

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045938.D
 Acq On : 3 Jul 2020 8:07
 Operator : CG/JU
 Sample : L3171-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RECLAIM-SYSTEM

Quant Time: Jul 04 00:13:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 14:02:29 2020
 Response via : Initial Calibration

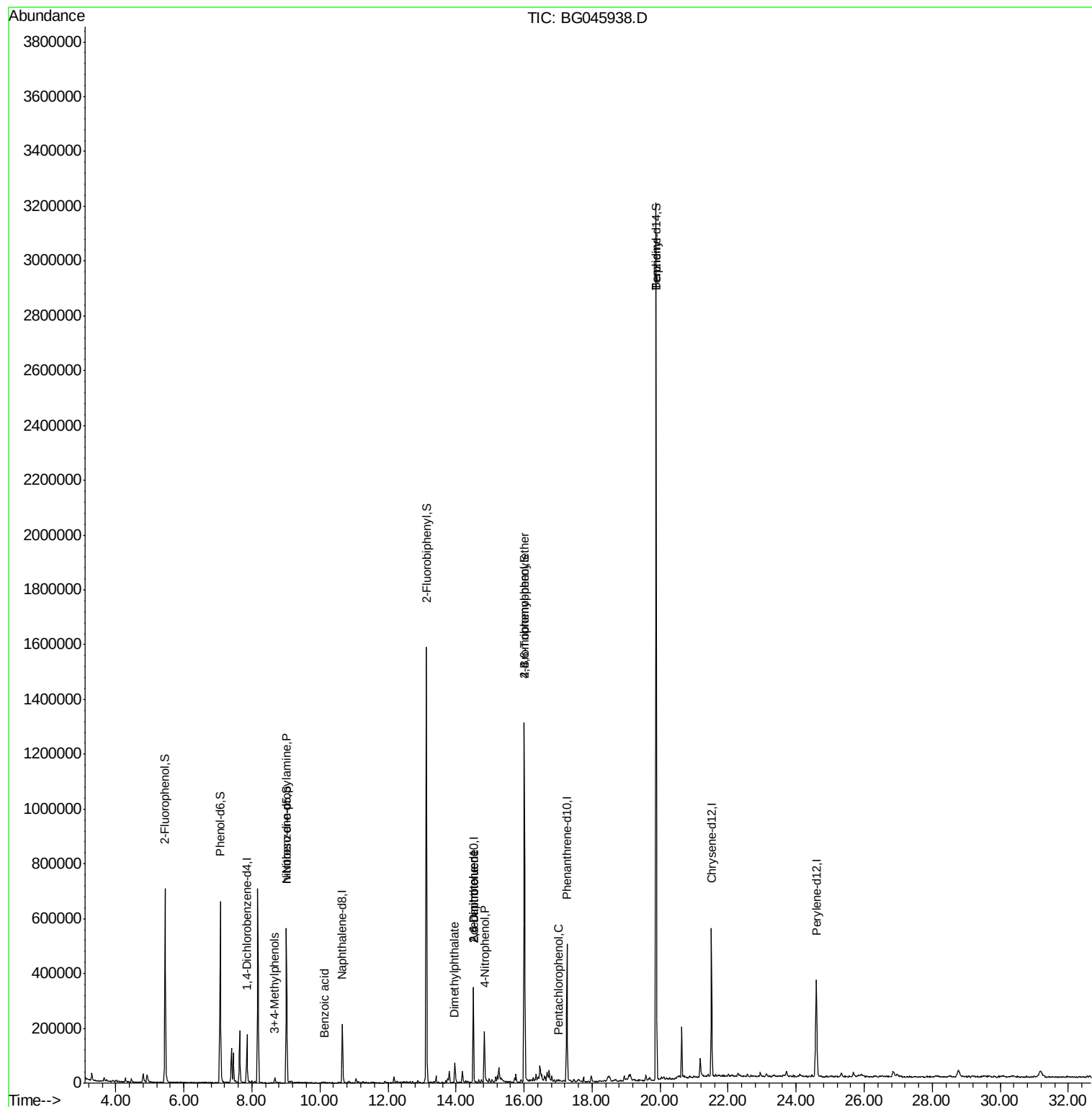
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	47670	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	184890	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	124827	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	289540	20.00	ng	0.00
76) Chrysene-d12	21.51	240	331205	20.00	ng	0.00
86) Perylene-d12	24.59	264	356187	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	341233	120.92	ng	0.00
7) Phenol-d6	7.07	99	435006	101.34	ng	0.00
23) Nitrobenzene-d5	9.02	82	376438	93.01	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	266190	141.25	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	821512	96.71	ng	0.00
79) Terphenyl-d14	19.88	244	1519557	92.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.02	70	53769	19.053	ng	# 81
20) 3+4-Methylphenols	8.67	107	9462	2.324	ng	# 63
32) Benzoic acid	10.12	122	59	9.005	ng	# 1
50) Dimethylphthalate	13.96	163	47278	4.835	ng	# 97
51) 2,6-Dinitrotoluene	14.51	165	16681	7.595	ng	# 26
56) 4-Nitrophenol	14.84	139	73	4.017	ng	# 1
57) 2,4-Dinitrotoluene	14.51	165	16681	5.301	ng	# 22
67) 4-Bromophenyl-phenylether	16.01	248	18475	4.911	ng	# 1
70) Pentachlorophenol	17.02	266	73	7.667	ng	# 20
77) Benzidine	19.88	184	29312	3.404	ng	# 90

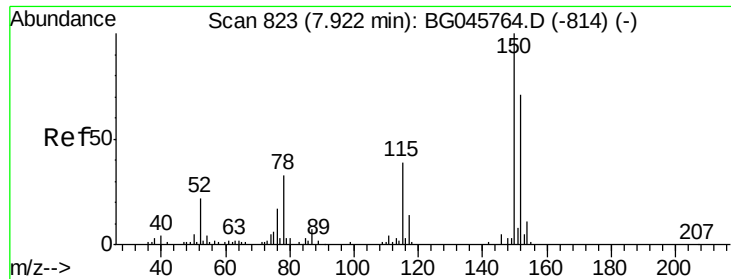
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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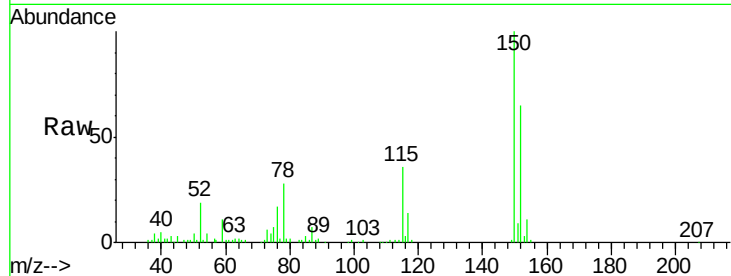


#1

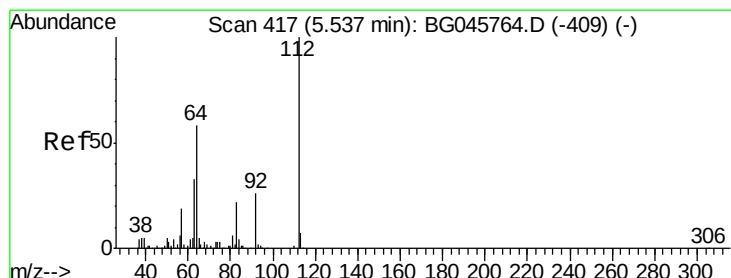
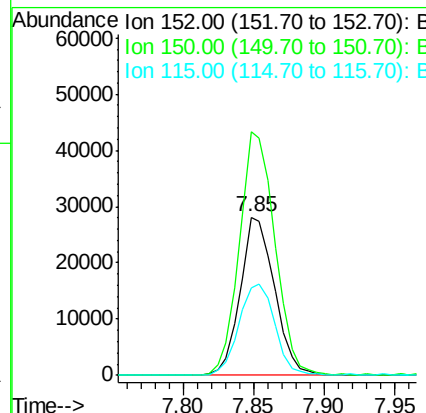
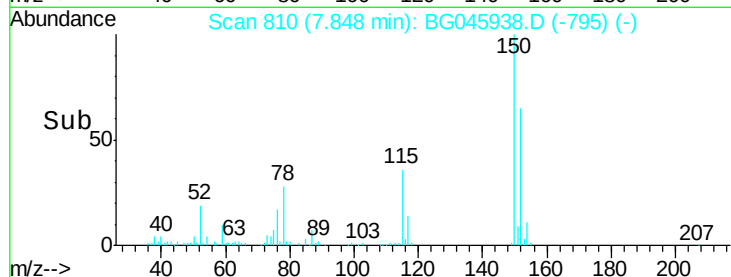
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM

