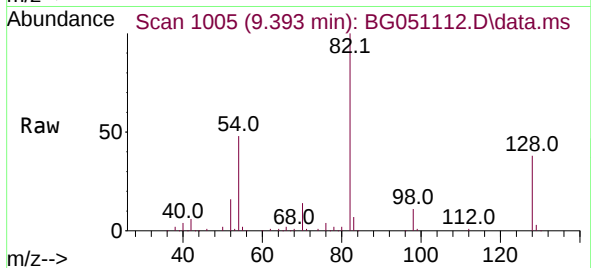
Tgt Ion: 82 Resp: 202999

Ion Ratio Lower Upper

82 100

128 38.2 29.8 44.6

54 48.3 45.8 68.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.846 min Scan# 1933

Delta R.T. -0.010 min

Lab File: BG051112.D

Acq: 18 Nov 2021 19:32

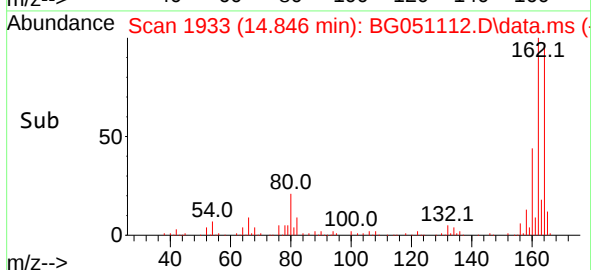
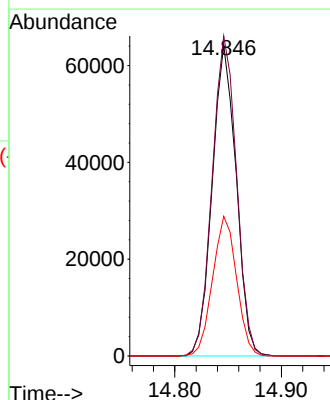
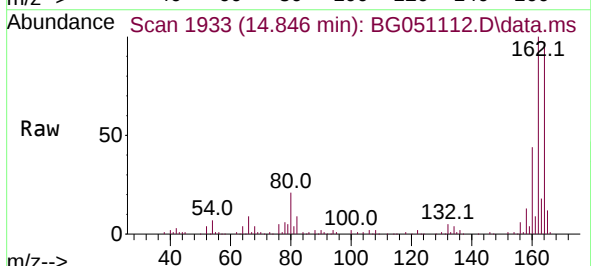
Tgt Ion: 164 Resp: 99859

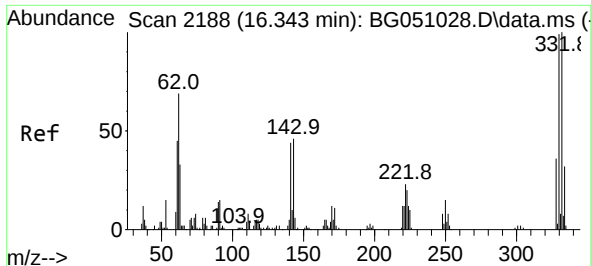
Ion Ratio Lower Upper

164 100

162 102.9 81.4 122.0

160 44.9 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 90.940 ng

RT: 16.338 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG051112.D

Acq: 18 Nov 2021 19:32

Instrument :

BNA_G

ClientSampleId :

351

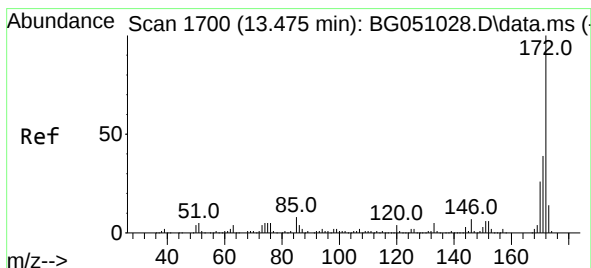
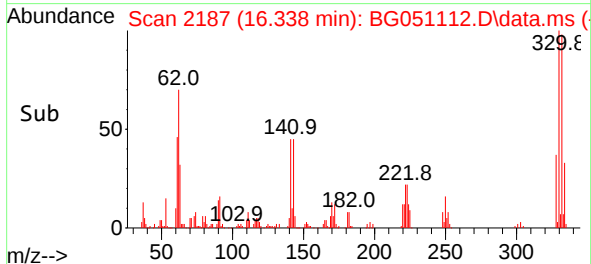
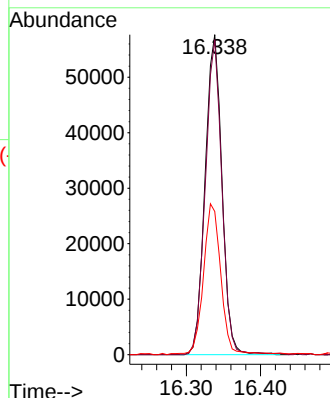
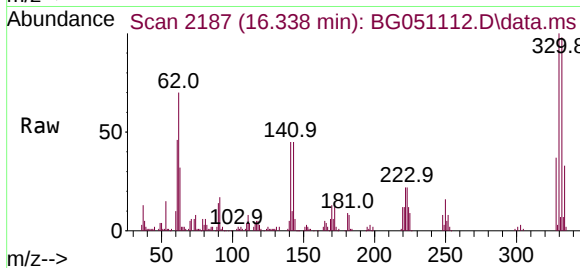
Tgt Ion:330 Resp: 90878

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 48.9 35.6 53.4



#45

2-Fluorobiphenyl

Concen: 60.198 ng

RT: 13.465 min Scan# 1698

Delta R.T. -0.010 min

Lab File: BG051112.D

Acq: 18 Nov 2021 19:32

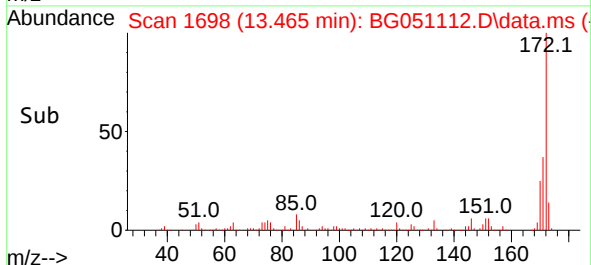
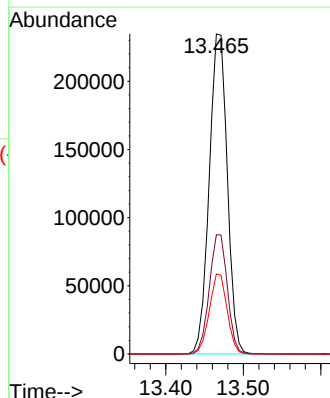
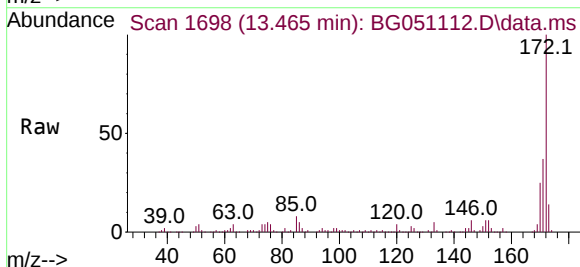
Tgt Ion:172 Resp: 380452

