

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044751.D
 Acq On : 13 Mar 2020 2:07
 Operator : CG/JU
 Sample : PB127459BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:10:47 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	8.06	152	96252	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	389100	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	272326	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	622246	20.00	ng	0.00
76) Chrysene-d12	21.70	240	587618	20.00	ng	-0.01
87) Perylene-d12	24.91	264	630891	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	782920	126.62	ng	0.00
7) Phenol-d6	7.21	99	1114126	124.02	ng	0.00
23) Nitrobenzene-d5	9.21	82	720689	81.28	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	449733	126.13	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1542651	81.12	ng	0.00
79) Terphenyl-d14	20.04	244	2481114	78.98	ng	0.00

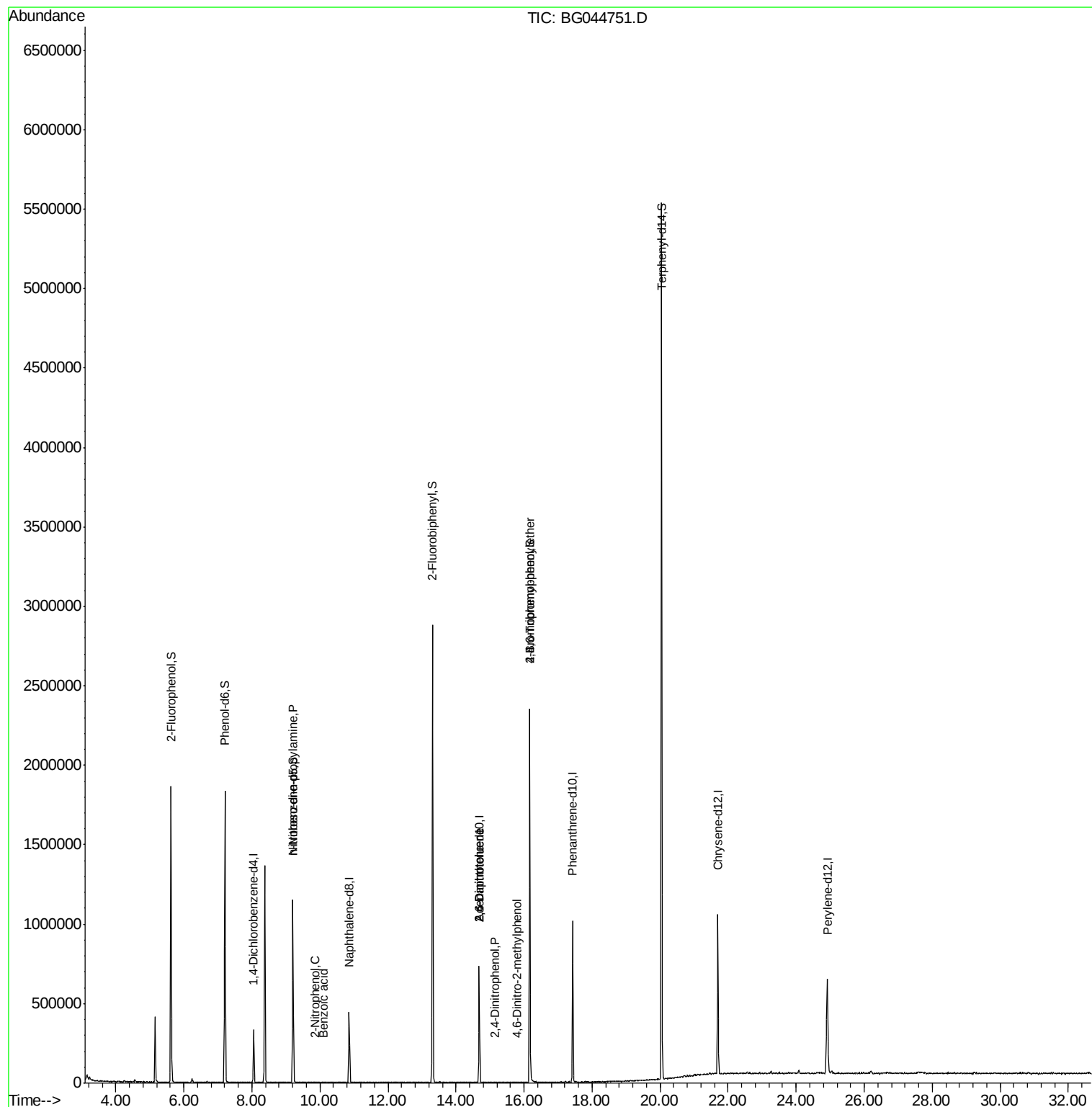
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2563	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	100844	15.897	ng	# 72
26) 2-Nitrophenol	9.85	139	60	5.532	ng	# 28
32) Benzoic acid	10.11	122	82	9.685	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	34365	7.860	ng	# 21
54) 2,4-Dinitrophenol	15.13	184	90	8.358	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	34365	5.731	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.80	198	71	7.749	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	30379	3.905	ng	# 1

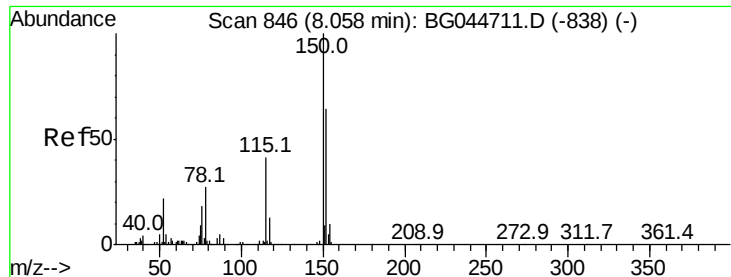
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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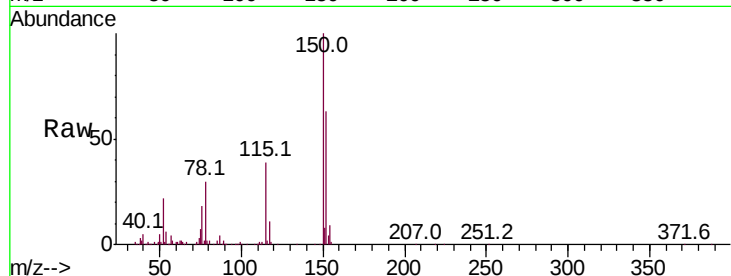


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BG044751.D
 Acq: 13 Mar 2020 2:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	125.3	187.9
115	62.6	51.7	77.5

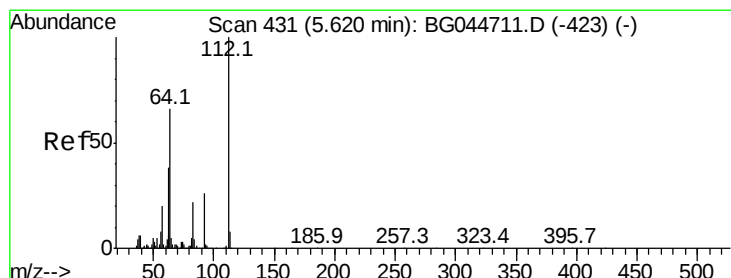
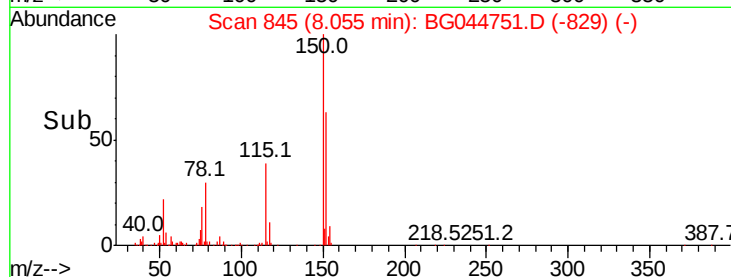
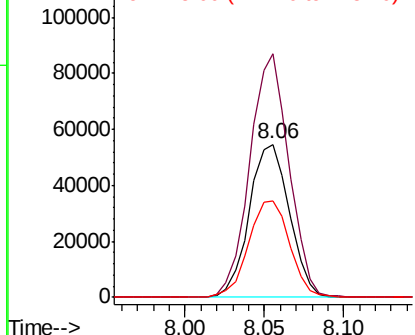


