

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051093.D
 Acq On : 17 Nov 2021 15:37
 Operator : CG/JU
 Sample : M4680-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Quant Time: Nov 17 16:24:15 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

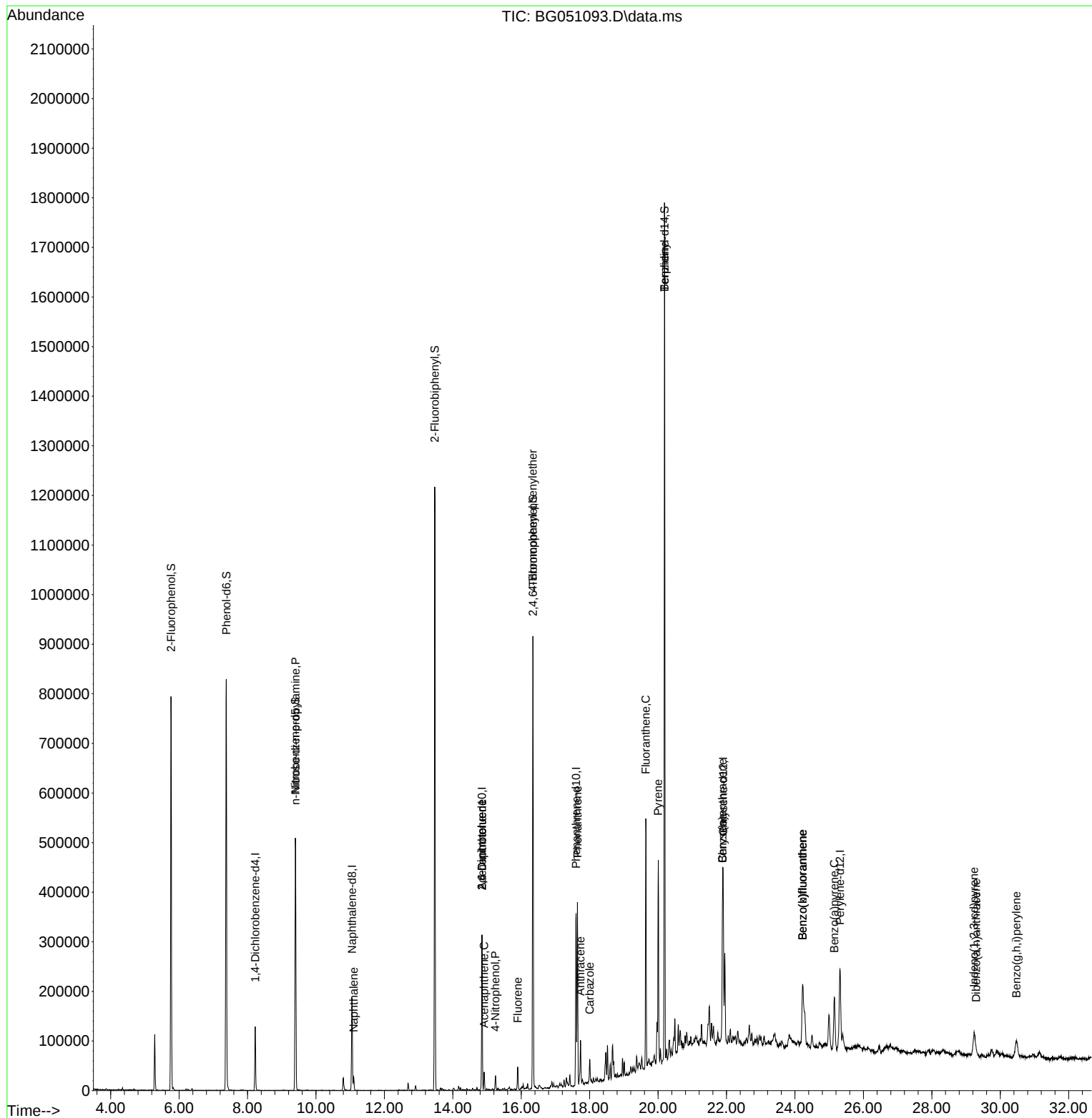
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	34761	20.000	ng	0.00
21) Naphthalene-d8	11.051	136	160346	20.000	ng	# 0.00
39) Acenaphthene-d10	14.853	164	107408	20.000	ng	0.00
64) Phenanthrene-d10	17.602	188	218510	20.000	ng	# 0.00
76) Chrysene-d12	21.903	240	175761	20.000	ng	# 0.00
86) Perylene-d12	25.317	264	179923	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.763	112	344176	148.113	ng	0.00
7) Phenol-d6	7.379	99	476903	145.404	ng	0.00
23) Nitrobenzene-d5	9.400	82	333974	92.200	ng	0.00
42) 2,4,6-Tribromophenol	16.345	330	150337	139.866	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	617569	90.848	ng	0.00
79) Terphenyl-d14	20.188	244	778963	81.095	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.406	70	46934	19.364	ng	# 68
31) Naphthalene	11.104	128	23378	2.715	ng	98
51) 2,6-Dinitrotoluene	14.853	165	14600	8.394	ng	# 11
52) Acenaphthene	14.917	154	13230	2.283	ng	97
56) 4-Nitrophenol	15.246	139	6949	4.469	ng	# 1
57) 2,4-Dinitrotoluene	14.853	165	14600	5.916	ng	# 16
58) Fluorene	15.898	166	21408	2.782	ng	95
67) 4-Bromophenyl-phenylether	16.339	248	11787	5.150	ng	# 1
71) Phenanthrene	17.643	178	227695	19.536	ng	96
72) Anthracene	17.732	178	58006	5.004	ng	97
73) Carbazole	18.002	167	28983	2.525	ng	95
75) Fluoranthene	19.641	202	317869	22.229	ng	96
77) Benzidine	20.188	184	14650	4.410	ng	# 89
78) Pyrene	20.005	202	268386	20.355	ng	99
81) Benzo(a)anthracene	21.880	228	147240	12.200	ng	97
83) Chrysene	21.880	228	147240	12.933	ng	97
87) Indeno(1,2,3-cd)pyrene	29.236	276	75602	5.920	ng	# 85
88) Benzo(b)fluoranthene	24.224	252	166375	14.690	ng	# 93
89) Benzo(k)fluoranthene	24.224	252	166375	14.729	ng	# 97
90) Benzo(a)pyrene	25.152	252	118929	12.300	ng	# 91
91) Dibenzo(a,h)anthracene	29.294	278	22444	2.135	ng	# 79
92) Benzo(g,h,i)perylene	30.475	276	71833	6.942	ng	# 91

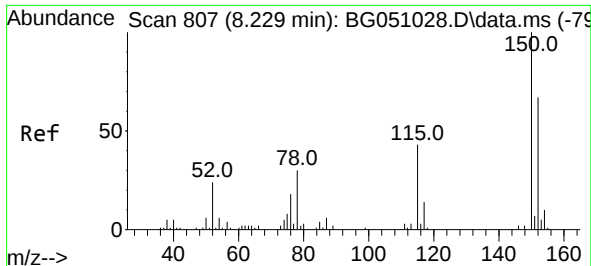
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
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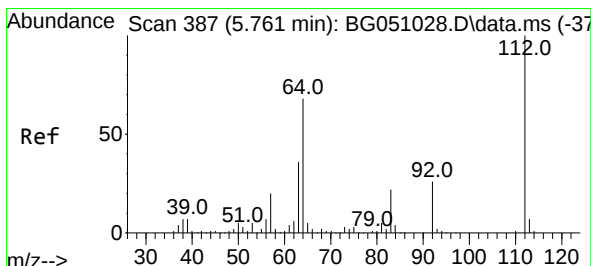
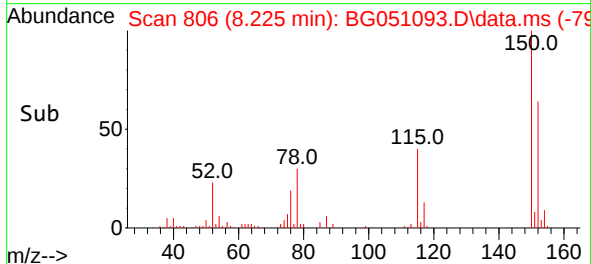
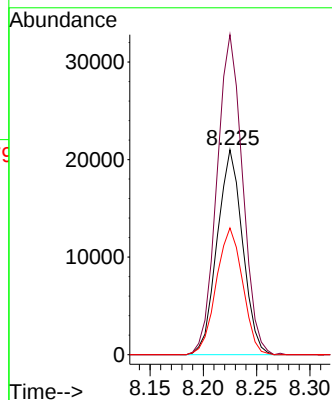
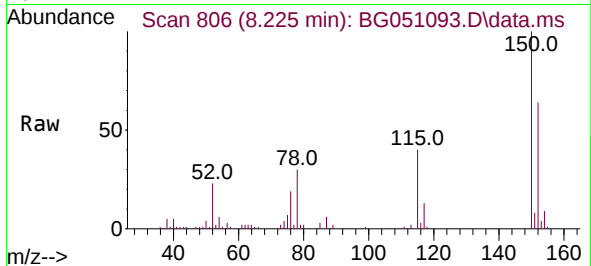




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 807
Delta R.T. -0.004 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

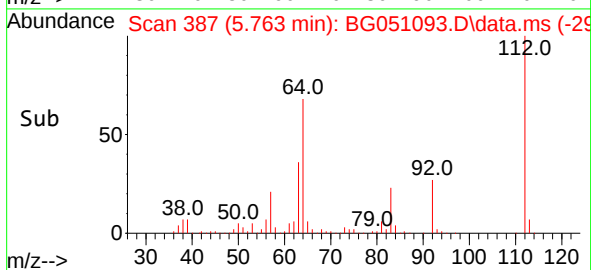
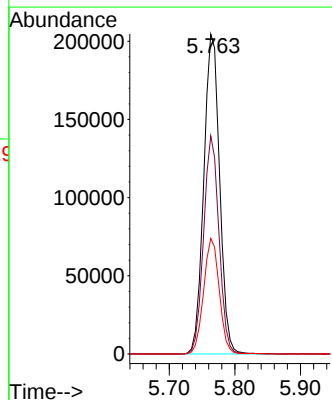
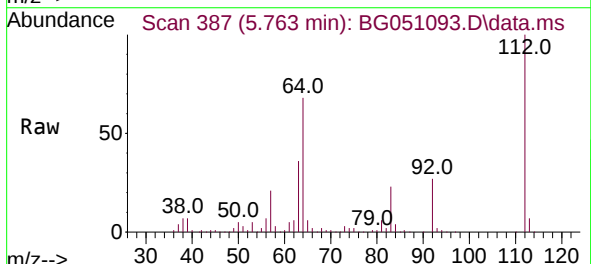
Instrument :
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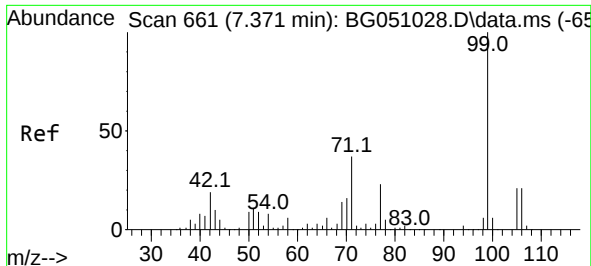
Tgt Ion:152 Resp: 34761
Ion Ratio Lower Upper
152 100
150 156.1 119.4 179.0
115 61.8 60.2 90.4



