

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051097.D
 Acq On : 17 Nov 2021 18:21
 Operator : CG/JU
 Sample : M4680-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Nov 18 00:03:55 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

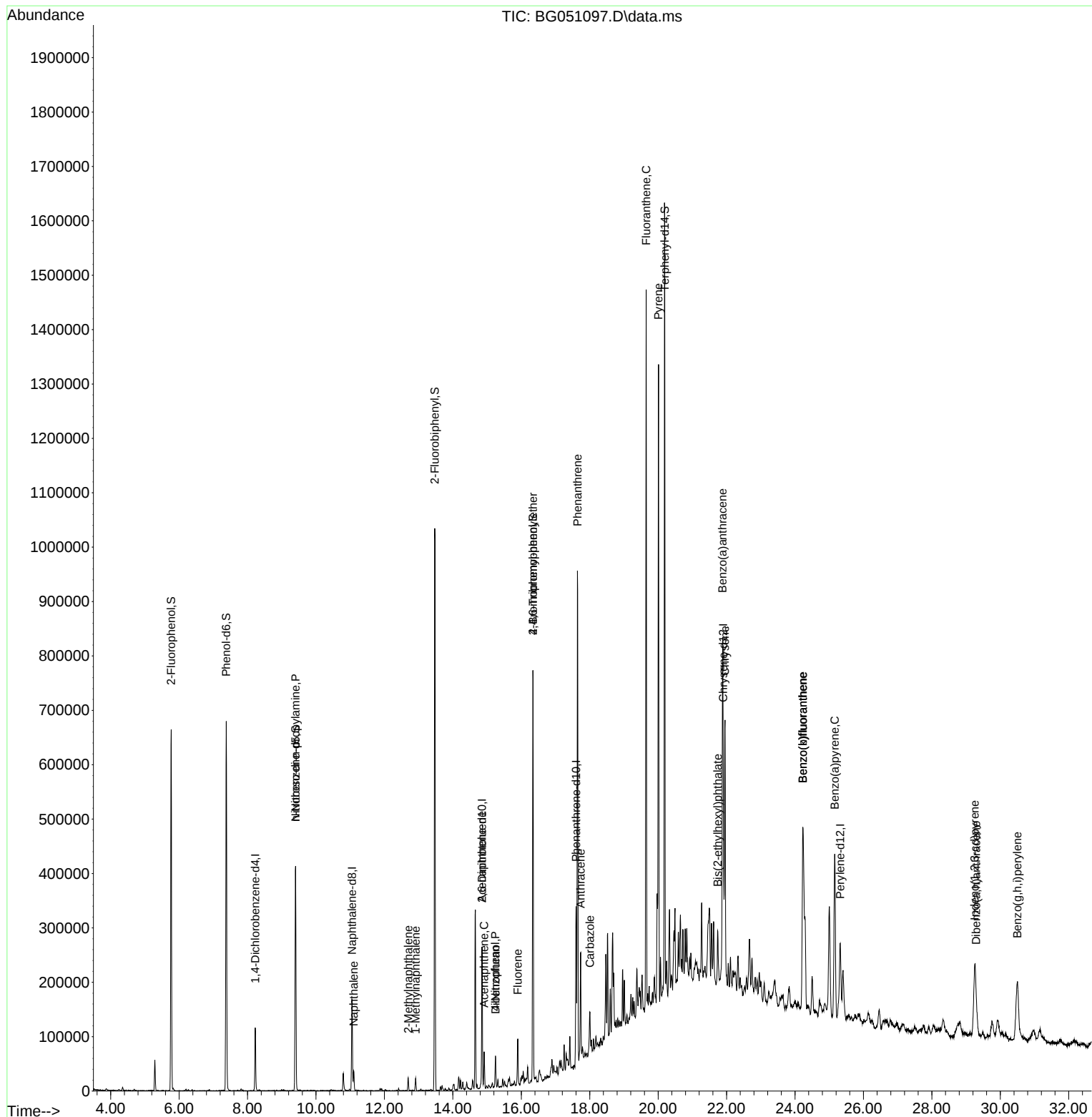
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	32554	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	145013	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	92051	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	181576	20.000	ng	# 0.00
76) Chrysene-d12	21.902	240	149911	20.000	ng	# 0.00
86) Perylene-d12	25.321	264	157425	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.768	112	292273	134.304	ng	0.00
7) Phenol-d6	7.378	99	395904	128.891	ng	0.00
23) Nitrobenzene-d5	9.405	82	274204	83.703	ng	0.00
42) 2,4,6-Tribromophenol	16.344	330	127578	138.494	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	543783	93.339	ng	0.00
79) Terphenyl-d14	20.192	244	663617	81.000	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.405	70	38232	16.843	ng	# 70
31) Naphthalene	11.103	128	30433	3.908	ng	98
37) 2-Methylnaphthalene	12.695	142	11492	2.172	ng	89
38) 1-Methylnaphthalene	12.912	142	10825	2.094	ng	# 93
51) 2,6-Dinitrotoluene	14.851	165	12856	8.625	ng	# 12
52) Acenaphthene	14.916	154	22967	4.624	ng	94
55) Dibenzofuran	15.251	168	31506	3.729	ng	93
56) 4-Nitrophenol	15.245	139	12275	9.210	ng	# 1
58) Fluorene	15.897	166	37836	5.738	ng	97
67) 4-Bromophenyl-phenylether	16.344	248	9635	5.066	ng	# 1
71) Phenanthrene	17.642	178	576596	59.533	ng	97
72) Anthracene	17.736	178	135002	14.015	ng	99
73) Carbazole	18.006	167	52705	5.525	ng	99
75) Fluoranthene	19.652	202	808842	68.070	ng	97
78) Pyrene	20.010	202	748051	66.515	ng	95
81) Benzo(a)anthracene	21.884	228	395277	38.400	ng	99
83) Chrysene	21.955	228	359154	36.986	ng	95
84) Bis(2-ethylhexyl)phtha...	21.743	149	35910	5.276	ng	96
87) Indeno(1,2,3-cd)pyrene	29.252	276	250887	22.453	ng	# 93
88) Benzo(b)fluoranthene	24.229	252	450996	45.513	ng	# 93
89) Benzo(k)fluoranthene	24.229	252	450996	45.633	ng	# 97
90) Benzo(a)pyrene	25.163	252	348908	41.243	ng	# 92
91) Dibenzo(a,h)anthracene	29.293	278	59776	6.498	ng	# 78
92) Benzo(g,h,i)perylene	30.498	276	260935	28.821	ng	# 92

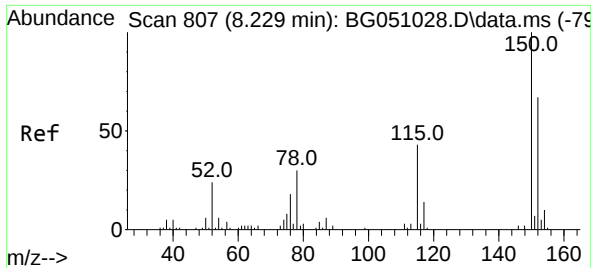
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051097.D
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 18 00:03:55 2021
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QLast Update : Mon Nov 15 03:55:35 2021
Response via : Initial Calibration

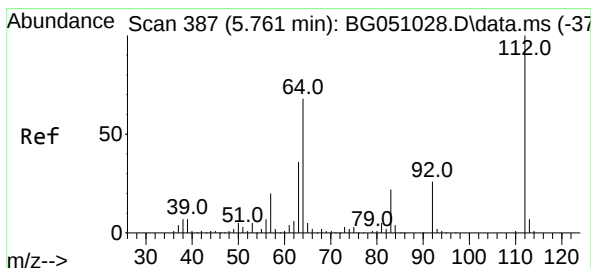
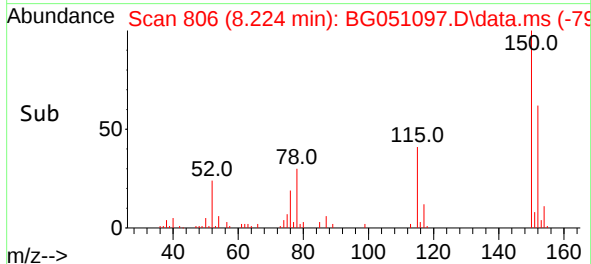
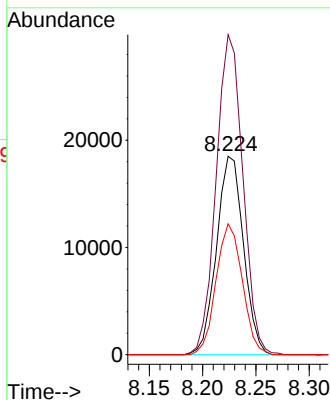
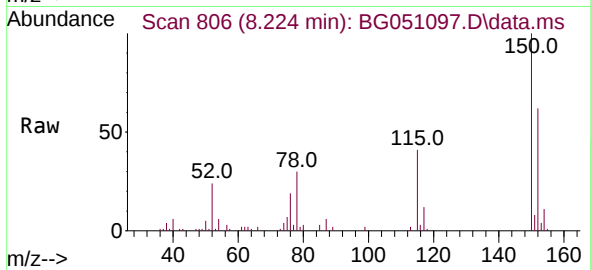




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 807
Delta R.T. -0.005 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

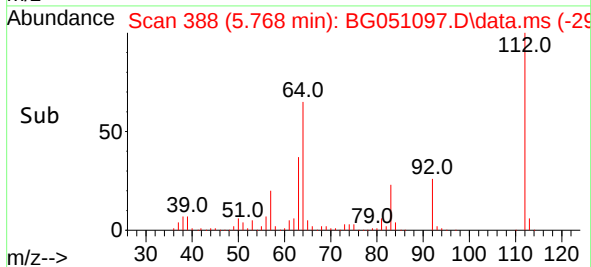
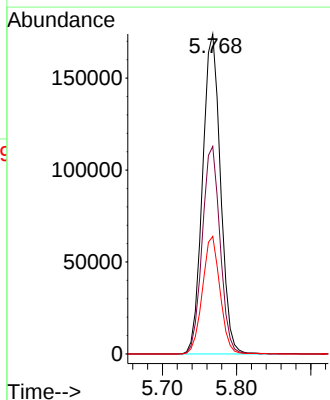
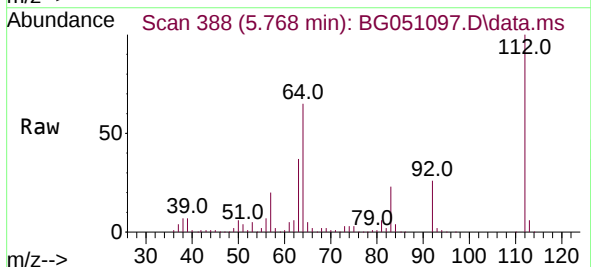
Instrument :
BNA_G
ClientSampleId :
COMP-1

