

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044738.D
 Acq On : 12 Mar 2020 16:51
 Operator : CG/JU
 Sample : L1893-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:08:28 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	97397	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	395387	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	271602	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	610917	20.00	ng	0.00
76) Chrysene-d12	21.70	240	574029	20.00	ng	-0.01
87) Perylene-d12	24.92	264	633050	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	598167	95.60	ng	0.00
7) Phenol-d6	7.21	99	875017	96.26	ng	0.00
23) Nitrobenzene-d5	9.20	82	577144	64.05	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	335996	94.48	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1226641	64.68	ng	0.00
79) Terphenyl-d14	20.04	244	1905911	62.11	ng	0.00

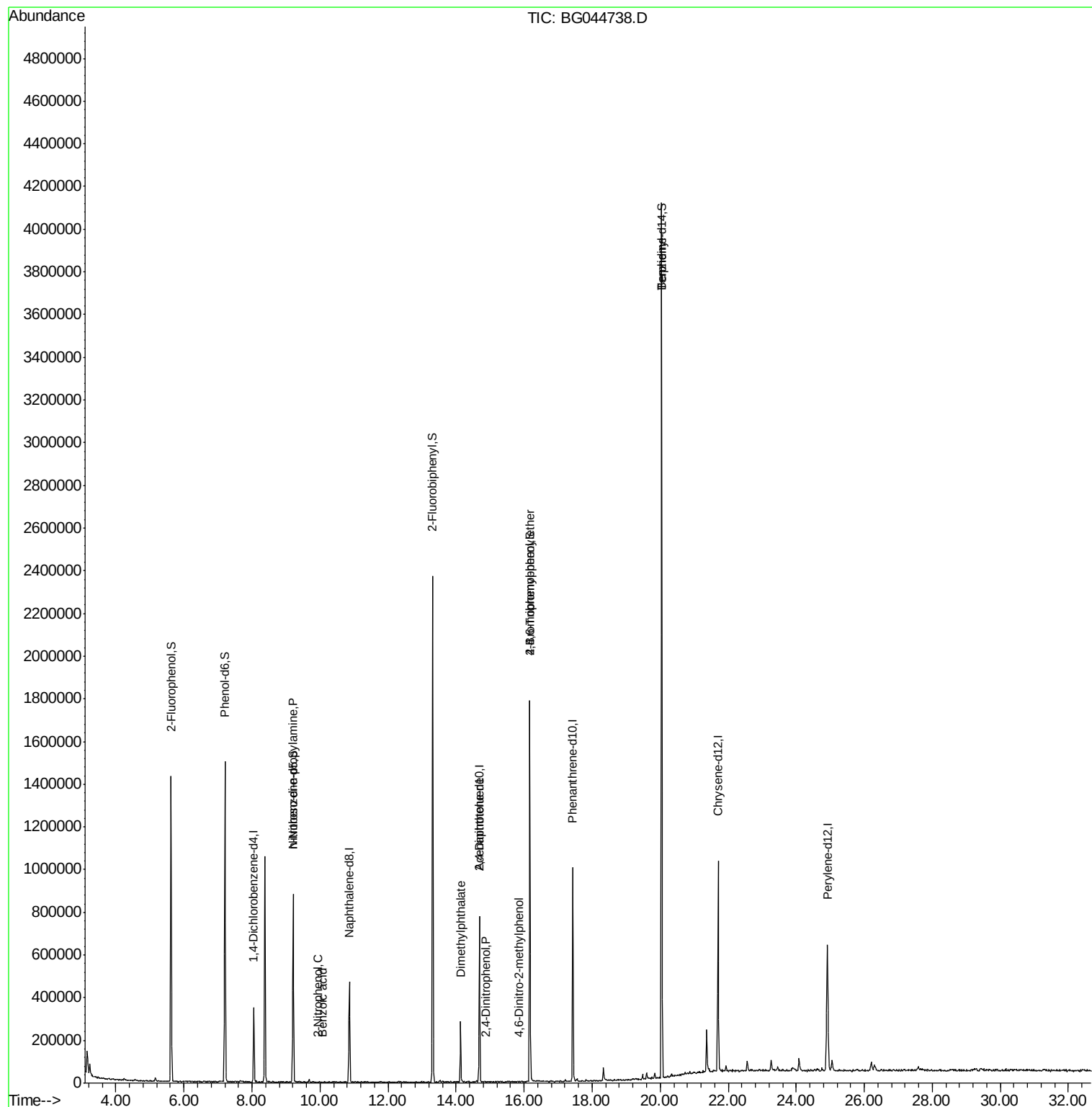
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2064	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	77680	12.102	ng	# 72
26) 2-Nitrophenol	9.95	139	53	5.530	ng	# 28
32) Benzoic acid	10.06	122	68	9.682	ng	# 26
50) Dimethylphthalate	14.13	163	185237	8.563	ng	# 99
54) 2,4-Dinitrophenol	14.87	184	57	8.345	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	34328	5.740	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.86	198	57	7.745	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	23913	3.131	ng	# 1
77) Benzidine	20.04	184	37777	2.027	ng	# 91

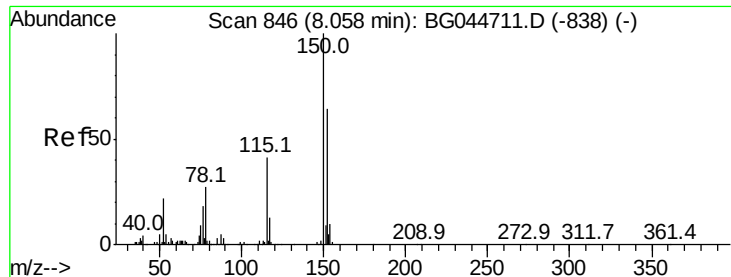
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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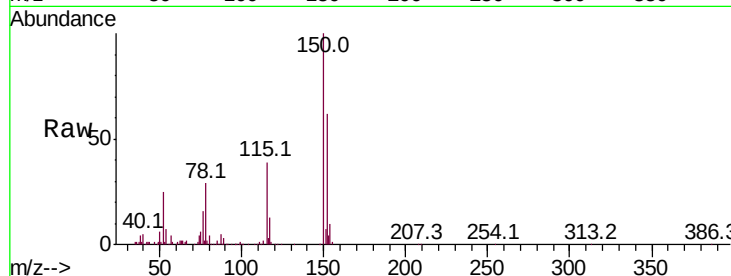


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044738.D
Acq: 12 Mar 2020 16:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	125.3	187.9
115	63.0	51.7	77.5

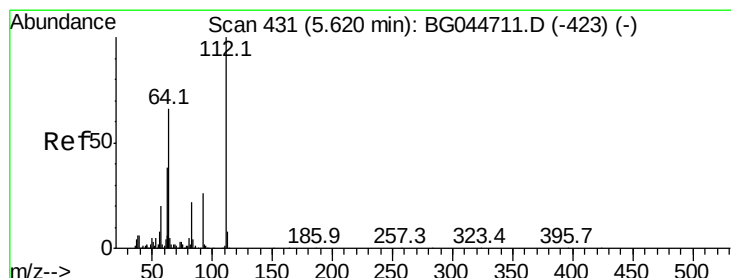
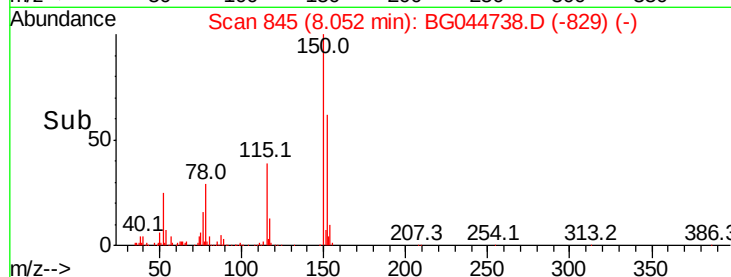
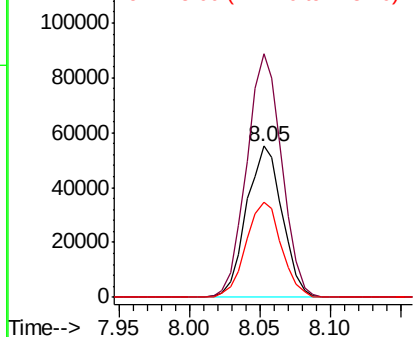