#5
2-Fluorophenol
Concen: 148.113 ng
RT: 5.763 min Scan# 387
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:112 Resp: 344176
Ion Ratio Lower Upper
112 100
64 68.2 46.7 70.1
63 36.1 35.3 52.9

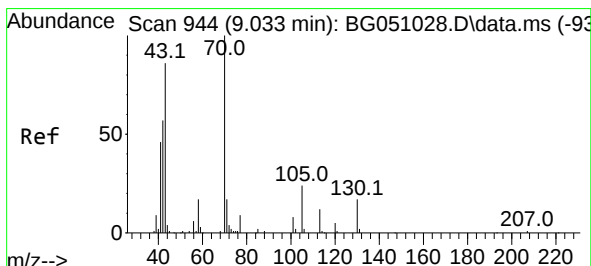
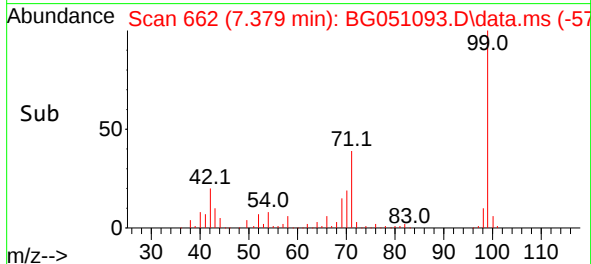
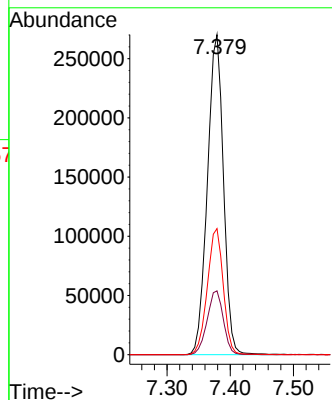
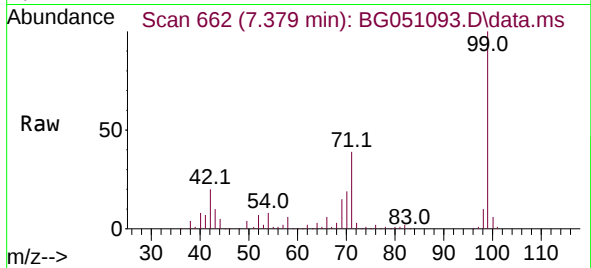




#7
Phenol-d6
Concen: 145.404 ng
RT: 7.379 min Scan# 60
Delta R.T. 0.008 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

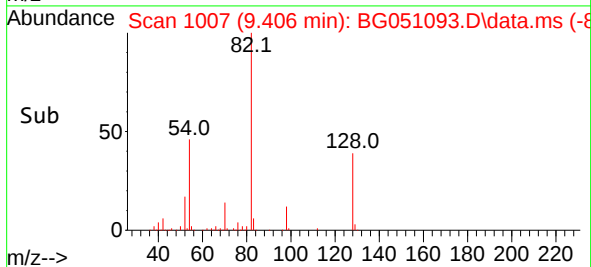
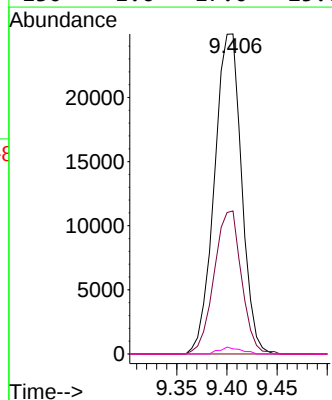
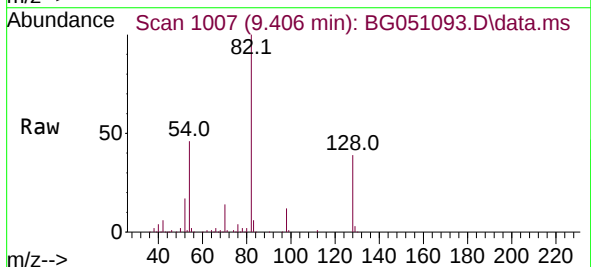
Instrument :
BNA_G
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COMP-3

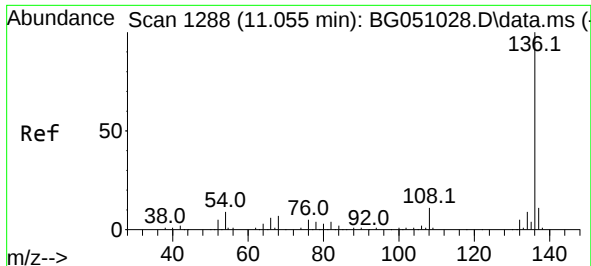
Tgt Ion: 99 Resp: 476903
Ion Ratio Lower Upper
99 100
42 19.9 20.5 30.7#
71 39.4 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 19.364 ng
RT: 9.406 min Scan# 1007
Delta R.T. 0.373 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion: 70 Resp: 46934
Ion Ratio Lower Upper
70 100
42 44.7 54.5 81.7#
101 0.0 9.0 13.6#
130 1.6 17.0 25.6#

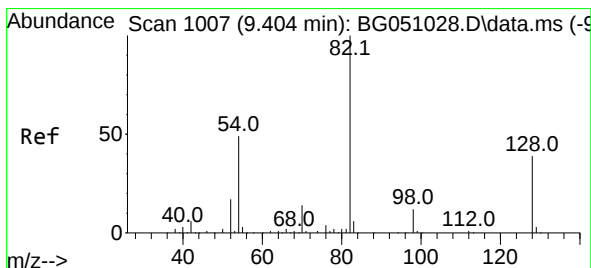
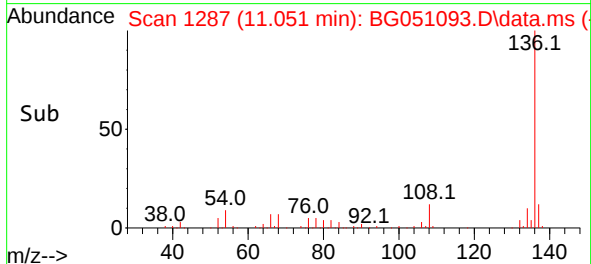
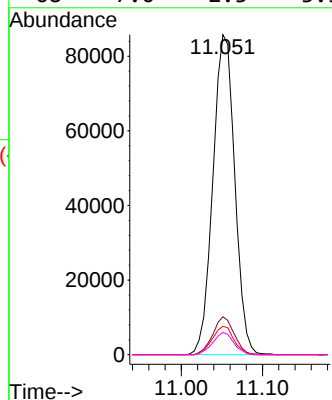
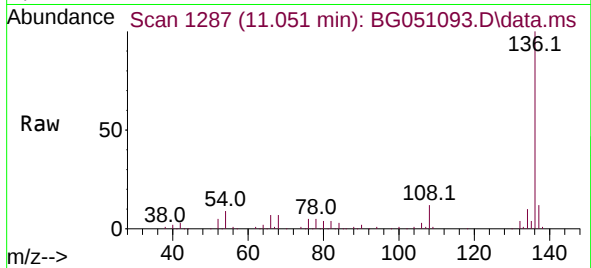




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.051 min Scan# 1105
Delta R.T. -0.003 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

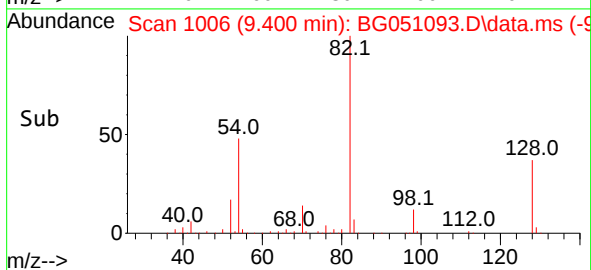
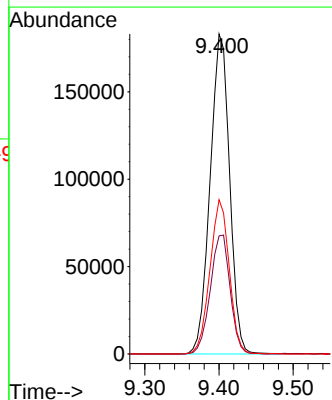
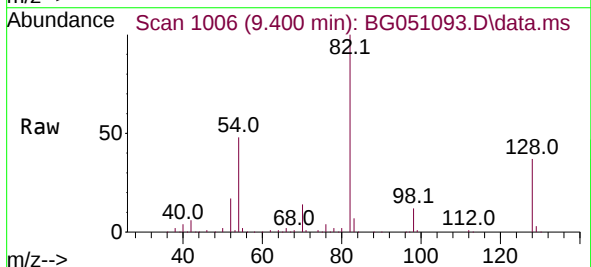
Instrument :
BNA_G
ClientSampleId :
COMP-3

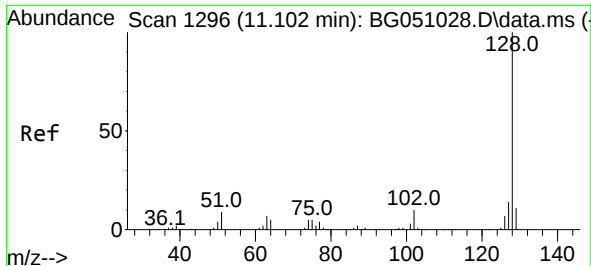
Tgt Ion:136 Resp: 160346
Ion Ratio Lower Upper
136 100
137 11.9 8.2 12.2
54 8.9 5.5 8.3#
68 7.0 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 92.200 ng
RT: 9.400 min Scan# 1006
Delta R.T. -0.004 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion: 82 Resp: 333974
Ion Ratio Lower Upper
82 100
128 36.9 29.8 44.6
54 48.2 45.8 68.8

