

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060619\
 Data File : BG041085.D
 Acq On : 6 Jun 2019 11:08
 Operator : HP/JU
 Sample : K3175-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-03-007-ABCD

Quant Time: Jun 06 23:15:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	43102	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	155462	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	104489	20.00	ng	-0.01
64) Phenanthrene-d10	17.48	188	269283	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	304562	20.00	ng	-0.03
87) Perylene-d12	25.09	264	328135	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	653983	273.60	ng	0.00
7) Phenol-d6	7.26	99	906994	245.69	ng	0.00
23) Nitrobenzene-d5	9.29	82	629665	179.81	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	436958	281.69	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	1194804	164.67	ng	-0.01
79) Terphenyl-d14	20.09	244	2110576	147.08	ng	-0.01

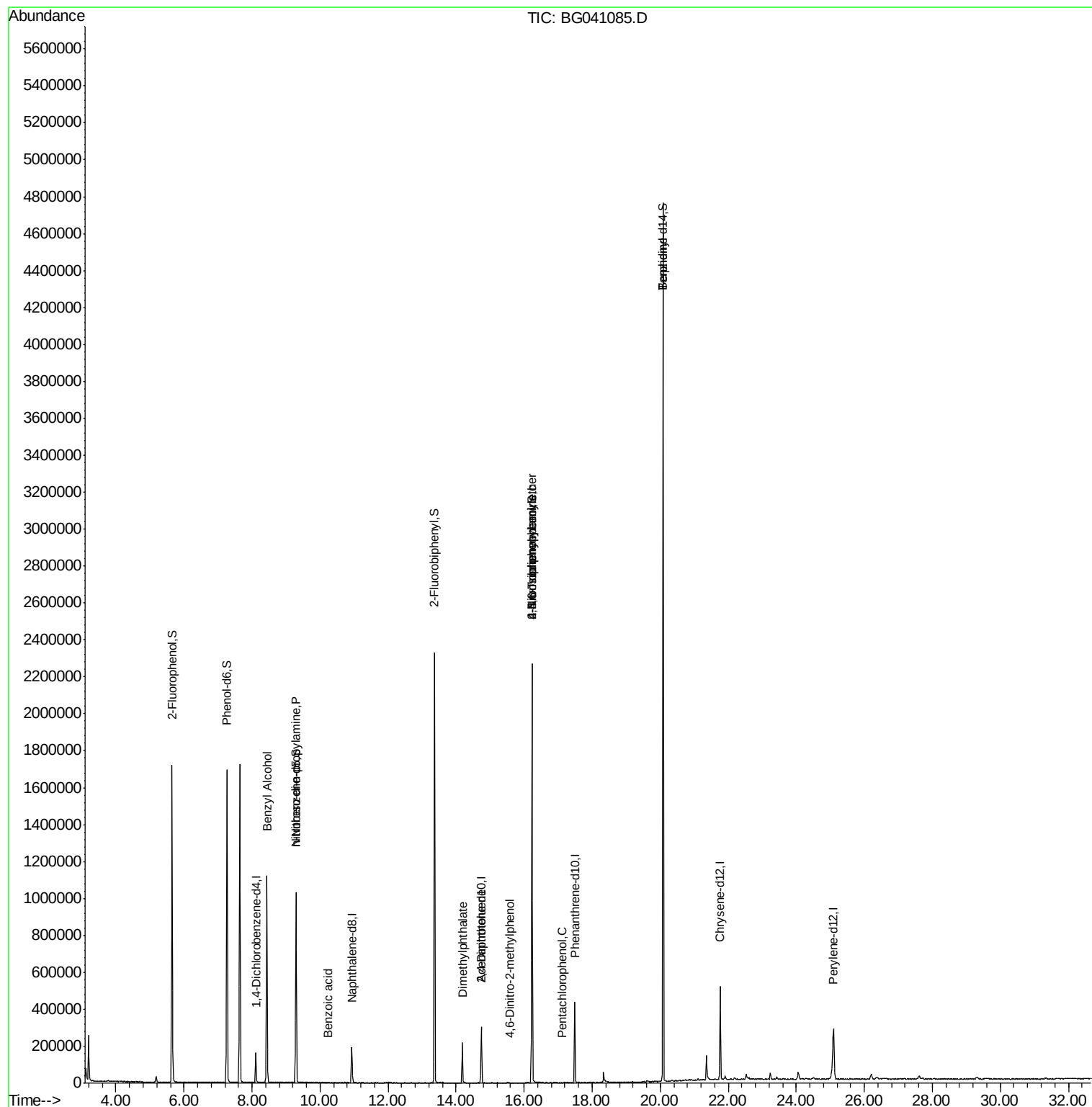
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.43	79	10223	2.994	ng	# 62
19) n-Nitroso-di-n-propylamine	9.29	70	92582	32.589	ng	# 73
32) Benzoic acid	10.24	122	62	8.157	ng	# 1
50) Dimethylphthalate	14.19	163	145159	16.411	ng	97
57) 2,4-Dinitrotoluene	14.74	165	14097	5.233	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.58	198	55	8.621	ng	# 36
66) n-Nitrosodiphenylamine	16.23	169	16078	2.124	ng	# 45
67) 4-Bromophenyl-phenylether	16.23	248	32313	8.892	ng	# 1
70) Pentachlorophenol	17.12	266	59	4.283	ng	# 18
77) Benzidine	20.09	184	39479	5.434	ng	# 94

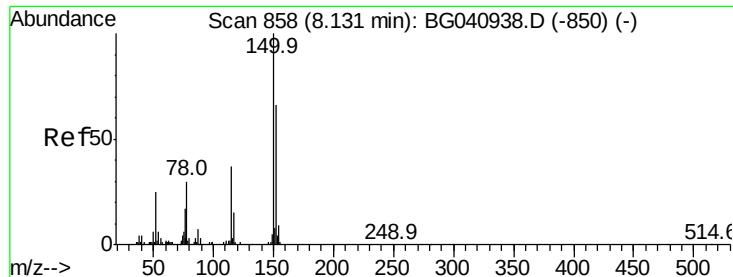
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060619\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 855

Delta R.T. -0.02 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-007-ABCD

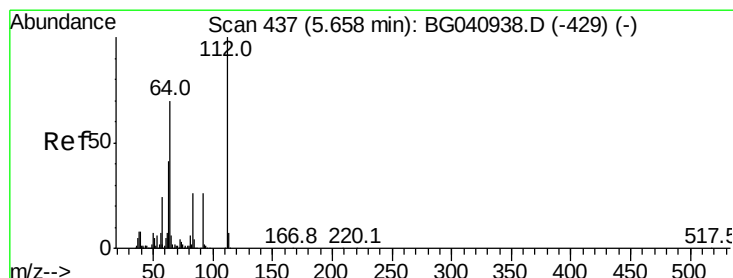
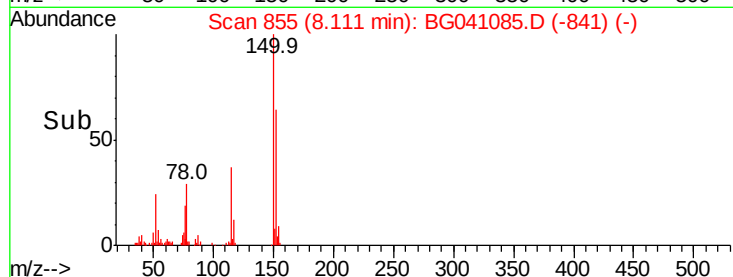
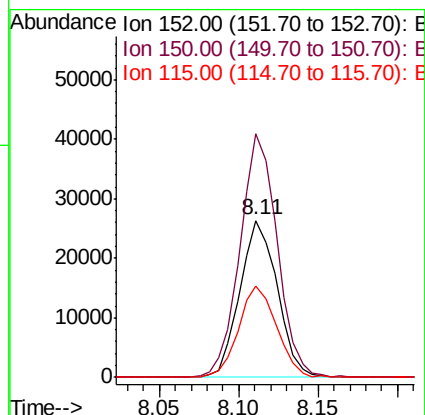
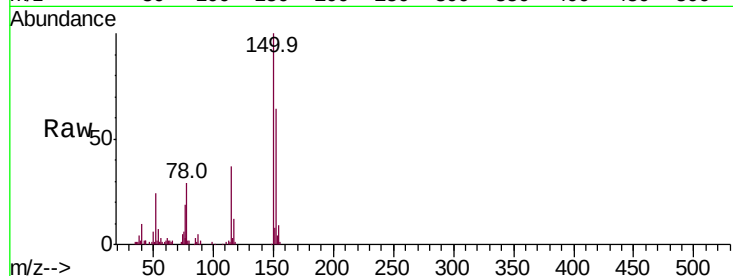
Tot Ion:152 Resp: 43102