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

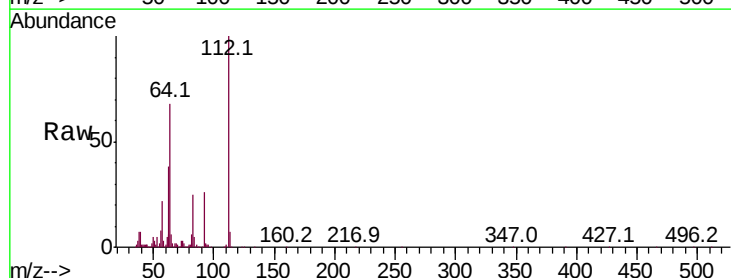
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 126.622 ng
 RT: 5.62 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BG044751.D
 Acq: 13 Mar 2020 2:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	52.6	78.8
63	38.3	30.2	45.4

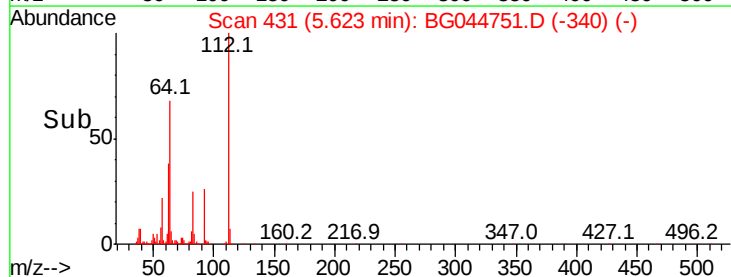
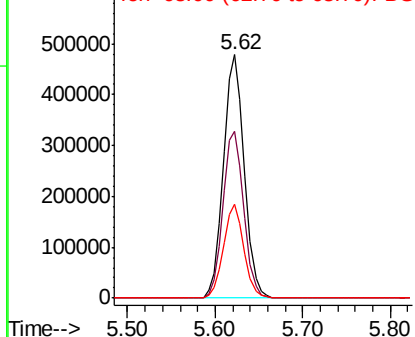


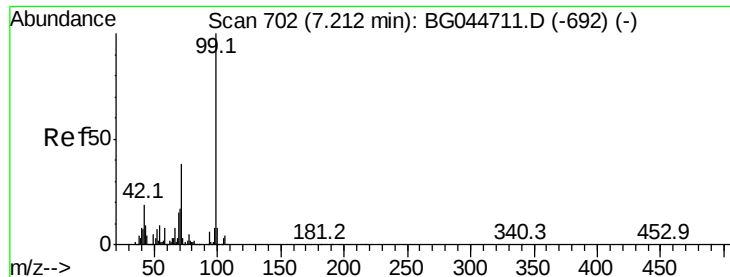
Abundance

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





#7

Phenol-d6

Concen: 124.017 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044751.D

Acq: 13 Mar 2020 2:07

Instrument :

BNA_G

ClientSampleId :

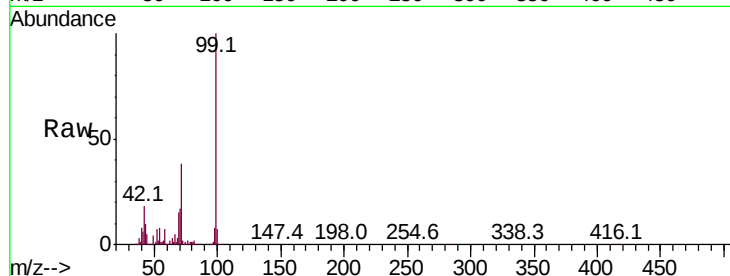
Tot Ion: 99 Resp: 1114126

Ion Ratio Lower Upper

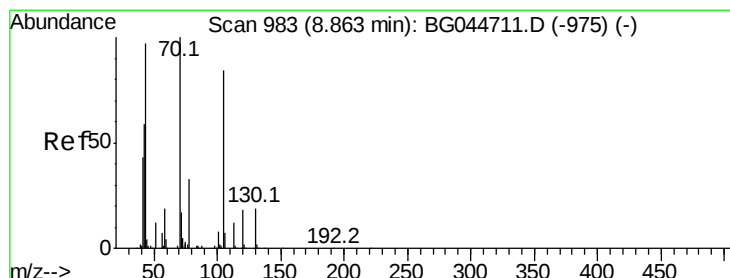
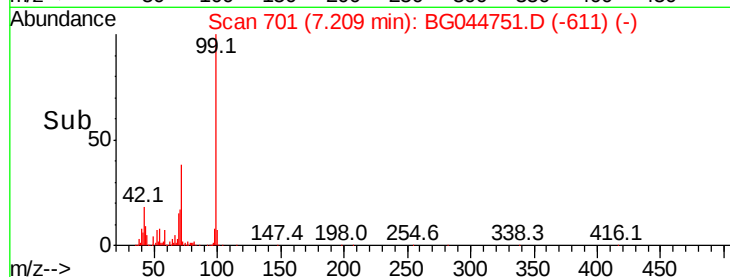
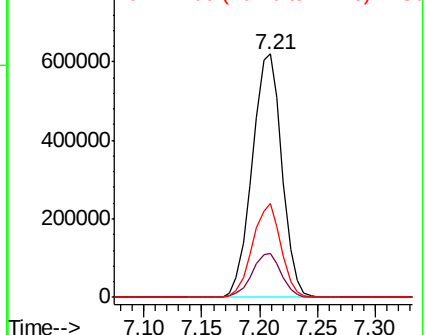
99 100

42 17.9 15.4 23.0

71 38.3 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: 15.897 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044751.D

Acq: 13 Mar 2020 2:07

Tgt Ion: 70 Resp: 100844

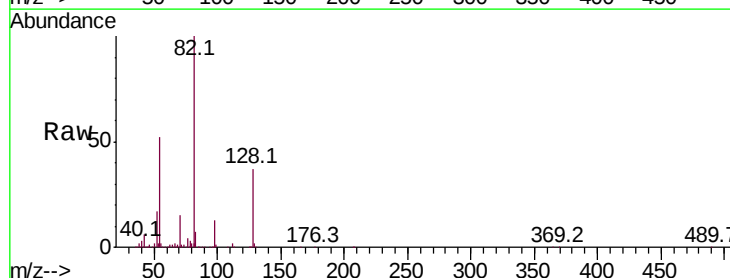
Ion Ratio Lower Upper

70 100

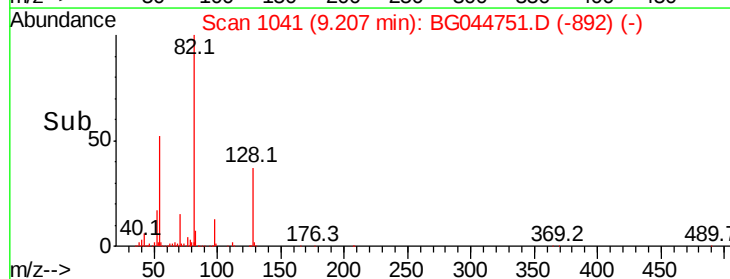
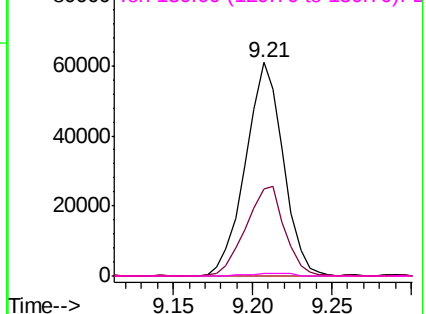
42 40.9 47.6 71.4#

