

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041013.D
 Acq On : 1 Jun 2019 15:32
 Operator : HP/JU
 Sample : K3111-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-01-D1-D2-D1A-D2A

Quant Time: Jun 03 01:12:41 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	8.12	152	56819	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	224857	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	164144	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	418036	20.00	ng	0.00
76) Chrysene-d12	21.77	240	412483	20.00	ng	-0.01
87) Perylene-d12	25.11	264	437478	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	380973	120.91	ng	0.00
7) Phenol-d6	7.27	99	560045	115.08	ng	0.00
23) Nitrobenzene-d5	9.30	82	397448	78.47	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	292527	120.04	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	933657	81.91	ng	0.00
79) Terphenyl-d14	20.09	244	1557924	80.16	ng	0.00

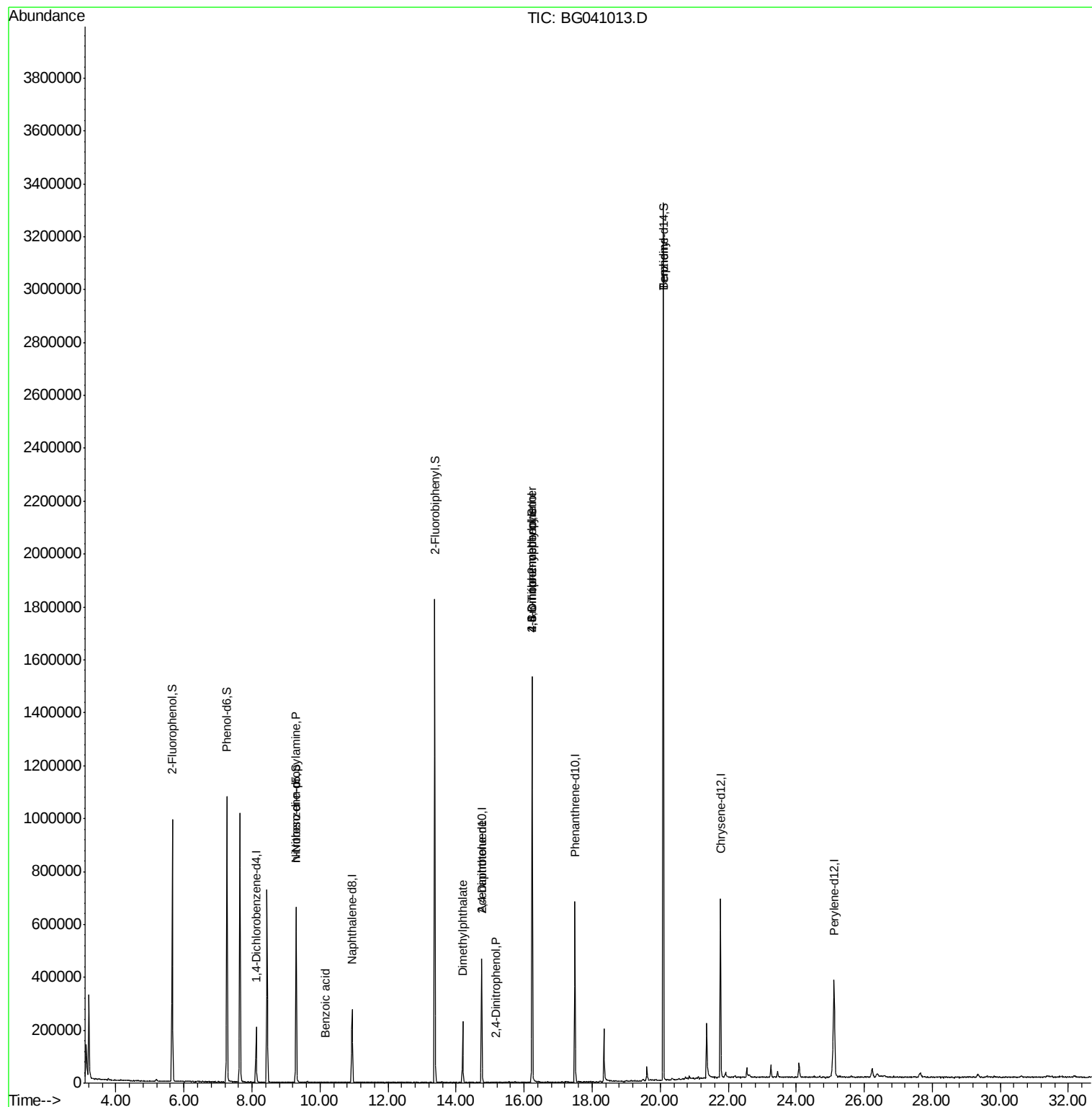
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	58409	15.597	ng	# 71
32) Benzoic acid	10.17	122	62	8.149	ng	# 1
50) Dimethylphthalate	14.19	163	150635	10.841	ng	97
54) 2,4-Dinitrophenol	15.17	184	54	8.294	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	20969	4.955	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.24	198	987	8.951	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	21697	3.846	ng	# 1
77) Benzidine	20.09	184	26972	2.741	ng	97

