

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044739.D
 Acq On : 12 Mar 2020 17:30
 Operator : CG/JU
 Sample : L1893-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:08:35 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	98936	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	401011	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	279350	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	602700	20.00	ng	0.00
76) Chrysene-d12	21.70	240	572789	20.00	ng	-0.01
87) Perylene-d12	24.91	264	647090	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	689209	108.44	ng	0.00
7) Phenol-d6	7.20	99	1012844	109.68	ng	0.00
23) Nitrobenzene-d5	9.21	82	659699	72.19	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	378067	103.36	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1362380	69.84	ng	0.00
79) Terphenyl-d14	20.04	244	2038977	66.59	ng	0.00

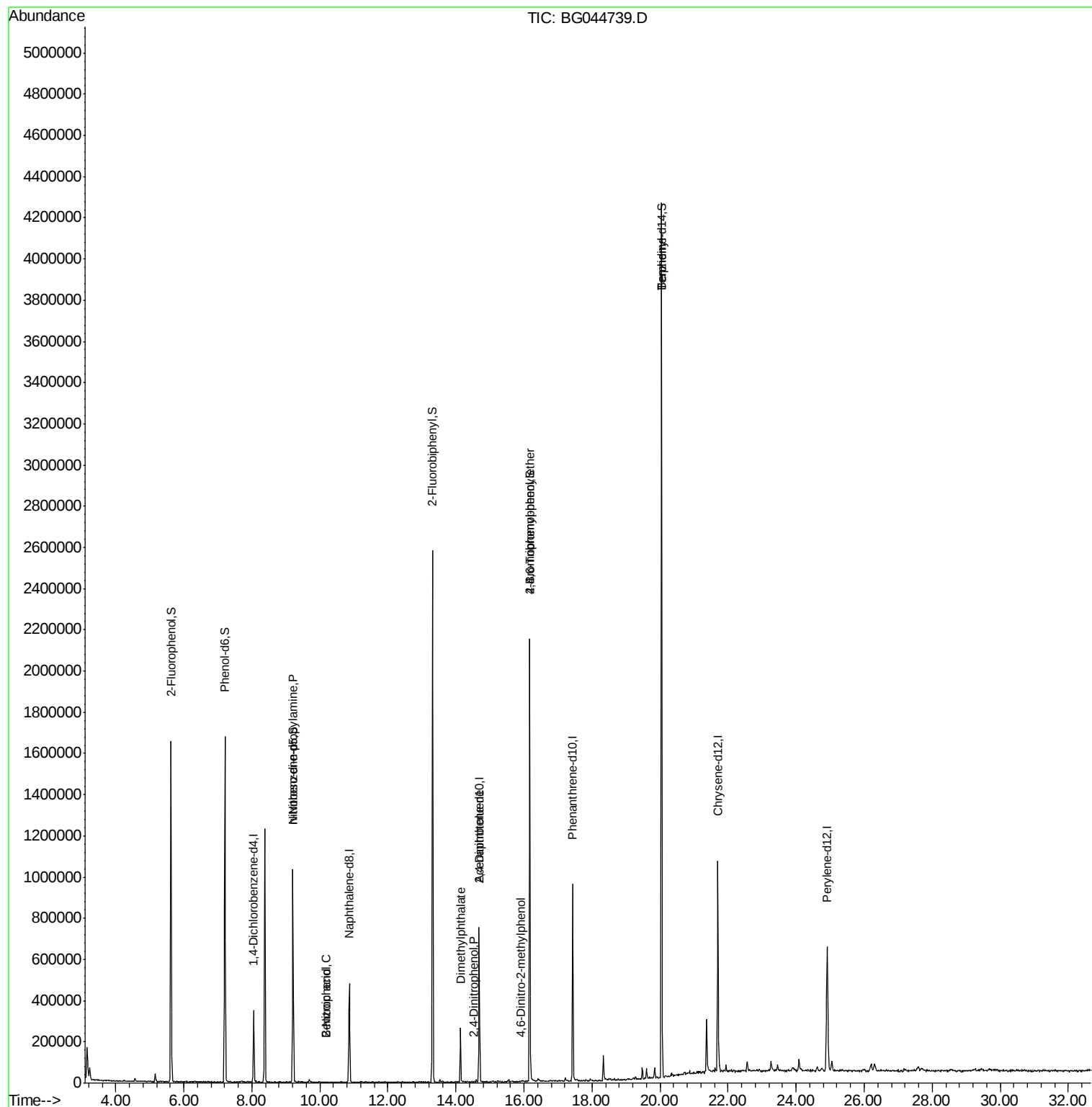
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2042	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	89448	13.718	ng	# 78
26) 2-Nitrophenol	10.18	139	59	5.531	ng	# 28
32) Benzoic acid	10.19	122	144	9.695	ng	# 1
50) Dimethylphthalate	14.14	163	171552	7.711	ng	# 98
54) 2,4-Dinitrophenol	14.51	184	110	8.365	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	36585	5.948	ng	# 16
65) 4,6-Dinitro-2-methylphenol	15.89	198	58	7.745	ng	# 9
67) 4-Bromophenyl-phenylether	16.17	248	26707	3.545	ng	# 1
77) Benzidine	20.04	184	42837	2.304	ng	# 85

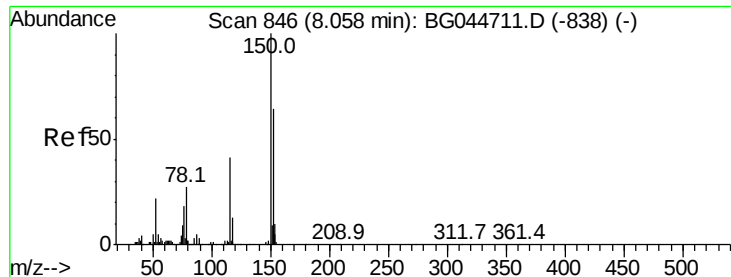
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
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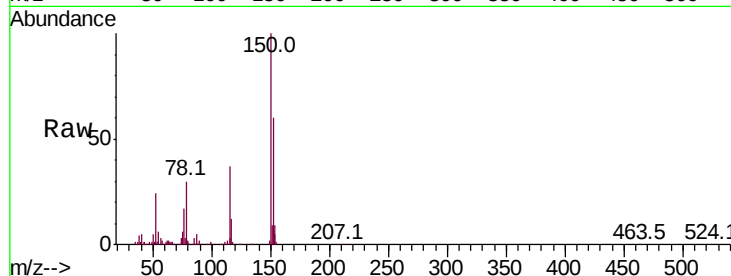


#1

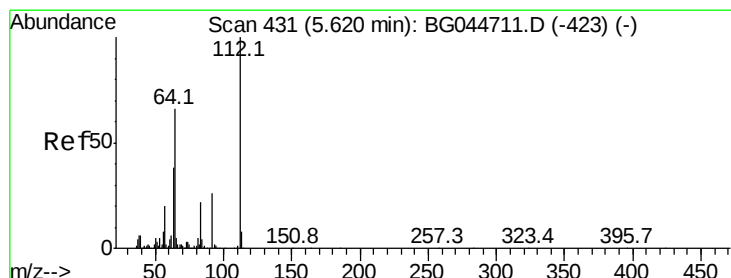
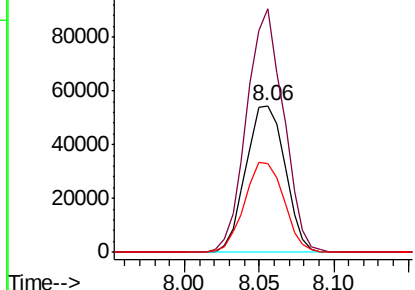
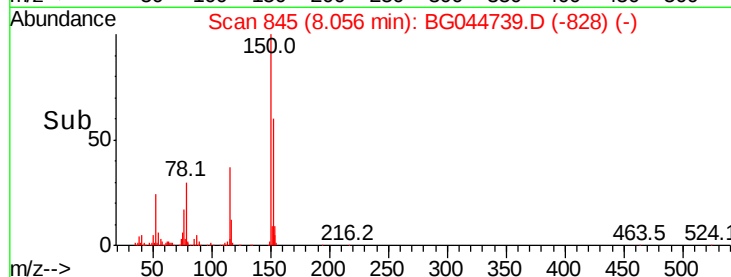
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 98936
Ion Ratio Lower Upper
152 100
150 166.4 125.3 187.9
115 61.0 51.7 77.5