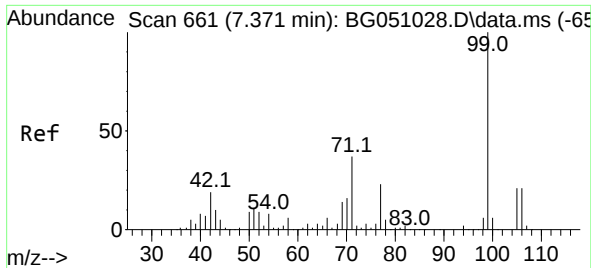
Tgt Ion:152 Resp: 32554
Ion Ratio Lower Upper
152 100
150 161.3 119.4 179.0
115 65.9 60.2 90.4



#5
2-Fluorophenol
Concen: 134.304 ng
RT: 5.768 min Scan# 388
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:112 Resp: 292273
Ion Ratio Lower Upper
112 100
64 64.9 46.7 70.1
63 36.8 35.3 52.9

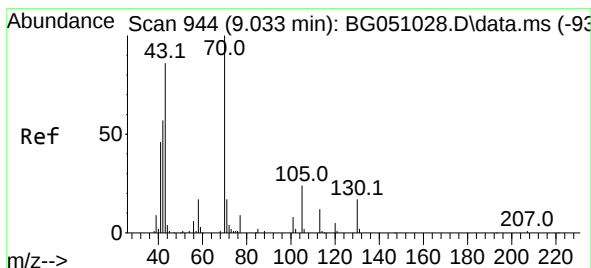
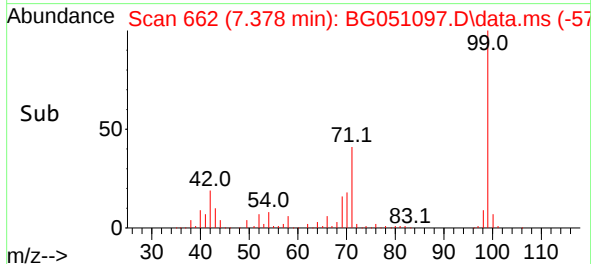
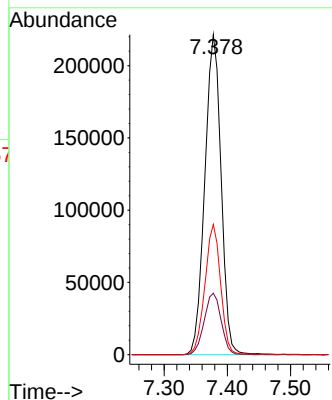
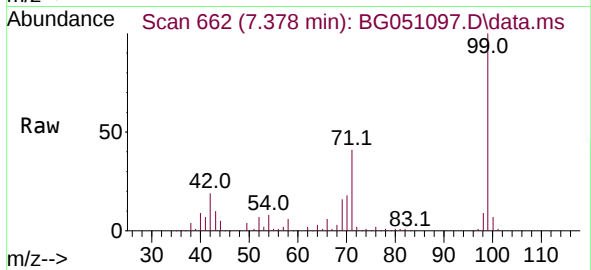




#7
Phenol-d6
Concen: 128.891 ng
RT: 7.378 min Scan# 60
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

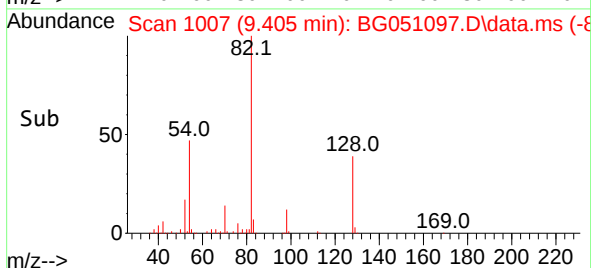
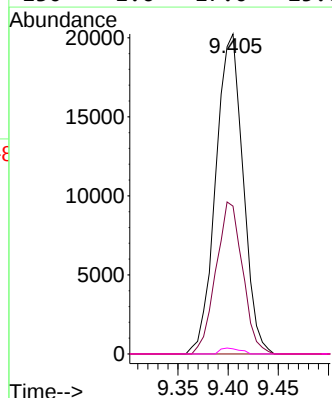
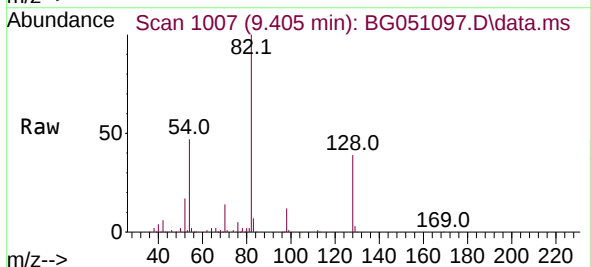
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ClientSampleId :
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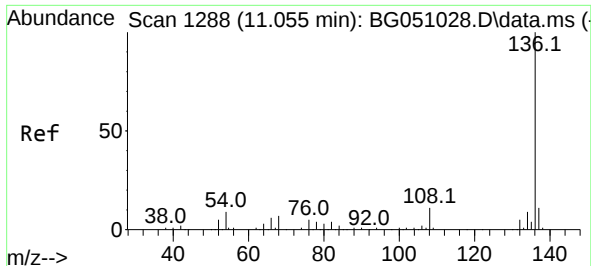
Tgt Ion: 99 Resp: 395904
Ion Ratio Lower Upper
99 100
42 19.2 20.5 30.7#
71 40.7 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 16.843 ng
RT: 9.405 min Scan# 1007
Delta R.T. 0.371 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion: 70 Resp: 38232
Ion Ratio Lower Upper
70 100
42 46.2 54.5 81.7#
101 0.0 9.0 13.6#
130 1.6 17.0 25.6#

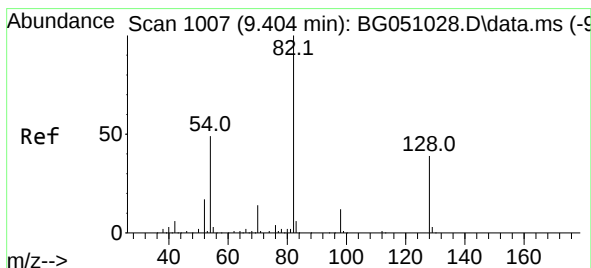
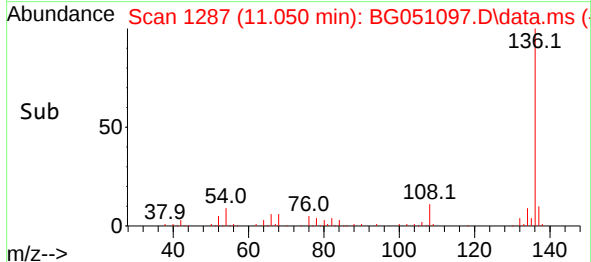
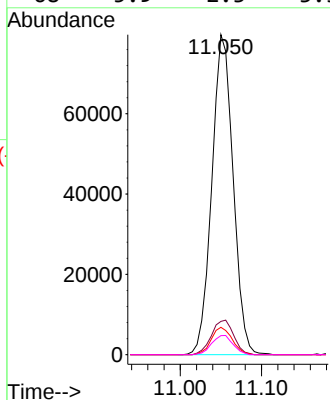
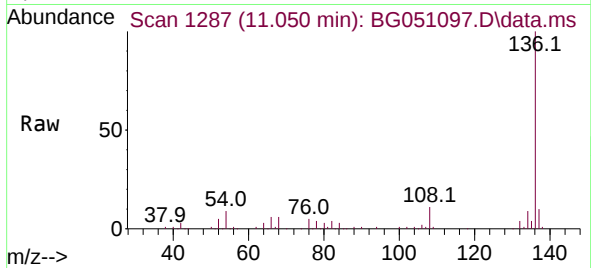




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

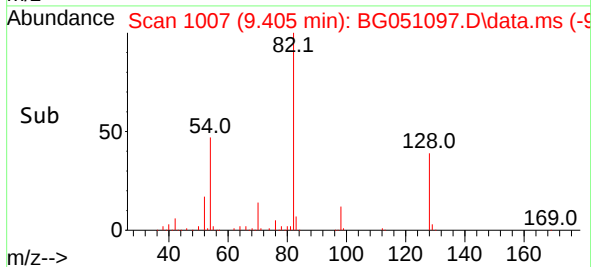
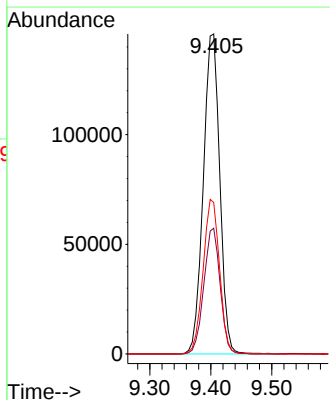
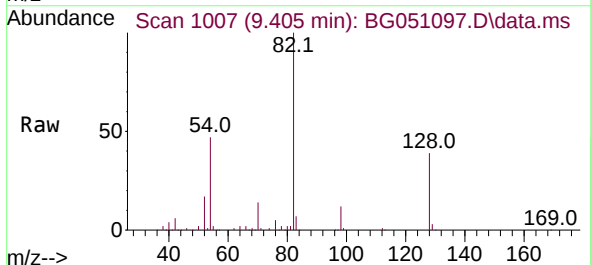
Instrument :
BNA_G
ClientSampleId :
COMP-1

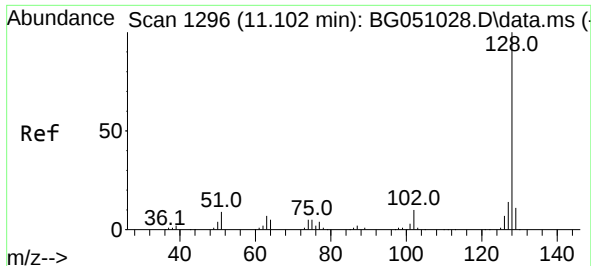
Tgt Ion:136 Resp: 145013
Ion Ratio Lower Upper
136 100
137 10.4 8.2 12.2
54 8.6 5.5 8.3#
68 5.9 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 83.703 ng
RT: 9.405 min Scan# 1007
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion: 82 Resp: 274204
Ion Ratio Lower Upper
82 100
128 39.3 29.8 44.6
54 47.3 45.8 68.8

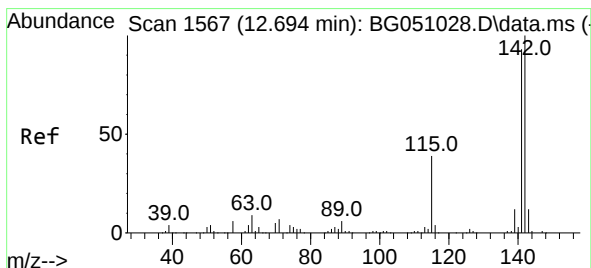
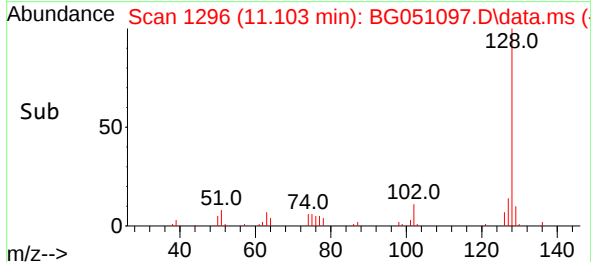
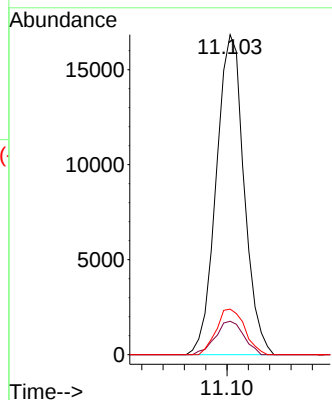
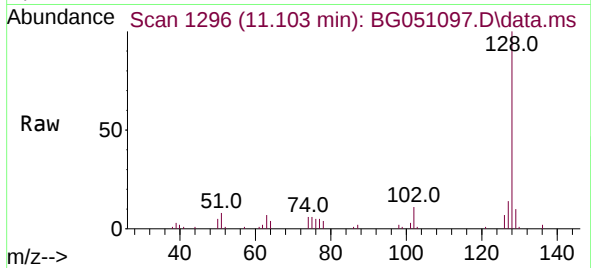




