

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044768.D
 Acq On : 13 Mar 2020 15:37
 Operator : CG/JU
 Sample : L1887-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 16:37:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	114420	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	465734	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	305216	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	657507	20.00	ng	0.00
76) Chrysene-d12	21.70	240	554436	20.00	ng	-0.01
87) Perylene-d12	24.92	264	645092	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	756851	102.97	ng	0.00
7) Phenol-d6	7.21	99	1089955	102.06	ng	0.00
23) Nitrobenzene-d5	9.20	82	724283	68.24	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	417077	104.36	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1446702	67.88	ng	0.00
79) Terphenyl-d14	20.04	244	1952963	65.89	ng	0.00

Target Compounds

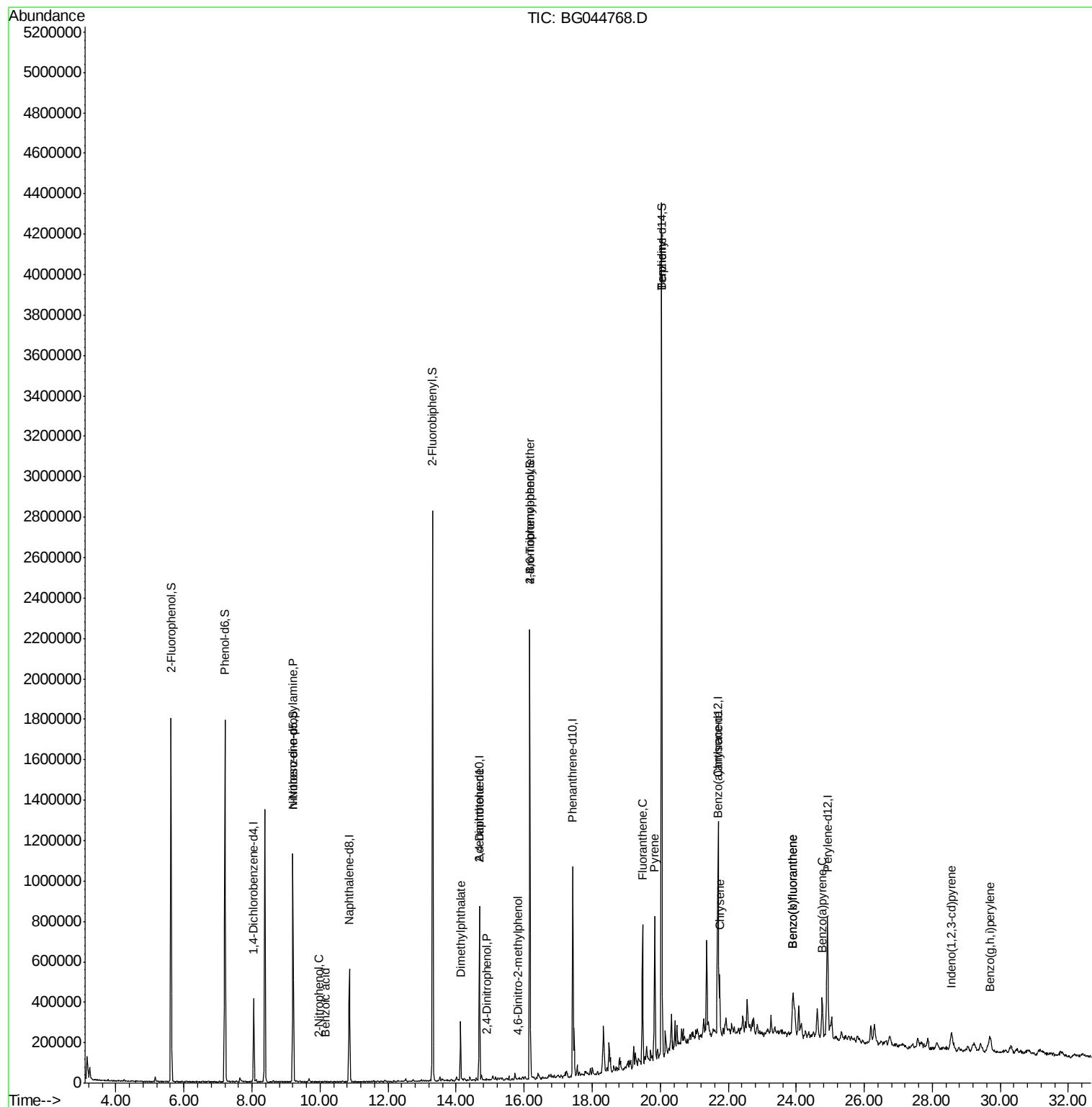
						Qvalue
9) Benzaldehyde	7.19	77	1296	Below Cal	#	60
19) n-Nitroso-di-n-propylamine	9.21	70	96908	12.851 ng	#	78
26) 2-Nitrophenol	9.98	139	58	5.529 ng	#	28
32) Benzoic acid	10.16	122	54	9.678 ng	#	35
50) Dimethylphthalate	14.13	163	183054	7.530 ng		98
54) 2,4-Dinitrophenol	14.89	184	72	8.348 ng	#	39
57) 2,4-Dinitrotoluene	14.69	165	40597	6.041 ng	#	17
65) 4,6-Dinitro-2-methylphenol	15.81	198	69	7.747 ng	#	35
67) 4-Bromophenyl-phenylether	16.17	248	29446	3.582 ng	#	1
75) Fluoranthene	19.48	202	428618	10.245 ng		94
77) Benzidine	20.04	184	38465	2.137 ng	#	89
78) Pyrene	19.84	202	441765	10.860 ng		96
81) Benzo(a)anthracene	21.68	228	222966	5.585 ng		98
83) Chrysene	21.74	228	219351	5.752 ng		95
86) Indeno(1,2,3-cd)pyrene	28.56	276	155983	3.120 ng	#	96
88) Benzo(b)fluoranthene	23.90	252	291698	6.849 ng		99
89) Benzo(k)fluoranthene	23.90	252	291698	7.238 ng		99
90) Benzo(a)pyrene	24.76	252	233137	5.850 ng		96
92) Benzo(a,h,i)perylene	29.70	276	144526	3.639 ng		95

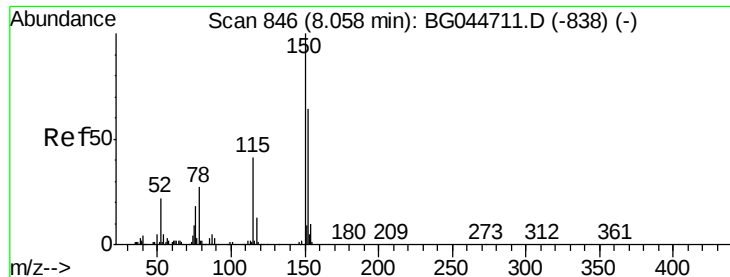
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration



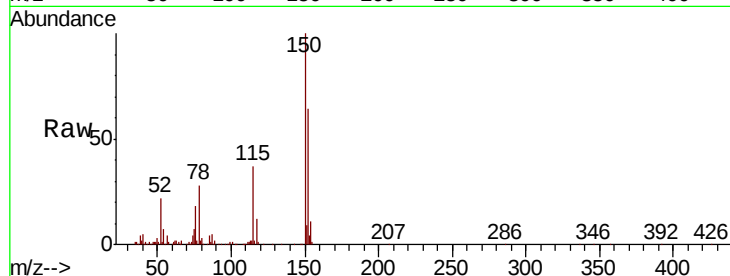


#1

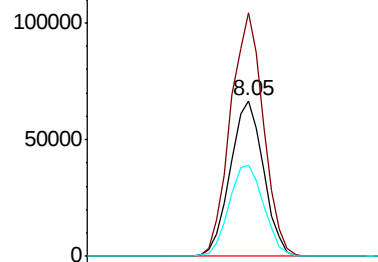
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Instrument :
BNA_G
ClientSampleId :

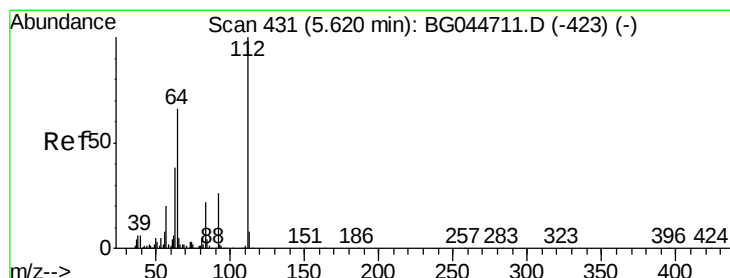
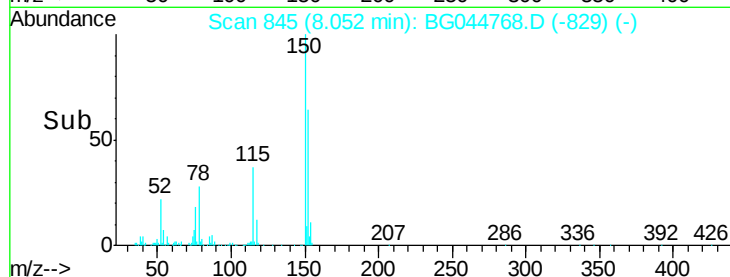
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.3	187.9
115	58.7	51.7	77.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



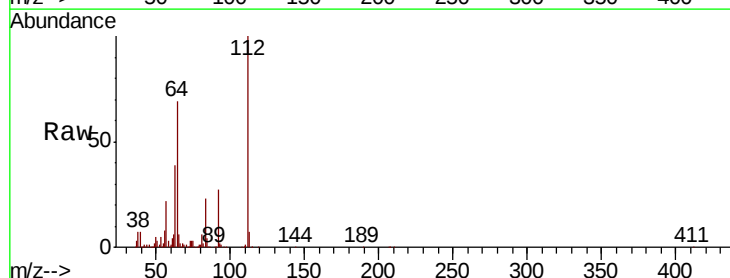
Time-->



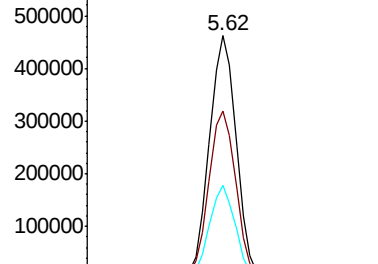
#5

2-Fluorophenol
Concen: 102.970 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.00 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