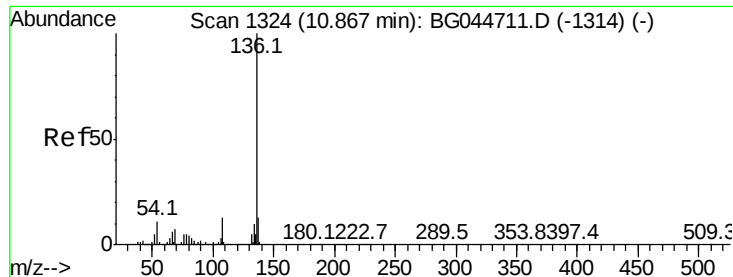
101 0.0 6.5 9.7#

130 1.4 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

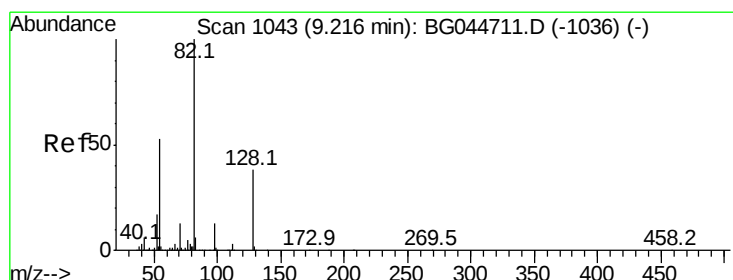
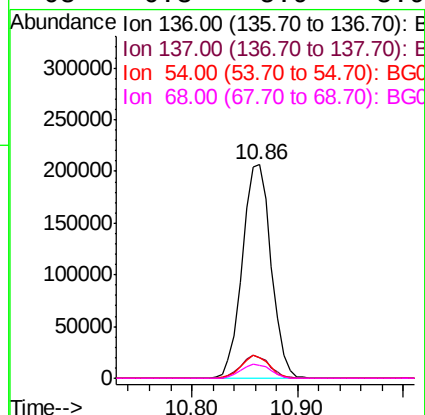
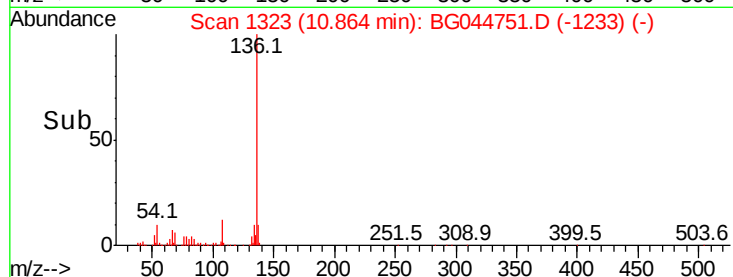
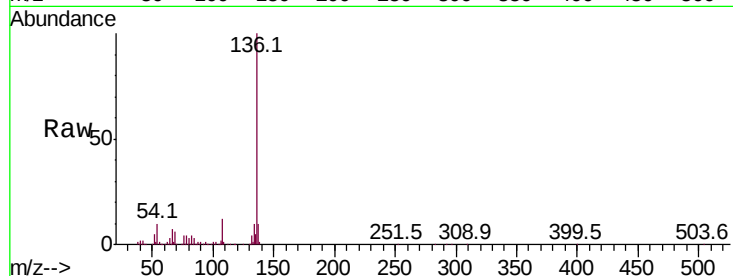




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044751.D
Acq: 13 Mar 2020 2:07

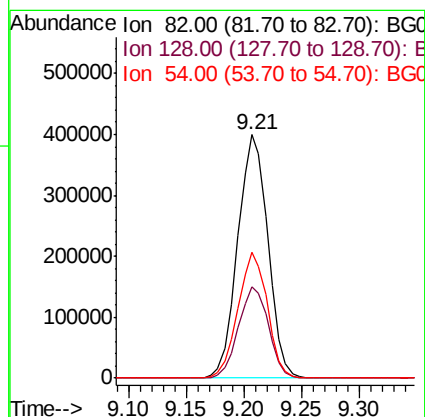
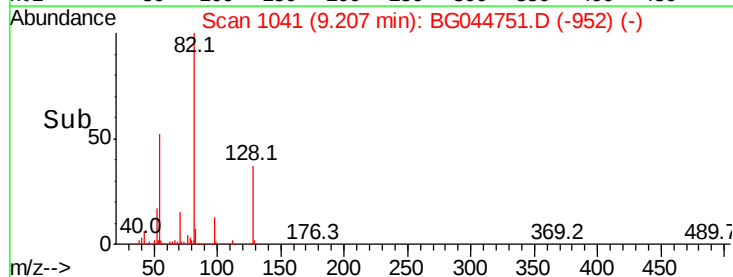
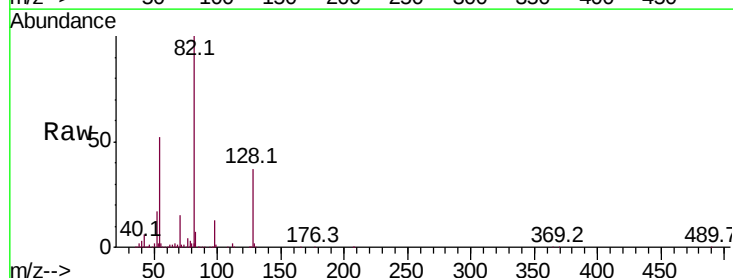
Instrument :
BNA_G
ClientSampleId :

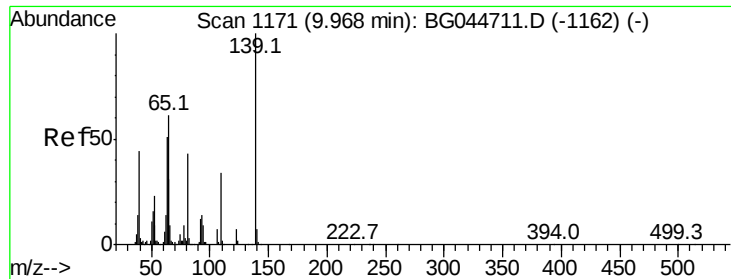
Tot Ion:	136	Resp:	389100
Ion	Ratio	Lower	Upper
136	100		
137	9.7	10.7	16.1#
54	9.8	9.0	13.4
68	6.3	5.9	8.9



#23
Nitrobenzene-d5
Concen: 81.277 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044751.D
Acq: 13 Mar 2020 2:07

Tgt Ion:	82	Resp:	720689
Ion	Ratio	Lower	Upper
82	100		
128	37.5	30.2	45.2
54	51.7	41.8	62.8