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

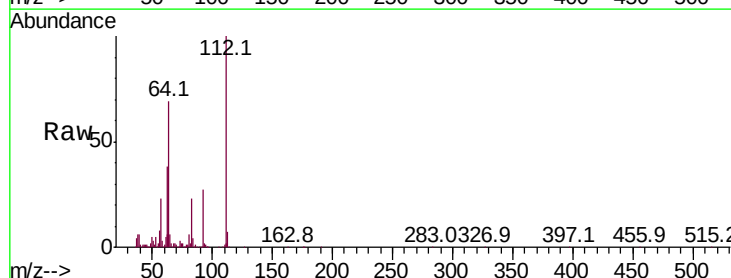
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.605 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.00 min
Lab File: BG044738.D
Acq: 12 Mar 2020 16:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	52.6	78.8
63	38.1	30.2	45.4

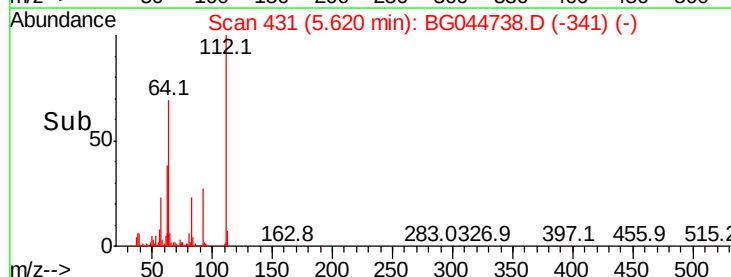
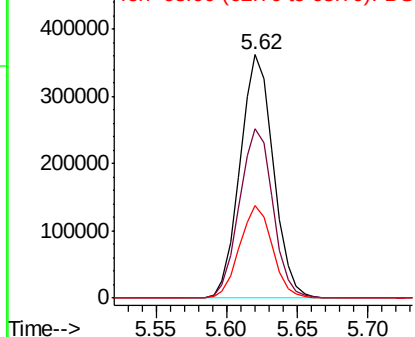


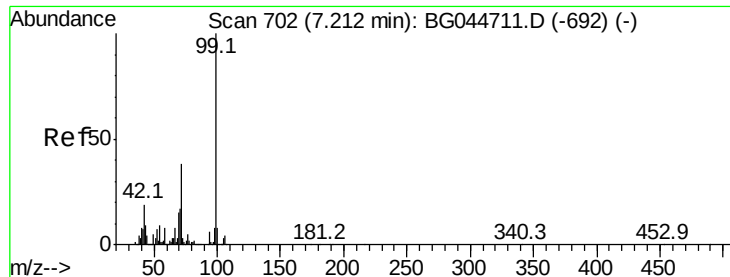
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 96.256 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

Instrument :

BNA_G

ClientSampleId :

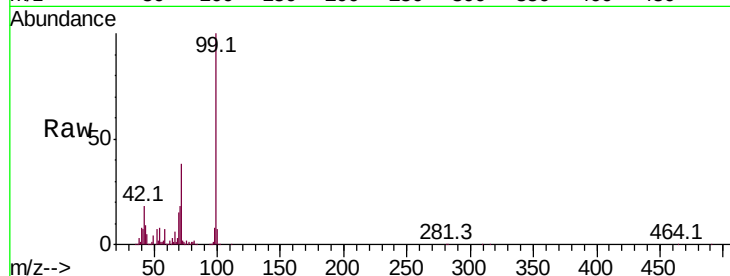
Tot Ion: 99 Resp: 875017

Ion Ratio Lower Upper

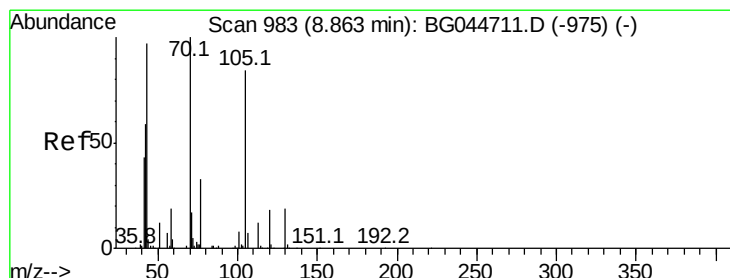
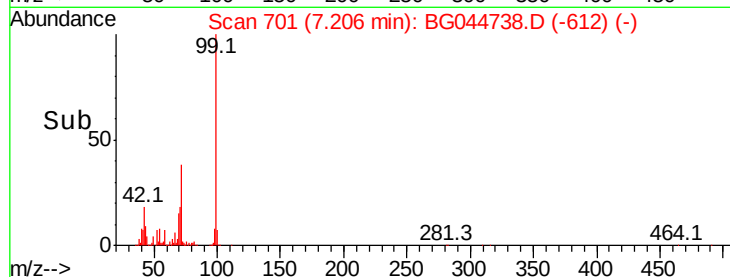
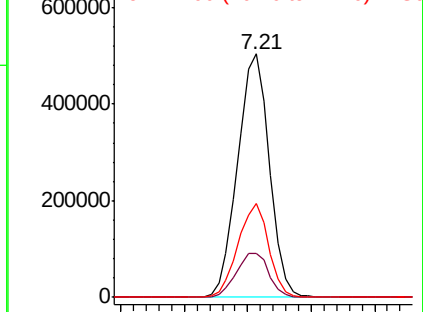
99 100

42 18.3 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: 12.102 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

Tgt Ion: 70 Resp: 77680

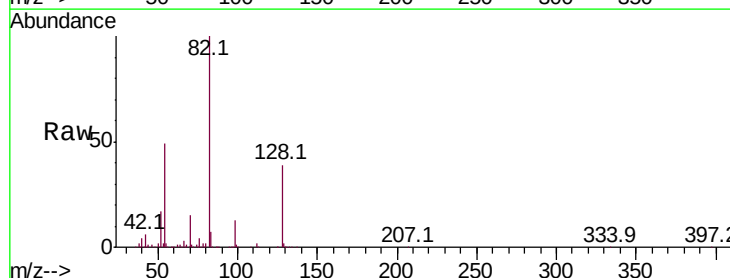
Ion Ratio Lower Upper

70 100

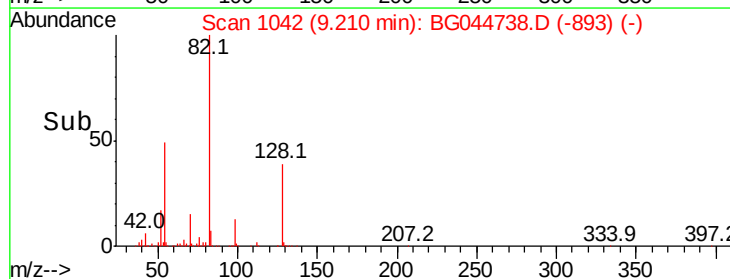
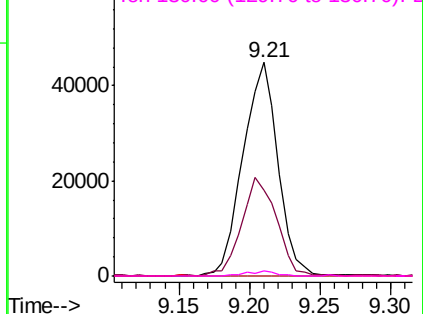
42 40.3 47.6 71.4#