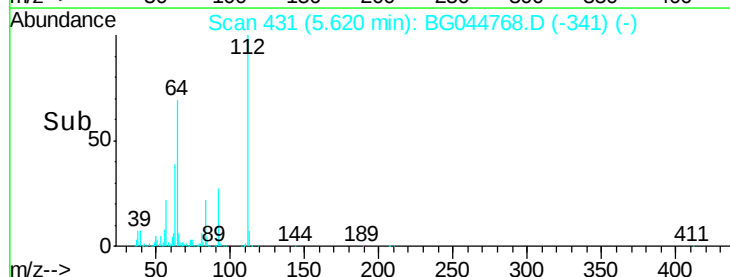
Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	52.6	78.8
63	38.6	30.2	45.4

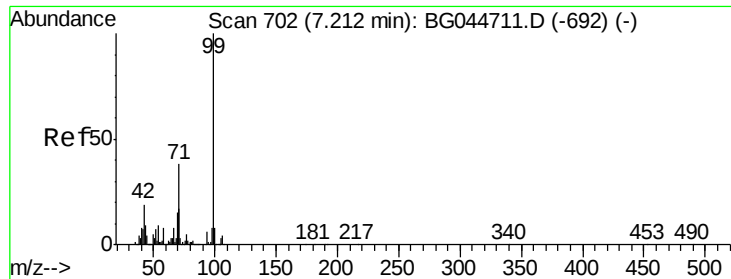


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG



Time-->





#7

Phenol-d6

Concen: 102.062 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

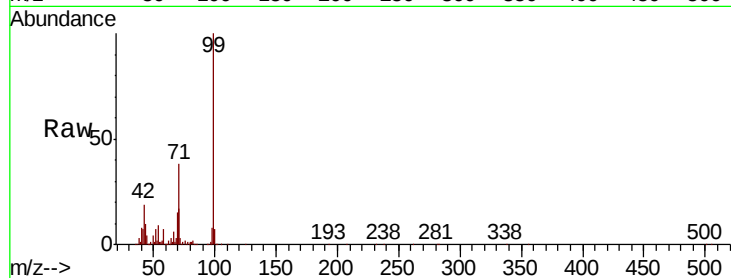
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1089955

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.4	23.0
71	38.4	30.2	45.4

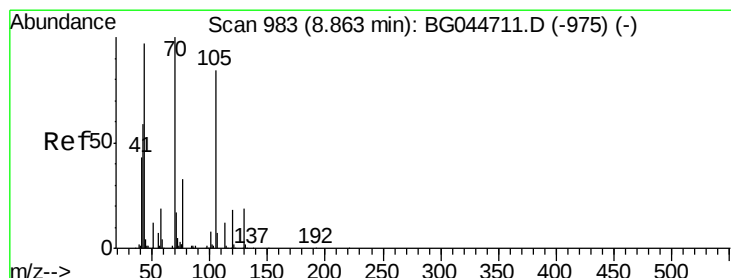
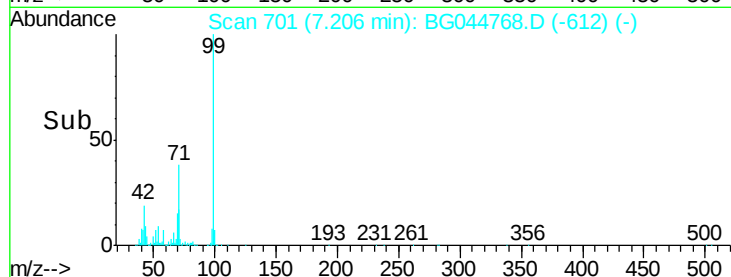
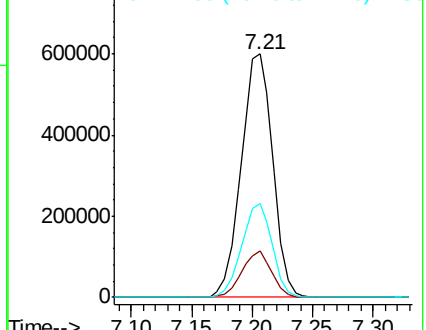


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 12.851 ng

RT: 9.21 min Scan# 1042

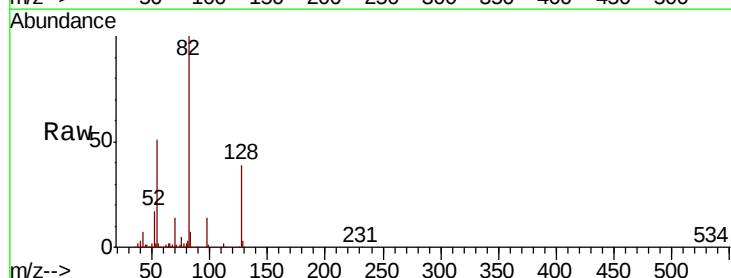
Delta R.T. 0.35 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

Tgt Ion: 70 Resp: 96908

Ion	Ratio	Lower	Upper
70	100		
42	46.7	47.6	71.4#
101	0.0	6.5	9.7#
130	1.6	15.0	22.4#



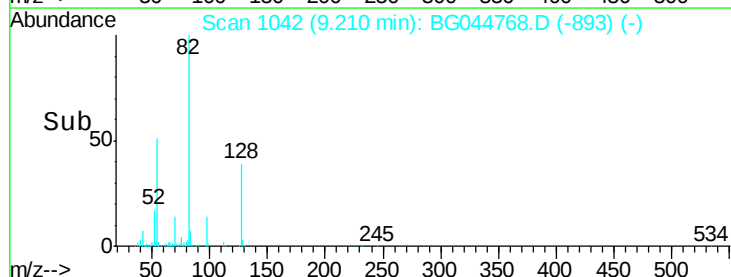
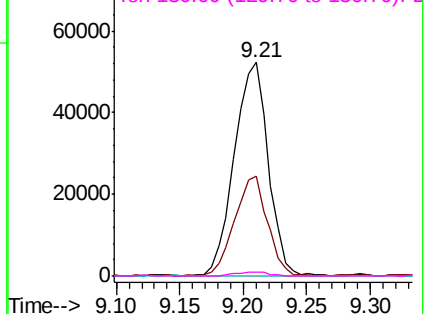
Abundance

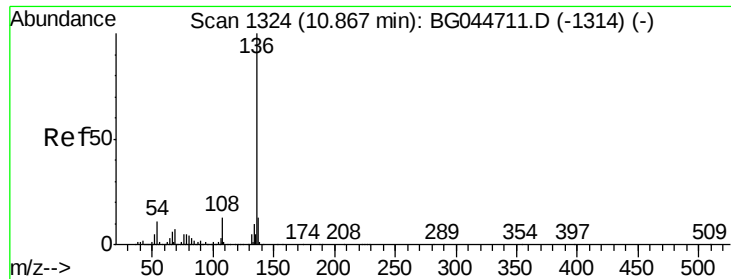
Ion 70.00 (69.70 to 70.70): BGC

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

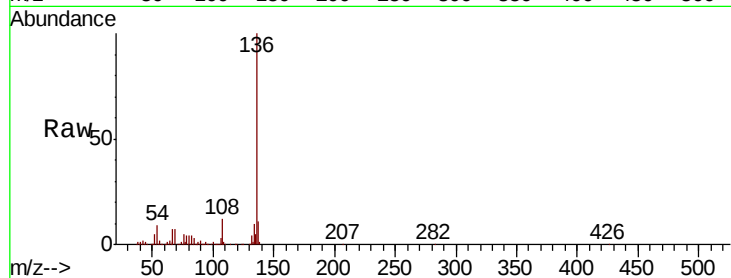




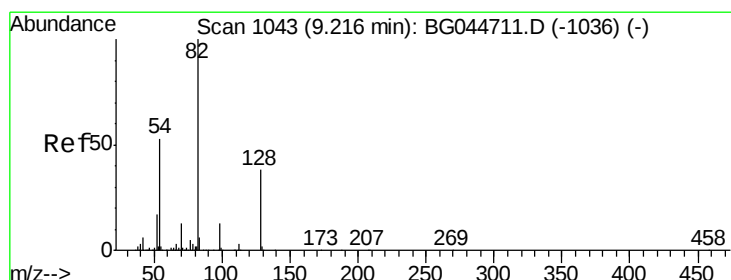
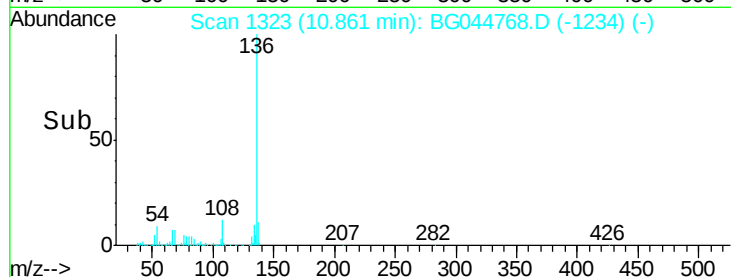
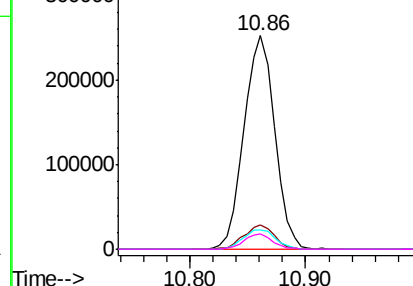
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	465734
Ion Ratio	Lower	Upper
136	100	
137	11.4	10.7 16.1
54	9.2	9.0 13.4
68	7.3	5.9 8.9

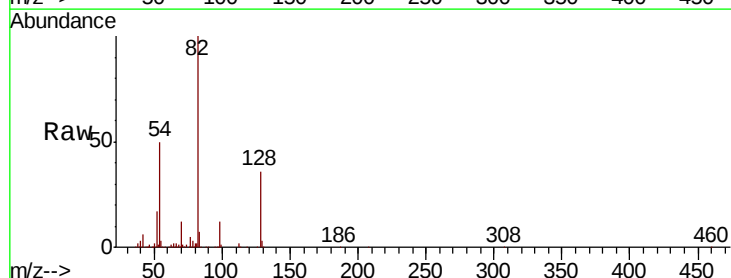


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

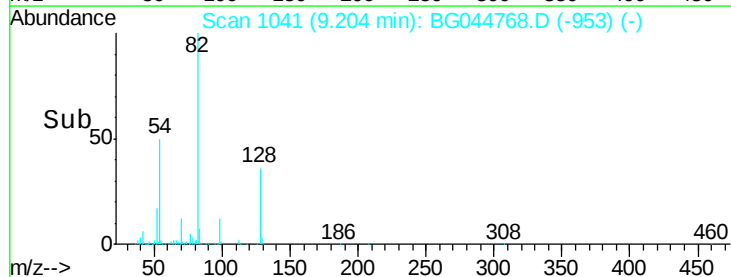
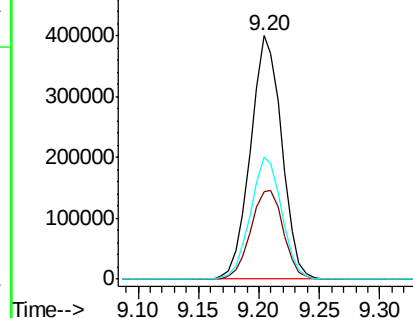