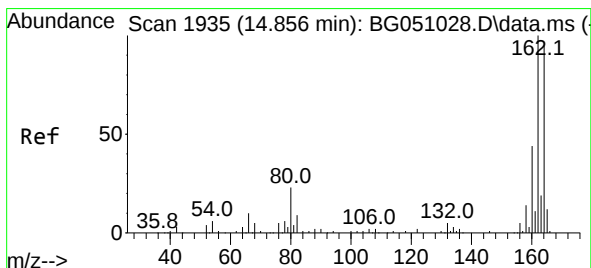
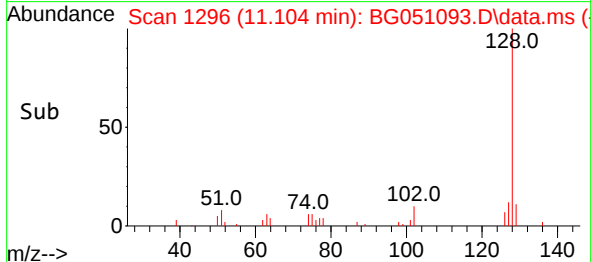
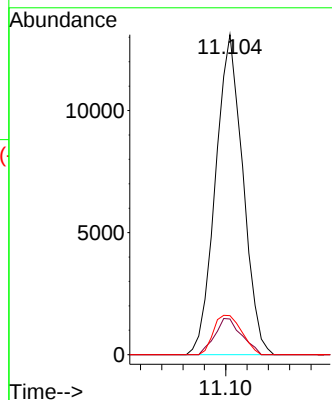
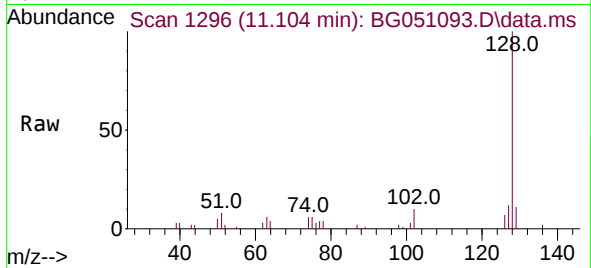




#31
Naphthalene
Concen: 2.715 ng
RT: 11.104 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

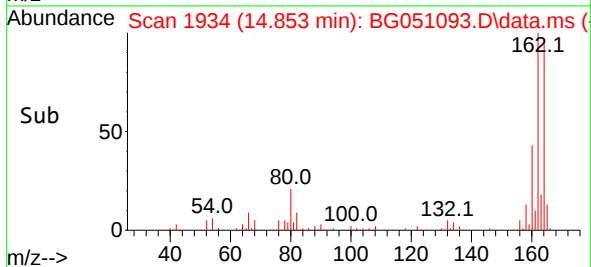
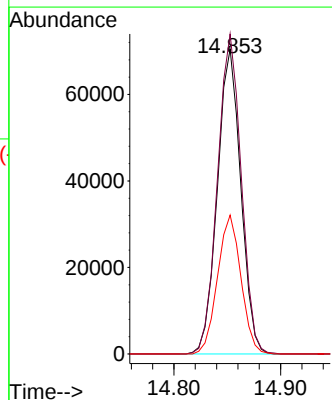
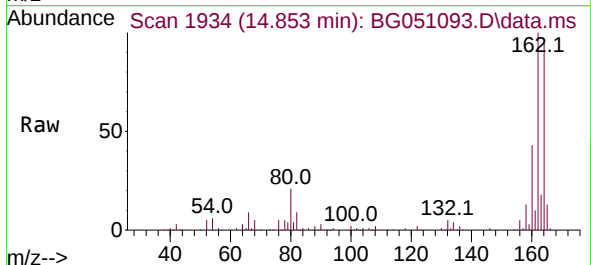
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BNA_G
ClientSampleId :
COMP-3

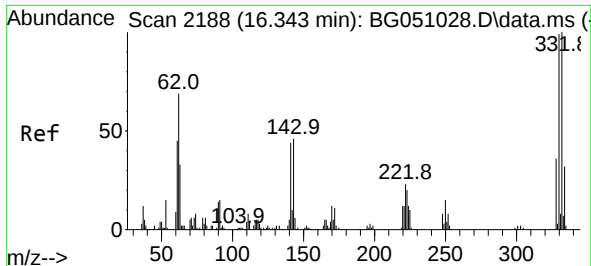
Tgt Ion:128 Resp: 23378
Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 12.2 10.2 15.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.853 min Scan# 1934
Delta R.T. -0.003 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:164 Resp: 107408
Ion Ratio Lower Upper
164 100
162 104.9 81.4 122.0
160 45.6 34.9 52.3

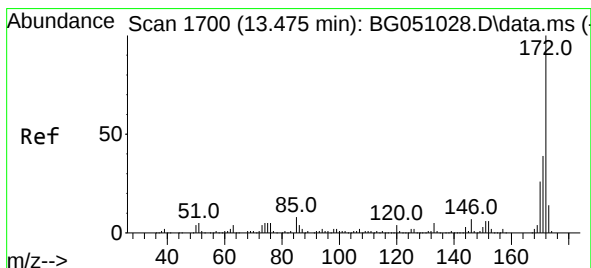
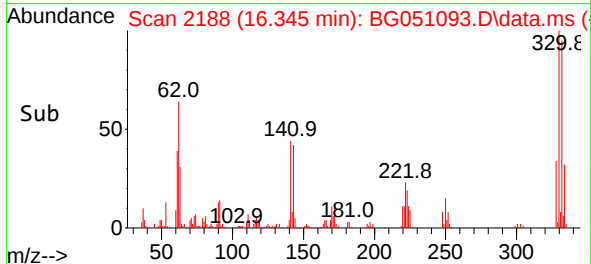
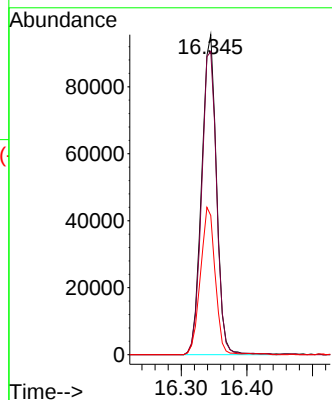
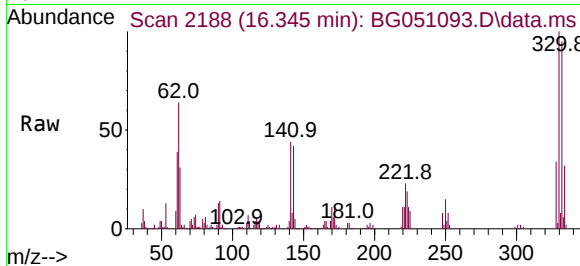




#42
2,4,6-Tribromophenol
Concen: 139.866 ng
RT: 16.345 min Scan# 2188
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

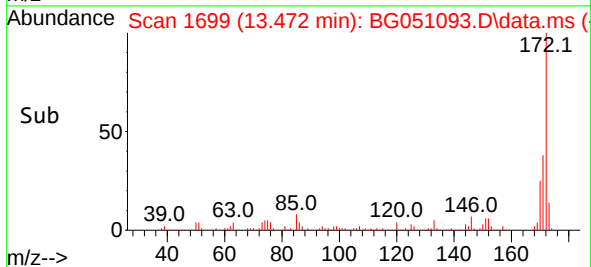
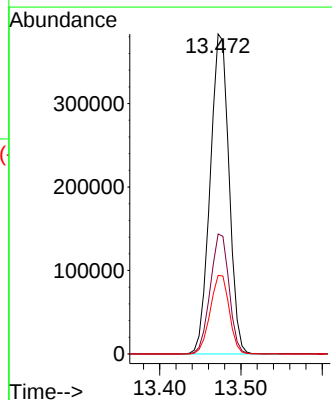
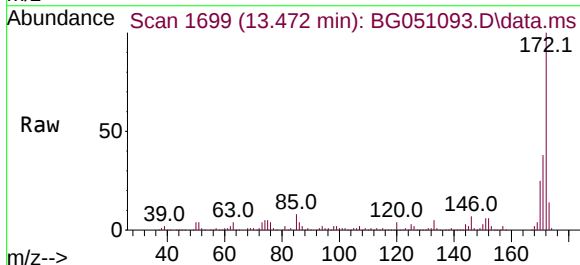
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BNA_G
ClientSampleId :
COMP-3

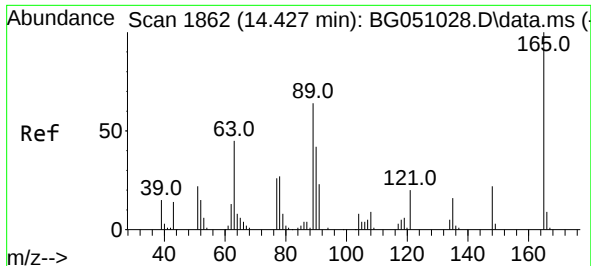
Tgt Ion:330 Resp: 150337
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 45.6 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 90.848 ng
RT: 13.472 min Scan# 1699
Delta R.T. -0.003 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:172 Resp: 617569
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 24.6 18.6 27.8

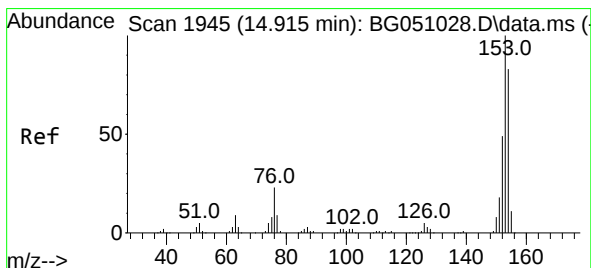
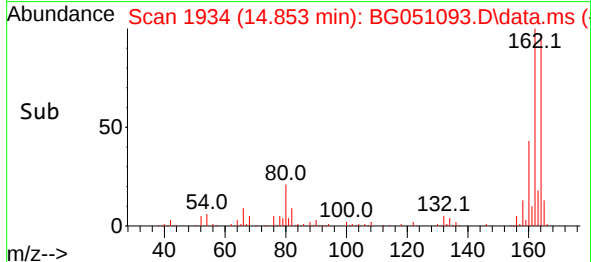
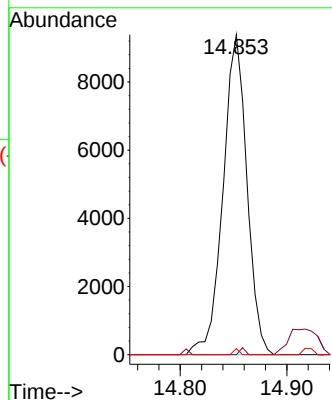
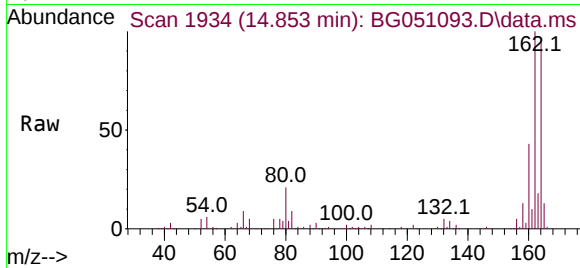