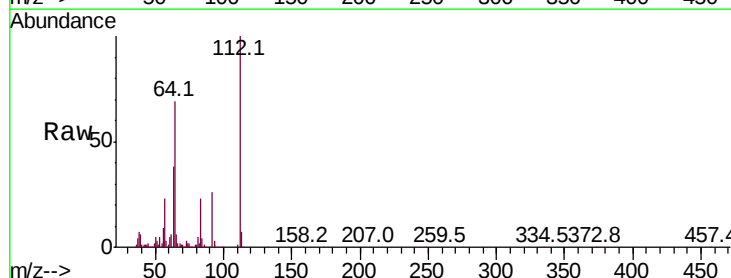
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



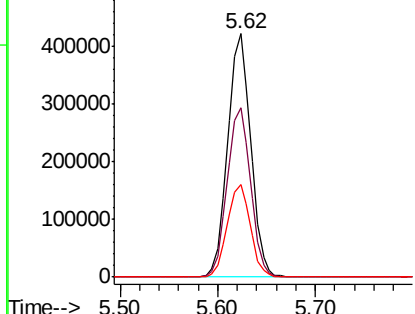
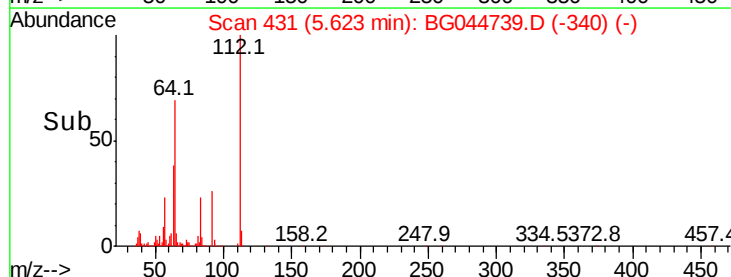
#5

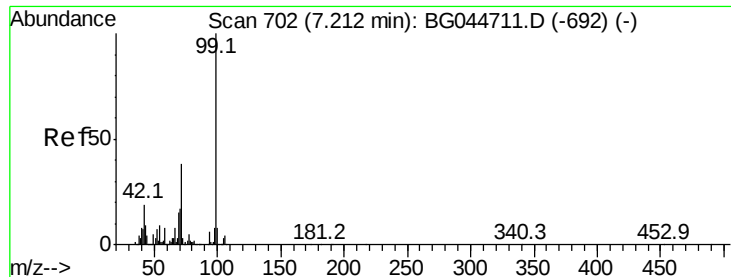
2-Fluorophenol
Concen: 108.442 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

Tgt Ion:112 Resp: 689209
Ion Ratio Lower Upper
112 100
64 69.4 52.6 78.8
63 38.1 30.2 45.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 109.685 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044739.D

Acq: 12 Mar 2020 17:30

Instrument :

BNA_G

ClientSampleId :

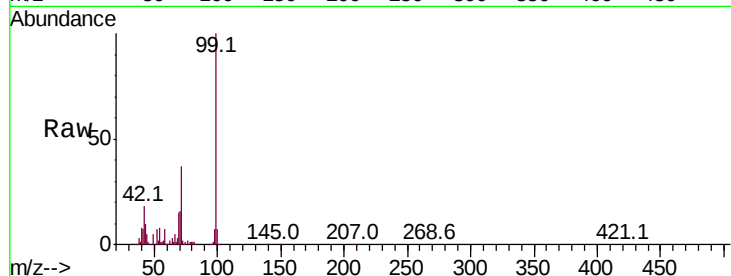
Tot Ion: 99 Resp: 1012844

Ion Ratio Lower Upper

99 100

42 18.5 15.4 23.0

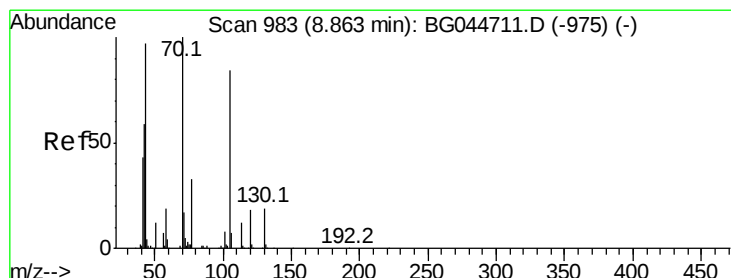
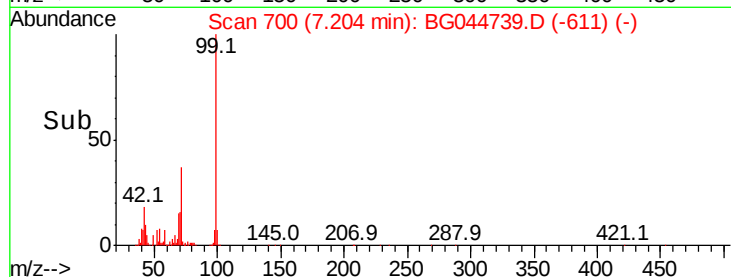
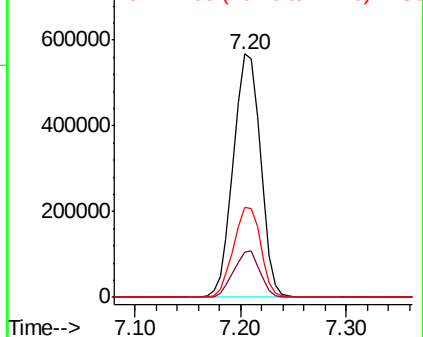
71 37.2 30.2 45.4



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: 13.718 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044739.D

