

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044761.D
 Acq On : 13 Mar 2020 8:44
 Operator : CG/JU
 Sample : L1893-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 09:19:28 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	8.06	152	96700	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	407112	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	276752	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	604794	20.00	ng	0.00
76) Chrysene-d12	21.70	240	549806	20.00	ng	-0.01
87) Perylene-d12	24.92	264	619661	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	754217	121.42	ng	0.00
7) Phenol-d6	7.21	99	996154	110.37	ng	0.00
23) Nitrobenzene-d5	9.21	82	803109	86.56	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	460596	127.11	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1624752	84.07	ng	0.00
79) Terphenyl-d14	20.04	244	2530890	86.11	ng	0.00

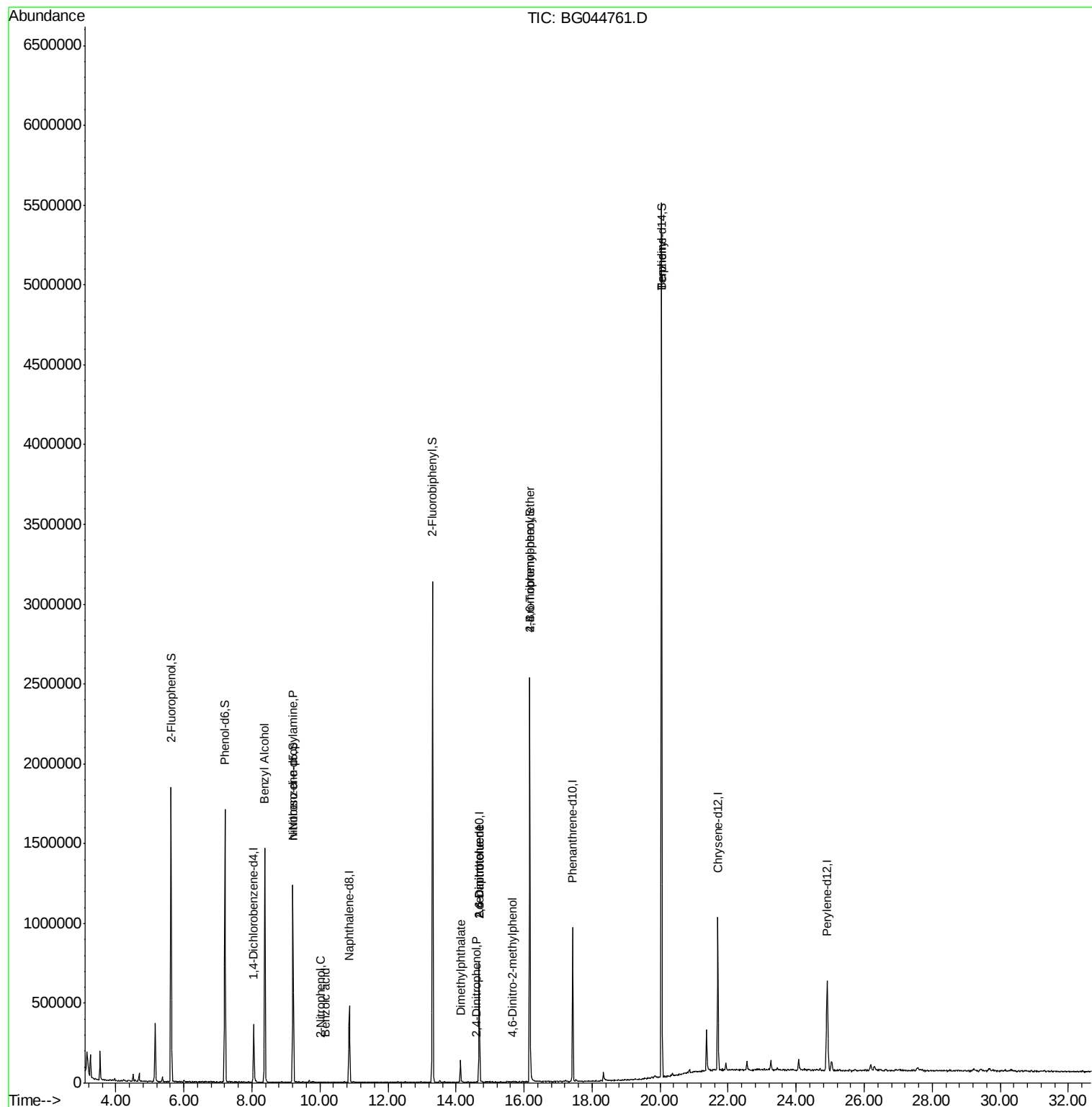
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.22	77	2401	Below Cal		# 19
15) Benzyl Alcohol	8.38	79	14577	2.013	ng	# 59
19) n-Nitroso-di-n-propylamine	9.21	70	112180	17.603	ng	# 75
26) 2-Nitrophenol	10.03	139	82	5.537	ng	# 28
32) Benzoic acid	10.16	122	65	9.681	ng	# 1
50) Dimethylphthalate	14.14	163	88416	4.011	ng	# 99
51) 2,6-Dinitrotoluene	14.68	165	35890	8.078	ng	# 20
54) 2,4-Dinitrophenol	14.61	184	80	8.354	ng	# 54
57) 2,4-Dinitrotoluene	14.68	165	35890	5.890	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.66	198	80	7.752	ng	# 17
67) 4-Bromophenyl-phenylether	16.18	248	31664	4.188	ng	# 1
77) Benzidine	20.05	184	54855	3.073	ng	# 92

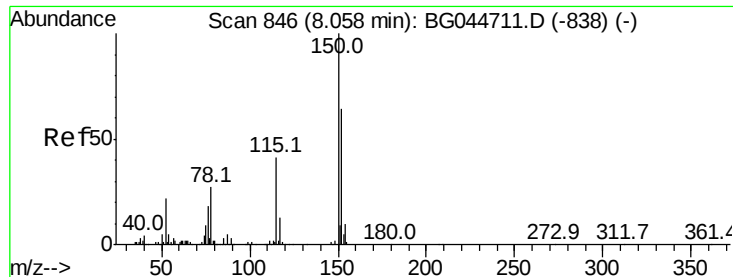
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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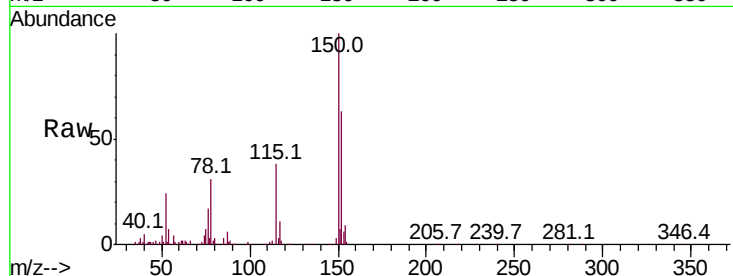


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.3	187.9
115	59.7	51.7	77.5

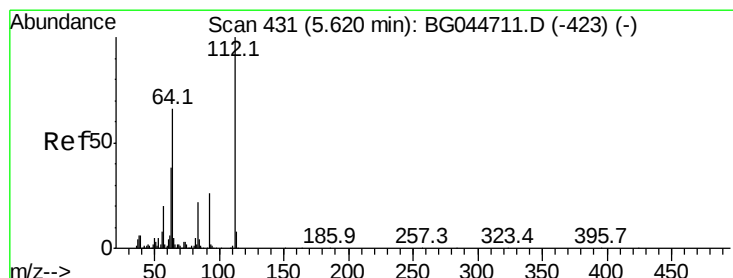
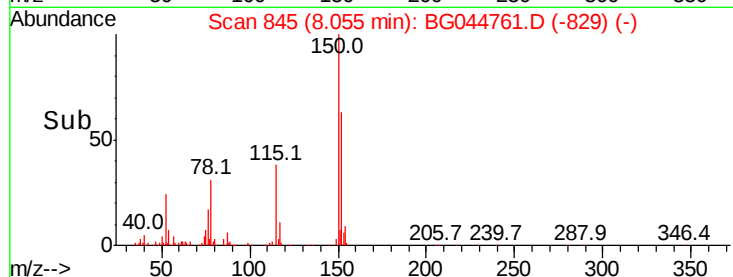
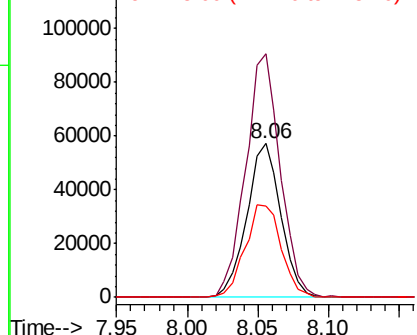