#51
2,6-Dinitrotoluene
Concen: 8.394 ng
RT: 14.853 min Scan# 1934
Delta R.T. 0.426 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

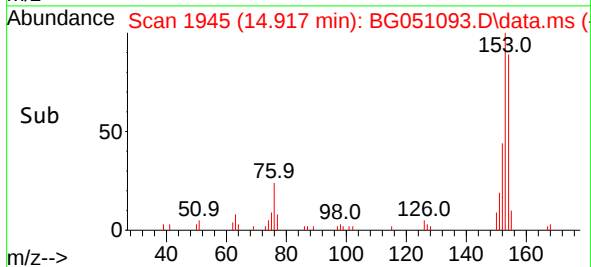
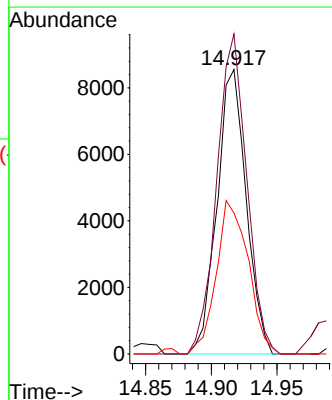
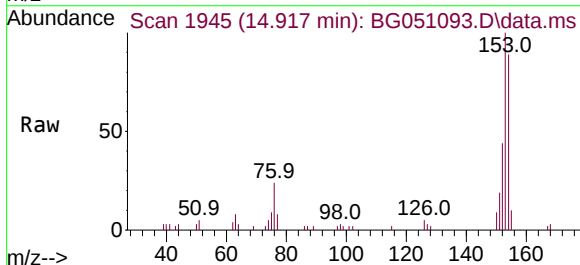
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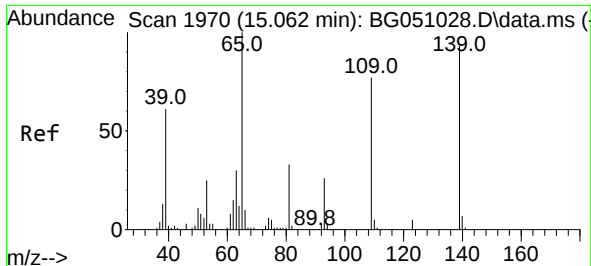
Tgt Ion:165 Resp: 14600
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.9 63.4 95.0#



#52
Acenaphthene
Concen: 2.283 ng
RT: 14.917 min Scan# 1945
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:154 Resp: 13230
Ion Ratio Lower Upper
154 100
153 112.5 87.0 130.4
152 49.6 40.1 60.1

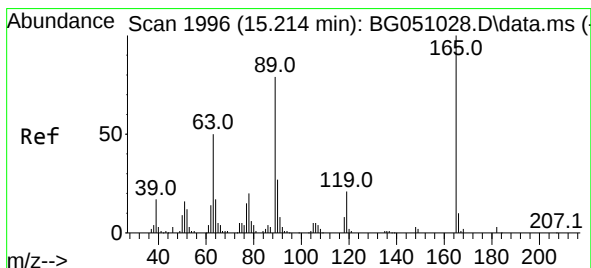
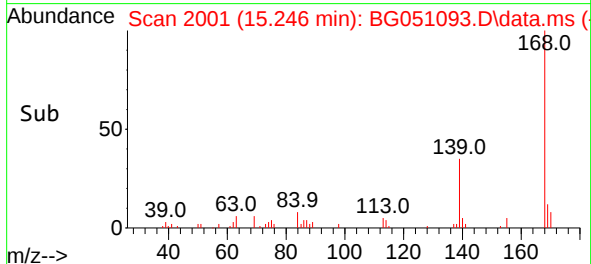
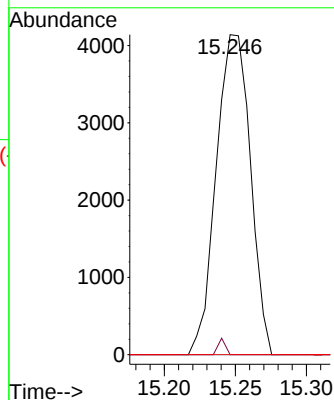
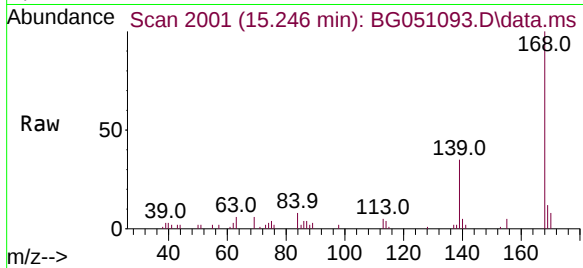




#56
4-Nitrophenol
Concen: 4.469 ng
RT: 15.246 min Scan# 20
Delta R.T. 0.185 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

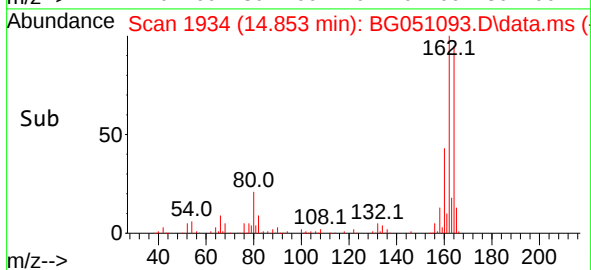
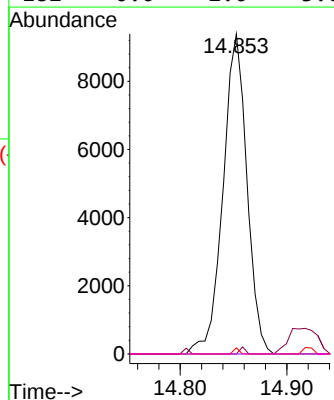
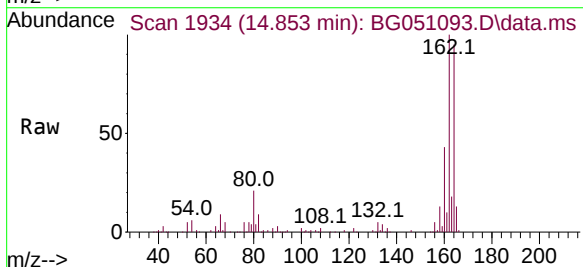
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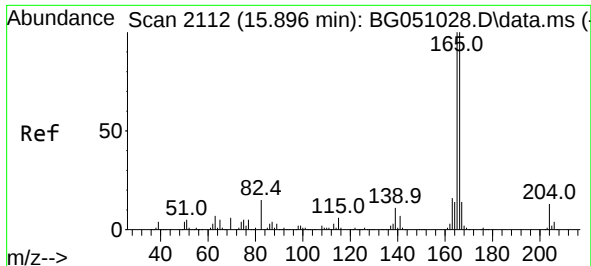
Tgt Ion:139 Resp: 6949
Ion Ratio Lower Upper
139 100
109 0.0 116.3 156.3#
65 0.0 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 5.916 ng
RT: 14.853 min Scan# 1934
Delta R.T. -0.362 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:165 Resp: 14600
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 1.9 65.4 98.0#
182 0.0 2.0 3.0#

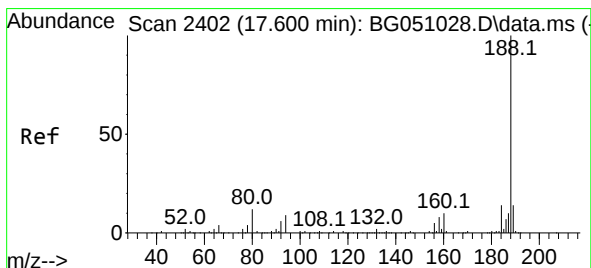
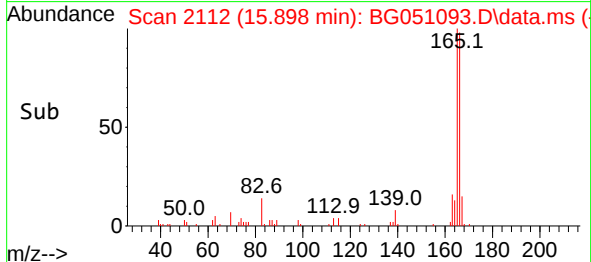
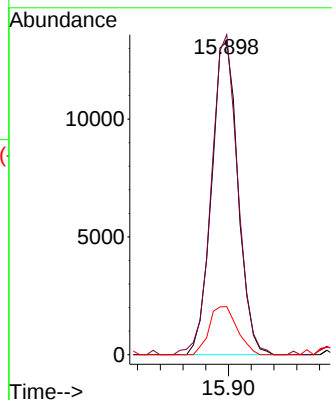
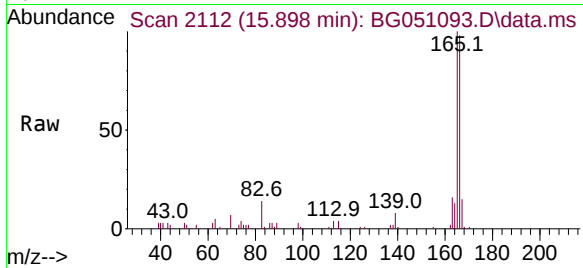




#58
Fluorene
Concen: 2.782 ng
RT: 15.898 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