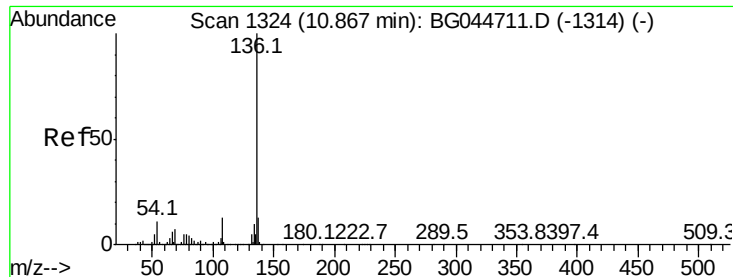
101 0.0 6.5 9.7#

130 2.1 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

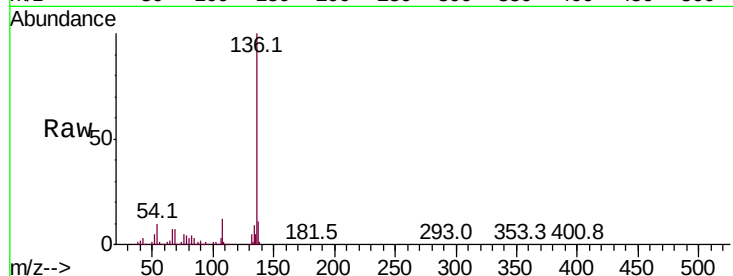




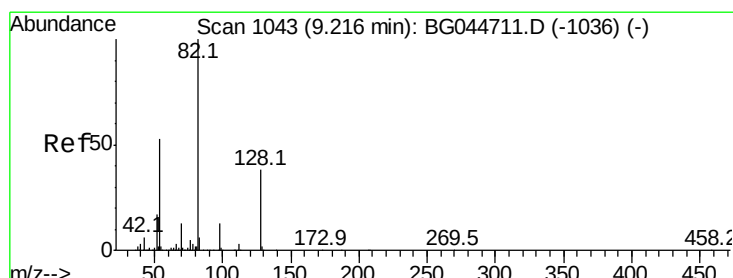
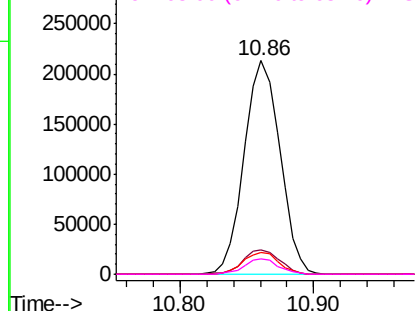
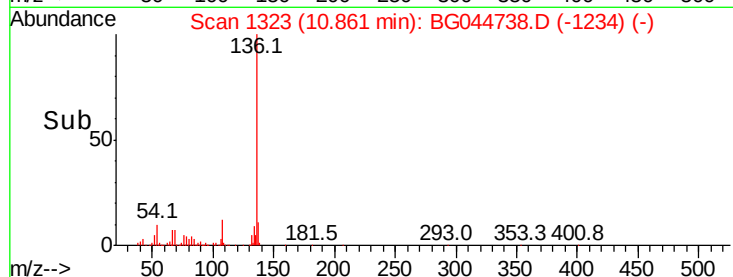
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044738.D
Acq: 12 Mar 2020 16:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	395387
Ion Ratio	Lower	Upper
136 100		
137 11.4	10.7	16.1
54 10.0	9.0	13.4
68 7.2	5.9	8.9

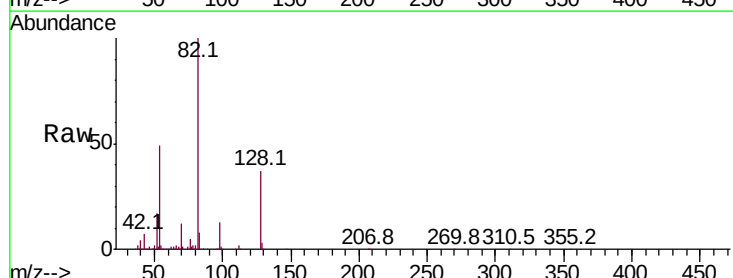


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

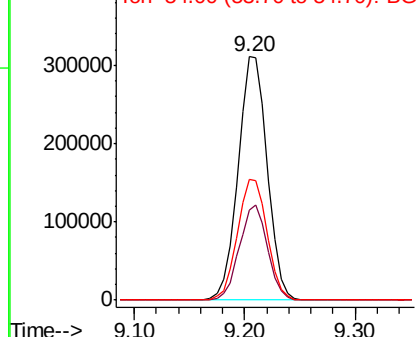
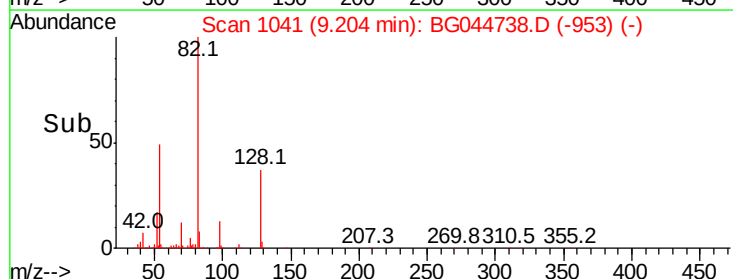


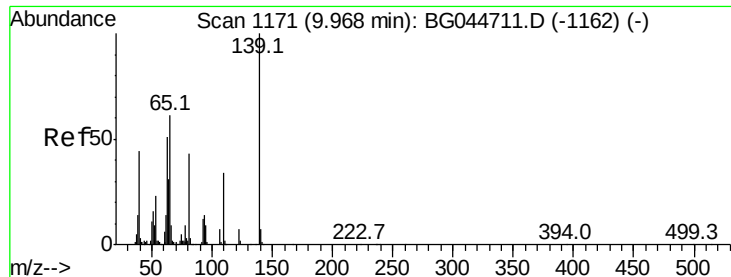
#23
Nitrobenzene-d5
Concen: 64.053 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044738.D
Acq: 12 Mar 2020 16:51

Tgt Ion: 82	Resp: 577144
Ion Ratio	Lower Upper
82 100	
128 37.0	30.2 45.2
54 49.4	41.8 62.8



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





#26

2-Nitrophenol

Concen: 5.530 ng

RT: 9.95 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

Instrument :

BNA_G

ClientSampleId :