Ion Ratio Lower Upper

152 100

150 155.5 120.6 180.8

115 58.1 45.1 67.7



#5

2-Fluorophenol

Concen: 273.600 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

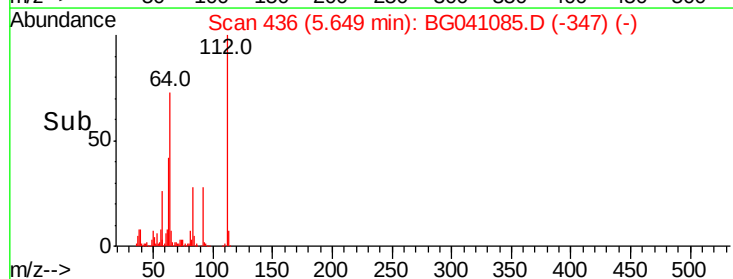
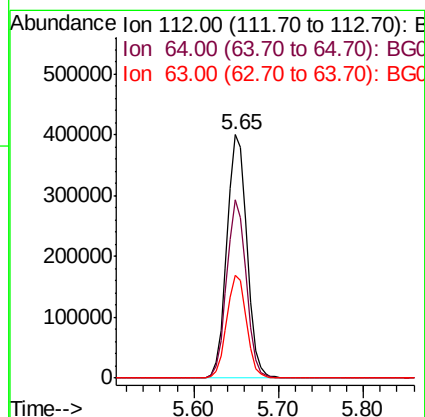
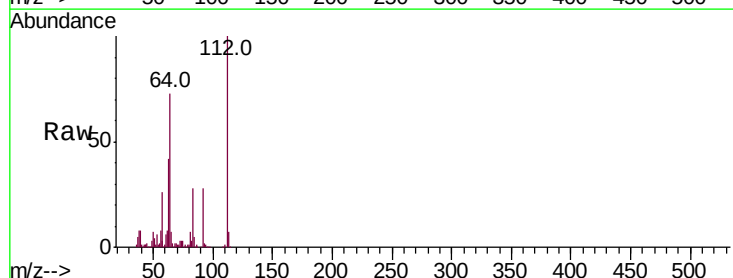
Tgt Ion:112 Resp: 653983

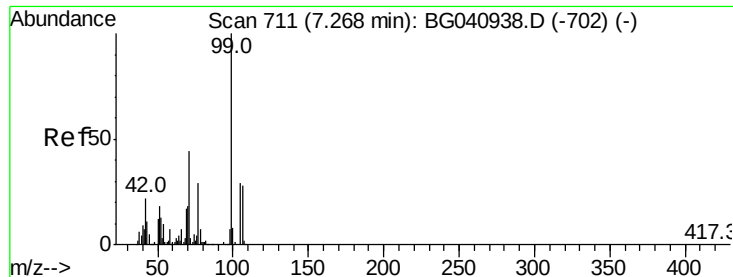
Ion Ratio Lower Upper

112 100

64 73.0 56.2 84.2

63 42.3 32.8 49.2





#7

Phenol-d6

Concen: 245.694 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-007-ABCD

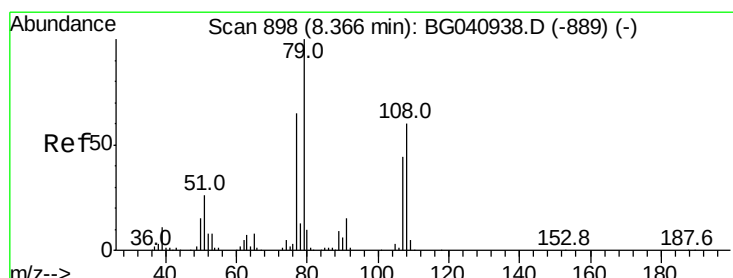
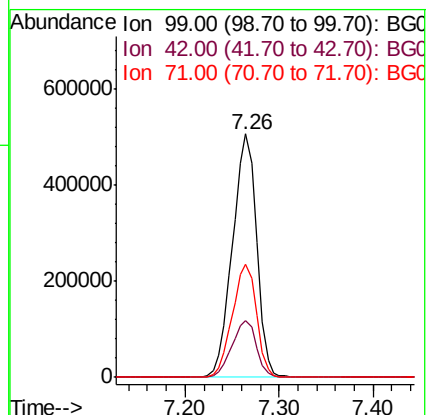
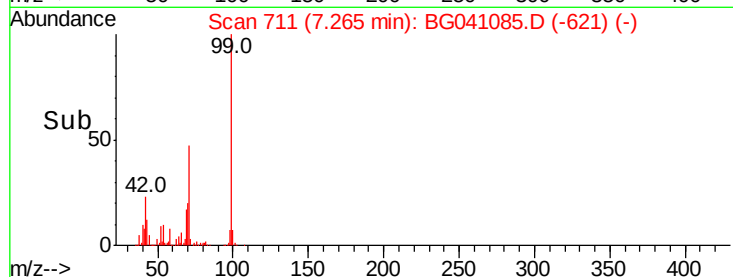
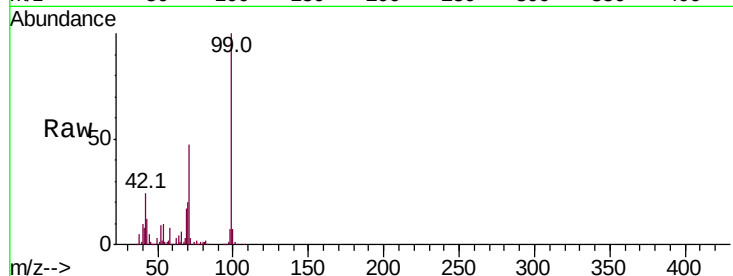
Tot Ion: 99 Resp: 906994

Ion Ratio Lower Upper

99 100

42 23.5 17.9 26.9

71 46.7 35.4 53.0



#15

Benzyl Alcohol

Concen: 2.994 ng

RT: 8.43 min Scan# 910

Delta R.T. 0.07 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

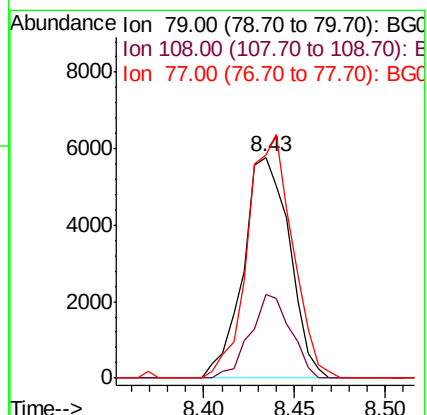
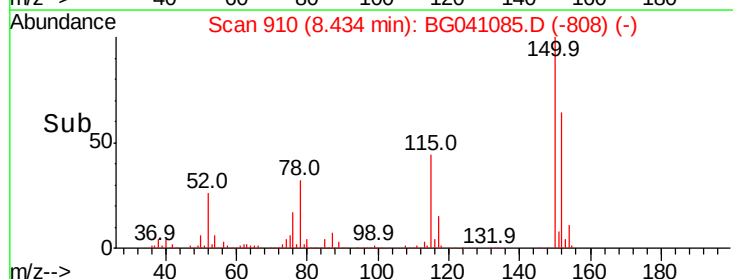
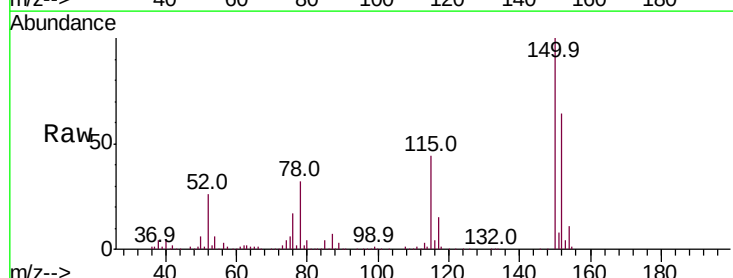
Tgt Ion: 79 Resp: 10223