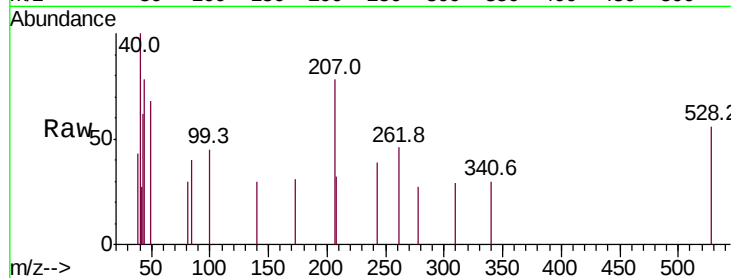




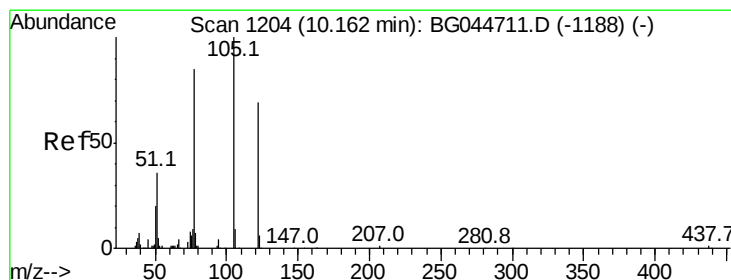
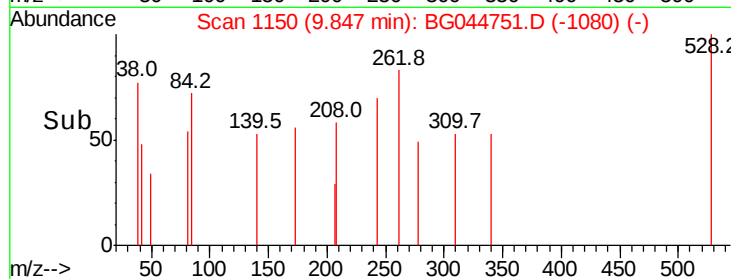
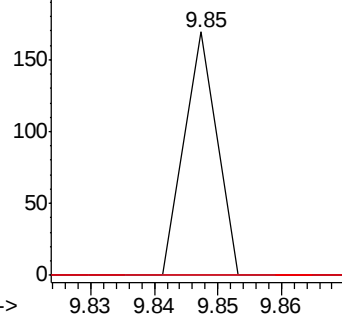
#26
2-Nitrophenol
Concen: 5.532 ng
RT: 9.85 min Scan# 1150
Delta R.T. -0.12 min
Lab File: BG044751.D
Acq: 13 Mar 2020 2:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 0.0 27.0 40.4#
65 0.0 48.6 73.0#

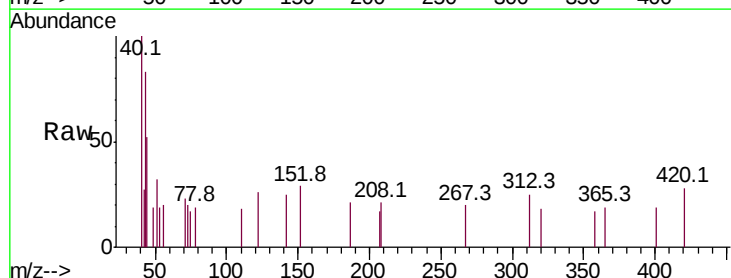


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

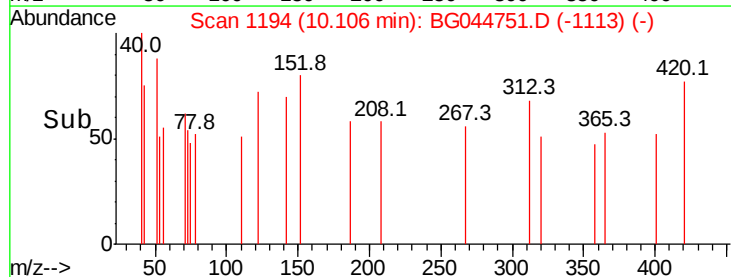
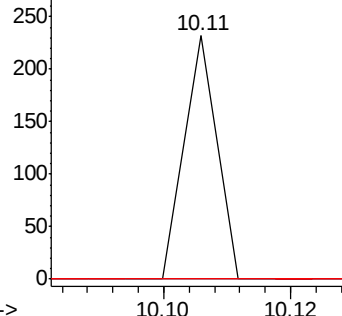


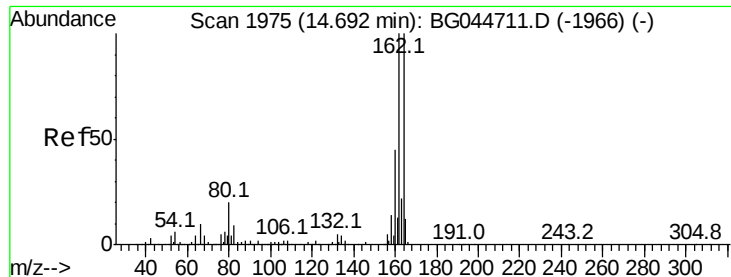
#32
Benzoic acid
Concen: 9.685 ng
RT: 10.11 min Scan# 1194
Delta R.T. -0.06 min
Lab File: BG044751.D
Acq: 13 Mar 2020 2:07

Tgt Ion:122 Resp: 82
Ion Ratio Lower Upper
122 100
105 0.0 119.0 159.0#
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: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044751.D

Acq: 13 Mar 2020 2:07

Instrument :

BNA_G

ClientSampleId :

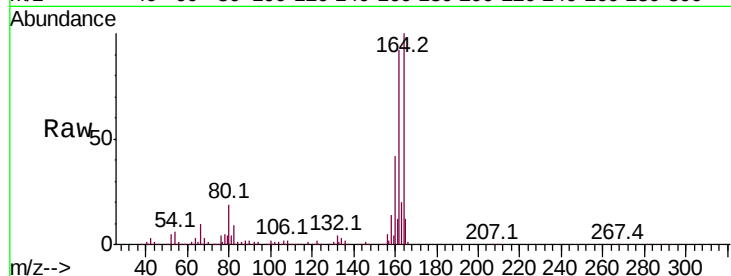
Tot Ion:164 Resp: 272326

Ion Ratio Lower Upper

164 100

162 91.9 80.2 120.4

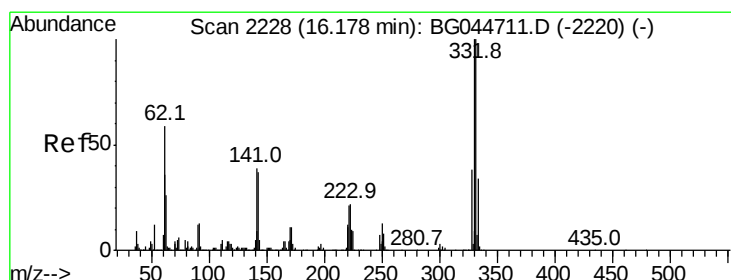
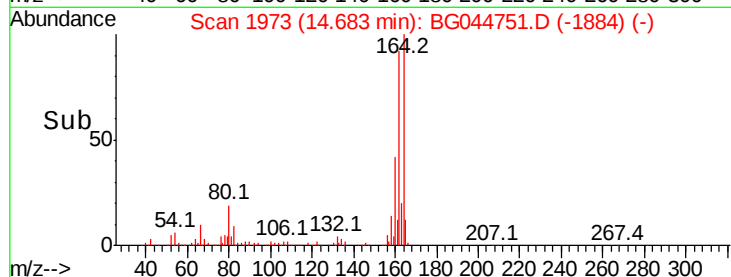
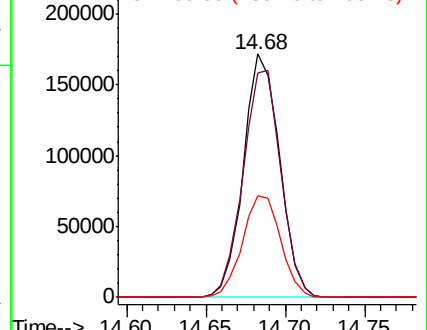
160 41.6 36.2 54.2