#31
Naphthalene
Concen: 3.908 ng
RT: 11.103 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

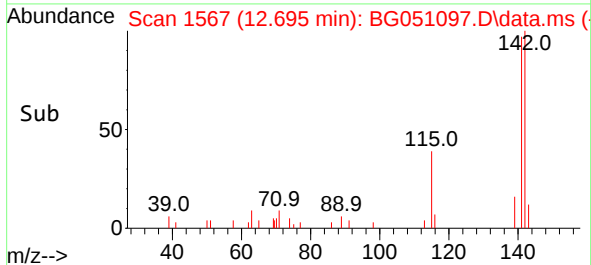
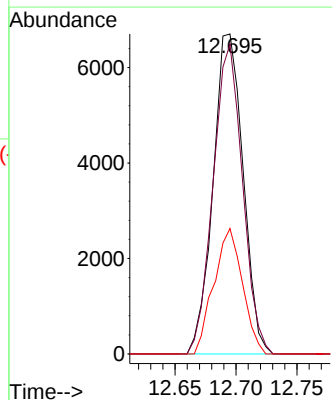
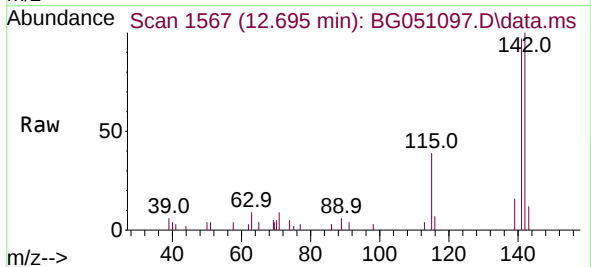
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ClientSampleId :
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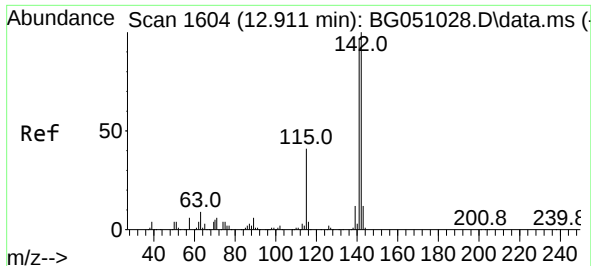
Tgt Ion:128 Resp: 30433
Ion Ratio Lower Upper
128 100
129 10.5 8.5 12.7
127 14.2 10.2 15.4



#37
2-Methylnaphthalene
Concen: 2.172 ng
RT: 12.695 min Scan# 1567
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:142 Resp: 11492
Ion Ratio Lower Upper
142 100
141 96.8 68.8 103.2
115 39.2 36.4 54.6

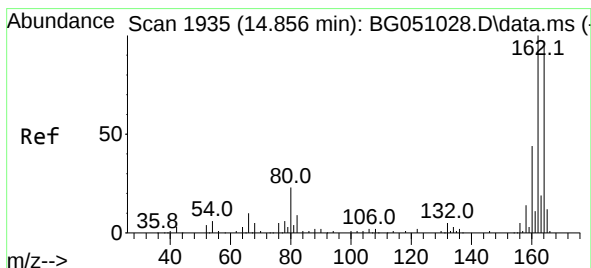
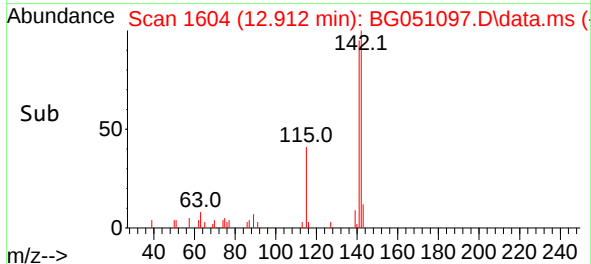
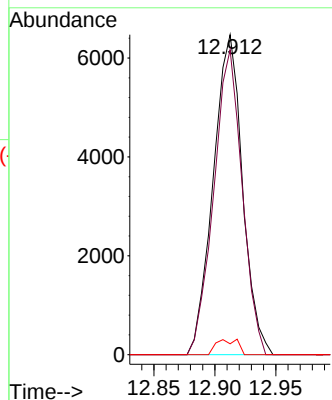
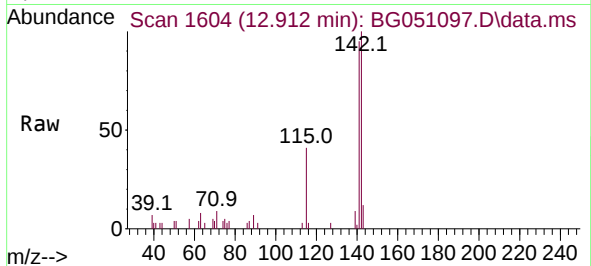




#38
1-Methylnaphthalene
Concen: 2.094 ng
RT: 12.912 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

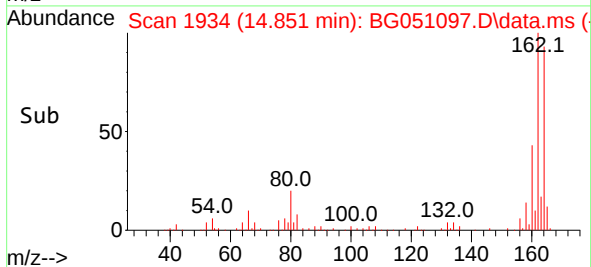
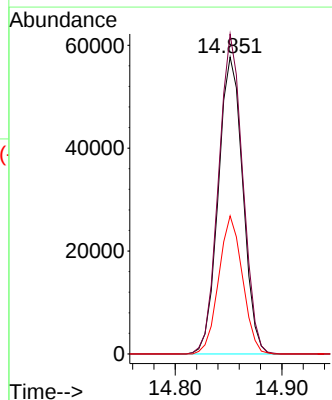
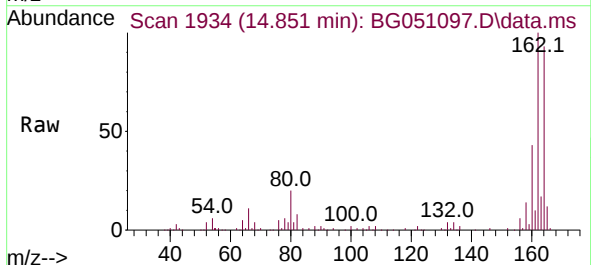
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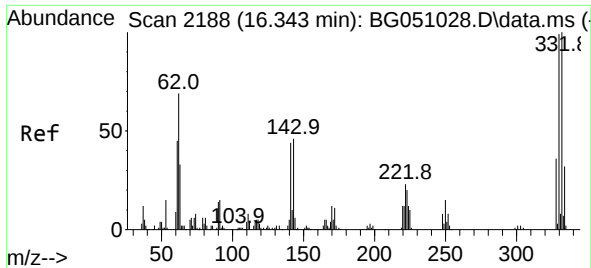
Tgt Ion:142 Resp: 10825
Ion Ratio Lower Upper
142 100
141 95.3 70.6 106.0
116 3.4 4.0 6.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:164 Resp: 92051
Ion Ratio Lower Upper
164 100
162 107.8 81.4 122.0
160 46.5 34.9 52.3

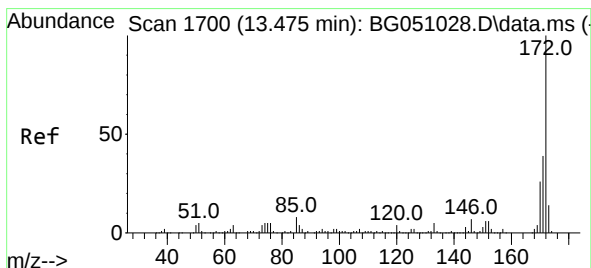
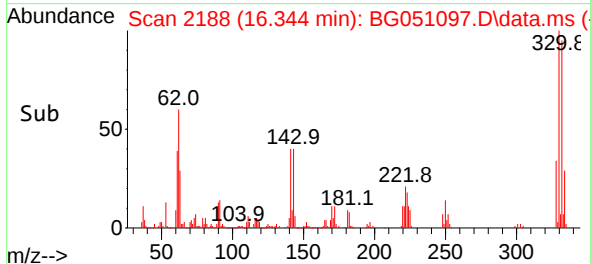
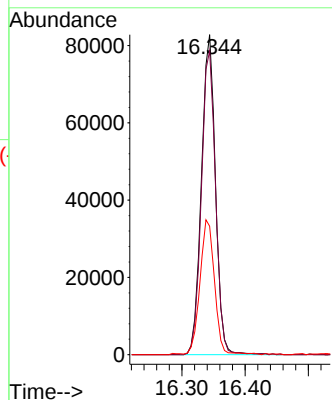
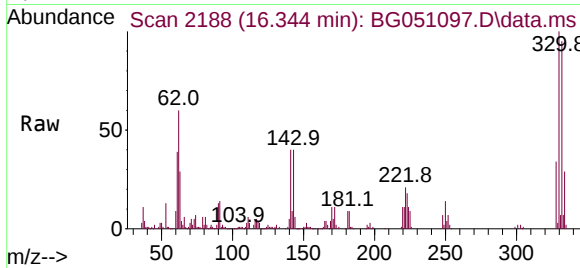




#42
2,4,6-Tribromophenol
Concen: 138.494 ng
RT: 16.344 min Scan# 2188
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