Acq: 12 Mar 2020 17:30

Tgt Ion: 70 Resp: 89448

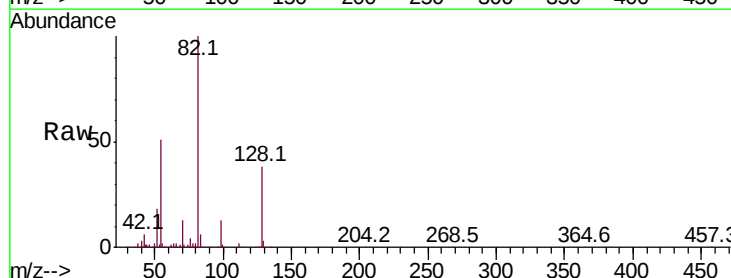
Ion Ratio Lower Upper

70 100

42 46.3 47.6 71.4#

101 0.0 6.5 9.7#

130 2.3 15.0 22.4#

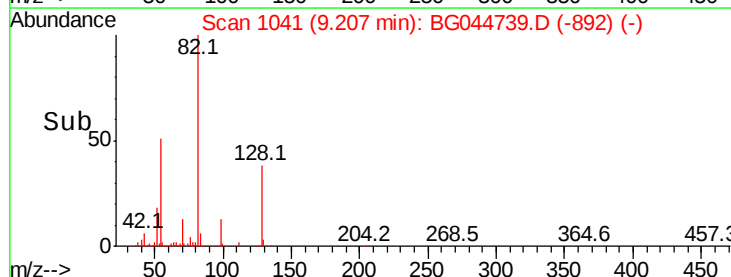
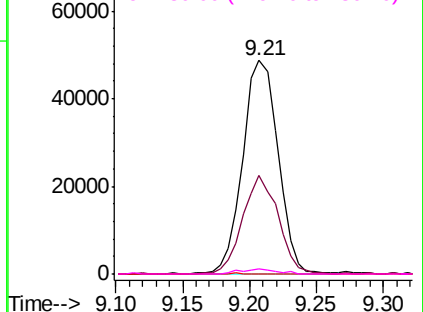


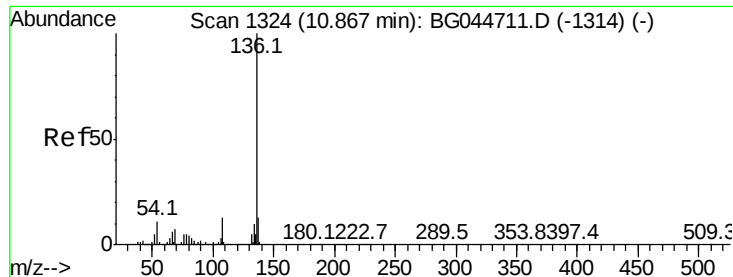
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG044739.D

Acq: 12 Mar 2020 17:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 401011

Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.7	16.1
54	9.4	9.0	13.4
68	6.4	5.9	8.9

136 100

137 11.7 10.7 16.1

54 9.4 9.0 13.4

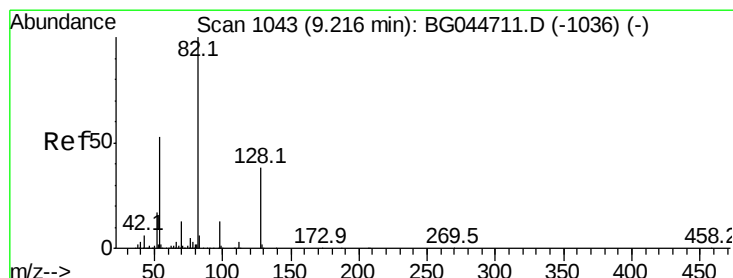
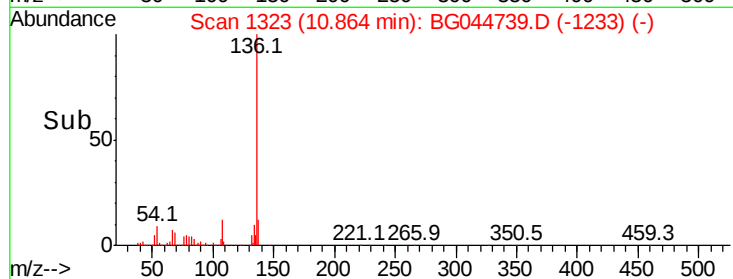
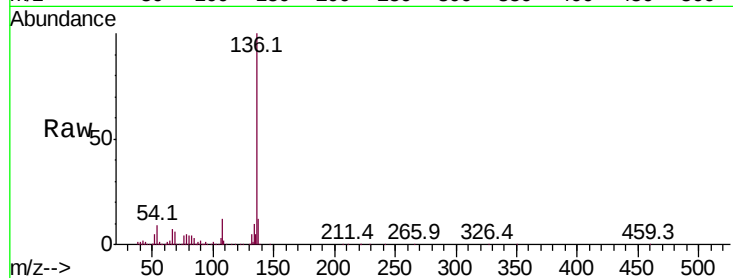
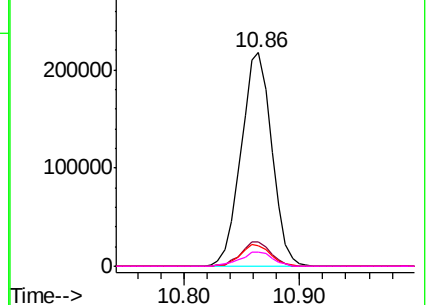
68 6.4 5.9 8.9

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: 72.189 ng

RT: 9.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG044739.D

Acq: 12 Mar 2020 17:30

Tgt Ion: 82 Resp: 659699

Ion	Ratio	Lower	Upper
82	100		
128	37.9	30.2	45.2
54	51.1	41.8	62.8

82 100

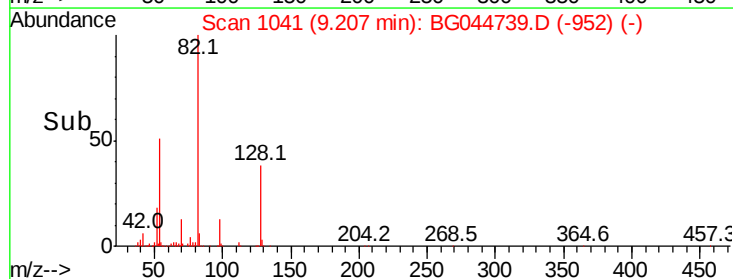
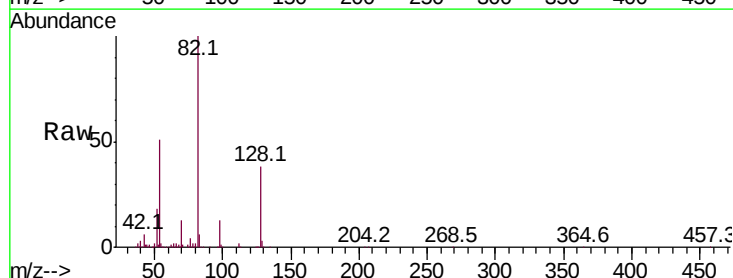
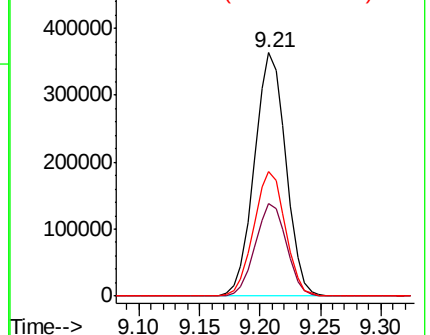
128 37.9 30.2 45.2