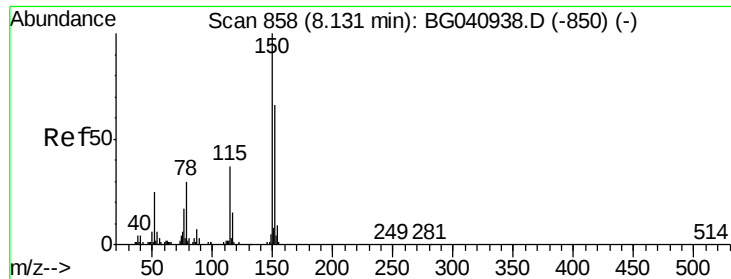
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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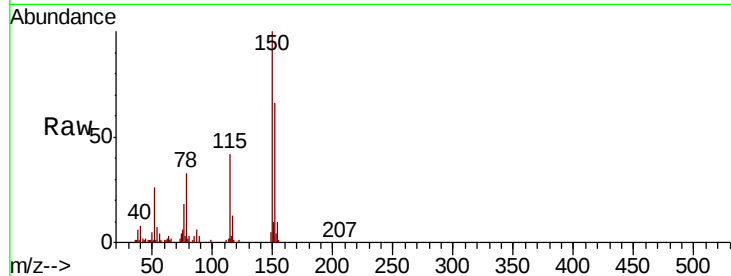


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Instrument :
BNA_G
ClientSampleId :
FK-BPM-01-D1-D2-D1A-D2A

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	120.6	180.8
115	62.4	45.1	67.7

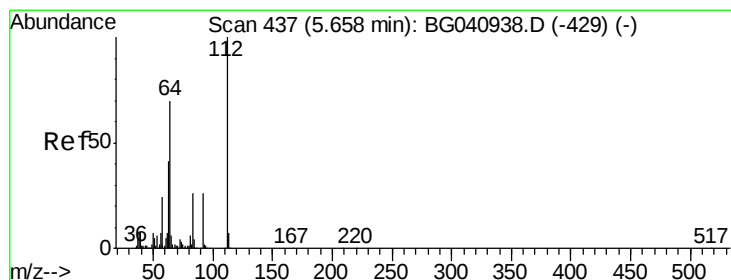
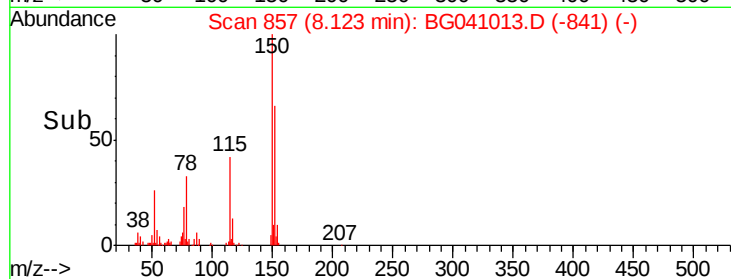
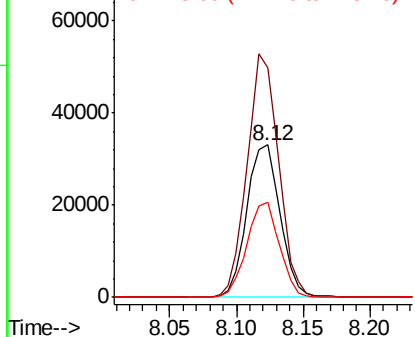