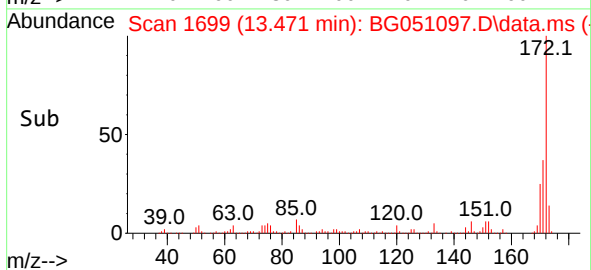
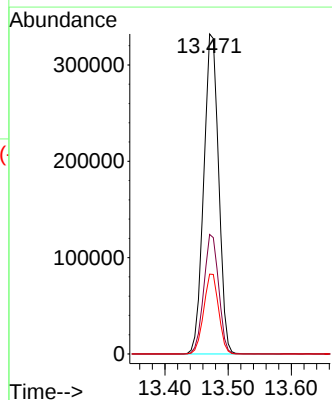
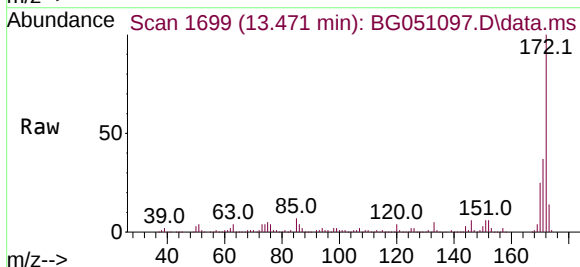
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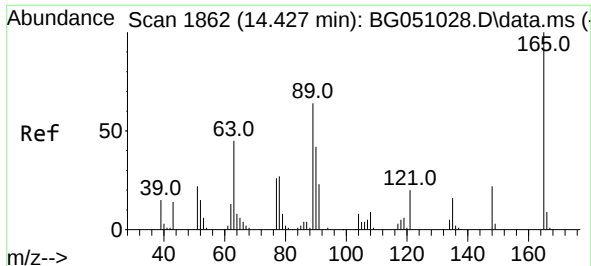
Tgt Ion:330 Resp: 127578
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 42.7 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 93.339 ng
RT: 13.471 min Scan# 1699
Delta R.T. -0.004 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:172 Resp: 543783
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 25.0 18.6 27.8

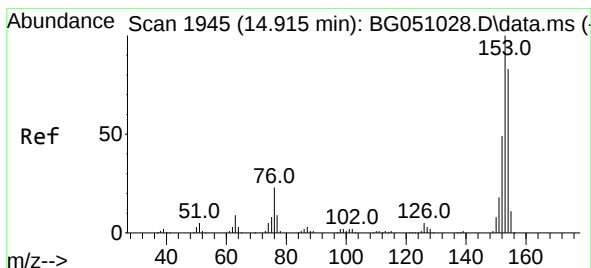
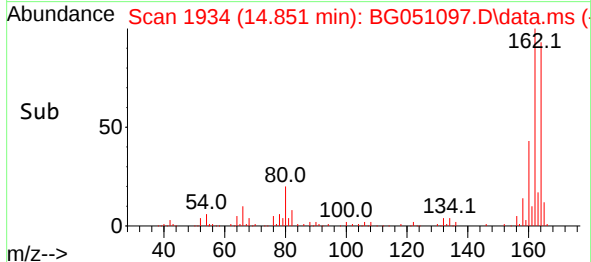
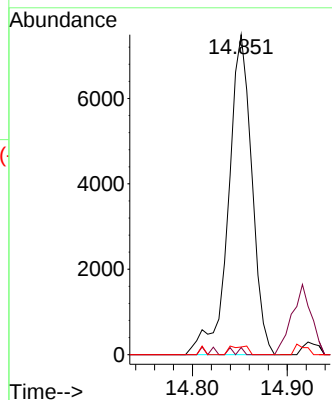
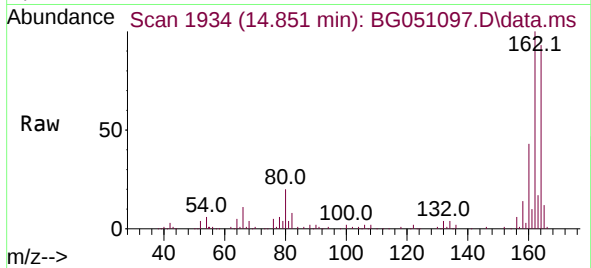




#51
2,6-Dinitrotoluene
Concen: 8.625 ng
RT: 14.851 min Scan# 1934
Delta R.T. 0.424 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

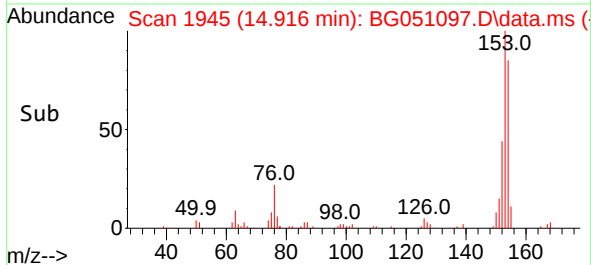
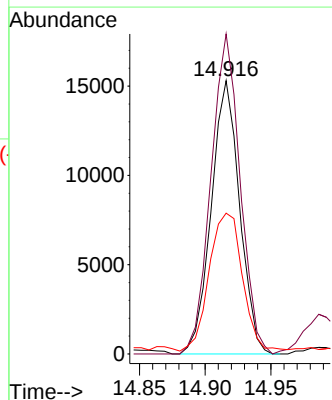
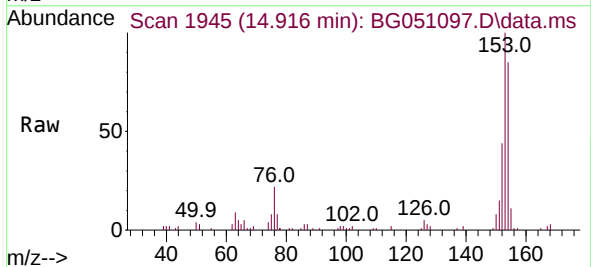
Instrument :
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ClientSampleId :
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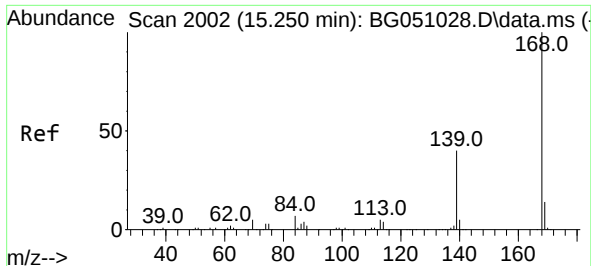
Tgt Ion:165 Resp: 12856
Ion Ratio Lower Upper
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63 2.3 63.3 94.9#
89 2.4 63.4 95.0#



#52
Acenaphthene
Concen: 4.624 ng
RT: 14.916 min Scan# 1945
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:154 Resp: 22967
Ion Ratio Lower Upper
154 100
153 117.1 87.0 130.4
152 51.5 40.1 60.1

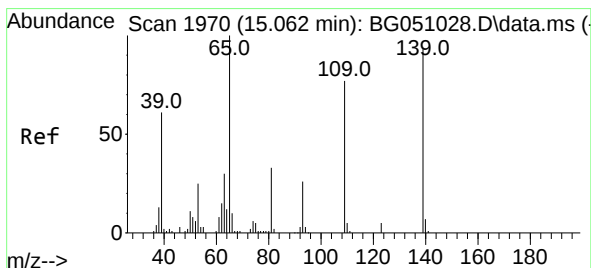
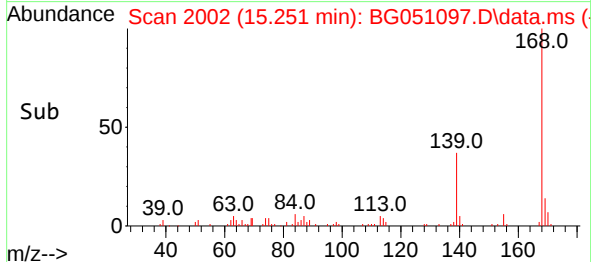
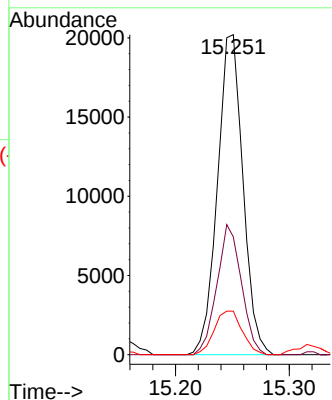
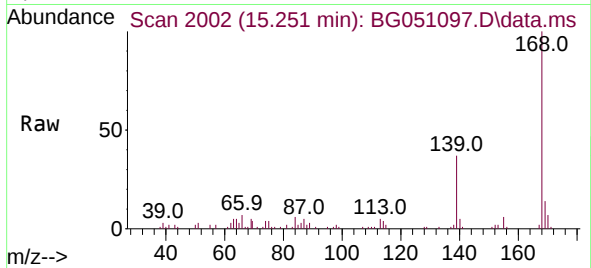




#55
Dibenzofuran
Concen: 3.729 ng
RT: 15.251 min Scan# 2001
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

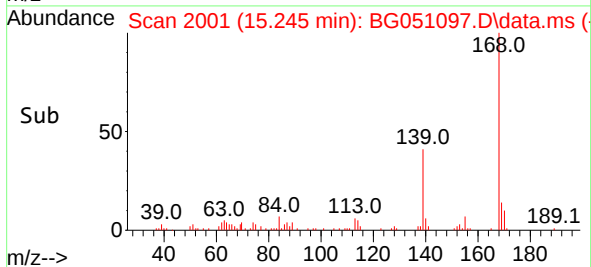
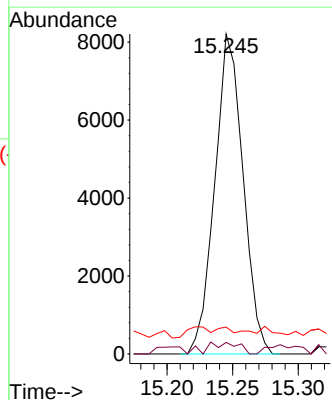
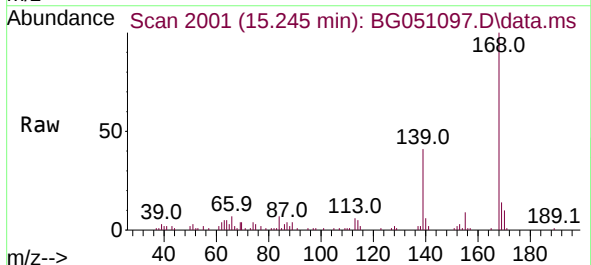
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ClientSampleId :
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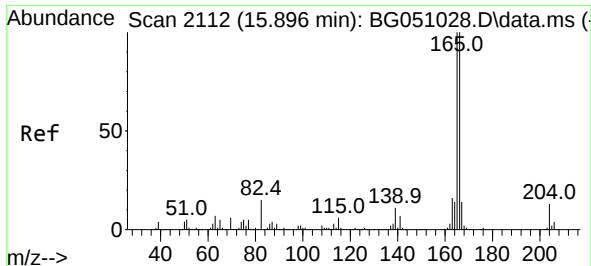
Tgt Ion:168 Resp: 31506
Ion Ratio Lower Upper
168 100
139 36.8 33.4 50.2
169 13.6 12.3 18.5



#56
4-Nitrophenol
Concen: 9.210 ng
RT: 15.245 min Scan# 2001
Delta R.T. 0.183 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:139 Resp: 12275
Ion Ratio Lower Upper
139 100
109 3.6 116.3 156.3#
65 8.4 105.0 145.0#