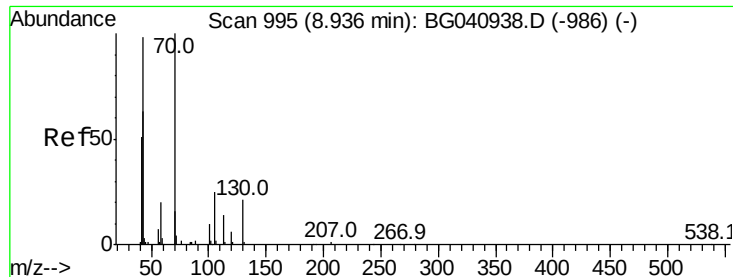
Ion Ratio Lower Upper

79 100

108 37.9 48.3 72.5#

77 101.0 52.3 78.5#





#19

n-Nitroso-di-n-propylamine

Concen: 32.589 ng

RT: 9.29 min Scan# 1056

Delta R.T. 0.36 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-007-ABCD

Tot Ion: 70 Resp: 92582

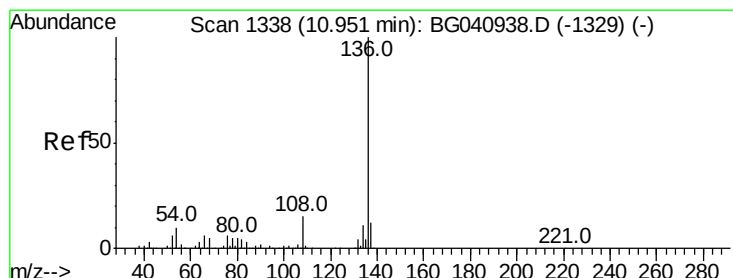
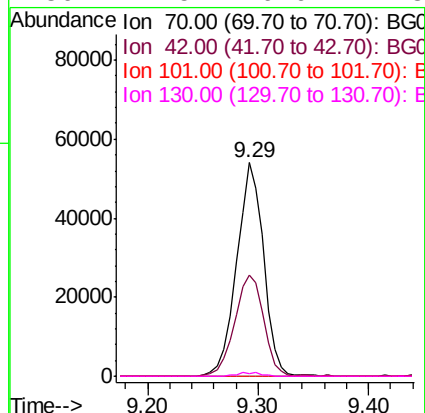
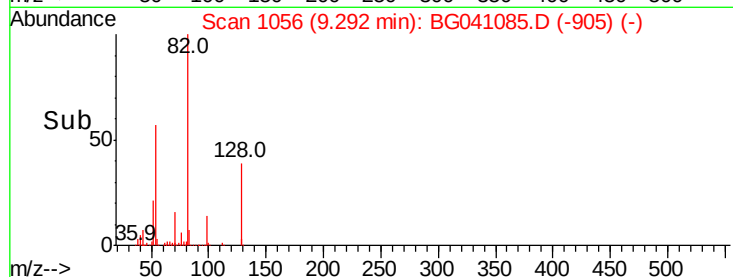
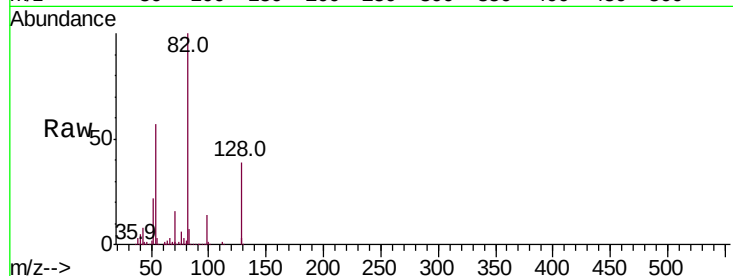
Ion Ratio Lower Upper

70 100

42 47.1 51.5 77.3#

101 0.0 8.1 12.1#

130 1.5 16.6 24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Tgt Ion: 136 Resp: 155462

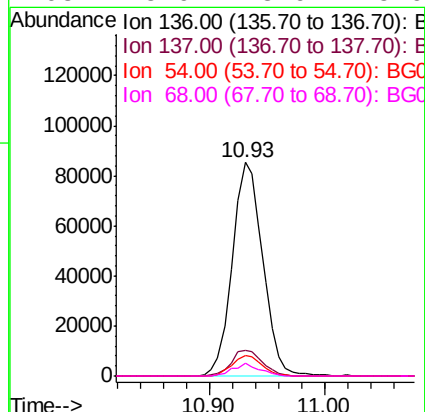
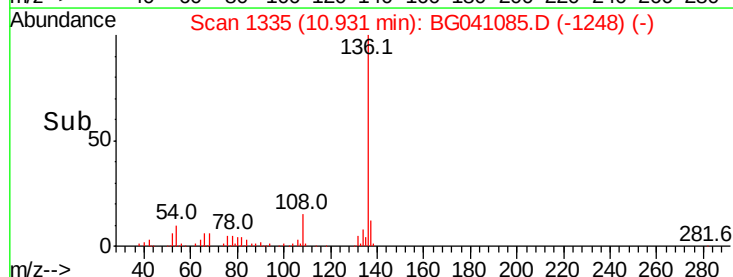
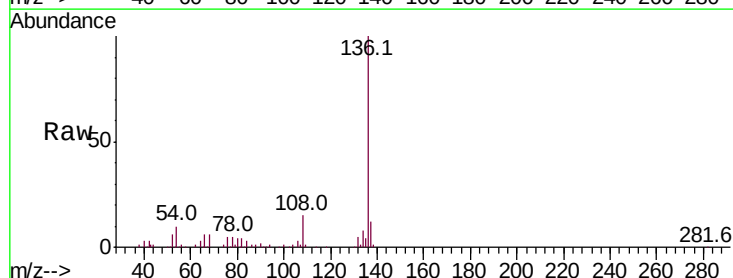
Ion Ratio Lower Upper

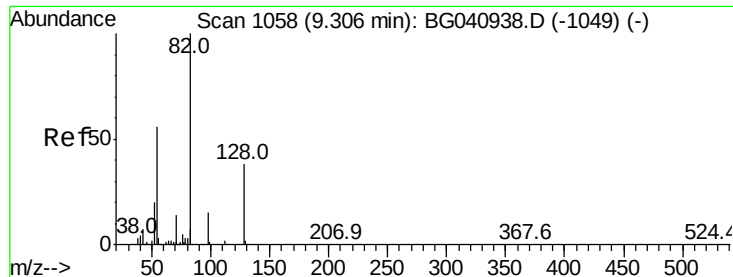
136 100

137 11.9 9.5 14.3

54 9.5 7.6 11.4

68 5.9 3.9 5.9

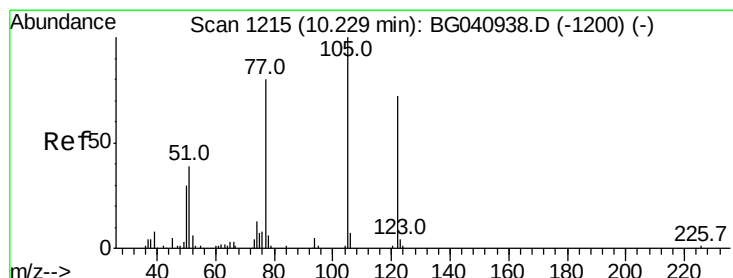
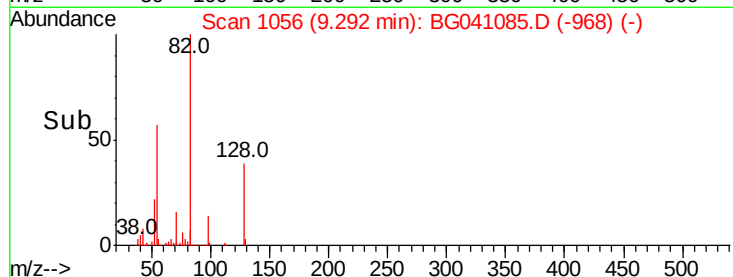
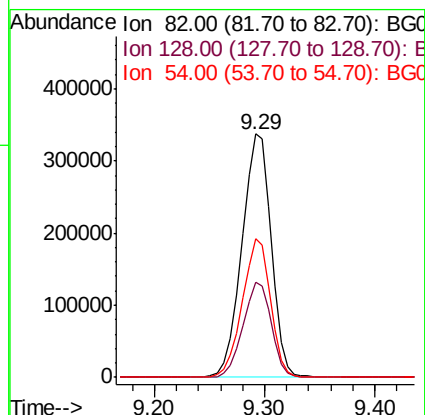
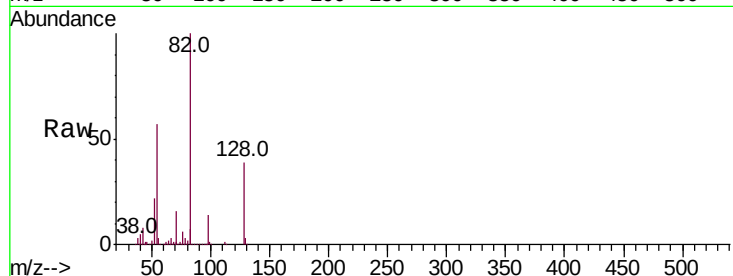