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

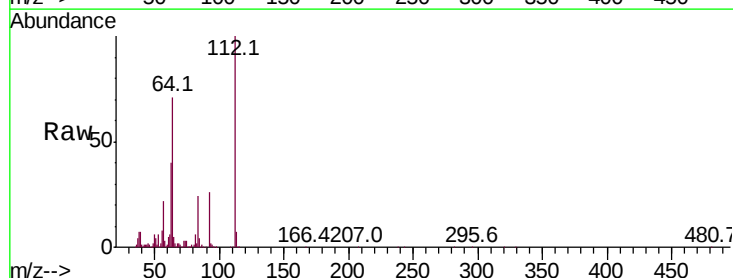
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.415 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	52.6	78.8
63	40.1	30.2	45.4

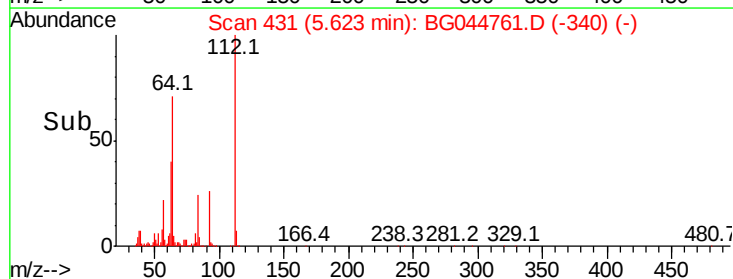
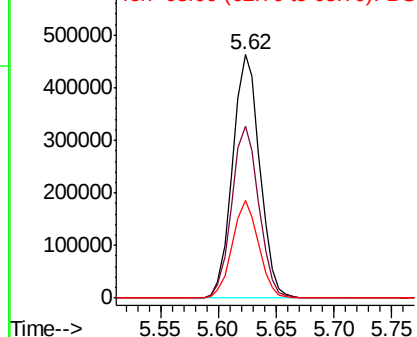


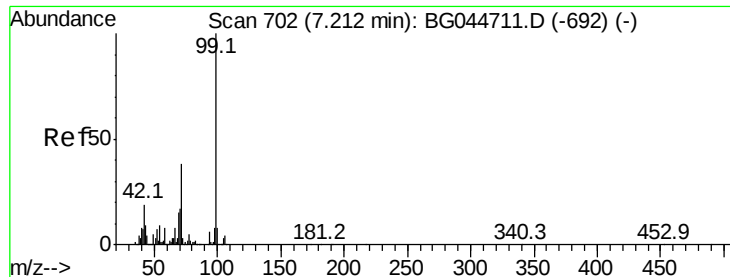
Abundance

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: 110.372 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

Instrument :

BNA_G

ClientSampleId :

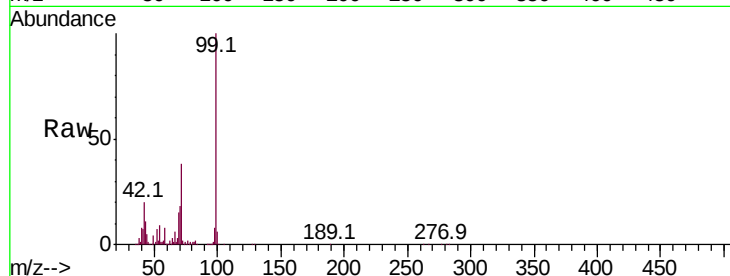
Tot Ion: 99 Resp: 996154

Ion Ratio Lower Upper

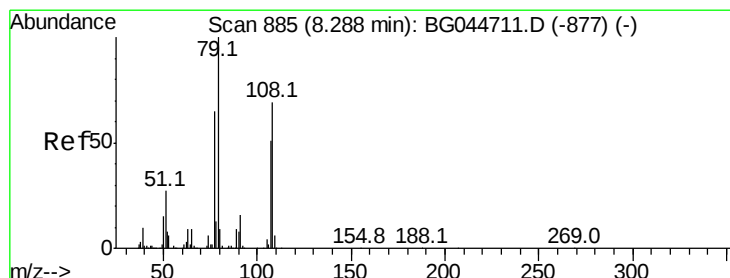
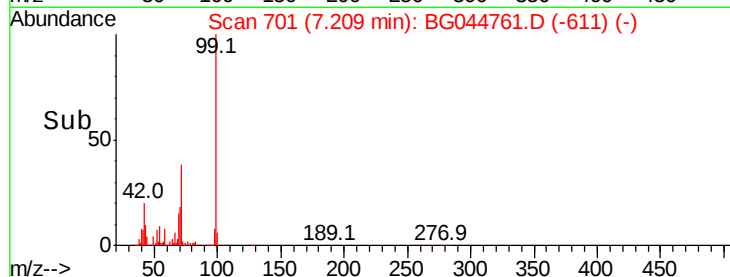
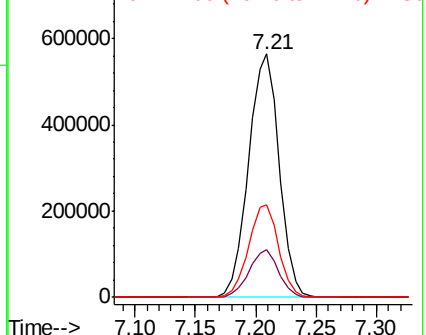
99 100

42 19.5 15.4 23.0

71 37.9 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



#15

Benzyl Alcohol

Concen: 2.013 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.09 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

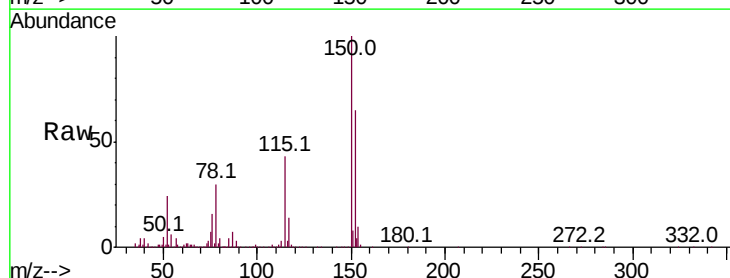
Tgt Ion: 79 Resp: 14577

Ion Ratio Lower Upper

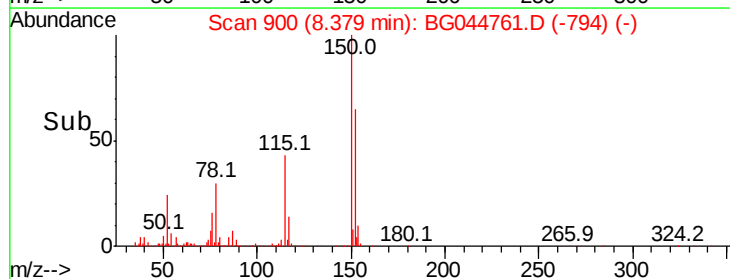
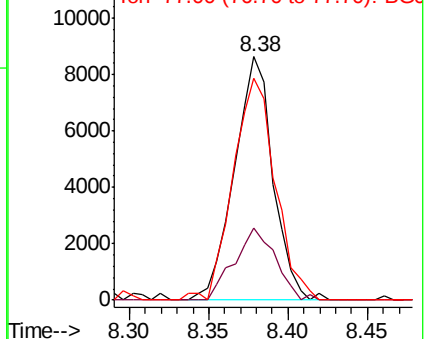
79 100

