

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
 Data File : BG043676.D
 Acq On : 18 Nov 2019 16:56
 Operator : JU
 Sample : K5804-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 01:39:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	27319	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	97789	20.00	ng	-0.01
39) Acenaphthene-d10	14.62	164	73431	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	179400	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	198686	20.00	ng	-0.02
87) Perylene-d12	24.81	264	229046	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	95394	63.99	ng	0.00
7) Phenol-d6	7.19	99	93038	43.37	ng	0.00
23) Nitrobenzene-d5	9.16	82	168745	88.96	ng	-0.01
42) 2,4,6-Tribromophenol	16.11	330	131169	93.87	ng	-0.02
45) 2-Fluorobiphenyl	13.25	172	506341	95.28	ng	-0.02
79) Terphenyl-d14	19.98	244	1026428	96.92	ng	-0.02

Target Compounds

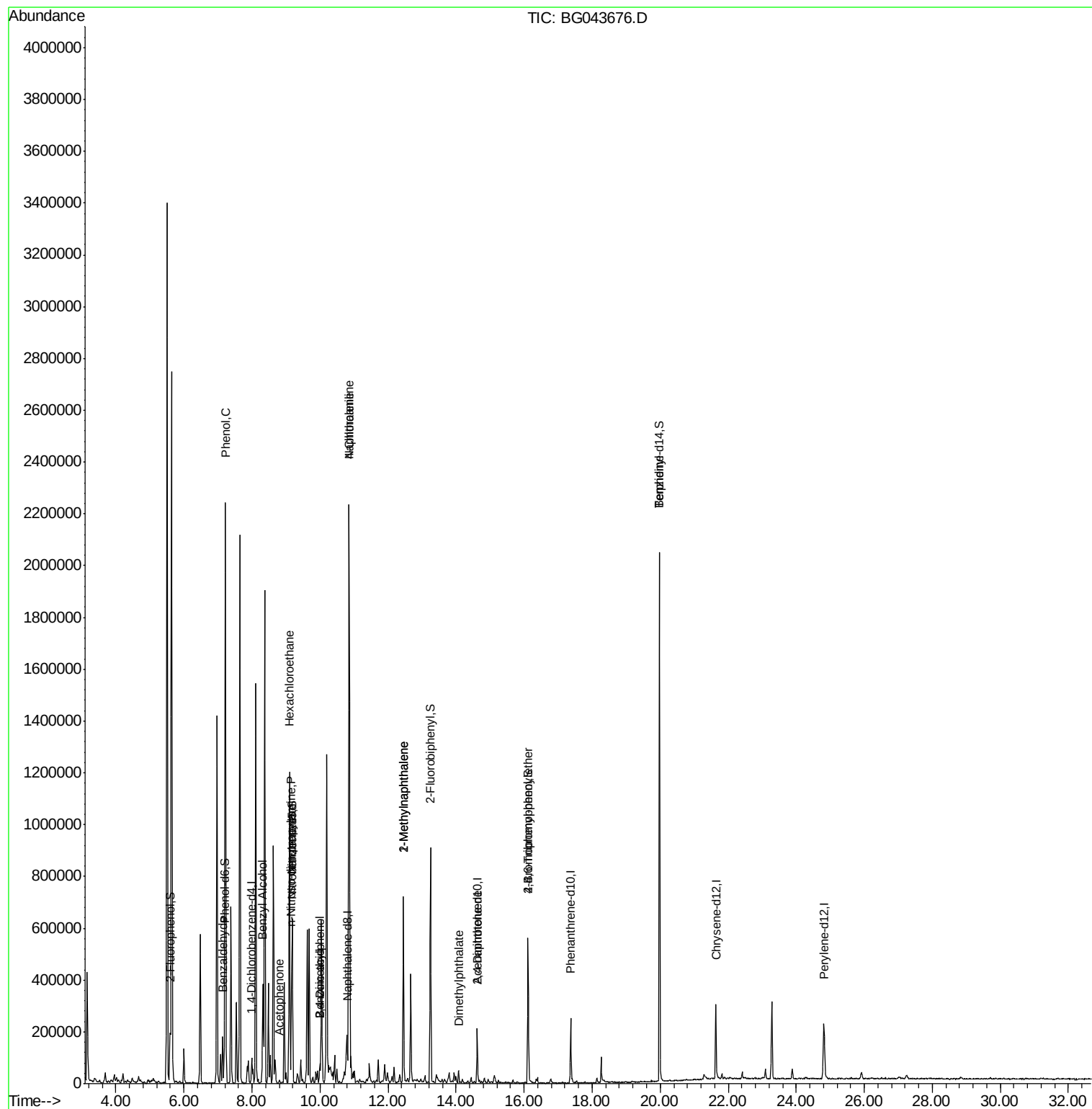
						Qvalue
9) Benzaldehyde	7.14	77	14444	13.702	ng	# 1
10) Phenol	7.22	94	9208	4.698	ng	# 1
15) Benzyl Alcohol	8.32	79	3718	2.468	ng	# 38
18) Hexachloroethane	9.10	117	147213	195.586	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	24033	17.339	ng	# 81
22) Acetophenone	8.80	105	10842	4.329	ng	# 70
24) Nitrobenzene	9.18	77	22481	12.442	ng	# 14
27) 2,4-Dimethylphenol	9.99	122	4209	3.366	ng	# 79
31) Naphthalene	10.86	128	1814753	365.604	ng	97
32) Benzoic acid	9.99	122	4209	12.626	ng	89
33) 4-Chloroaniline	10.86	127	268891	132.153	ng	# 35
37) 2-Methylnaphthalene	12.45	142	349605	91.794	ng	99
38) 1-Methylnaphthalene	12.45	142	349605	96.476	ng	99
50) Dimethylphthalate	14.07	163	31942	5.616	ng	97
57) 2,4-Dinitrotoluene	14.62	165	10307	5.837	ng	# 35
67) 4-Bromophenyl-phenylether	16.11	248	8351	3.459	ng	# 1
77) Benzidine	19.98	184	15672	3.919	ng	# 94

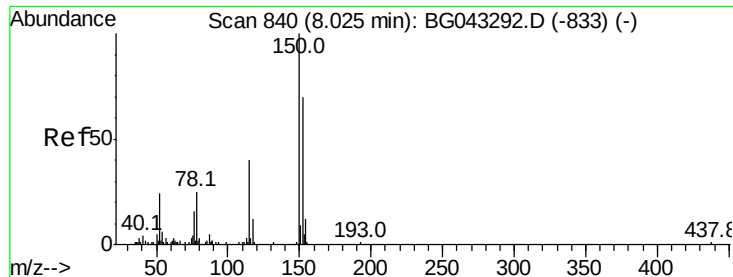
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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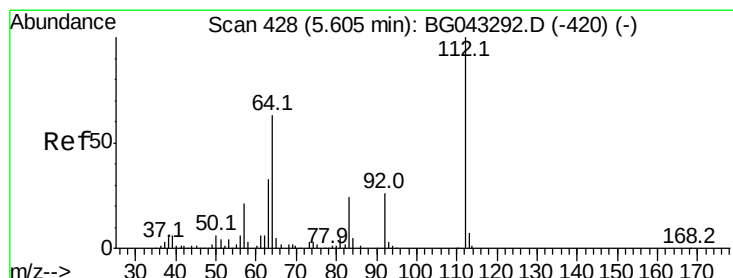
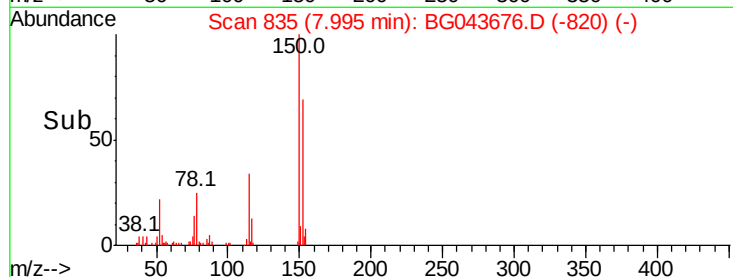
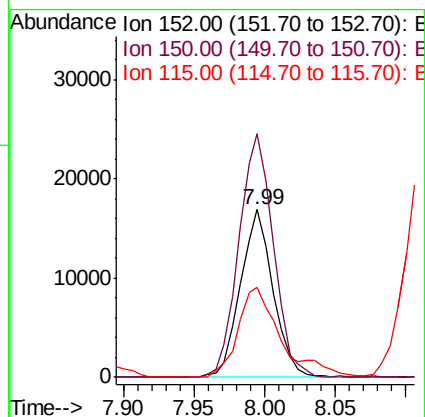
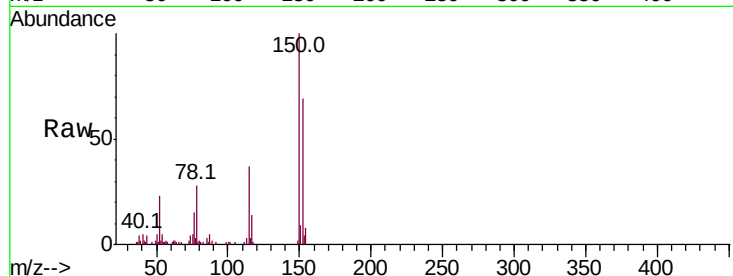


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

Instrument :
BNA_G
ClientSampleId :

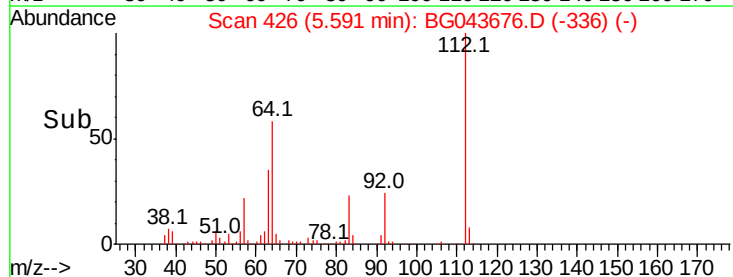
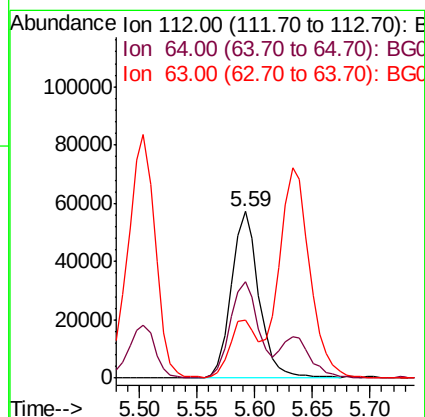
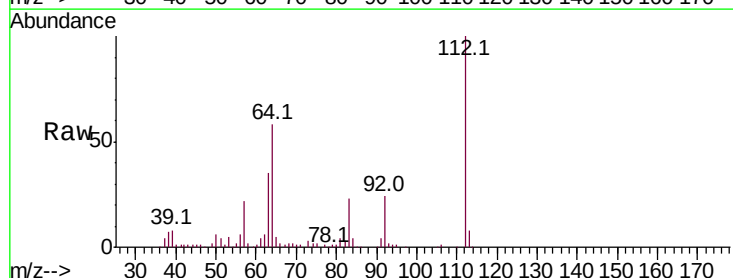
Tot Ion:152 Resp: 27319
Ion Ratio Lower Upper
152 100
150 145.3 129.4 194.0
115 54.0 48.8 73.2