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

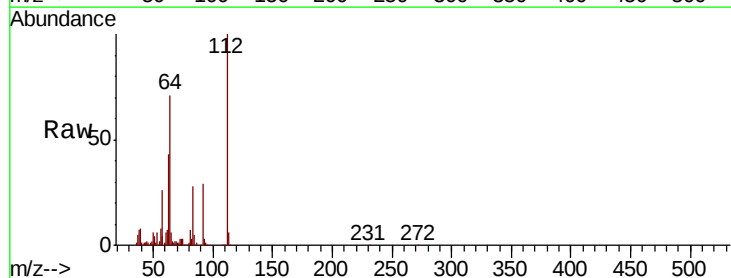
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.906 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.2	56.2	84.2
63	42.6	32.8	49.2

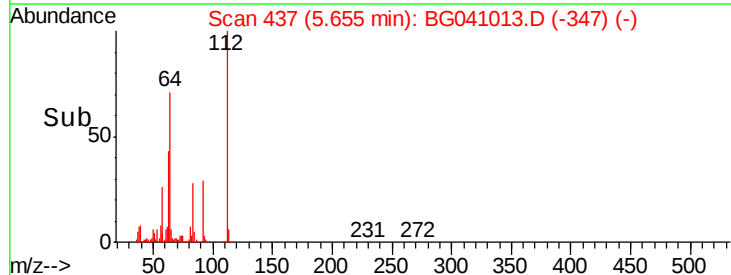
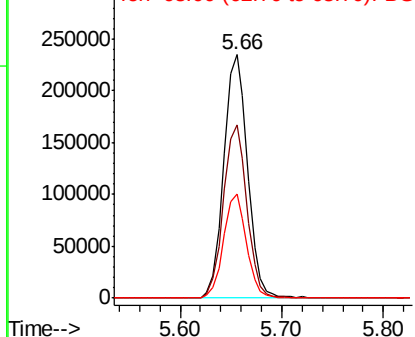


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 115.085 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-D1-D2-D1A-D2A

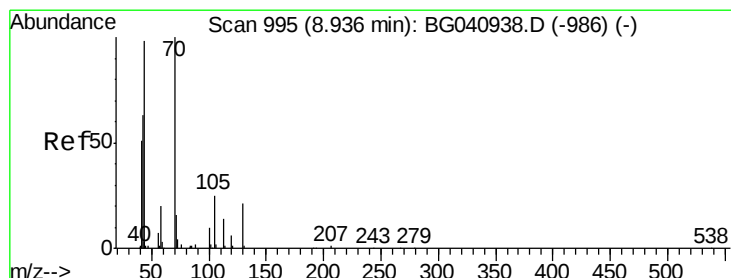
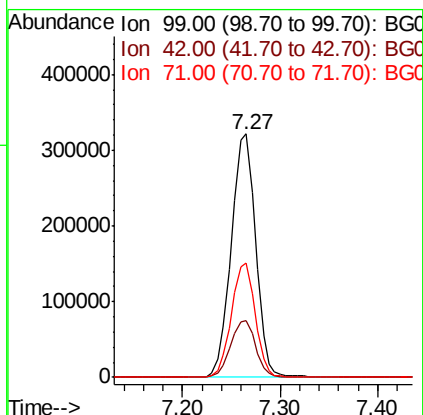
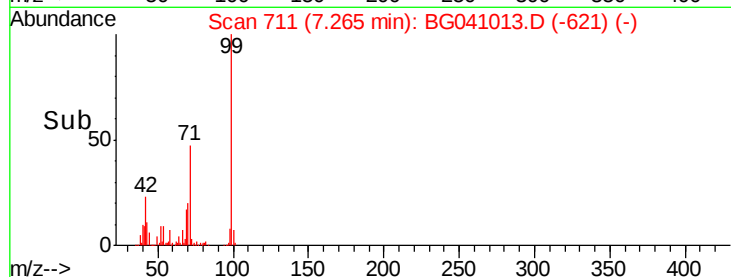
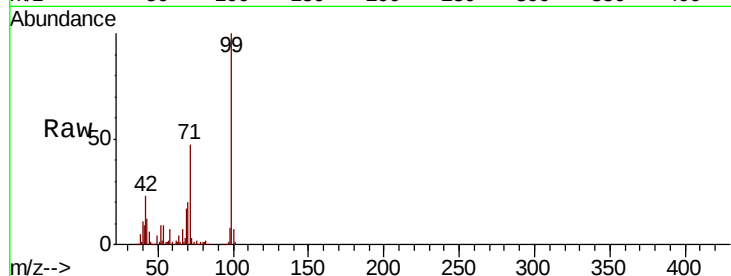
Tot Ion: 99 Resp: 560045