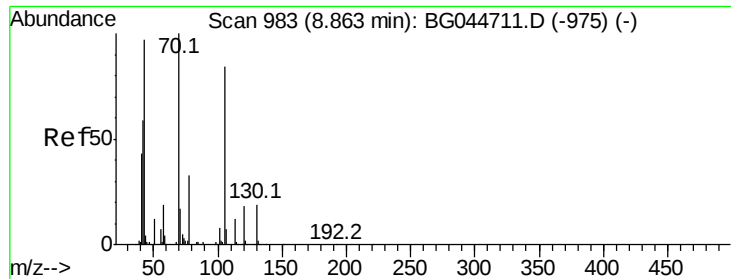
108 29.7 55.4 83.0#

77 91.2 52.2 78.4#



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

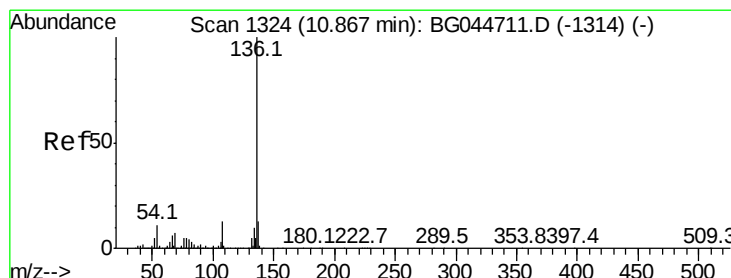
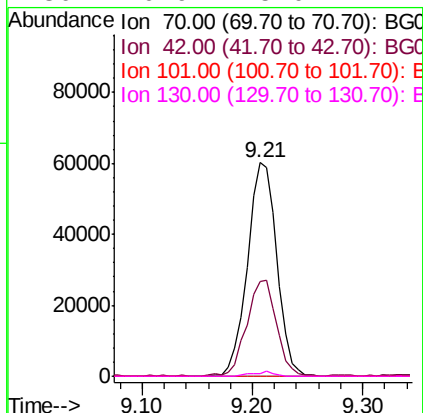
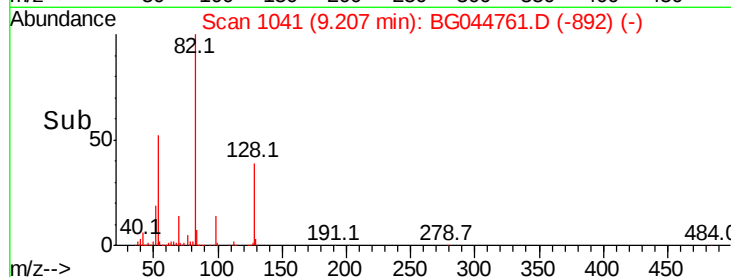
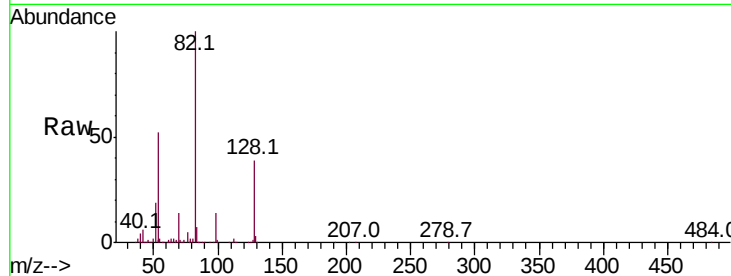




#19
n-Nitroso-di-n-propylamine
Concen: 17.603 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.34 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

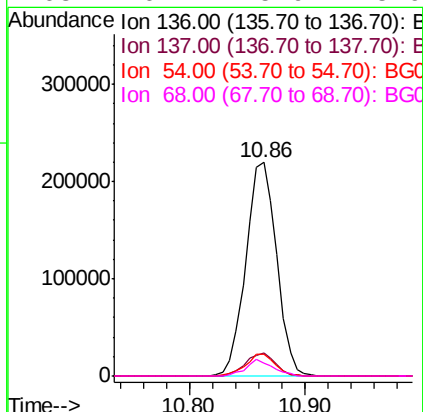
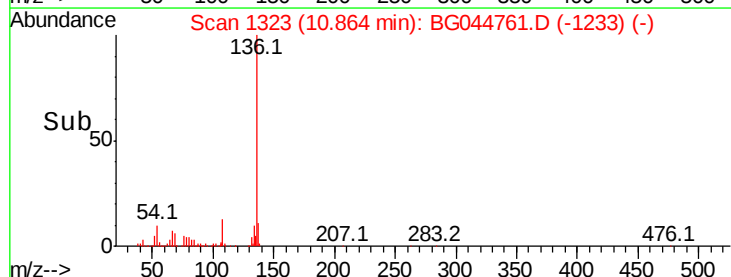
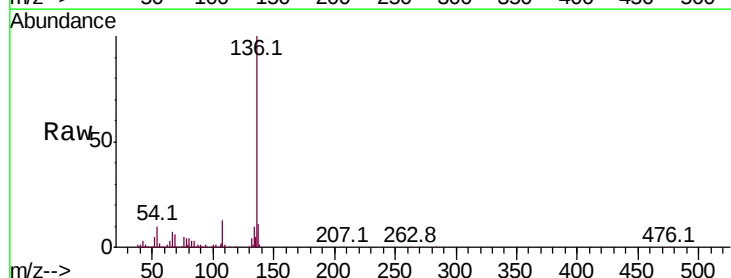
Instrument :
BNA_G
ClientSampleId :

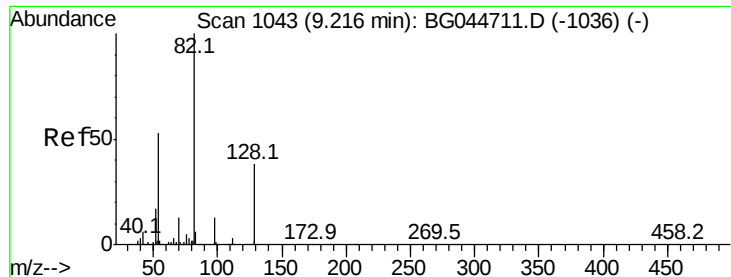
Tot Ion: 70 Resp: 112180
Ion Ratio Lower Upper
70 100
42 44.4 47.6 71.4#
101 0.0 6.5 9.7#
130 0.9 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

Tgt Ion: 136 Resp: 407112
Ion Ratio Lower Upper
136 100
137 10.7 10.7 16.1
54 10.1 9.0 13.4
68 6.2 5.9 8.9

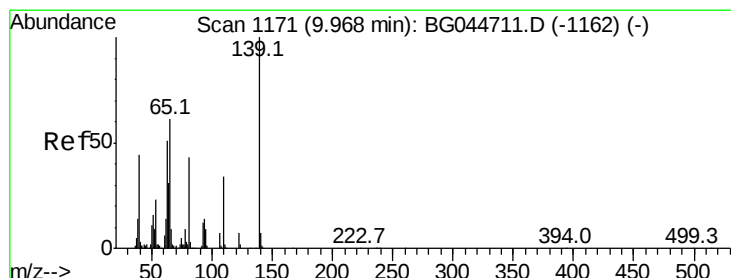
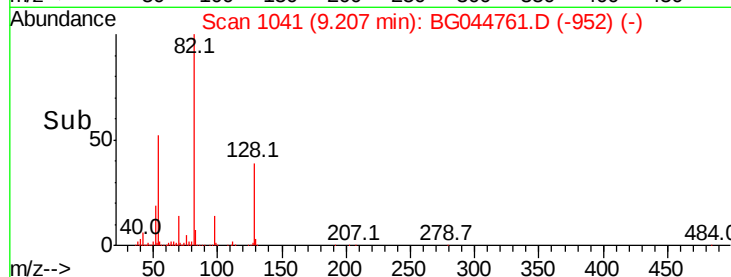
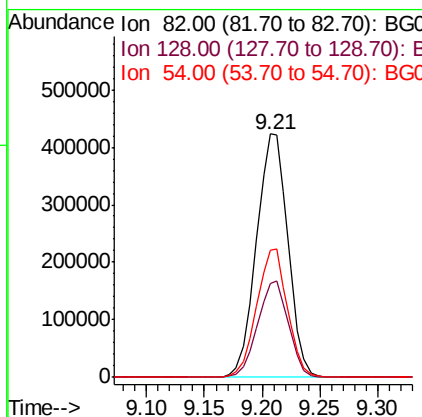
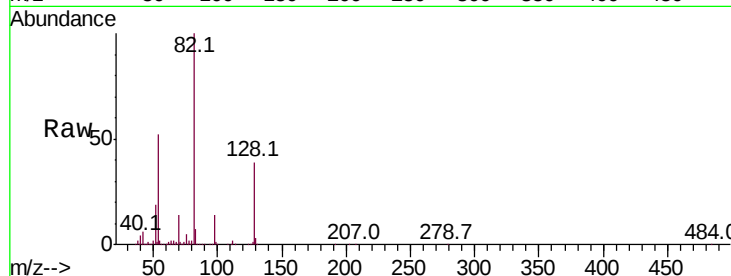