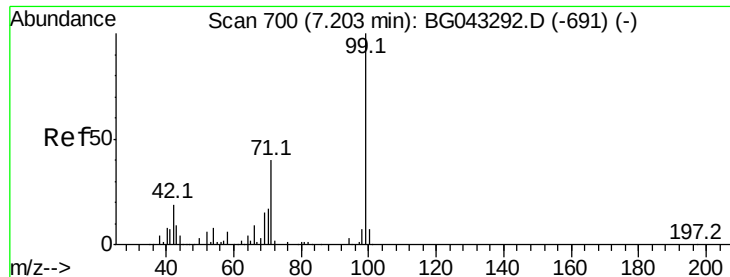


#5

2-Fluorophenol
Concen: 63.986 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

Tgt Ion:112 Resp: 95394
Ion Ratio Lower Upper
112 100
64 57.5 50.0 75.0
63 34.6 26.6 40.0





#7

Phenol-d6

Concen: 43.375 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

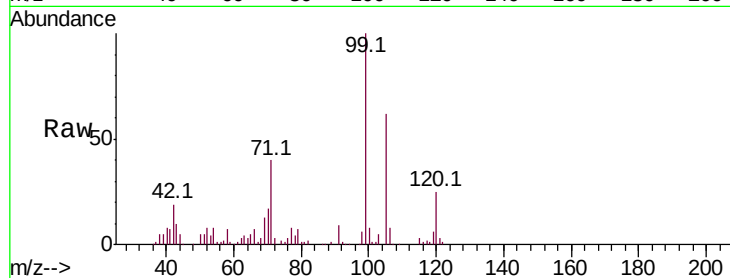
Tot Ion: 99 Resp: 93038

Ion Ratio Lower Upper

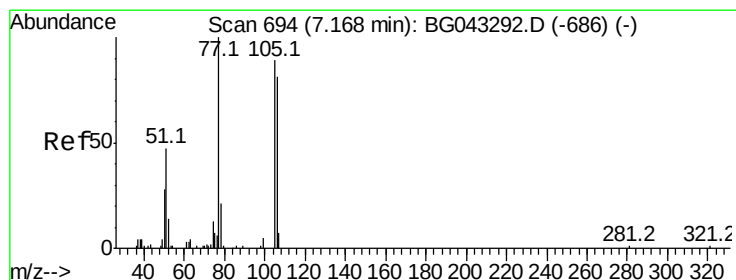
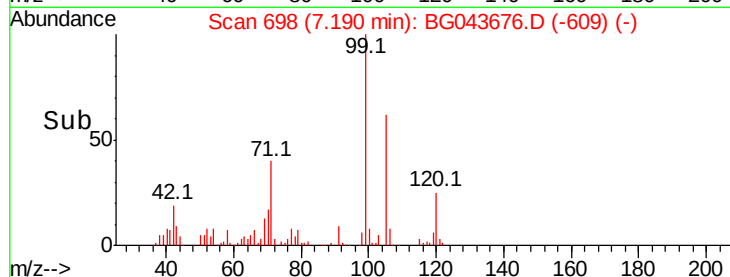
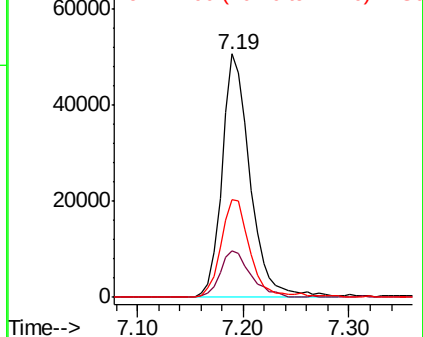
99 100

42 18.9 14.6 21.8

71 40.3 32.5 48.7



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 13.702 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

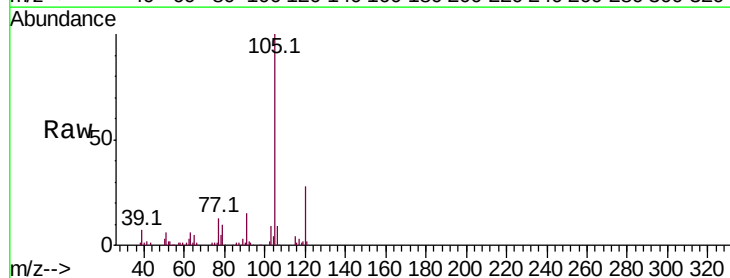
Tgt Ion: 77 Resp: 14444

Ion Ratio Lower Upper

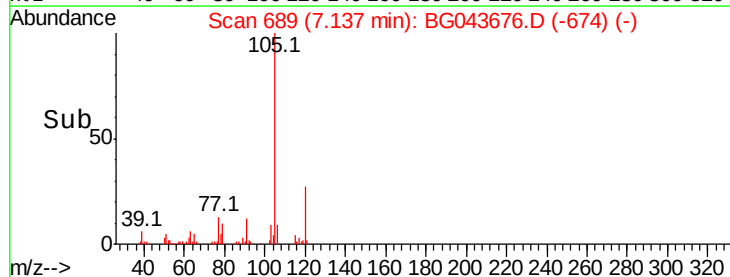
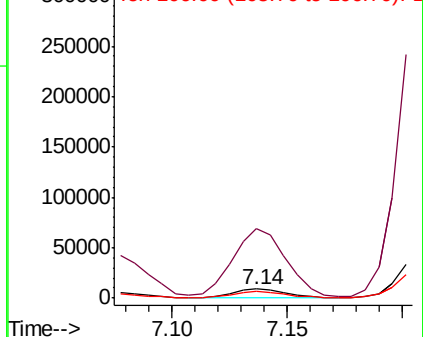
77 100

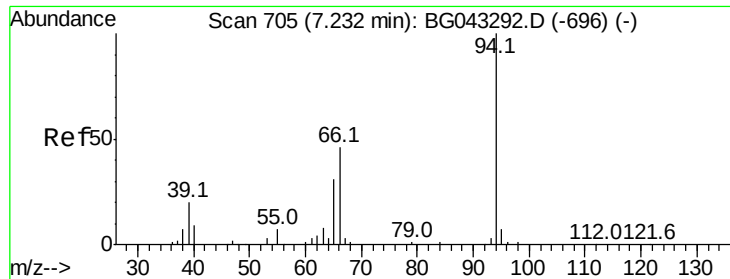
105 762.2 68.6 108.6#

106 71.1 69.9 109.9



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 4.698 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

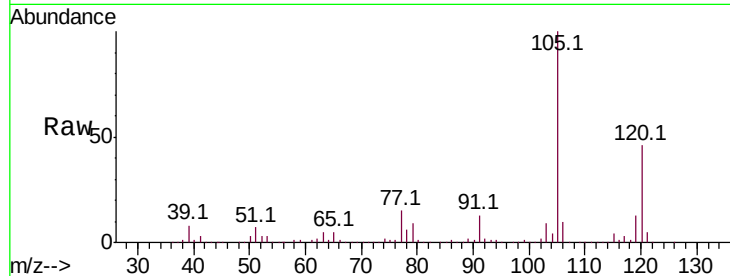
Tot Ion: 94 Resp: 9208

Ion Ratio Lower Upper

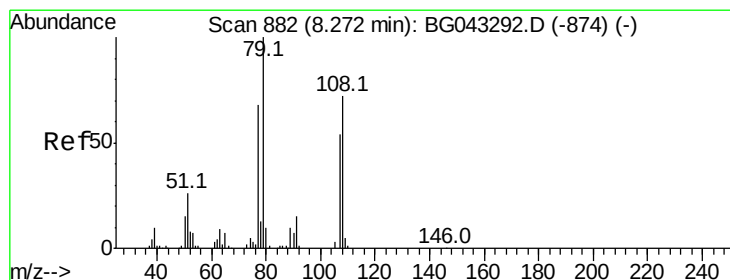
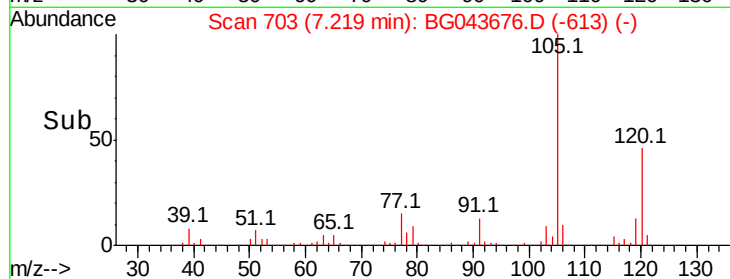
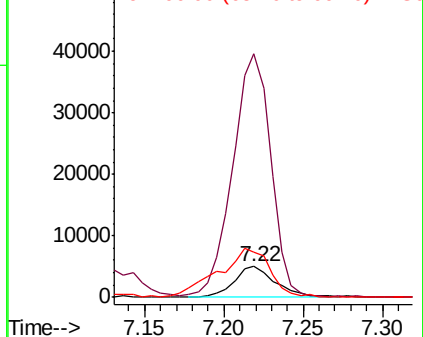
94 100