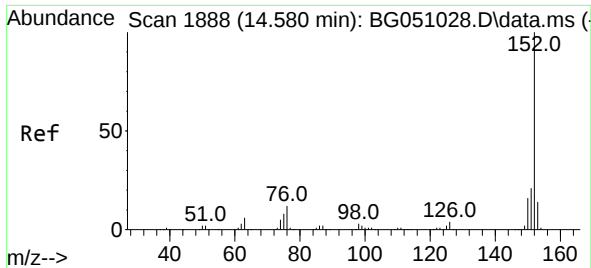
Ion Ratio Lower Upper

172 100

171 37.2 28.6 43.0

170 25.0 18.6 27.8

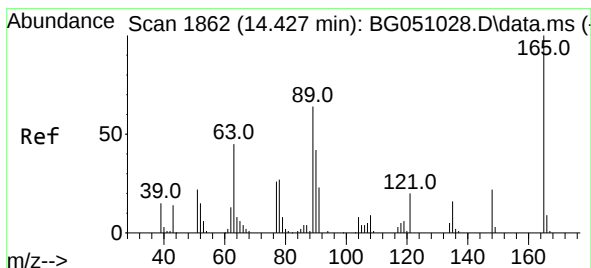
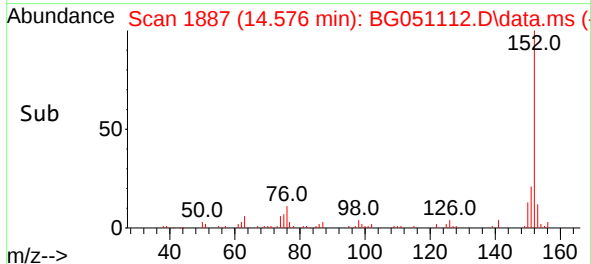
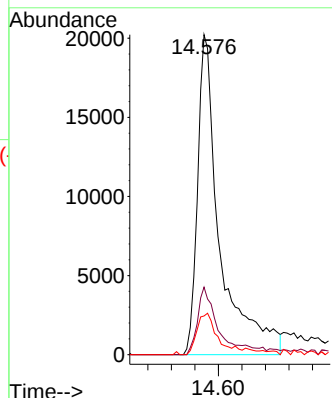
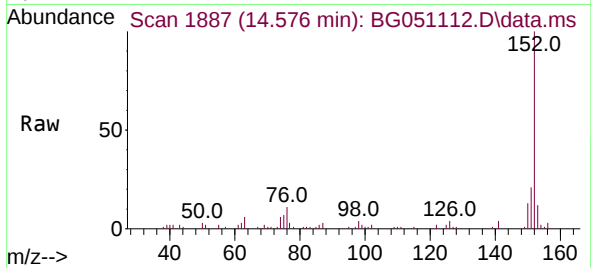




#49
Acenaphthylene
Concen: 5.763 ng
RT: 14.576 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

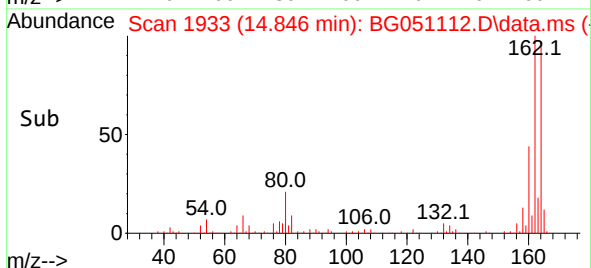
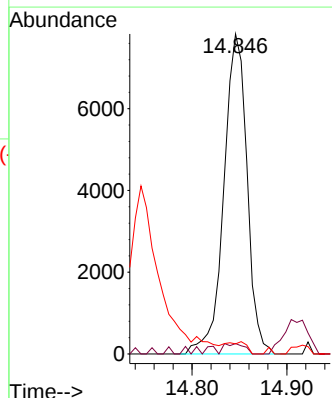
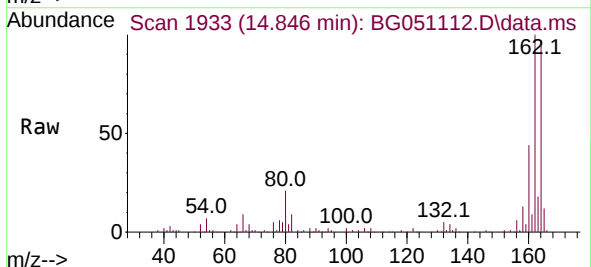
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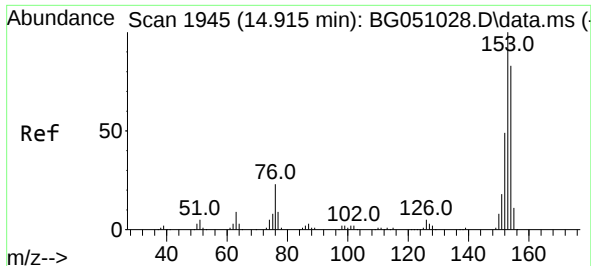
Tgt Ion:152 Resp: 53291
Ion Ratio Lower Upper
152 100
151 21.1 18.2 27.4
153 12.1 11.7 17.5



#51
2,6-Dinitrotoluene
Concen: 8.225 ng
RT: 14.846 min Scan# 1933
Delta R.T. 0.419 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:165 Resp: 13300
Ion Ratio Lower Upper
165 100
63 3.2 63.3 94.9#
89 3.1 63.4 95.0#

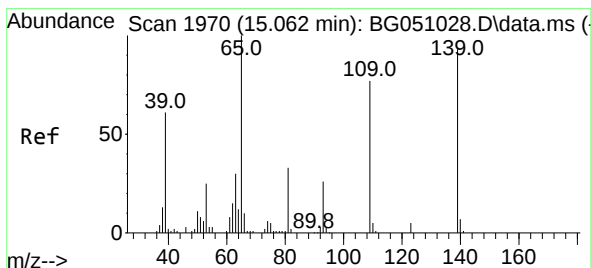
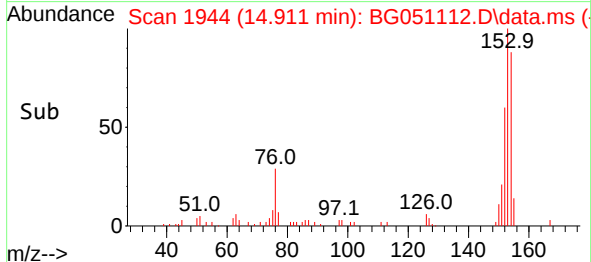
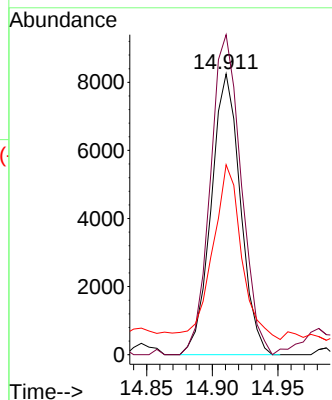
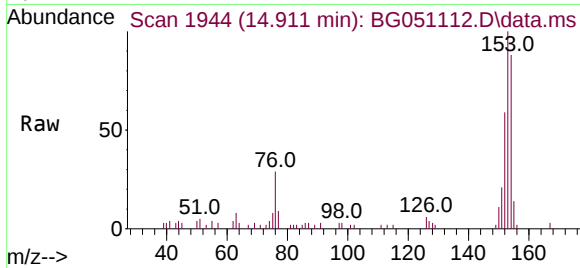




#52
Acenaphthene
Concen: 2.370 ng
RT: 14.911 min Scan# 1945
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

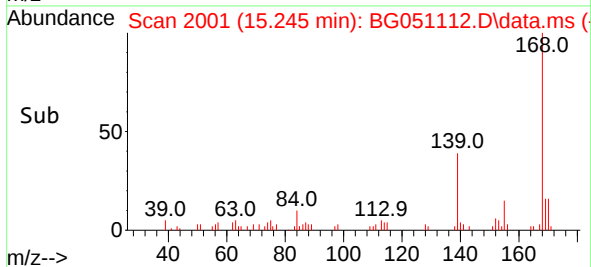
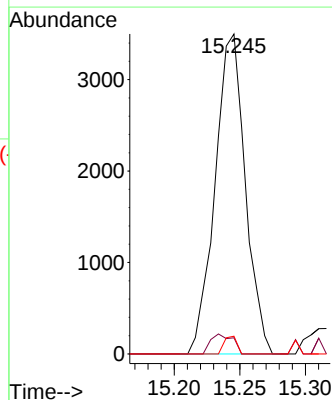
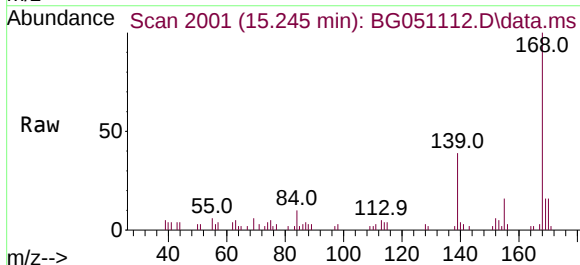
Instrument :
BNA_G
ClientSampleId :
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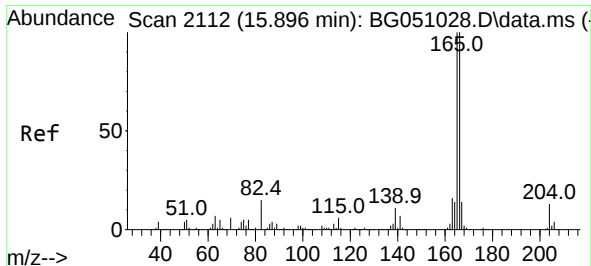
Tgt Ion:154 Resp: 12771
Ion Ratio Lower Upper
154 100
153 114.0 87.0 130.4
152 67.6 40.1 60.1#



