

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041120.D
 Acq On : 8 Jun 2019 5:23
 Operator : HP/JU
 Sample : K3174-01RX
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-03-008-ABCD

Quant Time: Jun 08 07:05:02 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

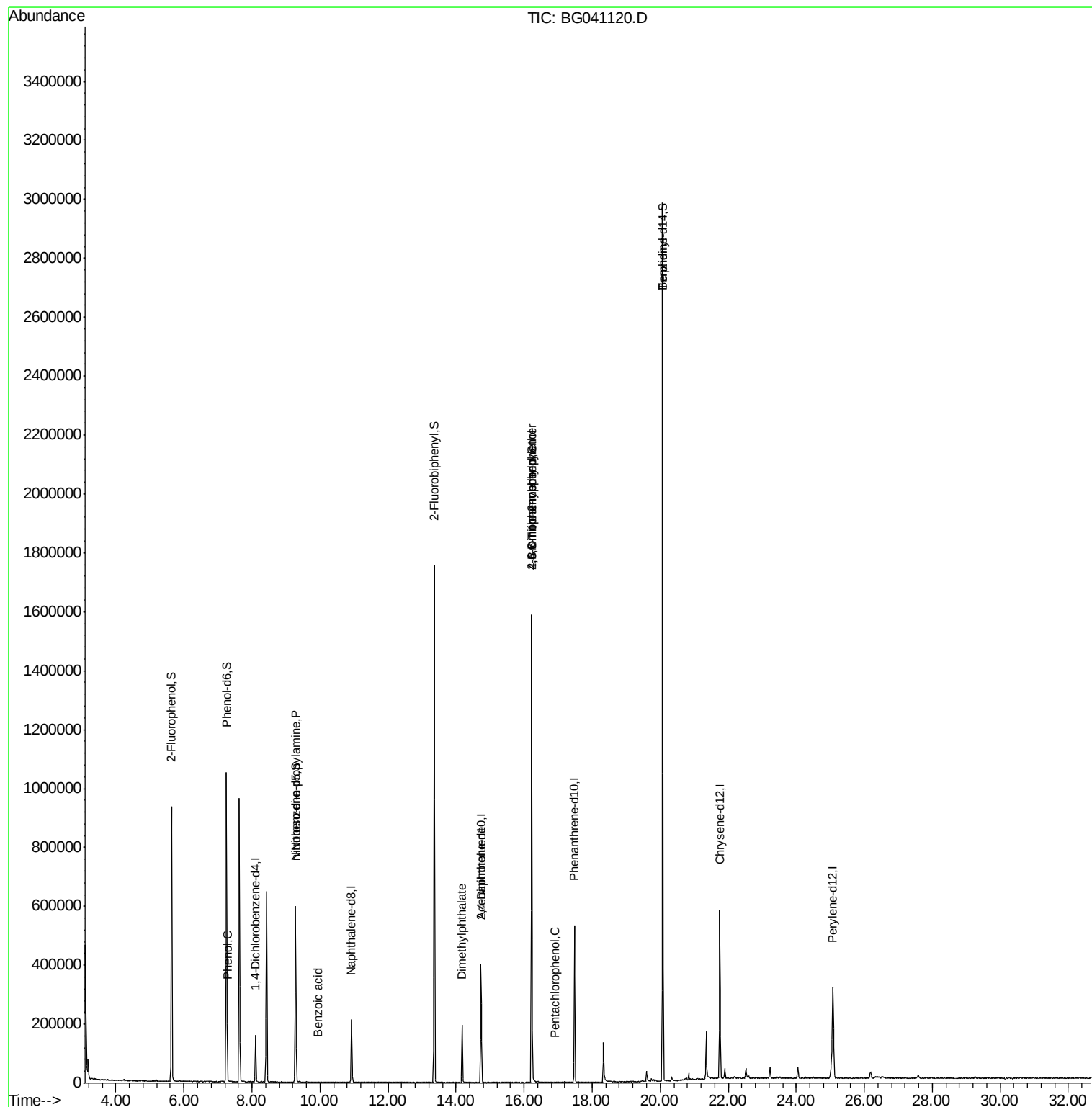
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	42537	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	174193	20.00	ng	-0.03
39) Acenaphthene-d10	14.73	164	137651	20.00	ng	-0.03
64) Phenanthrene-d10	17.48	188	339775	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	336557	20.00	ng	-0.03
87) Perylene-d12	25.08	264	363447	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	354067	150.09	ng	-0.02
7) Phenol-d6	7.25	99	545329	149.69	ng	-0.01
23) Nitrobenzene-d5	9.28	82	367791	93.73	ng	-0.03
42) 2,4,6-Tribromophenol	16.23	330	299965	146.79	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	873502	91.39	ng	-0.03
79) Terphenyl-d14	20.07	244	1379827	87.01	ng	-0.03
Target Compounds						
10) Phenol	7.28	94	8393	2.149	ng	# 74
19) n-Nitroso-di-n-propylamine	9.28	70	53721	19.161	ng	# 75
32) Benzoic acid	9.93	122	67	8.156	ng	# 1
50) Dimethylphthalate	14.18	163	135071	11.592	ng	99
57) 2,4-Dinitrotoluene	14.73	165	17315	4.879	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.22	198	1134	9.101	ng	78
67) 4-Bromophenyl-phenylether	16.23	248	22633	4.936	ng	# 1
70) Pentachlorophenol	16.91	266	59	4.277	ng	# 18
77) Benzidine	20.07	184	23430	2.918	ng	# 90

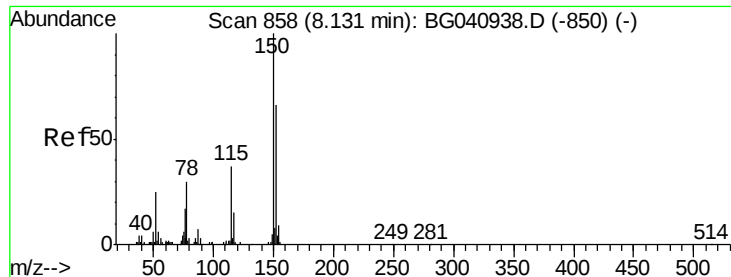
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. -0.03 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-008-ABCD