65 797.1 12.6 52.6#

66 149.7 30.7 70.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#15

Benzyl Alcohol

Concen: 2.468 ng

RT: 8.32 min Scan# 890

Delta R.T. 0.06 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

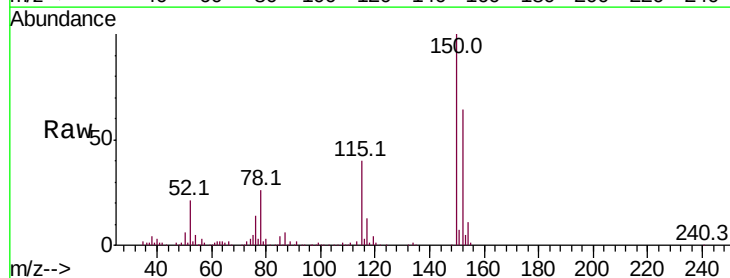
Tgt Ion: 79 Resp: 3718

Ion Ratio Lower Upper

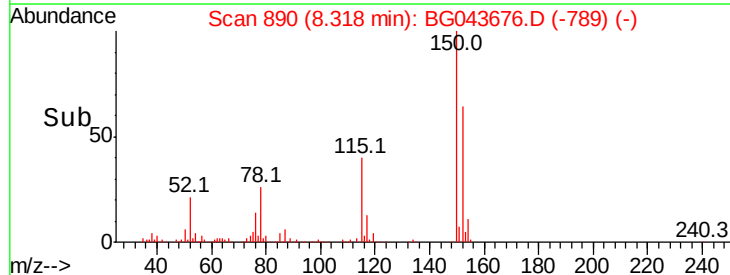
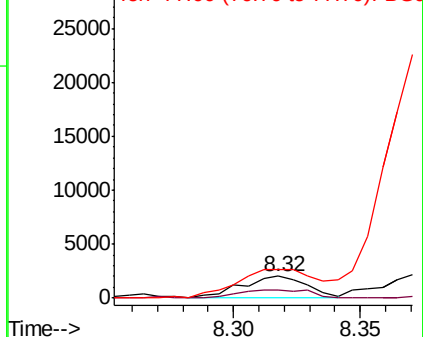
79 100

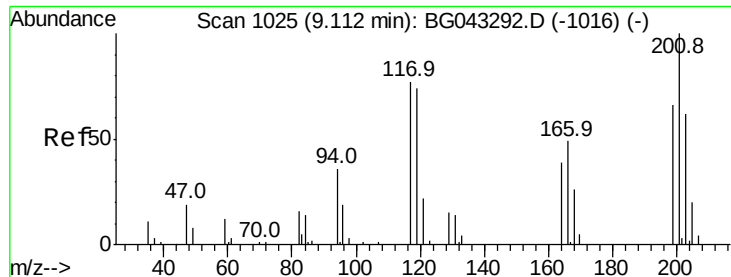
108 34.7 53.6 80.4#

77 127.9 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#18

Hexachloroethane

Concen: 195.586 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

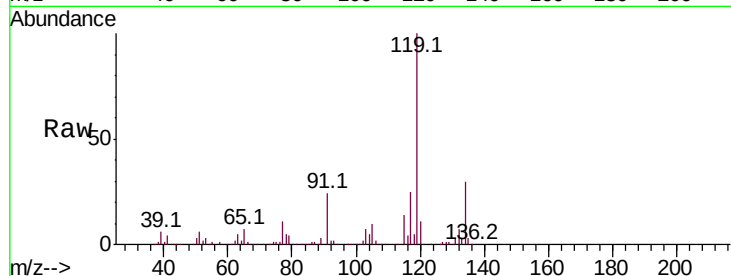
Tot Ion:117 Resp: 147213

Ion Ratio Lower Upper

117 100

119 402.7 79.0 118.4#

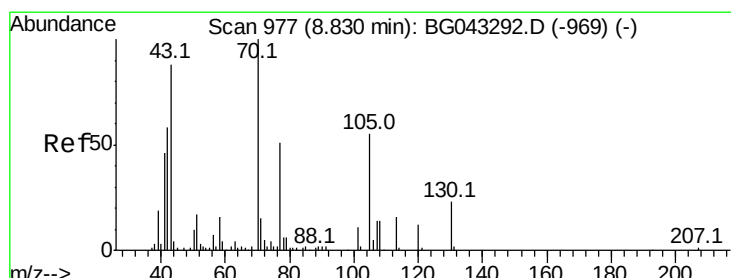
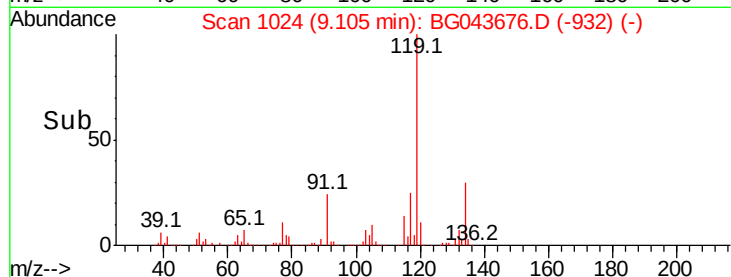
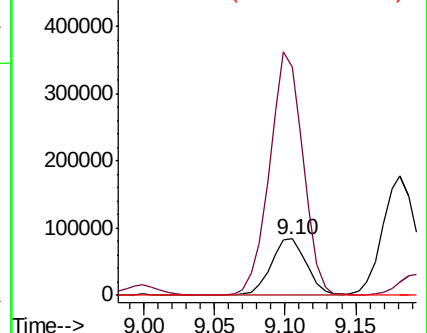
201 0.0 105.4 158.2#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 17.339 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

Tgt Ion: 70 Resp: 24033

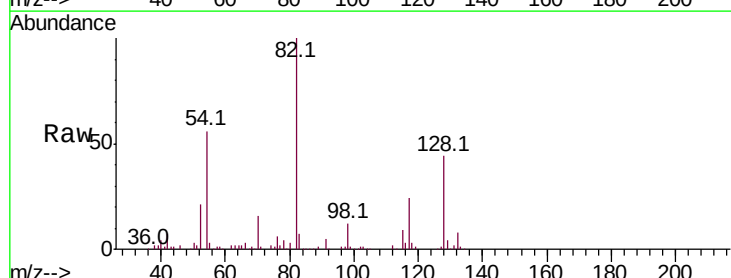
Ion Ratio Lower Upper

70 100

42 46.3 41.4 62.2

101 2.0 7.9 11.9#

130 2.5 19.0 28.4#

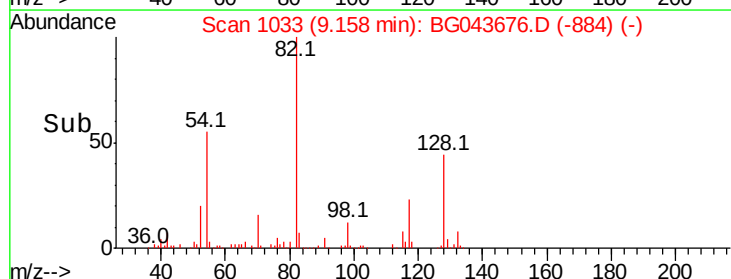
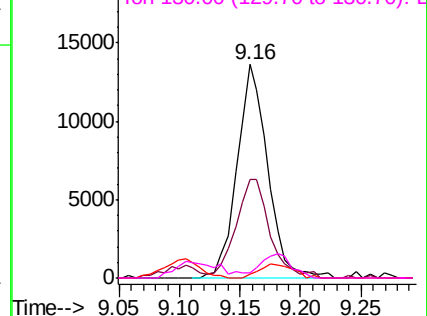


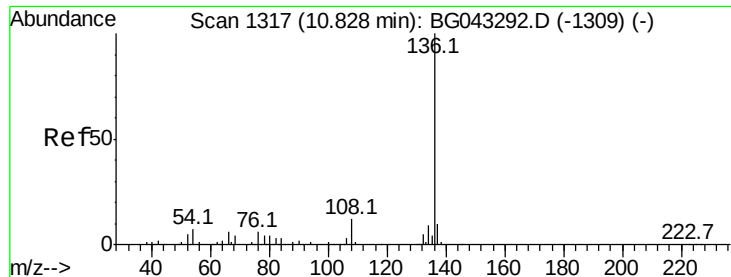
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

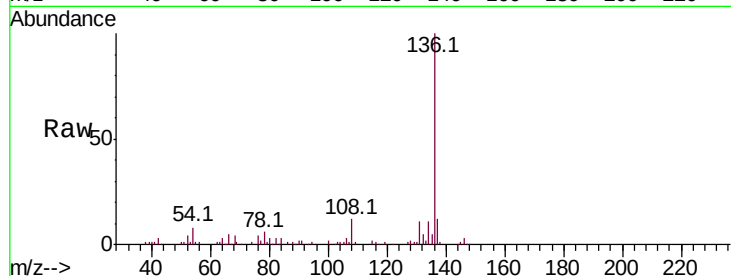




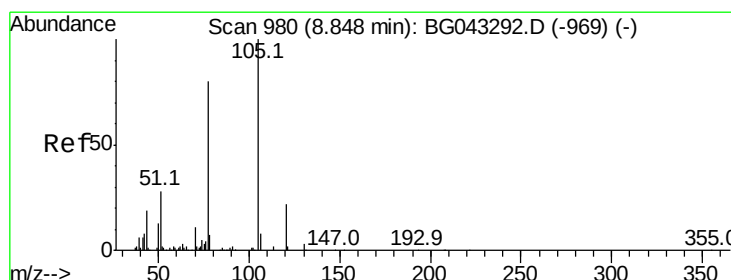
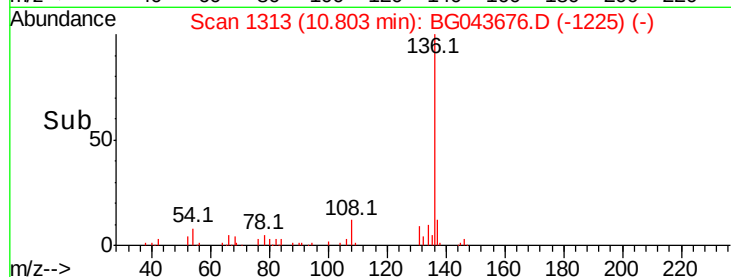
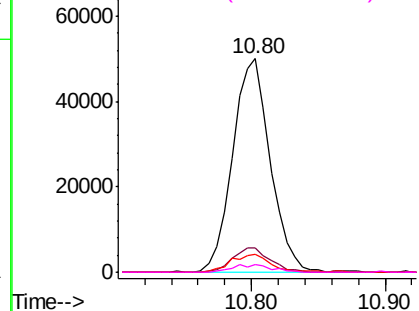
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	97789
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.7 13.1
54	8.2	5.4 8.2#
68	3.7	3.0 4.4