#56
4-Nitrophenol
Concen: 3.884 ng
RT: 15.245 min Scan# 2001
Delta R.T. 0.184 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:139 Resp: 5615
Ion Ratio Lower Upper
139 100
109 5.0 116.3 156.3#
65 5.5 105.0 145.0#

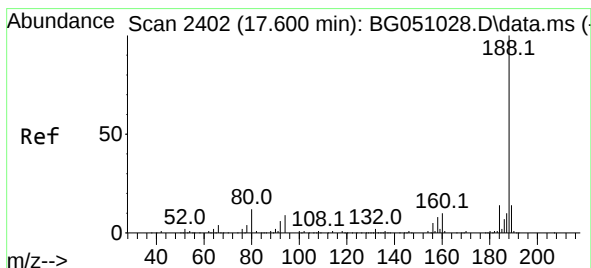
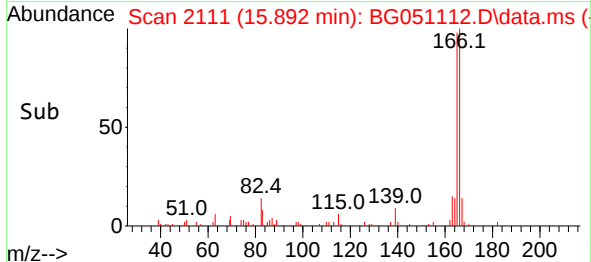
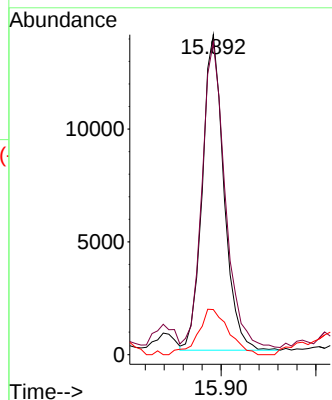
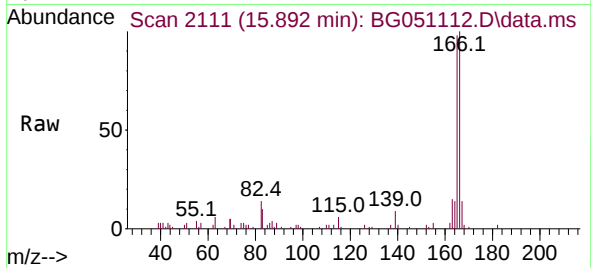




#58
Fluorene
Concen: 3.089 ng
RT: 15.892 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

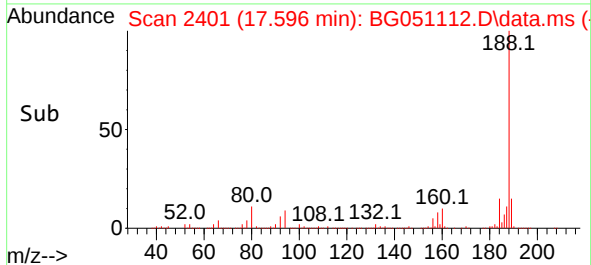
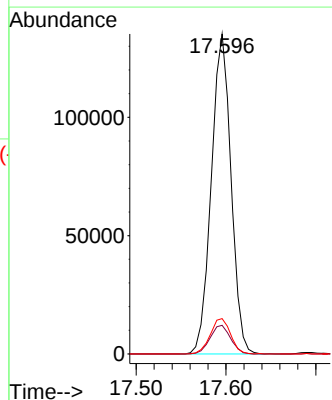
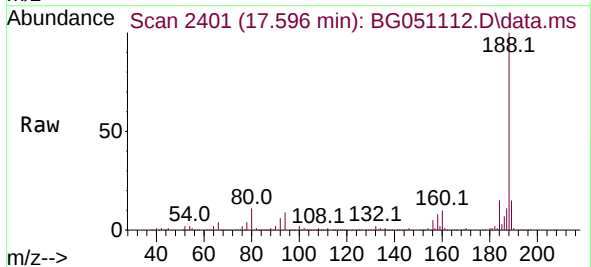
Instrument :
BNA_G
ClientSampleId :
351

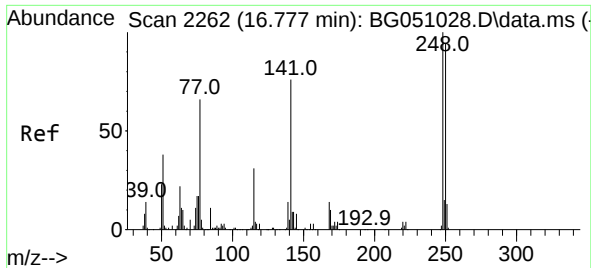
Tgt Ion:166 Resp: 22097
Ion Ratio Lower Upper
166 100
165 97.6 77.7 116.5
167 14.1 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.596 min Scan# 2401
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:188 Resp: 205858
Ion Ratio Lower Upper
188 100
94 8.9 5.4 8.0#
80 11.0 3.7 5.5#

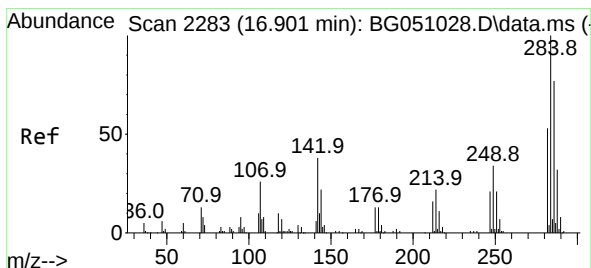
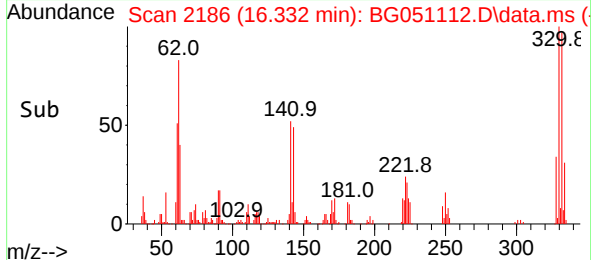
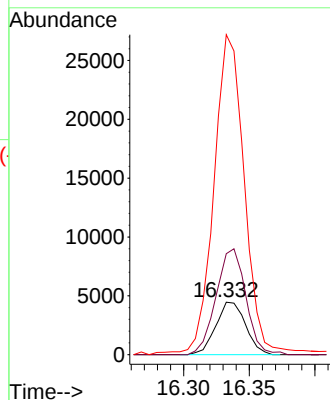
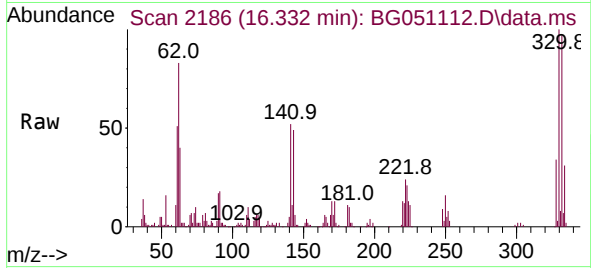




#67
4-Bromophenyl-phenylether
Concen: 3.261 ng
RT: 16.332 min Scan# 2186
Delta R.T. -0.445 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