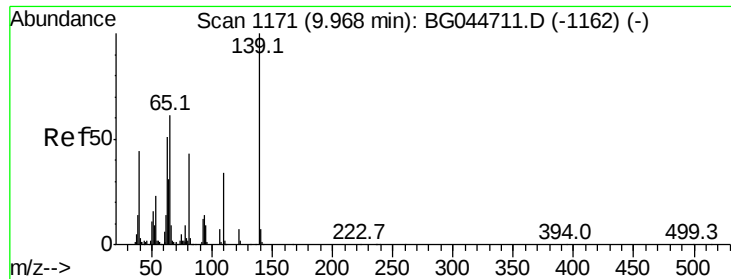
54 51.1 41.8 62.8

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

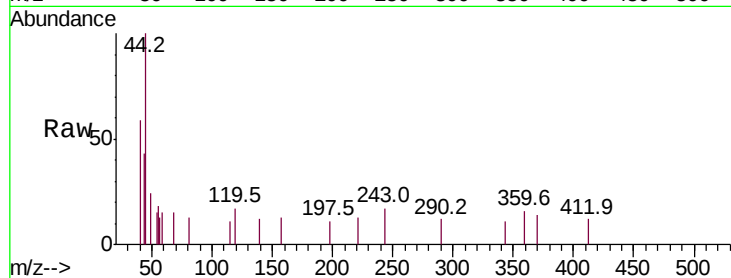




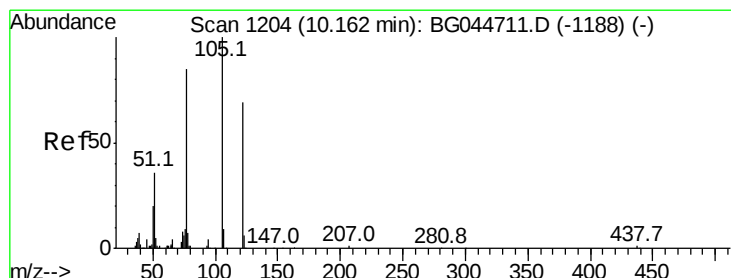
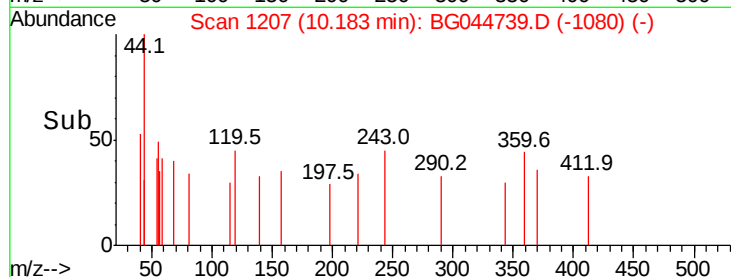
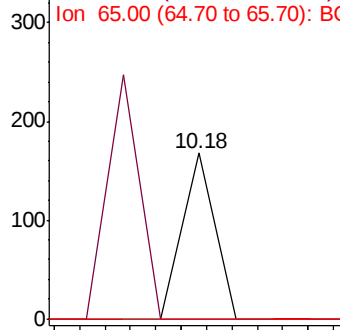
#26
2-Nitrophenol
Concen: 5.531 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.22 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 0.0 27.0 40.4#
65 0.0 48.6 73.0#

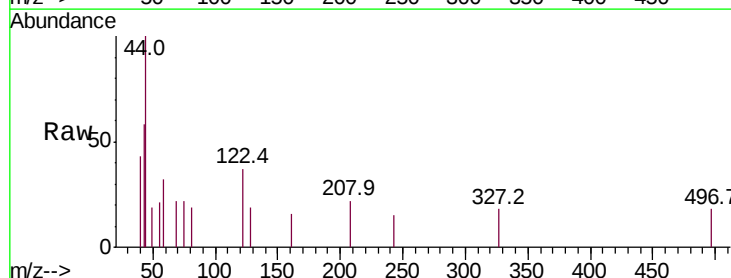


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

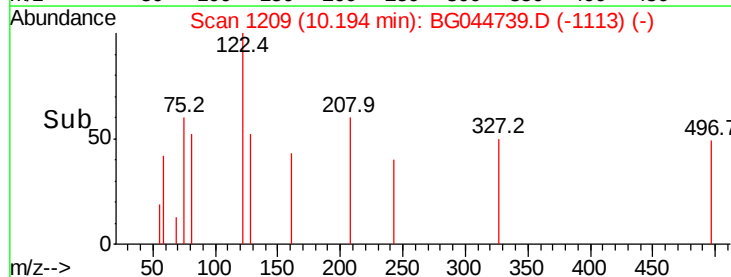
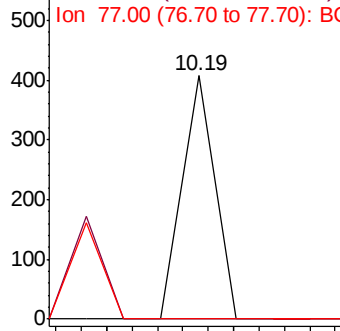


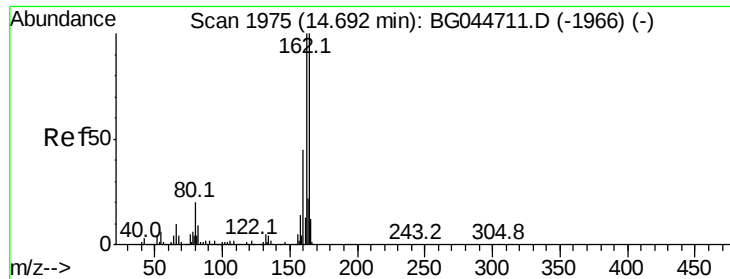
#32
Benzoic acid
Concen: 9.695 ng
RT: 10.19 min Scan# 1209
Delta R.T. 0.03 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

Tgt Ion:122 Resp: 144
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: BG044739.D

Acq: 12 Mar 2020 17:30

Instrument :

BNA_G

ClientSampleId :

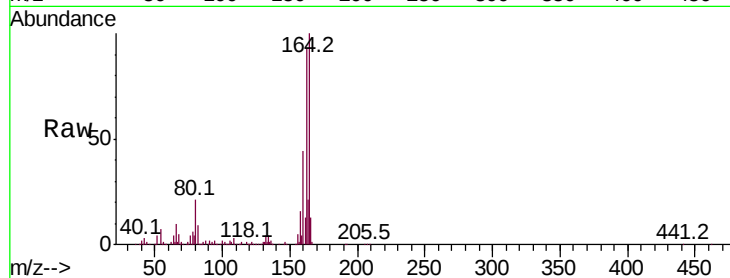
Tot Ion:164 Resp: 279350

Ion Ratio Lower Upper

164 100

162 93.2 80.2 120.4

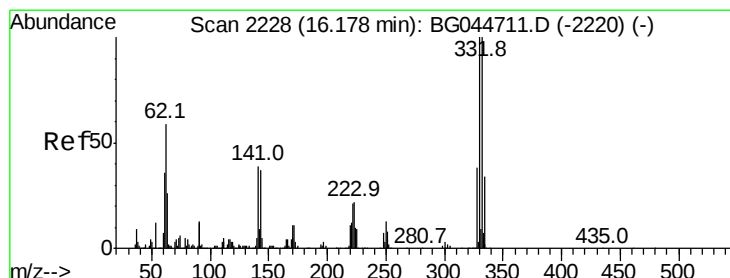
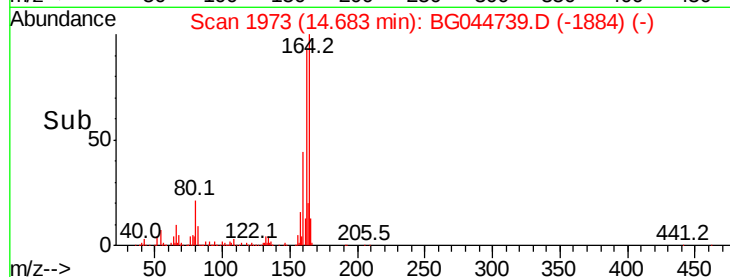
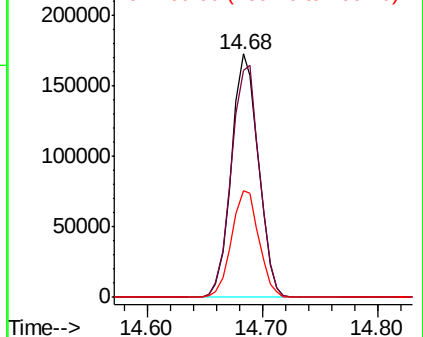
160 43.8 36.2 54.2