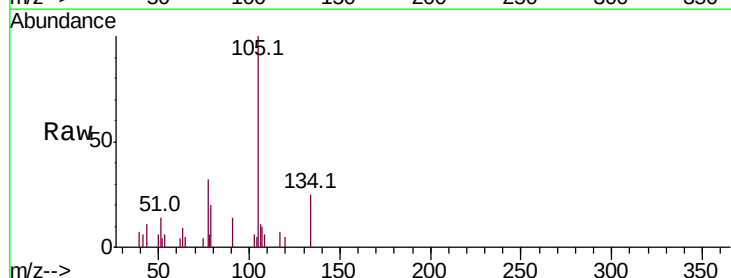


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

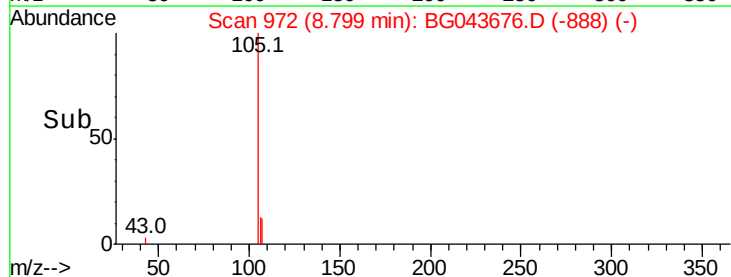
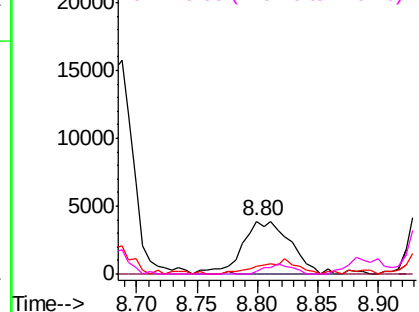


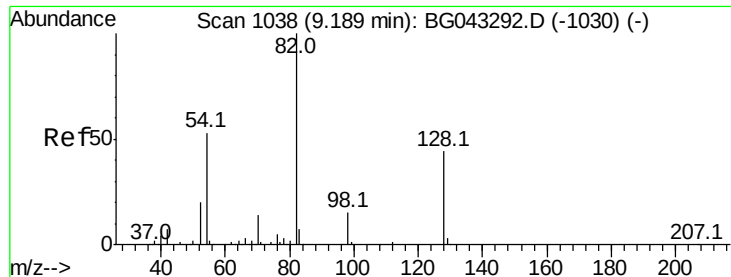
#22
Acetophenone
Concen: 4.329 ng
RT: 8.80 min Scan# 972
Delta R.T. -0.04 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

Tgt Ion:105	Resp:	10842
Ion Ratio	Lower	Upper
105	100	
71	0.0	0.8 1.2#
51	13.6	21.0 31.4#
120	4.9	18.0 27.0#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

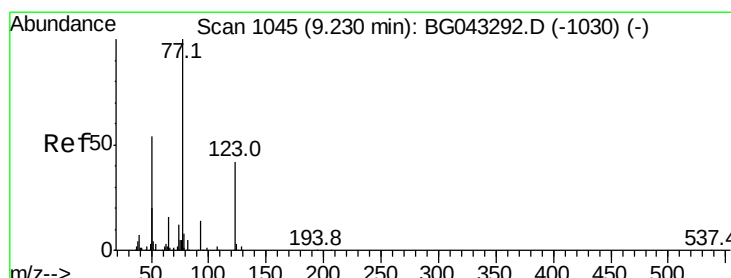
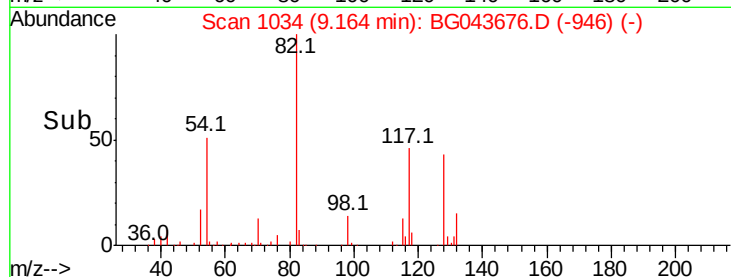
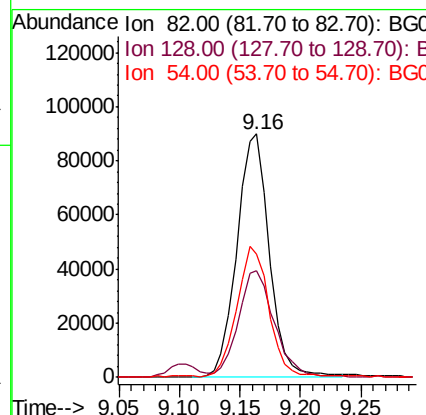
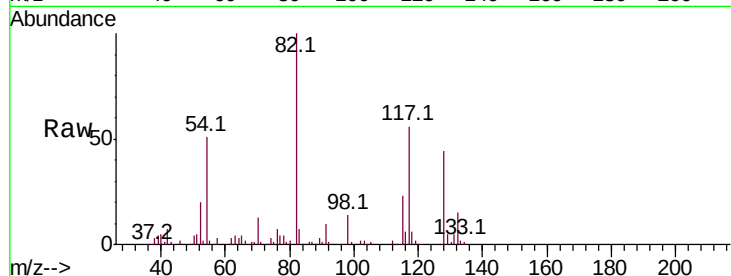




#23
 Nitrobenzene-d5
 Concen: 88.963 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG043676.D
 Acq: 18 Nov 2019 16:56

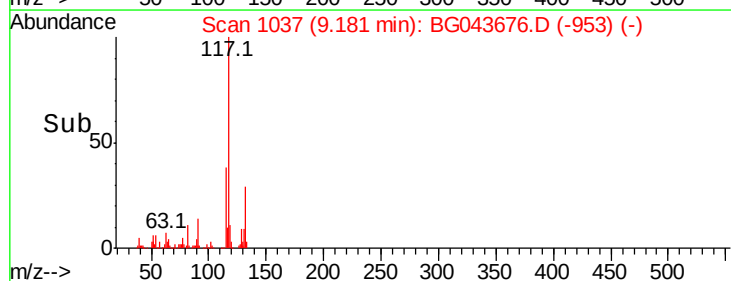
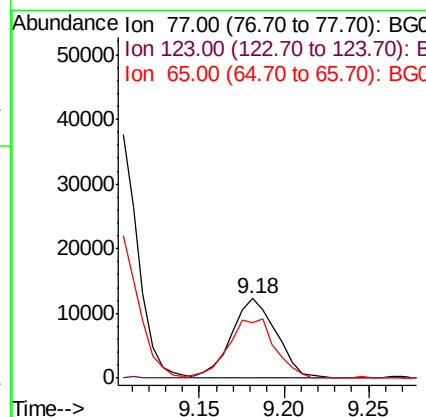
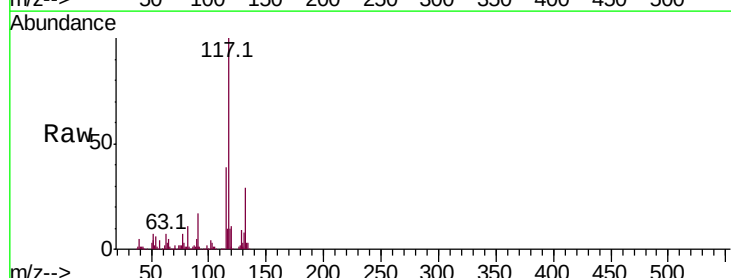
Instrument :
 BNA_G
 ClientSampleId :

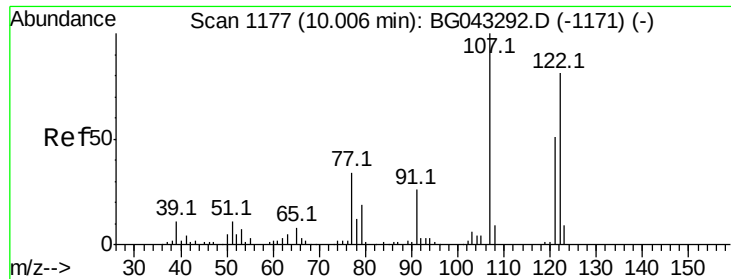
Tot Ion: 82 Resp: 168745
 Ion Ratio Lower Upper
 82 100
 128 44.0 35.0 52.6
 54 50.7 40.2 60.2



#24
 Nitrobenzene
 Concen: 12.442 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.04 min
 Lab File: BG043676.D
 Acq: 18 Nov 2019 16:56

Tgt Ion: 77 Resp: 22481
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.0 52.6#
 65 70.5 9.5 14.3#

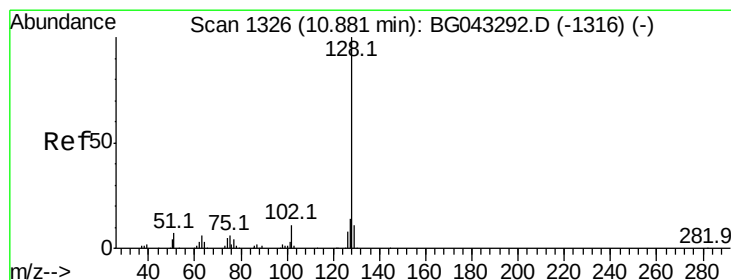
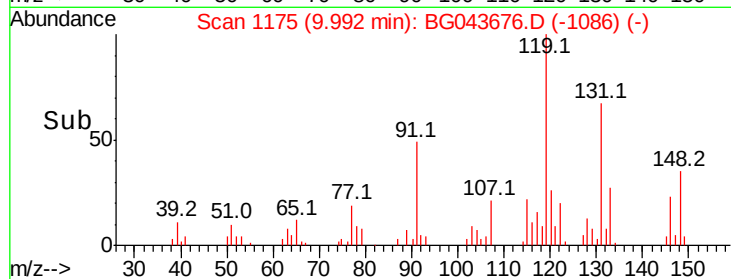
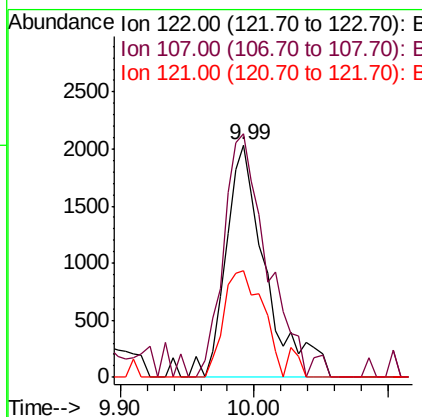
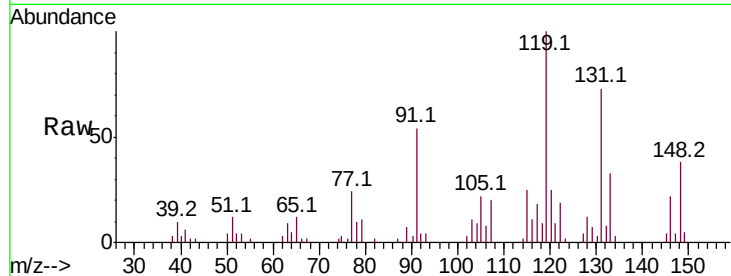