#23
Nitrobenzene-d5
Concen: 179.807 ng
RT: 9.29 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG041085.D
Acq: 6 Jun 2019 11:08

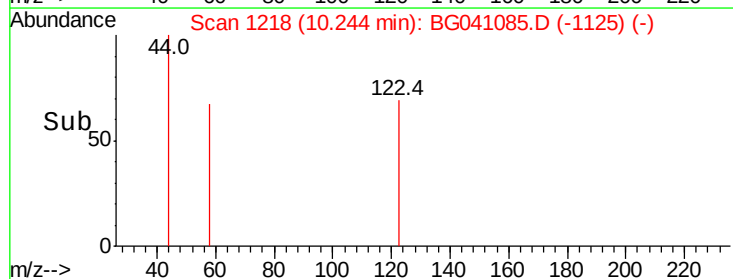
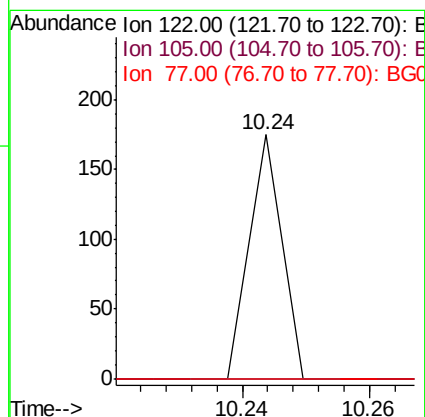
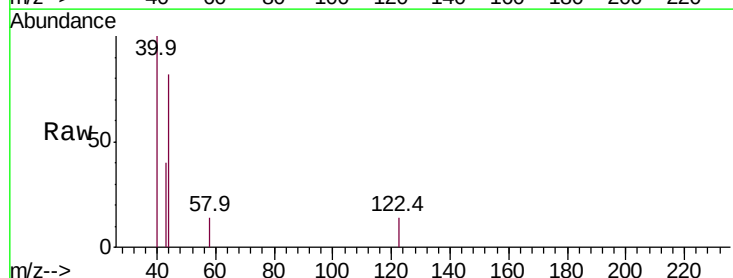
Instrument :
BNA_G
ClientSampleId :
FK-BPM-03-007-ABCD

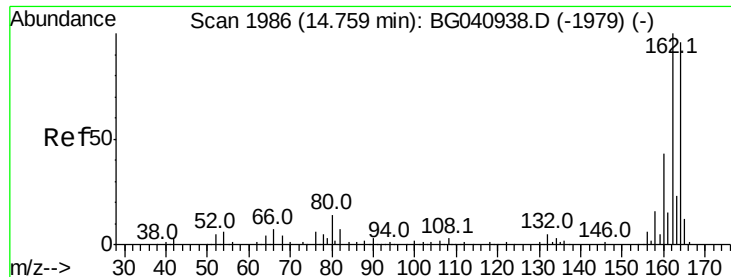
Tot Ion	82	Resp	629665
Ion Ratio	100	Lower	Upper
128	38.8	30.5	45.7
54	57.0	44.6	66.8



#32
Benzoic acid
Concen: 8.157 ng
RT: 10.24 min Scan# 1218
Delta R.T. 0.02 min
Lab File: BG041085.D
Acq: 6 Jun 2019 11:08

Tgt Ion	122	Resp	62
Ion Ratio	100	Lower	Upper
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-007-ABCD

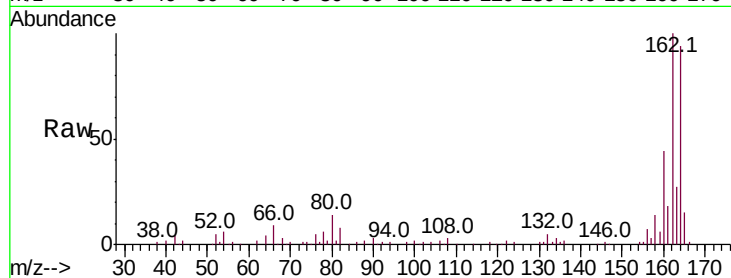
Tot Ion:164 Resp: 104489

Ion Ratio Lower Upper

164 100

162 106.0 83.0 124.4

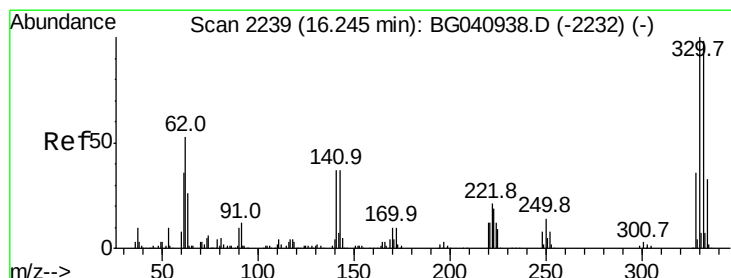
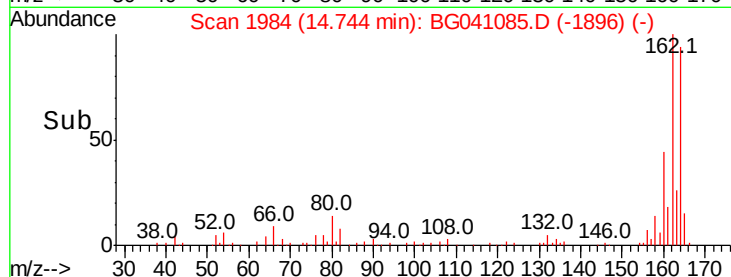
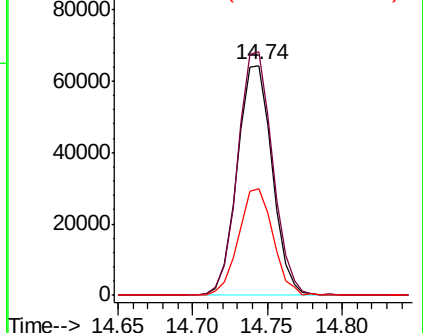
160 46.7 35.6 53.4



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: 281.688 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

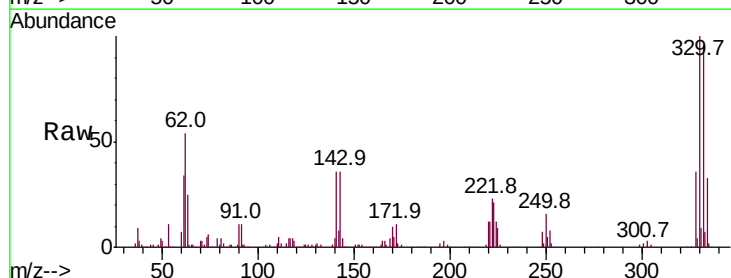
Tgt Ion:330 Resp: 436958

Ion Ratio Lower Upper

330 100

332 95.4 78.5 117.7

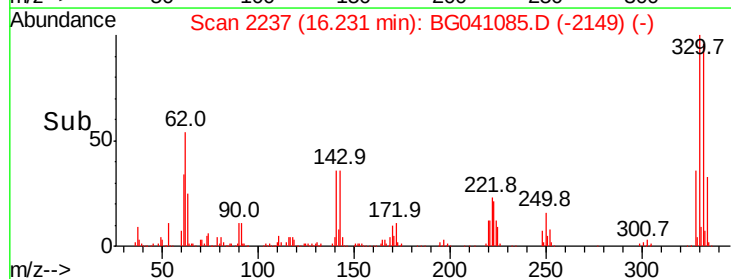
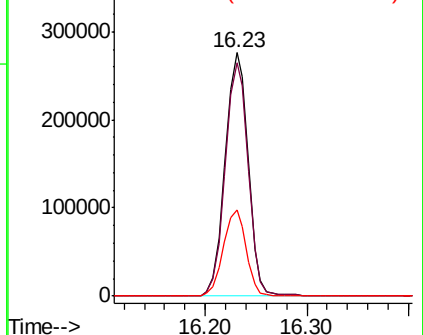
141 35.1 28.7 43.1