#23
Nitrobenzene-d5
Concen: 86.565 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

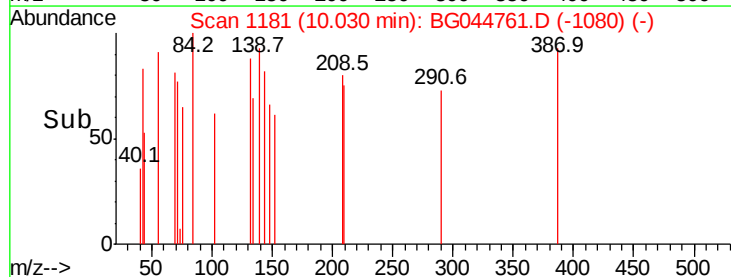
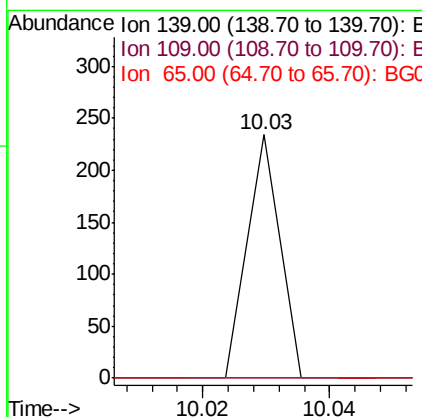
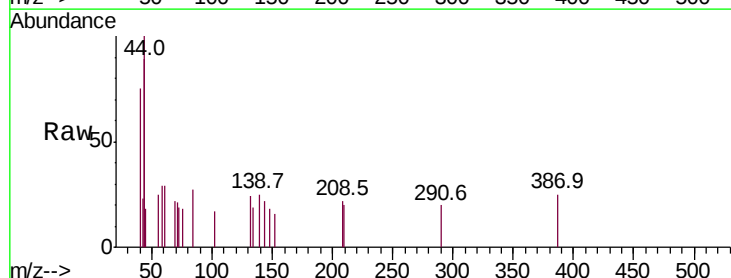
Instrument :
BNA_G
ClientSampled :

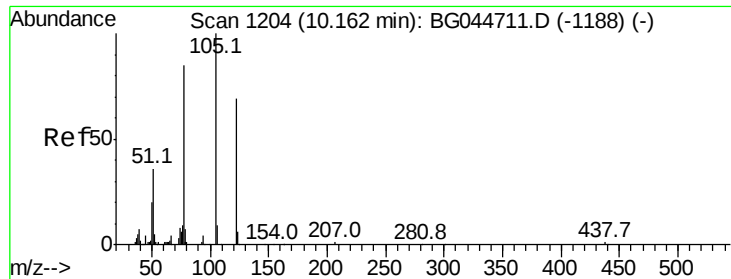
Tot Ion	82	Resp	803109
Ion Ratio	100	Lower	Upper
128	38.6	30.2	45.2
54	52.1	41.8	62.8



#26
2-Nitrophenol
Concen: 5.537 ng
RT: 10.03 min Scan# 1181
Delta R.T. 0.06 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

Tgt Ion	139	Resp	82
Ion Ratio	100	Lower	Upper
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#

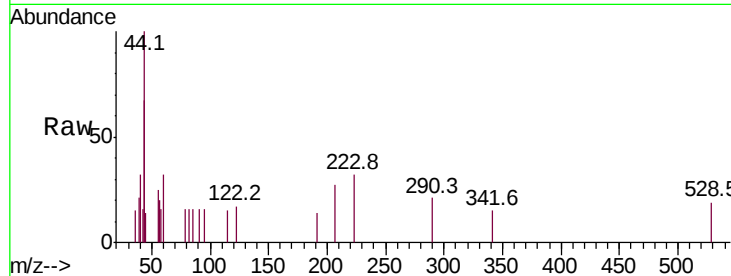




#32
Benzoic acid
Concen: 9.681 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

Instrument :
BNA_G
ClientSampled :

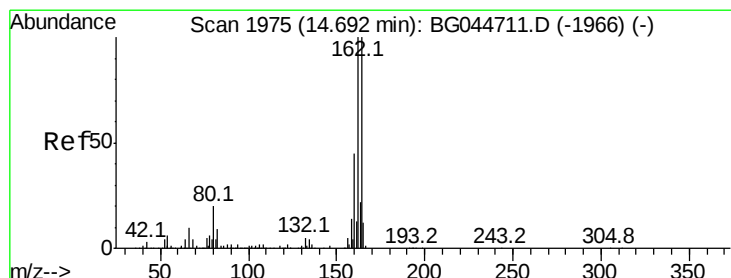
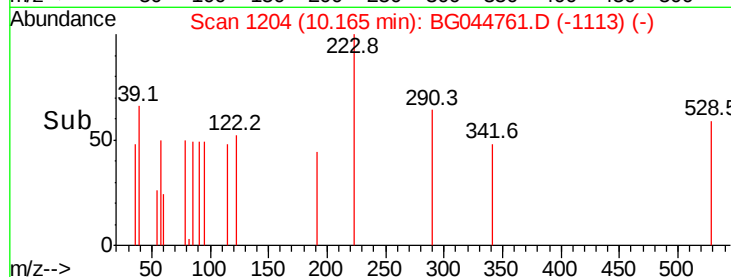
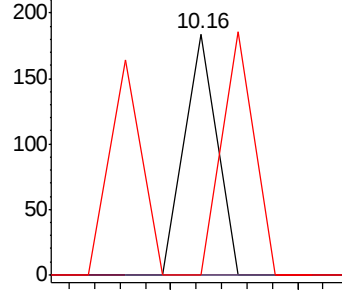
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#



Abundance Ion 122.00 (121.70 to 122.70): E

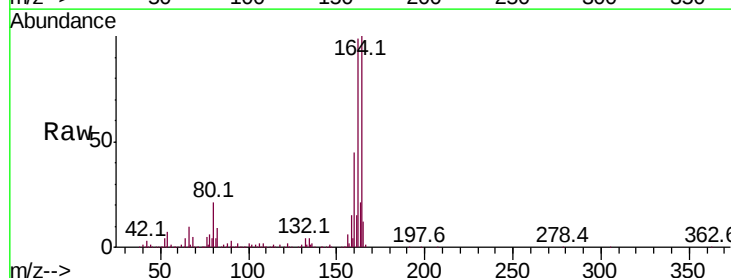
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

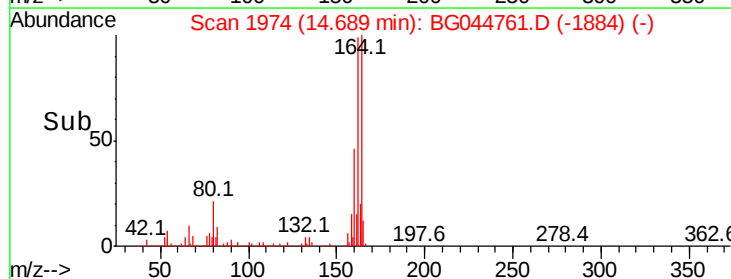
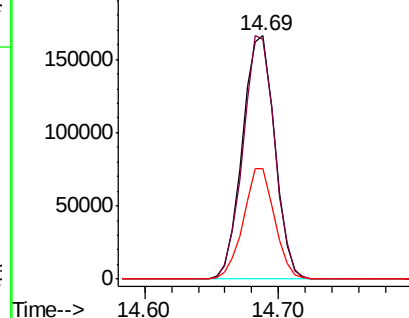
Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.2	120.4
160	45.4	36.2	54.2