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: 126.128 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044751.D

Acq: 13 Mar 2020 2:07

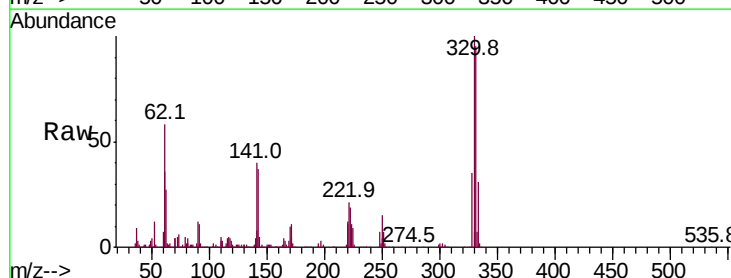
Tgt Ion:330 Resp: 449733

Ion Ratio Lower Upper

330 100

332 94.3 77.5 116.3

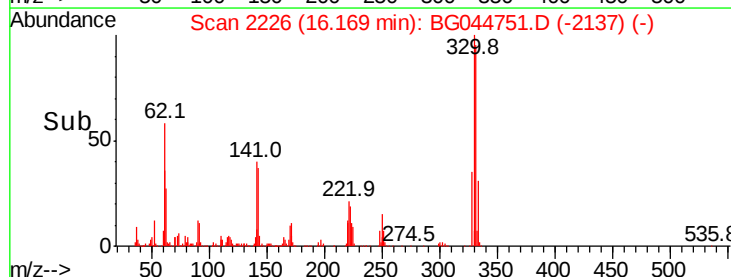
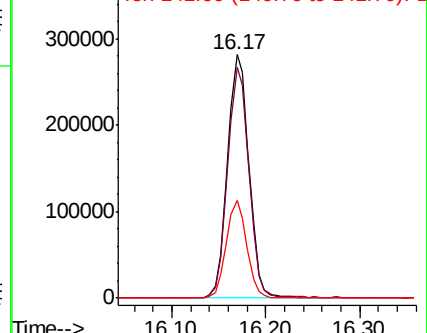
141 38.7 31.7 47.5

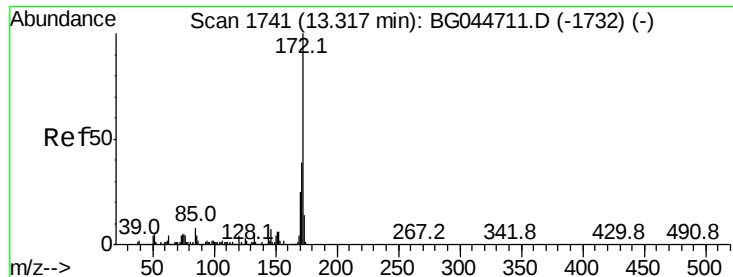


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



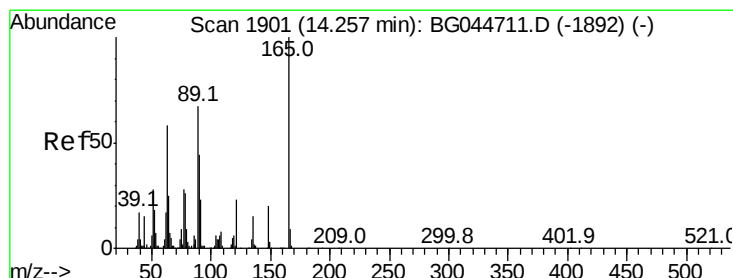
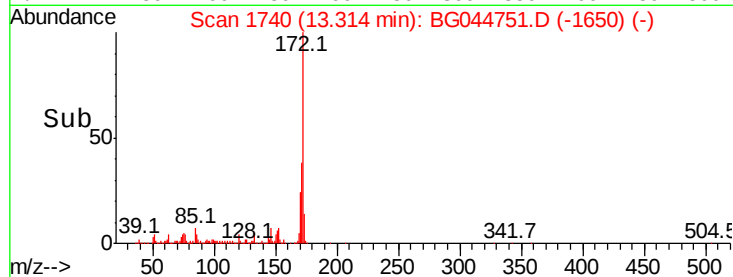
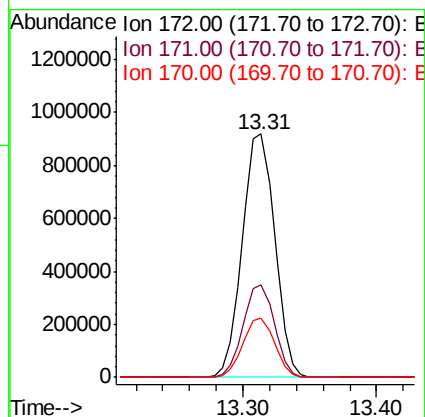
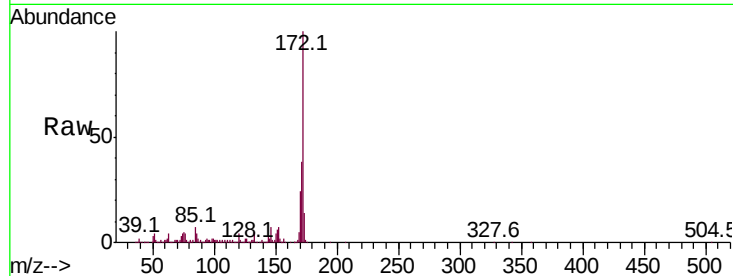


#45
 2-Fluorobiphenyl
 Concen: 81.121 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG044751.D
 Acq: 13 Mar 2020 2:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1542651

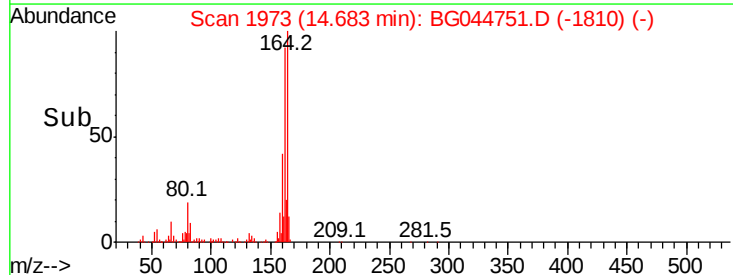
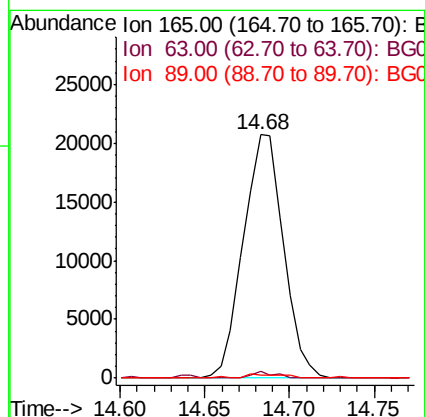
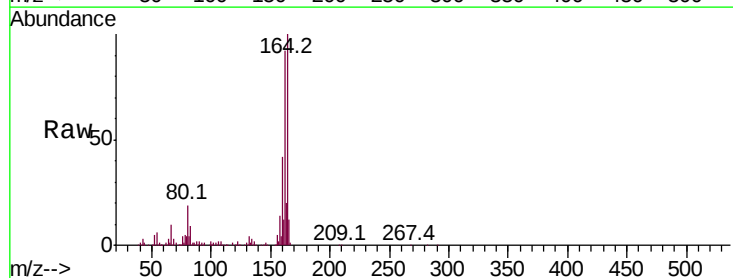
Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.8	46.2
170	24.3	20.0	30.0