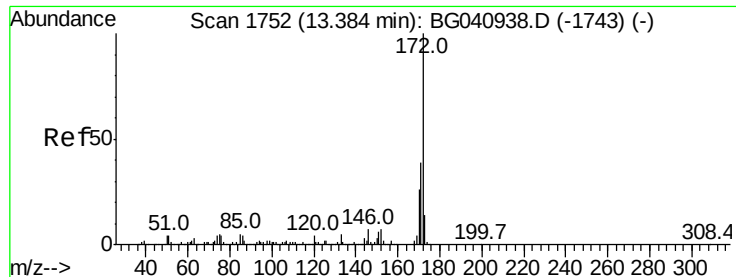


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 164.672 ng

RT: 13.37 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Instrument :

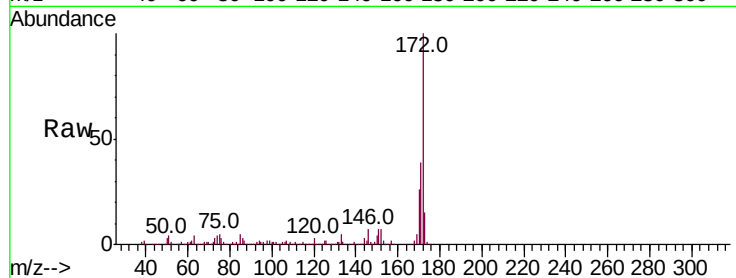
BNA_G

ClientSampleId :

FK-BPM-03-007-ABCD

Tot Ion:172 Resp: 1194804

Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.1	46.7
170	26.3	20.5	30.7

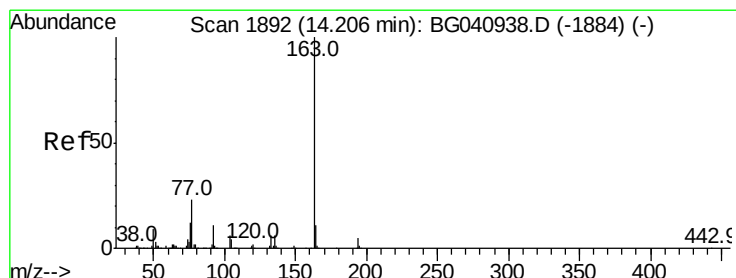
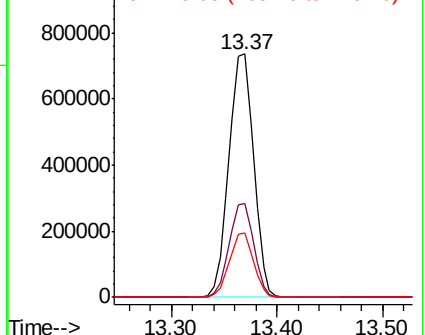
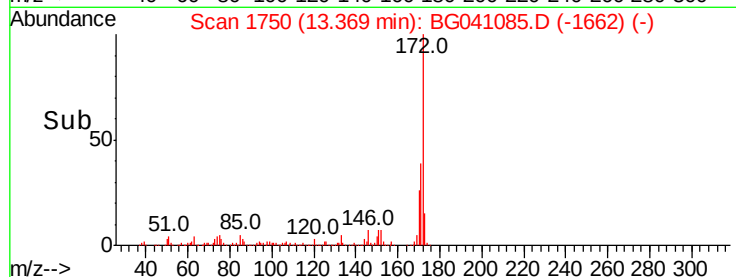


Abundance

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: 16.411 ng

RT: 14.19 min Scan# 1889

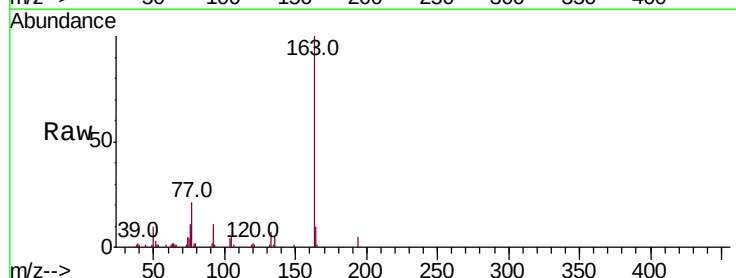
Delta R.T. -0.02 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Tgt Ion:163 Resp: 145159

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.8	5.8
164	9.6	8.7	13.1

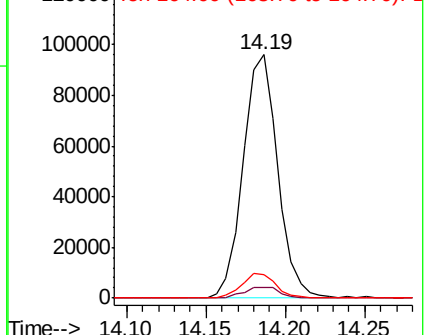
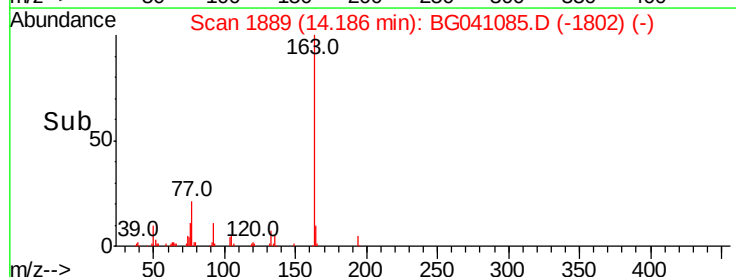


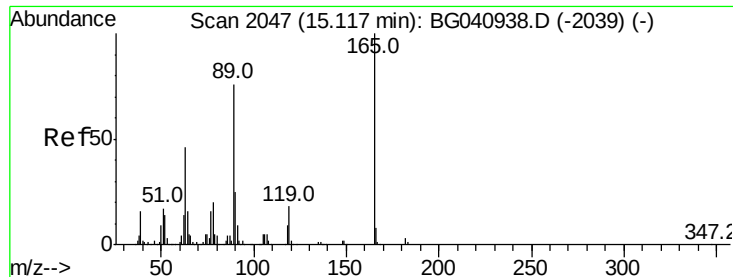
Abundance

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





#57

2,4-Dinitrotoluene

Concen: 5.233 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-007-ABCD

Tot Ion:165 Resp: 14097

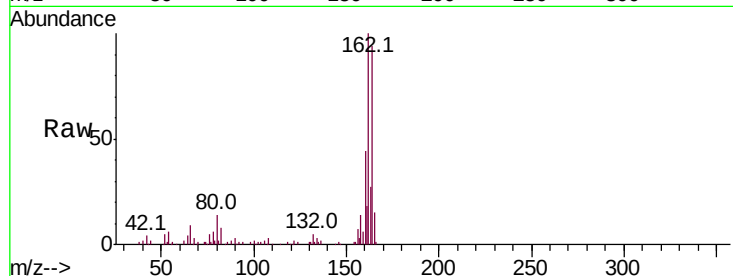
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 0.0 61.0 91.6#