#27
 2,4-Dimethylphenol
 Concen: 3.366 ng
 RT: 9.99 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BG043676.D
 Acq: 18 Nov 2019 16:56

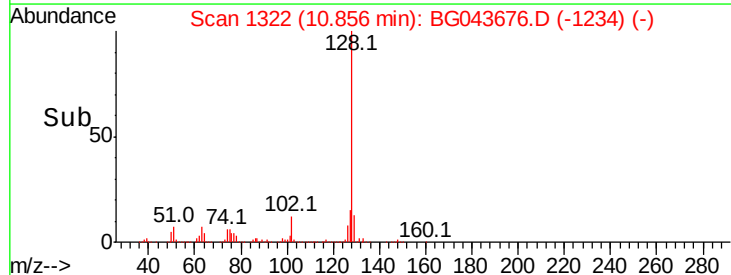
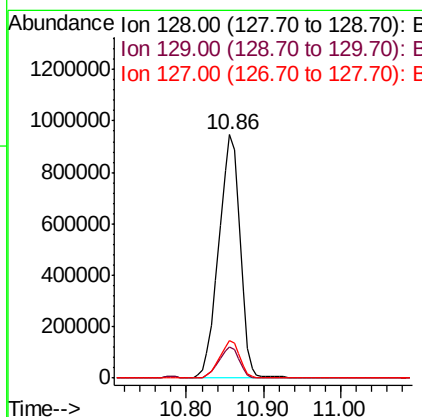
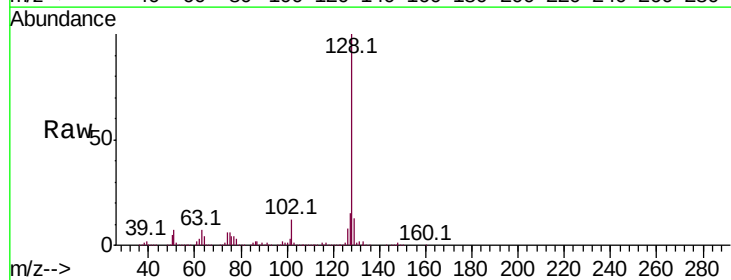
Instrument :
 BNA_G
 ClientSampled :

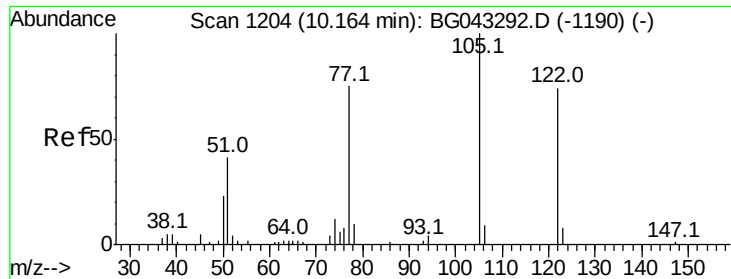
Tot Ion:122 Resp: 4209
 Ion Ratio Lower Upper
 122 100
 107 104.8 104.4 156.6
 121 46.0 47.2 70.8#



#31
 Naphthalene
 Concen: 365.604 ng
 RT: 10.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BG043676.D
 Acq: 18 Nov 2019 16:56

Tgt Ion:128 Resp: 1814753
 Ion Ratio Lower Upper
 128 100
 129 12.9 9.4 14.0
 127 15.4 11.1 16.7

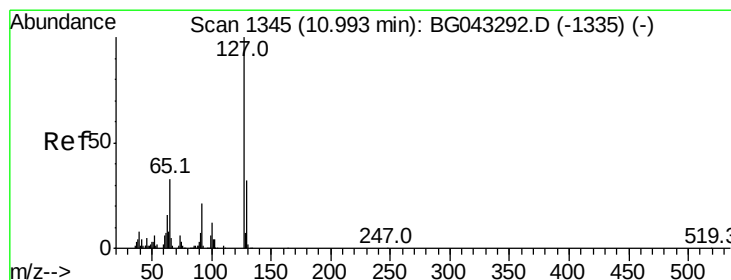
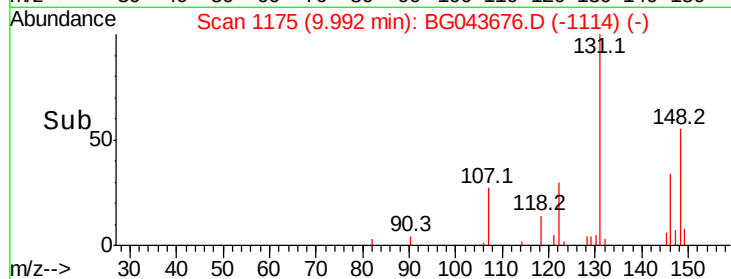
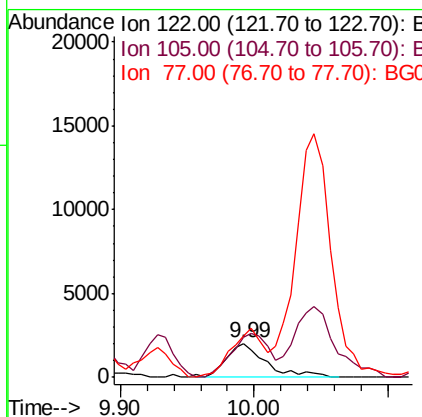
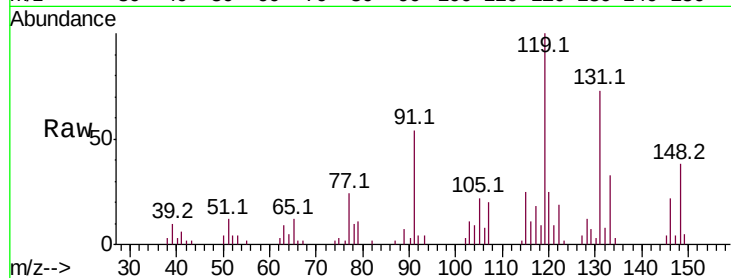




#32
Benzoic acid
Concen: 12.626 ng
RT: 9.99 min Scan# 1175
Delta R.T. -0.17 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

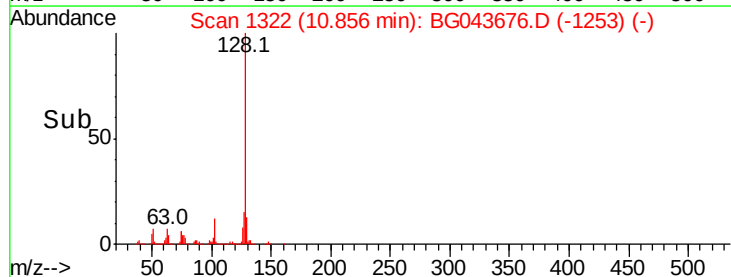
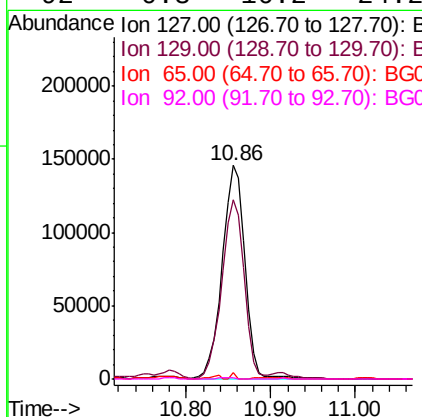
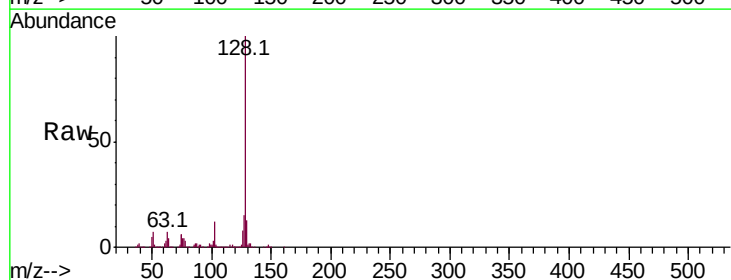
Instrument :
BNA_G
ClientSampleId :

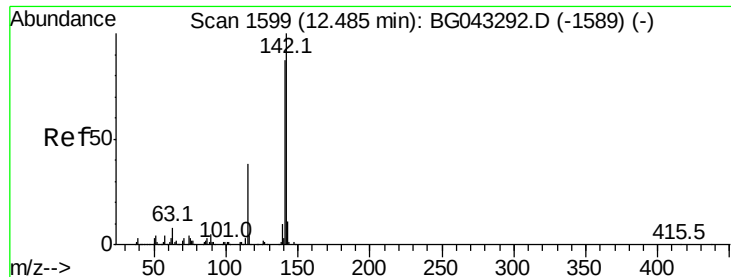
Tot Ion:122 Resp: 4209
Ion Ratio Lower Upper
122 100
105 115.7 103.3 143.3
77 122.3 84.9 124.9



#33
4-Chloroaniline
Concen: 132.153 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.12 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

Tgt Ion:127 Resp: 268891
Ion Ratio Lower Upper
127 100
129 83.9 26.5 39.7#
65 3.0 26.4 39.6#
92 0.3 16.2 24.2#