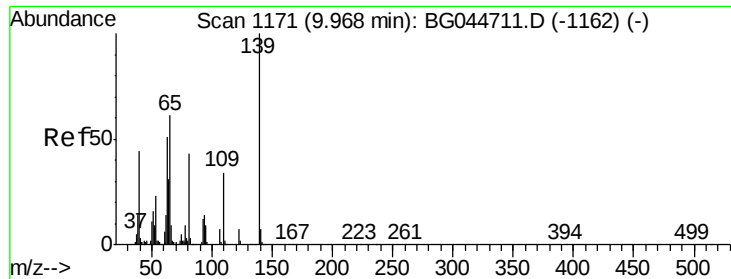
#23
Nitrobenzene-d5
Concen: 68.242 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Tgt Ion: 82	Resp:	724283
Ion Ratio	Lower	Upper
82	100	
128	35.7	30.2 45.2
54	50.0	41.8 62.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

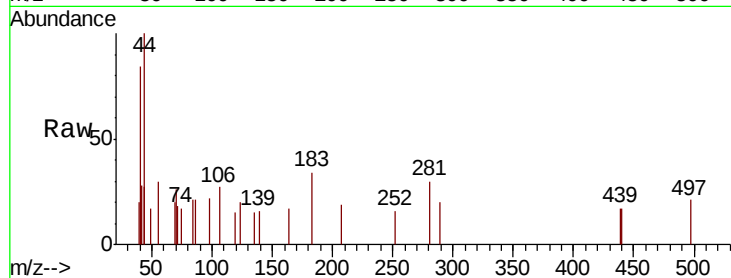




#26
2-Nitrophenol
Concen: 5.529 ng
RT: 9.98 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#

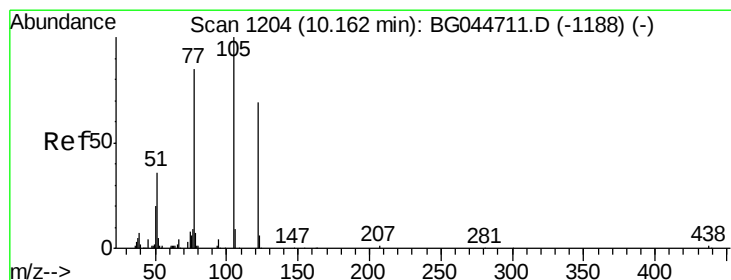
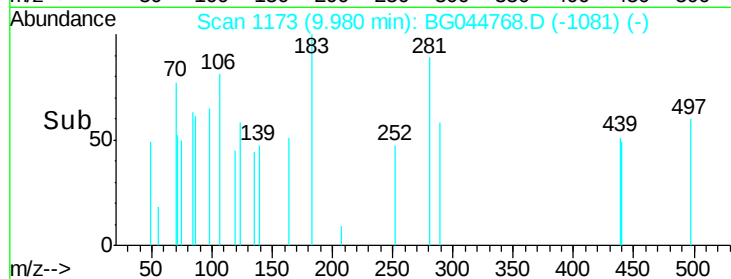
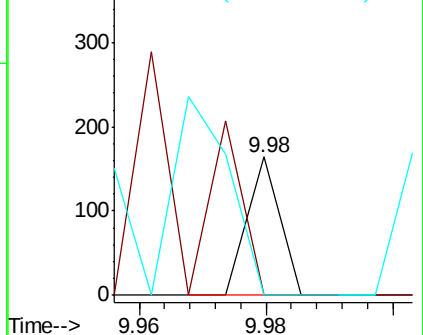


Abundance

Ion 139.00 (138.70 to 139.70): E

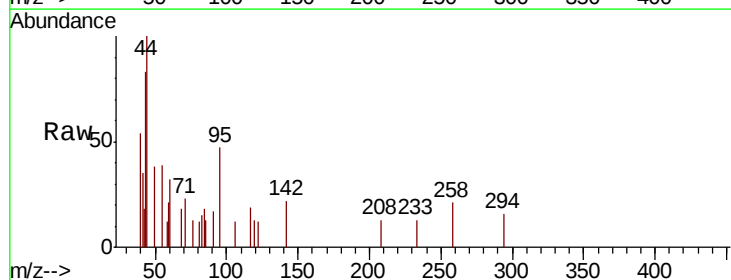
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32
Benzoic acid
Concen: 9.678 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	102.0	119.0	159.0#
77	0.0	96.4	136.4#

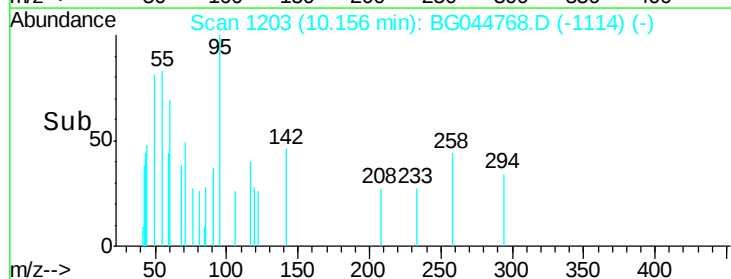
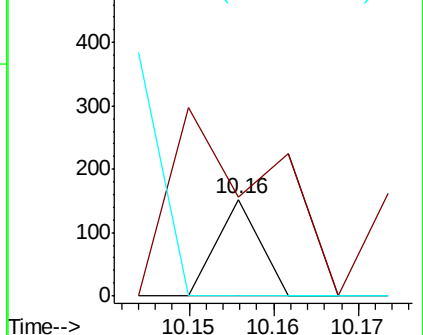


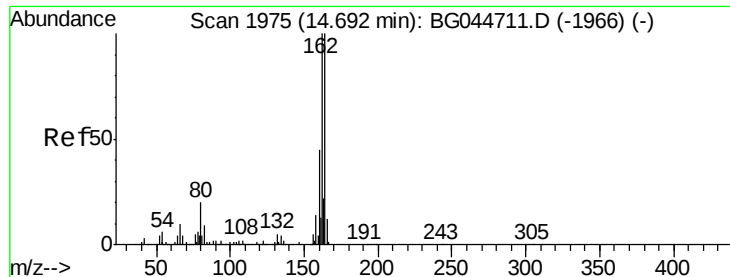
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

Instrument :

BNA_G

ClientSampled :

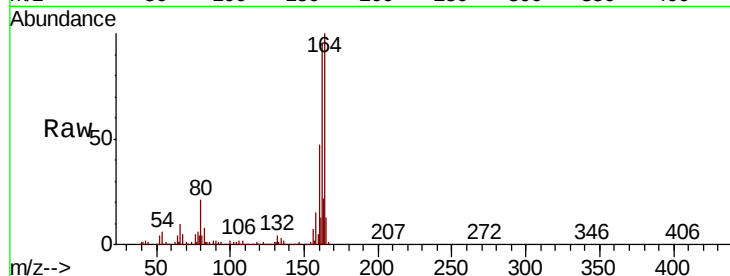
Tot Ion:164 Resp: 305216

Ion Ratio Lower Upper

164 100

162 94.8 80.2 120.4

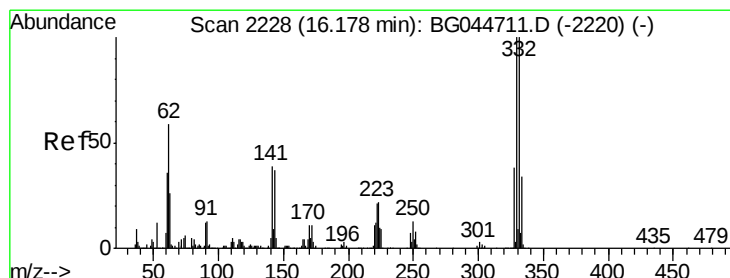
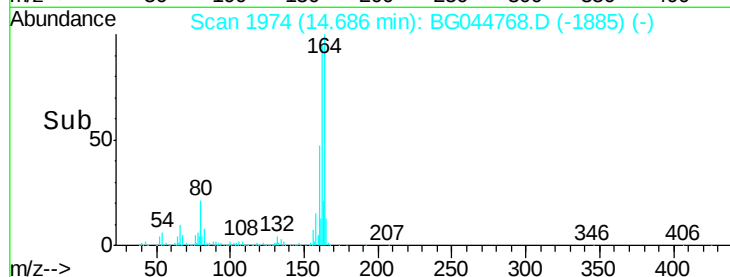
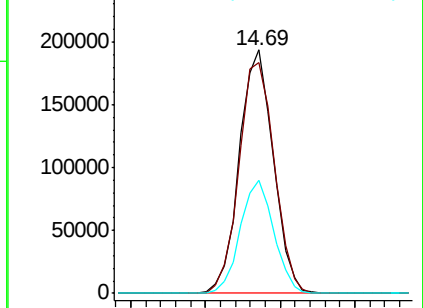
160 46.6 36.2 54.2



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: 104.365 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

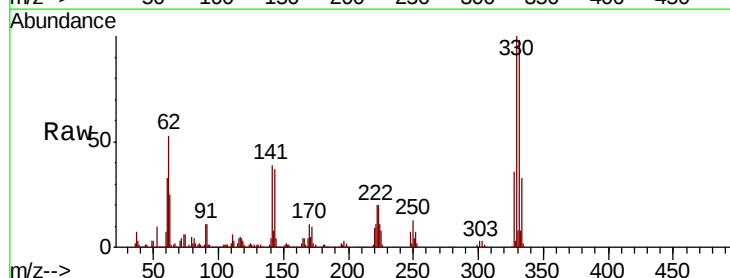
Tgt Ion:330 Resp: 417077

Ion Ratio Lower Upper

330 100

332 97.7 77.5 116.3

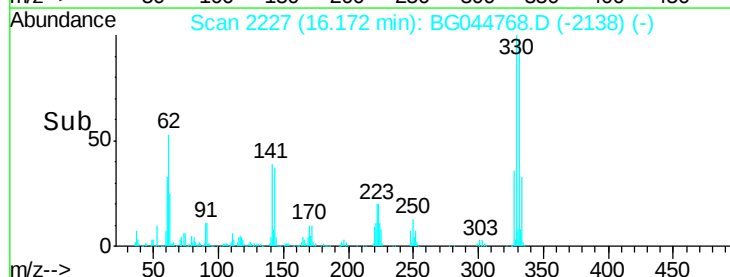
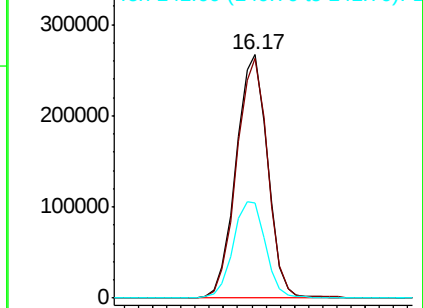
141 40.7 31.7 47.5