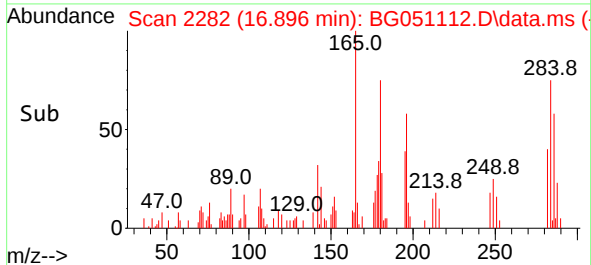
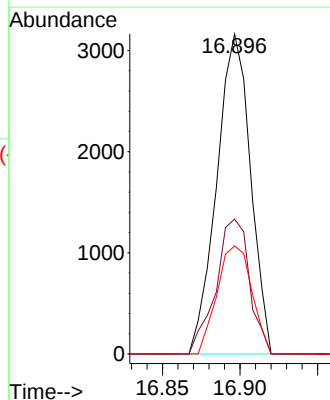
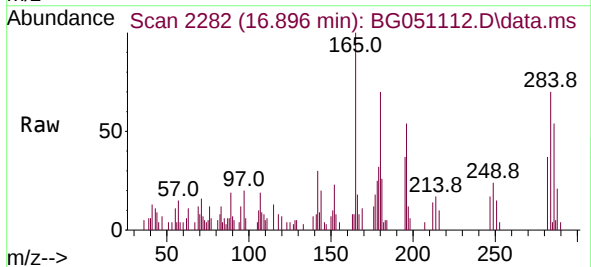
Instrument :
BNA_G
ClientSampleId :
351

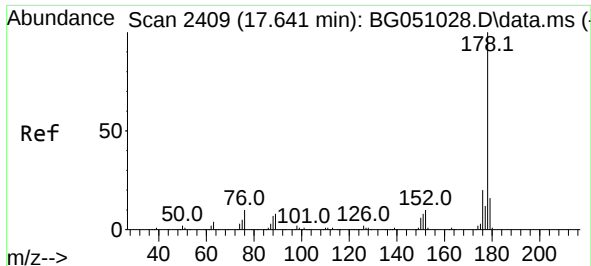
Tgt Ion:248 Resp: 7031
Ion Ratio Lower Upper
248 100
250 192.7 76.1 114.1#
141 610.6 65.4 98.2#



#68
Hexachlorobenzene
Concen: 2.251 ng
RT: 16.896 min Scan# 2282
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:284 Resp: 4777
Ion Ratio Lower Upper
284 100
142 42.2 27.0 40.6#
249 33.8 28.2 42.2

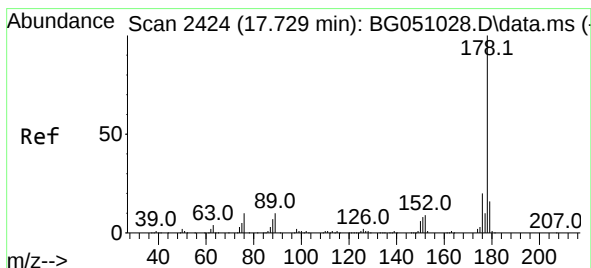
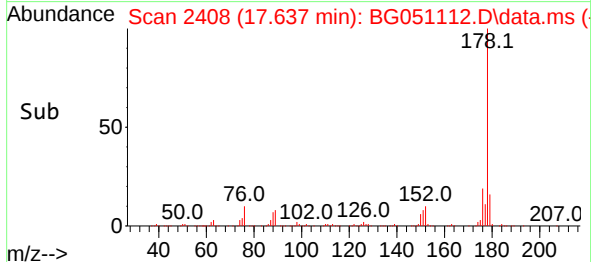
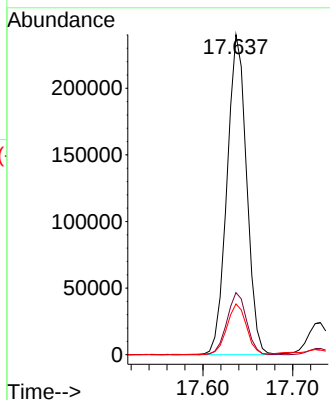
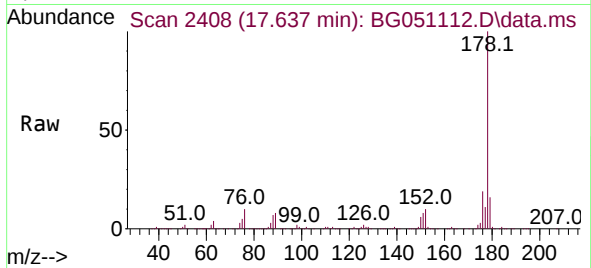




#71
Phenanthrene
Concen: 33.127 ng
RT: 17.637 min Scan# 2409
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

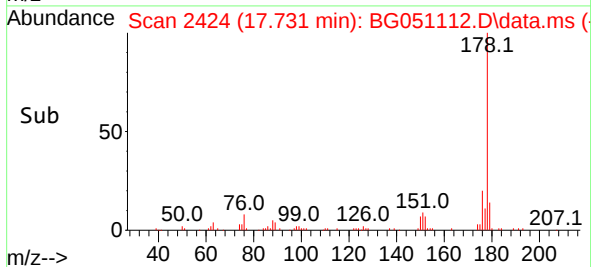
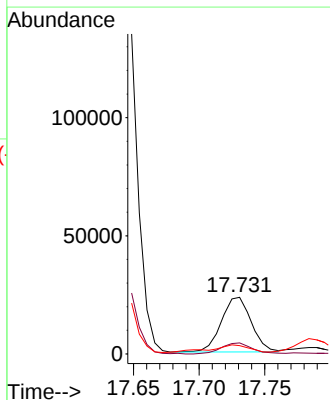
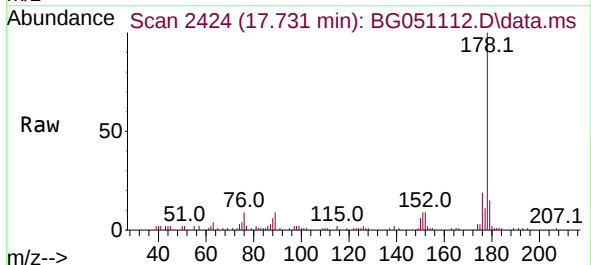
Instrument :
BNA_G
ClientSampleId :
351

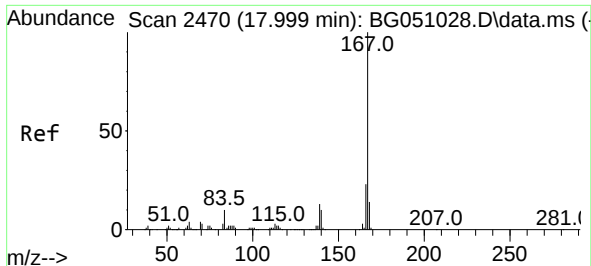
Tgt Ion:178 Resp: 363754
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.9 14.2 21.4



#72
Anthracene
Concen: 3.356 ng
RT: 17.731 min Scan# 2424
Delta R.T. 0.002 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:178 Resp: 36650
Ion Ratio Lower Upper
178 100
176 19.5 14.6 21.8
179 14.7 13.4 20.0

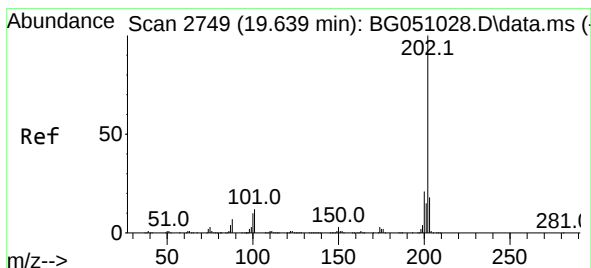
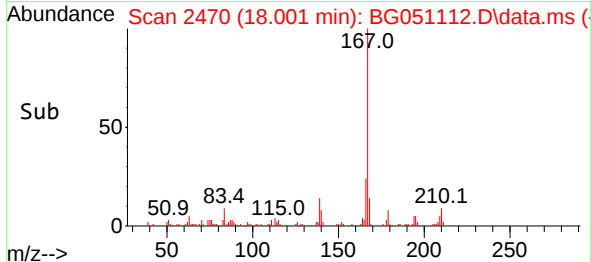
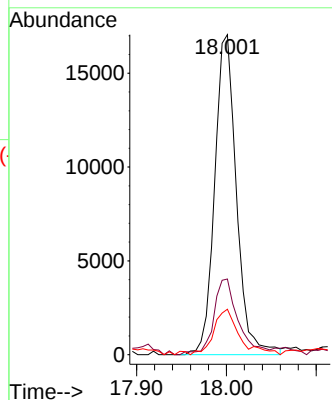
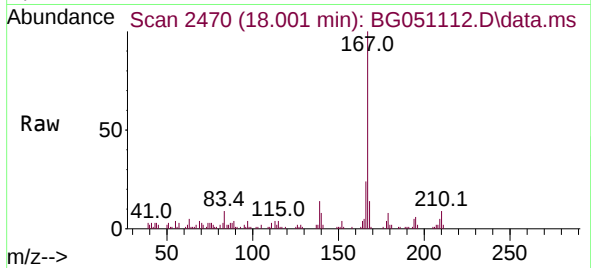