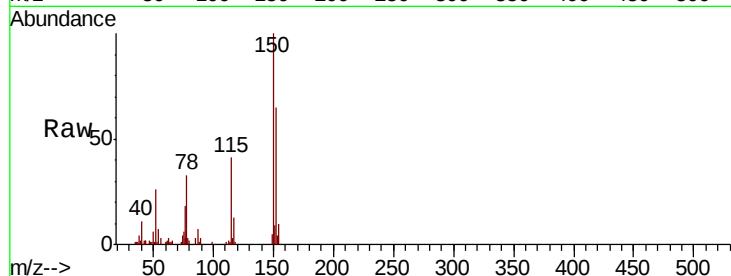
Tgt Ion:152 Resp: 42537

Ion Ratio Lower Upper

152 100

150 154.4 120.6 180.8

115 62.6 45.1 67.7

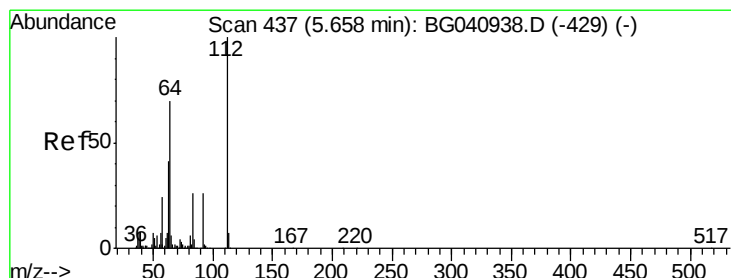
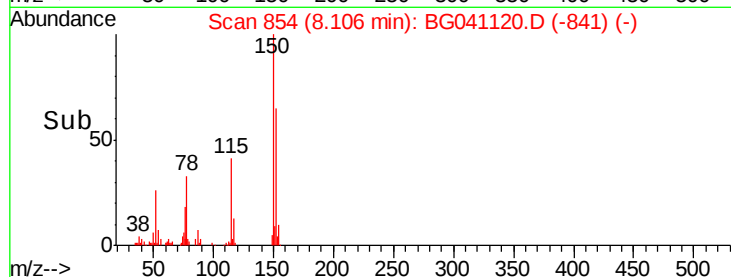
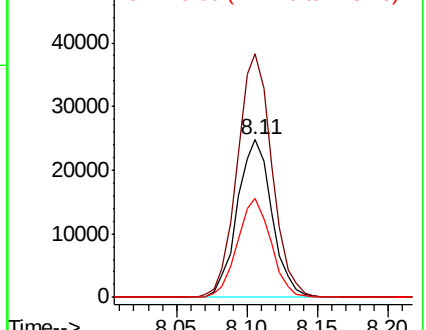


Abundance

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: 150.095 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

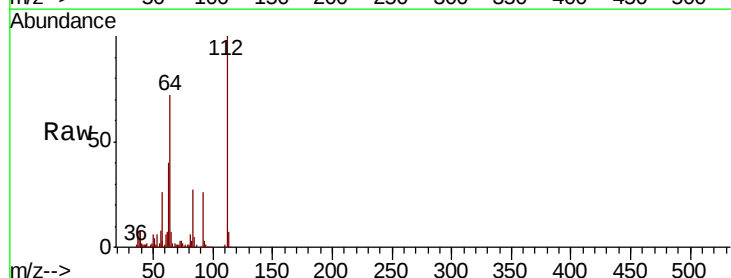
Tgt Ion:112 Resp: 354067

Ion Ratio Lower Upper

112 100

64 71.5 56.2 84.2

63 40.2 32.8 49.2

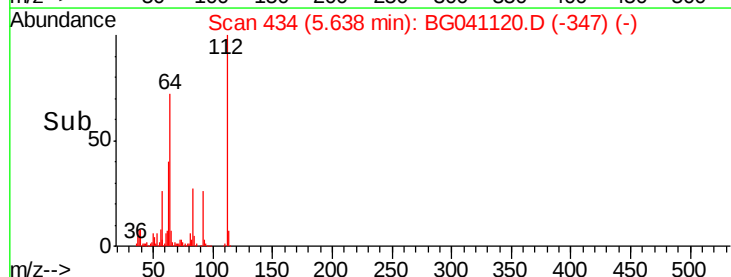
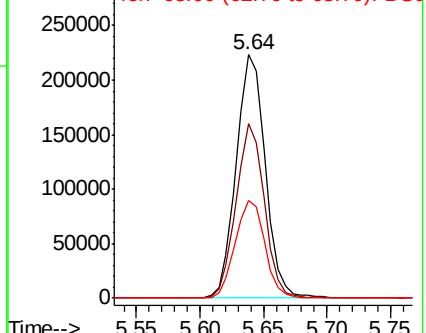


Abundance

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: 149.686 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-008-ABCD

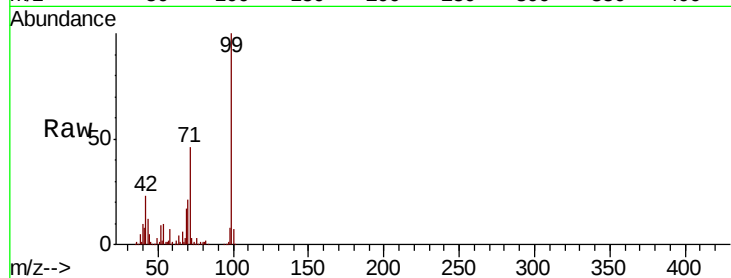
Tgt Ion: 99 Resp: 545329

Ion Ratio Lower Upper

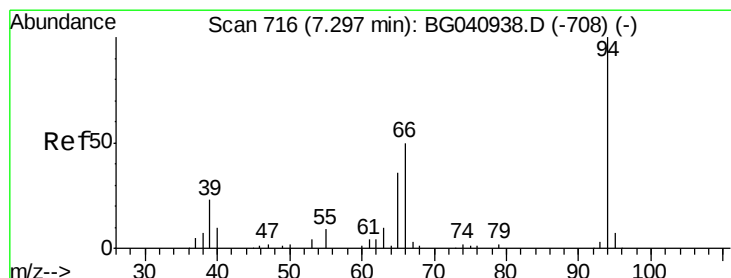
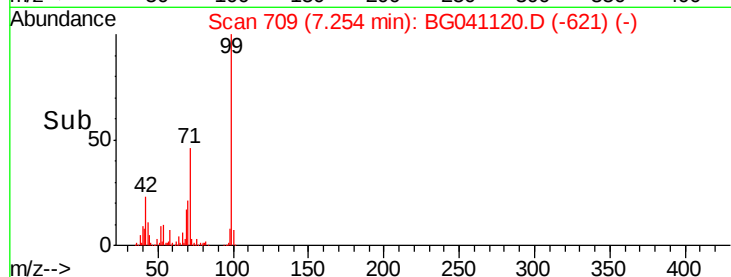
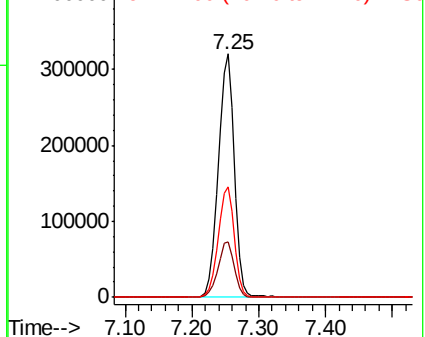
99 100

42 23.0 17.9 26.9

71 45.6 35.4 53.0



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



#10

Phenol

Concen: 2.149 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

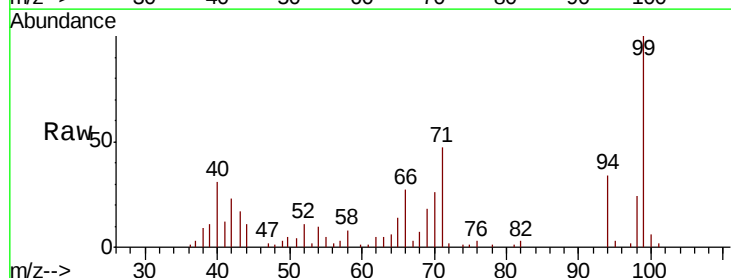
Tgt Ion: 94 Resp: 8393

Ion Ratio Lower Upper

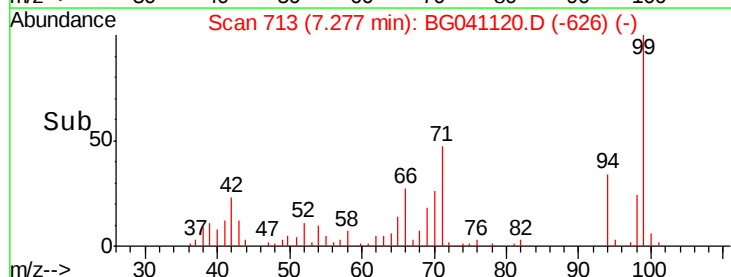
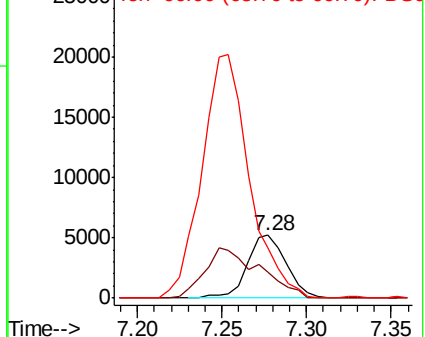
94 100