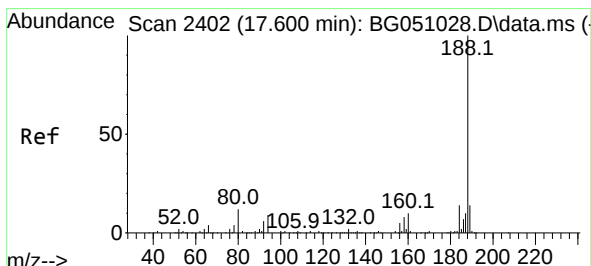
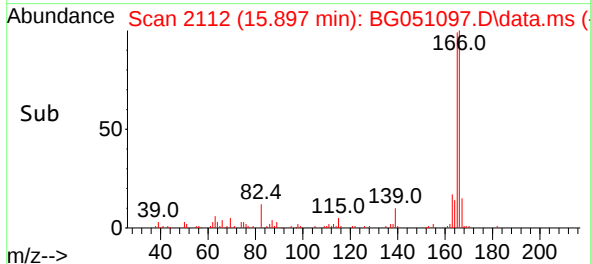
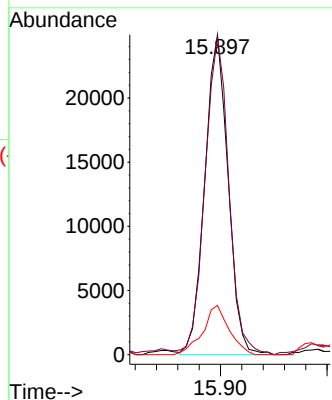
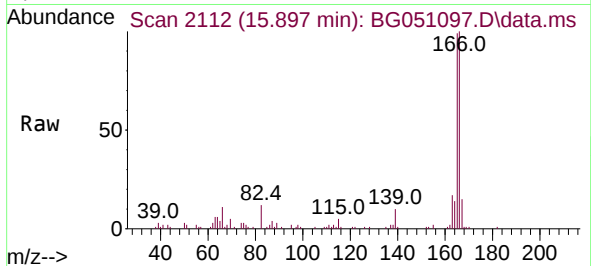




#58
 Fluorene
 Concen: 5.738 ng
 RT: 15.897 min Scan# 2112
 Delta R.T. 0.001 min
 Lab File: BG051097.D
 Acq: 17 Nov 2021 18:21

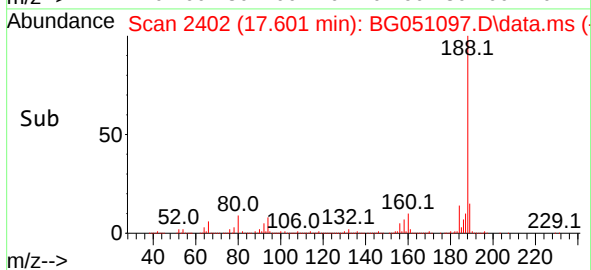
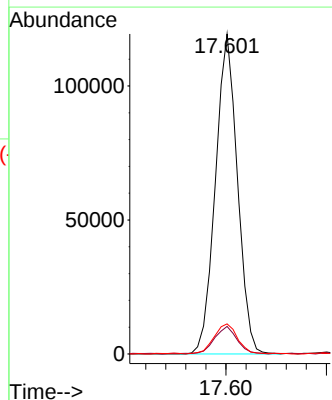
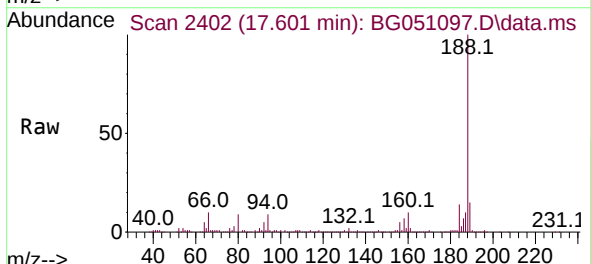
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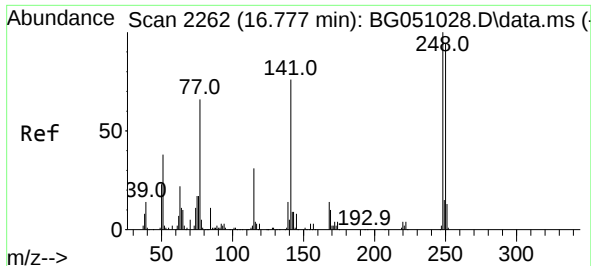
Tgt Ion:166 Resp: 37836
 Ion Ratio Lower Upper
 166 100
 165 99.3 77.7 116.5
 167 15.4 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.601 min Scan# 2402
 Delta R.T. 0.001 min
 Lab File: BG051097.D
 Acq: 17 Nov 2021 18:21

Tgt Ion:188 Resp: 181576
 Ion Ratio Lower Upper
 188 100
 94 8.6 5.4 8.0#
 80 9.4 3.7 5.5#

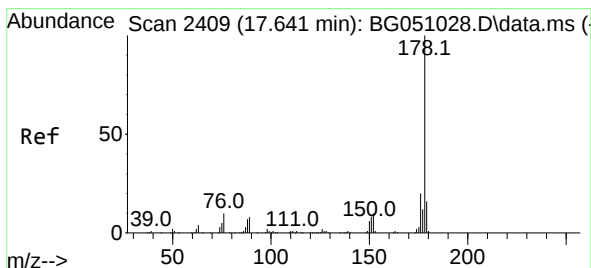
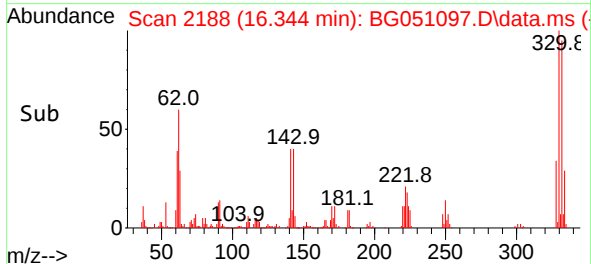
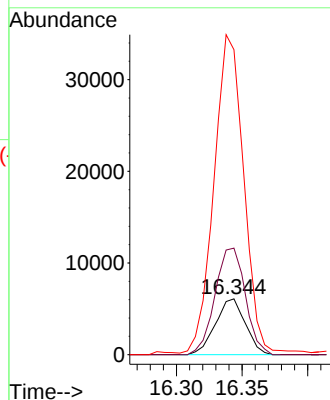
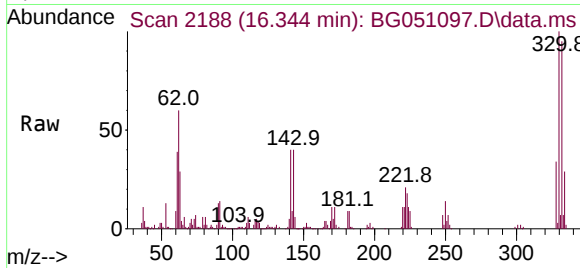




#67
4-Bromophenyl-phenylether
Concen: 5.066 ng
RT: 16.344 min Scan# 2188
Delta R.T. -0.434 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

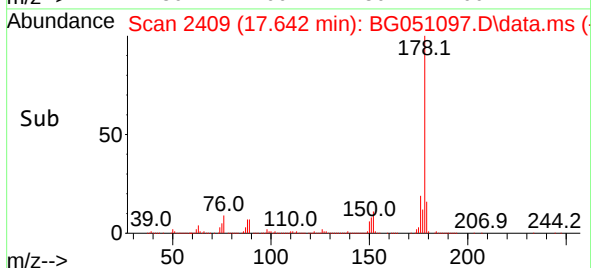
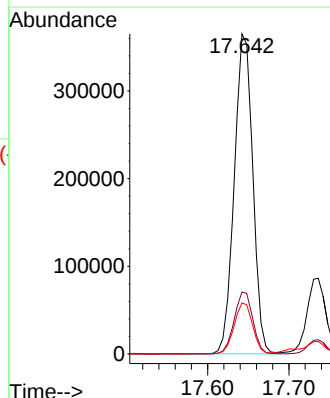
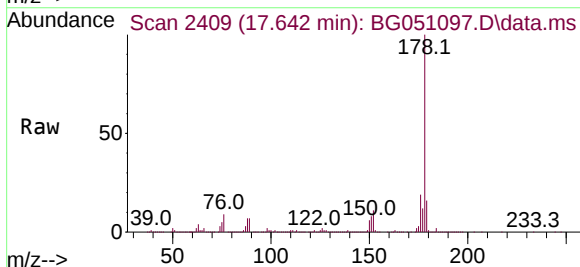
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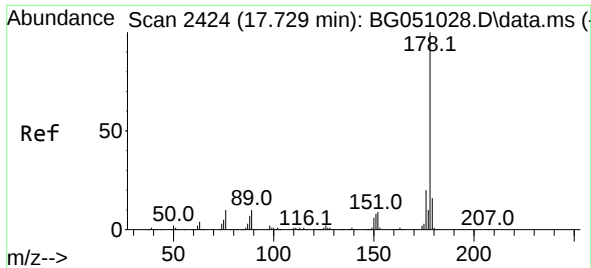
Tgt Ion:248 Resp: 9635
Ion Ratio Lower Upper
248 100
250 190.7 76.1 114.1#
141 545.8 65.4 98.2#



#71
Phenanthrene
Concen: 59.533 ng
RT: 17.642 min Scan# 2409
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:178 Resp: 576596
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 16.0 14.2 21.4

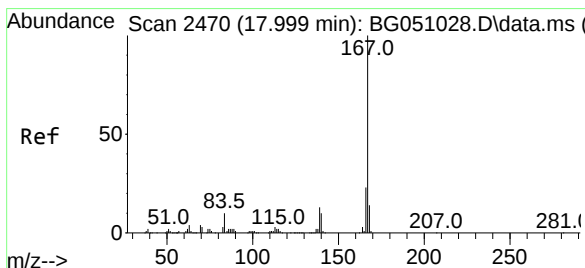
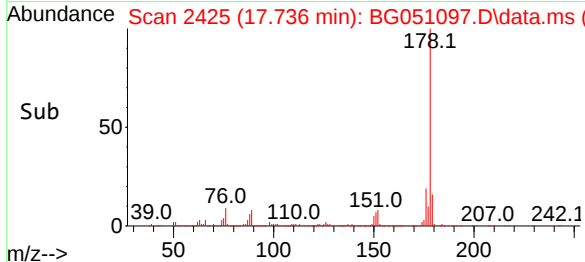
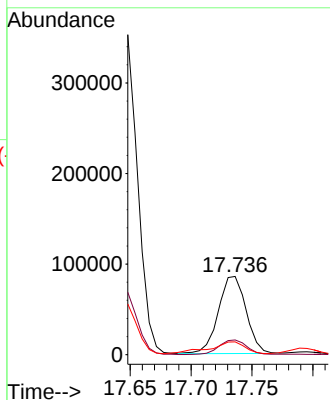
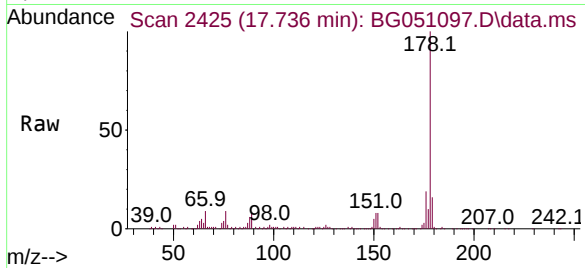