#73
 Carbazole
 Concen: 2.654 ng
 RT: 18.001 min Scan# 2470
 Delta R.T. 0.002 min
 Lab File: BG051112.D
 Acq: 18 Nov 2021 19:32

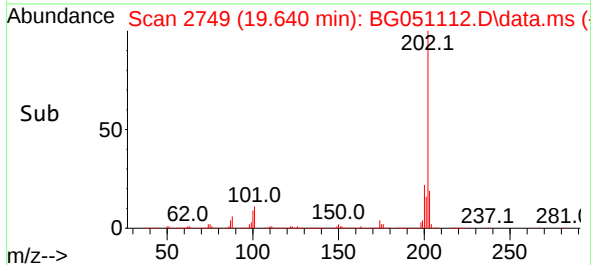
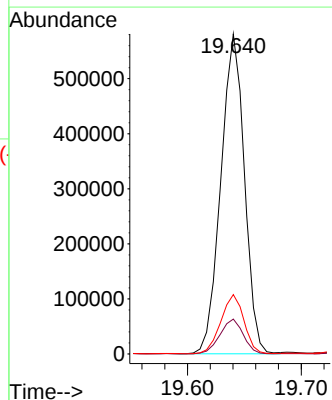
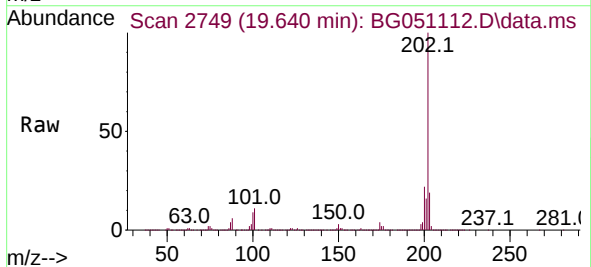
Instrument :
 BNA_G
 ClientSampleId :
 351

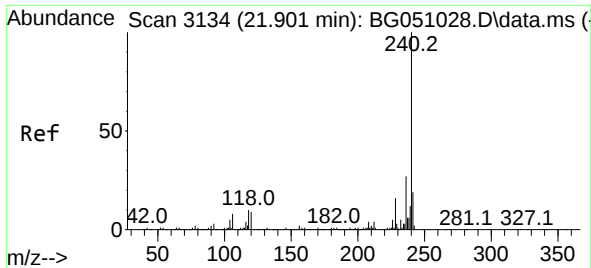
Tgt Ion:167 Resp: 28703
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.4 26.2
 139 14.2 10.7 16.1



#75
 Fluoranthene
 Concen: 62.078 ng
 RT: 19.640 min Scan# 2749
 Delta R.T. 0.001 min
 Lab File: BG051112.D
 Acq: 18 Nov 2021 19:32

Tgt Ion:202 Resp: 836289
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 24.7
 203 18.5 0.0 38.5

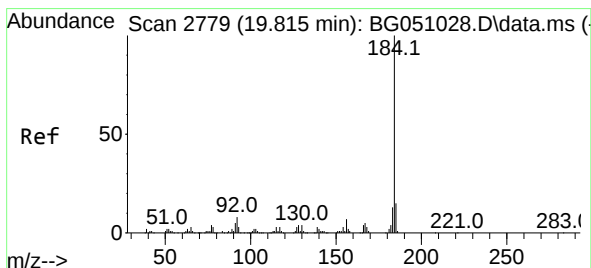
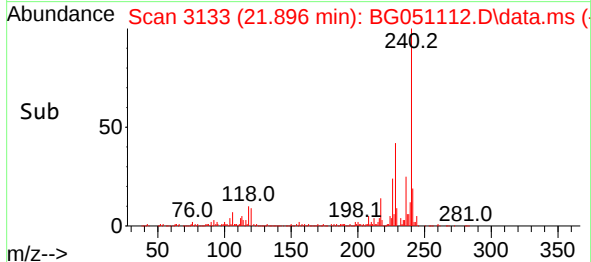
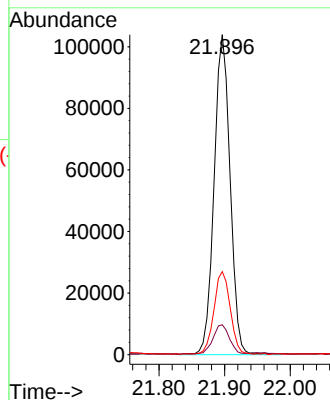
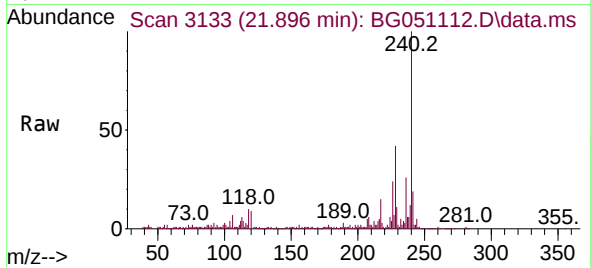




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

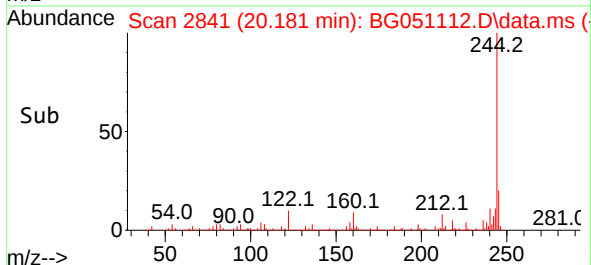
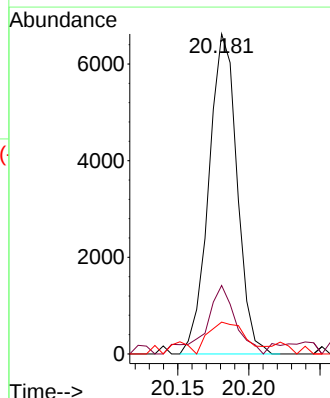
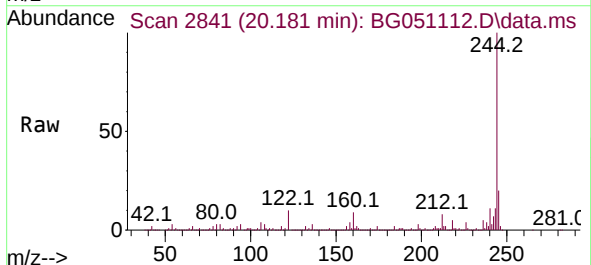
Instrument :
BNA_G
ClientSampleId :
351

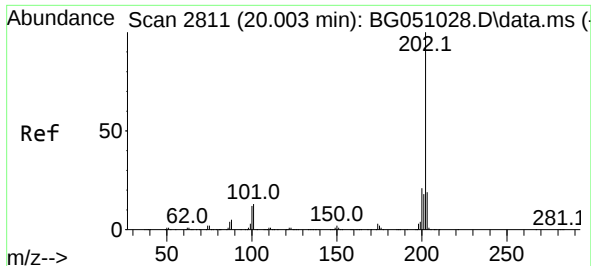
Tgt Ion:240 Resp: 176219
Ion Ratio Lower Upper
240 100
120 9.3 4.2 6.2#
236 25.9 21.8 32.6



#77
Benzidine
Concen: 2.749 ng
RT: 20.181 min Scan# 2841
Delta R.T. 0.366 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:184 Resp: 9158
Ion Ratio Lower Upper
184 100
185 21.4 10.7 16.1#
183 9.9 9.4 14.0