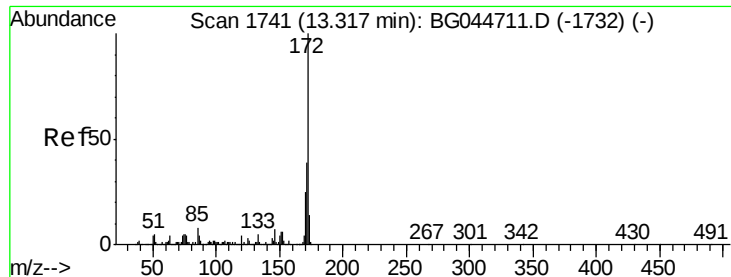


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

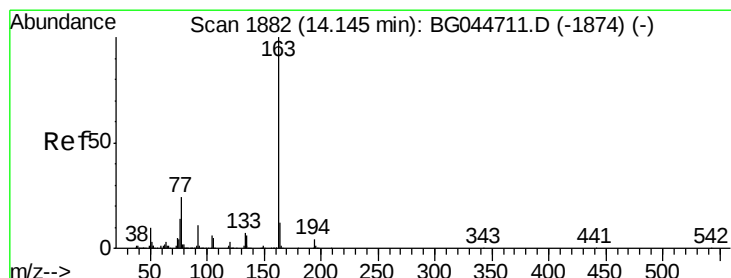
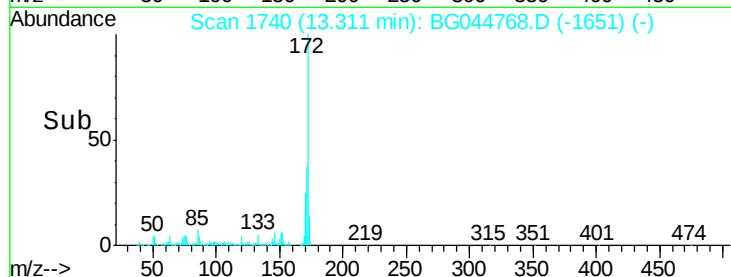
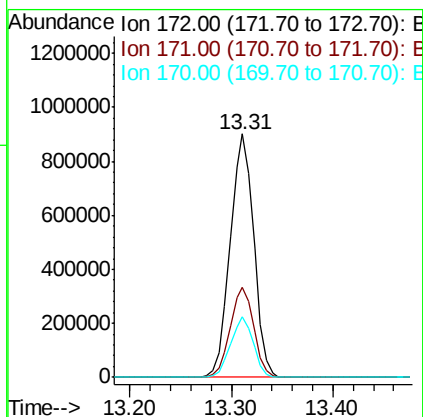
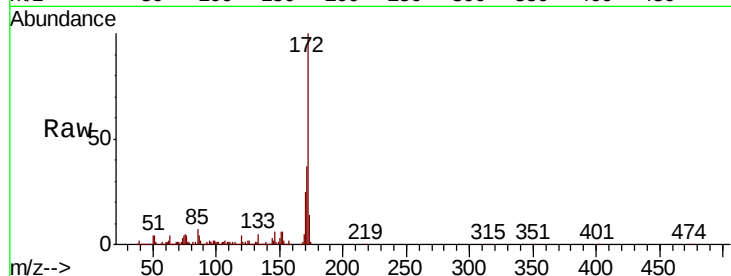




#45
2-Fluorobiphenyl
Concen: 67.877 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

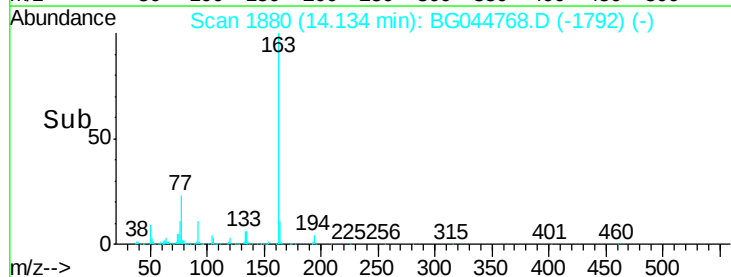
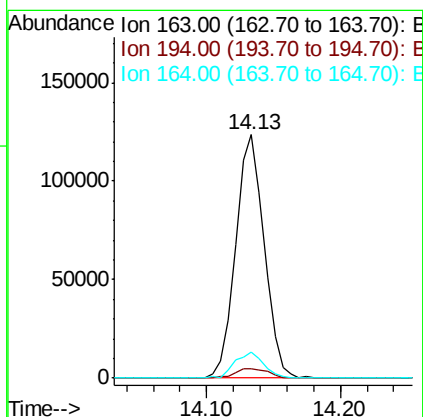
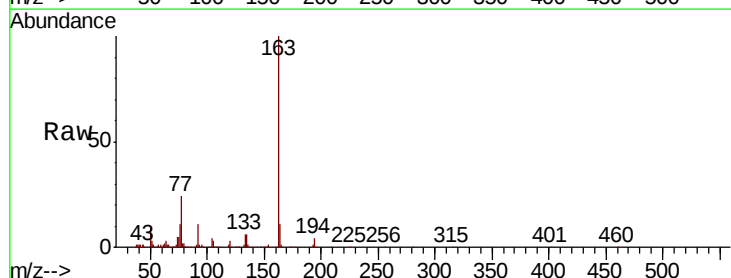
Instrument :
BNA_G
ClientSampled :

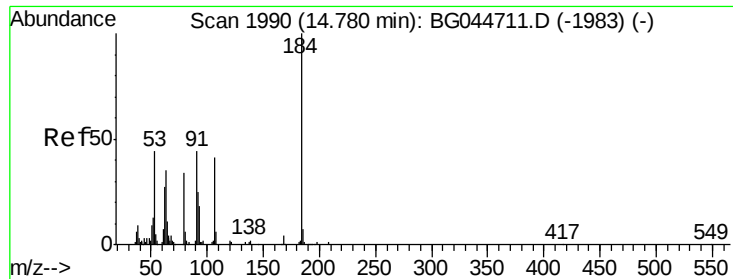
Tot Ion:172 Resp: 1446702
Ion Ratio Lower Upper
172 100
171 37.0 30.8 46.2
170 25.0 20.0 30.0



#50
Dimethylphthalate
Concen: 7.530 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Tgt Ion:163 Resp: 183054
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.5 9.2 13.8

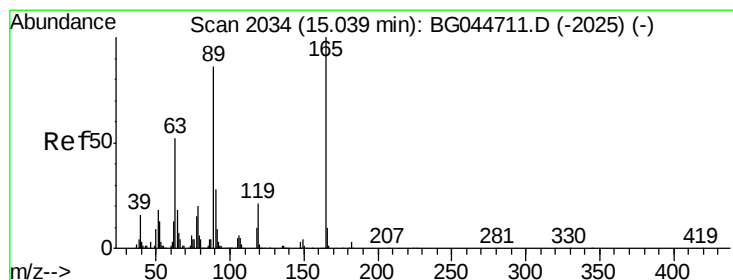
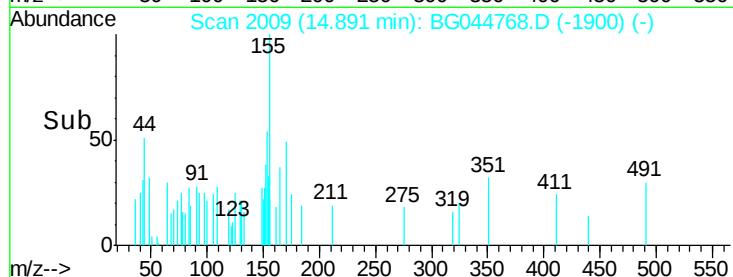
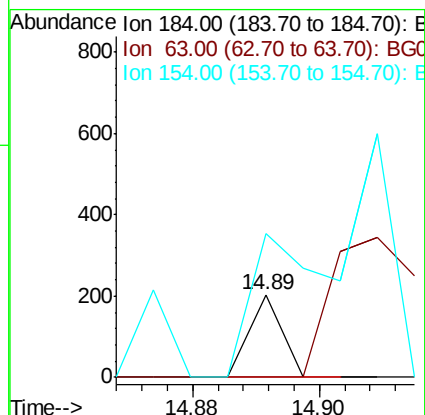
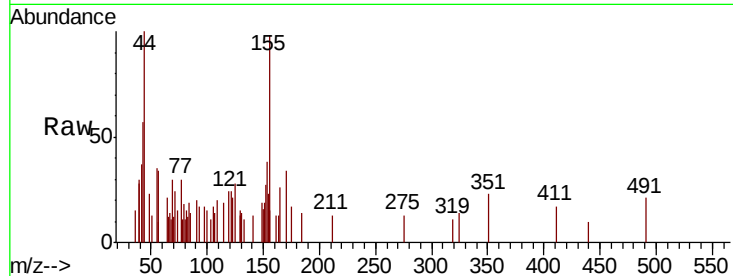




#54
2,4-Dinitrophenol
Concen: 8.348 ng
RT: 14.89 min Scan# 2009
Delta R.T. 0.11 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

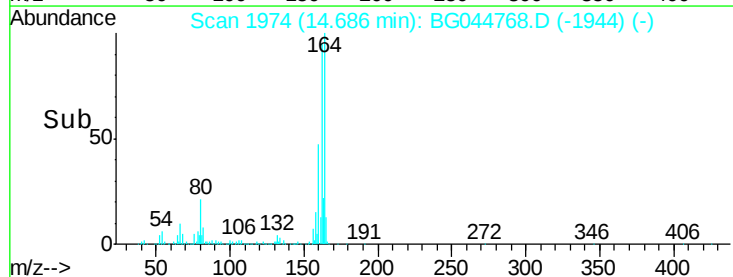
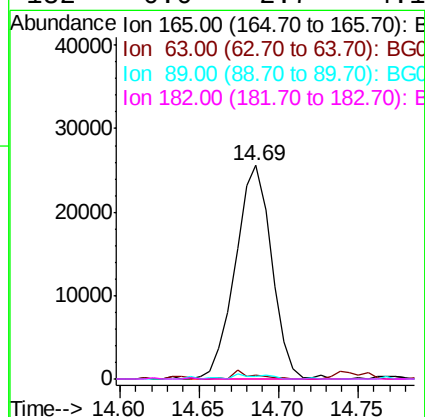
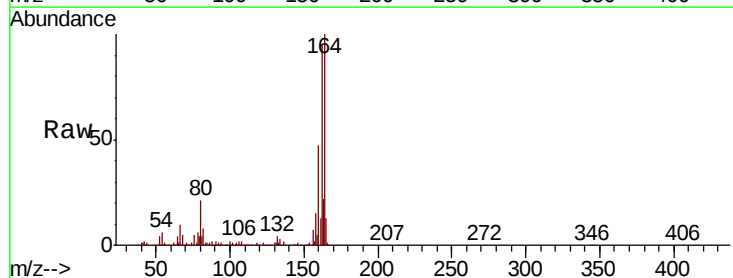
Instrument :
BNA_G
ClientSampleId :