#72
Anthracene
Concen: 14.015 ng
RT: 17.736 min Scan# 2424
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

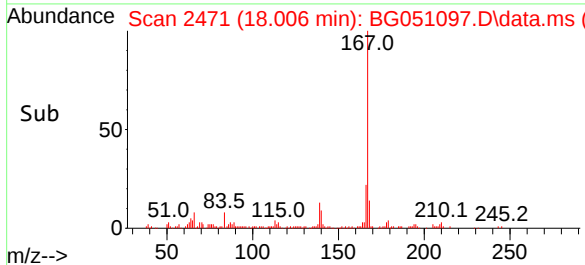
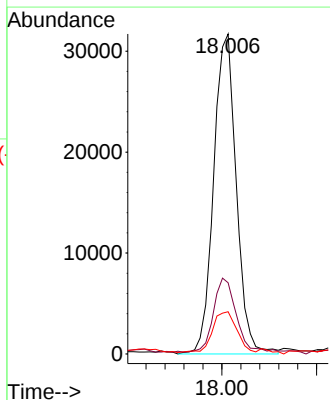
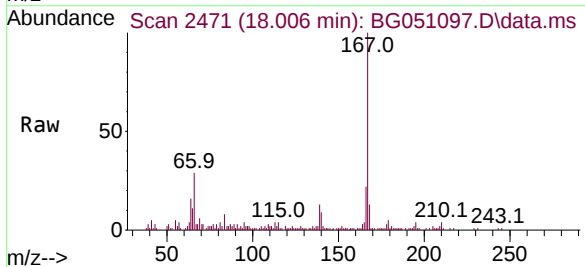
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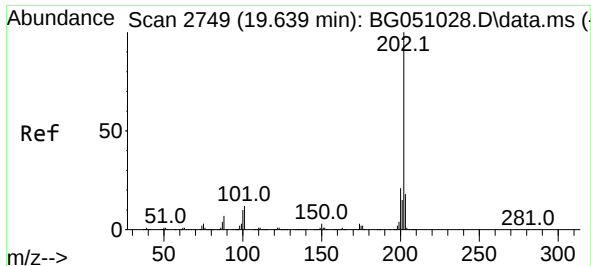
Tgt Ion:178 Resp: 135002
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 16.4 13.4 20.0



#73
Carbazole
Concen: 5.525 ng
RT: 18.006 min Scan# 2471
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:167 Resp: 52705
Ion Ratio Lower Upper
167 100
166 22.2 17.4 26.2
139 13.2 10.7 16.1

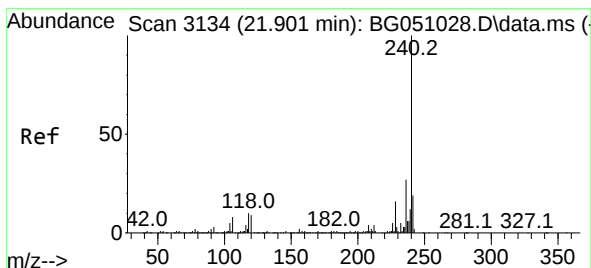
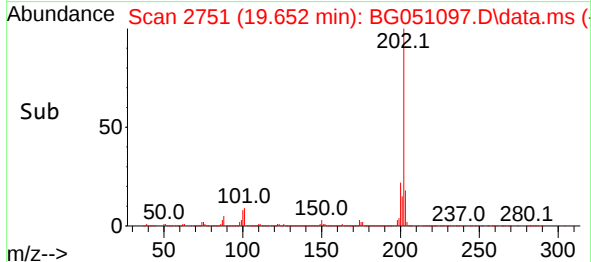
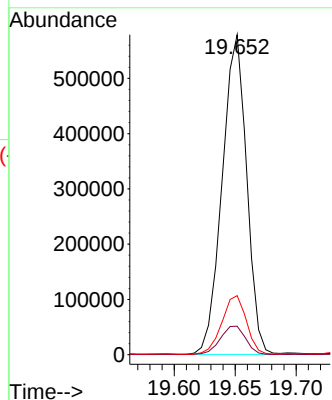
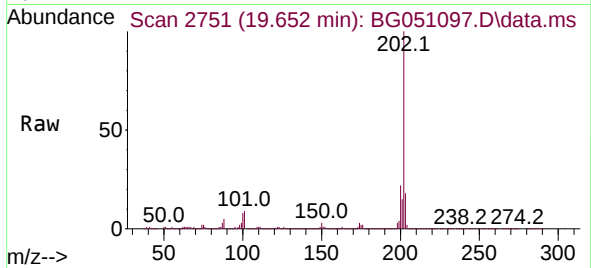




#75
Fluoranthene
Concen: 68.070 ng
RT: 19.652 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

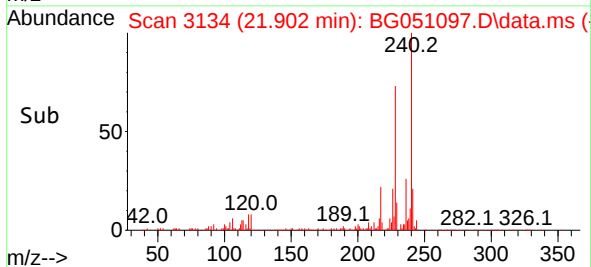
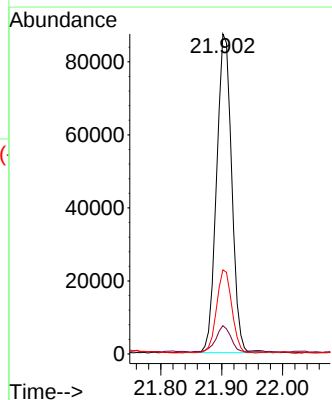
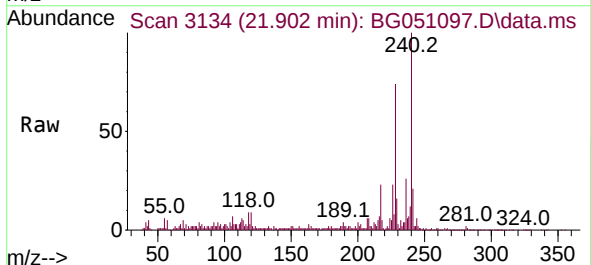
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ClientSampleId :
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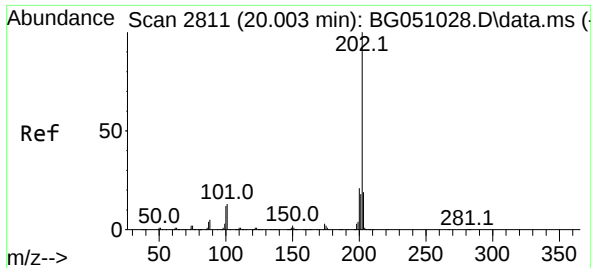
Tgt Ion:202 Resp: 808842
Ion Ratio Lower Upper
202 100
101 8.9 0.0 24.7
203 18.4 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.902 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:240 Resp: 149911
Ion Ratio Lower Upper
240 100
120 8.8 4.2 6.2#
236 26.3 21.8 32.6

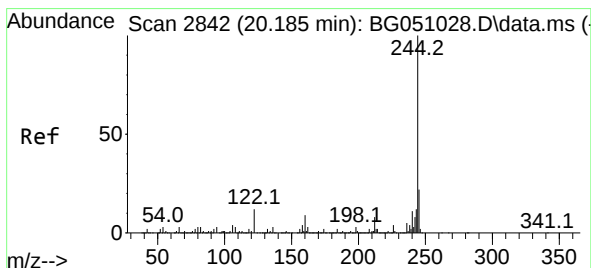
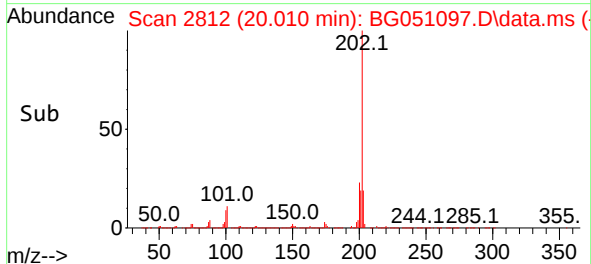
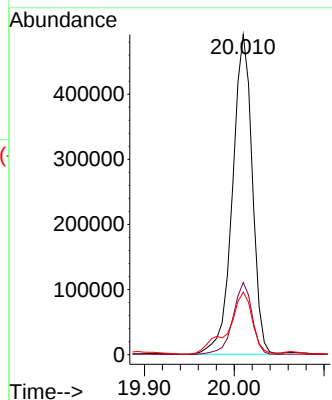
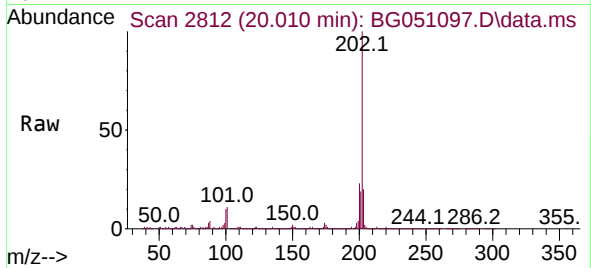




#78
 Pyrene
 Concen: 66.515 ng
 RT: 20.010 min Scan# 2812
 Delta R.T. 0.007 min
 Lab File: BG051097.D
 Acq: 17 Nov 2021 18:21

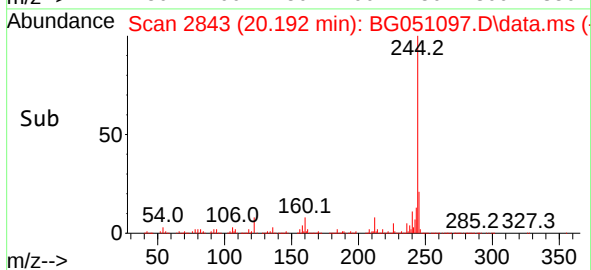
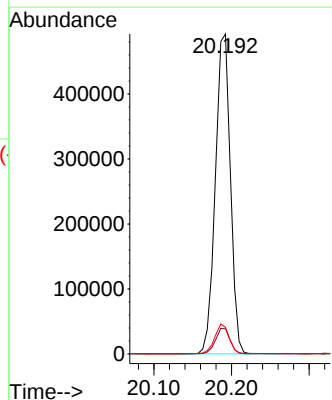
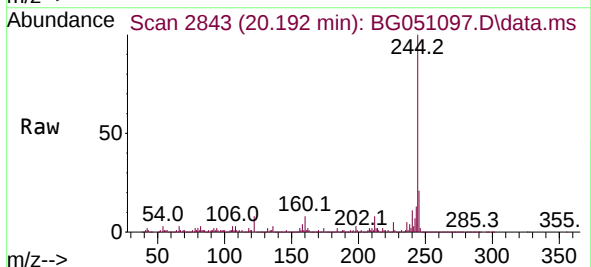
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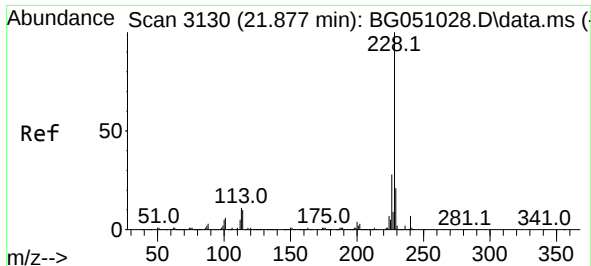
Tgt Ion:202 Resp: 748051
 Ion Ratio Lower Upper
 202 100
 200 22.6 15.8 23.8
 203 19.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 81.000 ng
 RT: 20.192 min Scan# 2843
 Delta R.T. 0.007 min
 Lab File: BG051097.D
 Acq: 17 Nov 2021 18:21