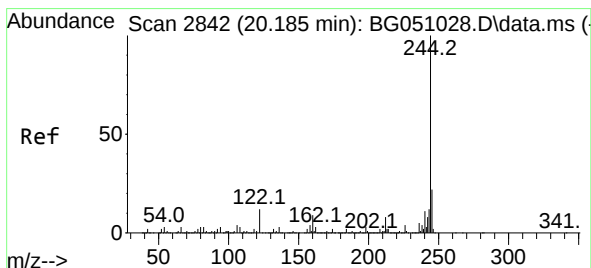
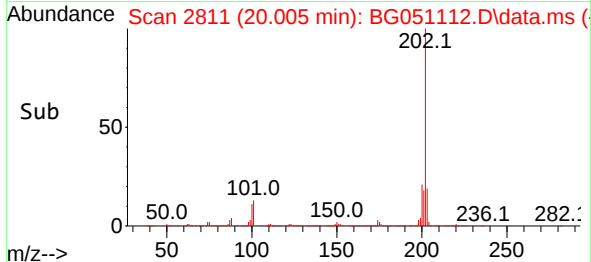
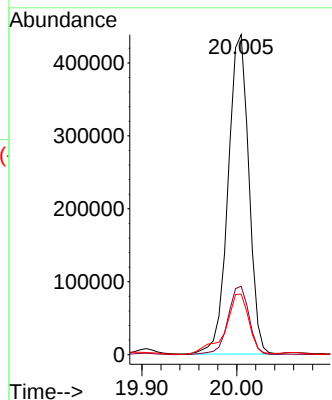
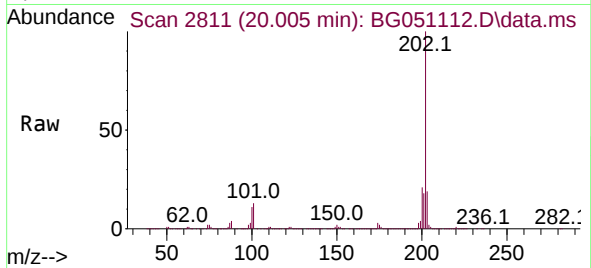




#78
Pyrene
Concen: 50.157 ng
RT: 20.005 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

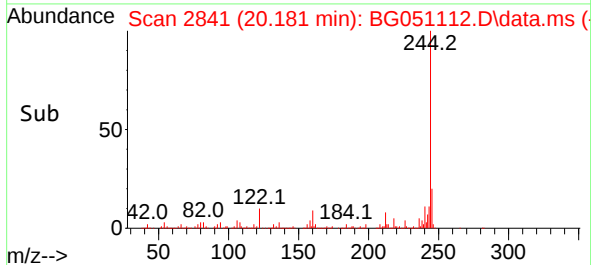
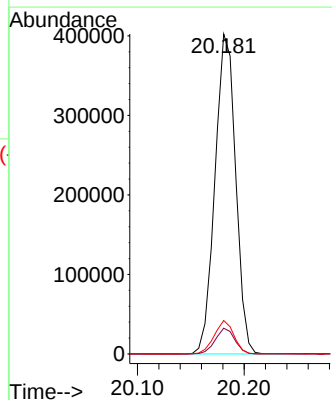
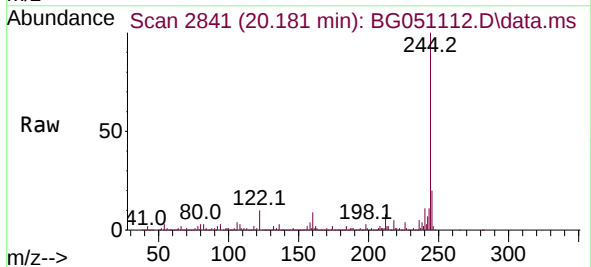
Instrument :
BNA_G
ClientSampleId :
351

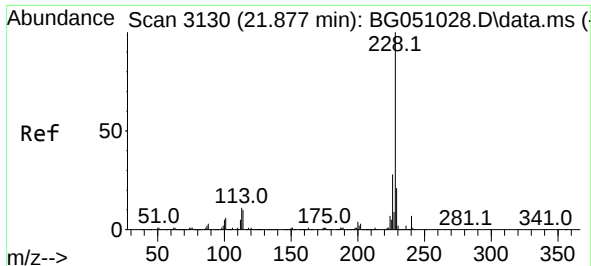
Tgt Ion:202 Resp: 663064
Ion Ratio Lower Upper
202 100
200 21.4 15.8 23.8
203 19.0 14.6 21.8



#79
Terphenyl-d14
Concen: 58.513 ng
RT: 20.181 min Scan# 2841
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:244 Resp: 541461
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 10.4 5.0 7.6#

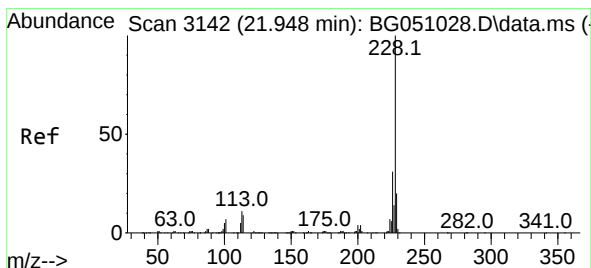
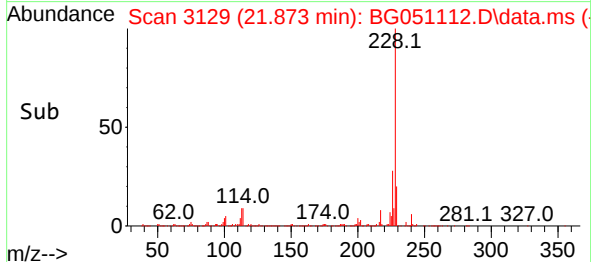
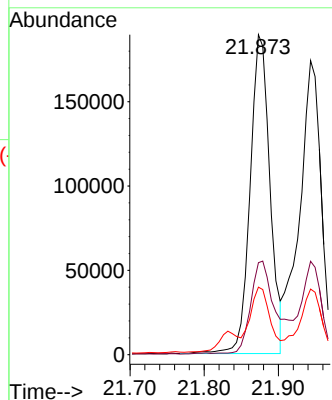
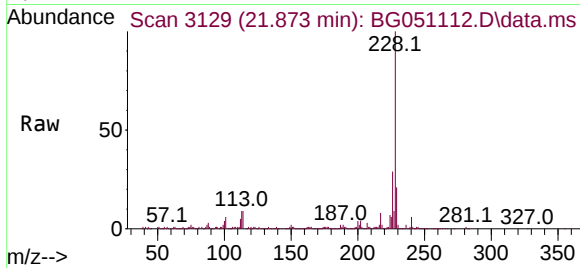




#81
Benzo(a)anthracene
Concen: 28.948 ng
RT: 21.873 min Scan# 3130
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

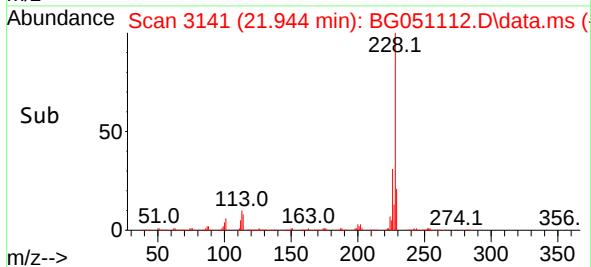
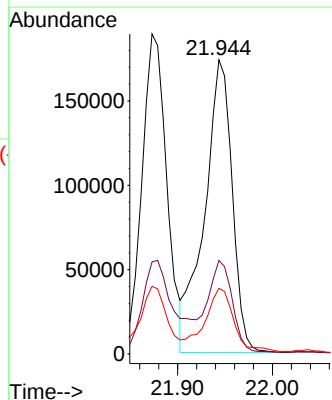
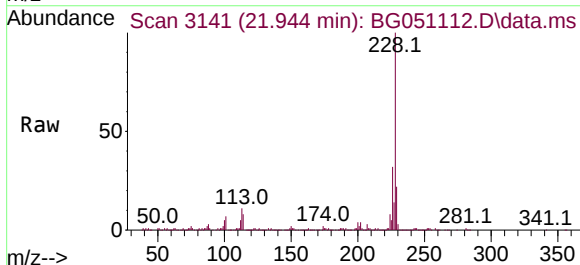
Instrument :
BNA_G
ClientSampleId :
351