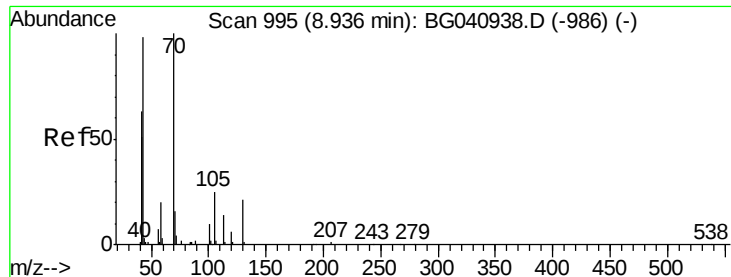
65 42.3 17.0 57.0

66 79.8 32.4 72.4#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 19.161 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.34 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-008-ABCD

Tgt Ion: 70 Resp: 53721

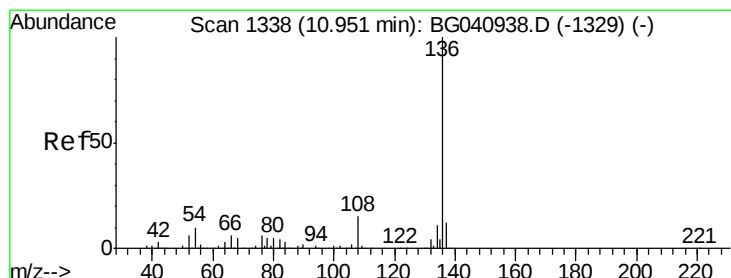
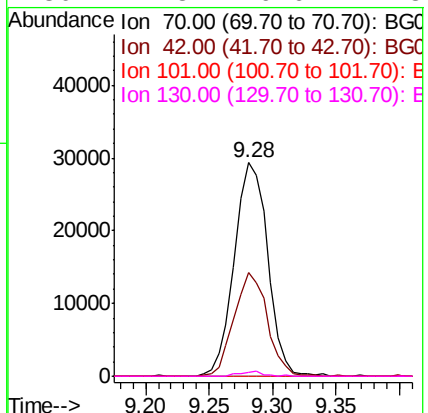
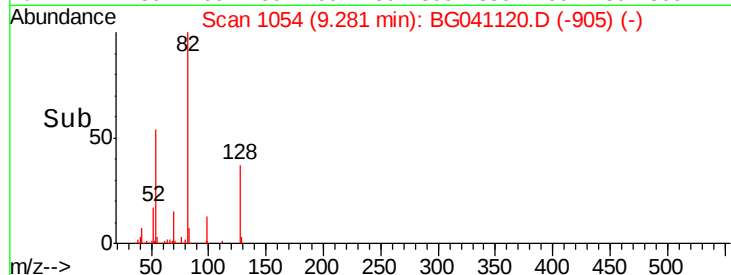
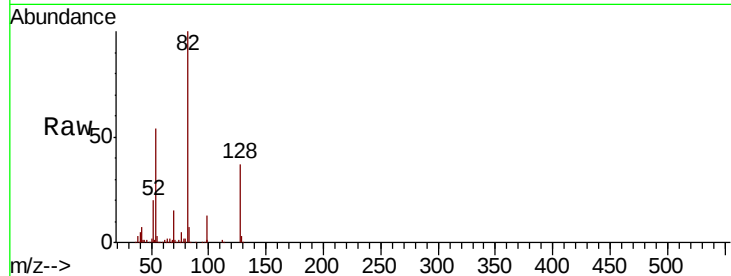
Ion Ratio Lower Upper

70 100

42 48.7 51.5 77.3#

101 0.0 8.1 12.1#

130 1.8 16.6 24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.03 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

Tgt Ion: 136 Resp: 174193

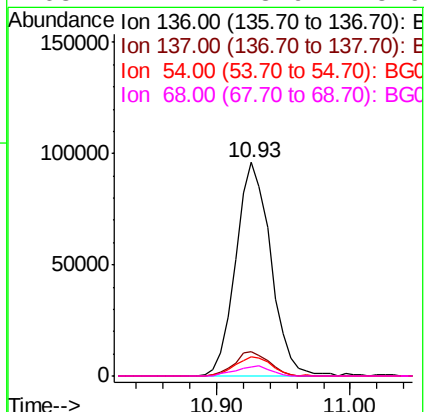
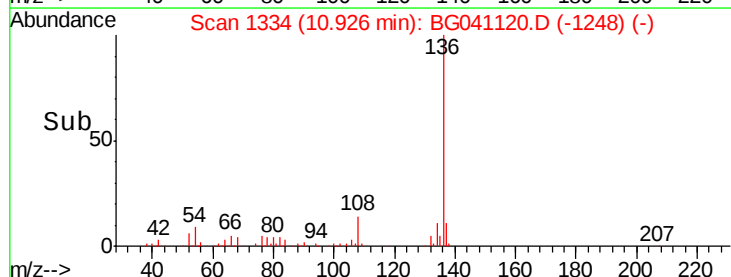
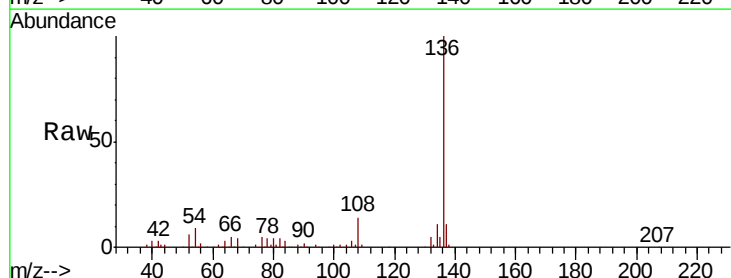
Ion Ratio Lower Upper