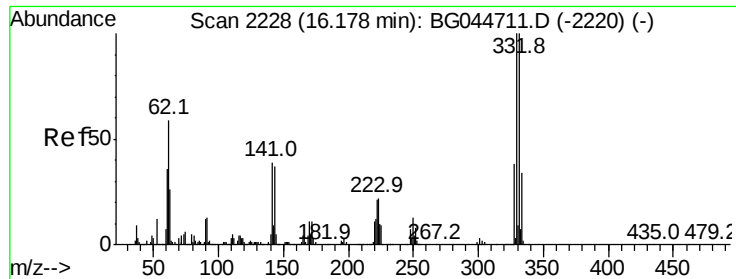


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

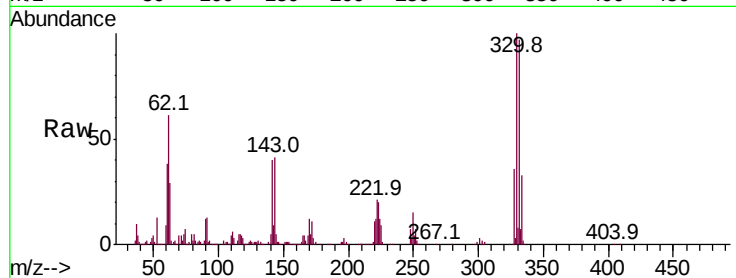




#42
 2,4,6-Tribromophenol
 Concen: 127.109 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG044761.D
 Acq: 13 Mar 2020 8:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.5	116.3
141	39.5	31.7	47.5

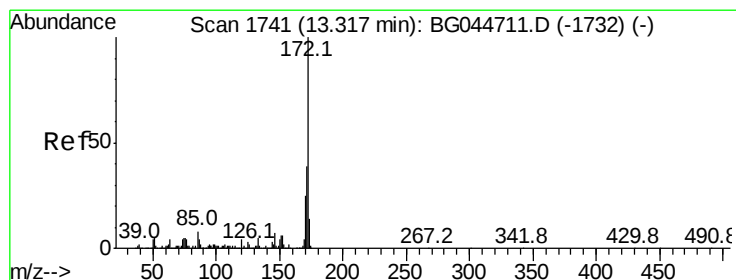
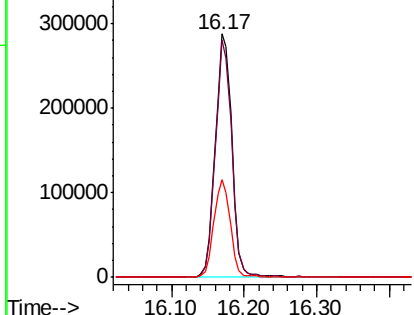
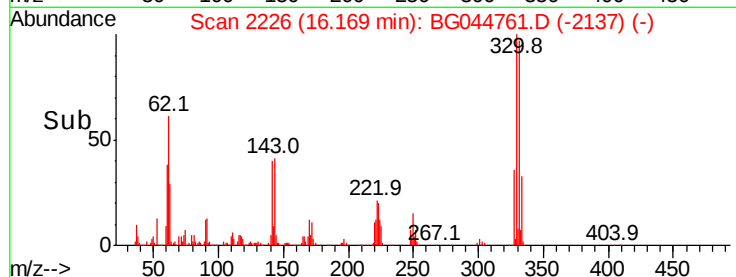


Abundance

Ion 329.80 (329.50 to 330.50): E

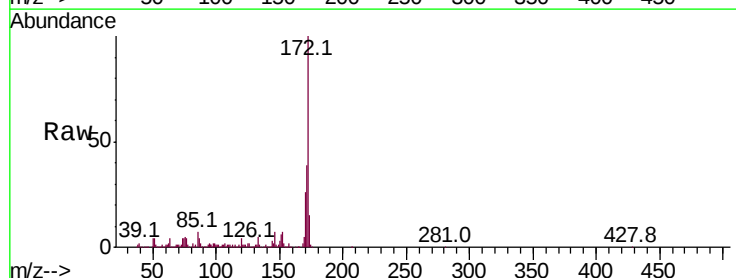
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 84.072 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG044761.D
 Acq: 13 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	30.8	46.2
170	25.6	20.0	30.0

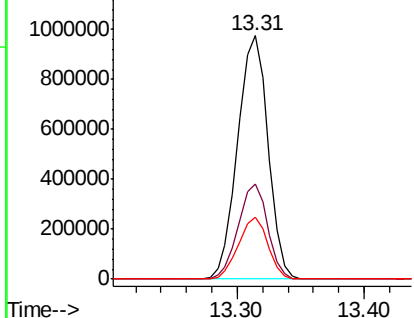
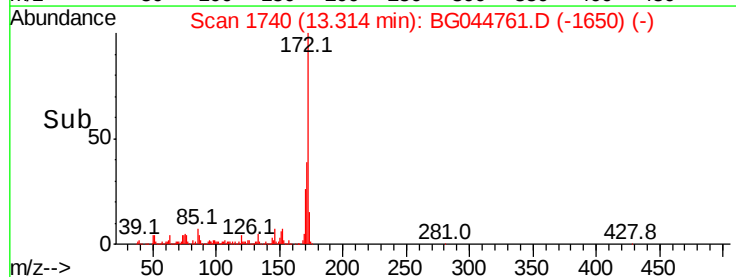


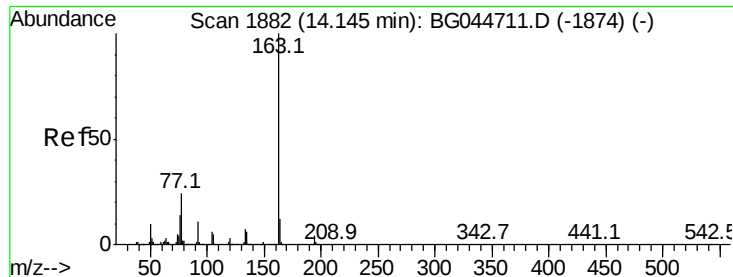
Abundance

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: 4.011 ng

RT: 14.14 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

Instrument :

BNA_G

ClientSampleId :

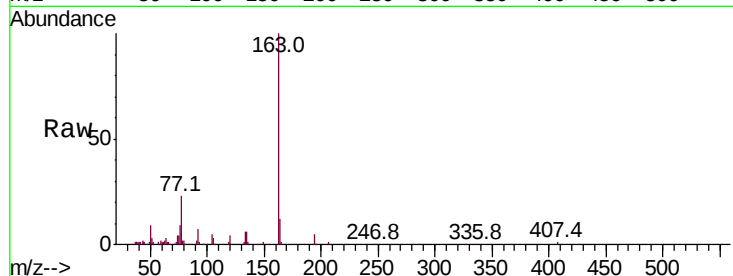
Tot Ion:163 Resp: 88416

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

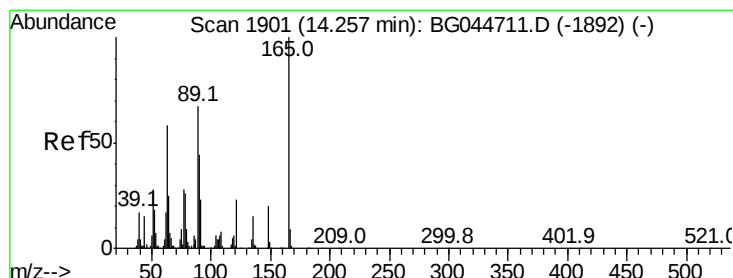
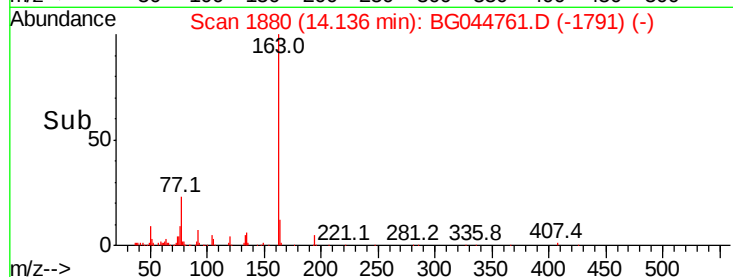
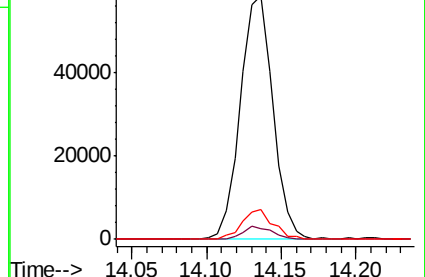
164 12.1 9.2 13.8



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



#51

2,6-Dinitrotoluene

Concen: 8.078 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.43 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