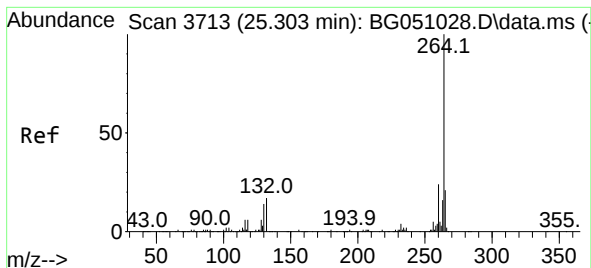
Tgt Ion:228 Resp: 350267
Ion Ratio Lower Upper
228 100
226 28.7 22.7 34.1
229 21.1 16.0 24.0



#83
Chrysene
Concen: 30.912 ng
RT: 21.944 min Scan# 3141
Delta R.T. -0.004 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:228 Resp: 352843
Ion Ratio Lower Upper
228 100
226 31.8 23.1 34.7
229 22.3 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.304 min Scan# 3

Delta R.T. 0.002 min

Lab File: BG051112.D

Acq: 18 Nov 2021 19:32

Instrument :

BNA_G

ClientSampleId :

351

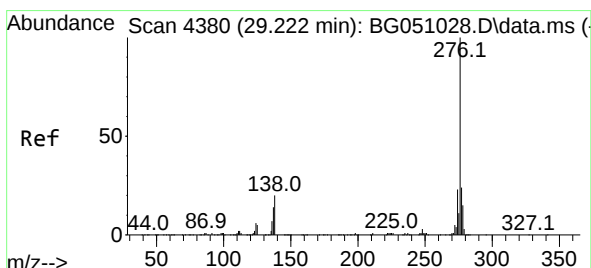
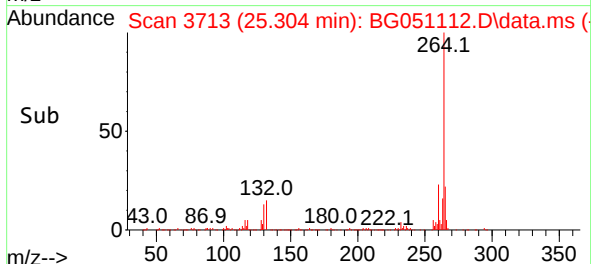
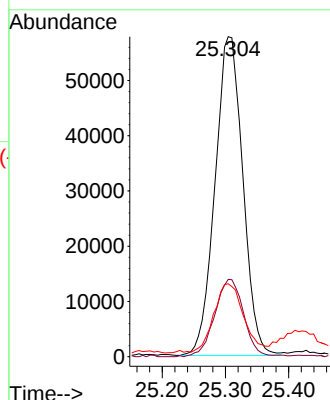
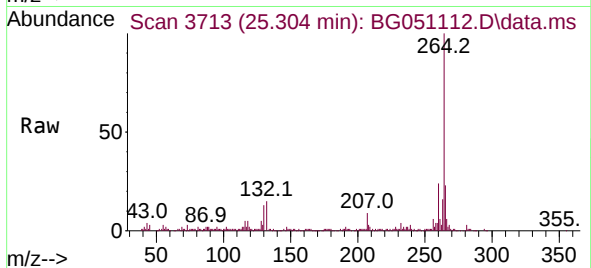
Tgt Ion:264 Resp: 176410

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 22.8 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.387 ng

RT: 29.235 min Scan# 4382

Delta R.T. 0.013 min

Lab File: BG051112.D

Acq: 18 Nov 2021 19:32

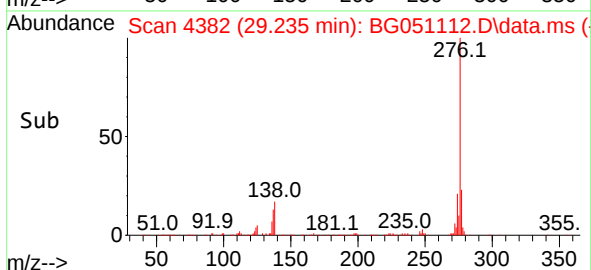
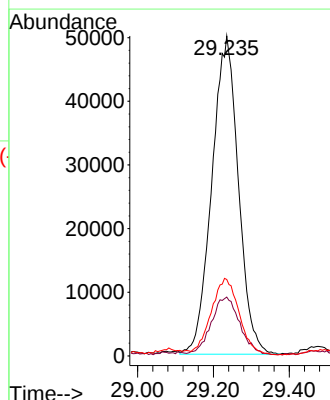
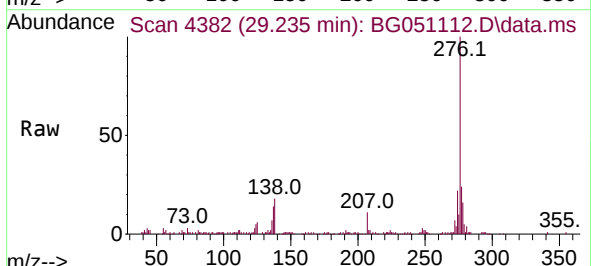
Tgt Ion:276 Resp: 242753

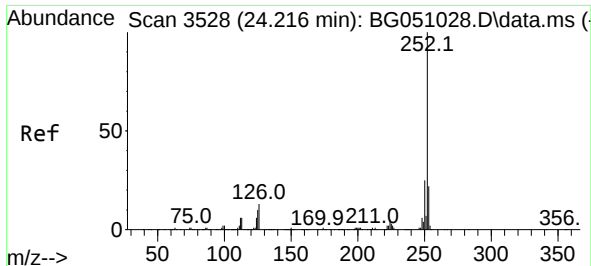
Ion Ratio Lower Upper

276 100

138 19.4 5.1 7.7#

277 25.3 19.8 29.6

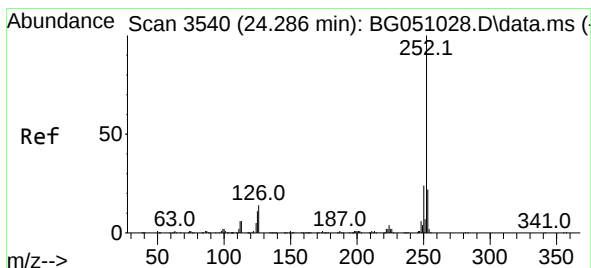
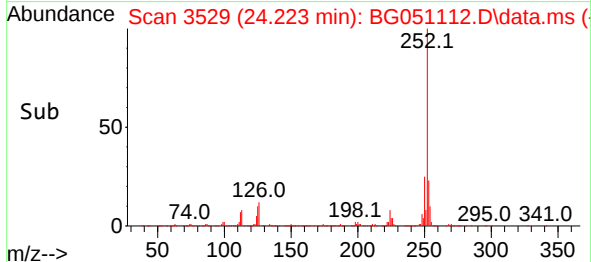
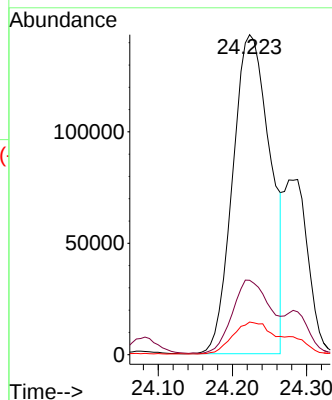
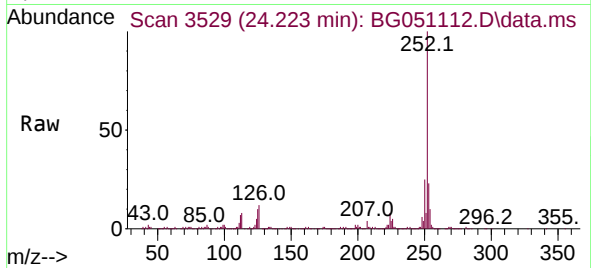




#88
Benzo(b)fluoranthene
Concen: 45.422 ng
RT: 24.223 min Scan# 3529
Delta R.T. 0.008 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