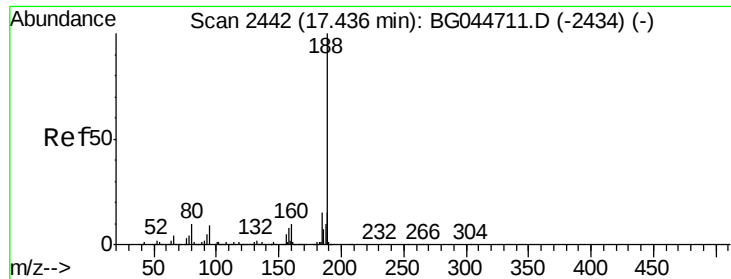
Tot Ion:184 Resp: 72
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 173.5 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 6.041 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Tgt Ion:165 Resp: 40597
Ion Ratio Lower Upper
165 100
63 1.7 41.5 62.3#
89 1.4 69.0 103.4#
182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

Instrument :

BNA_G

ClientSampled :

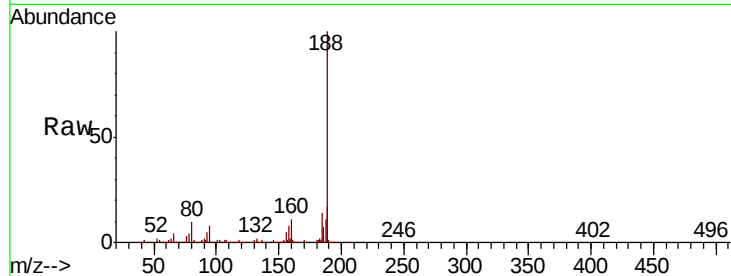
Tot Ion:188 Resp: 657507

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

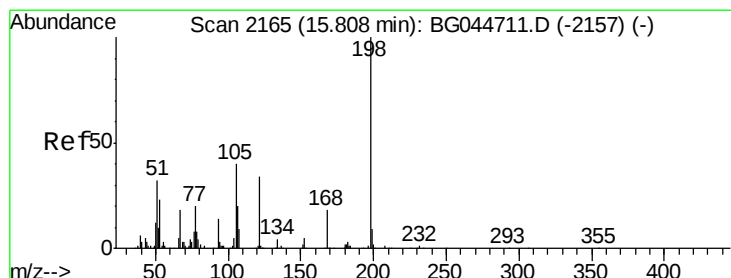
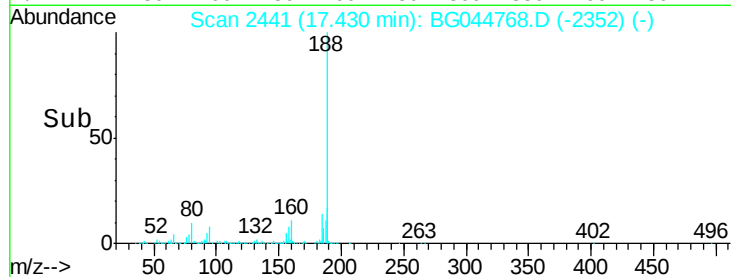
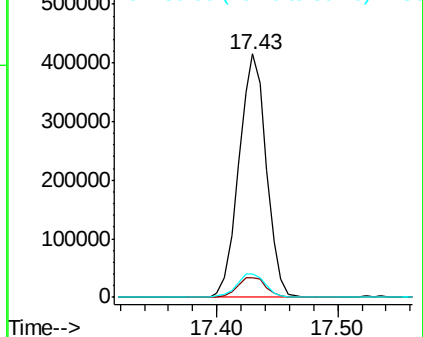
80 9.7 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.747 ng

RT: 15.81 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

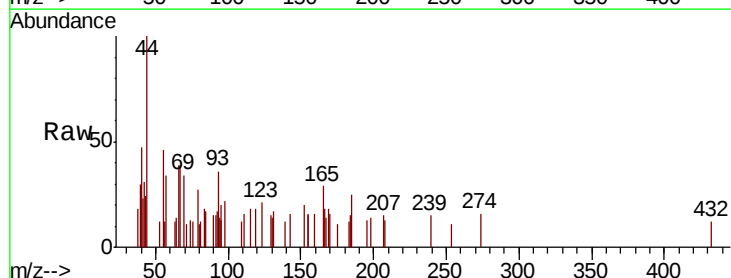
Tgt Ion:198 Resp: 69

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

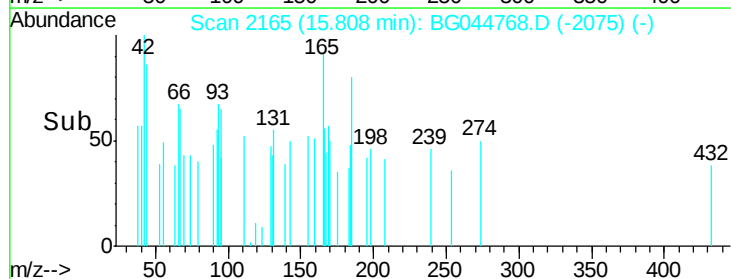
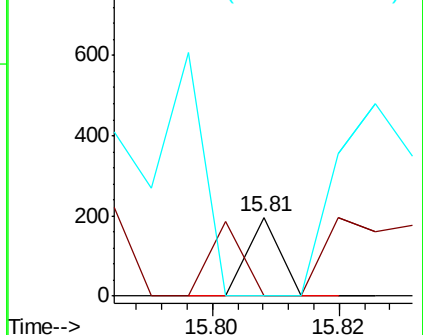
105 0.0 21.3 61.3#

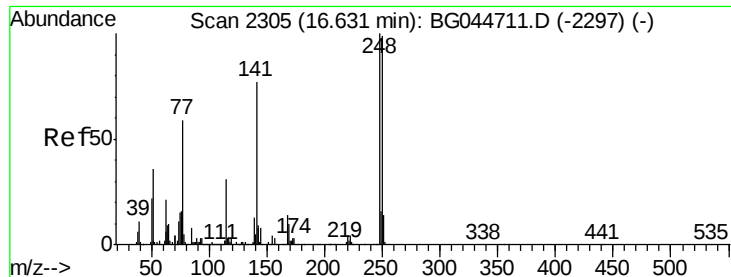


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

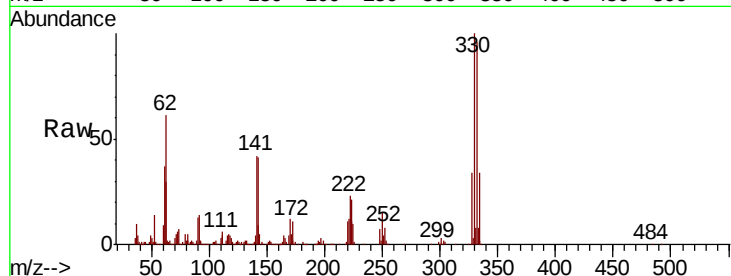




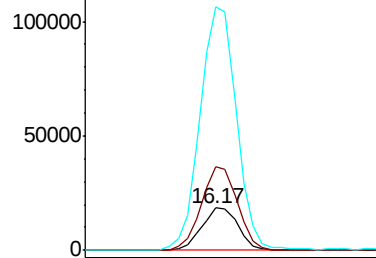
#67
 4-Bromophenyl-phenylether
 Concen: 3.582 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044768.D
 Acq: 13 Mar 2020 15:37

Instrument :
 BNA_G
 ClientSampled :

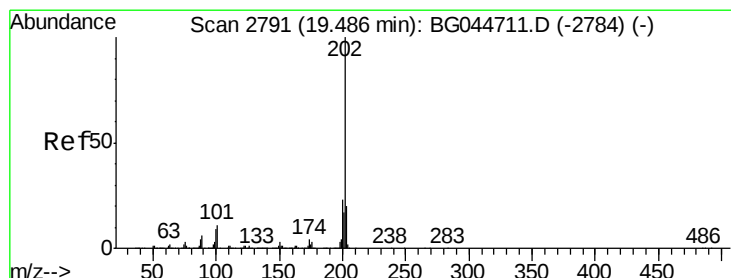
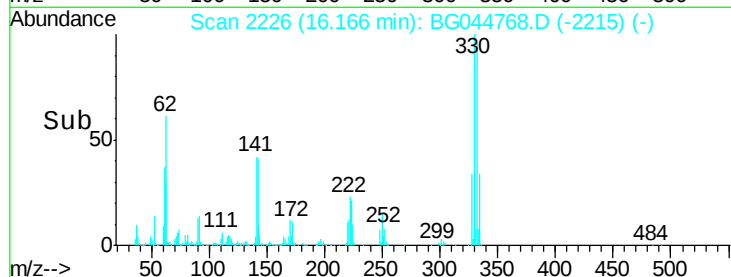
Tot Ion:248 Resp: 29446
 Ion Ratio Lower Upper
 248 100
 250 198.2 79.4 119.0#
 141 574.6 61.7 92.5#



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

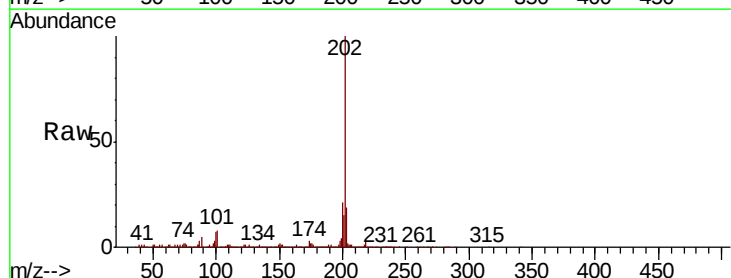


Time-->

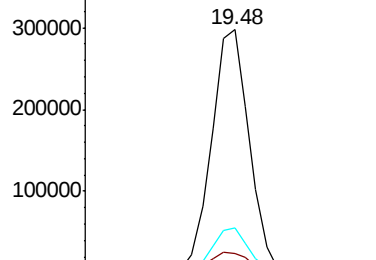


#75
 Fluoranthene
 Concen: 10.245 ng
 RT: 19.48 min Scan# 2790
 Delta R.T. -0.01 min
 Lab File: BG044768.D
 Acq: 13 Mar 2020 15:37