Tgt Ion:244 Resp: 663617
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.9 10.3
 122 8.3 5.0 7.6#

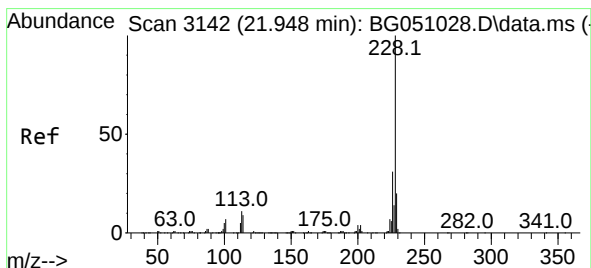
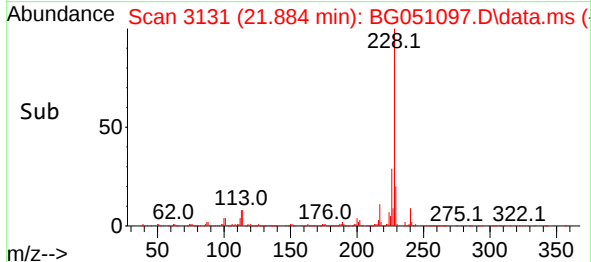
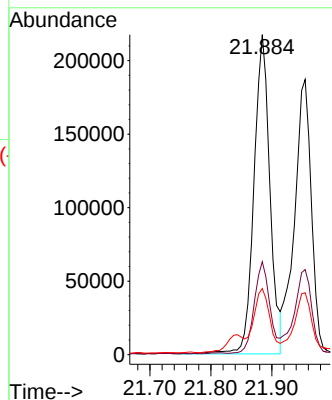
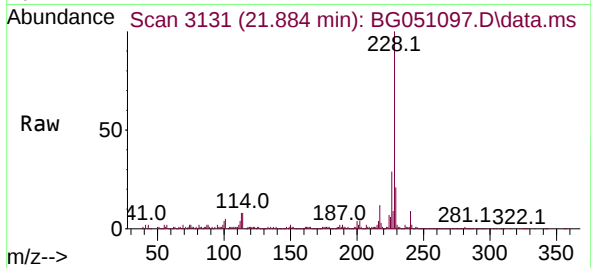




#81
Benzo(a)anthracene
Concen: 38.400 ng
RT: 21.884 min Scan# 3131
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

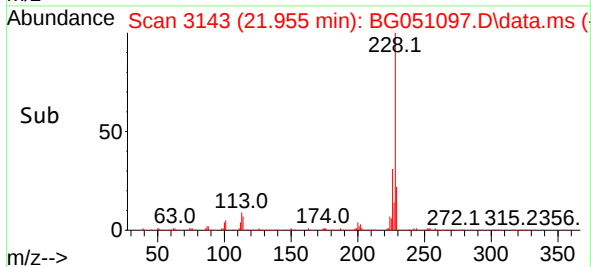
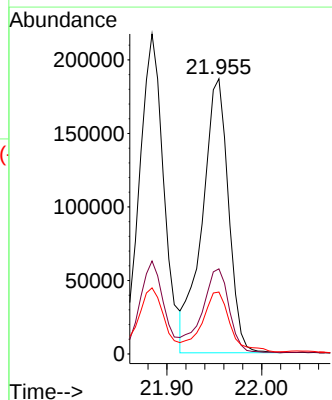
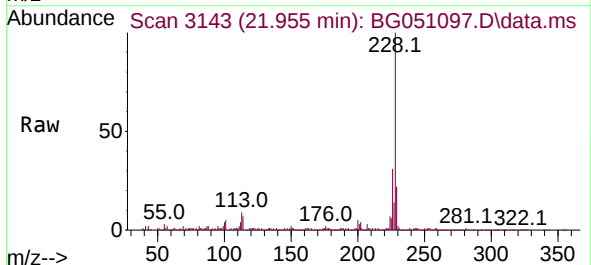
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BNA_G
ClientSampleId :
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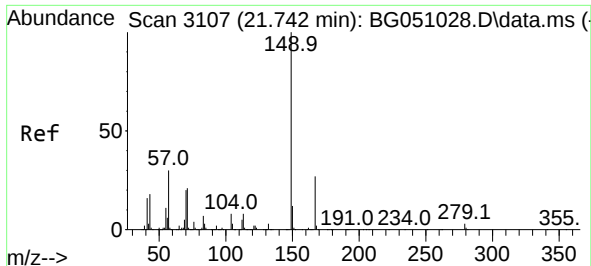
Tgt Ion:228 Resp: 395277
Ion Ratio Lower Upper
228 100
226 29.0 22.7 34.1
229 20.7 16.0 24.0



#83
Chrysene
Concen: 36.986 ng
RT: 21.955 min Scan# 3143
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:228 Resp: 359154
Ion Ratio Lower Upper
228 100
226 30.9 23.1 34.7
229 22.5 15.3 22.9

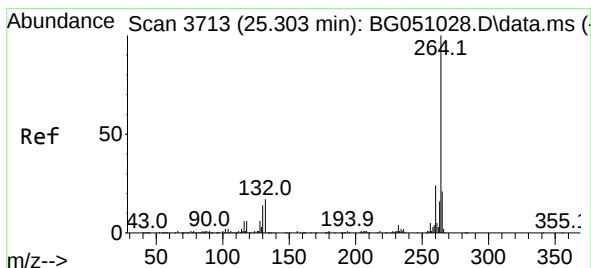
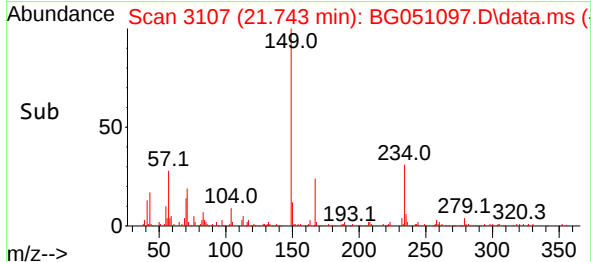
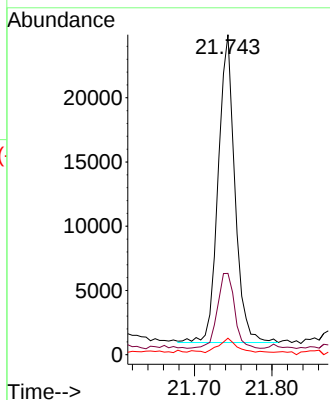
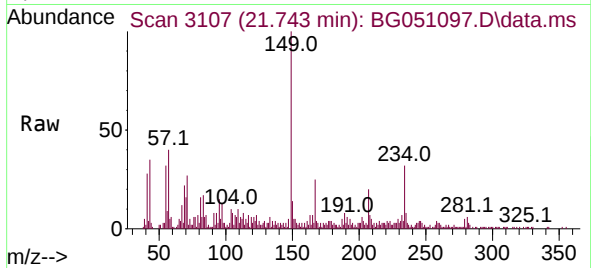




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.276 ng
RT: 21.743 min Scan# 3107
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

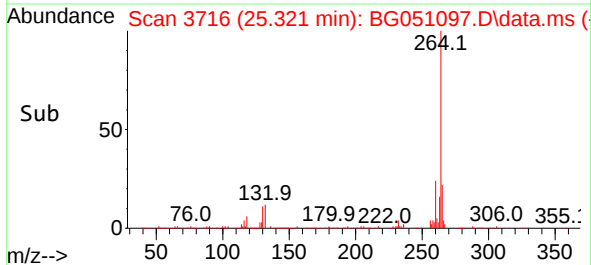
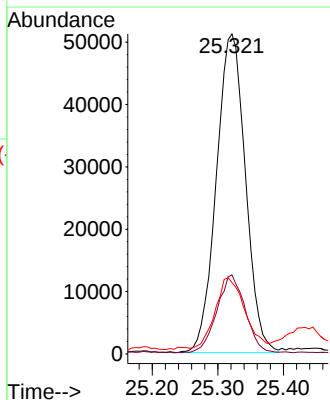
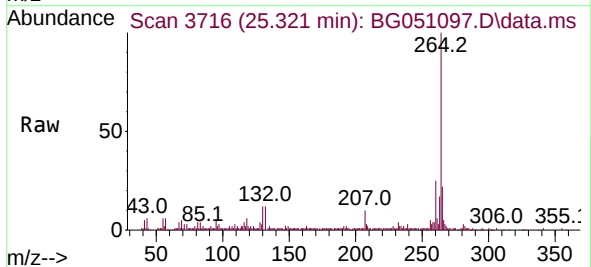
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ClientSampleId :
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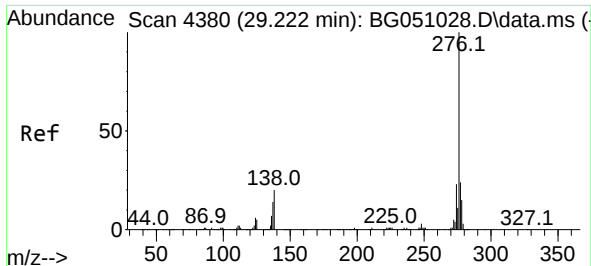
Tgt Ion:149 Resp: 35910
Ion Ratio Lower Upper
149 100
167 25.4 22.3 33.5
279 5.1 3.8 5.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.321 min Scan# 3716
Delta R.T. 0.019 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:264 Resp: 157425
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.2
265 22.3 16.9 25.3

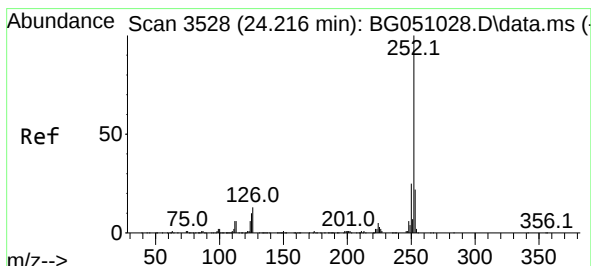
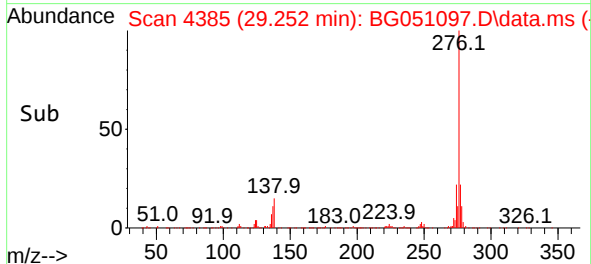
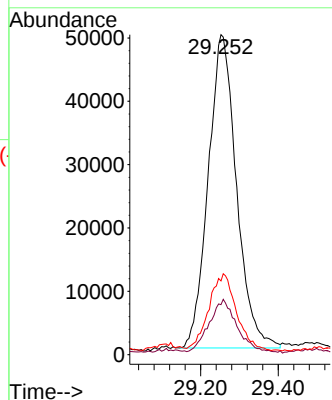
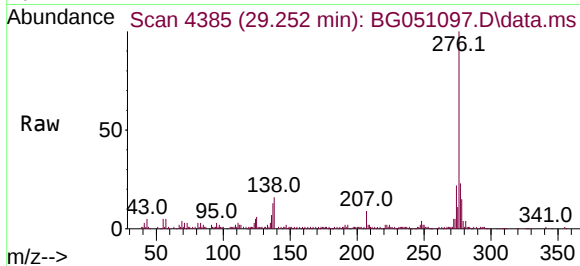