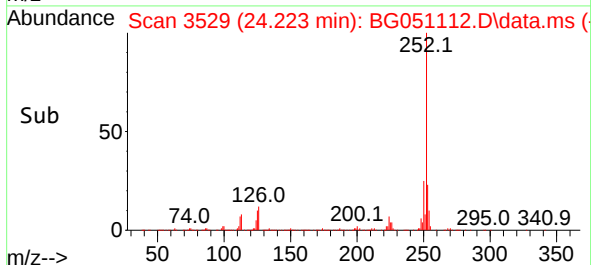
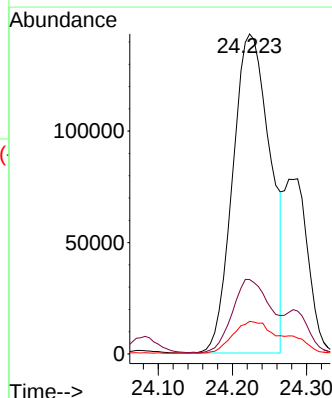
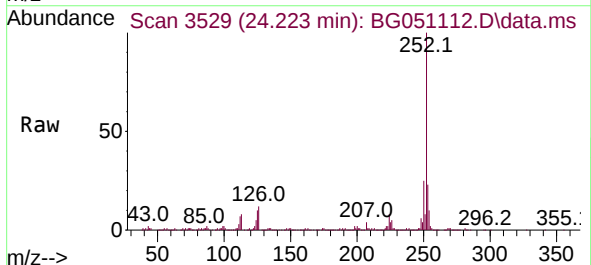
Instrument :
BNA_G
ClientSampleId :
351

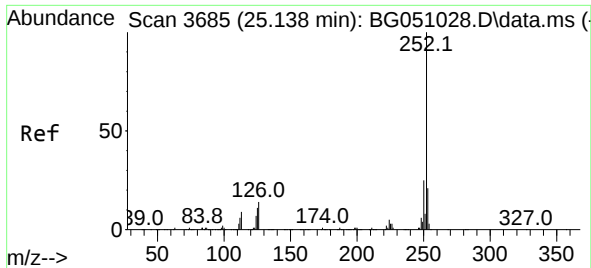
Tgt Ion:252 Resp: 504382
Ion Ratio Lower Upper
252 100
253 23.2 16.2 24.4
125 10.2 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 45.543 ng
RT: 24.223 min Scan# 3529
Delta R.T. -0.063 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

Tgt Ion:252 Resp: 504382
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 10.2 3.1 4.7#

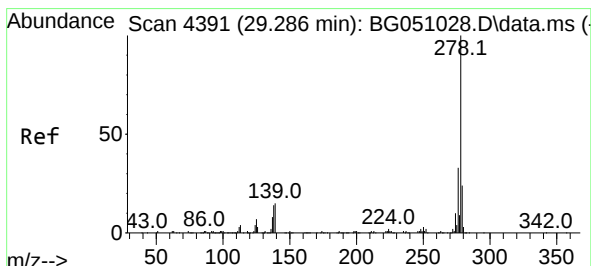
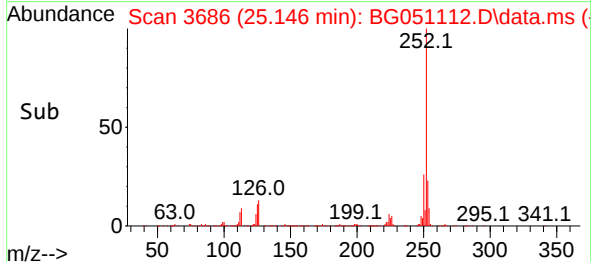
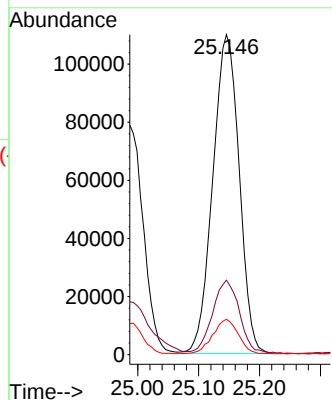
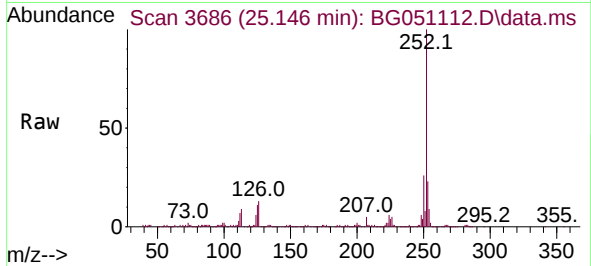




#90
Benzo(a)pyrene
Concen: 34.808 ng
RT: 25.146 min Scan# 301
Delta R.T. 0.008 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

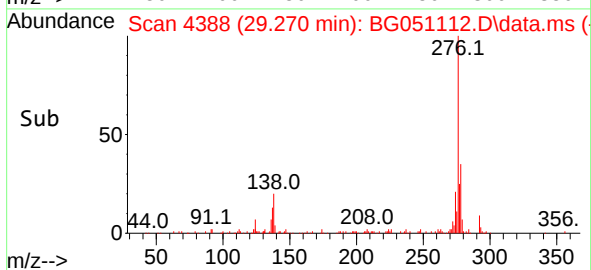
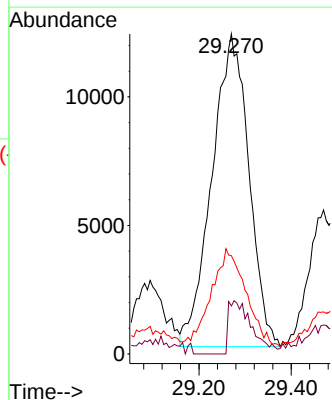
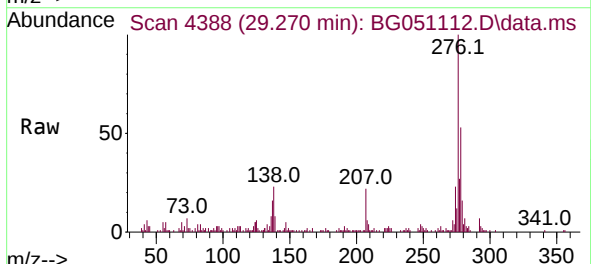
Instrument :
BNA_G
ClientSampleId :
351

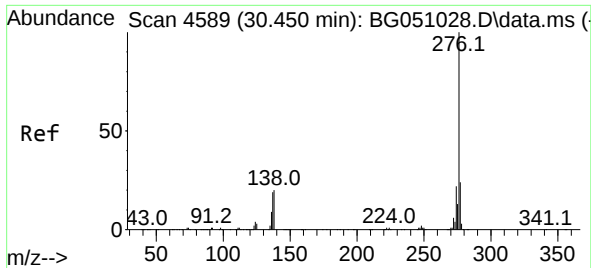
Tgt Ion:252 Resp: 329981
Ion Ratio Lower Upper
252 100
253 23.3 16.6 25.0
125 11.0 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 6.570 ng
RT: 29.270 min Scan# 4388
Delta R.T. -0.016 min
Lab File: BG051112.D
Acq: 18 Nov 2021 19:32

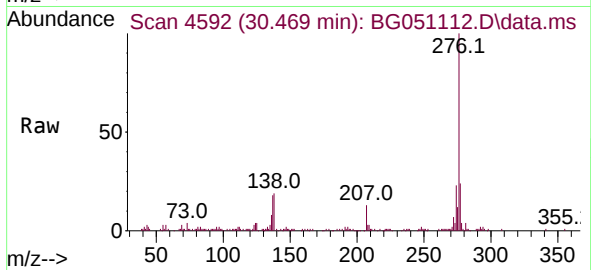
Tgt Ion:278 Resp: 67731
Ion Ratio Lower Upper
278 100
139 15.0 4.6 6.8#
279 30.7 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 20.410 ng
 RT: 30.469 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: BG051112.D
 Acq: 18 Nov 2021 19:32

Instrument :
 BNA_G
 ClientSampleId :
 351



Tgt Ion:276 Resp: 207065
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.4 27.6
 138 19.2 7.0 10.6#