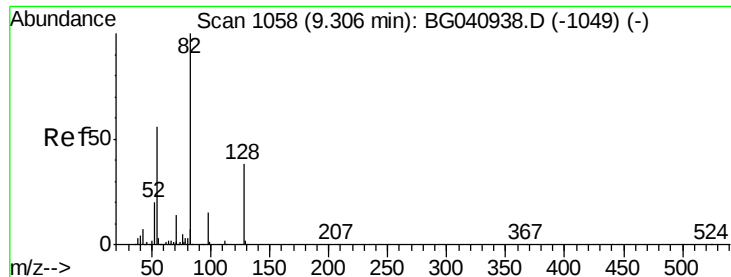
136 100

137 11.3 9.5 14.3

54 9.1 7.6 11.4

68 4.2 3.9 5.9

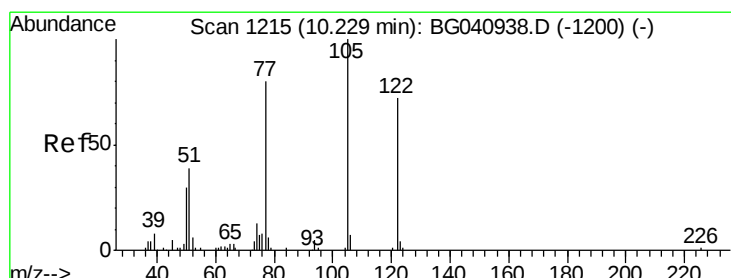
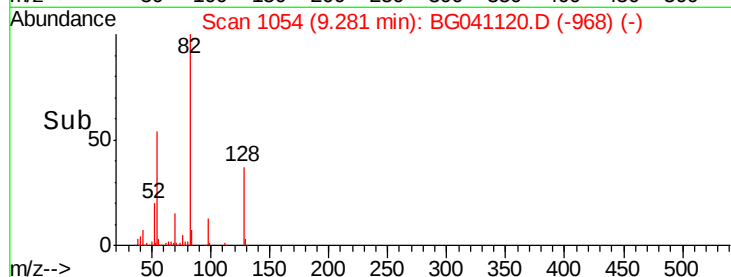
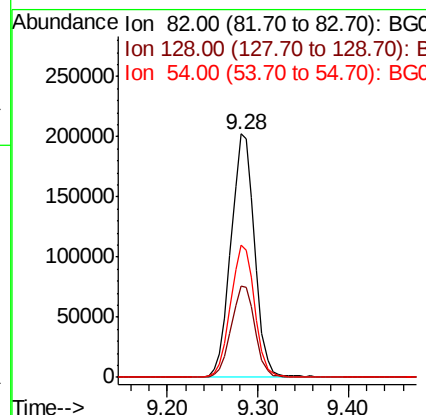
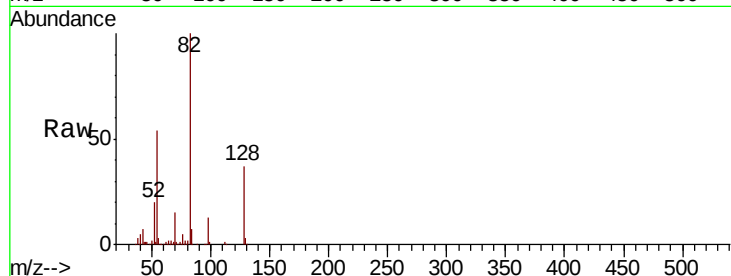




#23
 Nitrobenzene-d5
 Concen: 93.733 ng
 RT: 9.28 min Scan# 1054
 Delta R.T. -0.03 min
 Lab File: BG041120.D
 Acq: 8 Jun 2019 5:23

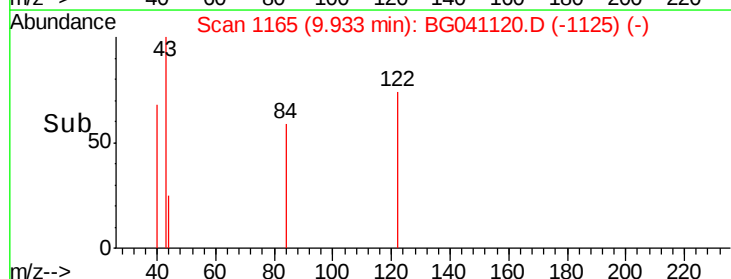
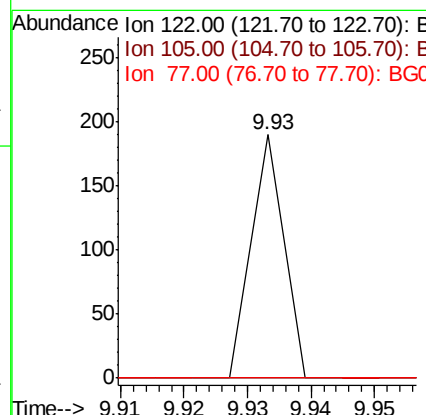
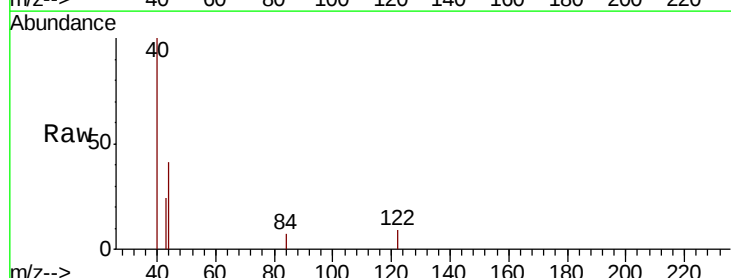
Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-03-008-ABCD

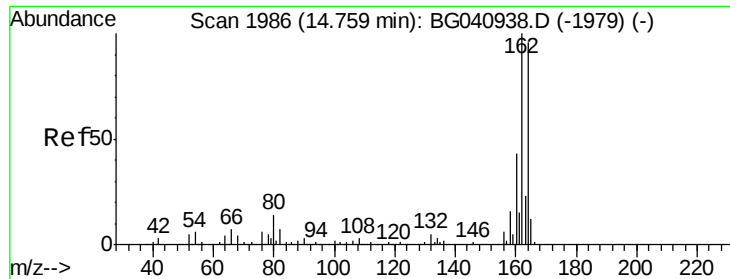
Tgt Ion: 82 Resp: 367791
 Ion Ratio Lower Upper
 82 100
 128 37.3 30.5 45.7
 54 54.4 44.6 66.8



#32
 Benzoic acid
 Concen: 8.156 ng
 RT: 9.93 min Scan# 1165
 Delta R.T. -0.29 min
 Lab File: BG041120.D
 Acq: 8 Jun 2019 5:23

Tgt Ion: 122 Resp: 67
 Ion Ratio Lower Upper
 122 100
 105 0.0 114.8 154.8#
 77 0.0 89.9 129.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-008-ABCD

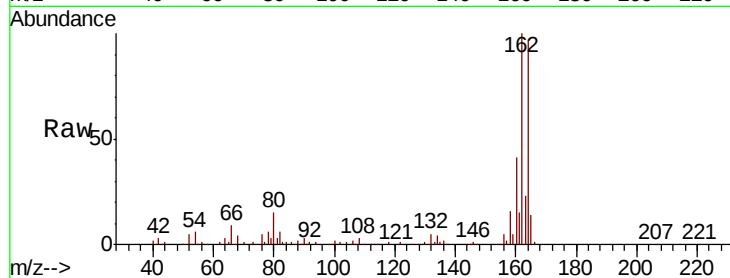
Tgt Ion:164 Resp: 137651

Ion Ratio Lower Upper

164 100

162 103.1 83.0 124.4

160 42.1 35.6 53.4

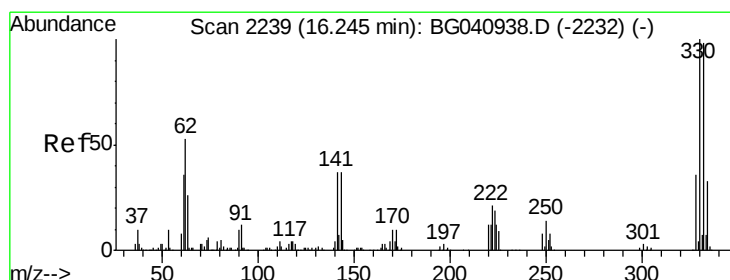
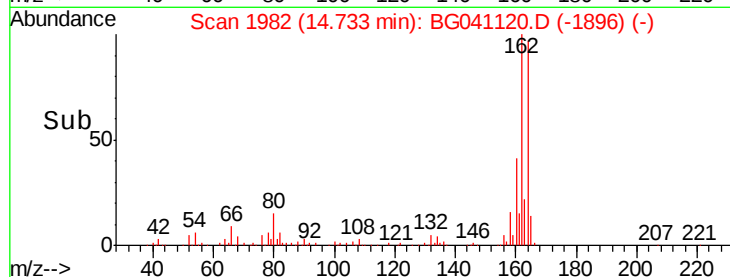
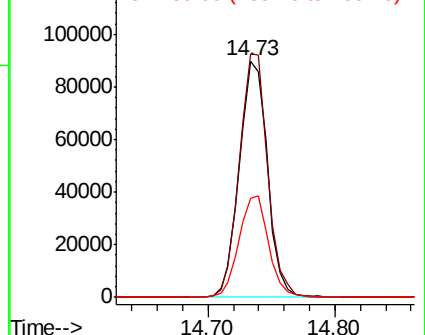