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 22.453 ng
 RT: 29.252 min Scan# 41
 Delta R.T. 0.031 min
 Lab File: BG051097.D
 Acq: 17 Nov 2021 18:21

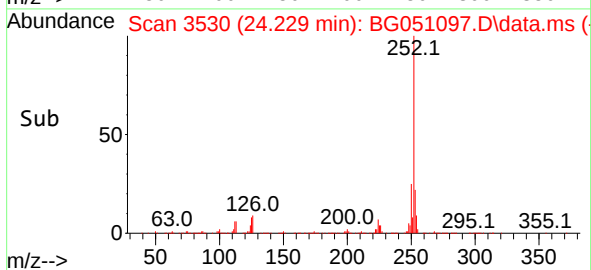
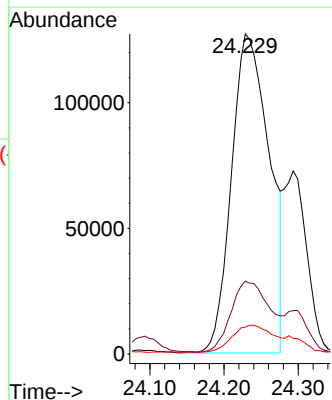
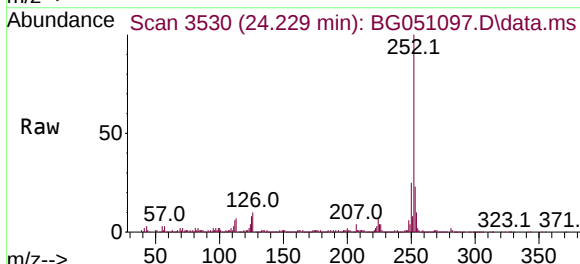
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

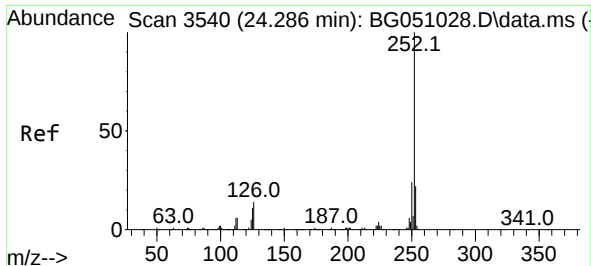
Tgt Ion:276 Resp: 250887
 Ion Ratio Lower Upper
 276 100
 138 16.4 5.1 7.7#
 277 24.0 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 45.513 ng
 RT: 24.229 min Scan# 3530
 Delta R.T. 0.013 min
 Lab File: BG051097.D
 Acq: 17 Nov 2021 18:21

Tgt Ion:252 Resp: 450996
 Ion Ratio Lower Upper
 252 100
 253 22.8 16.2 24.4
 125 8.4 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 45.633 ng

RT: 24.229 min Scan# 3

Delta R.T. -0.058 min

Lab File: BG051097.D

Acq: 17 Nov 2021 18:21

Instrument :

BNA_G

ClientSampleId :

COMP-1

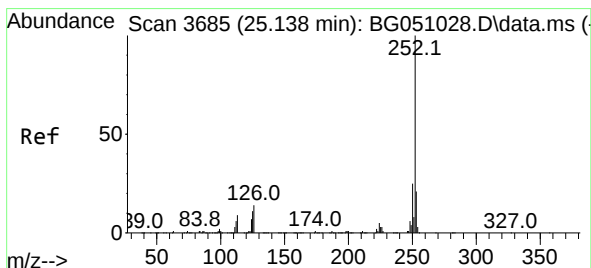
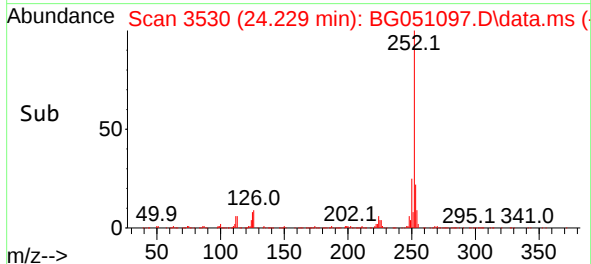
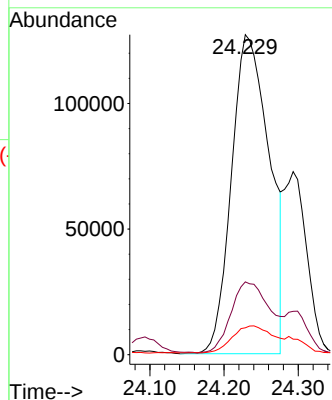
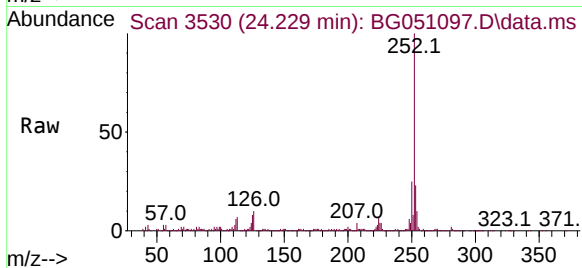
Tgt Ion:252 Resp: 450996

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 8.4 3.1 4.7#



#90

Benzo(a)pyrene

Concen: 41.243 ng

RT: 25.163 min Scan# 3689

Delta R.T. 0.025 min

Lab File: BG051097.D

Acq: 17 Nov 2021 18:21

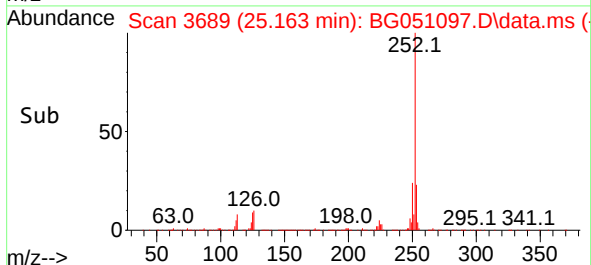
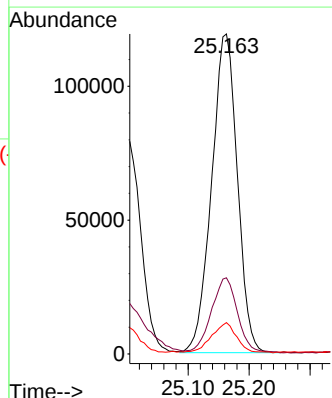
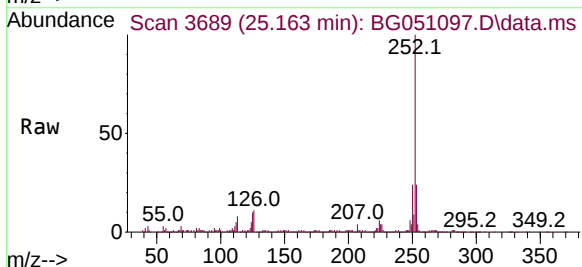
Tgt Ion:252 Resp: 348908

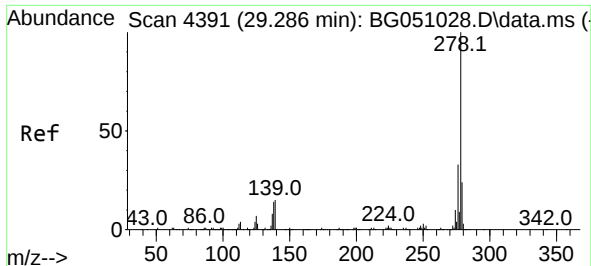
Ion Ratio Lower Upper

252 100

253 23.8 16.6 25.0

125 9.8 3.5 5.3#

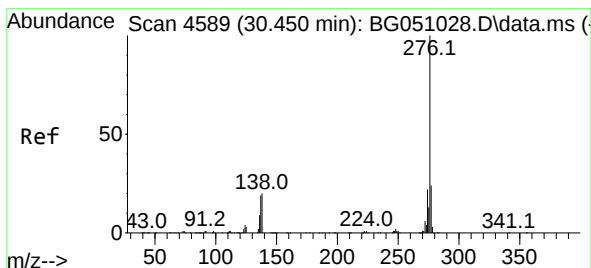
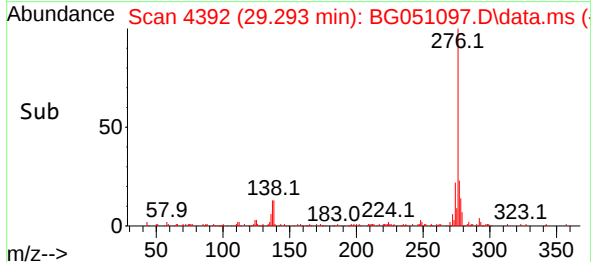
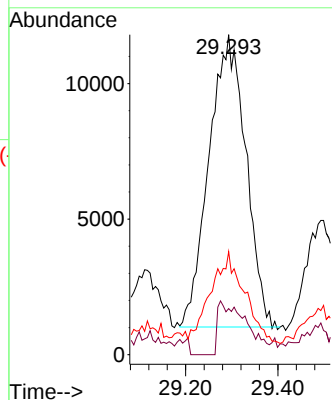
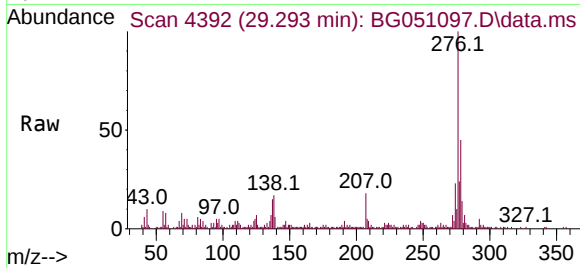




#91
Dibenzo(a,h)anthracene
Concen: 6.498 ng
RT: 29.293 min Scan# 41
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:278 Resp: 59776
Ion Ratio Lower Upper
278 100
139 14.4 4.6 6.8#
279 32.2 17.9 26.9#



#92
Benzo(g,h,i)perylene
Concen: 28.821 ng
RT: 30.498 min Scan# 4597
Delta R.T. 0.048 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Tgt Ion:276 Resp: 260935
Ion Ratio Lower Upper
276 100
277 24.2 18.4 27.6
138 17.4 7.0 10.6#