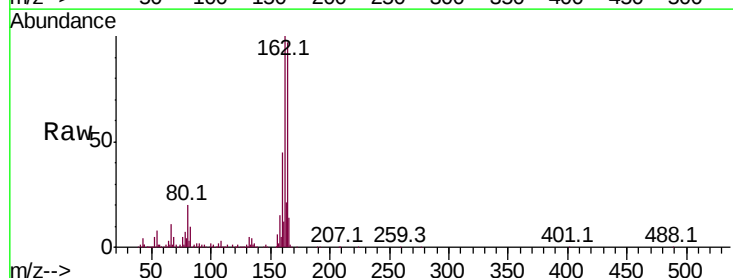
Tgt Ion:165 Resp: 35890

Ion Ratio Lower Upper

165 100

63 1.4 48.9 73.3#

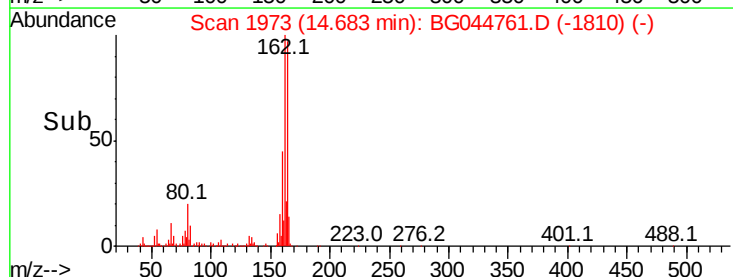
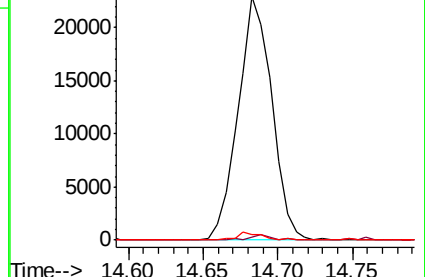
89 2.5 53.8 80.8#

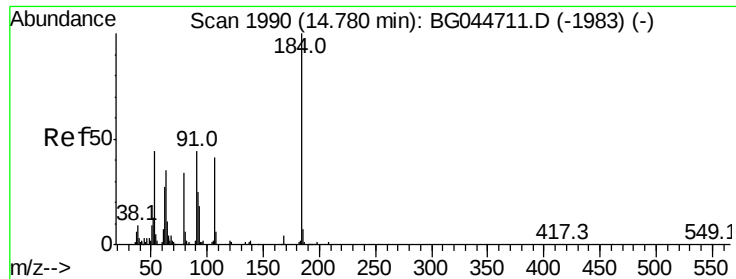


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

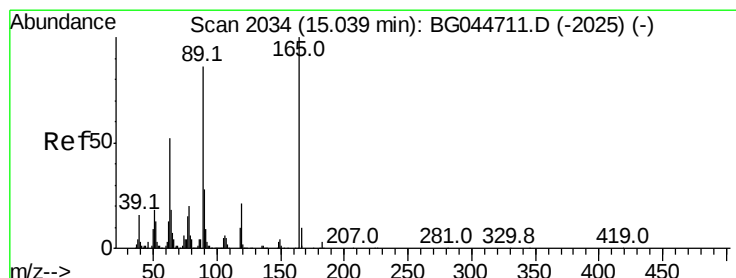
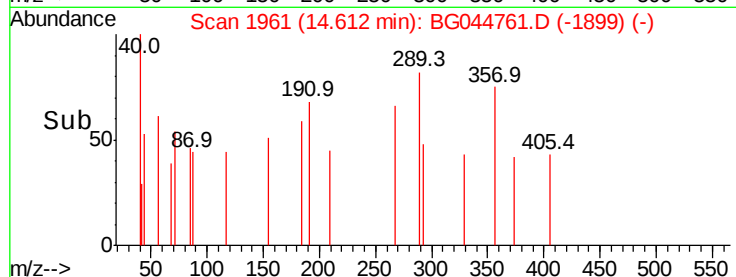
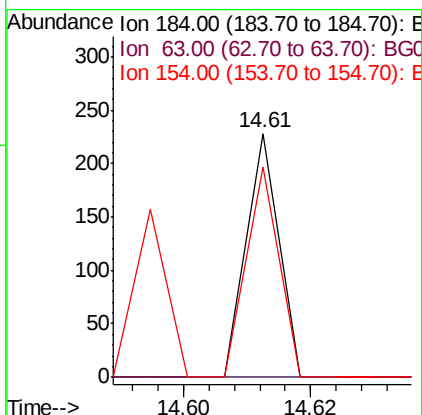
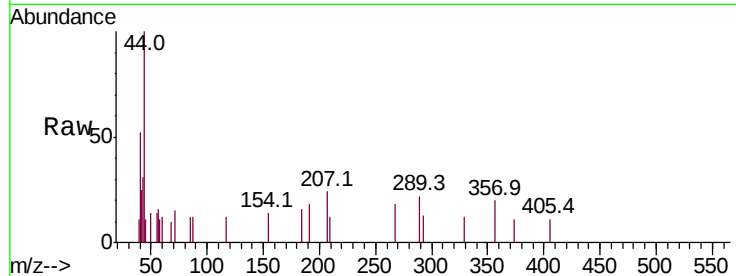




#54
2,4-Dinitrophenol
Concen: 8.354 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.17 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

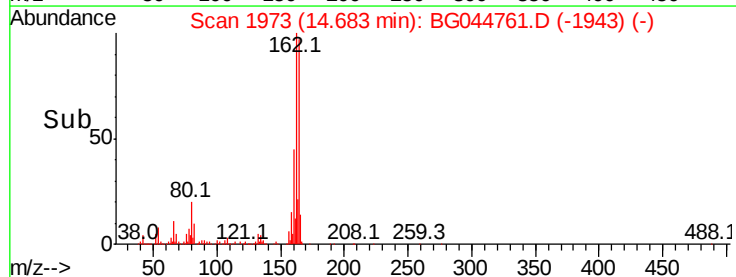
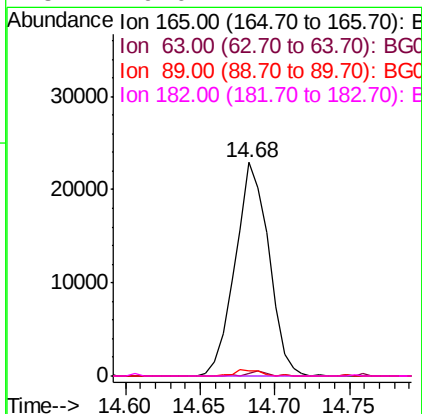
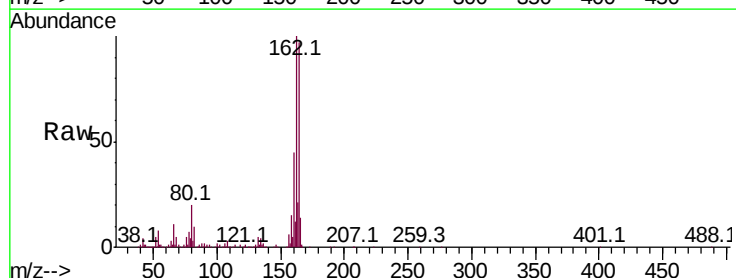
Instrument :
BNA_G
ClientSampleId :

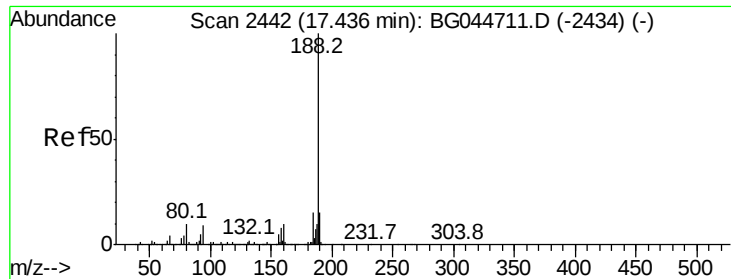
Tot Ion:184 Resp: 80
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 86.4 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.890 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.36 min
Lab File: BG044761.D
Acq: 13 Mar 2020 8:44

Tgt Ion:165 Resp: 35890
Ion Ratio Lower Upper
165 100
63 1.4 41.5 62.3#
89 2.5 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: BG044761.D

Acq: 13 Mar 2020 8:44

Instrument :

BNA_G

ClientSampled :