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

71 47.1 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.597 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Tgt Ion: 70 Resp: 58409

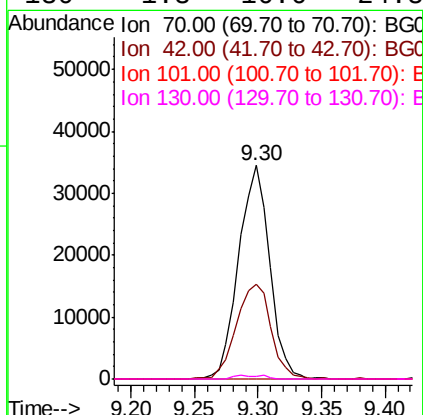
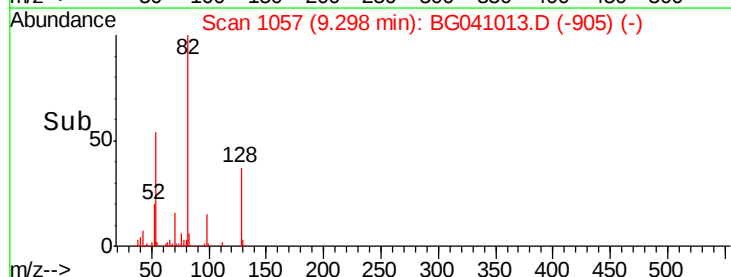
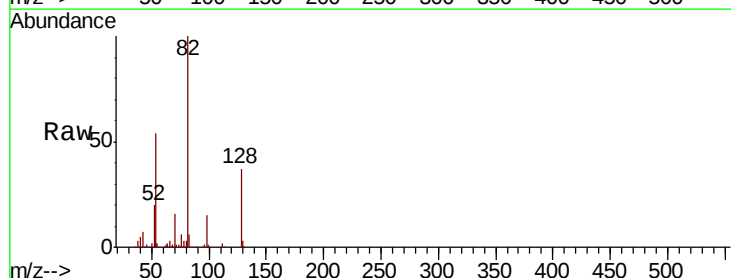
Ion Ratio Lower Upper