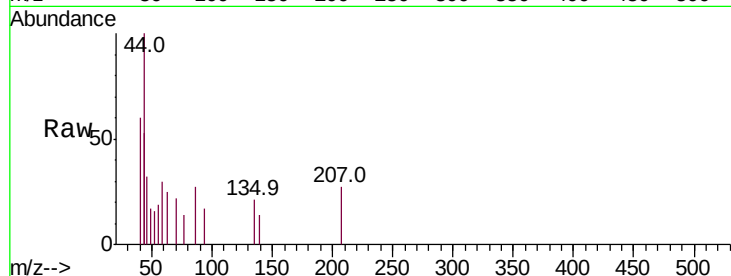
Tot Ion:139 Resp: 53

Ion Ratio Lower Upper

139 100

109 0.0 27.0 40.4#

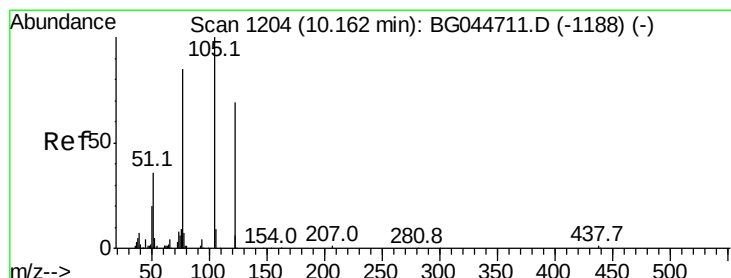
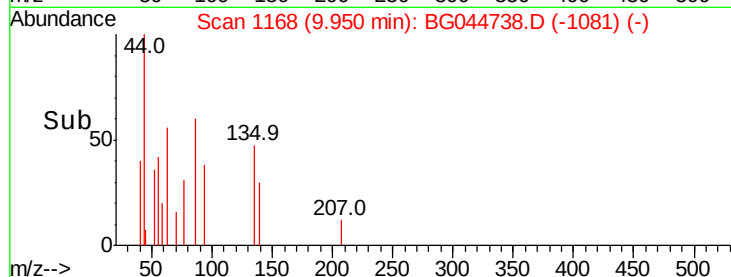
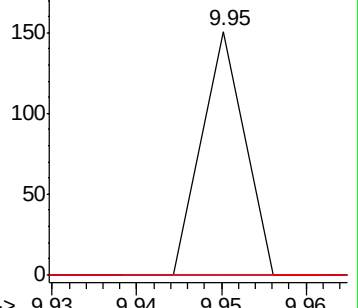
65 0.0 48.6 73.0#



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: 9.682 ng

RT: 10.06 min Scan# 1186

Delta R.T. -0.11 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

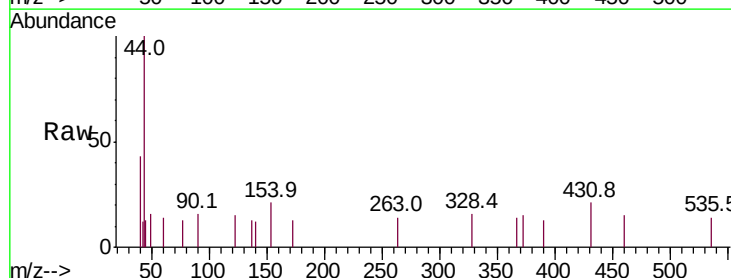
Tgt Ion:122 Resp: 68

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

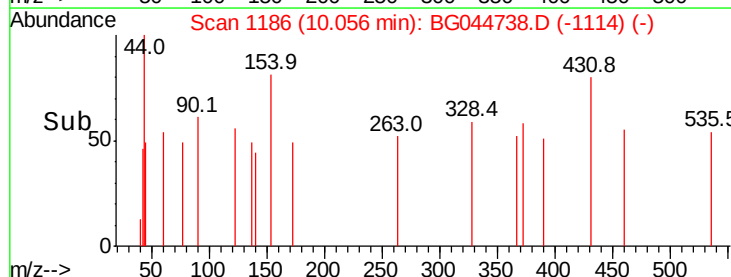
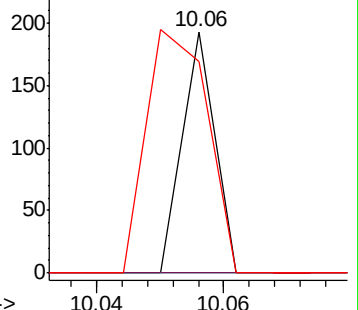
77 87.6 96.4 136.4#

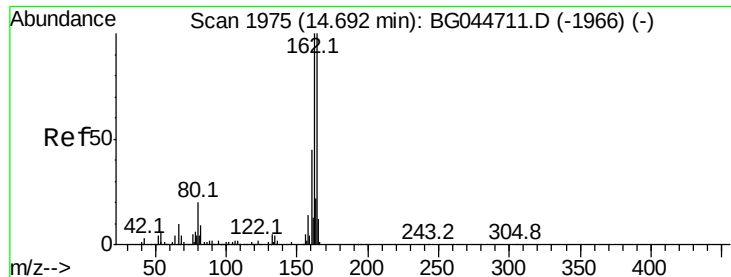


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

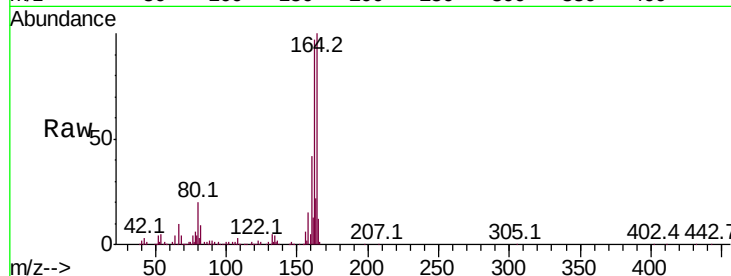




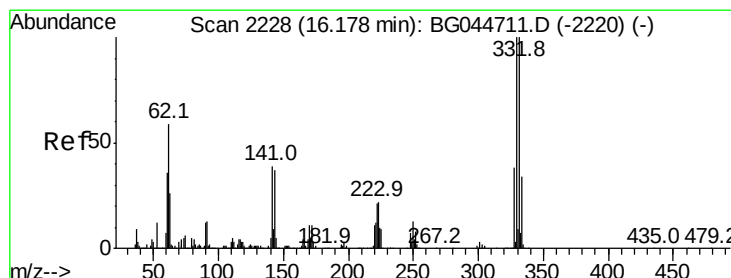
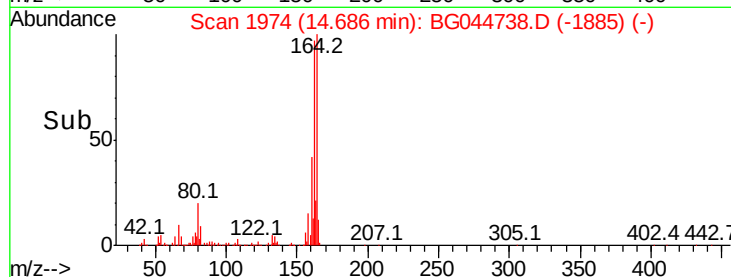
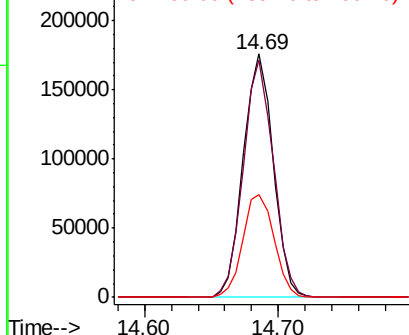
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG044738.D
Acq: 12 Mar 2020 16:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.3	80.2	120.4
160	42.5	36.2	54.2