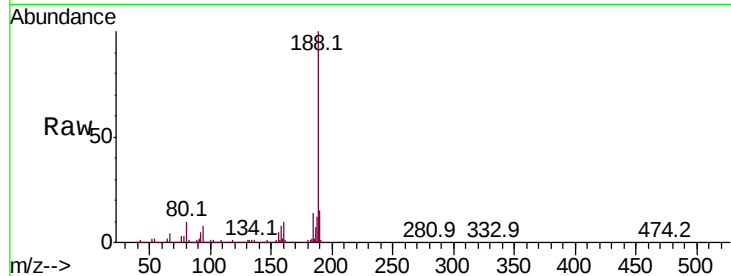
Tot Ion:188 Resp: 604794

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

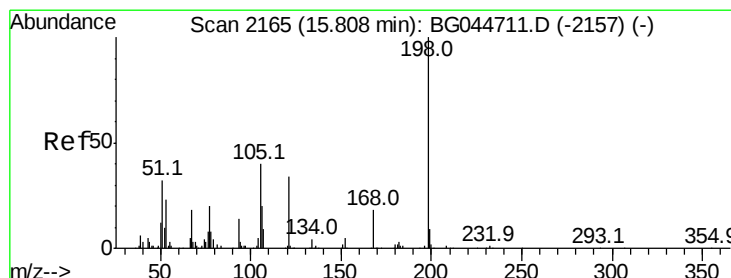
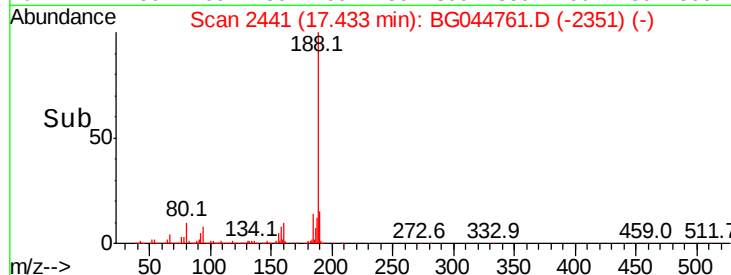
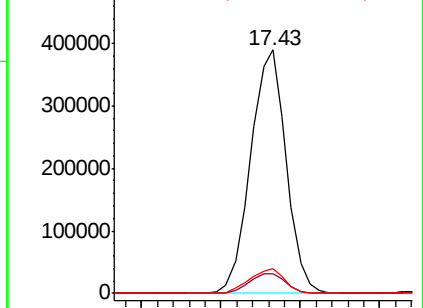
80 9.9 8.4 12.6



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: 7.752 ng

RT: 15.66 min Scan# 2139

Delta R.T. -0.15 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

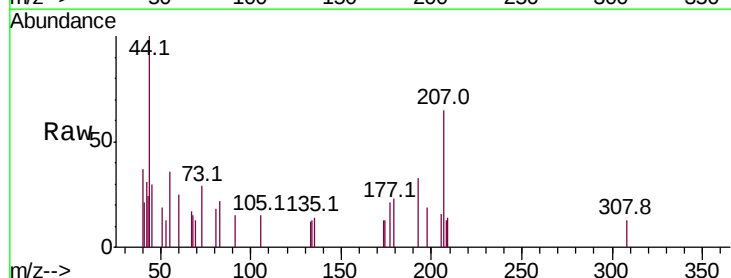
Tgt Ion:198 Resp: 80

Ion Ratio Lower Upper

198 100

51 102.2 20.1 60.1#

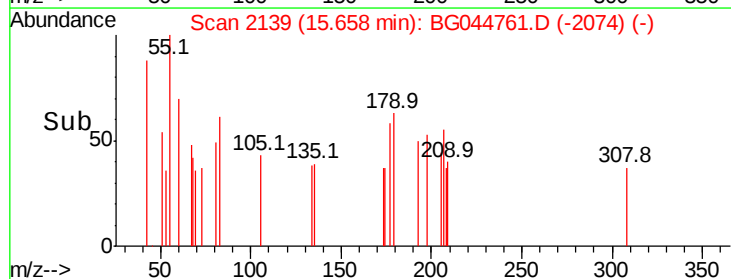
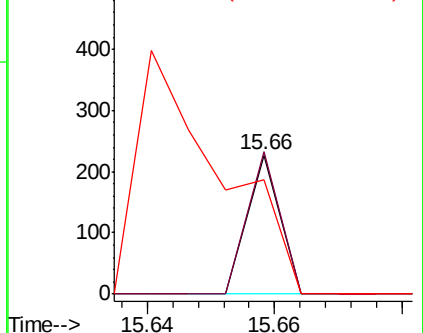
105 82.4 21.3 61.3#

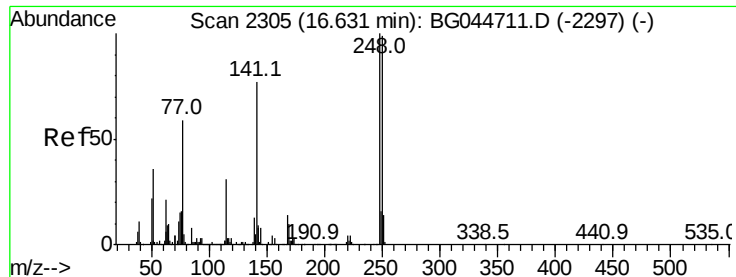


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.188 ng

RT: 16.18 min Scan# 2227

Delta R.T. -0.46 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

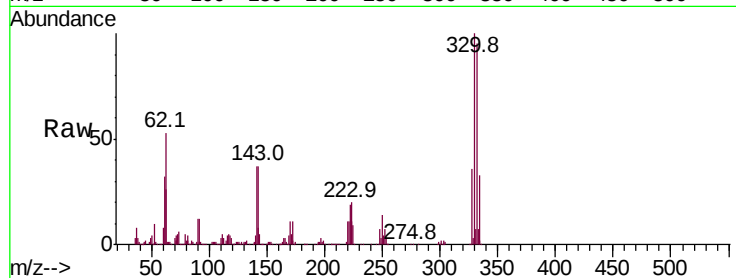
Instrument :

BNA_G

ClientSampleId :

Tot Ion:248 Resp: 31664

Ion	Ratio	Lower	Upper
248	100		
250	197.7	79.4	119.0#
141	506.1	61.7	92.5#

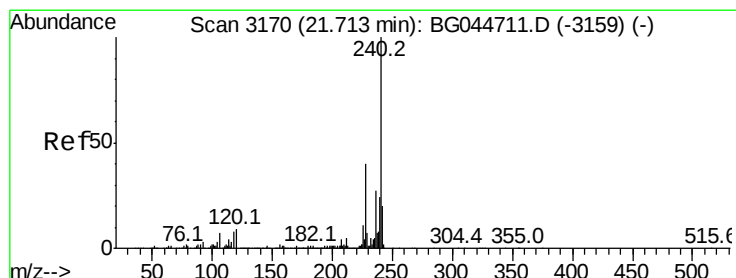
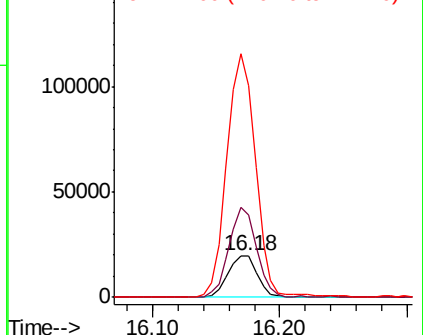
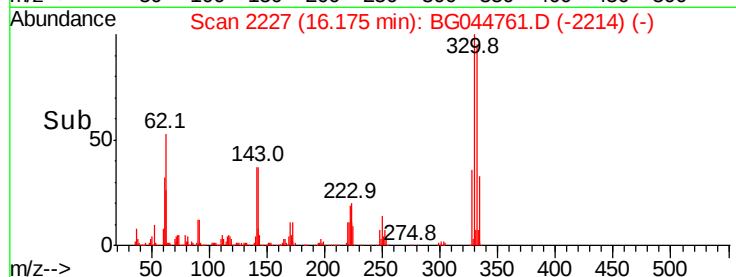


Abundance

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

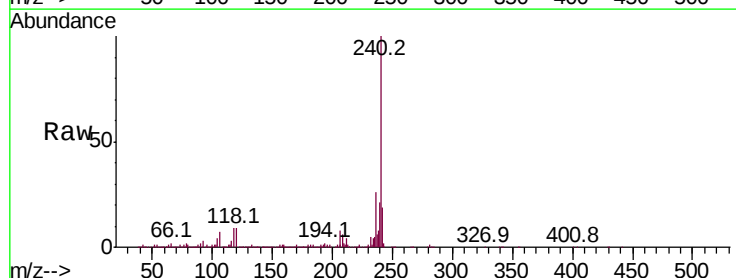
Delta R.T. -0.01 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