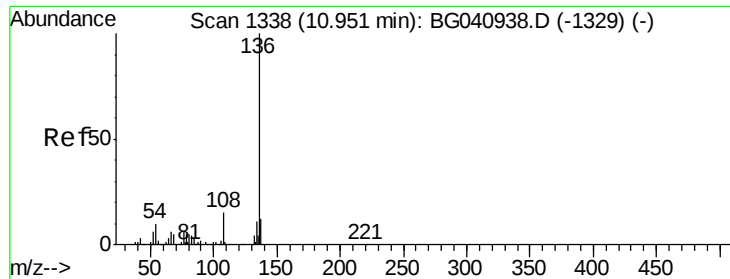
70 100

42 44.3 51.5 77.3#

101 0.0 8.1 12.1#

130 1.3 16.6 24.8#

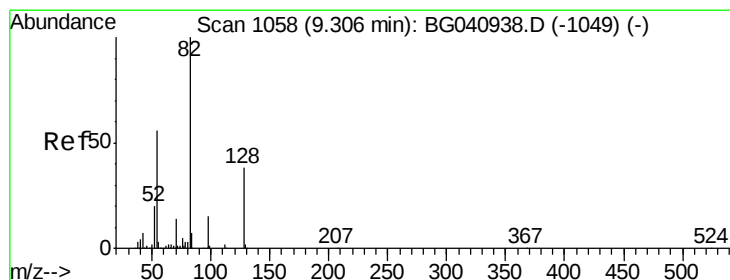
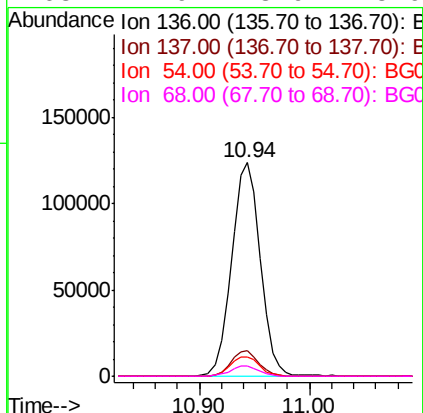
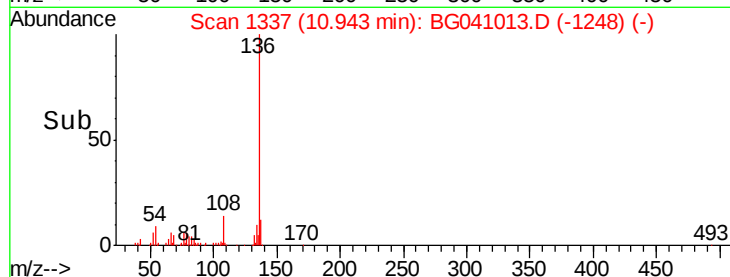
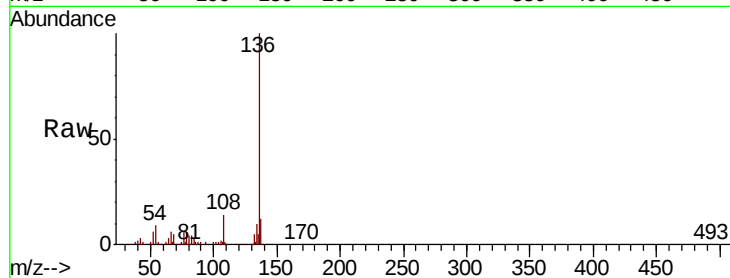




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

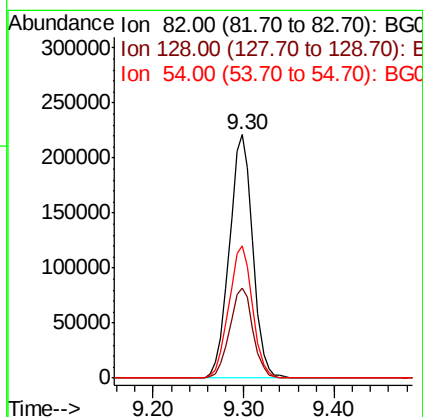
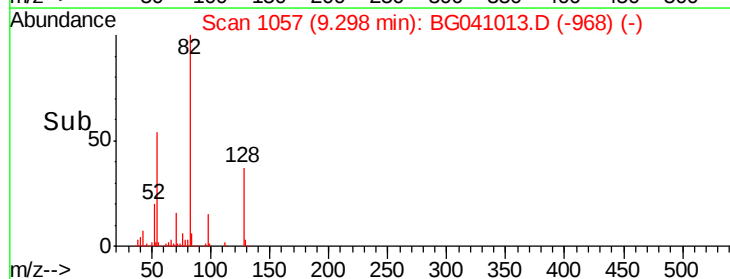
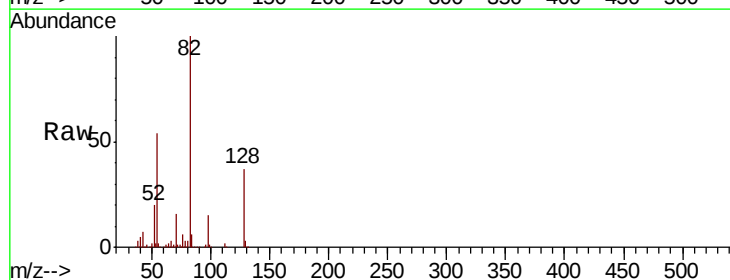
Instrument :
BNA_G
ClientSampleId :
FK-BPM-01-D1-D2-D1A-D2A