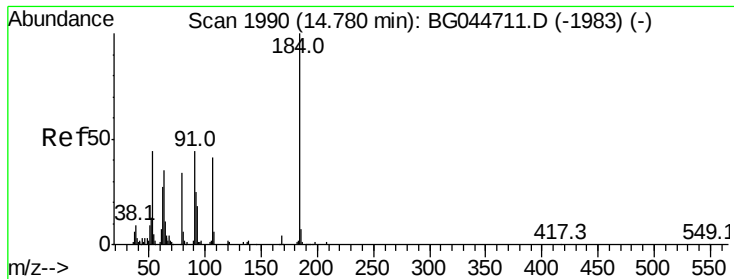


#51
 2,6-Dinitrotoluene
 Concen: 7.860 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.43 min
 Lab File: BG044751.D
 Acq: 13 Mar 2020 2:07

Tgt Ion:165 Resp: 34365

Ion	Ratio	Lower	Upper
165	100		
63	2.6	48.9	73.3#
89	1.4	53.8	80.8#

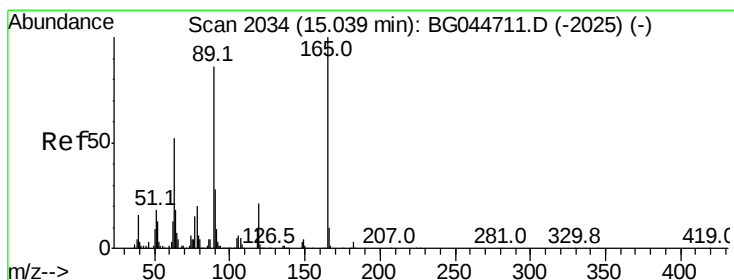
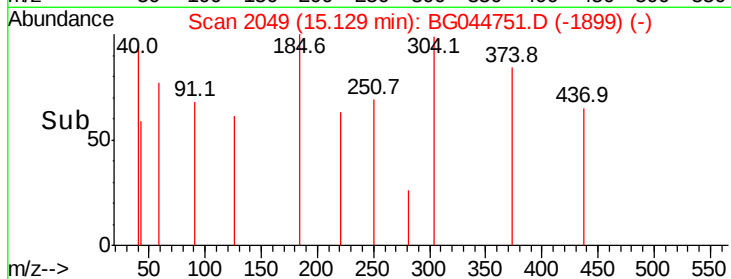
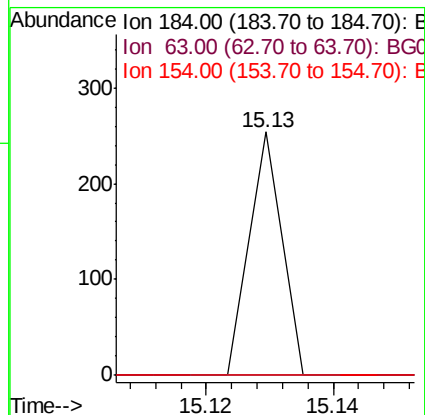
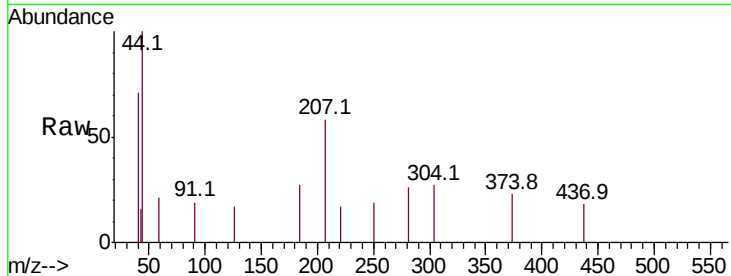




#54
 2,4-Dinitrophenol
 Concen: 8.358 ng
 RT: 15.13 min Scan# 2049
 Delta R.T. 0.35 min
 Lab File: BG044751.D
 Acq: 13 Mar 2020 2:07

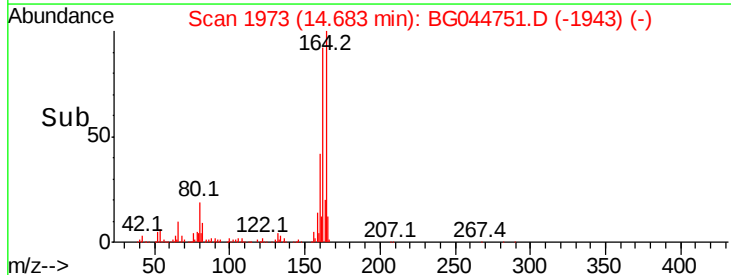
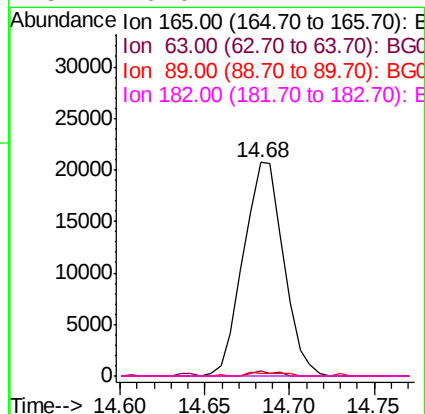
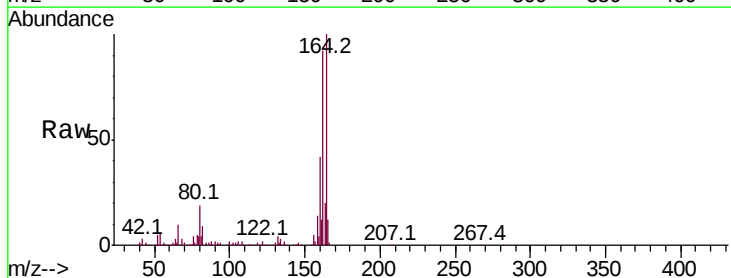
Instrument :
 BNA_G
 ClientSampleId :

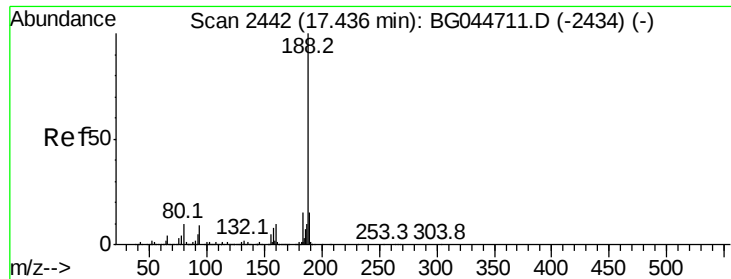
Tot Ion:184 Resp: 90
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 0.0 94.5 141.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.731 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.36 min
 Lab File: BG044751.D
 Acq: 13 Mar 2020 2:07