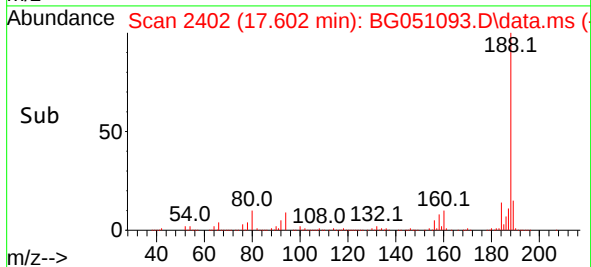
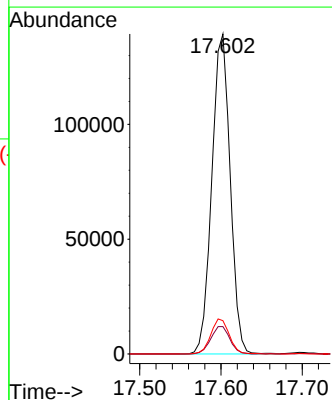
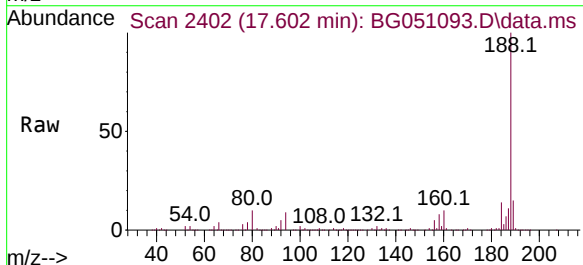
Instrument :
BNA_G
ClientSampleId :
COMP-3

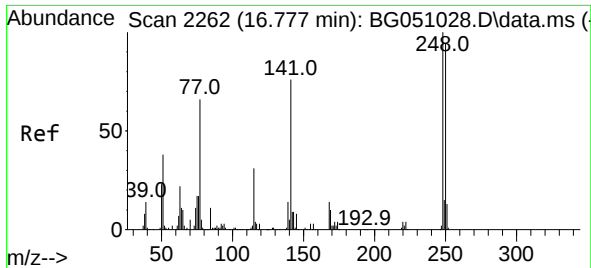
Tgt Ion:166 Resp: 21408
Ion Ratio Lower Upper
166 100
165 102.2 77.7 116.5
167 15.3 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.602 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:188 Resp: 218510
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0#
80 10.4 3.7 5.5#

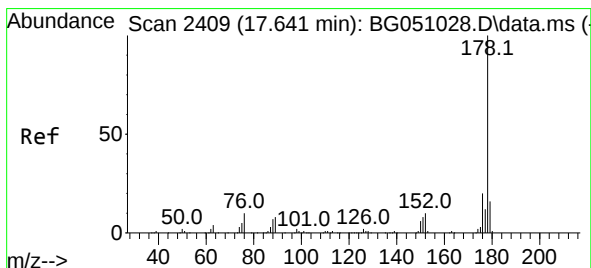
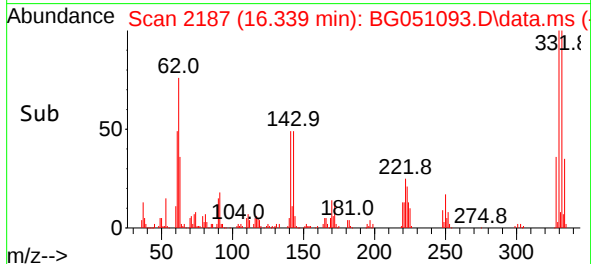
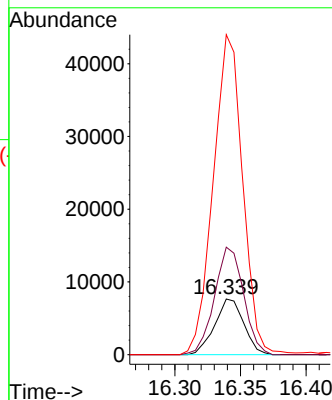
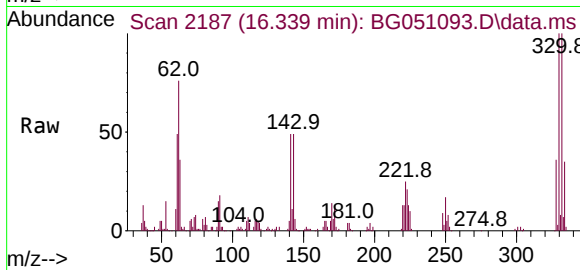




#67
4-Bromophenyl-phenylether
Concen: 5.150 ng
RT: 16.339 min Scan# 2187
Delta R.T. -0.438 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

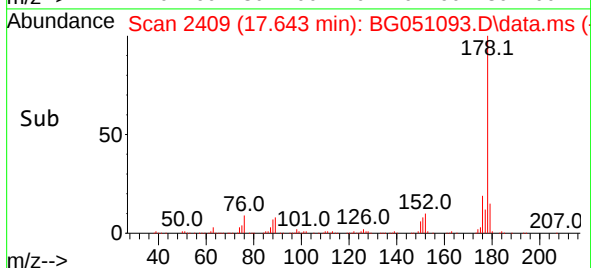
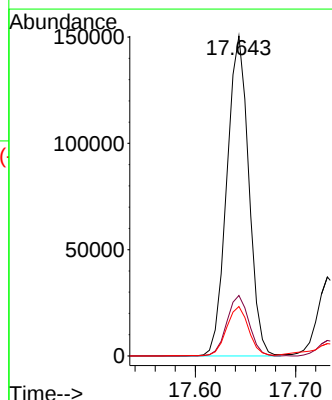
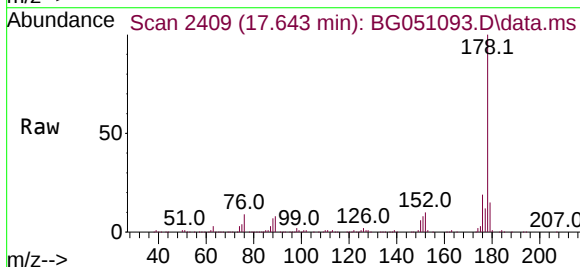
Instrument :
BNA_G
ClientSampleId :
COMP-3

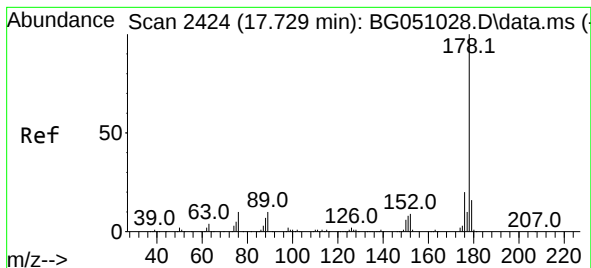
Tgt Ion:248 Resp: 11787
Ion Ratio Lower Upper
248 100
250 193.0 76.1 114.1#
141 574.5 65.4 98.2#



#71
Phenanthrene
Concen: 19.536 ng
RT: 17.643 min Scan# 2409
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:178 Resp: 227695
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.4 14.2 21.4





#72

Anthracene

Concen: 5.004 ng

RT: 17.732 min Scan# 24

Delta R.T. 0.002 min

Lab File: BG051093.D

Acq: 17 Nov 2021 15:37

Instrument :

BNA_G

ClientSampleId :

COMP-3

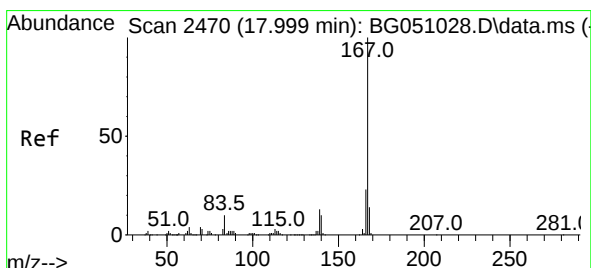
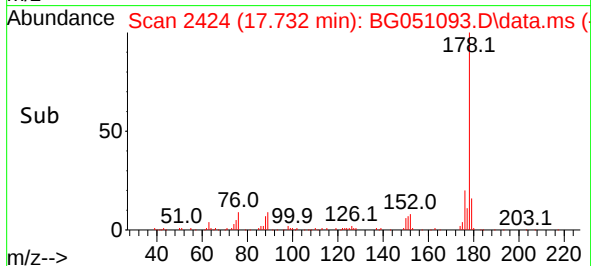
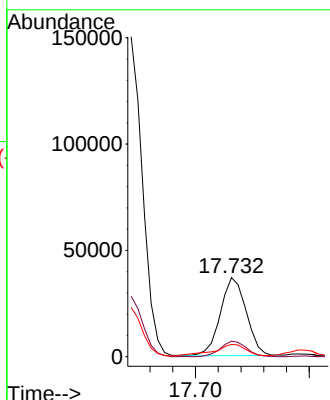
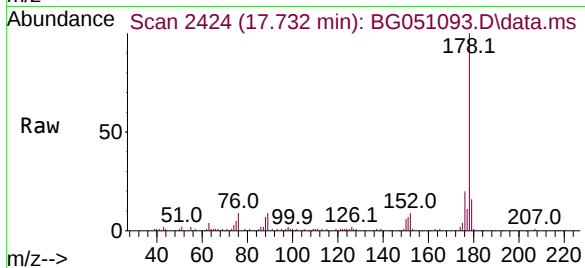
Tgt Ion:178 Resp: 58006

Ion Ratio Lower Upper

178 100

176 19.6 14.6 21.8

179 15.6 13.4 20.0



#73

Carbazole

Concen: 2.525 ng

RT: 18.002 min Scan# 2470

Delta R.T. 0.002 min

Lab File: BG051093.D

Acq: 17 Nov 2021 15:37

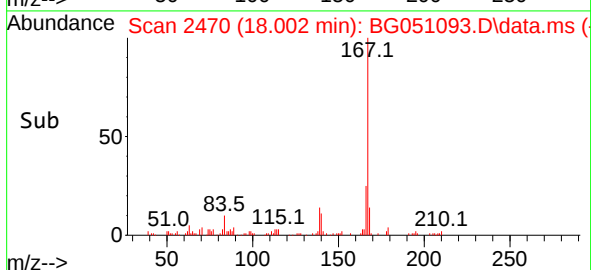
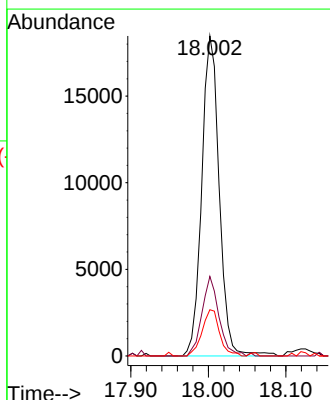
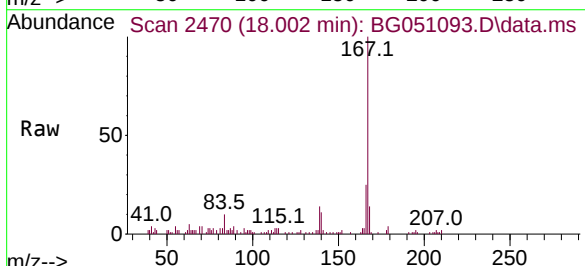
Tgt Ion:167 Resp: 28983