Abundance

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: 146.788 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

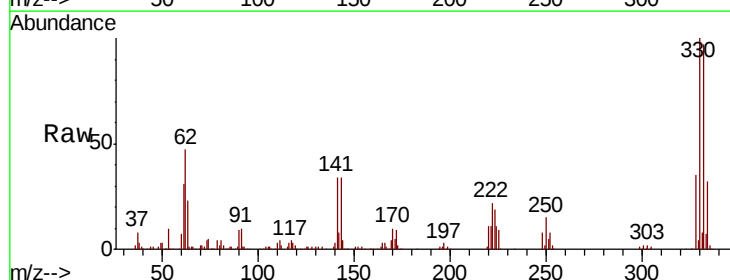
Tgt Ion:330 Resp: 299965

Ion Ratio Lower Upper

330 100

332 97.3 78.5 117.7

141 36.5 28.7 43.1

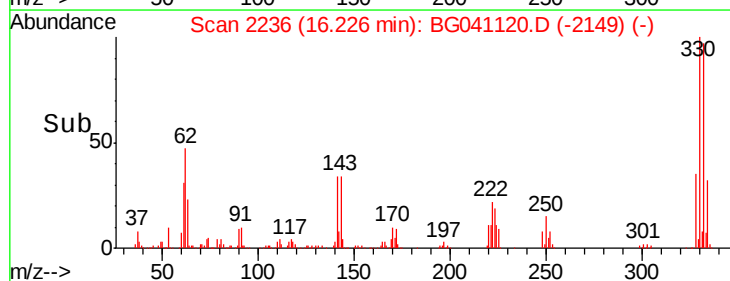
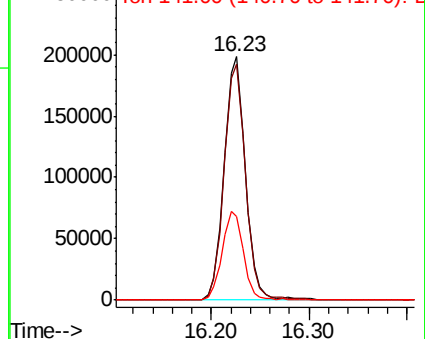


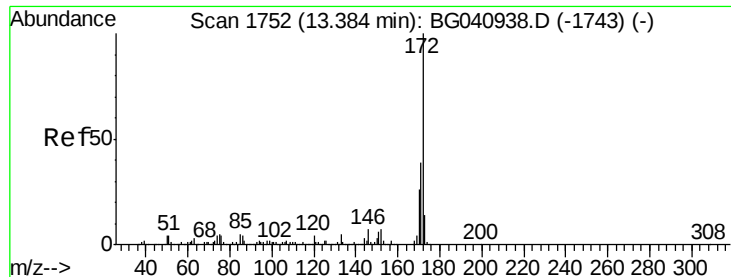
Abundance

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

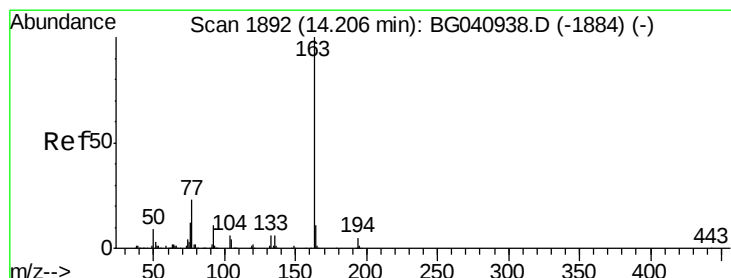
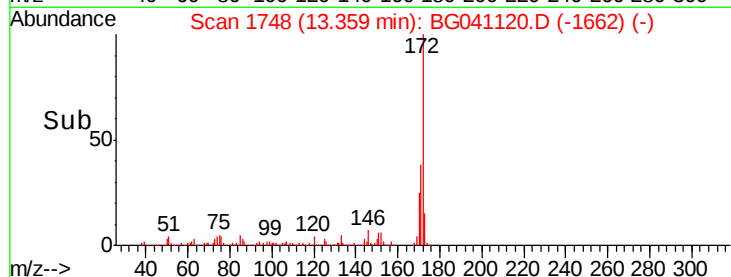
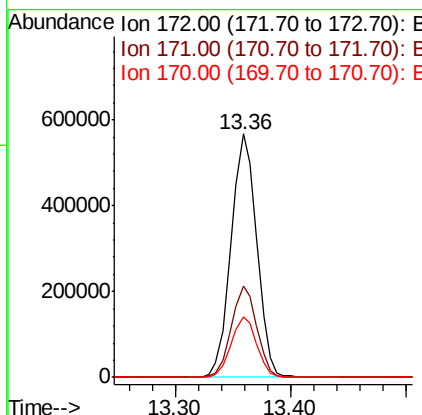
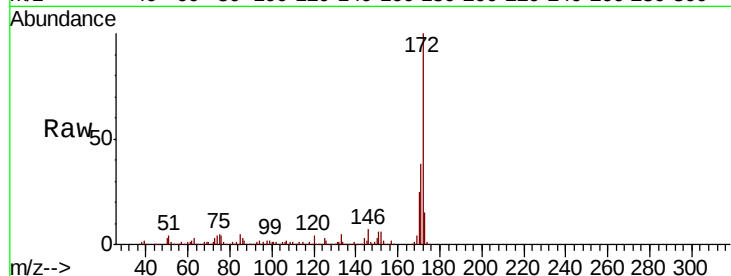




#45
2-Fluorobiphenyl
Concen: 91.386 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.03 min
Lab File: BG041120.D
Acq: 8 Jun 2019 5:23

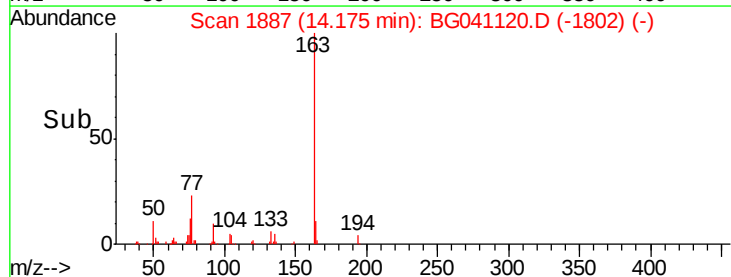
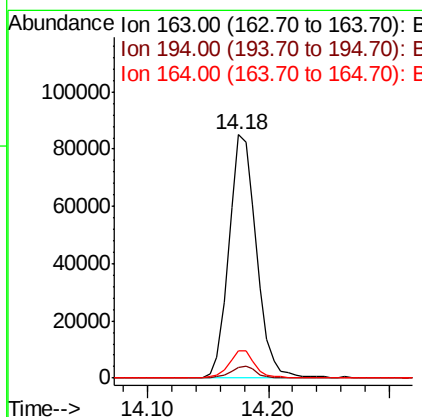
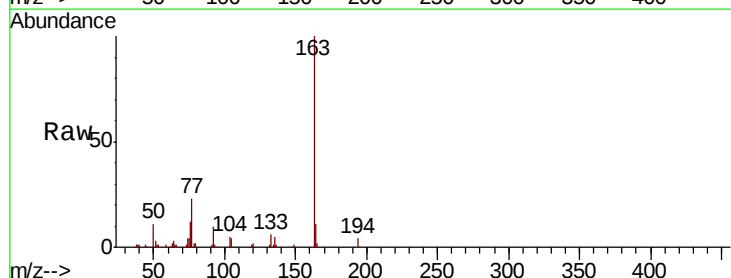
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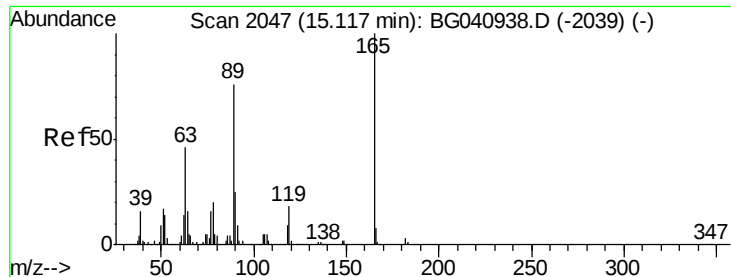
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.1	46.7
170	25.0	20.5	30.7