182 0.0 2.2 3.2#

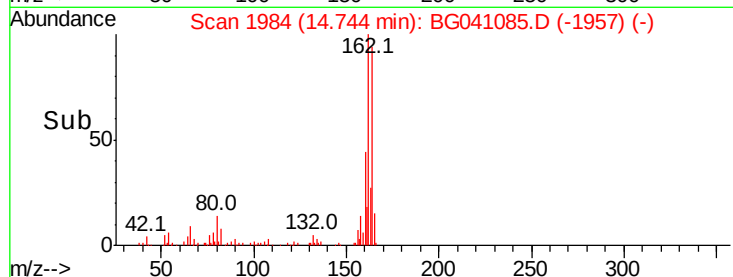


Abundance Ion 165.00 (164.70 to 165.70): E

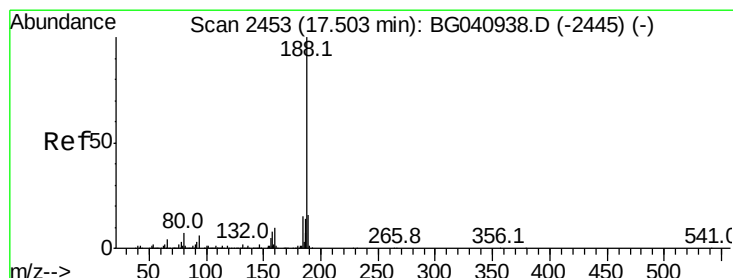
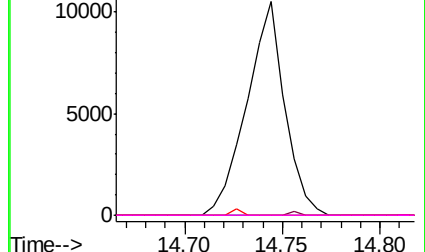
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

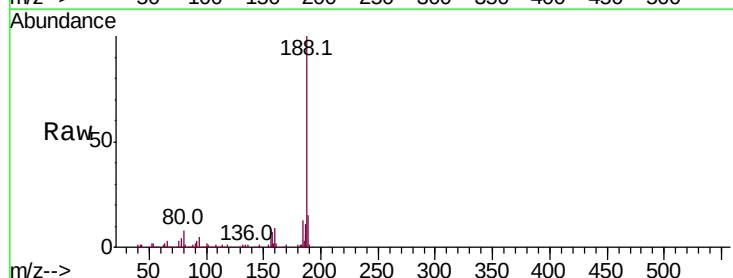
Tgt Ion:188 Resp: 269283

Ion Ratio Lower Upper

188 100

94 5.2 4.7 7.1

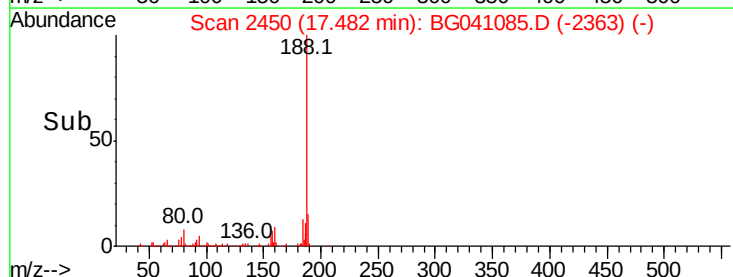
80 7.8 5.8 8.8



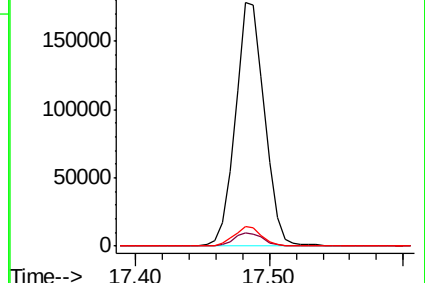
Abundance Ion 188.00 (187.70 to 188.70): E

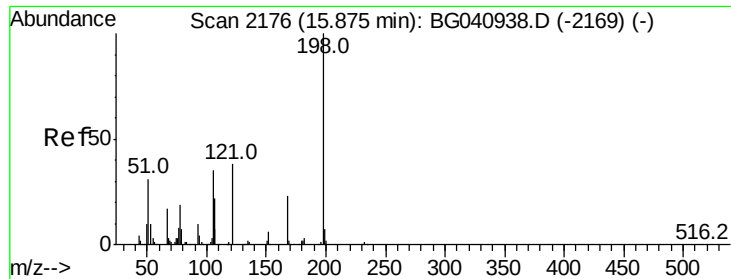
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->

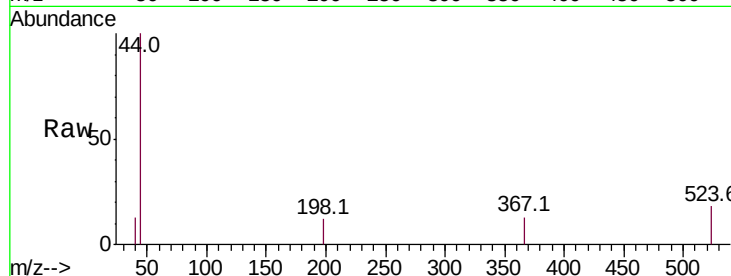




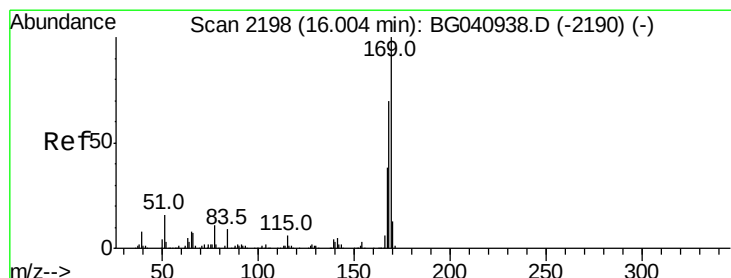
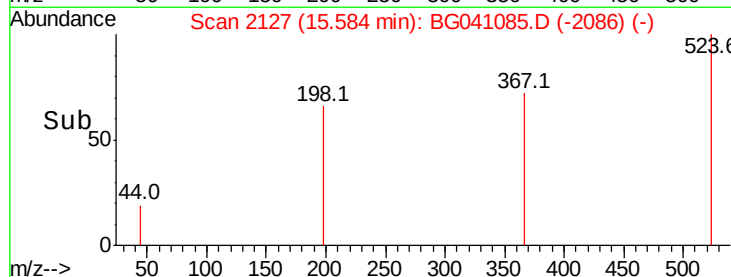
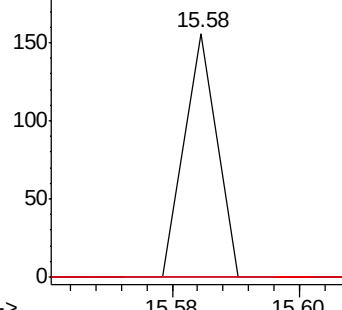
#65
4,6-Dinitro-2-methylphenol
Concen: 8.621 ng
RT: 15.58 min Scan# 2127
Delta R.T. -0.29 min
Lab File: BG041085.D
Acq: 6 Jun 2019 11:08

Instrument :
BNA_G
ClientSampleId :
FK-BPM-03-007-ABCD

Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	21.6	61.6#
105	0.0	17.5	57.5#

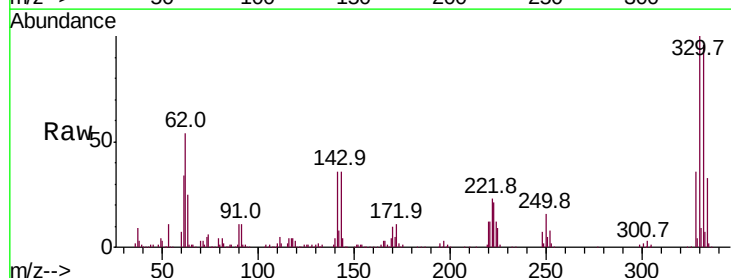


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

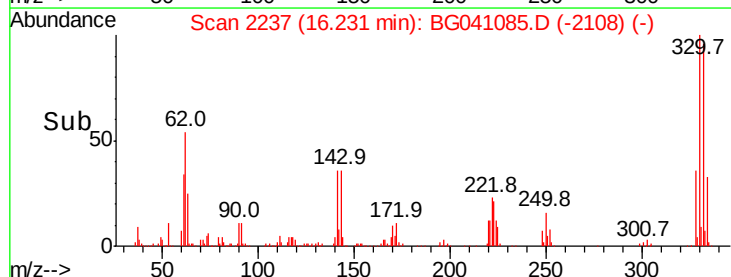
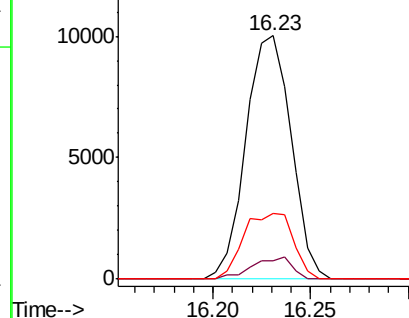