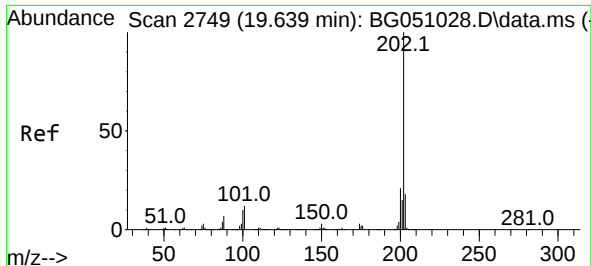
Ion Ratio Lower Upper

167 100

166 24.9 17.4 26.2

139 14.4 10.7 16.1

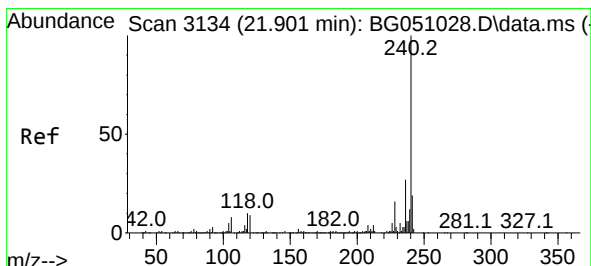
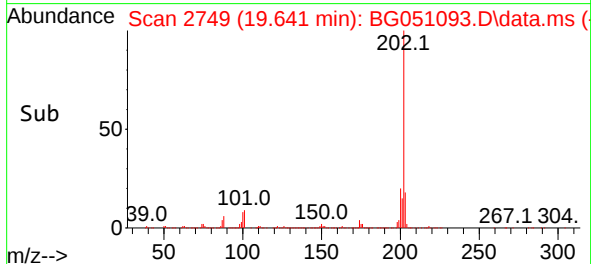
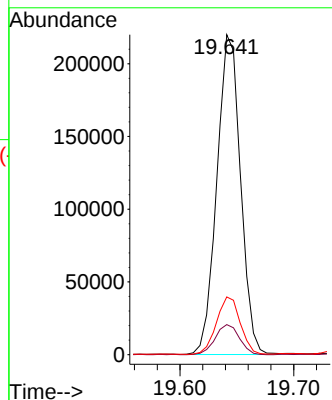
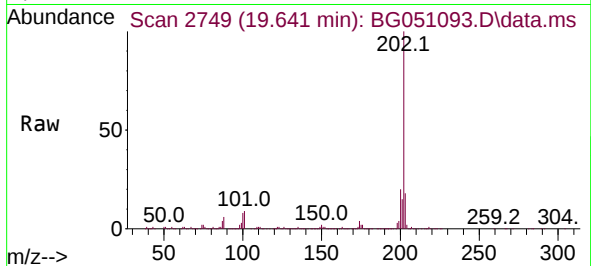




#75
Fluoranthene
Concen: 22.229 ng
RT: 19.641 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

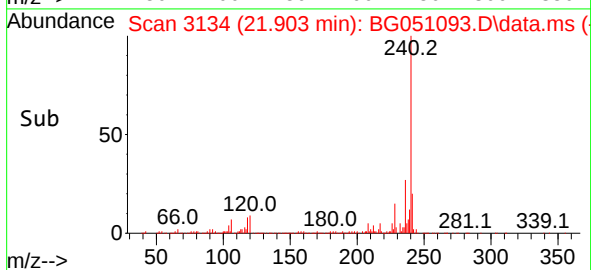
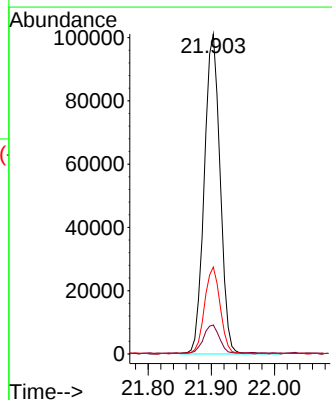
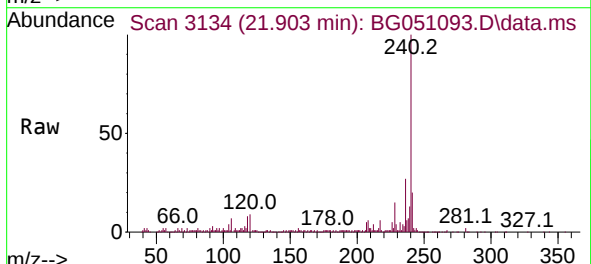
Instrument :
BNA_G
ClientSampleId :
COMP-3

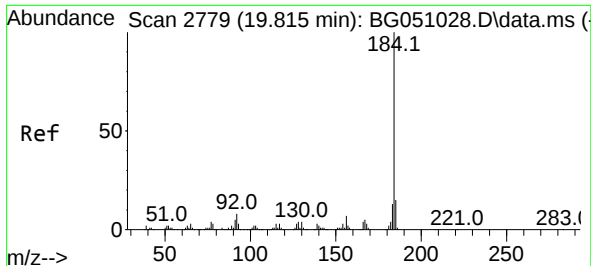
Tgt Ion:202 Resp: 317869
Ion Ratio Lower Upper
202 100
101 9.4 0.0 24.7
203 18.1 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.903 min Scan# 3134
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:240 Resp: 175761
Ion Ratio Lower Upper
240 100
120 9.0 4.2 6.2#
236 27.2 21.8 32.6

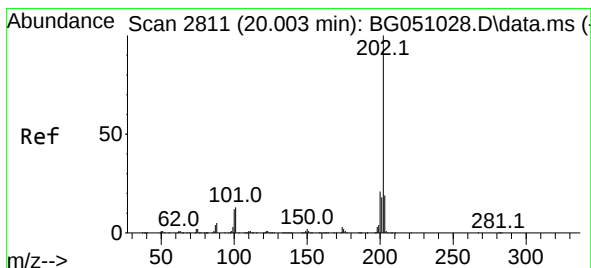
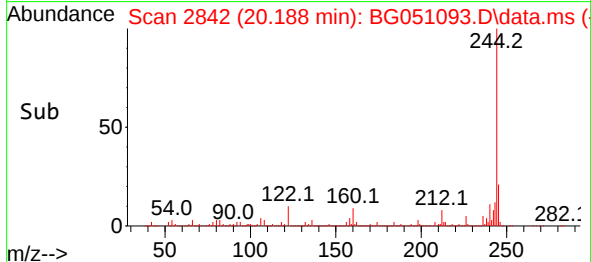
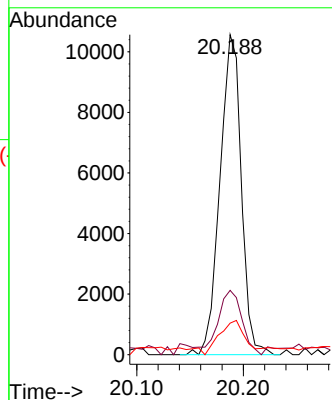
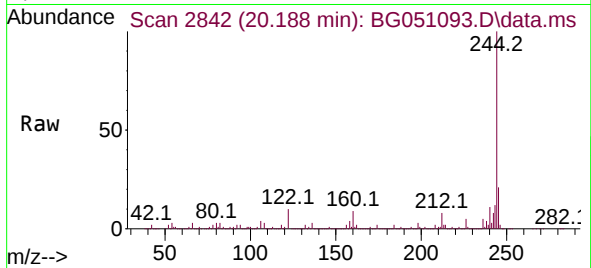




#77
Benzidine
Concen: 4.410 ng
RT: 20.188 min Scan# 21
Delta R.T. 0.372 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

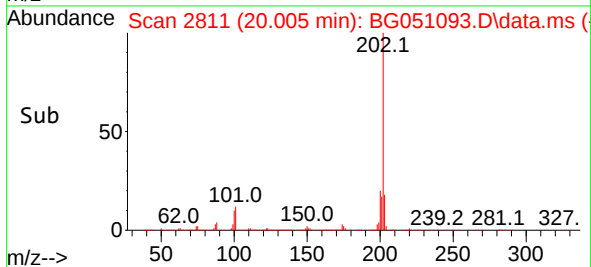
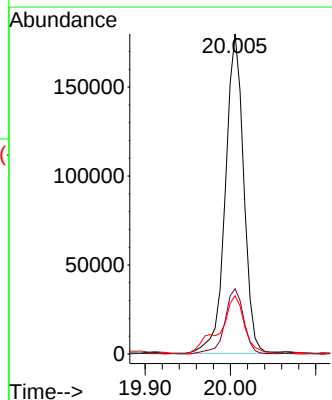
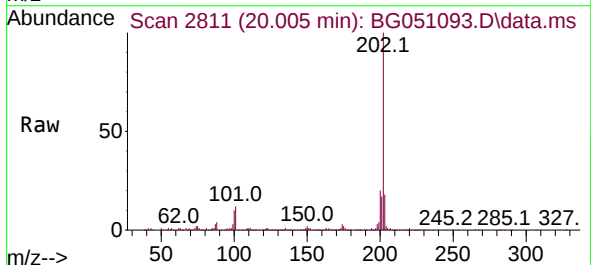
Instrument :
BNA_G
ClientSampleId :
COMP-3

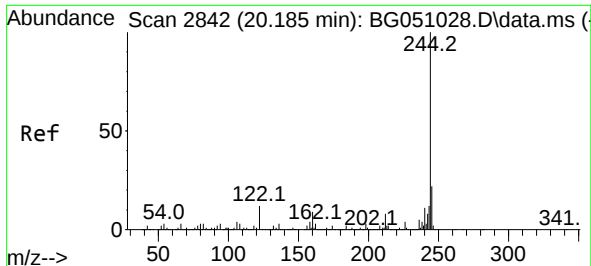
Tgt Ion:184 Resp: 14650
Ion Ratio Lower Upper
184 100
185 20.1 10.7 16.1#
183 9.9 9.4 14.0



#78
Pyrene
Concen: 20.355 ng
RT: 20.005 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:202 Resp: 268386
Ion Ratio Lower Upper
202 100
200 20.4 15.8 23.8
203 18.2 14.6 21.8