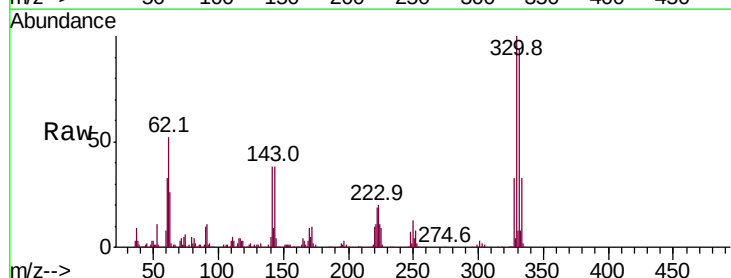


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

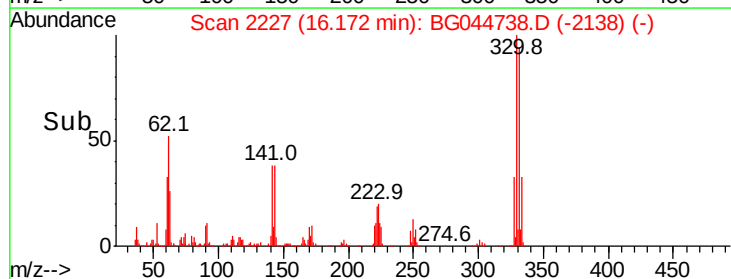
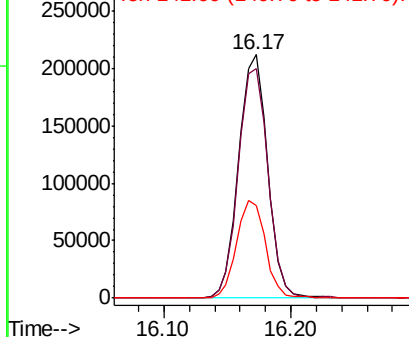


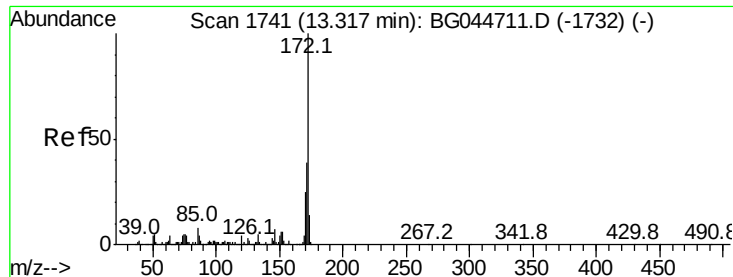
#42
2,4,6-Tribromophenol
Concen: 94.481 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG044738.D
Acq: 12 Mar 2020 16:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.5	116.3
141	40.0	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: 64.675 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

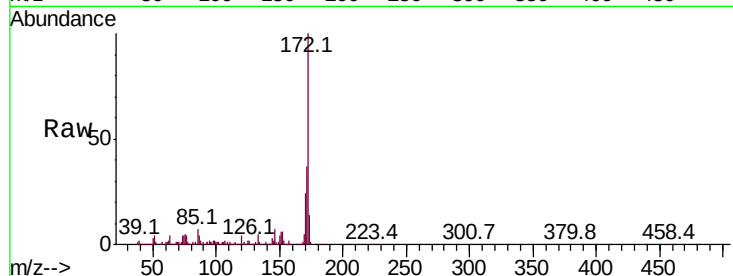
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1226641

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.8	46.2
170	23.9	20.0	30.0

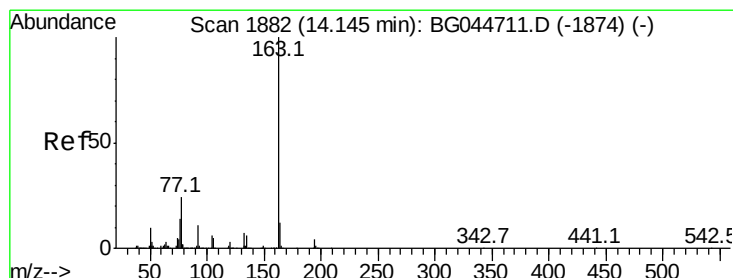
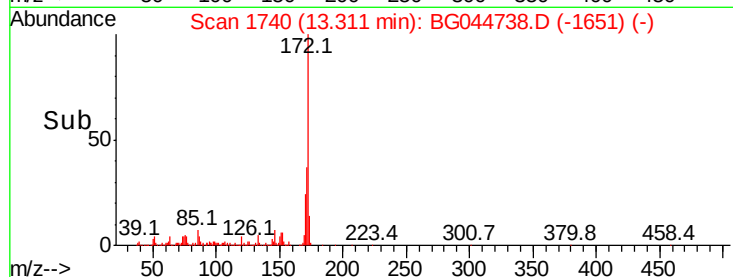
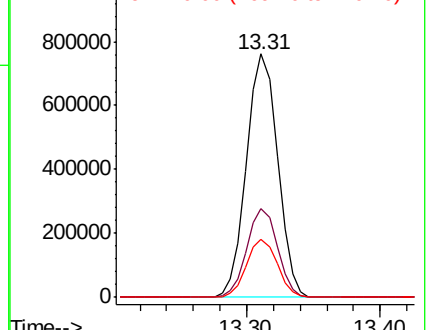


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 8.563 ng

RT: 14.13 min Scan# 1880

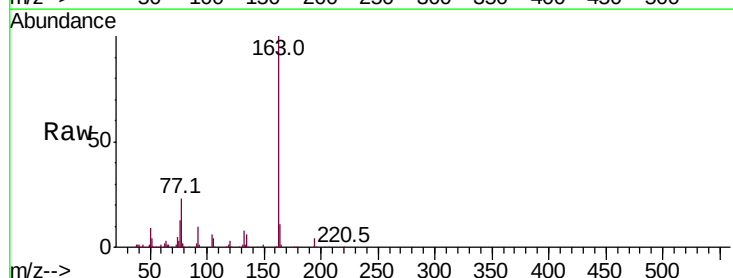
Delta R.T. -0.01 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

Tgt Ion:163 Resp: 185237

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.5	5.3
164	11.2	9.2	13.8

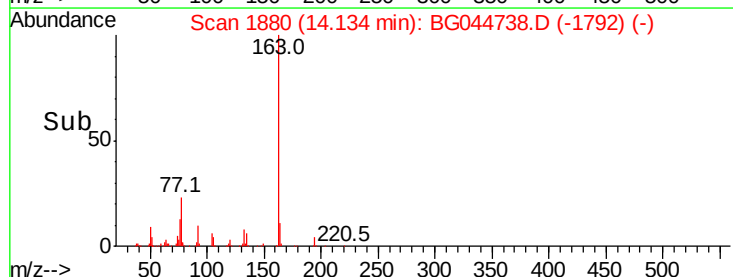
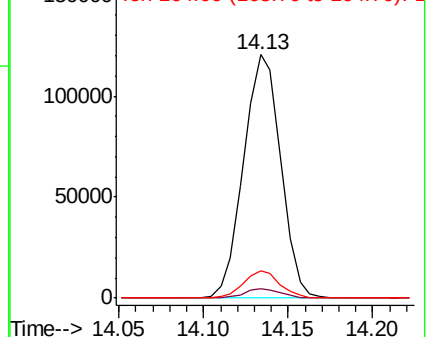


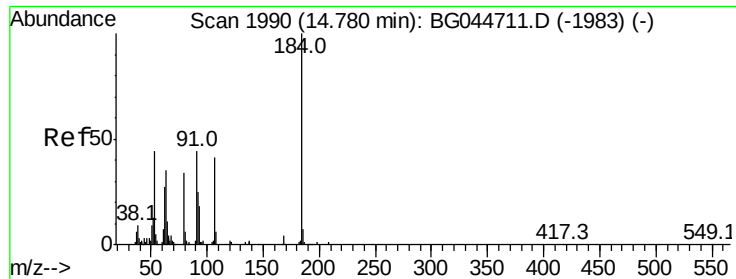
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