Tot Ion:152 Resp: 47670
Ion Ratio Lower Upper
152 100
150 154.0 124.5 186.7
115 55.3 45.8 68.8



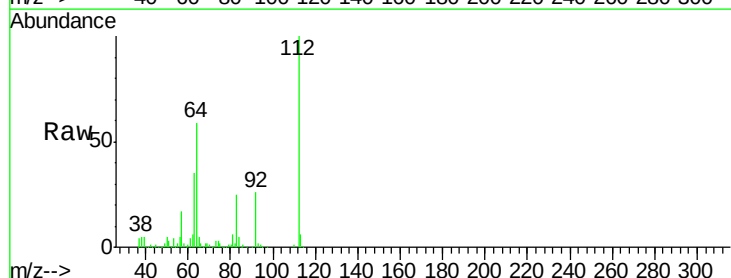
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



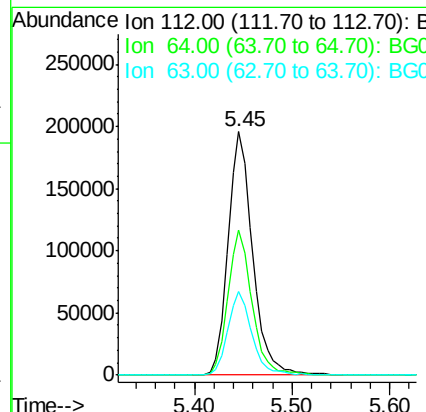
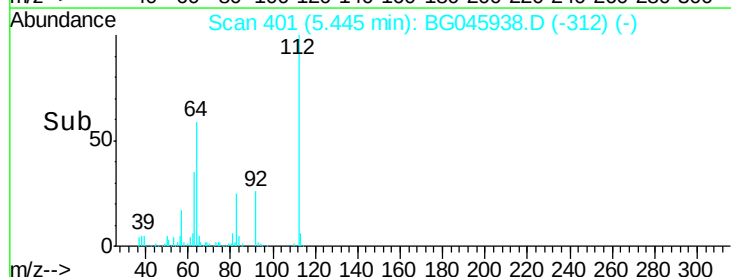
#5

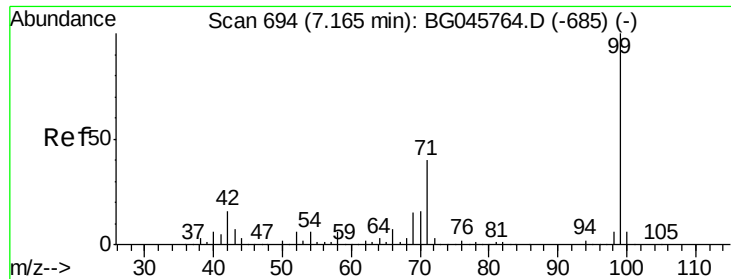
2-Fluorophenol
Concen: 120.919 ng
RT: 5.45 min Scan# 401
Delta R.T. -0.01 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

Tgt Ion:112 Resp: 341233
Ion Ratio Lower Upper
112 100
64 59.4 44.9 67.3
63 34.5 26.9 40.3



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





#7

Phenol-d6

Concen: 101.341 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM

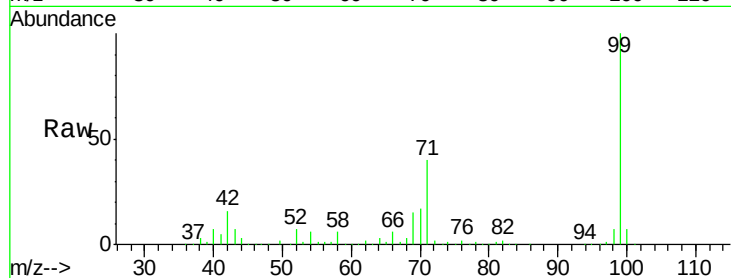
Tot Ion: 99 Resp: 435006

Ion Ratio Lower Upper

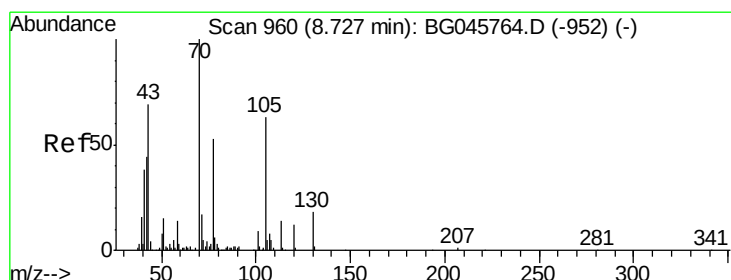
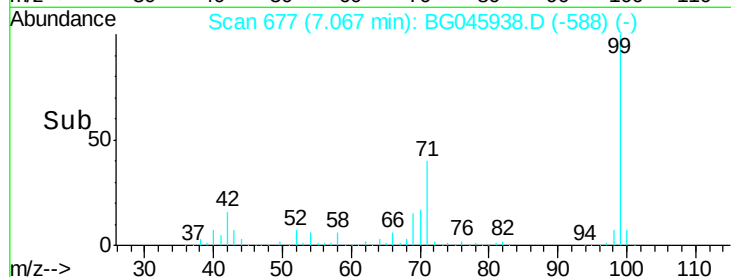
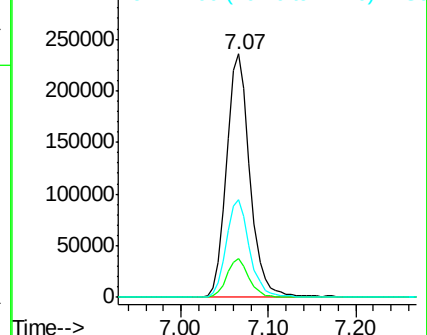
99 100

42 15.8 11.8 17.8

71 40.3 31.0 46.6



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: 19.053 ng

RT: 9.02 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

Tgt Ion: 70 Resp: 53769

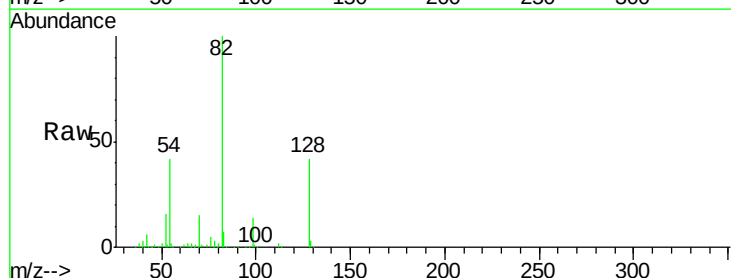
Ion Ratio Lower Upper

70 100

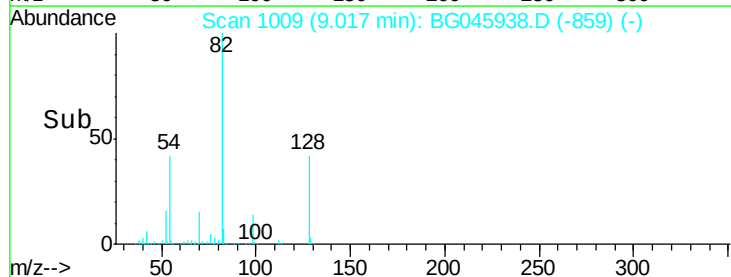
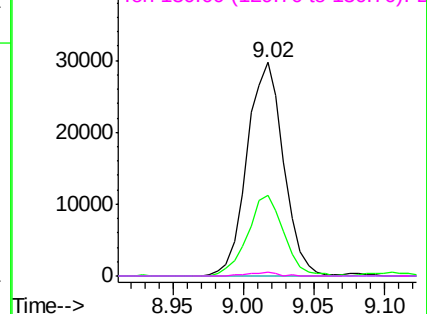
42 37.5 35.6 53.4