#37

2-Methylnaphthalene

Concen: 91.794 ng

RT: 12.45 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

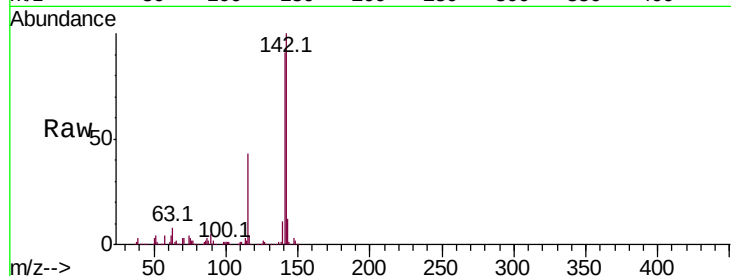
Tot Ion:142 Resp: 349605

Ion Ratio Lower Upper

142 100

141 90.6 72.2 108.2

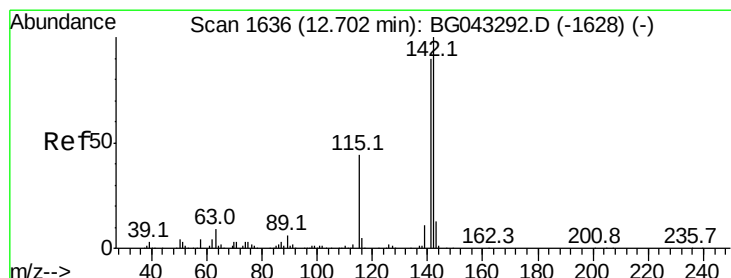
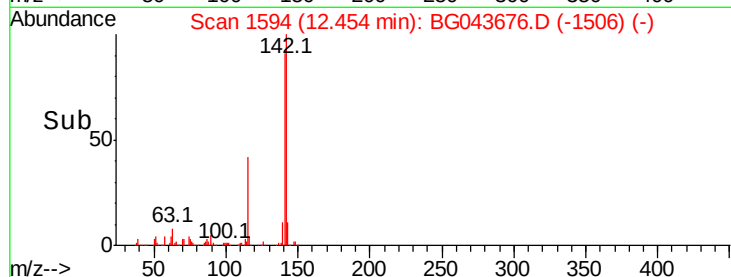
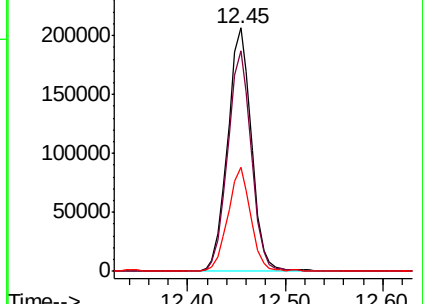
115 42.7 33.2 49.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 96.476 ng

RT: 12.45 min Scan# 1594

Delta R.T. -0.24 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

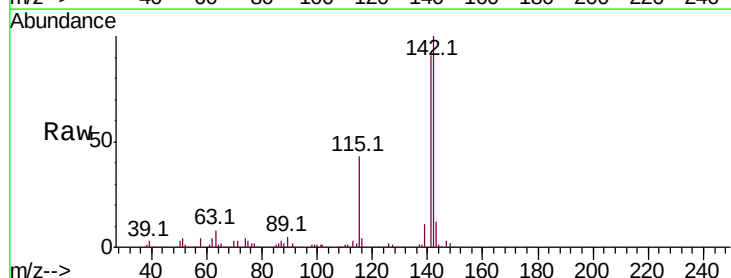
Tgt Ion:142 Resp: 349605

Ion Ratio Lower Upper

142 100

141 90.6 73.2 109.8

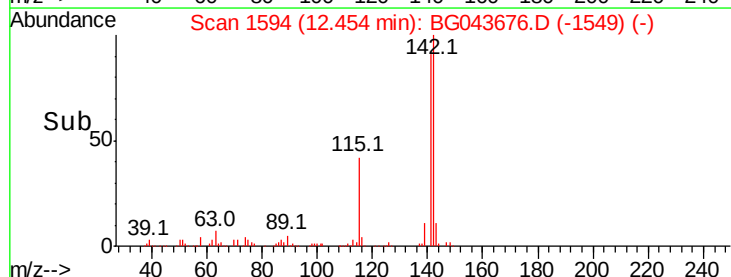
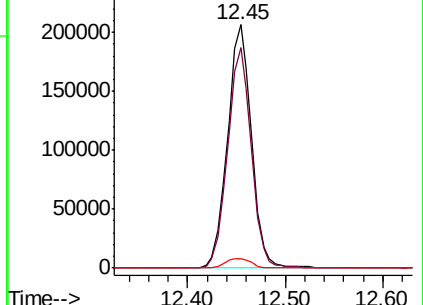
116 4.0 3.6 5.4

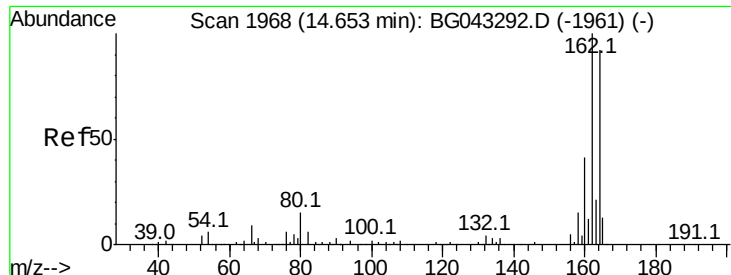


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.02 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

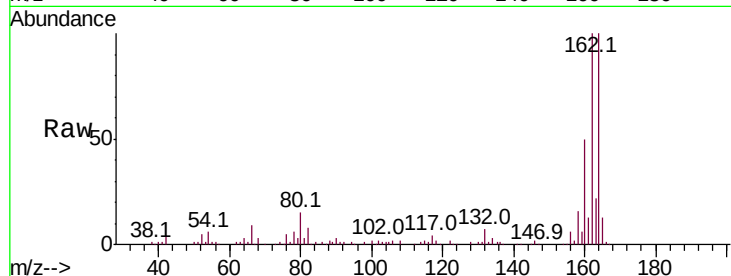
Tot Ion:164 Resp: 73431

Ion Ratio Lower Upper

164 100

162 99.9 83.5 125.3

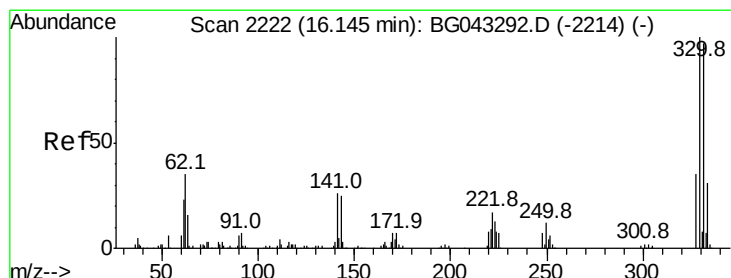
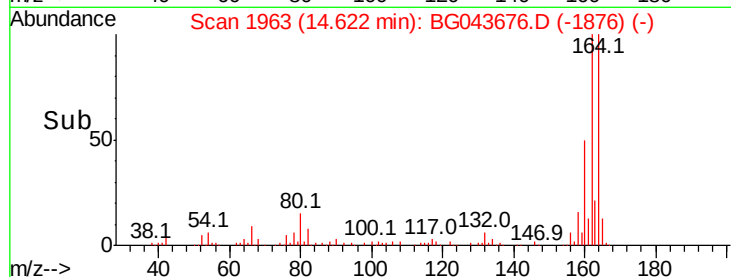
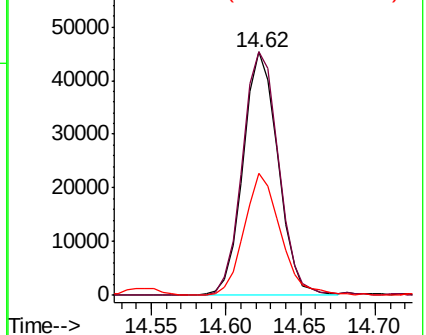
160 50.0 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 93.867 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

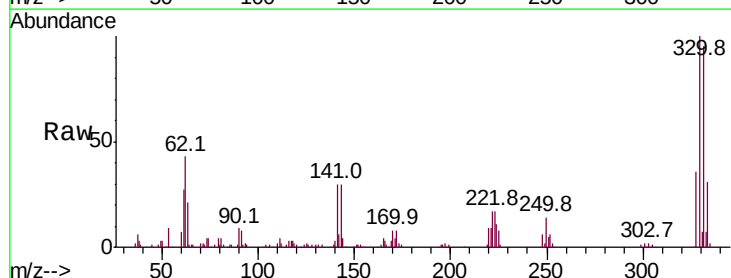
Tgt Ion:330 Resp: 131169

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

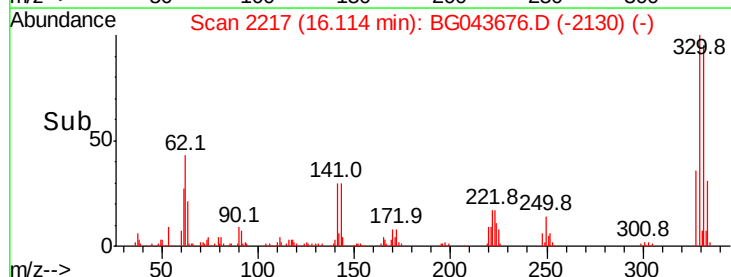
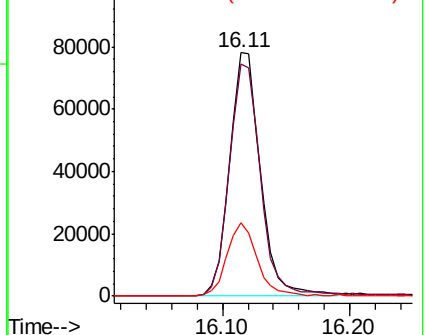
141 29.3 22.8 34.2

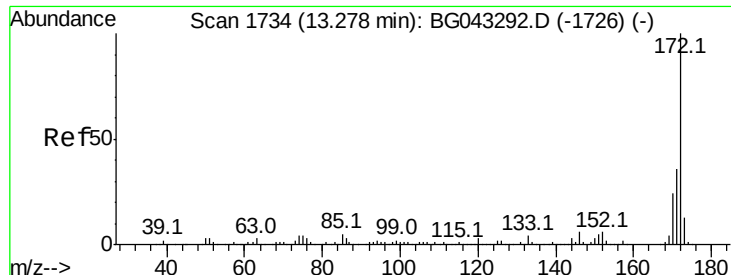


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

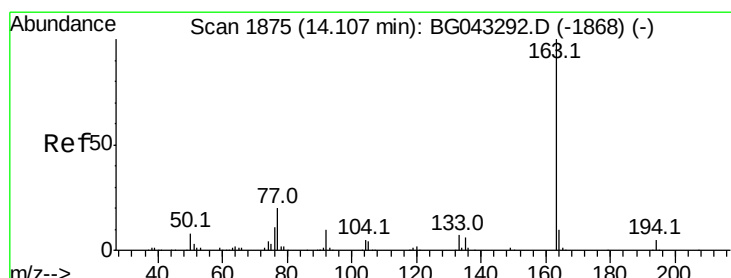
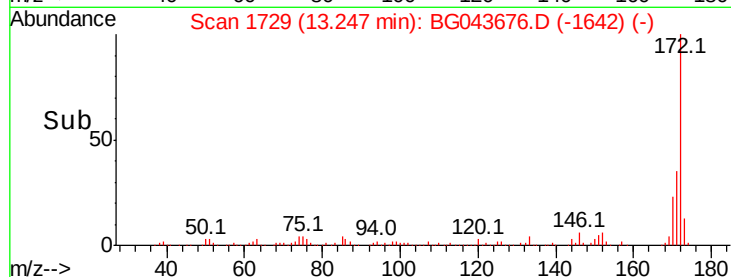
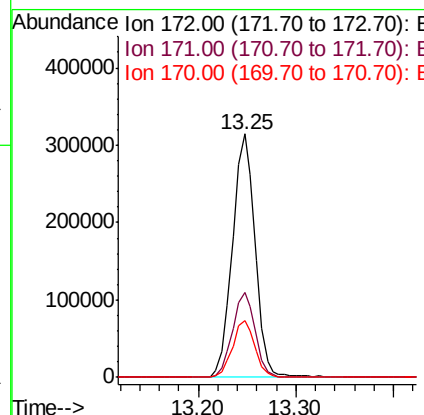
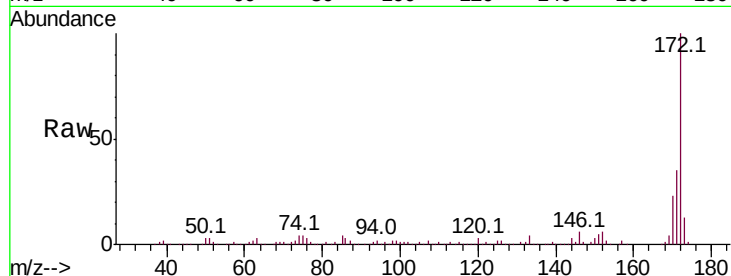