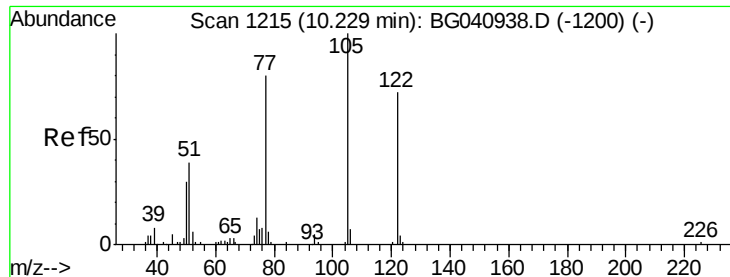
Tot Ion:136	Resp:	224857
Ion Ratio	Lower	Upper
136 100		
137 12.0	9.5	14.3
54 8.9	7.6	11.4
68 4.9	3.9	5.9



#23
Nitrobenzene-d5
Concen: 78.468 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Tgt Ion: 82	Resp: 397448
Ion Ratio	Lower Upper
82 100	
128 36.8	30.5 45.7
54 54.2	44.6 66.8





#32

Benzoic acid

Concen: 8.149 ng

RT: 10.17 min Scan# 1205

Delta R.T. -0.06 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-D1-D2-D1A-D2A

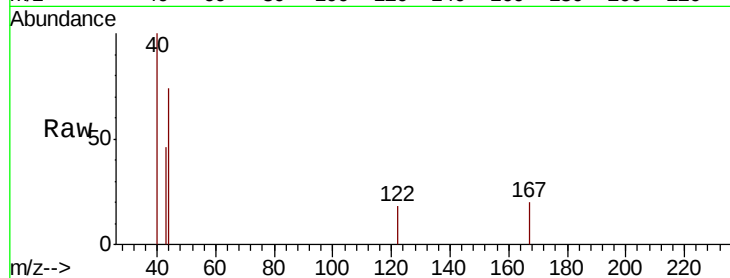
Tot Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

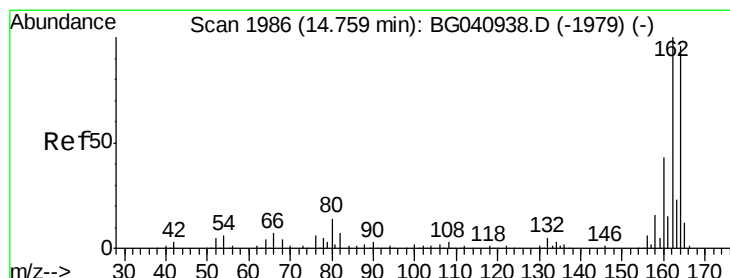
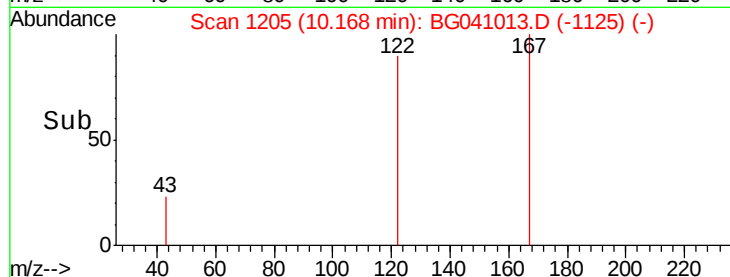
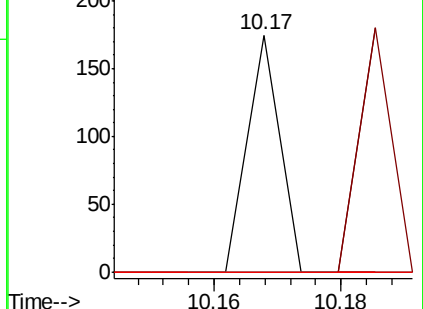
77 0.0 89.9 129.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