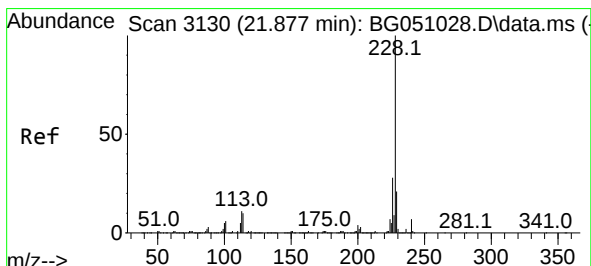
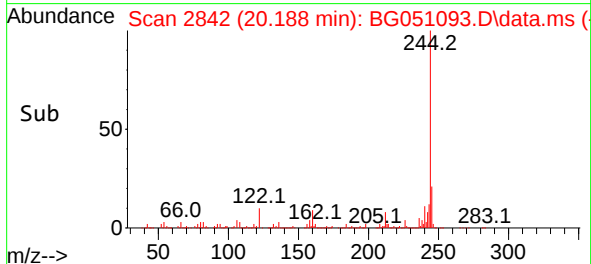
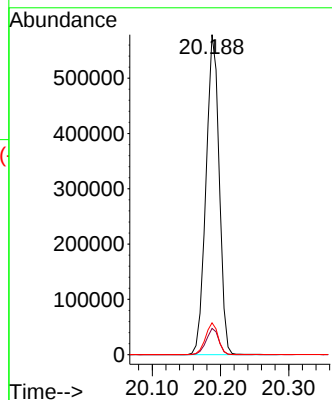
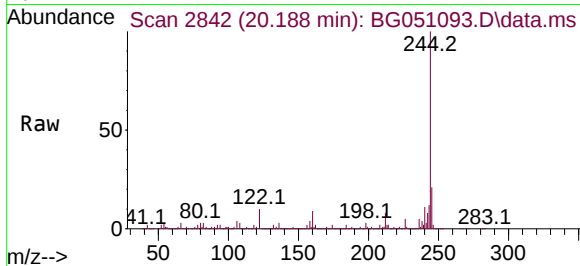




#79
 Terphenyl-d14
 Concen: 81.095 ng
 RT: 20.188 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG051093.D
 Acq: 17 Nov 2021 15:37

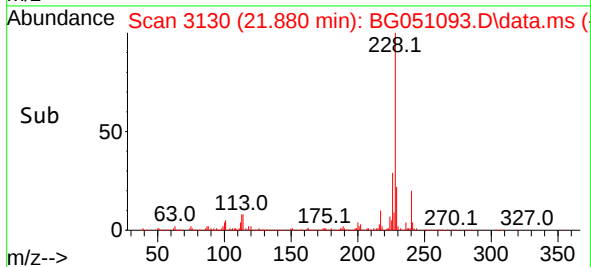
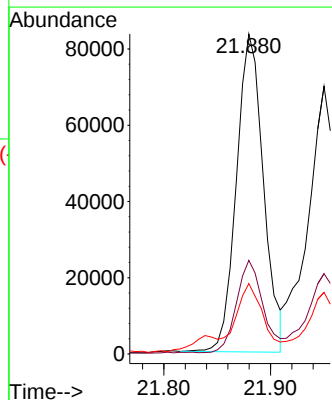
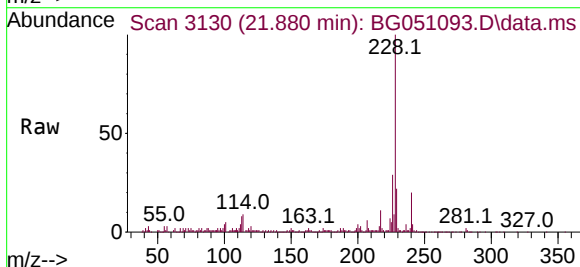
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

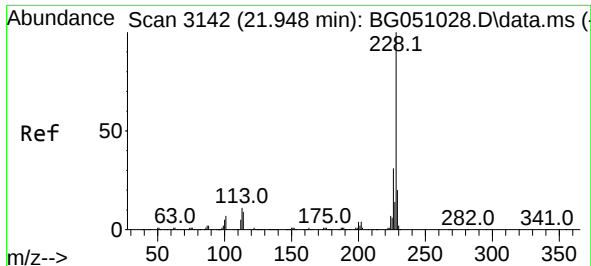
Tgt Ion:244 Resp: 778963
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.9 10.3
 122 10.0 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 12.200 ng
 RT: 21.880 min Scan# 3130
 Delta R.T. 0.002 min
 Lab File: BG051093.D
 Acq: 17 Nov 2021 15:37

Tgt Ion:228 Resp: 147240
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.7 34.1
 229 22.0 16.0 24.0

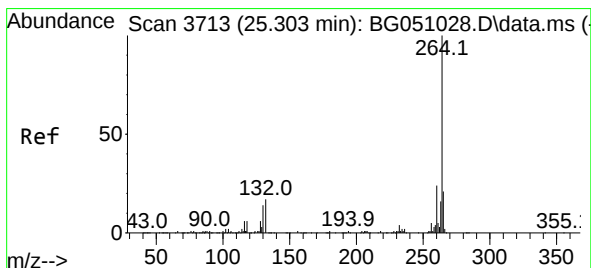
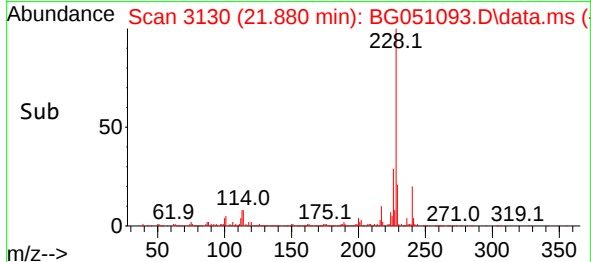
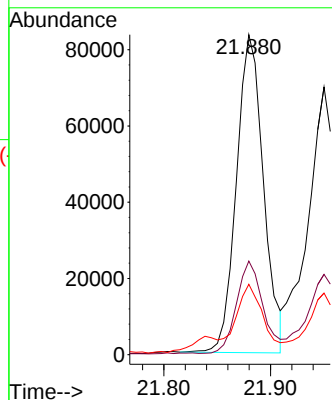
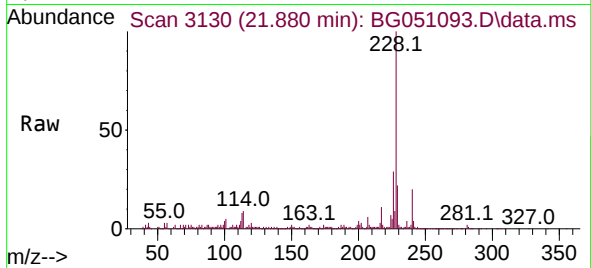




#83
Chrysene
Concen: 12.933 ng
RT: 21.880 min Scan# 3142
Delta R.T. -0.068 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

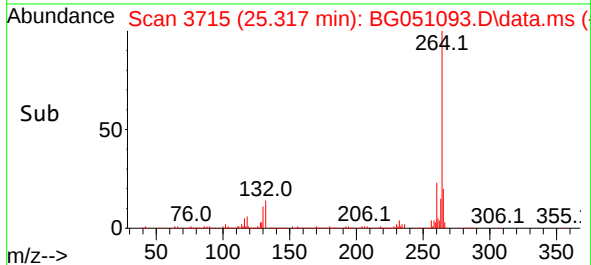
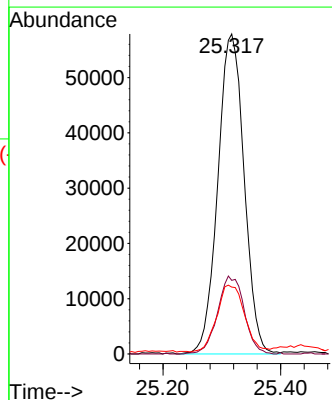
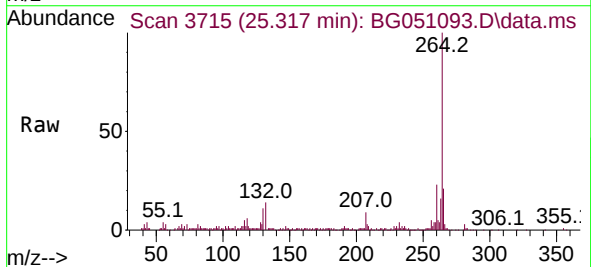
Instrument :
BNA_G
ClientSampleId :
COMP-3

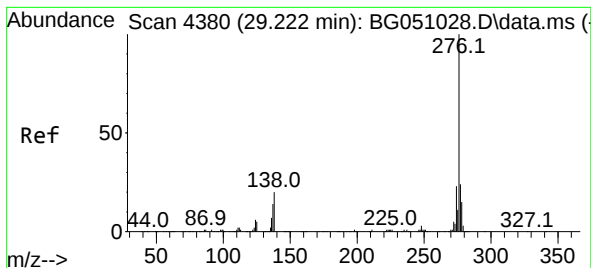
Tgt Ion:228 Resp: 147240
Ion Ratio Lower Upper
228 100
226 29.2 23.1 34.7
229 22.0 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.317 min Scan# 3715
Delta R.T. 0.014 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:264 Resp: 179923
Ion Ratio Lower Upper
264 100
260 23.0 19.4 29.2
265 20.9 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.920 ng

RT: 29.236 min Scan# 41

Delta R.T. 0.014 min

Lab File: BG051093.D

Acq: 17 Nov 2021 15:37

Instrument :

BNA_G

ClientSampleId :

COMP-3

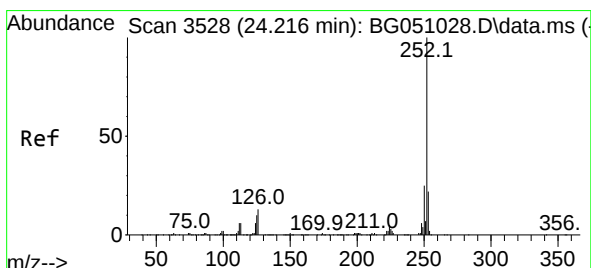
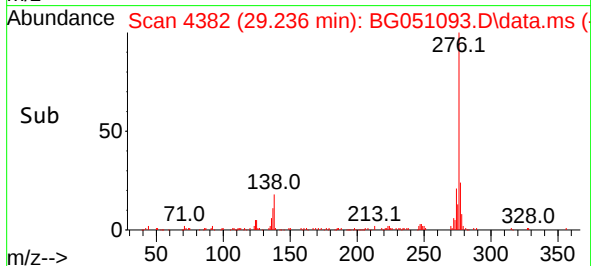
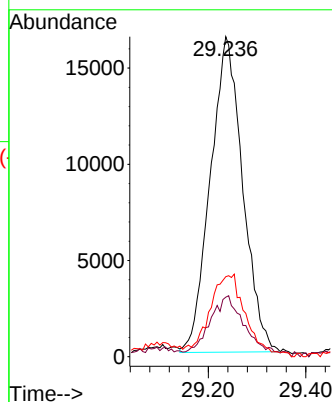
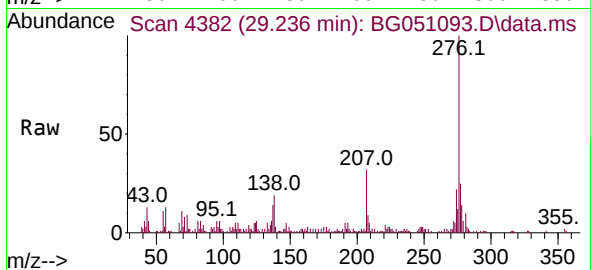
Tgt Ion:276 Resp: 75602