#45
2-Fluorobiphenyl
Concen: 95.282 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

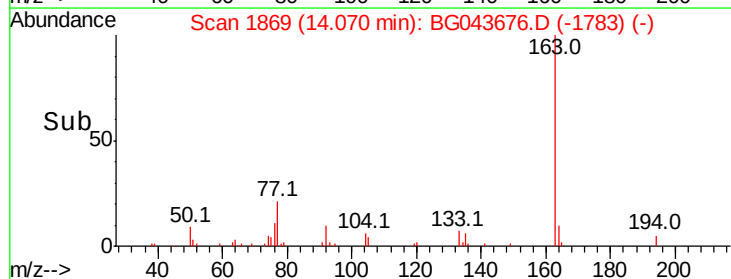
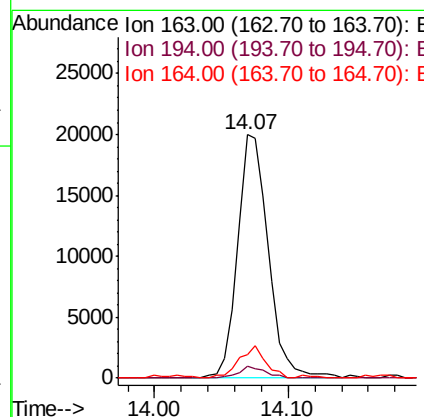
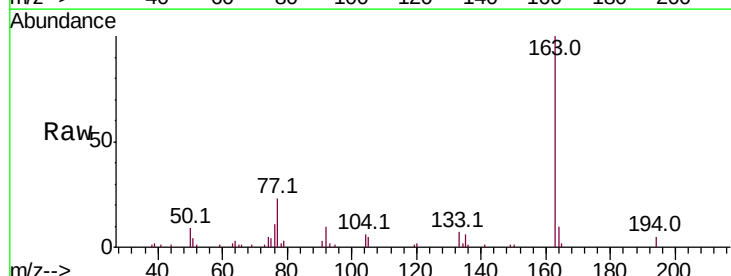
Instrument :
BNA_G
ClientSampleId :

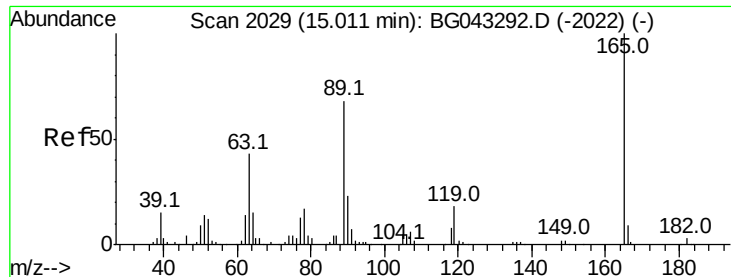
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	23.2	18.5	27.7



#50
Dimethylphthalate
Concen: 5.616 ng
RT: 14.07 min Scan# 1869
Delta R.T. -0.02 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.8	5.6
164	9.7	8.9	13.3

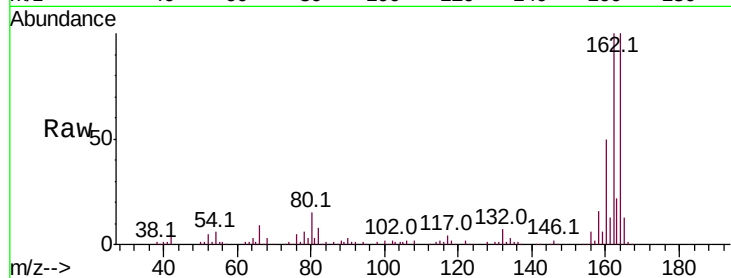




#57
 2,4-Dinitrotoluene
 Concen: 5.837 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.38 min
 Lab File: BG043676.D
 Acq: 18 Nov 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	9.1	33.2	49.8#
89	5.3	52.2	78.4#
182	0.0	2.0	3.0#

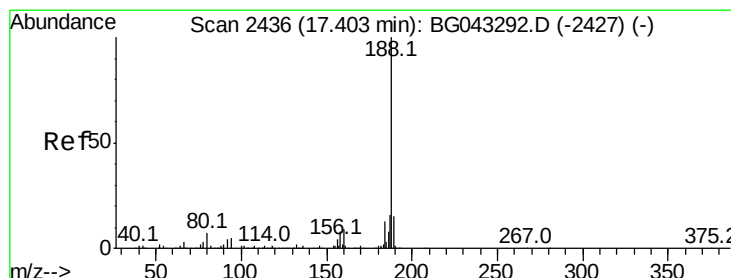
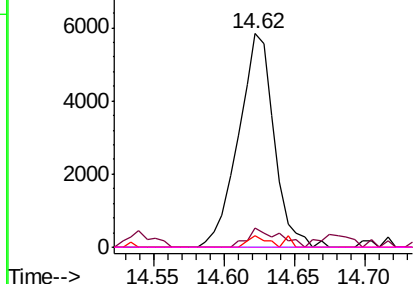
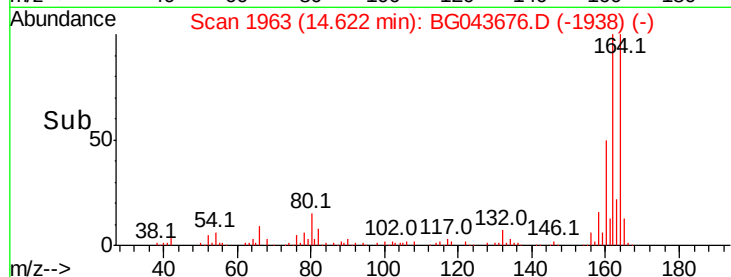


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

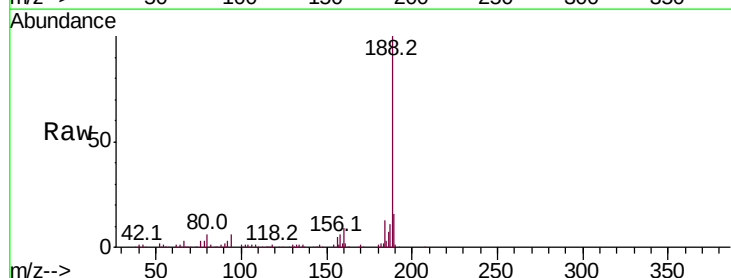
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BG043676.D
 Acq: 18 Nov 2019 16:56

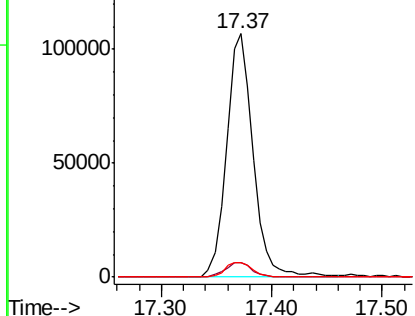
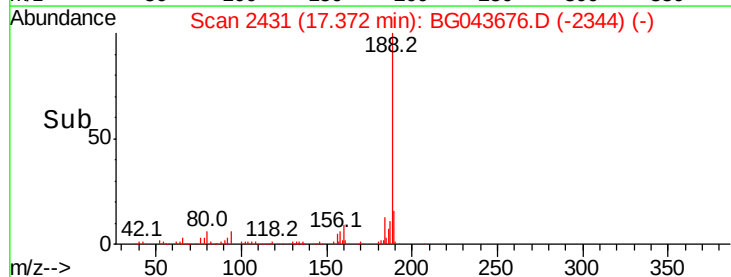
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.2	6.4
80	5.9	4.5	6.7