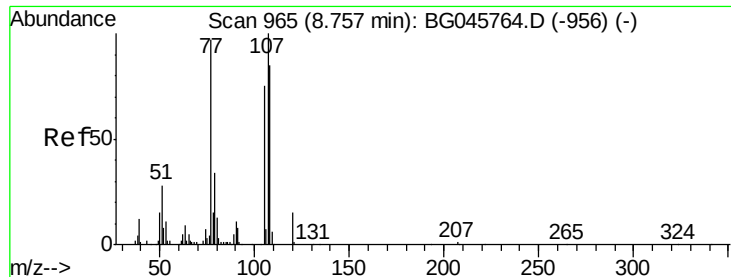
101 0.0 6.6 10.0#

130 1.6 14.8 22.2#



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





#20

3+4-Methylphenols

Concen: 2.324 ng

RT: 8.67 min Scan# 950

Delta R.T. -0.00 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM

Tot Ion:107 Resp: 9462

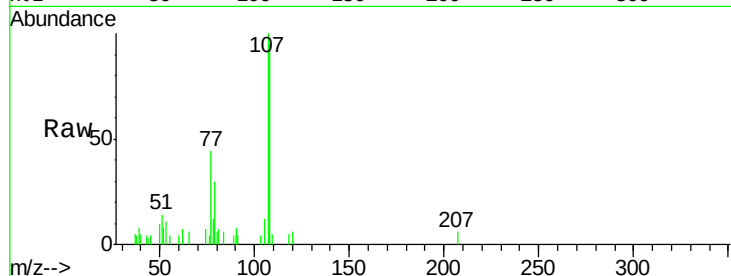
Ion Ratio Lower Upper

107 100

108 94.8 69.4 109.4

77 43.8 101.0 141.0#

79 29.6 14.4 54.4

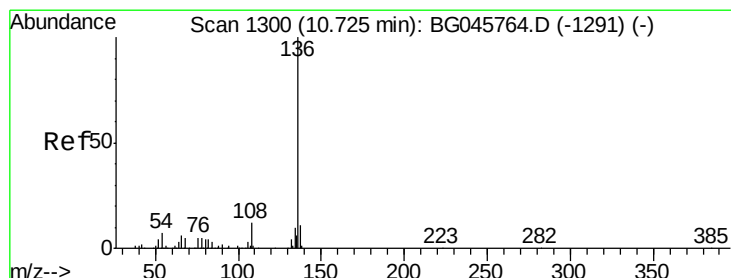
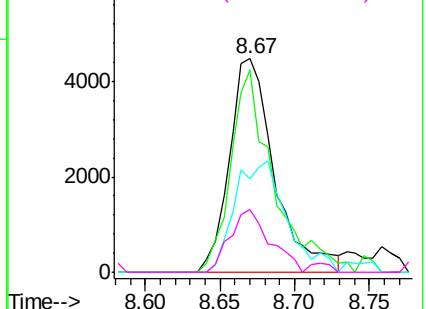
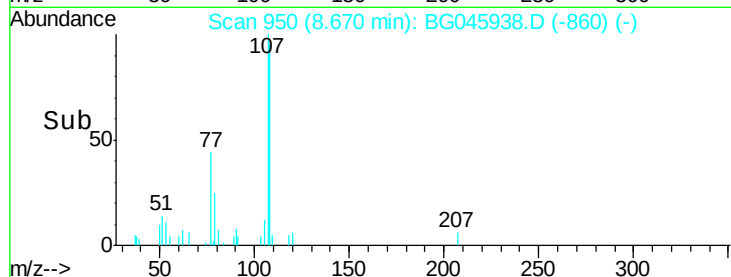


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

Tgt Ion:136 Resp: 184890

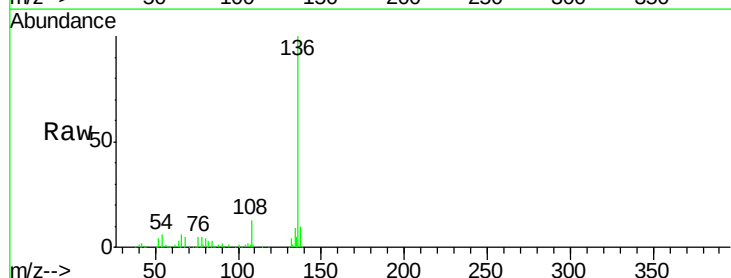
Ion Ratio Lower Upper

136 100

137 9.9 8.2 12.4

54 6.3 4.6 7.0

68 4.8 5.0 7.4#

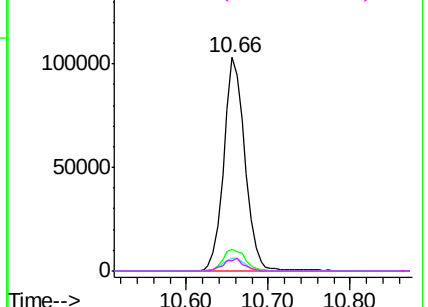
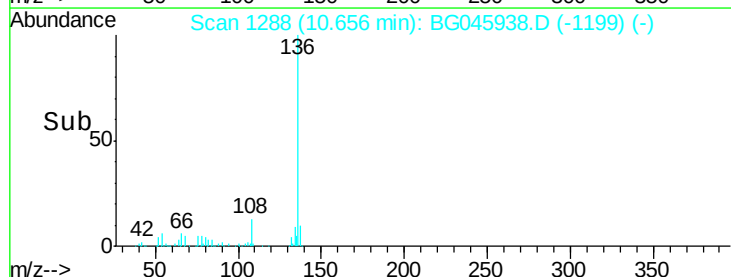


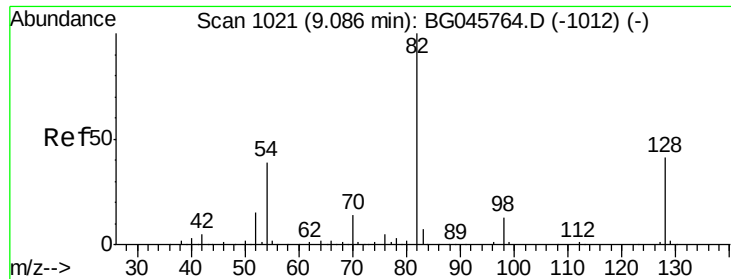
Abundance Ion 136.00 (135.70 to 136.70): E

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

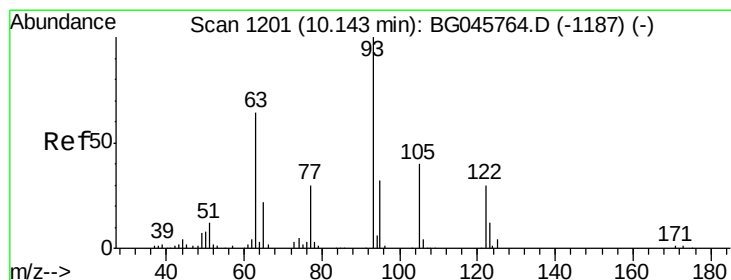
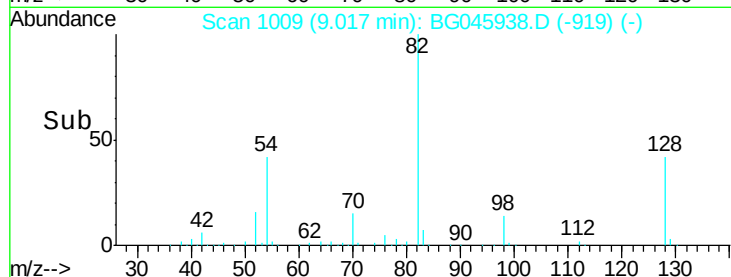
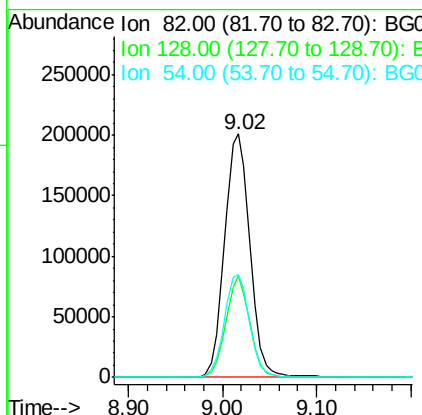
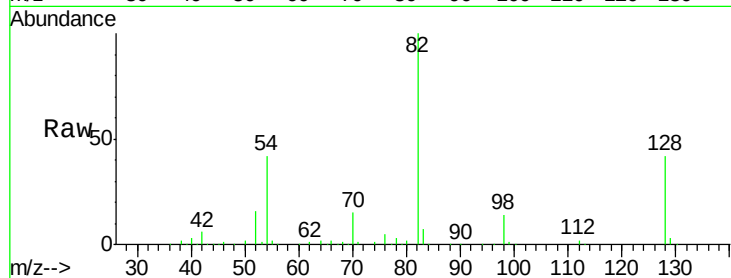