Tgt Ion:240 Resp: 549806

Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.9	10.3
236	25.6	21.9	32.9

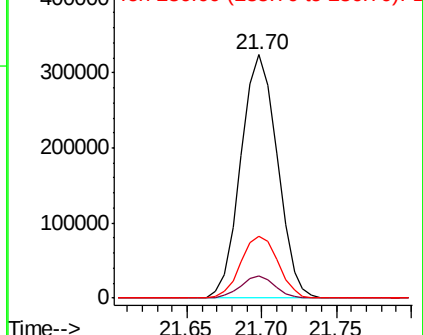
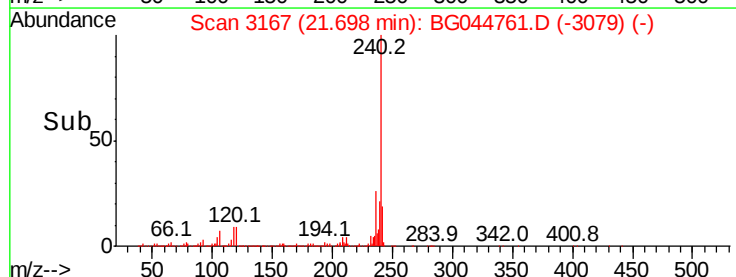


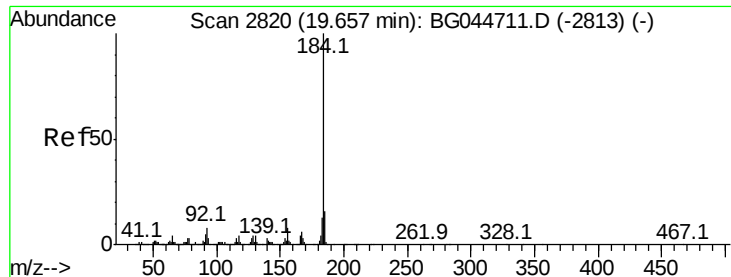
Abundance

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: 3.073 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

Instrument :

BNA_G

ClientSampled :

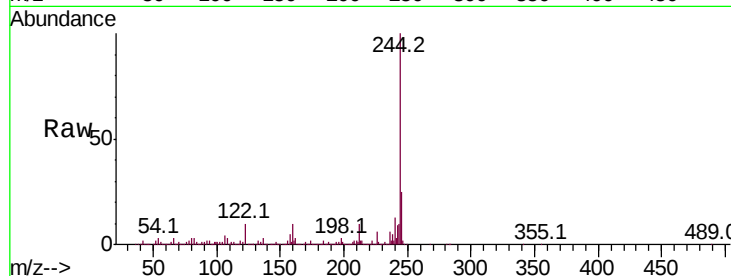
Tot Ion:184 Resp: 54855

Ion Ratio Lower Upper

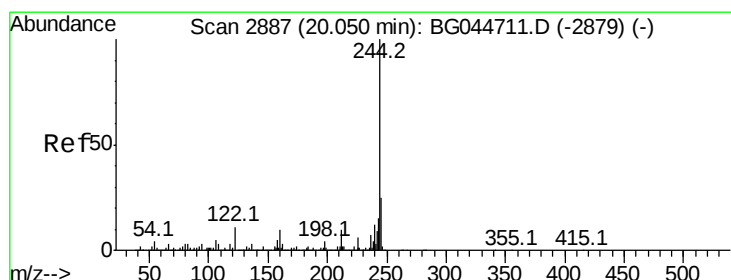
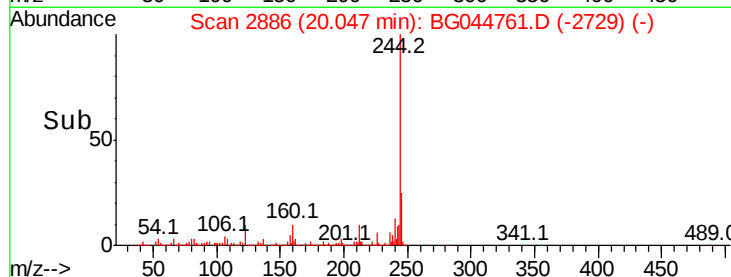
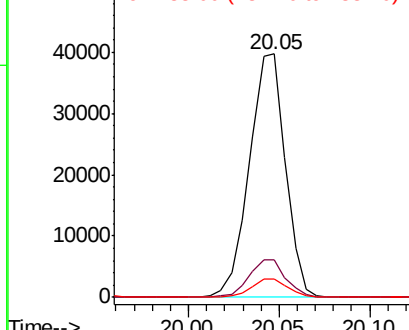
184 100

185 15.2 12.9 19.3

183 7.5 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: 86.106 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

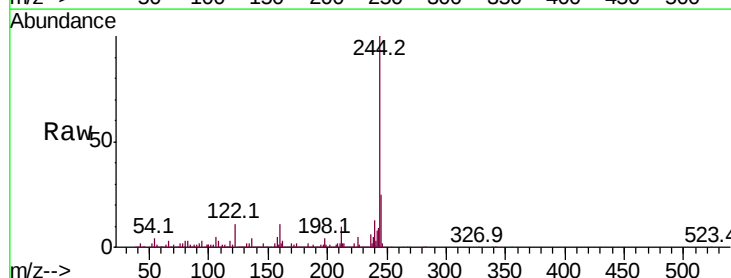
Tgt Ion:244 Resp: 2530890

Ion Ratio Lower Upper

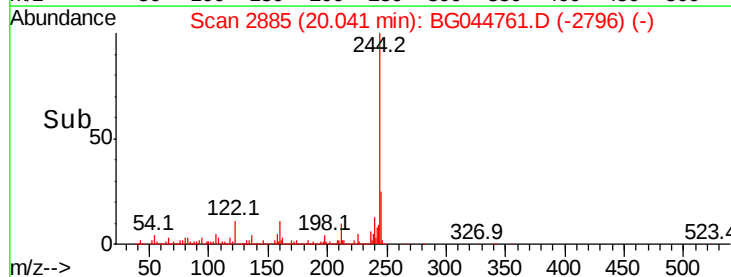
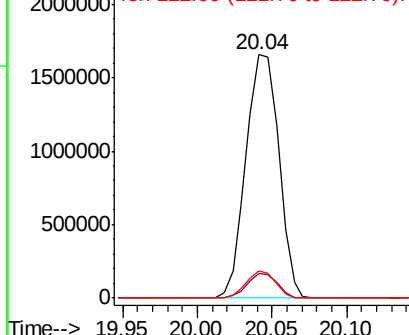
244 100

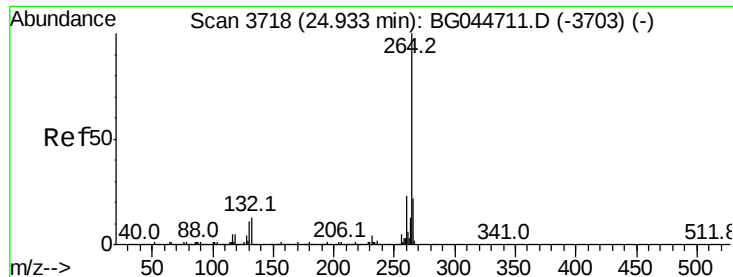
212 10.4 8.4 12.6

122 11.1 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# 3715

Delta R.T. -0.01 min

Lab File: BG044761.D

Acq: 13 Mar 2020 8:44

Instrument :

BNA_G

ClientSampleId :

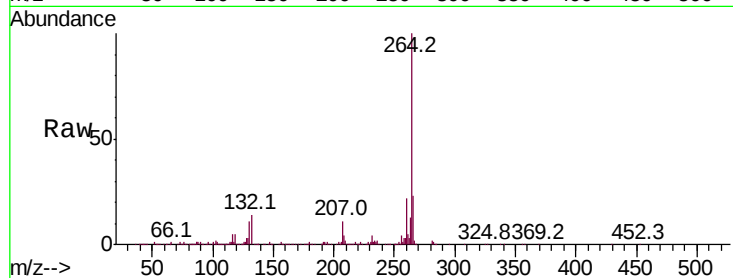
Tot Ion:264 Resp: 619661

Ion Ratio Lower Upper

264 100

260 22.4 18.4 27.6

265 22.8 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