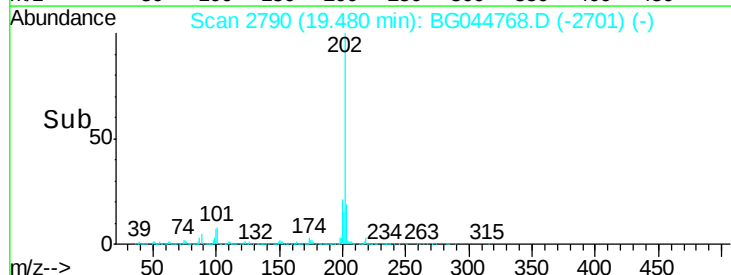
Tgt Ion:202 Resp: 428618
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 31.3
 203 18.7 0.4 40.4

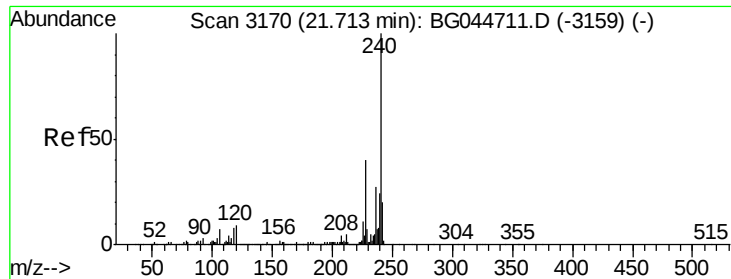


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



Time-->

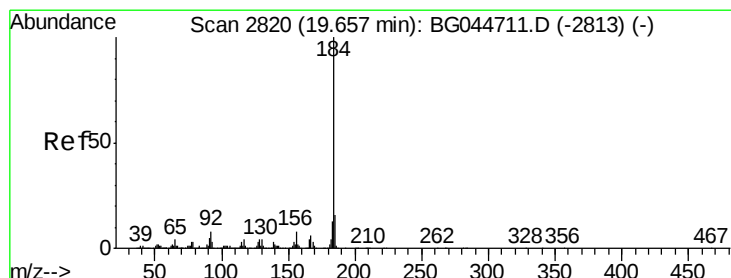
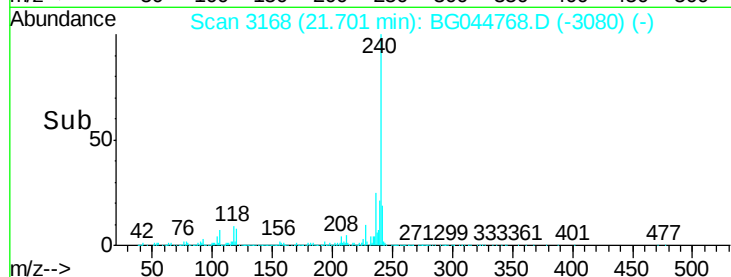
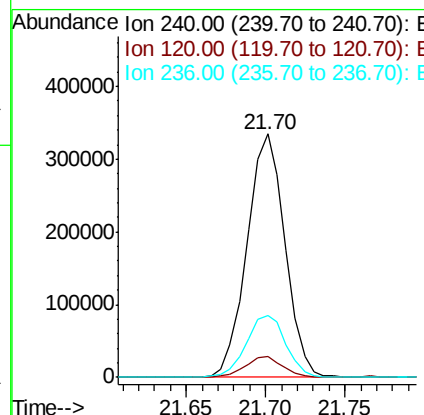
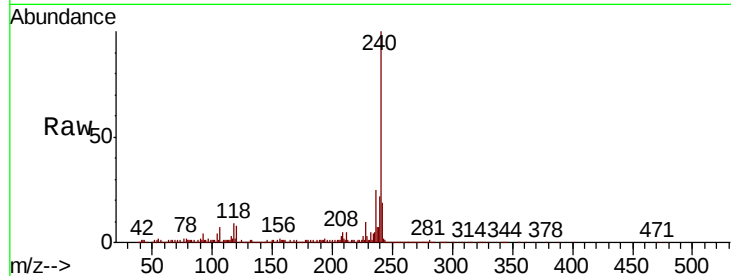




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

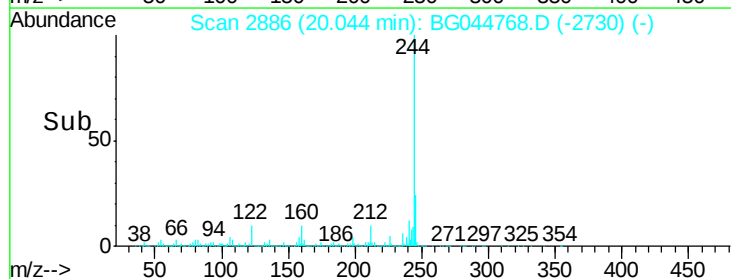
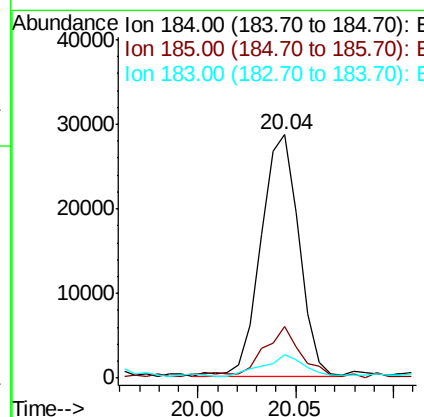
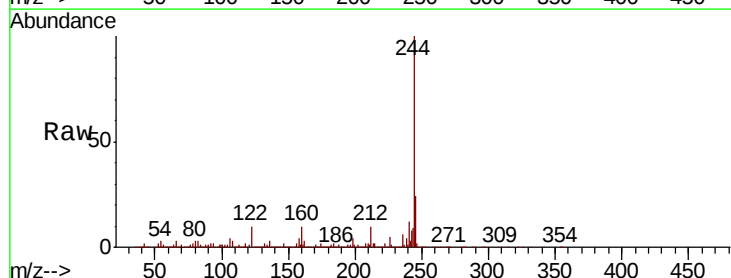
Instrument :
BNA_G
ClientSampleId :

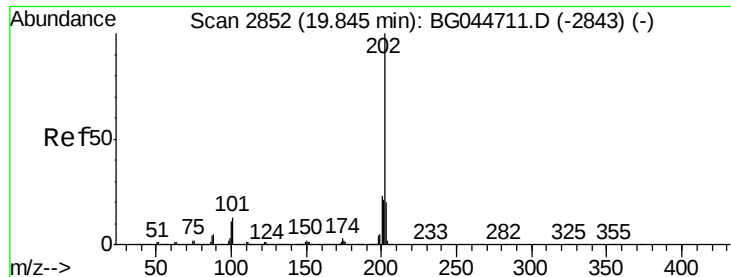
Tot Ion:240 Resp: 554436
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 25.4 21.9 32.9



#77
Benzidine
Concen: 2.137 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.39 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Tgt Ion:184 Resp: 38465
Ion Ratio Lower Upper
184 100
185 21.1 12.9 19.3#
183 9.6 10.6 15.8#





#78

Pvrene

Concen: 10.860 ng

RT: 19.84 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

Instrument :

BNA_G

ClientSampleId :

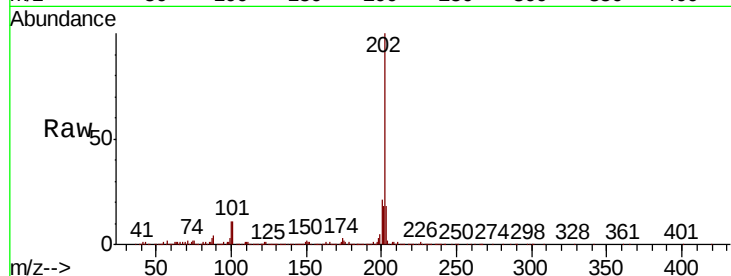
Tot Ion:202 Resp: 441765

Ion Ratio Lower Upper

202 100

200 21.3 18.7 28.1

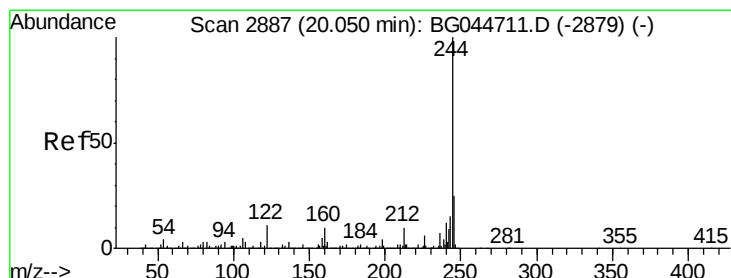
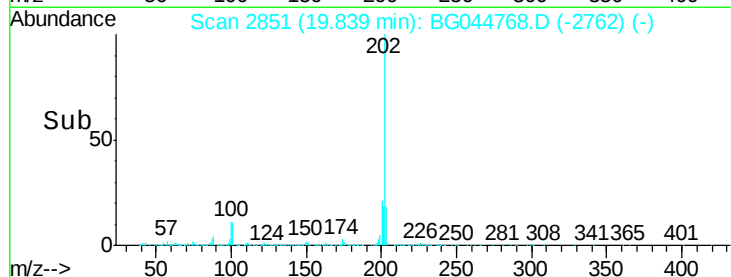
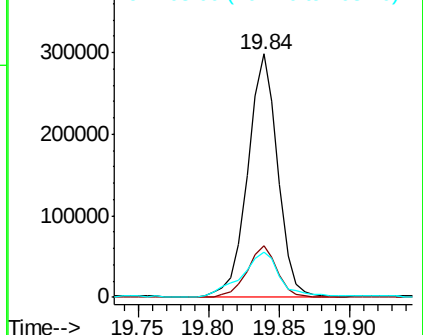
203 18.3 16.0 24.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 65.889 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