Tgt Ion:165 Resp: 34365
 Ion Ratio Lower Upper
 165 100
 63 2.6 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. -0.00 min

Lab File: BG044751.D

Acq: 13 Mar 2020 2:07

Instrument :

BNA_G

ClientSampled :

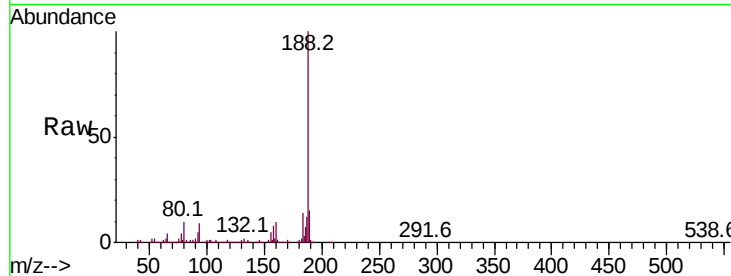
Tot Ion:188 Resp: 622246

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

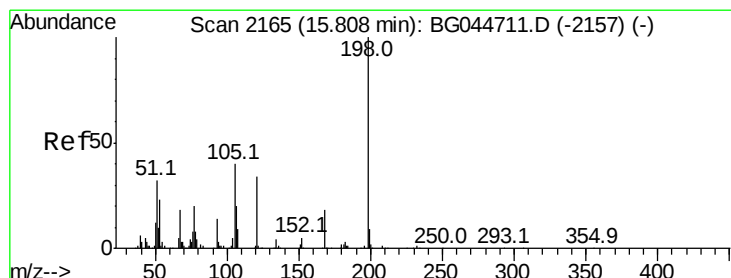
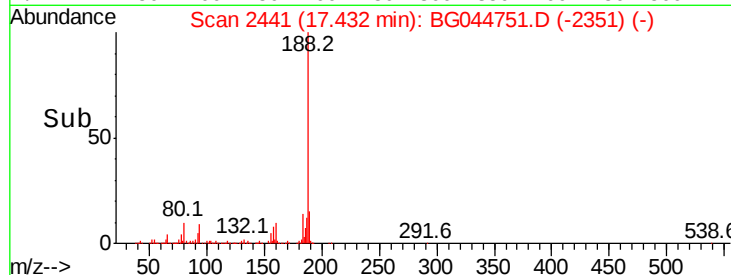
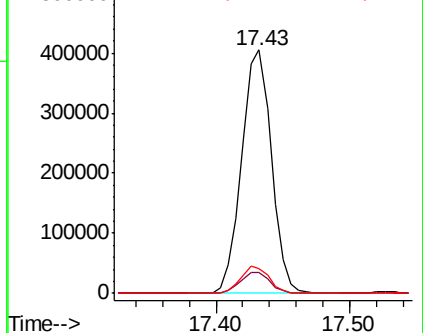
80 9.9 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.749 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BG044751.D

Acq: 13 Mar 2020 2:07

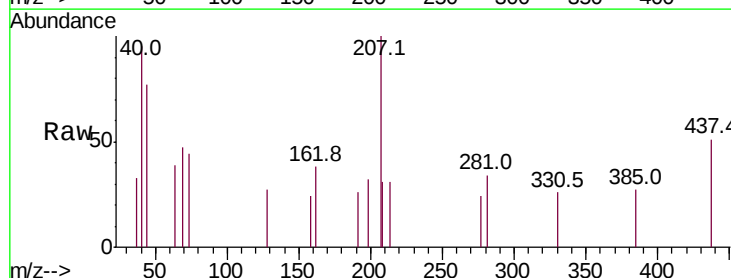
Tgt Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

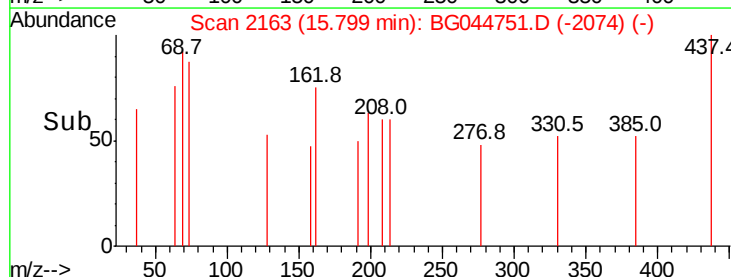
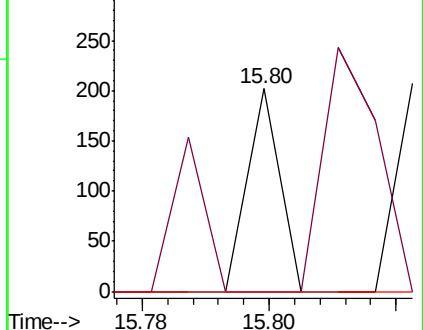
105 0.0 21.3 61.3#

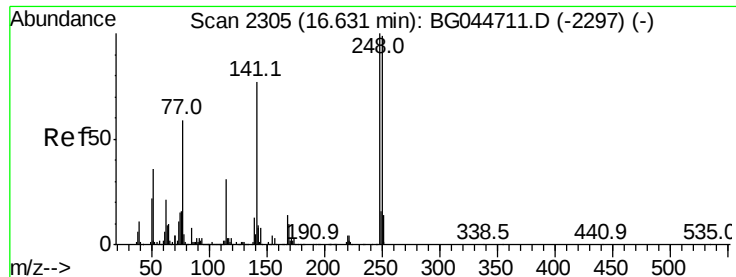


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

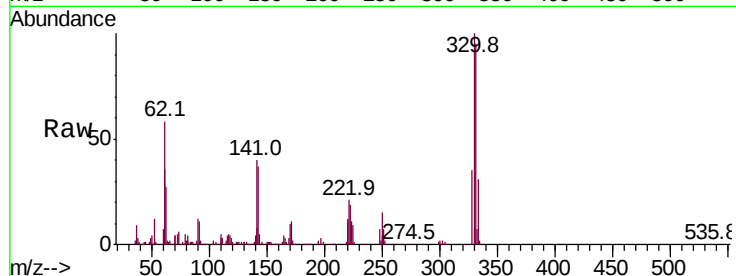




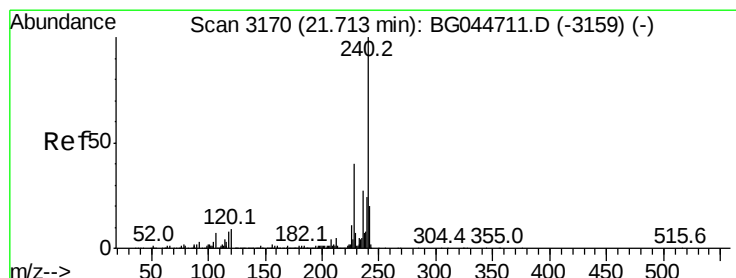
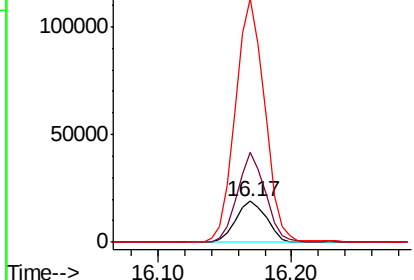
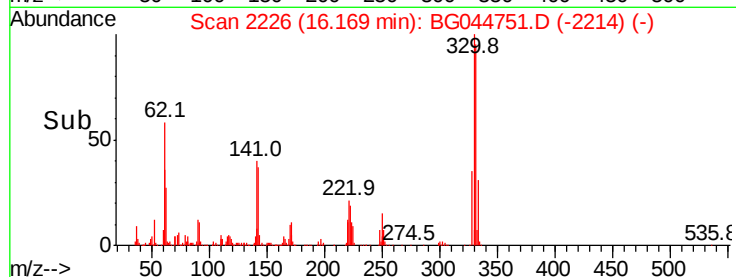
#67
4-Bromophenyl-phenylether
Concen: 3.905 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.46 min
Lab File: BG044751.D
Acq: 13 Mar 2020 2:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 30379
Ion Ratio Lower Upper
248 100
250 219.9 79.4 119.0#
141 593.3 61.7 92.5#