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: 103.363 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044739.D

Acq: 12 Mar 2020 17:30

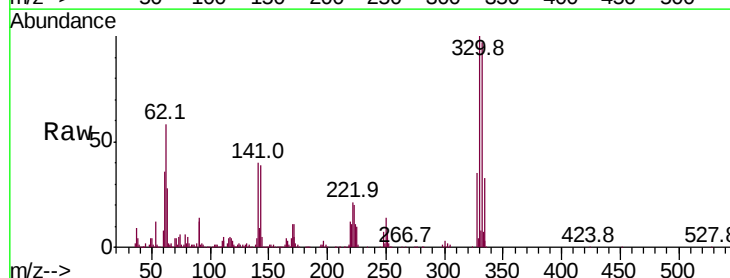
Tgt Ion:330 Resp: 378067

Ion Ratio Lower Upper

330 100

332 96.6 77.5 116.3

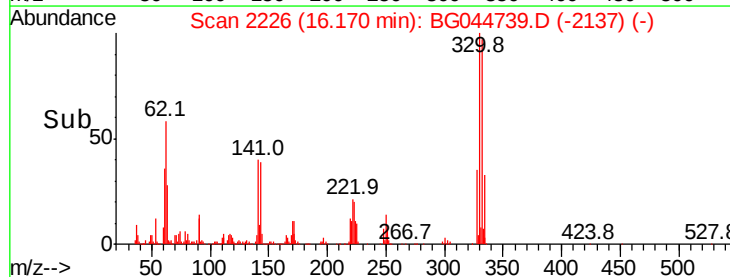
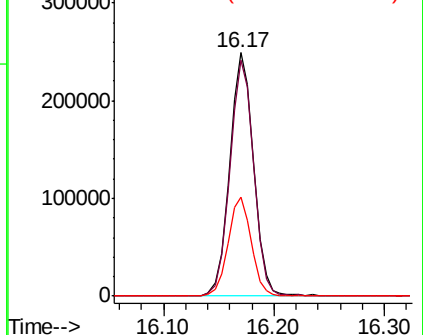
141 39.9 31.7 47.5

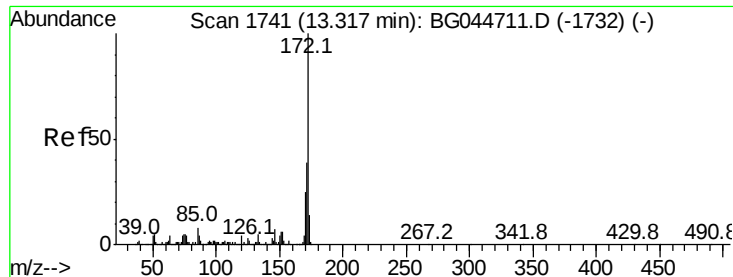


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

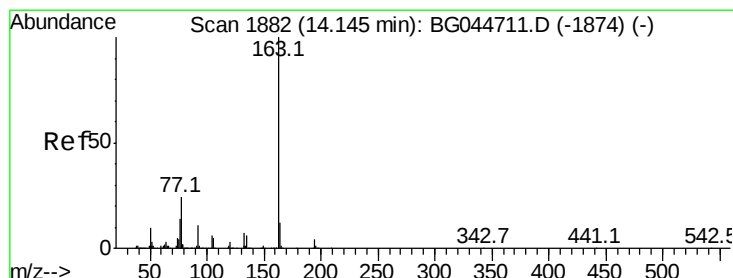
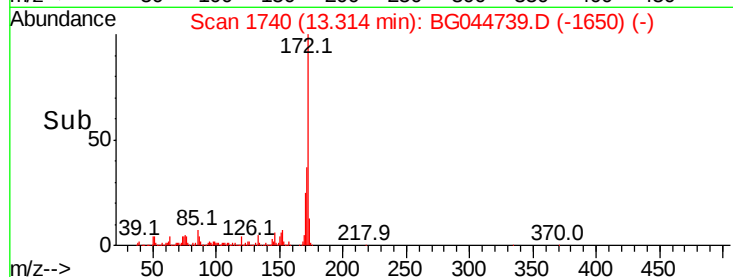
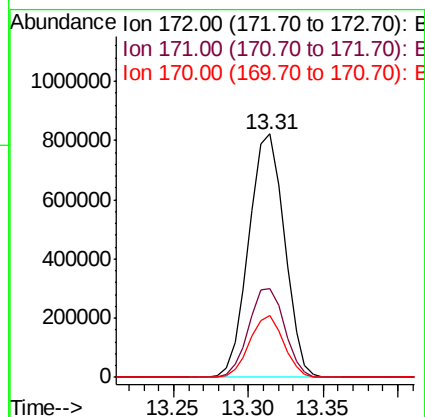
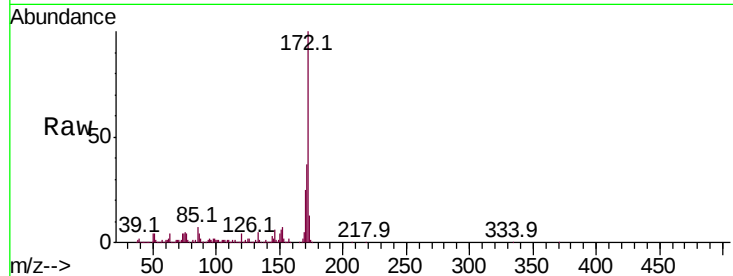




#45
2-Fluorobiphenyl
Concen: 69.840 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.00 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

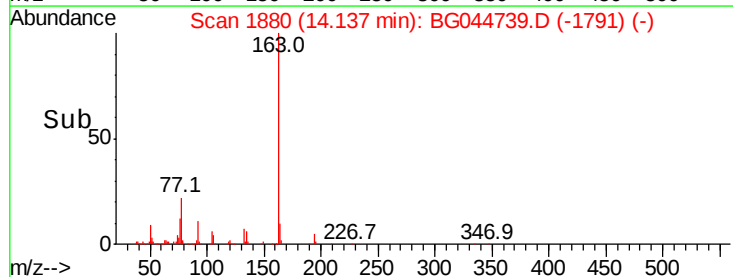
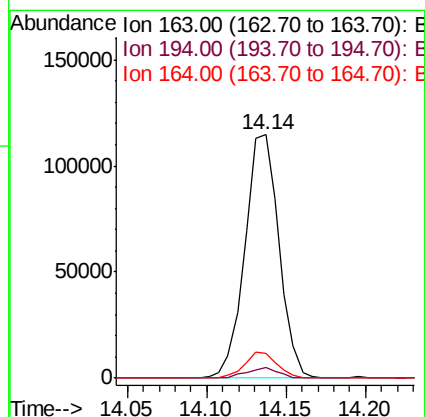
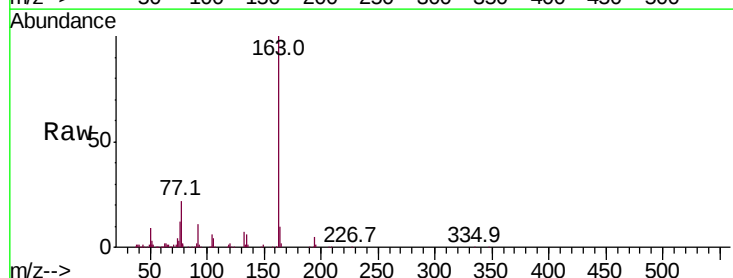
Instrument :
BNA_G
ClientSampled :