#23
Nitrobenzene-d5
Concen: 93.012 ng
RT: 9.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

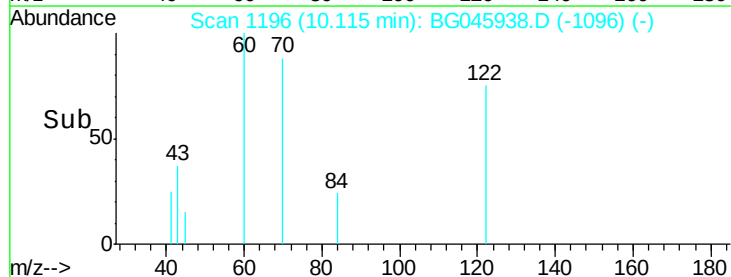
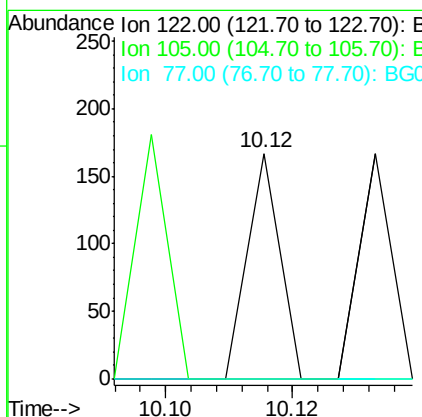
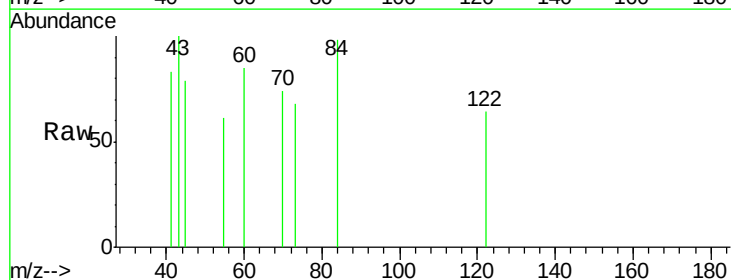
Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM

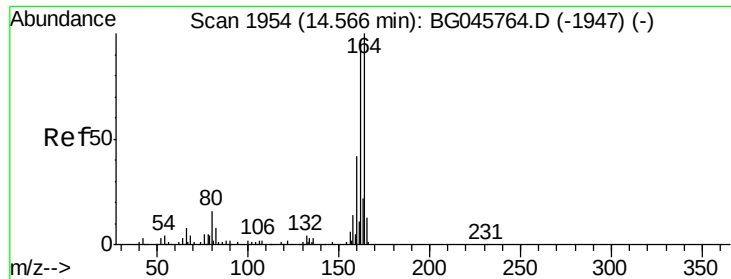
Tot Ion: 82 Resp: 376438
Ion Ratio Lower Upper
82 100
128 41.6 29.9 44.9
54 42.4 33.3 49.9



#32
Benzoic acid
Concen: 9.005 ng
RT: 10.12 min Scan# 1196
Delta R.T. 0.06 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 0.0 123.1 163.1#
77 0.0 93.9 133.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM

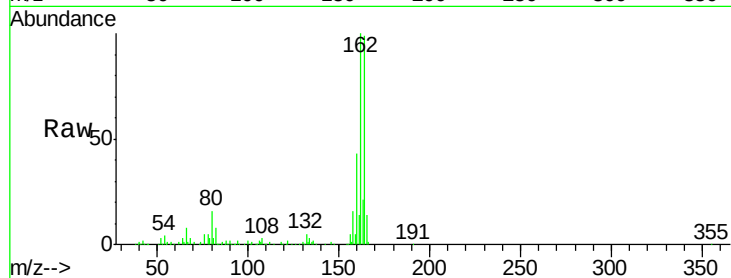
Tot Ion:164 Resp: 124827

Ion Ratio Lower Upper

164 100

162 100.7 78.8 118.2

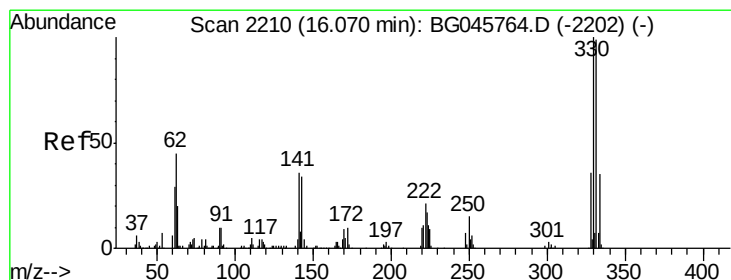
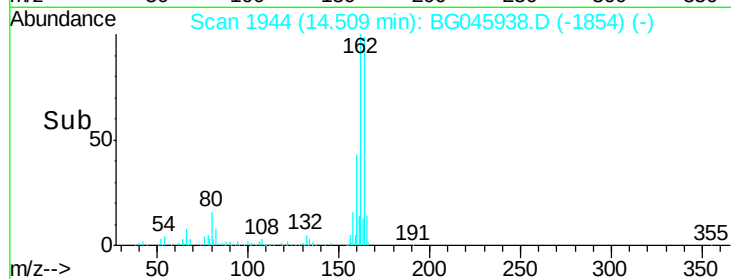
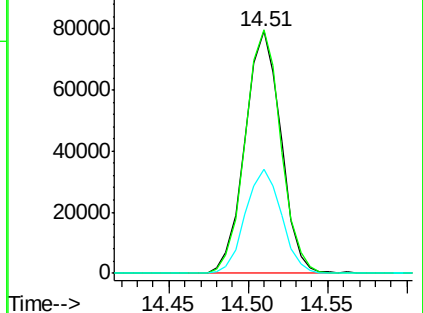
160 43.1 33.8 50.6



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: 141.248 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

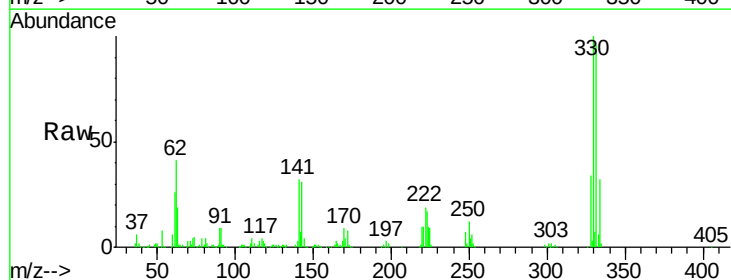
Tgt Ion:330 Resp: 266190

Ion Ratio Lower Upper

330 100

332 97.0 79.4 119.0

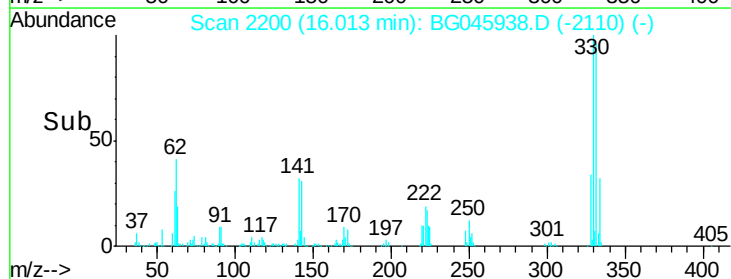
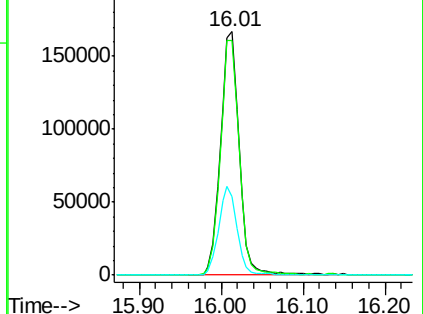
141 35.7 28.2 42.2