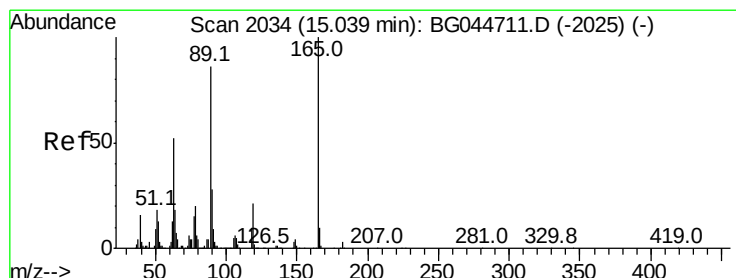
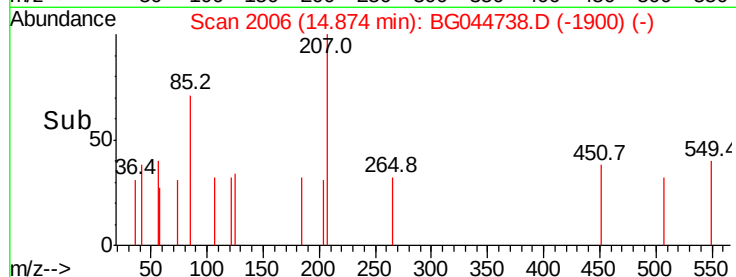
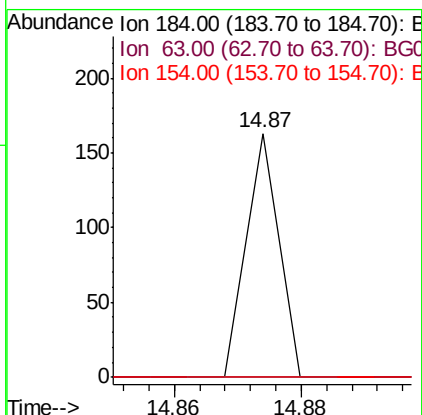
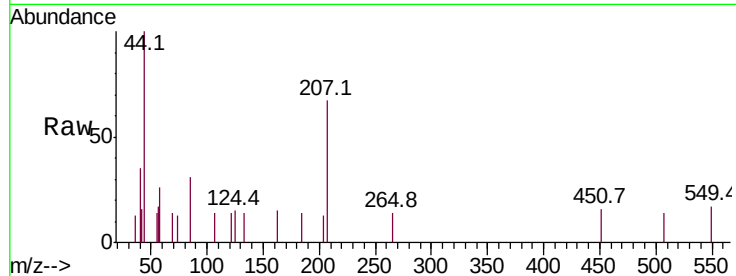




#54
 2,4-Dinitrophenol
 Concen: 8.345 ng
 RT: 14.87 min Scan# 2006
 Delta R.T. 0.09 min
 Lab File: BG044738.D
 Acq: 12 Mar 2020 16:51

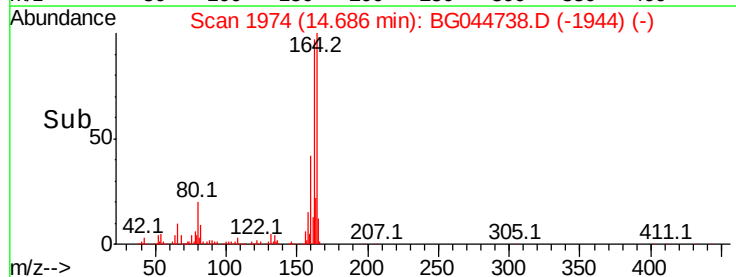
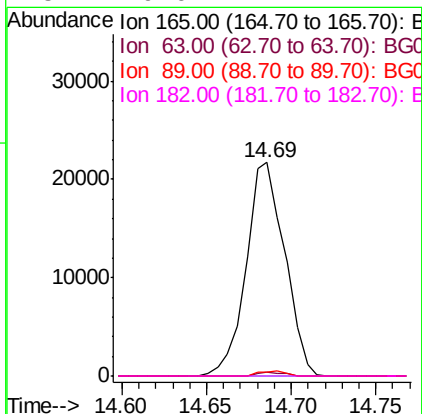
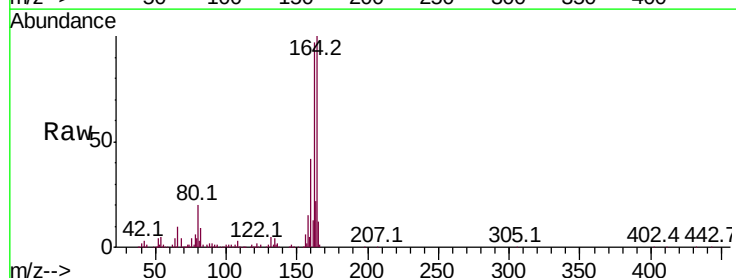
Instrument :
 BNA_G
 ClientSampleId :

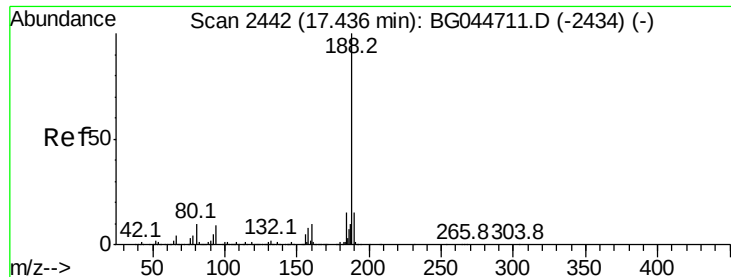
Tot Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 0.0 94.5 141.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.740 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.35 min
 Lab File: BG044738.D
 Acq: 12 Mar 2020 16:51

Tgt Ion:165 Resp: 34328
 Ion Ratio Lower Upper
 165 100
 63 1.9 41.5 62.3#
 89 1.7 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: BG044738.D

Acq: 12 Mar 2020 16:51

Instrument :

BNA_G

ClientSampleId :