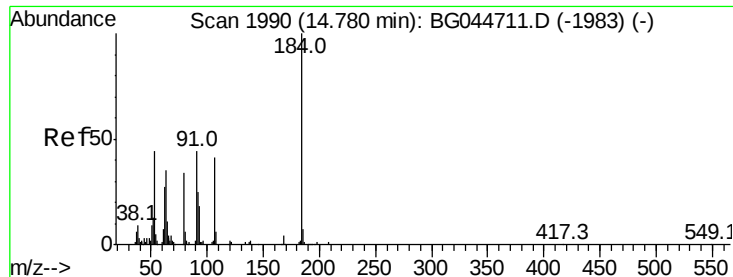
Tot Ion:172 Resp: 1362380
Ion Ratio Lower Upper
172 100
171 36.5 30.8 46.2
170 25.4 20.0 30.0



#50
Dimethylphthalate
Concen: 7.711 ng
RT: 14.14 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

Tgt Ion:163 Resp: 171552
Ion Ratio Lower Upper
163 100
194 4.6 3.5 5.3
164 10.3 9.2 13.8

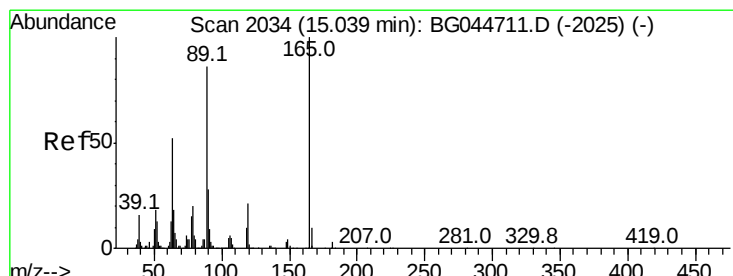
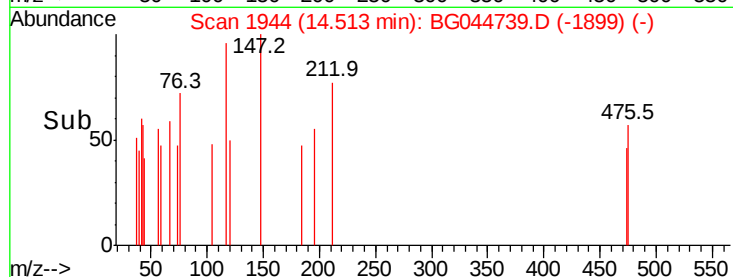
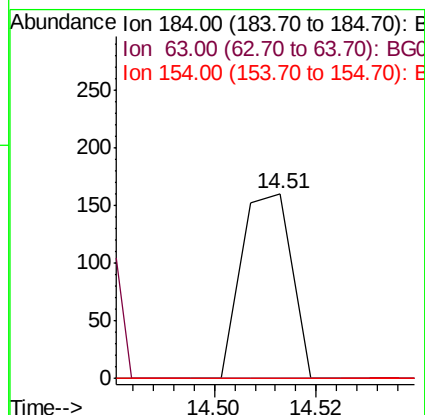
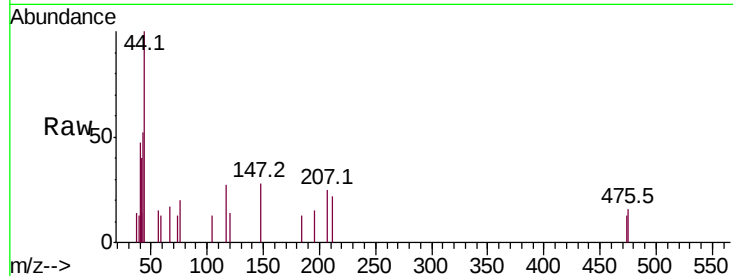




#54
2,4-Dinitrophenol
Concen: 8.365 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.27 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

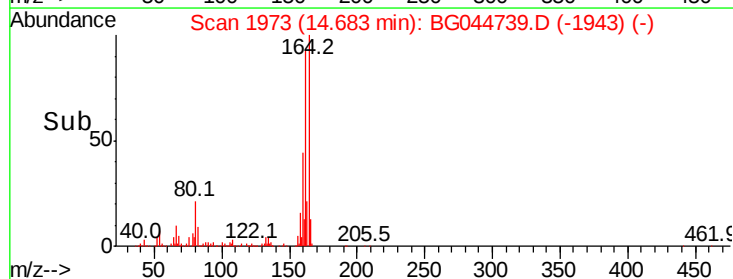
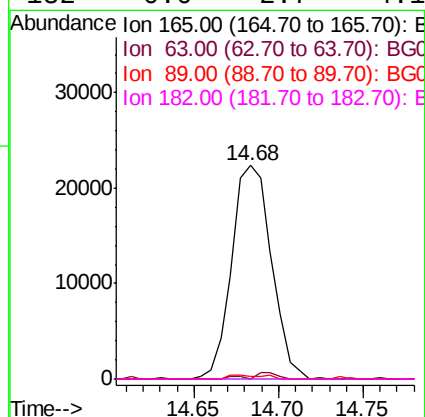
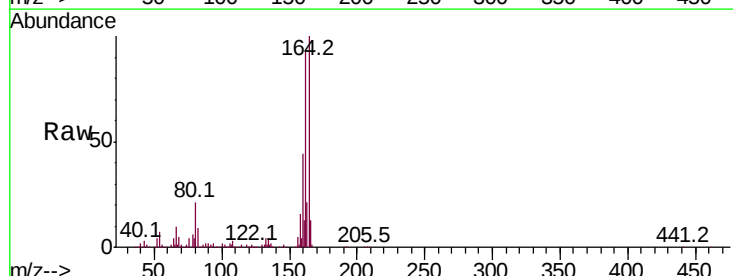
Instrument :
BNA_G
ClientSampled :

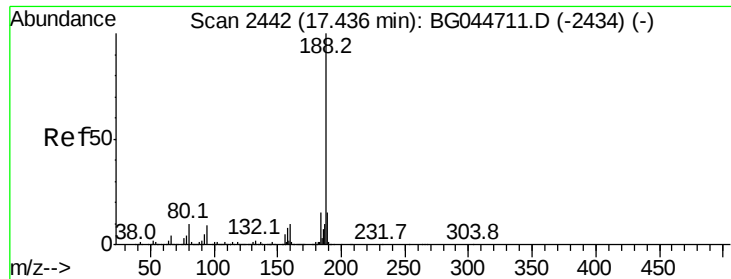
Tot Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.948 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.36 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

Tgt Ion:165 Resp: 36585
Ion Ratio Lower Upper
165 100
63 0.0 41.5 62.3#
89 1.0 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: BG044739.D

Acq: 12 Mar 2020 17:30

Instrument :

BNA_G

ClientSampleId :