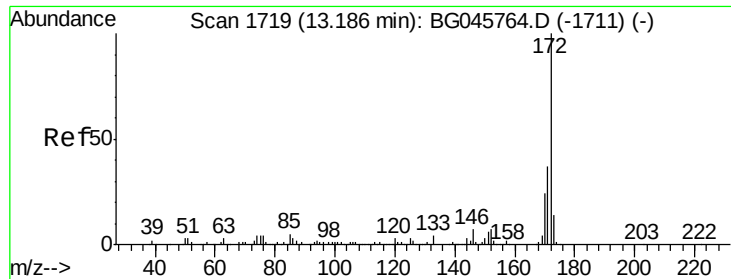


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

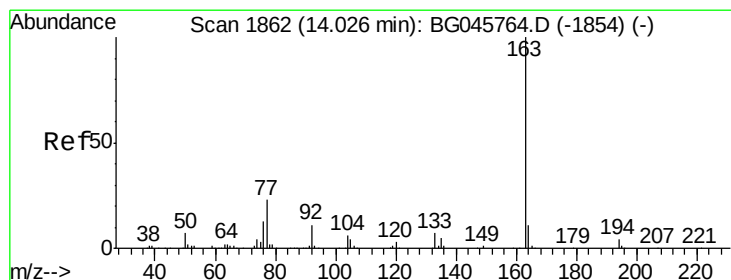
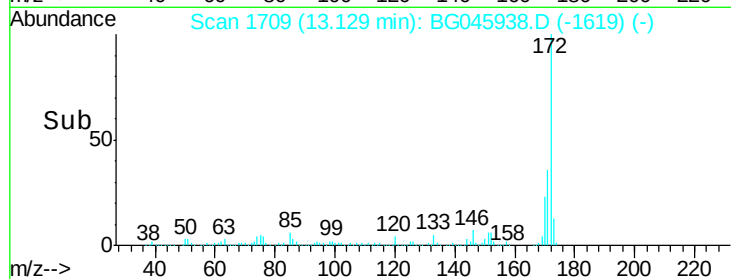
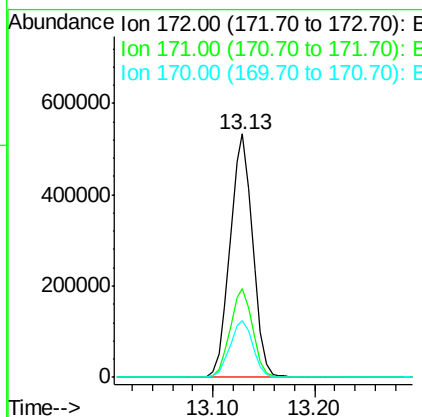
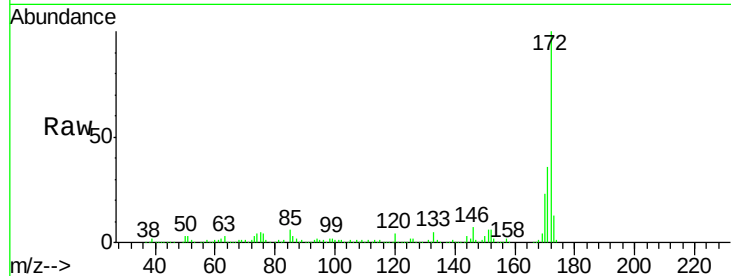




#45
2-Fluorobiphenyl
Concen: 96.715 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

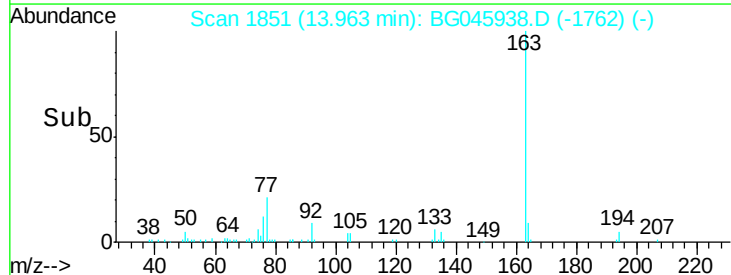
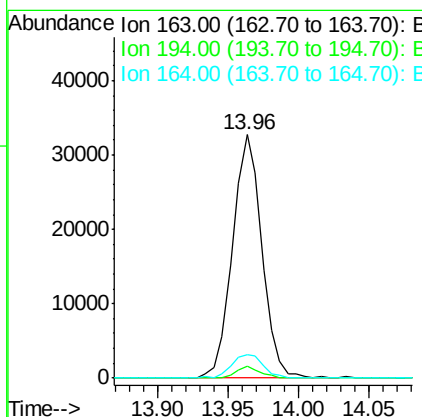
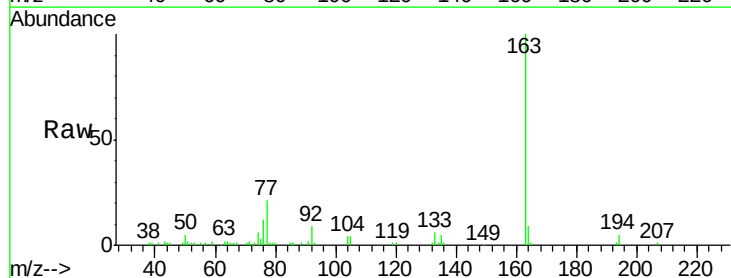
Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM

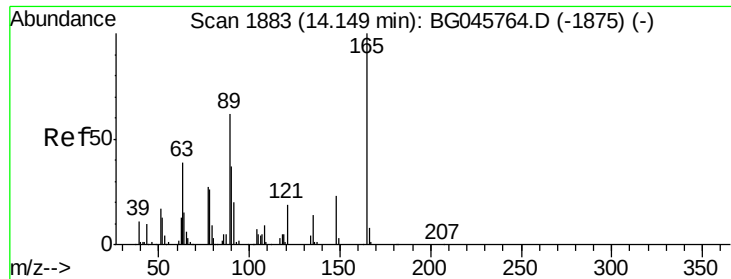
Tot Ion:172 Resp: 821512
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 23.3 18.9 28.3



#50
Dimethylphthalate
Concen: 4.835 ng
RT: 13.96 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

Tgt Ion:163 Resp: 47278
Ion Ratio Lower Upper
163 100
194 5.0 3.5 5.3
164 9.5 8.7 13.1