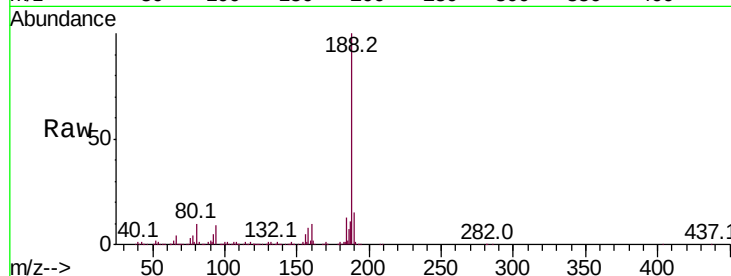
Tot Ion:188 Resp: 610917

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

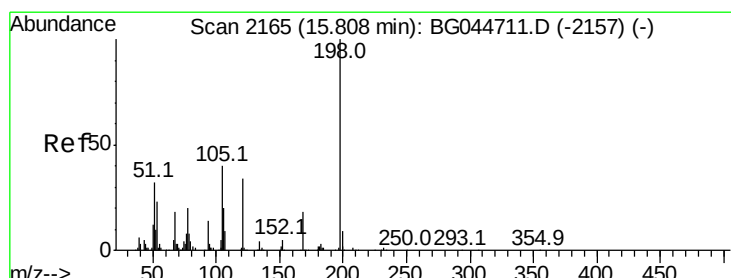
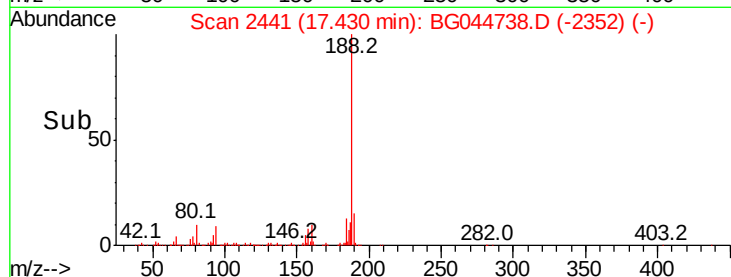
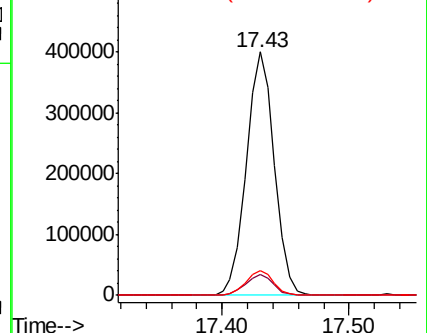
80 10.3 8.4 12.6



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: 7.745 ng

RT: 15.86 min Scan# 2173

Delta R.T. 0.05 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

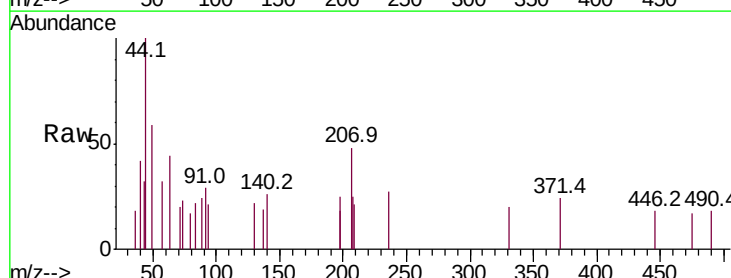
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

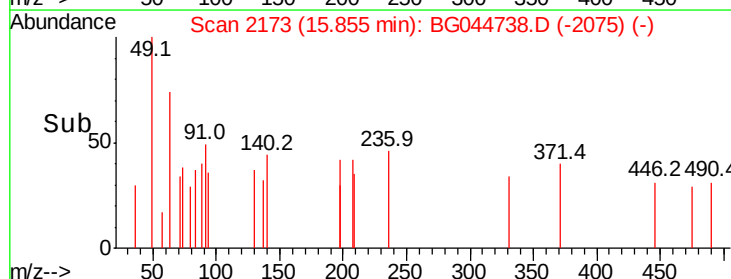
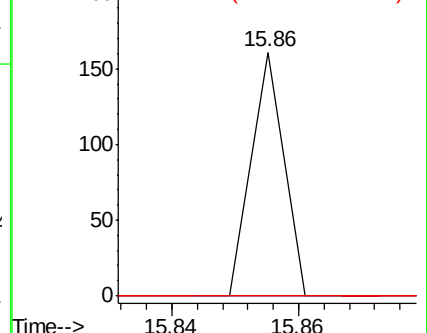
105 0.0 21.3 61.3#

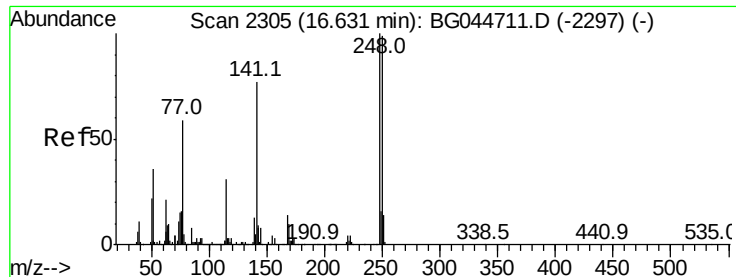


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.131 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

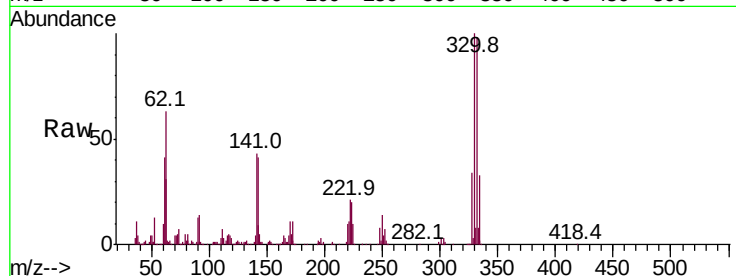
Instrument :

BNA_G

ClientSampleId :

Tot Ion:248 Resp: 23913

Ion	Ratio	Lower	Upper
248	100		
250	172.4	79.4	119.0#
141	535.3	61.7	92.5#

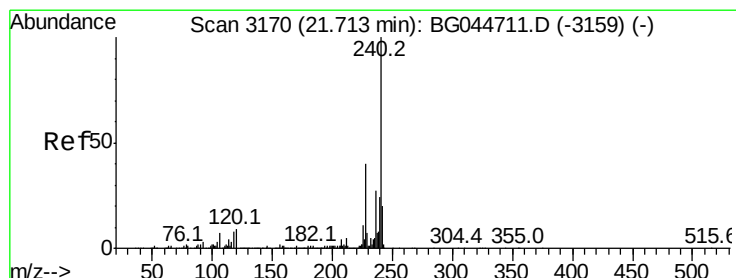
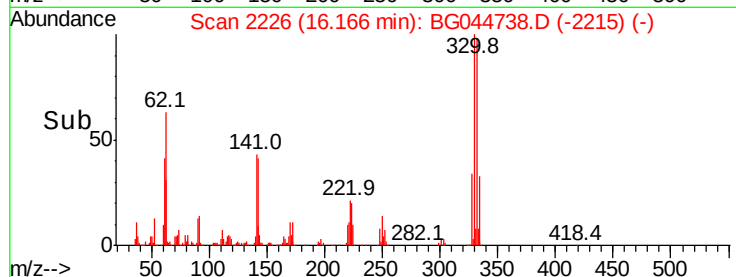
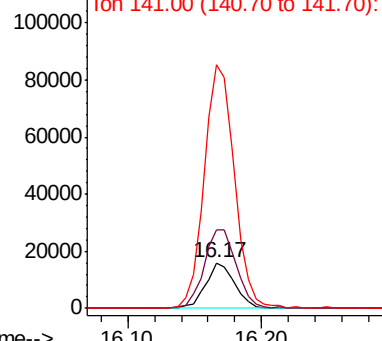


Abundance

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# 3168

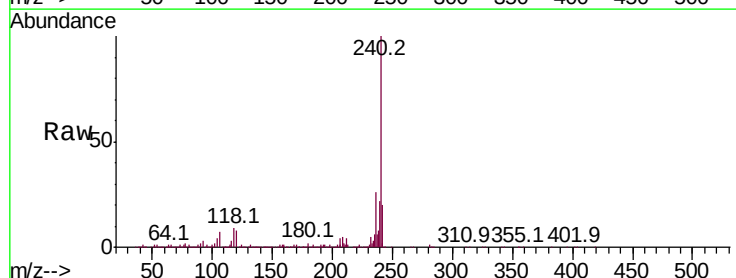
Delta R.T. -0.01 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