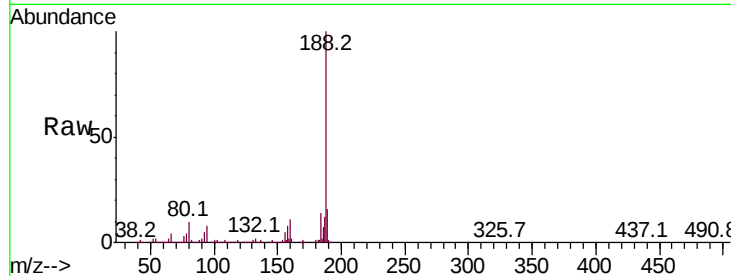
Tot Ion:188 Resp: 602700

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

80 10.4 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

17.43

400000

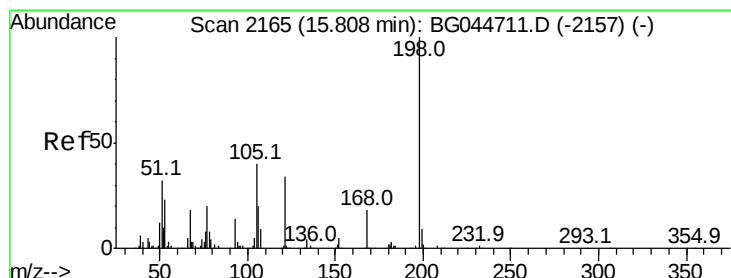
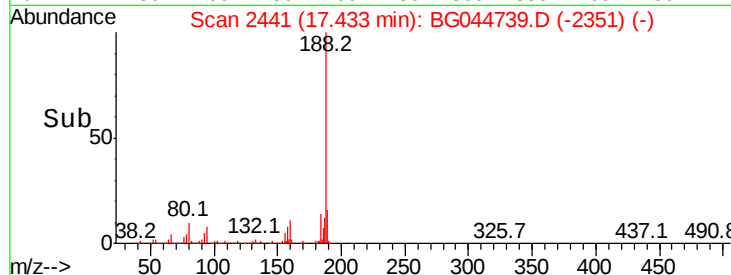
300000

200000

100000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.745 ng

RT: 15.89 min Scan# 2178

Delta R.T. 0.08 min

Lab File: BG044739.D

Acq: 12 Mar 2020 17:30

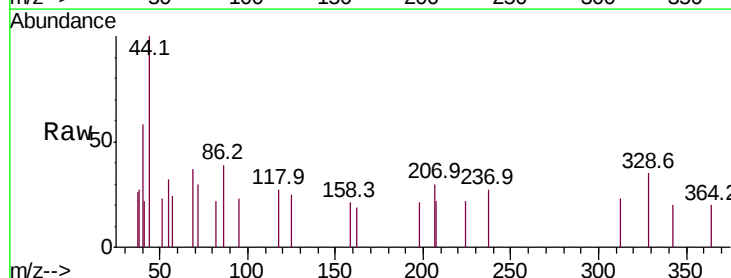
Tgt Ion:198 Resp: 58

Ion Ratio Lower Upper

198 100

51 112.1 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

250

200

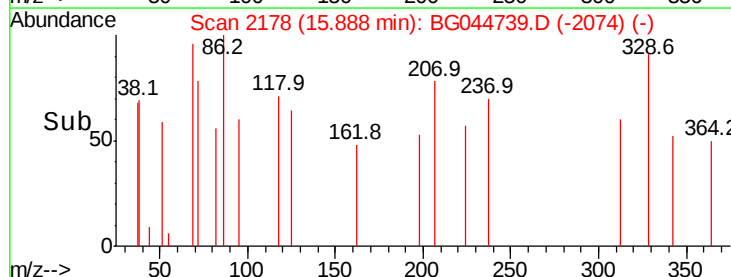
150

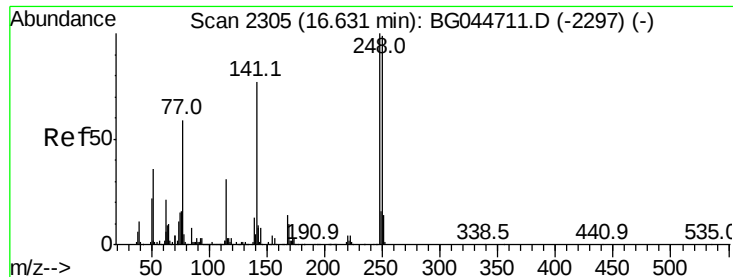
100

50

0

Time-->

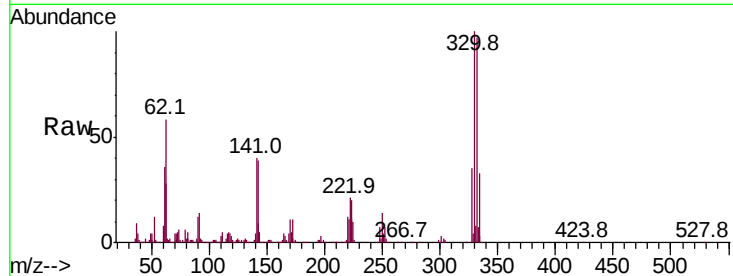




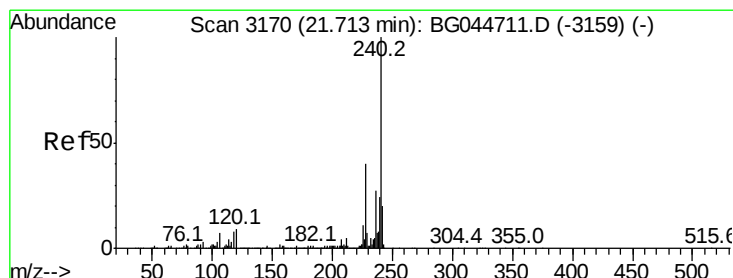
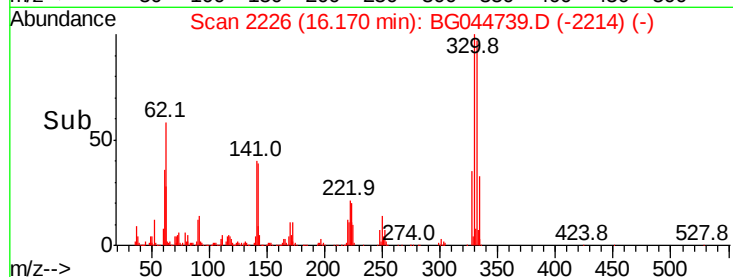
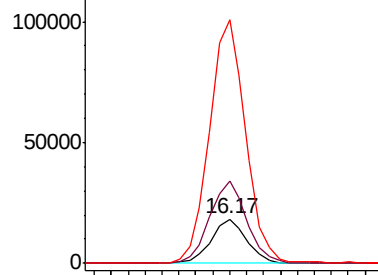
#67
 4-Bromophenyl-phenylether
 Concen: 3.545 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044739.D
 Acq: 12 Mar 2020 17:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 26707
 Ion Ratio Lower Upper
 248 100
 250 187.0 79.4 119.0#
 141 551.5 61.7 92.5#

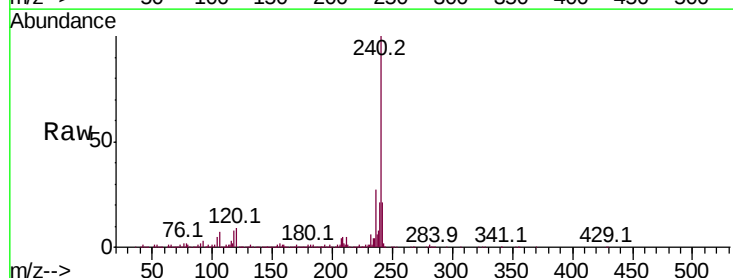


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

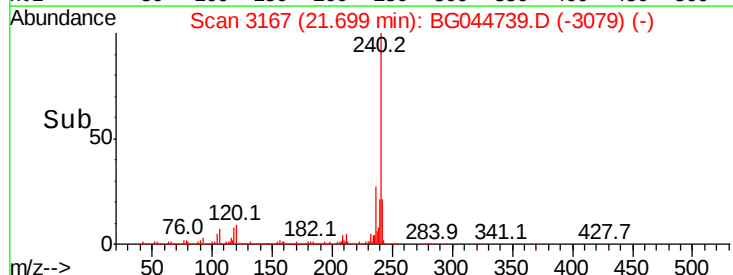
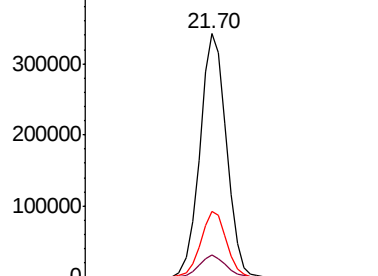