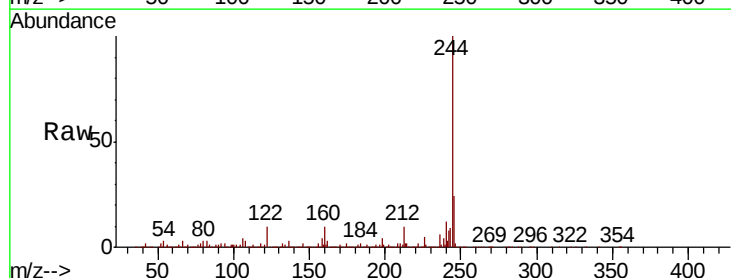
Tgt Ion:244 Resp: 1952963

Ion Ratio Lower Upper

244 100

212 9.9 8.4 12.6

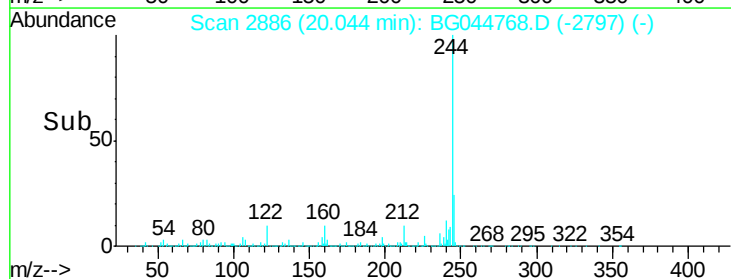
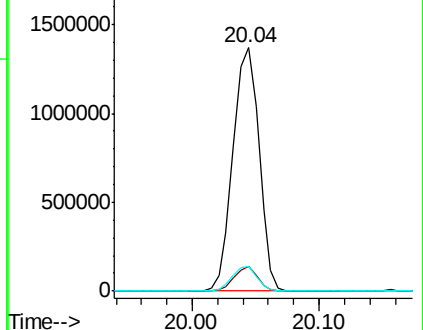
122 9.9 8.7 13.1

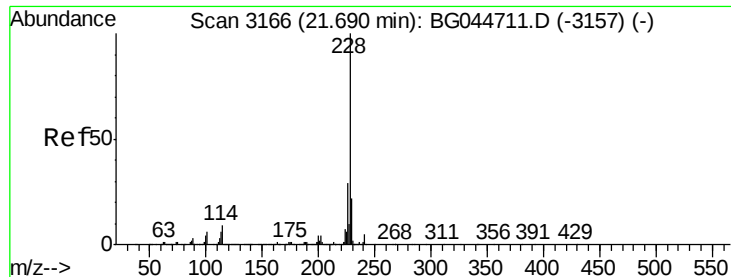


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

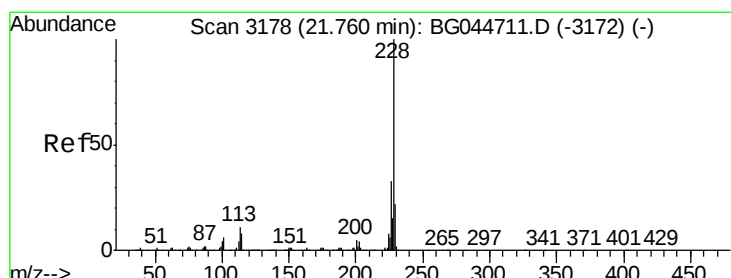
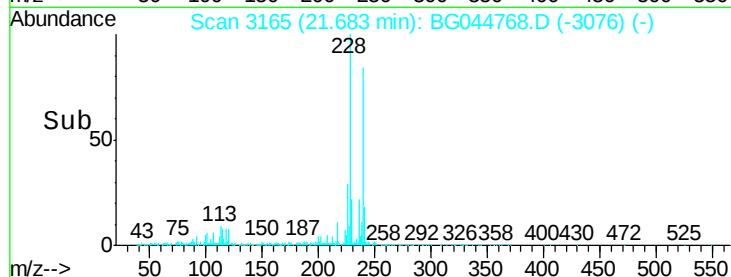
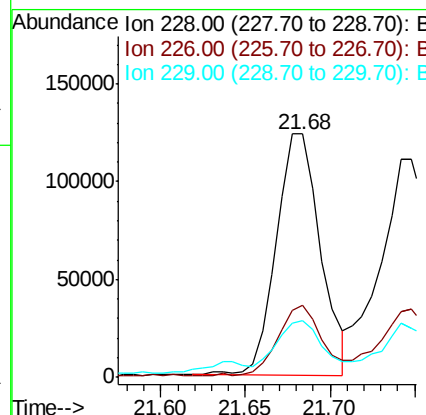
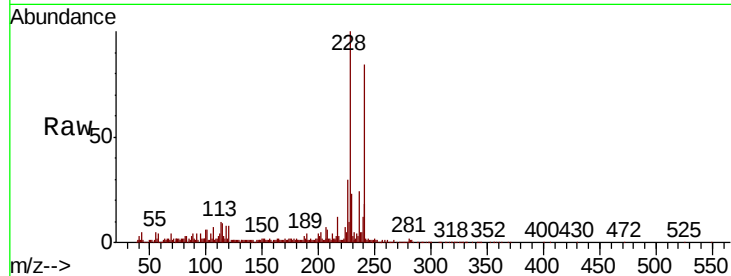




#81
Benzo(a)anthracene
Concen: 5.585 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

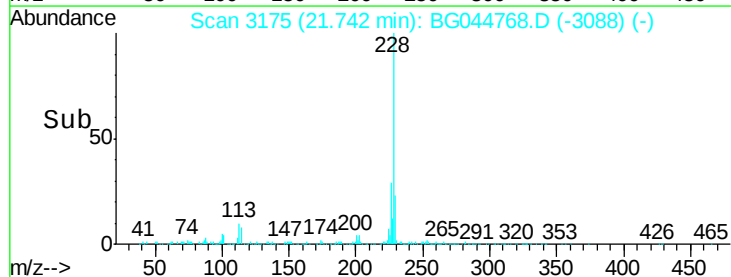
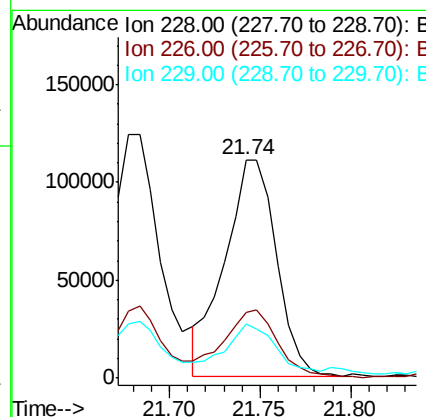
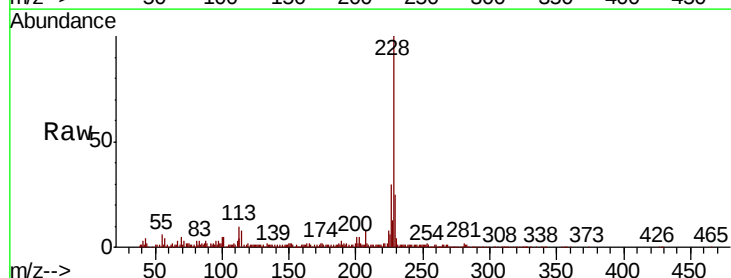
Instrument :
BNA_G
ClientSampleId :

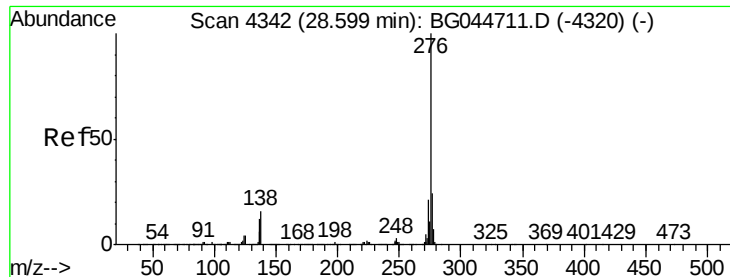
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	23.3	17.2	25.8



#83
Chrysene
Concen: 5.752 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.02 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	26.1	39.1
229	24.6	17.4	26.0

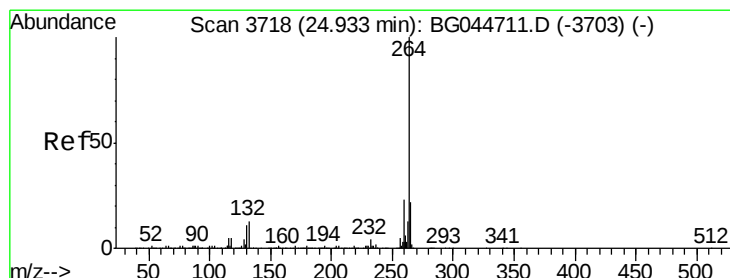
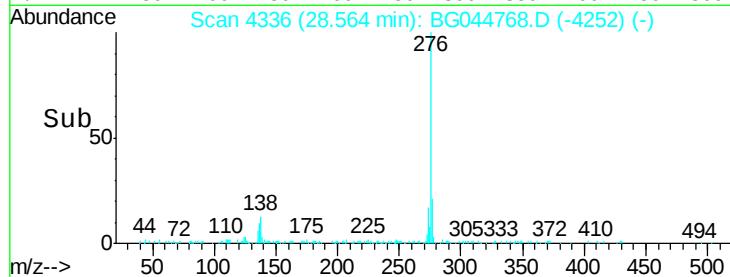
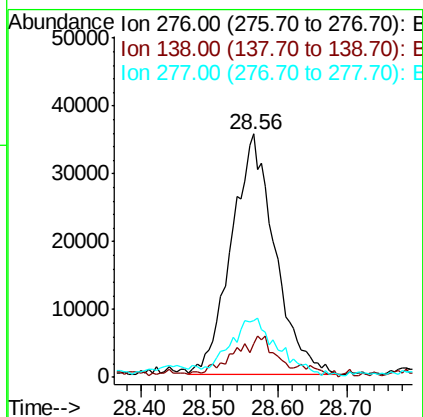
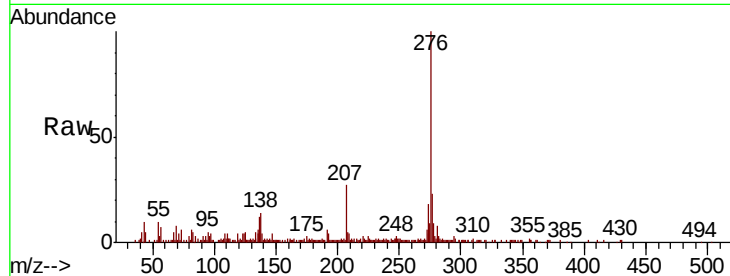




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.120 ng
RT: 28.56 min Scan# 4336
Delta R.T. -0.04 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