Tgt Ion:240 Resp: 574029

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	26.0	21.9	32.9

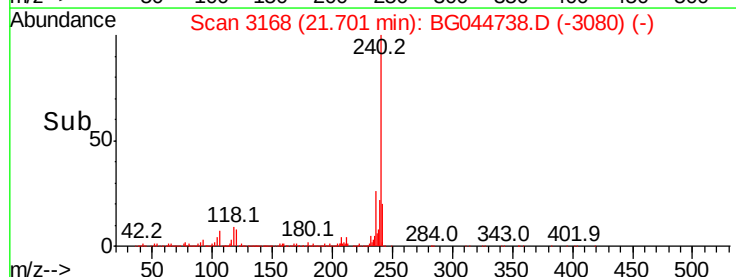
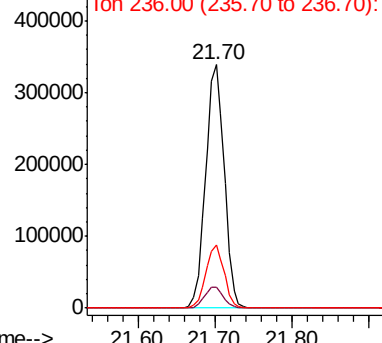


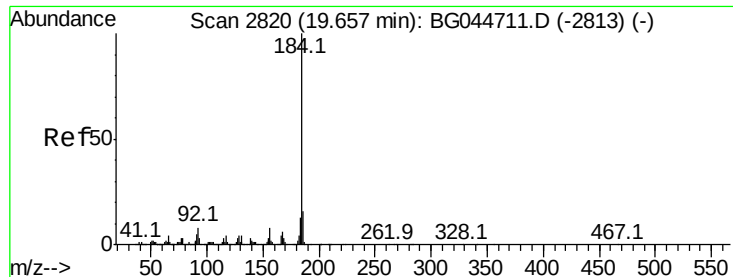
Abundance

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: 2.027 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

Instrument :

BNA_G

ClientSampleId :

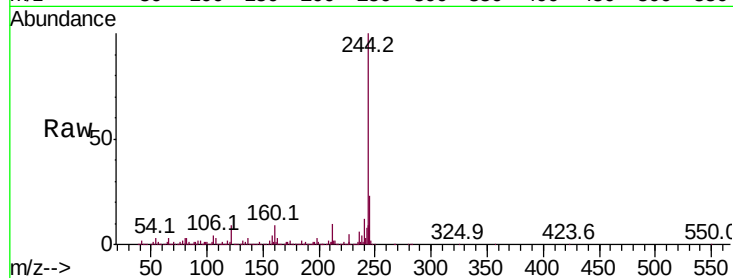
Tot Ion:184 Resp: 37777

Ion Ratio Lower Upper

184 100

185 14.9 12.9 19.3

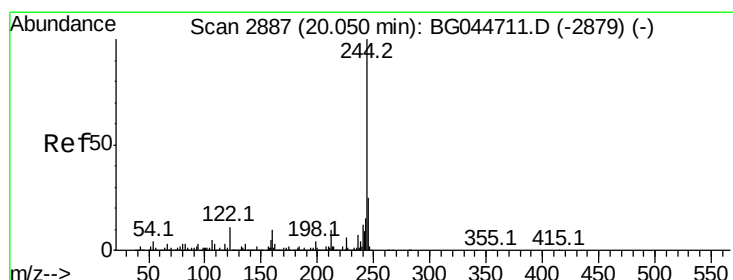
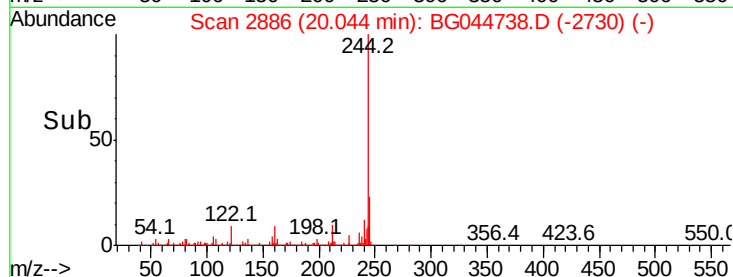
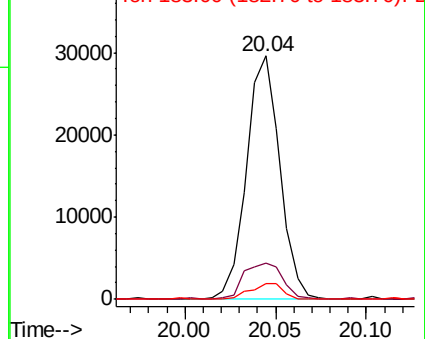
183 6.7 10.6 15.8#



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: 62.107 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044738.D

Acq: 12 Mar 2020 16:51

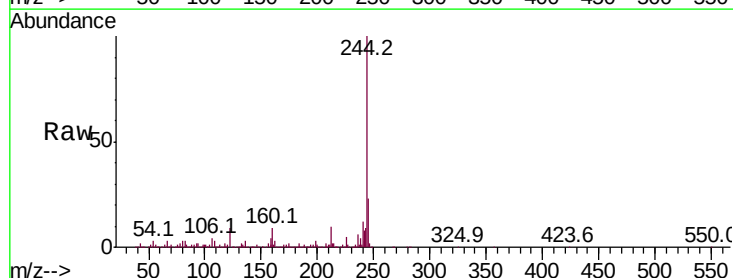
Tgt Ion:244 Resp: 1905911

Ion Ratio Lower Upper

244 100

212 9.5 8.4 12.6

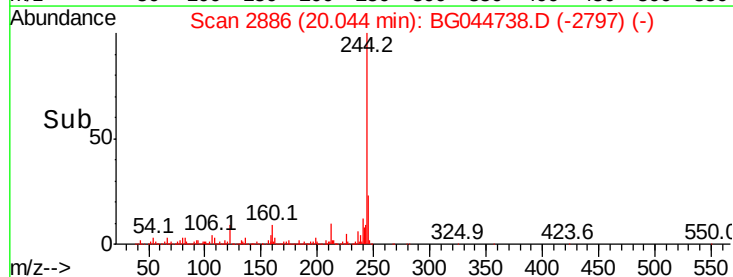
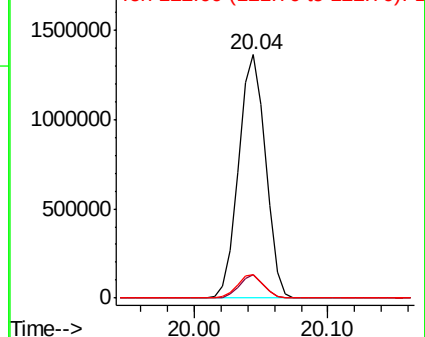
122 9.4 8.7 13.1

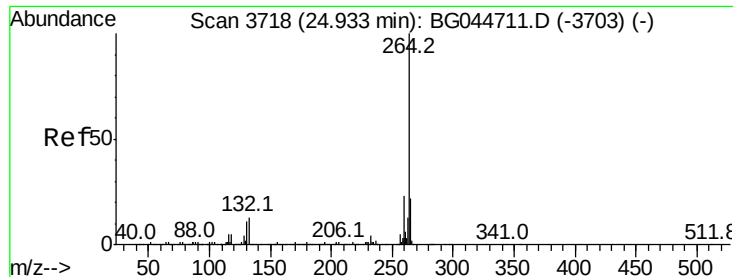


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.92 min Scan# 3716
 Delta R.T. -0.01 min
 Lab File: BG044738.D
 Acq: 12 Mar 2020 16:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	633050
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	21.8	17.4	26.2