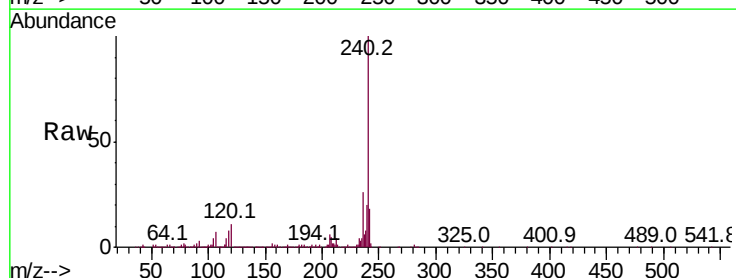


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

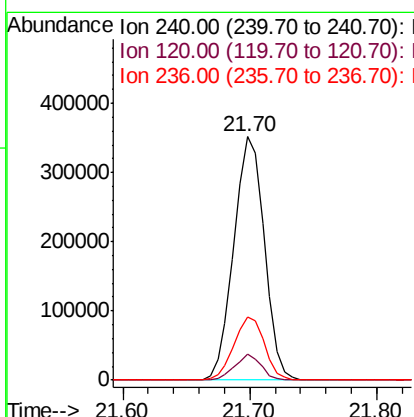
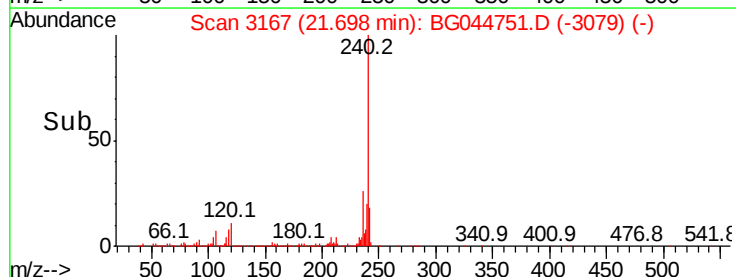


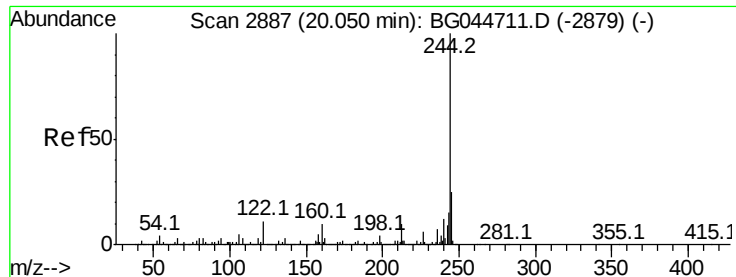
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG044751.D
Acq: 13 Mar 2020 2:07

Tgt Ion:240 Resp: 587618
Ion Ratio Lower Upper
240 100
120 10.7 6.9 10.3#
236 25.7 21.9 32.9



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





#79

Terphenyl-d14

Concen: 78.981 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044751.D

Acq: 13 Mar 2020 2:07

Instrument :

BNA_G

ClientSampled :

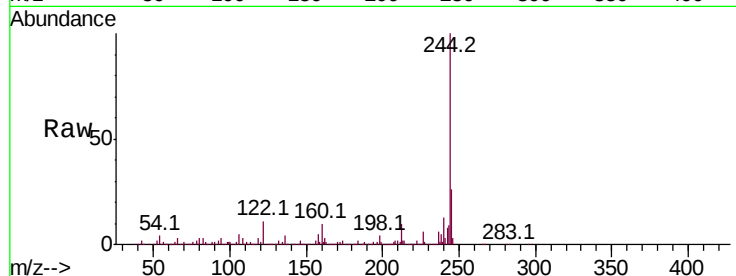
Tot Ion:244 Resp: 2481114

Ion Ratio Lower Upper

244 100

212 10.2 8.4 12.6

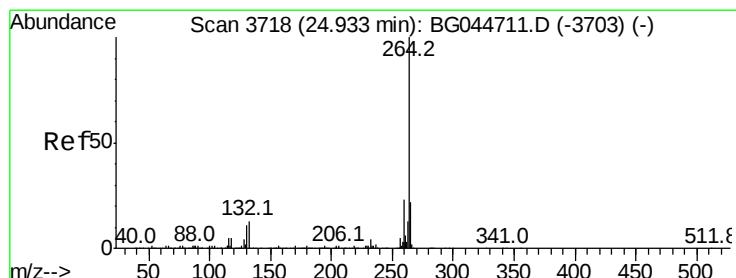
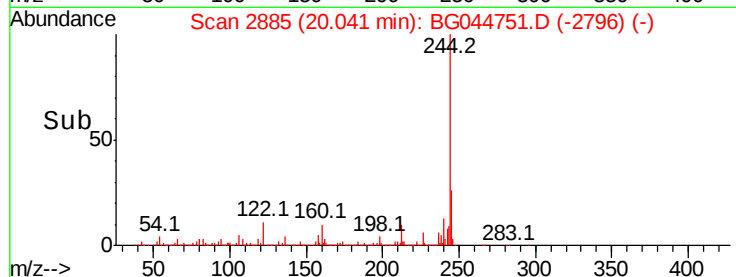
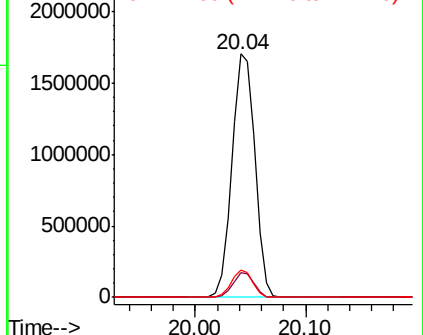
122 11.0 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3714

Delta R.T. -0.02 min

Lab File: BG044751.D

Acq: 13 Mar 2020 2:07

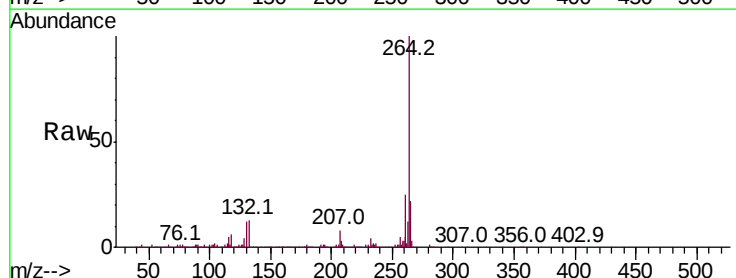
Tgt Ion:264 Resp: 630891

Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

265 21.7 17.4 26.2



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