#50
Dimethylphthalate
Concen: 11.592 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.03 min
Lab File: BG041120.D
Acq: 8 Jun 2019 5:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.8	5.8
164	11.3	8.7	13.1

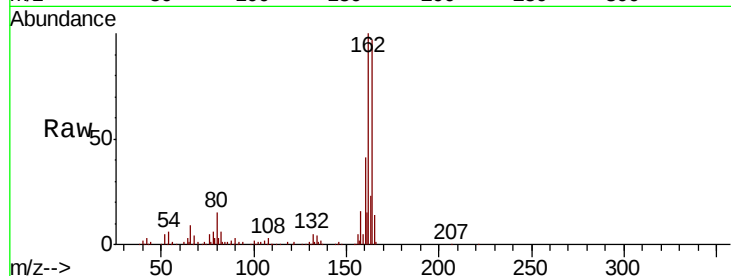




#57
 2,4-Dinitrotoluene
 Concen: 4.879 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.38 min
 Lab File: BG041120.D
 Acq: 8 Jun 2019 5:23

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-03-008-ABCD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	2.8	61.0	91.6#
182	0.0	2.2	3.2#



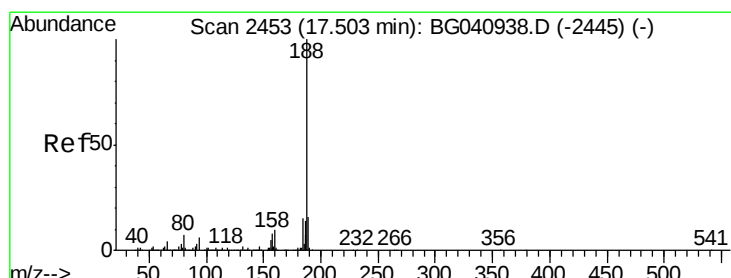
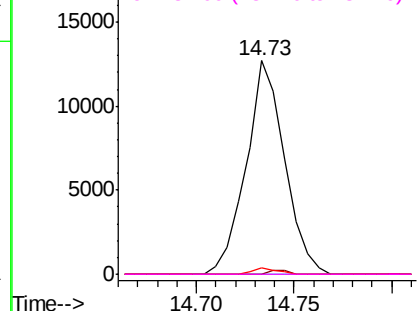
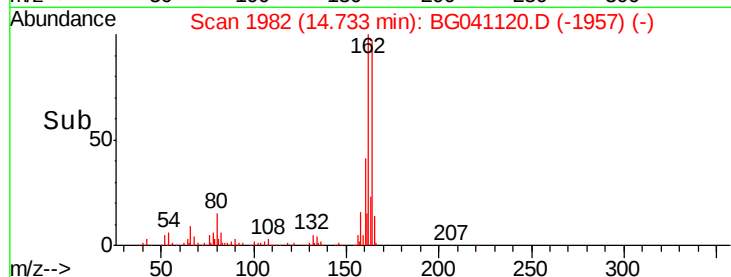
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

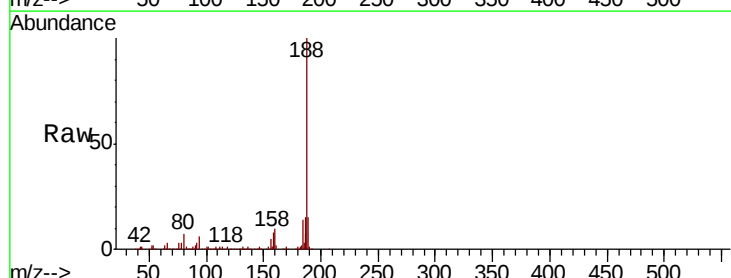
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2450
 Delta R.T. -0.02 min
 Lab File: BG041120.D
 Acq: 8 Jun 2019 5:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	4.7	7.1
80	6.6	5.8	8.8

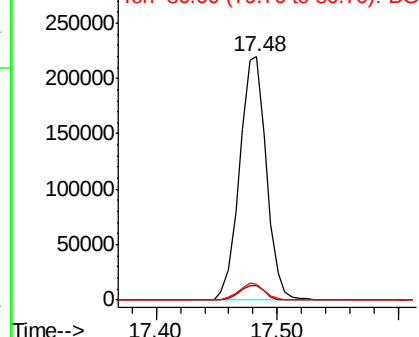
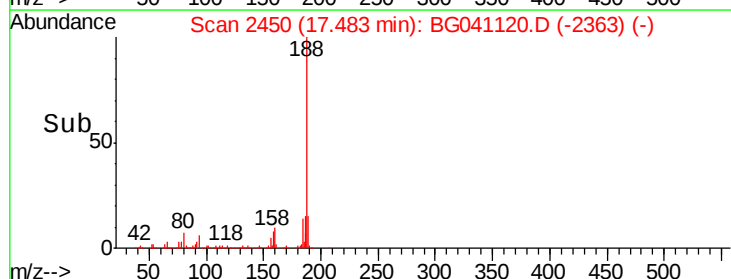