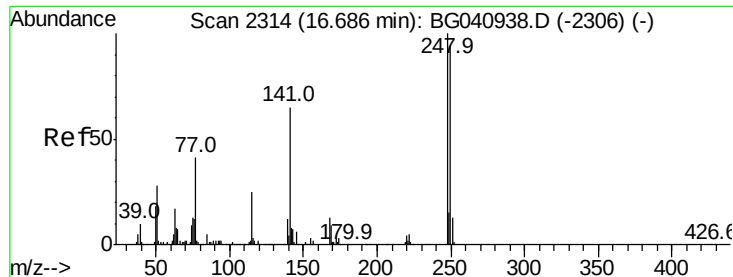
#66
n-Nitrosodiphenylamine
Concen: 2.124 ng
RT: 16.23 min Scan# 2237
Delta R.T. 0.23 min
Lab File: BG041085.D
Acq: 6 Jun 2019 11:08

Tgt Ion	Ratio	Lower	Upper
169	100		
168	7.7	55.7	83.5#
167	27.0	30.2	45.2#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

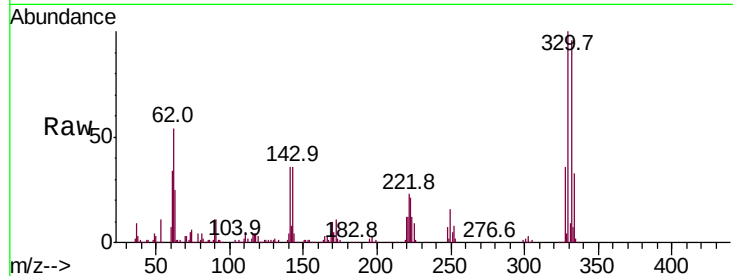




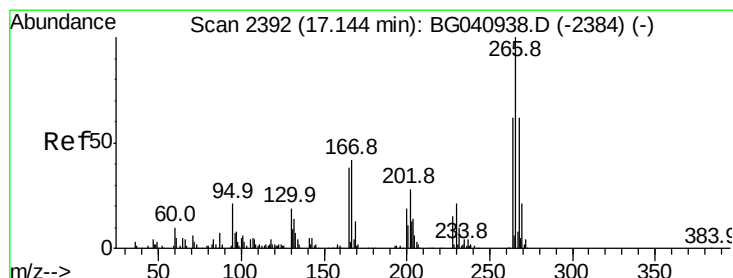
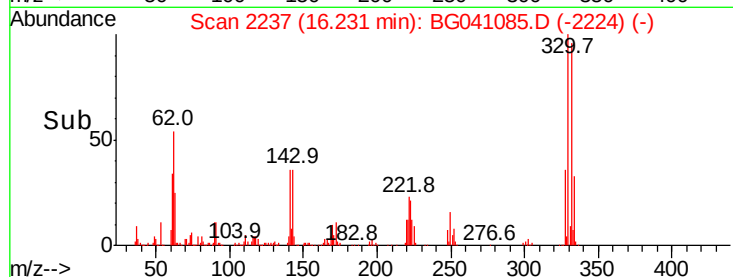
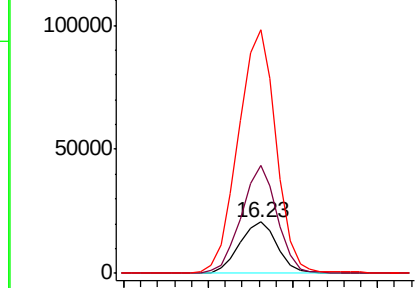
#67
4-Bromophenyl-phenylether
Concen: 8.892 ng
RT: 16.23 min Scan# 2237
Delta R.T. -0.46 min
Lab File: BG041085.D
Acq: 6 Jun 2019 11:08

Instrument :
BNA_G
ClientSampleId :
FK-BPM-03-007-ABCD

Tot Ion:248 Resp: 32313
Ion Ratio Lower Upper
248 100
250 209.5 75.0 112.4#
141 473.8 52.4 78.6#

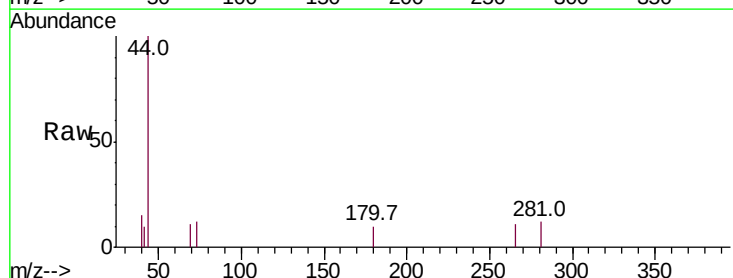


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

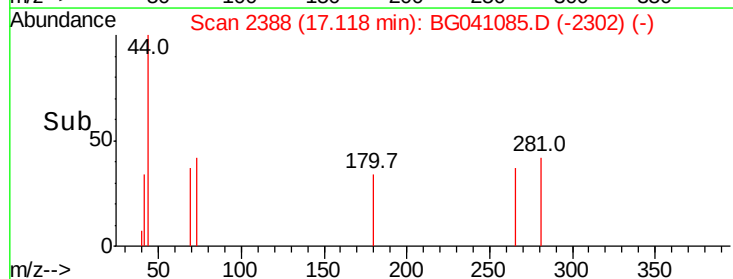
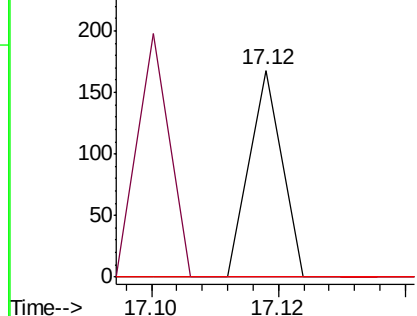


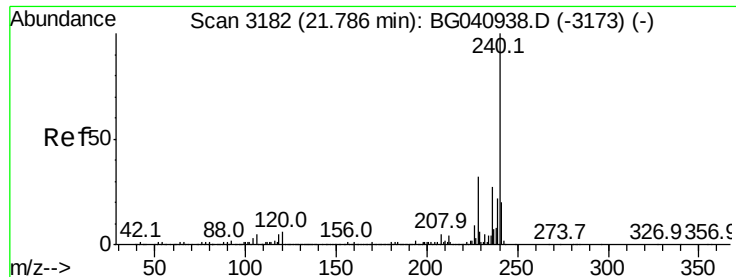
#70
Pentachlorophenol
Concen: 4.283 ng
RT: 17.12 min Scan# 2388
Delta R.T. -0.03 min
Lab File: BG041085.D
Acq: 6 Jun 2019 11:08

Tgt Ion:266 Resp: 59
Ion Ratio Lower Upper
266 100
268 0.0 53.1 79.7#
264 0.0 49.9 74.9#