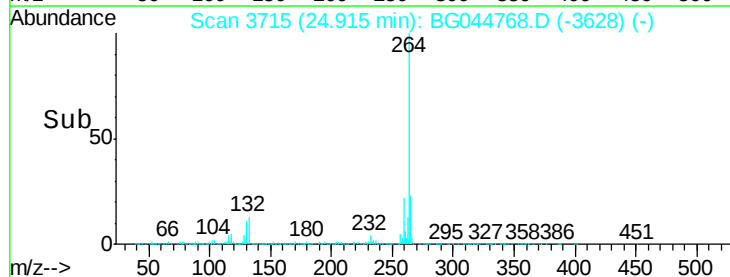
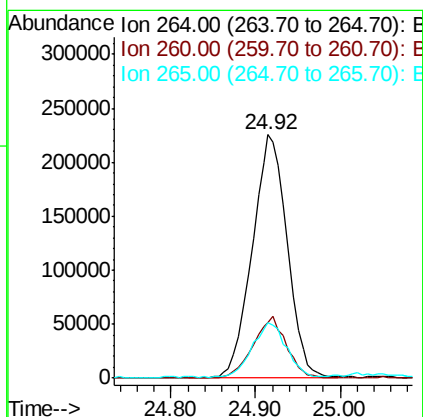
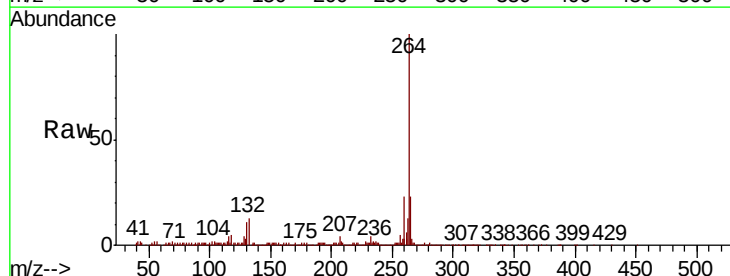
Instrument :
BNA_G
ClientSampleId :

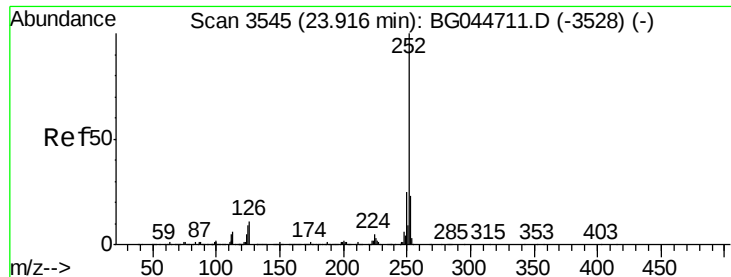
Tot Ion:276 Resp: 155983
Ion Ratio Lower Upper
276 100
138 9.7 10.9 16.3#
277 25.8 20.8 31.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044768.D
Acq: 13 Mar 2020 15:37

Tgt Ion:264 Resp: 645092
Ion Ratio Lower Upper
264 100
260 22.5 18.4 27.6
265 23.0 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 6.849 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.02 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

Instrument :

BNA_G

ClientSampleId :

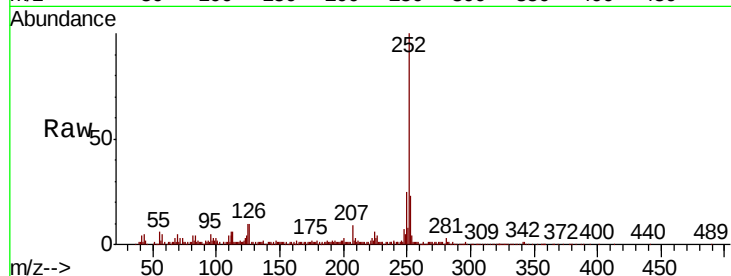
Tot Ion:252 Resp: 291698

Ion Ratio Lower Upper

252 100

253 23.3 18.7 28.1

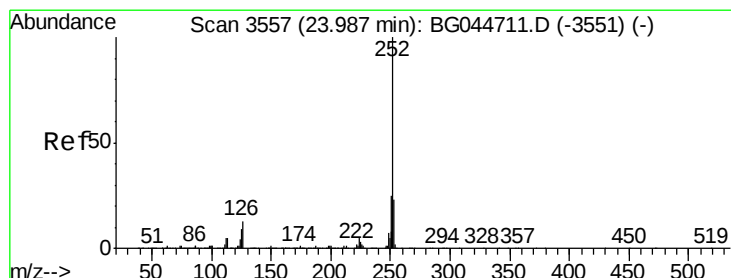
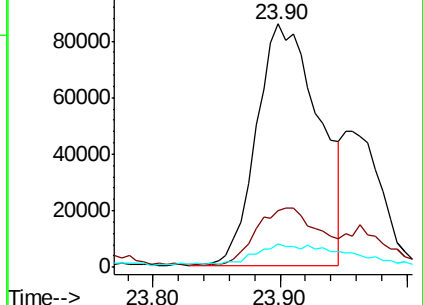
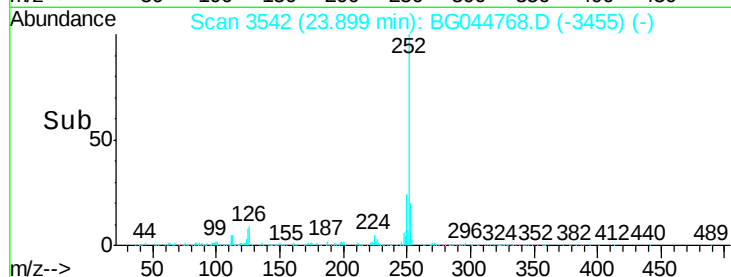
125 9.6 7.2 10.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 7.238 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.09 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

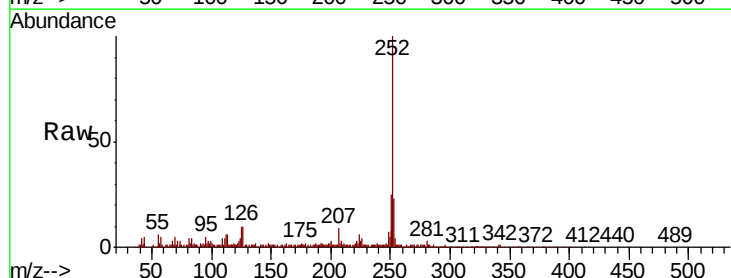
Tgt Ion:252 Resp: 291698

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

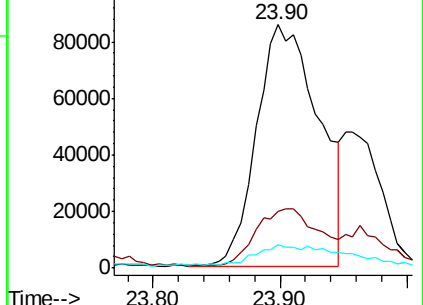
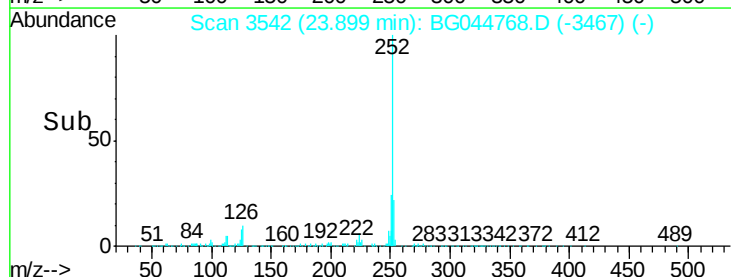
125 9.6 7.0 10.4

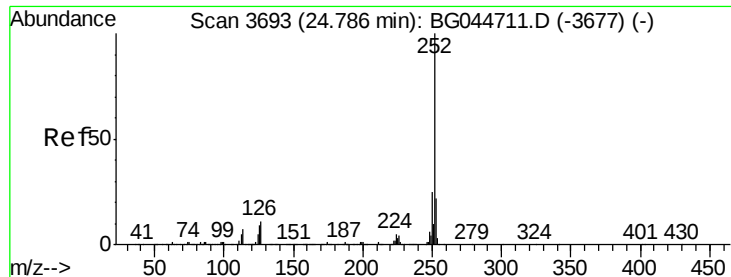


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.850 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

Instrument :

BNA_G

ClientSampleId :

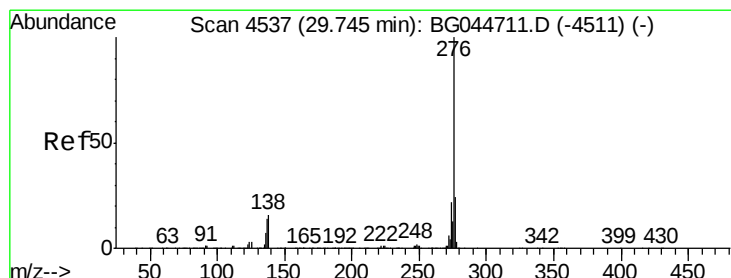
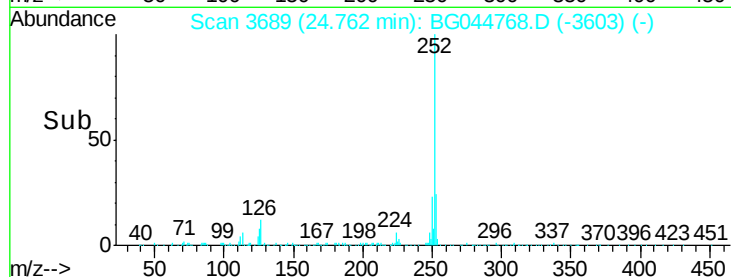
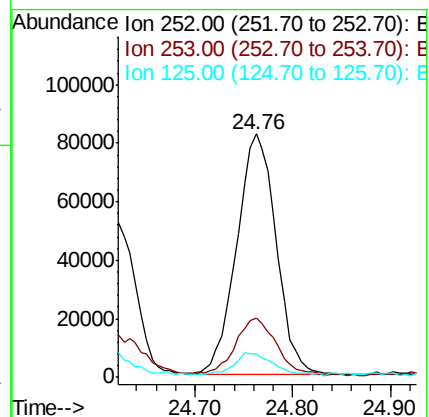
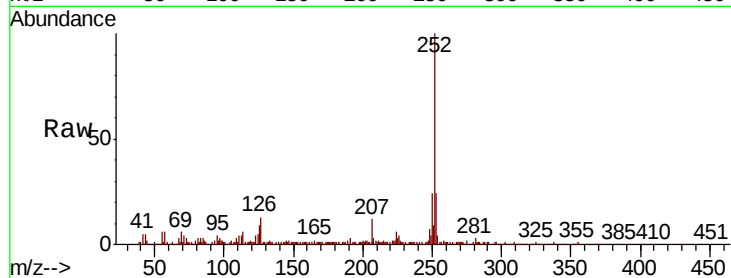
Tot Ion:252 Resp: 233137

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 9.4 7.0 10.6



#92

Benzo(g,h,i)perylene

Concen: 3.639 ng

RT: 29.70 min Scan# 4529

Delta R.T. -0.05 min

Lab File: BG044768.D

Acq: 13 Mar 2020 15:37

Tgt Ion:276 Resp: 144526

Ion Ratio Lower Upper

276 100

277 27.2 18.8 28.2

138 16.4 13.0 19.4