#51

2,6-Dinitrotoluene

Concen: 7.595 ng

RT: 14.51 min Scan# 1944

Delta R.T. 0.41 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM

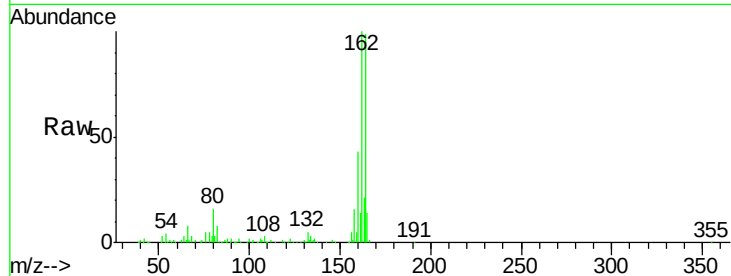
Tot Ion:165 Resp: 16681

Ion Ratio Lower Upper

165 100

63 0.0 41.4 62.2#

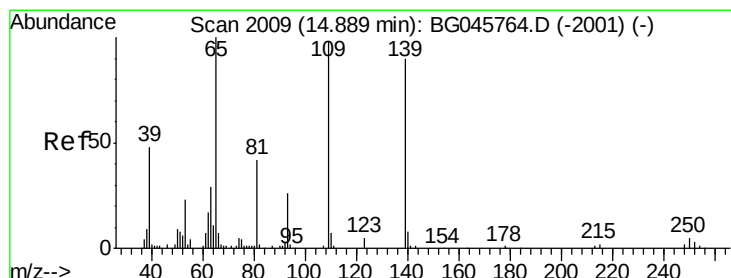
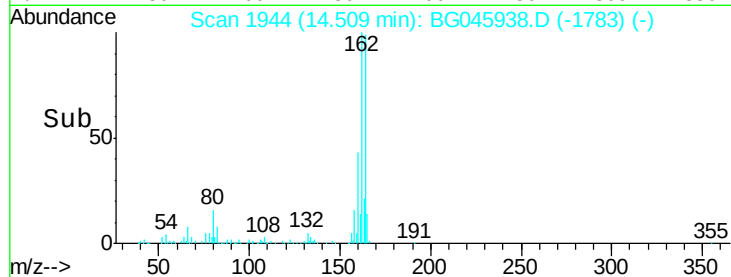
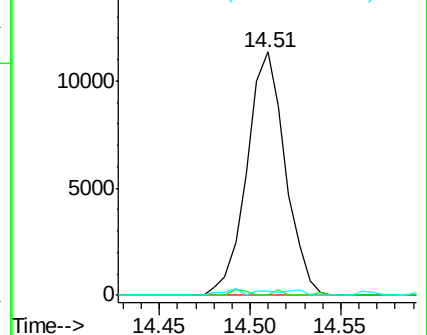
89 1.6 45.4 68.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

4-Nitrophenol

Concen: 4.017 ng

RT: 14.84 min Scan# 2000

Delta R.T. 0.04 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

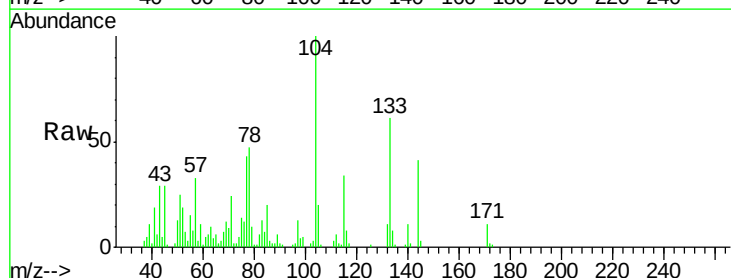
Tgt Ion:139 Resp: 73

Ion Ratio Lower Upper

139 100

109 0.0 79.2 119.2#

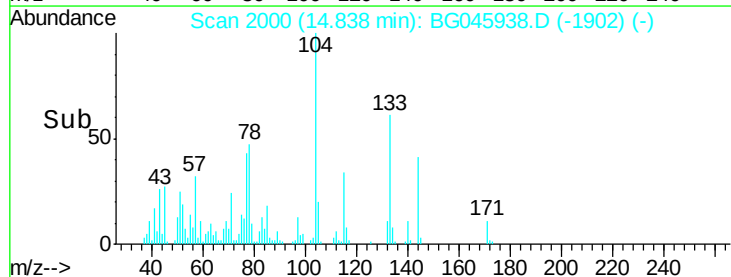
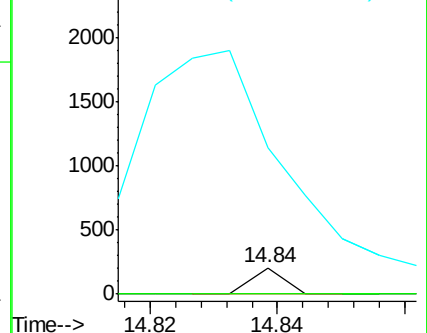
65 556.8 91.0 131.0#

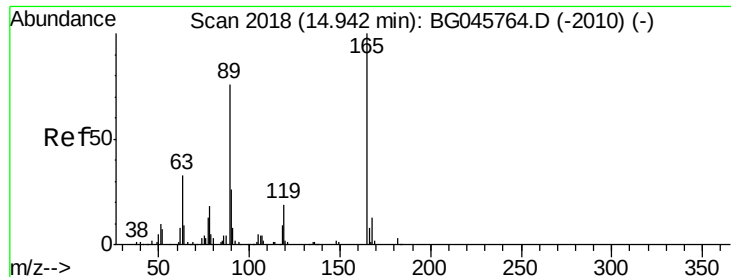


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

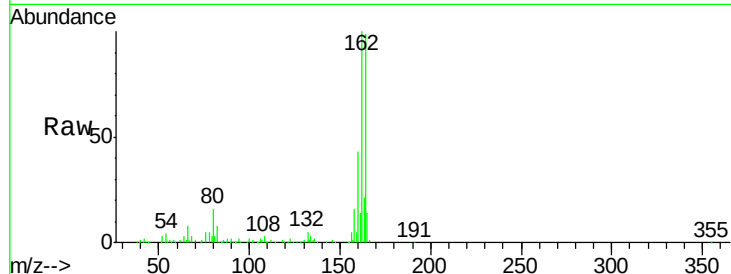




#57
 2,4-Dinitrotoluene
 Concen: 5.301 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.38 min
 Lab File: BG045938.D
 Acq: 3 Jul 2020 8:07

Instrument :
 BNA_G
 ClientSampleId :
 RECLAIM-SYSTEM

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.5	51.7#
89	1.6	60.8	91.2#
182	0.0	2.3	3.5#

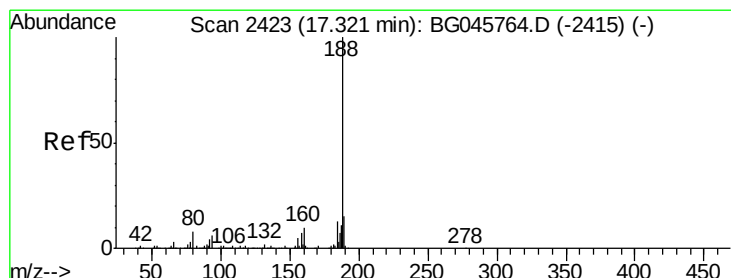
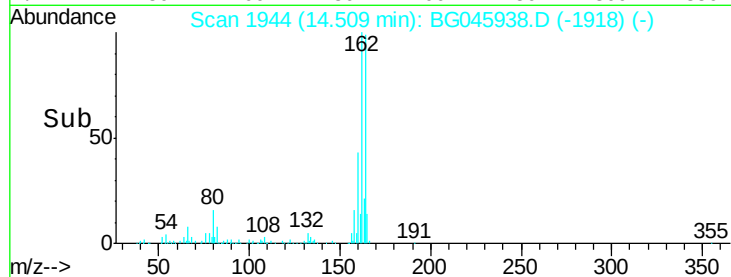
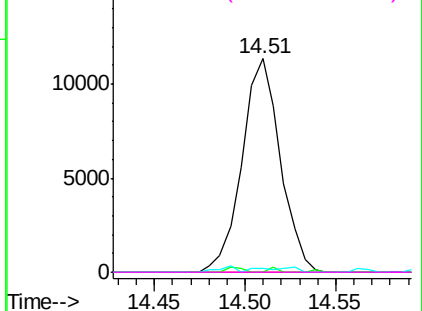


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

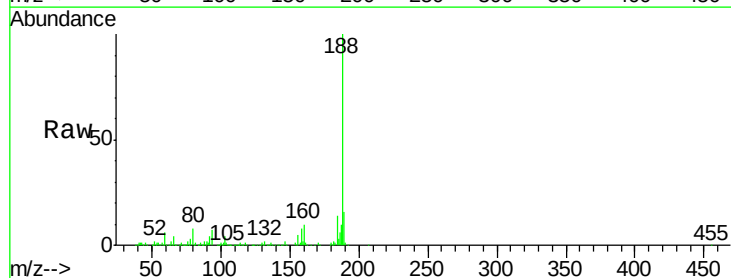
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.26 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG045938.D
 Acq: 3 Jul 2020 8:07