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: 21.76 min Scan# 3178

Delta R.T. -0.03 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-007-ABCD

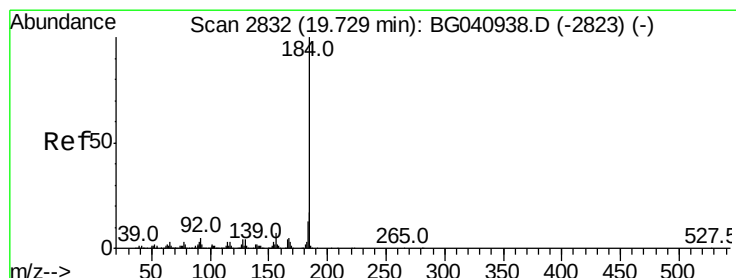
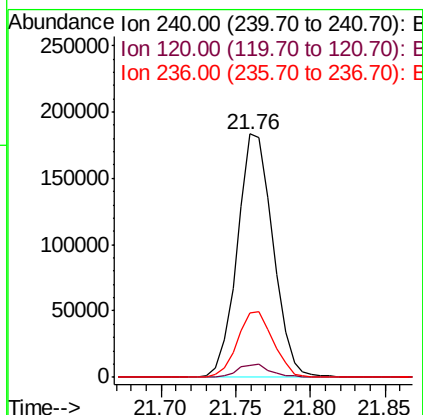
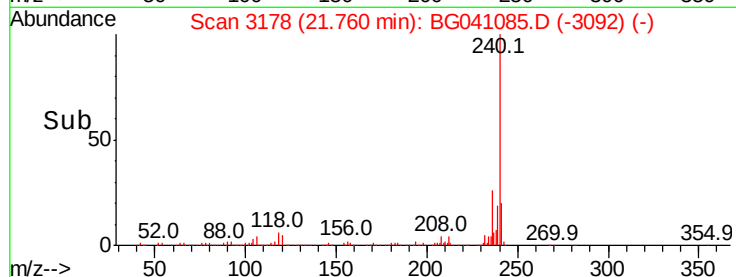
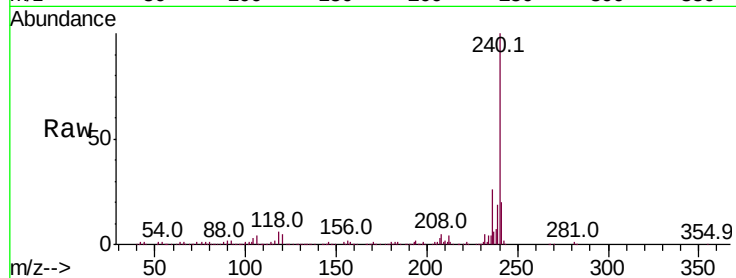
Tot Ion:240 Resp: 304562

Ion Ratio Lower Upper

240 100

120 5.1 4.5 6.7

236 26.4 21.3 31.9



#77

Benzidine

Concen: 5.434 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.36 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

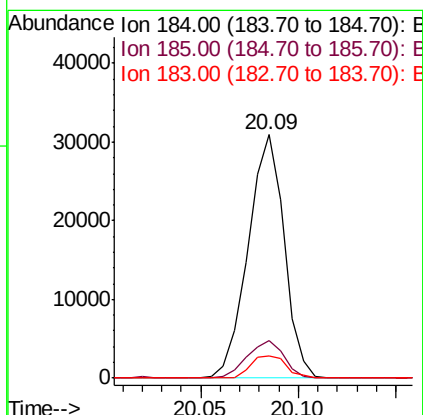
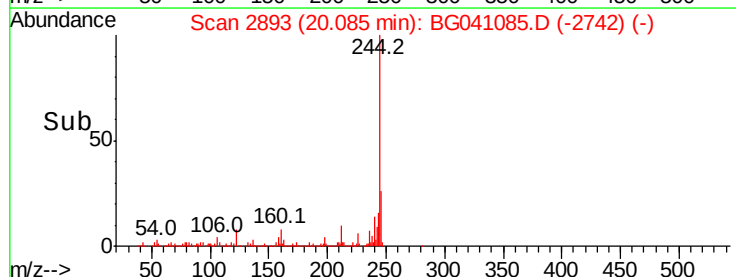
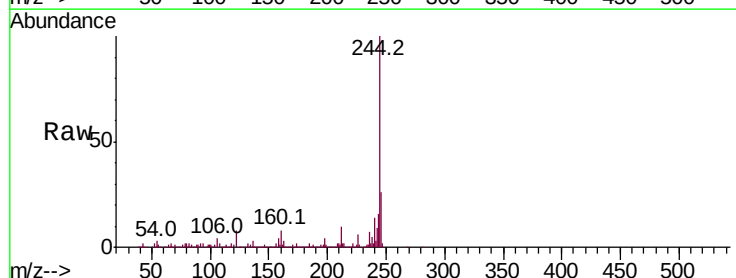
Tgt Ion:184 Resp: 39479

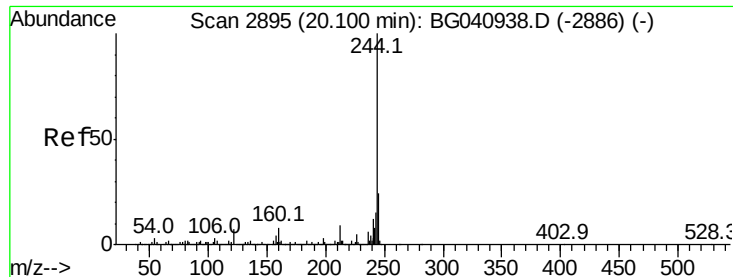
Ion Ratio Lower Upper

184 100

185 15.3 13.3 19.9

183 9.2 10.7 16.1#





#79

Terphenyl-d14

Concen: 147.076 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-007-ABCD

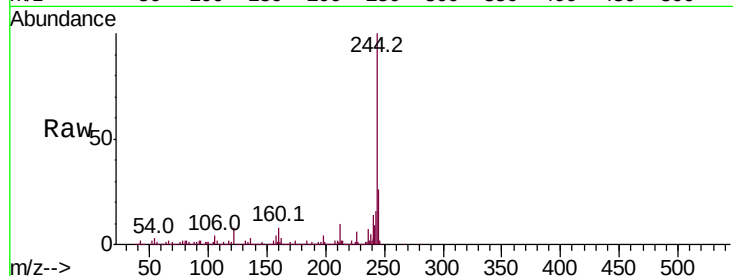
Tot Ion:244 Resp: 2110576

Ion Ratio Lower Upper

244 100

212 10.3 7.0 10.4

122 8.5 5.4 8.0#



Abundance Ion 244.00 (243.70 to 244.70): E

2000000 Ion 212.00 (211.70 to 212.70): E

1500000 Ion 122.00 (121.70 to 122.70): E

1000000

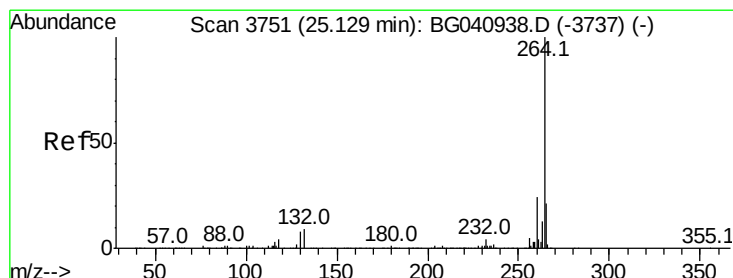
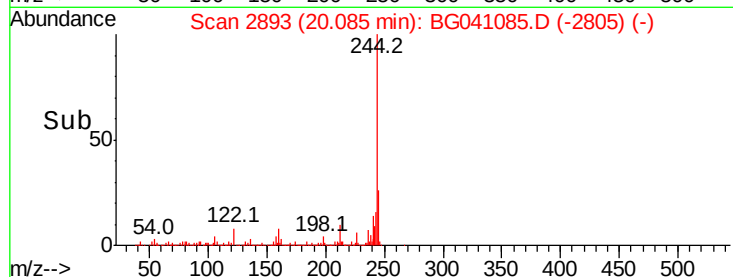
500000

20.09

0

Time-->

20.00 20.10 20.20



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3745

Delta R.T. -0.04 min

Lab File: BG041085.D

Acq: 6 Jun 2019 11:08

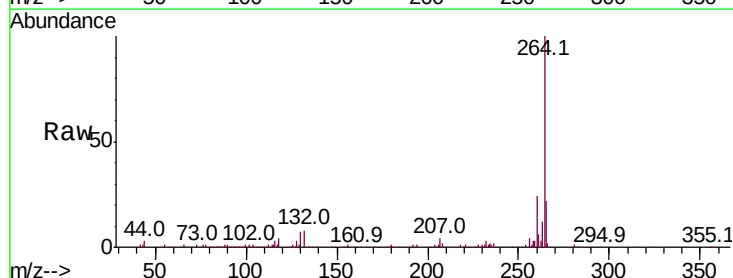
Tgt Ion:264 Resp: 328135

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.8 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

150000 Ion 260.00 (259.70 to 260.70): E

100000 Ion 265.00 (264.70 to 265.70): E

50000

25.09

0

Time-->

25.00 25.10 25.20