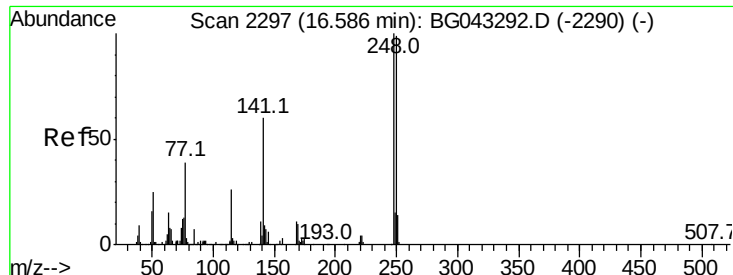


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

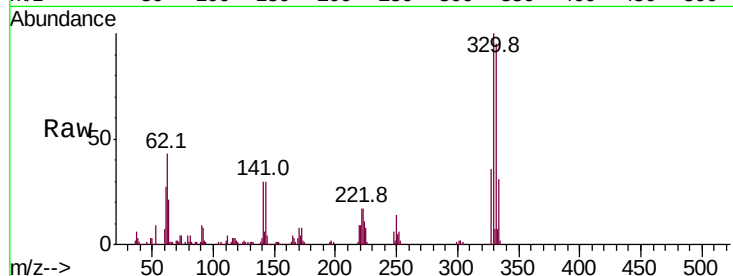




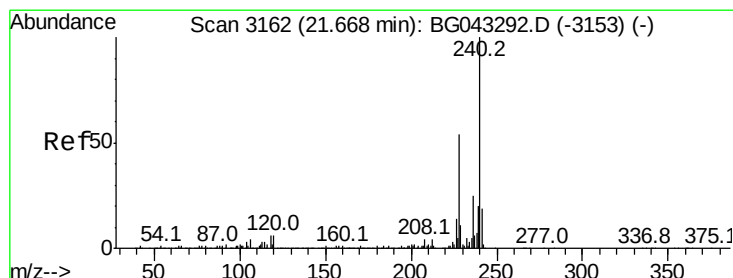
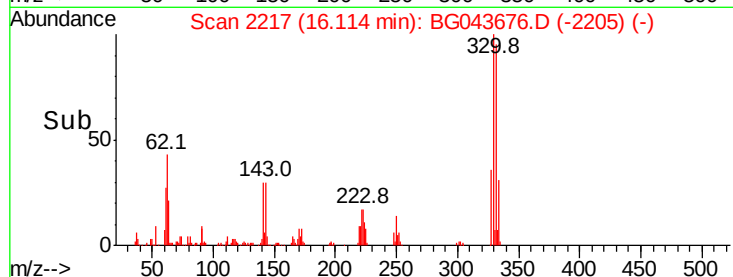
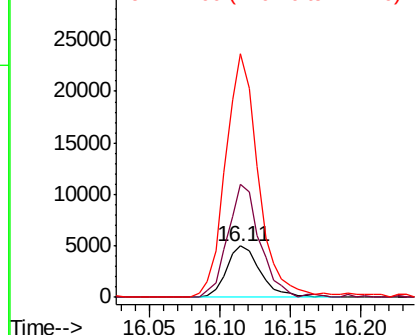
#67
4-Bromophenyl-phenylether
Concen: 3.459 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.46 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8351
Ion Ratio Lower Upper
248 100
250 218.2 77.0 115.4#
141 472.4 47.5 71.3#

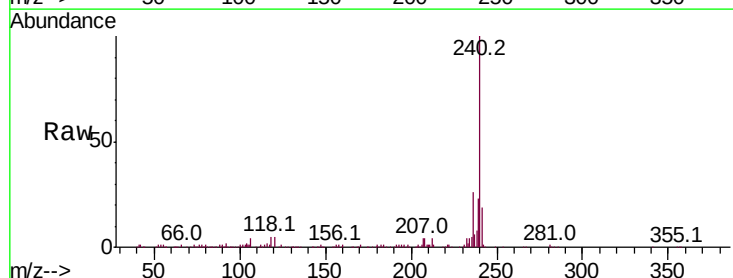


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

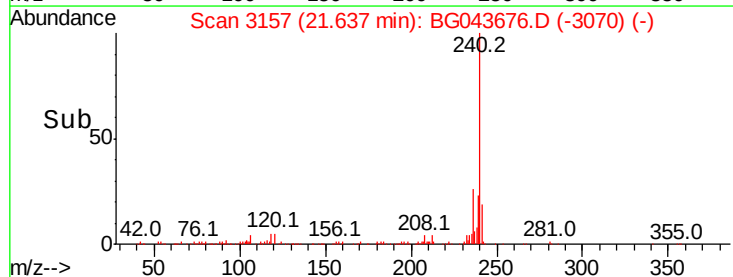
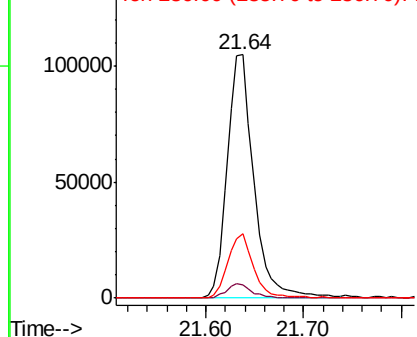


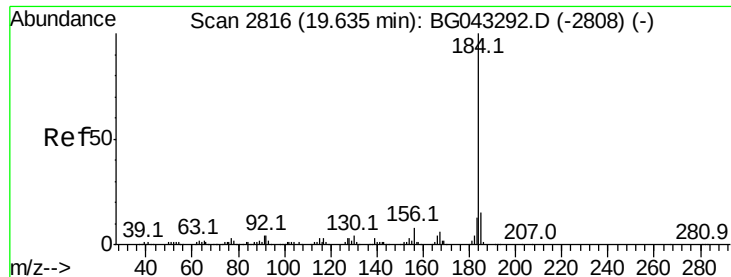
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BG043676.D
Acq: 18 Nov 2019 16:56

Tgt Ion:240 Resp: 198686
Ion Ratio Lower Upper
240 100
120 5.2 4.6 6.8
236 26.3 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.919 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

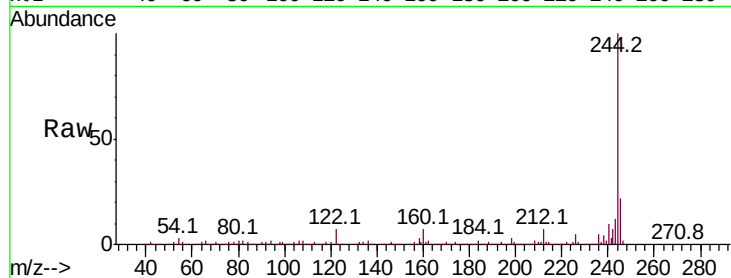
Tot Ion:184 Resp: 15672

Ion Ratio Lower Upper

184 100

185 17.4 11.0 16.4#

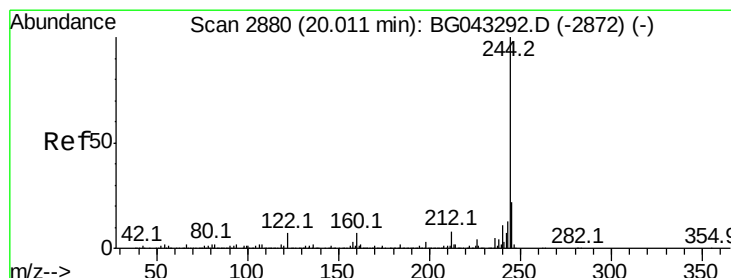
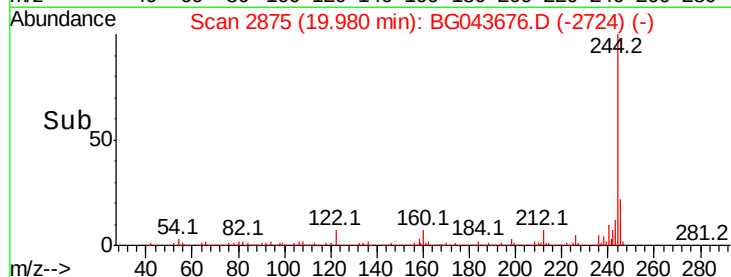
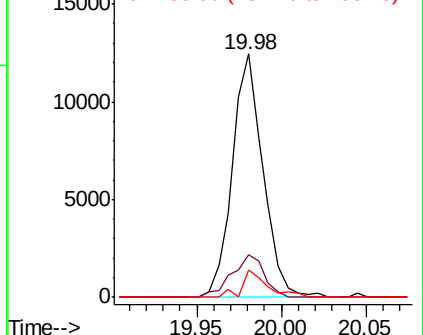
183 11.1 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 96.919 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

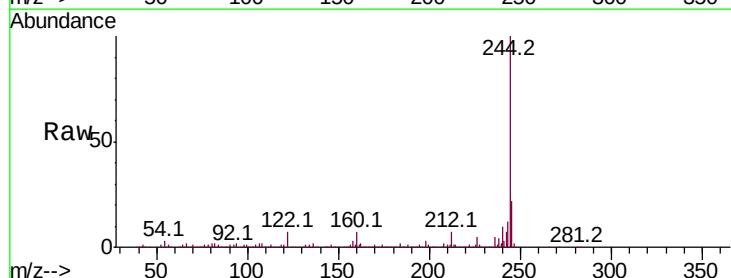
Tgt Ion:244 Resp: 1026428

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

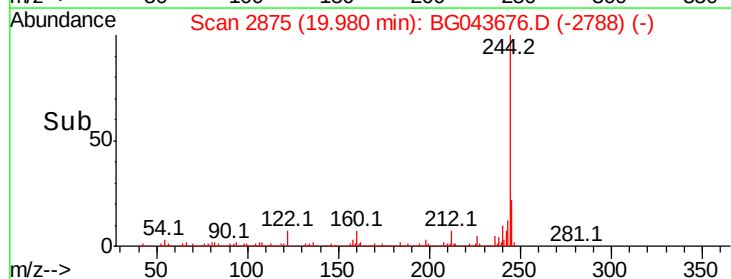
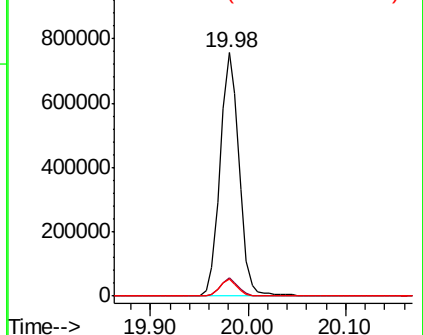
122 7.1 5.4 8.2

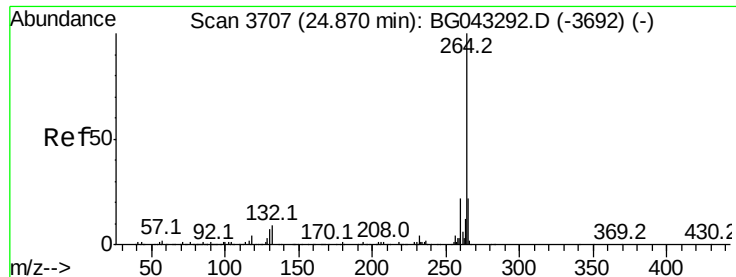


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.04 min

Lab File: BG043676.D

Acq: 18 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

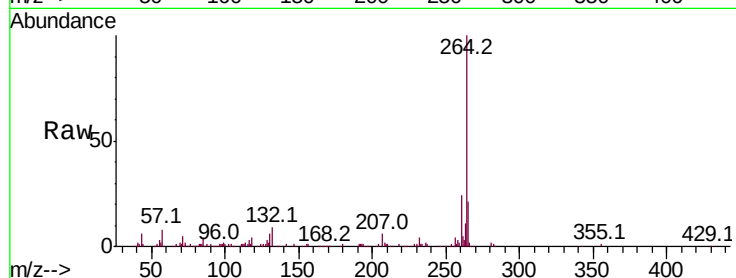
Tot Ion:264 Resp: 229046

Ion Ratio Lower Upper

264 100

260 23.6 17.5 26.3

265 21.4 17.4 26.0



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