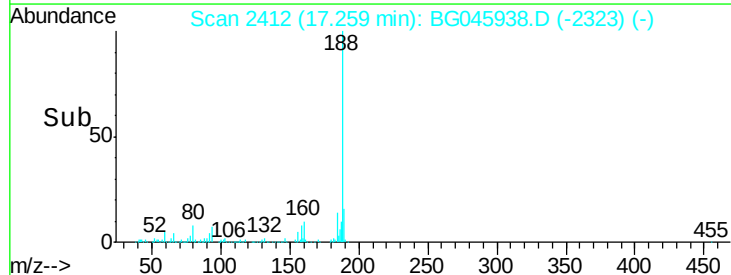
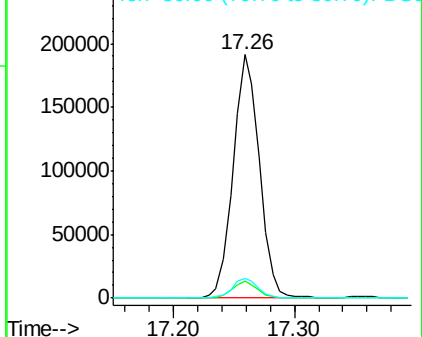
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.5	8.3
80	8.0	6.1	9.1

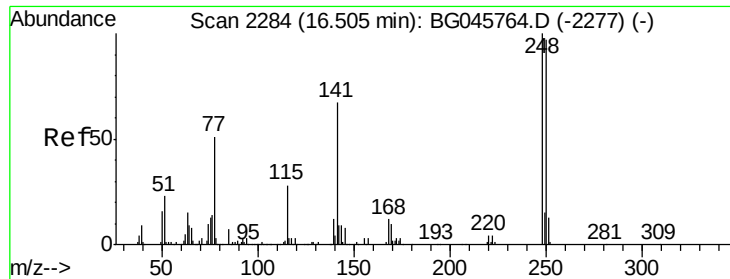


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

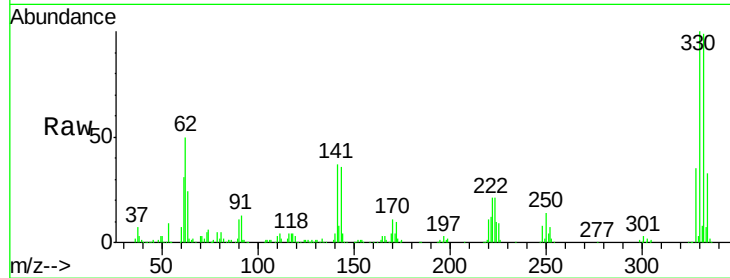




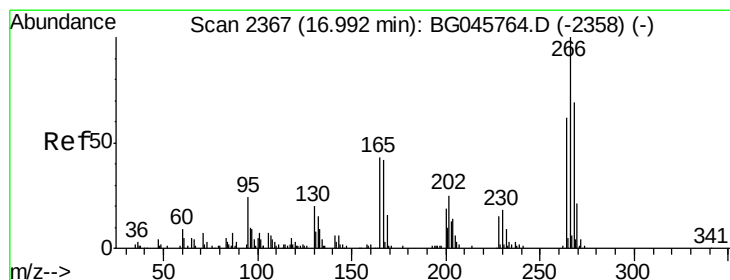
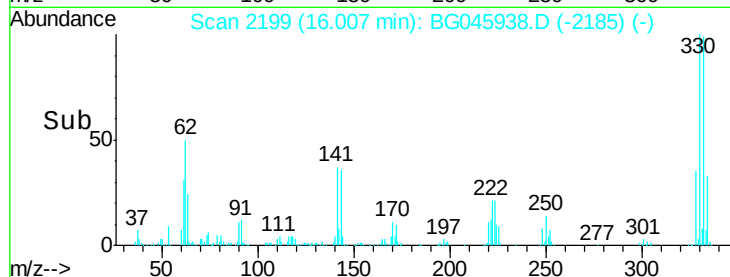
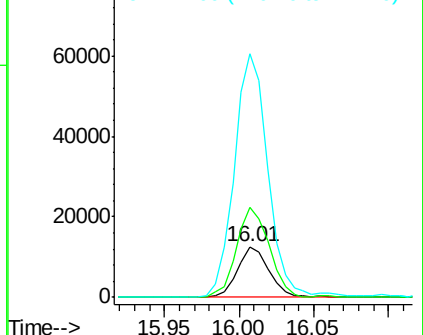
#67
4-Bromophenyl-phenylether
Concen: 4.911 ng
RT: 16.01 min Scan# 2199
Delta R.T. -0.45 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM

Tot Ion:248 Resp: 18475
Ion Ratio Lower Upper
248 100
250 177.6 77.2 115.8#
141 479.8 52.6 79.0#

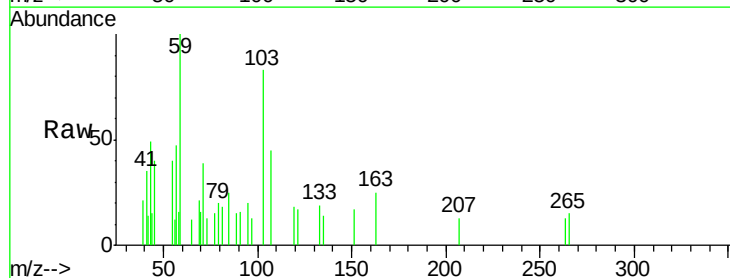


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

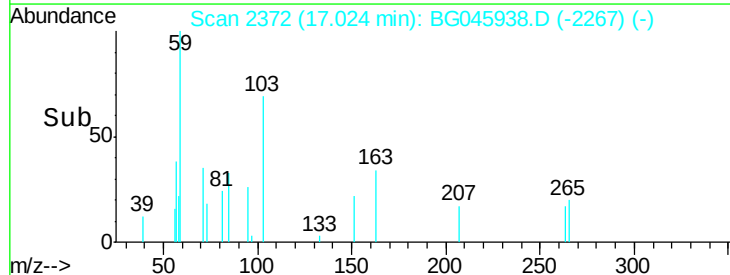
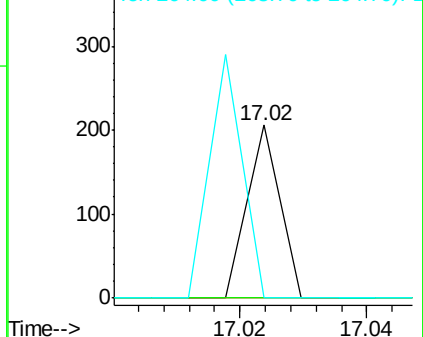


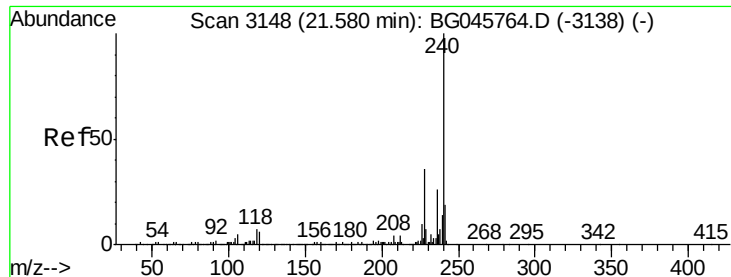
#70
Pentachlorophenol
Concen: 7.667 ng
RT: 17.02 min Scan# 2372
Delta R.T. 0.08 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

Tgt Ion:266 Resp: 73
Ion Ratio Lower Upper
266 100
268 0.0 50.5 75.7#
264 0.0 47.0 70.6#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