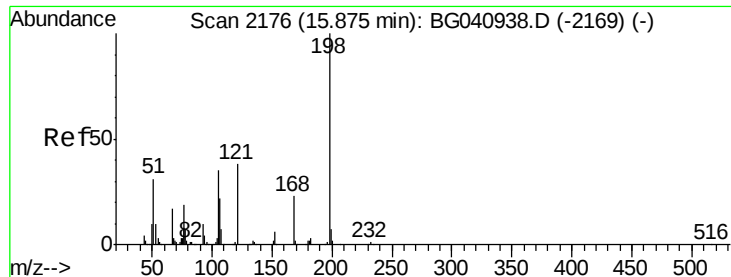
Abundance

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

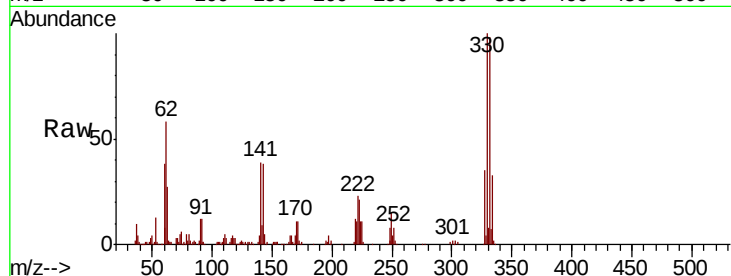




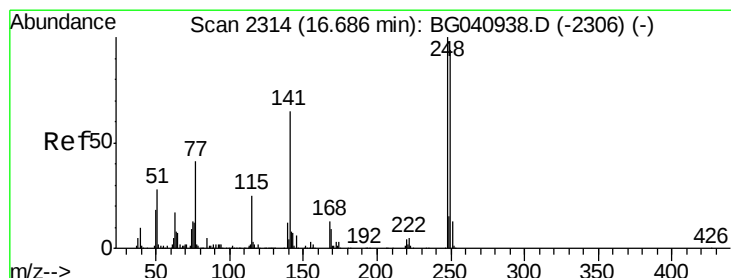
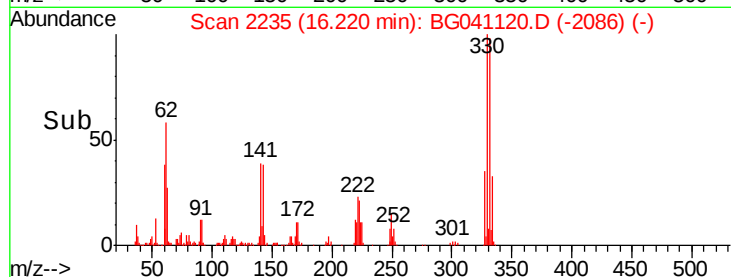
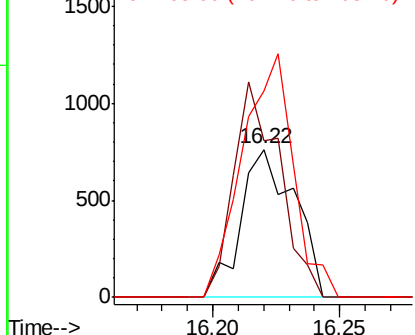
#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.101 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. 0.34 min
 Lab File: BG041120.D
 Acq: 8 Jun 2019 5:23

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-03-008-ABCD

Tgt Ion:198 Resp: 1134
 Ion Ratio Lower Upper
 198 100
 51 22.4 21.6 61.6
 105 29.4 17.5 57.5

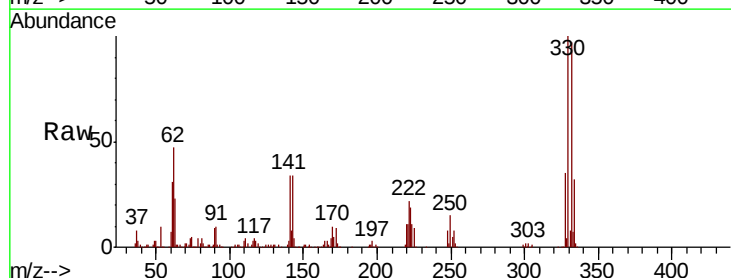


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

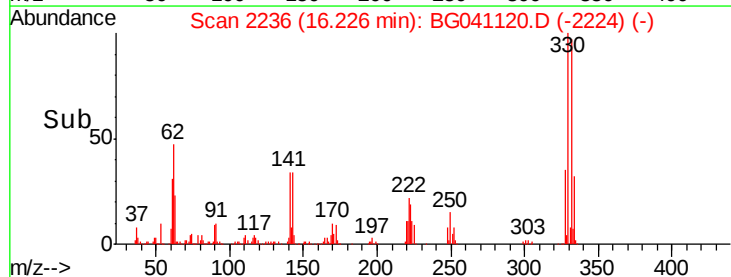
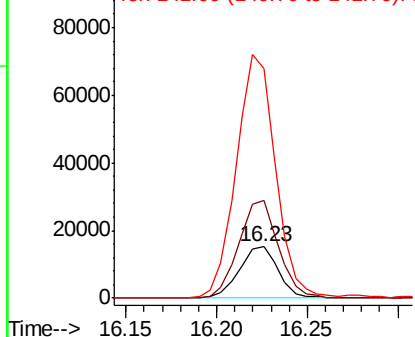


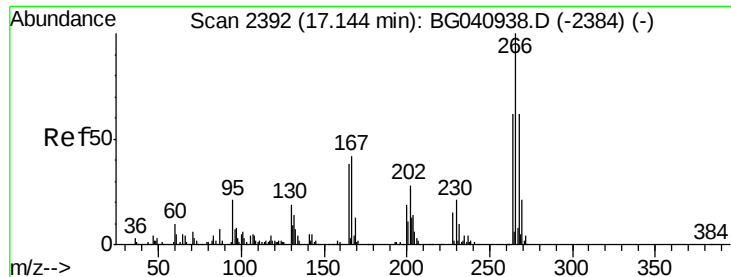
#67
 4-Bromophenyl-phenylether
 Concen: 4.936 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. -0.46 min
 Lab File: BG041120.D
 Acq: 8 Jun 2019 5:23

Tgt Ion:248 Resp: 22633
 Ion Ratio Lower Upper
 248 100
 250 189.7 75.0 112.4#
 141 447.0 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: 4.277 ng

RT: 16.91 min Scan# 2353

Delta R.T. -0.23 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-008-ABCD

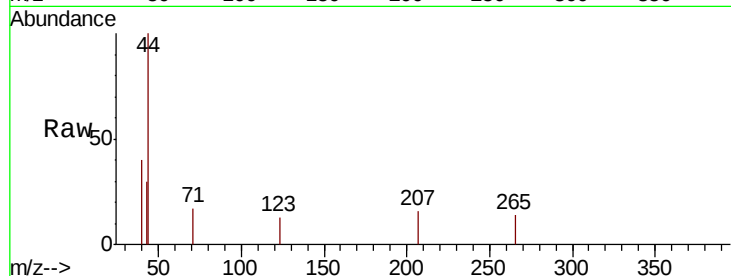
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

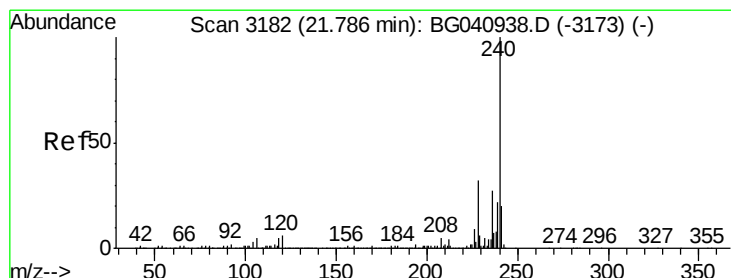
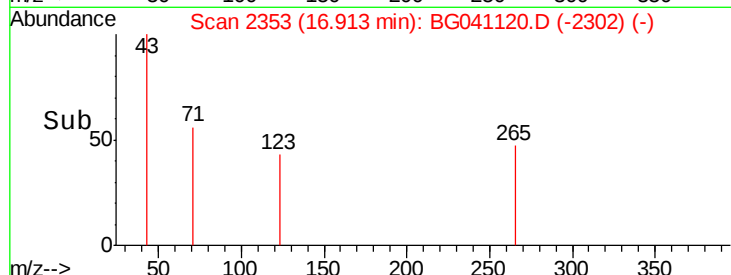
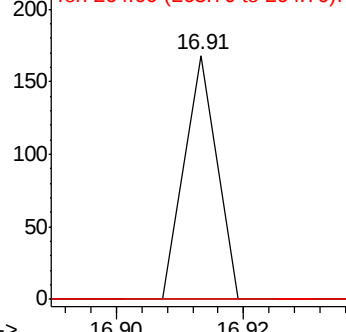
264 0.0 49.9 74.9#