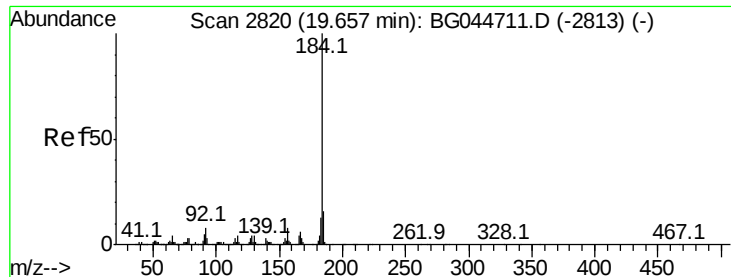
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.01 min
 Lab File: BG044739.D
 Acq: 12 Mar 2020 17:30

Tgt Ion:240 Resp: 572789
 Ion Ratio Lower Upper
 240 100
 120 9.2 6.9 10.3
 236 27.1 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





#77

Benzidine

Concen: 2.304 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.39 min

Lab File: BG044739.D

Acq: 12 Mar 2020 17:30

Instrument :

BNA_G

ClientSampleId :

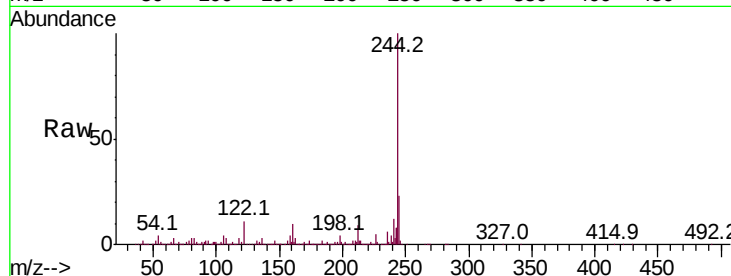
Tot Ion:184 Resp: 42837

Ion Ratio Lower Upper

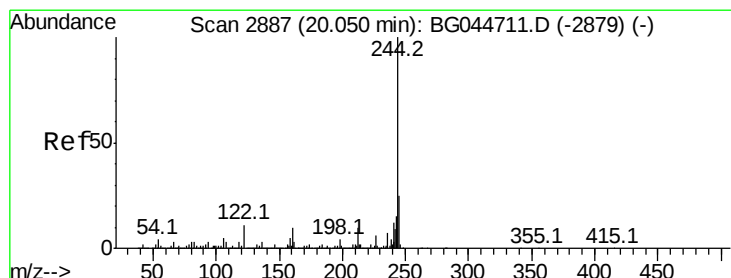
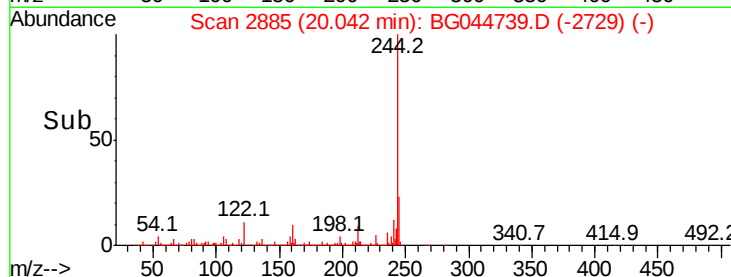
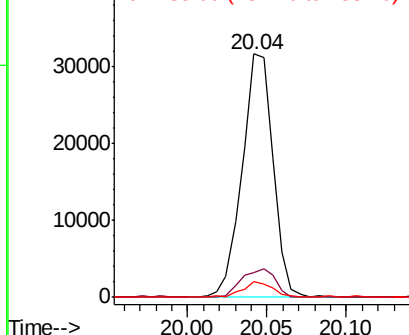
184 100

185 10.4 12.9 19.3#

183 6.7 10.6 15.8#



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: 66.587 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044739.D

Acq: 12 Mar 2020 17:30

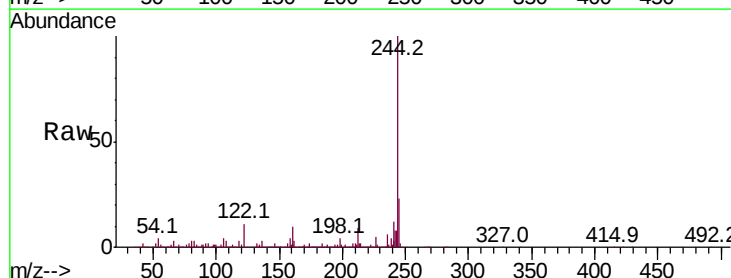
Tgt Ion:244 Resp: 2038977

Ion Ratio Lower Upper

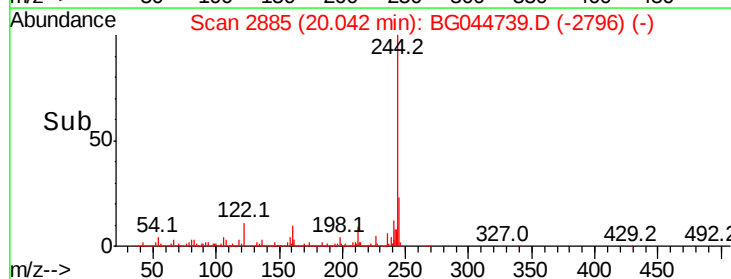
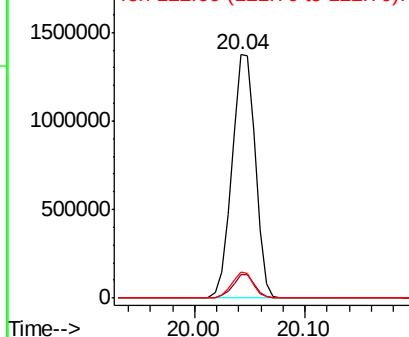
244 100

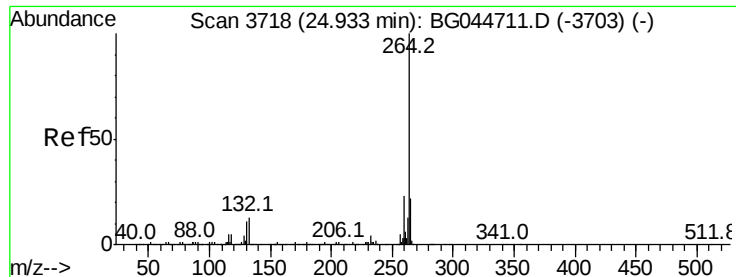
212 9.5 8.4 12.6

122 10.6 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
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3714
Delta R.T. -0.02 min
Lab File: BG044739.D
Acq: 12 Mar 2020 17:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.4	27.6
265	21.7	17.4	26.2