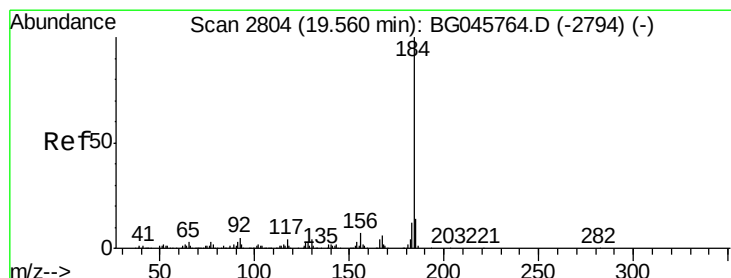
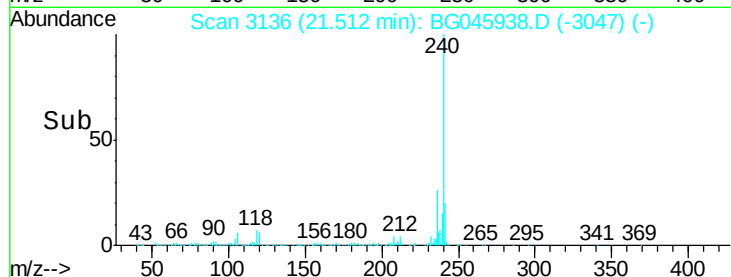
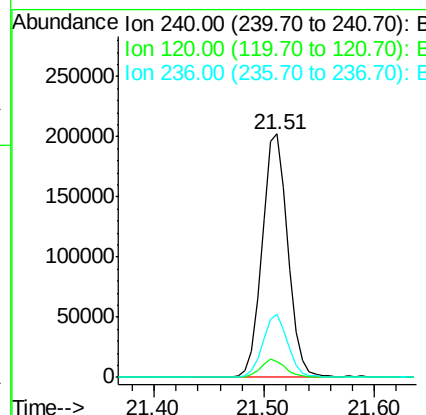
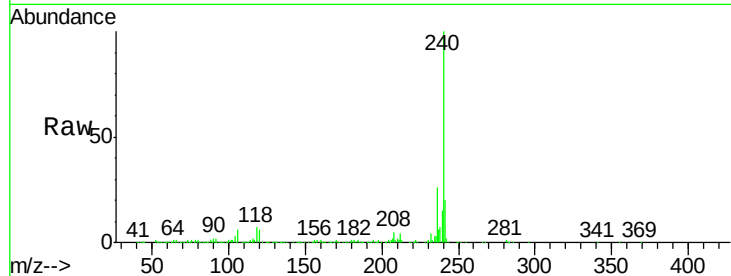




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.51 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

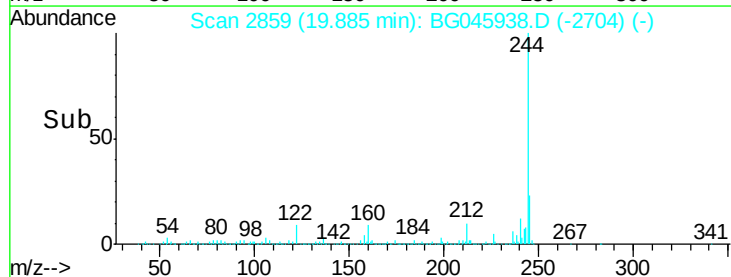
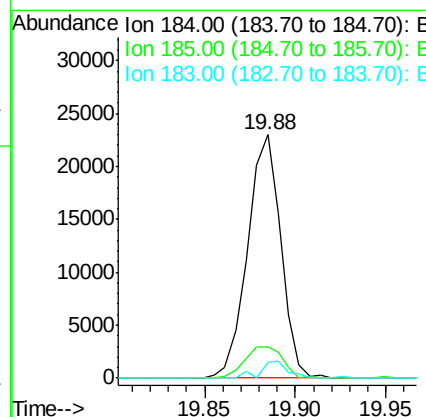
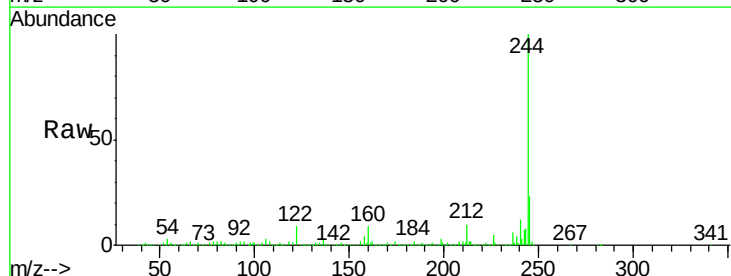
Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM

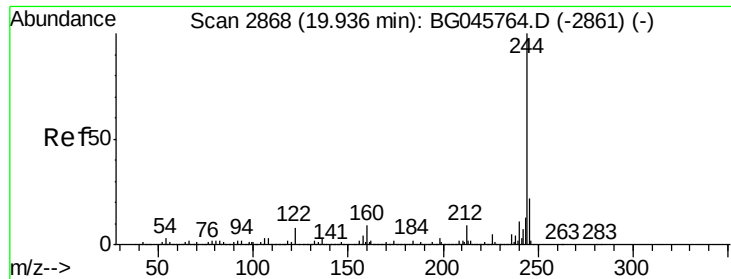
Tot Ion:240 Resp: 331205
Ion Ratio Lower Upper
240 100
120 6.3 5.2 7.8
236 26.1 20.8 31.2



#77
Benzidine
Concen: 3.404 ng
RT: 19.88 min Scan# 2859
Delta R.T. 0.38 min
Lab File: BG045938.D
Acq: 3 Jul 2020 8:07

Tgt Ion:184 Resp: 29312
Ion Ratio Lower Upper
184 100
185 12.9 11.1 16.7
183 6.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 92.979 ng

RT: 19.88 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM

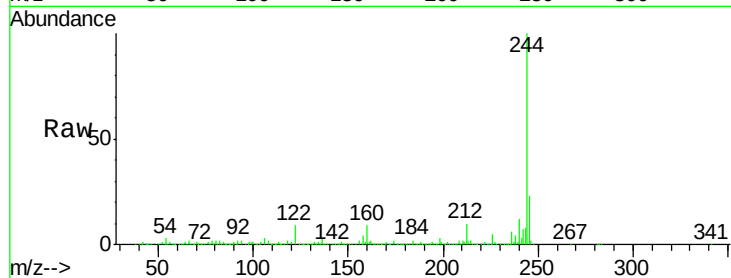
Tot Ion:244 Resp: 1519557

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.0	10.6
122	8.7	6.6	9.8

244 100

212 9.8 7.0 10.6

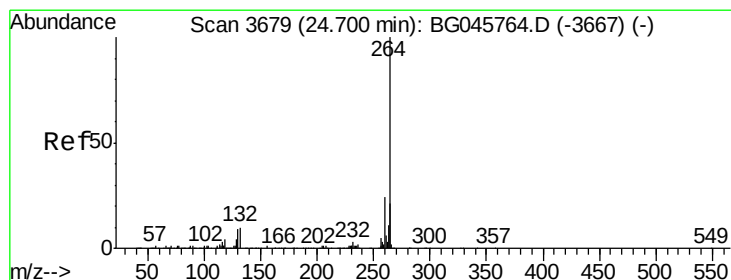
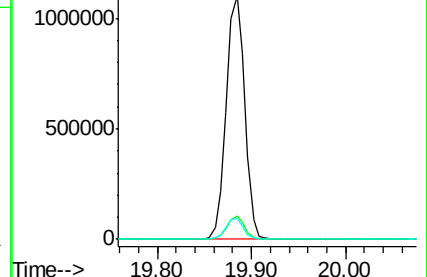
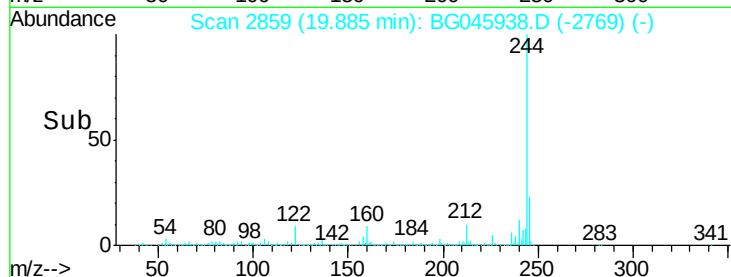
122 8.7 6.6 9.8



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.59 min Scan# 3660

Delta R.T. -0.01 min

Lab File: BG045938.D

Acq: 3 Jul 2020 8:07

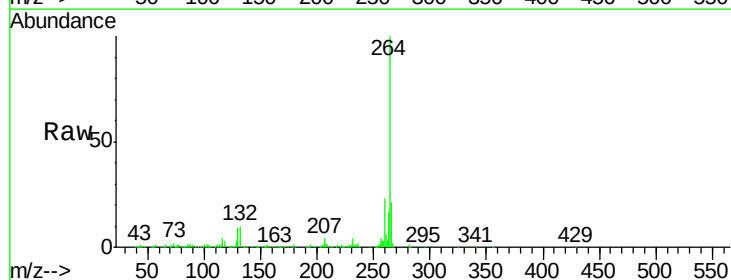
Tgt Ion:264 Resp: 356187

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.0	16.4	24.6

264 100

260 23.4 18.5 27.7

265 21.0 16.4 24.6



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