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: 21.75 min Scan# 3177

Delta R.T. -0.03 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

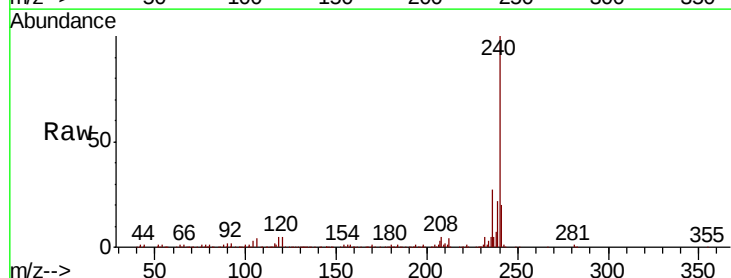
Tgt Ion:240 Resp: 336557

Ion Ratio Lower Upper

240 100

120 4.9 4.5 6.7

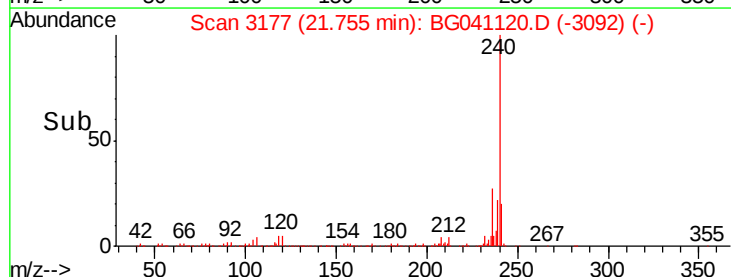
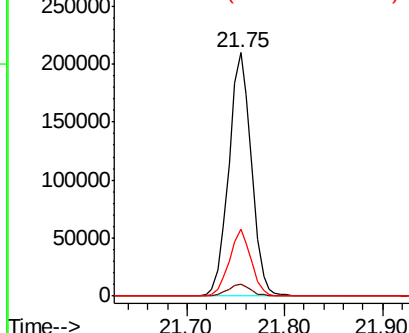
236 27.4 21.3 31.9

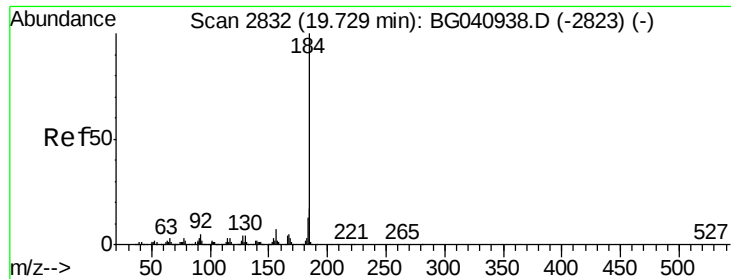


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.918 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.34 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

Instrument :

BNA_G

ClientSampleId :

FK-BPM-03-008-ABCD

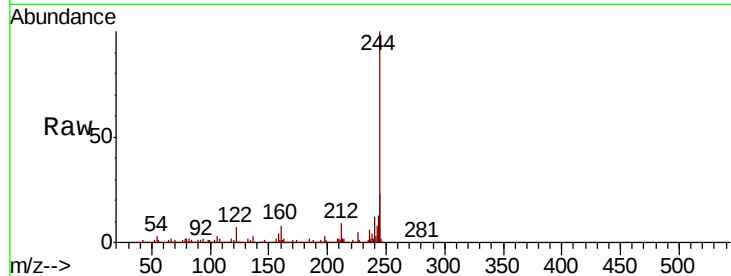
Tgt Ion:184 Resp: 23430

Ion Ratio Lower Upper

184 100

185 18.1 13.3 19.9

183 6.5 10.7 16.1#

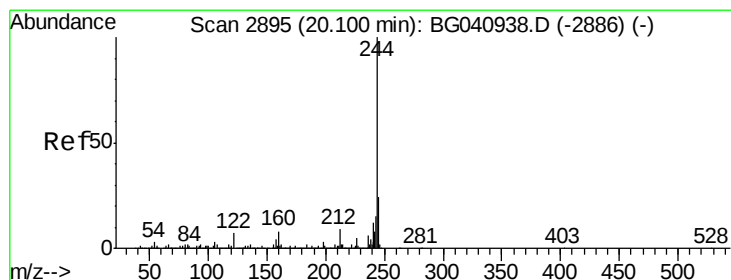
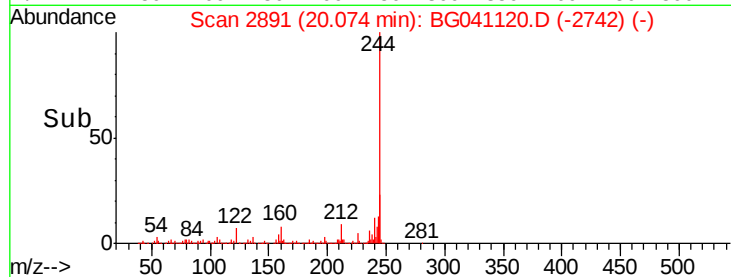
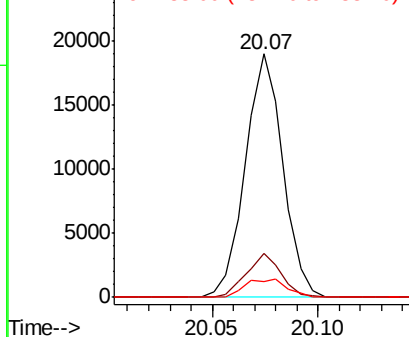


Abundance

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: 87.013 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BG041120.D

Acq: 8 Jun 2019 5:23

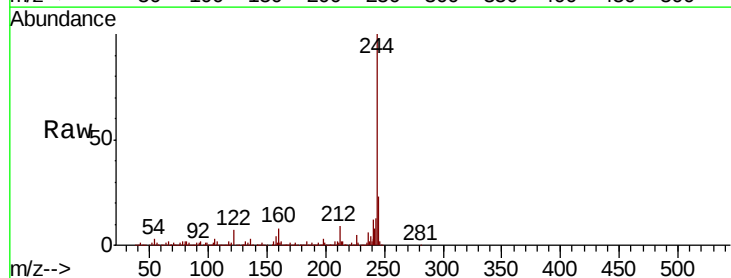
Tgt Ion:244 Resp: 1379827

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

122 7.1 5.4 8.0

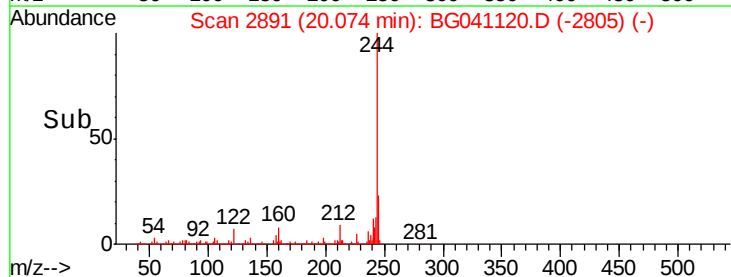
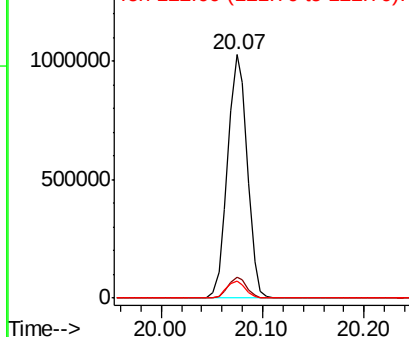


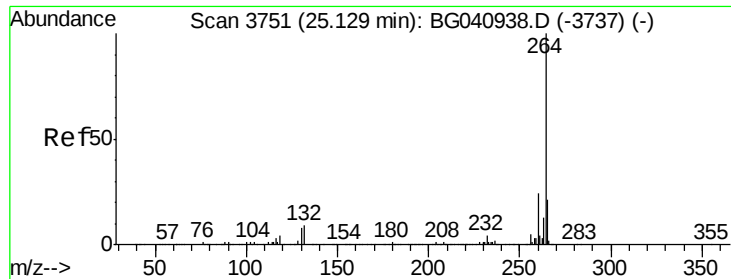
Abundance

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
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3743
 Delta R.T. -0.05 min
 Lab File: BG041120.D
 Acq: 8 Jun 2019 5:23

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-03-008-ABCD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	19.1	17.0	25.4