Ion Ratio Lower Upper

276 100

138 18.3 5.1 7.7#

277 29.3 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 14.690 ng

RT: 24.224 min Scan# 3529

Delta R.T. 0.008 min

Lab File: BG051093.D

Acq: 17 Nov 2021 15:37

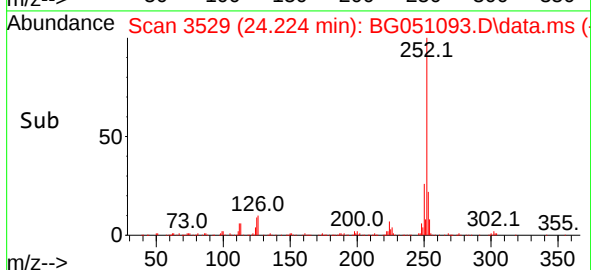
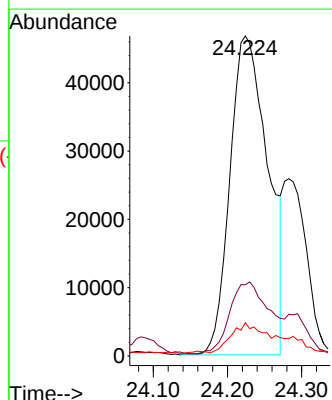
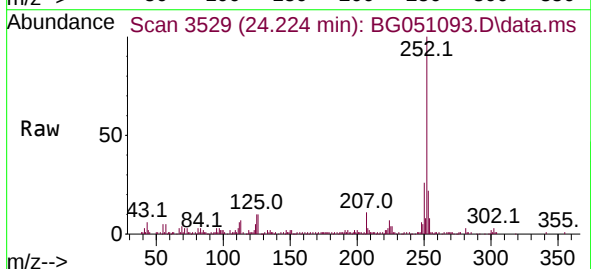
Tgt Ion:252 Resp: 166375

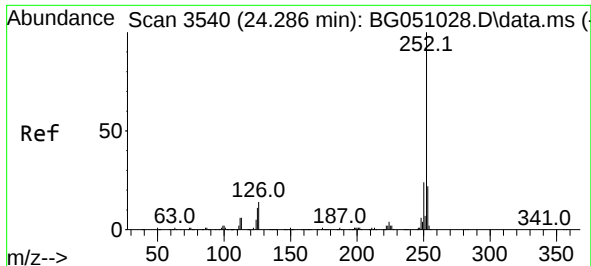
Ion Ratio Lower Upper

252 100

253 22.3 16.2 24.4

125 10.4 3.0 4.4#

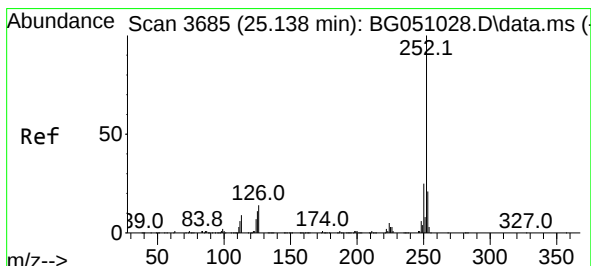
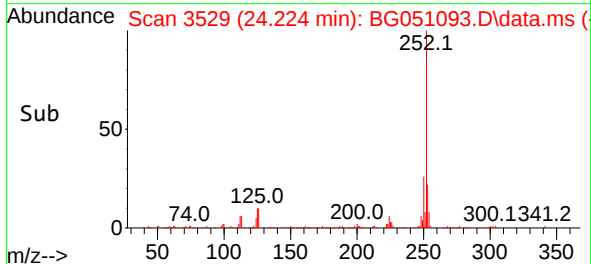
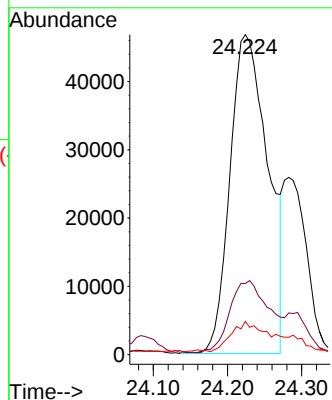
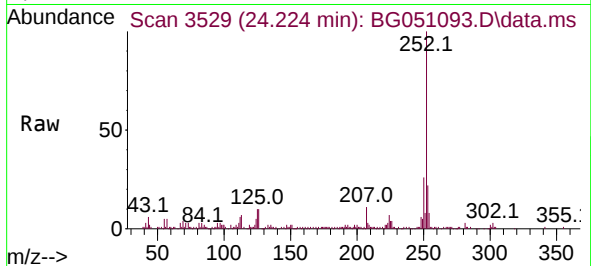




#89
Benzo(k)fluoranthene
Concen: 14.729 ng
RT: 24.224 min Scan# 31
Delta R.T. -0.062 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

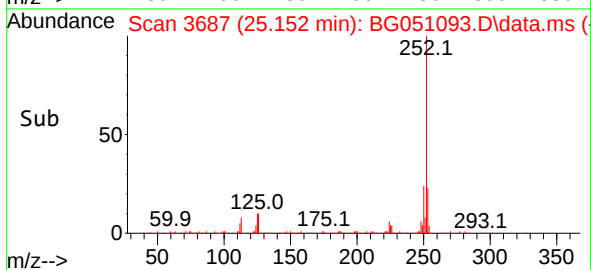
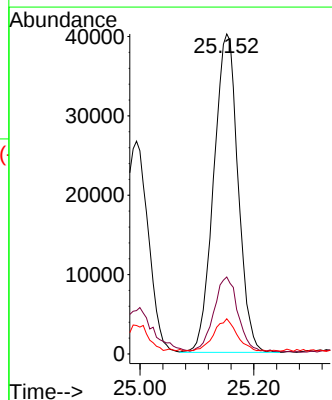
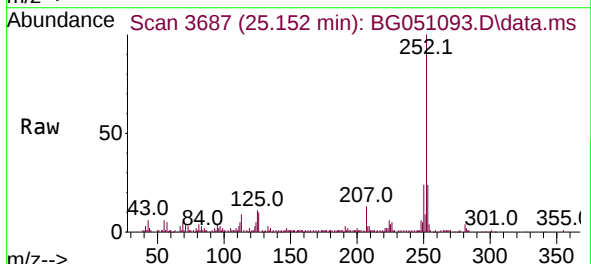
Instrument :
BNA_G
ClientSampleId :
COMP-3

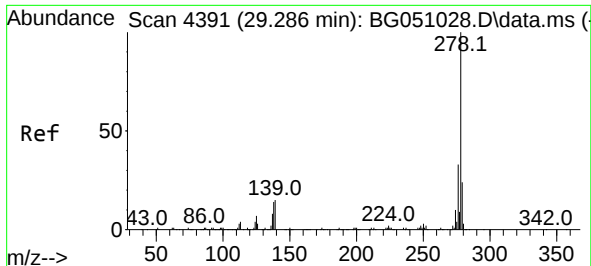
Tgt Ion:252 Resp: 166375
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 10.4 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 12.300 ng
RT: 25.152 min Scan# 3687
Delta R.T. 0.014 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:252 Resp: 118929
Ion Ratio Lower Upper
252 100
253 24.1 16.6 25.0
125 11.0 3.5 5.3#

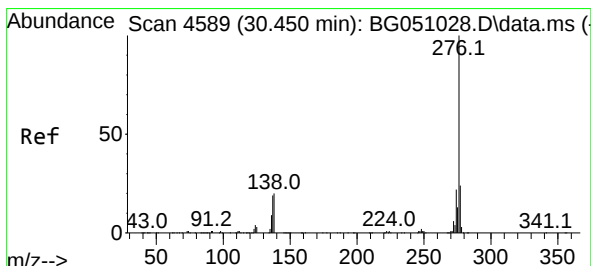
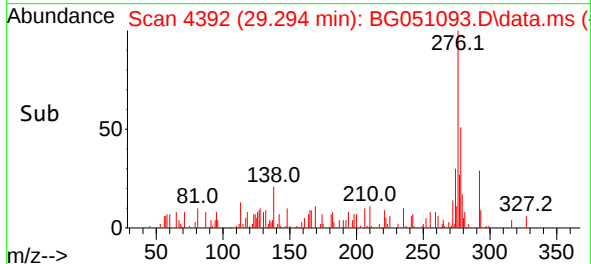
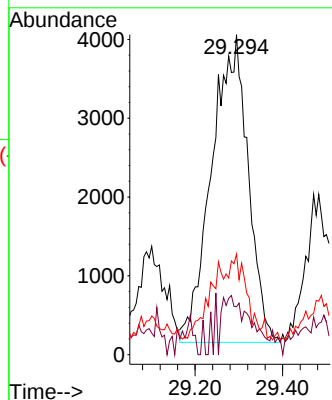
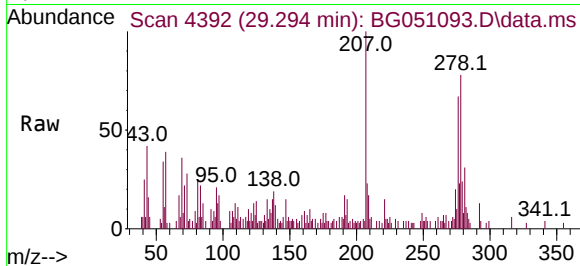




#91
 Dibenzo(a,h)anthracene
 Concen: 2.135 ng
 RT: 29.294 min Scan# 41
 Delta R.T. 0.008 min
 Lab File: BG051093.D
 Acq: 17 Nov 2021 15:37

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Tgt Ion:278 Resp: 22444
 Ion Ratio Lower Upper
 278 100
 139 15.0 4.6 6.8#
 279 31.5 17.9 26.9#



#92
 Benzo(g,h,i)perylene
 Concen: 6.942 ng
 RT: 30.475 min Scan# 4593
 Delta R.T. 0.026 min
 Lab File: BG051093.D
 Acq: 17 Nov 2021 15:37

Tgt Ion:276 Resp: 71833
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.4 27.6
 138 17.4 7.0 10.6#