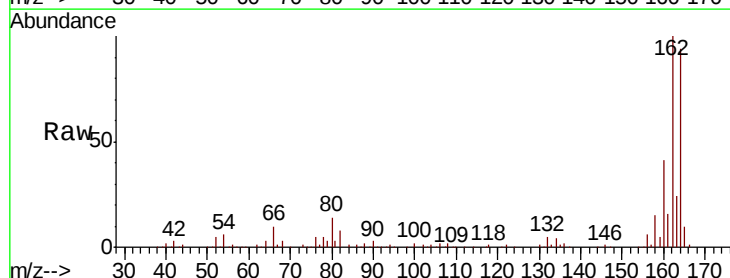
Tgt Ion:164 Resp: 164144

Ion Ratio Lower Upper

164 100

162 106.6 83.0 124.4

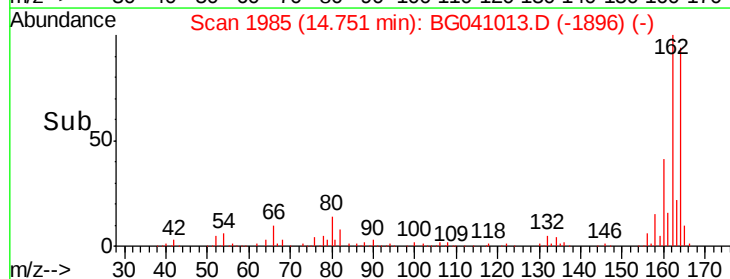
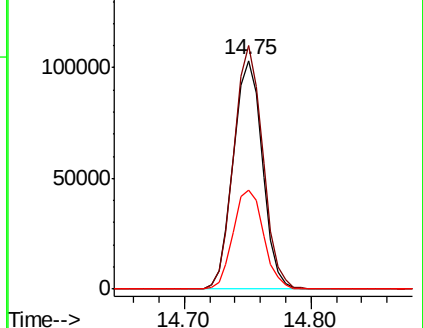
160 43.5 35.6 53.4

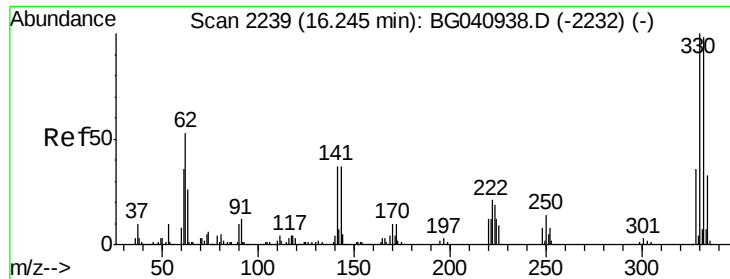


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

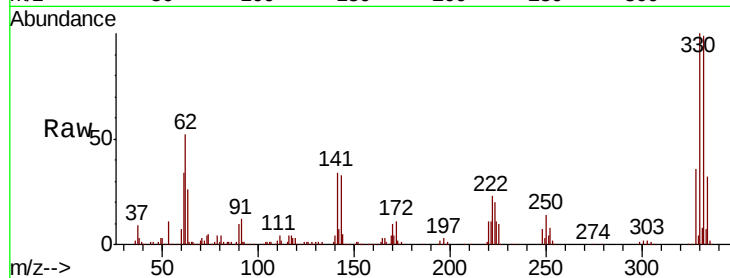




#42
 2,4,6-Tribromophenol
 Concen: 120.044 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG041013.D
 Acq: 1 Jun 2019 15:32

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-01-D1-D2-D1A-D2A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.5	117.7
141	36.5	28.7	43.1

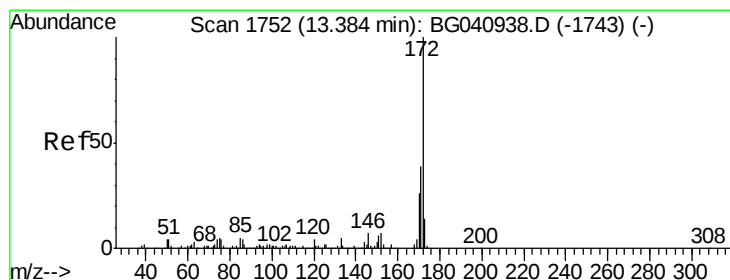
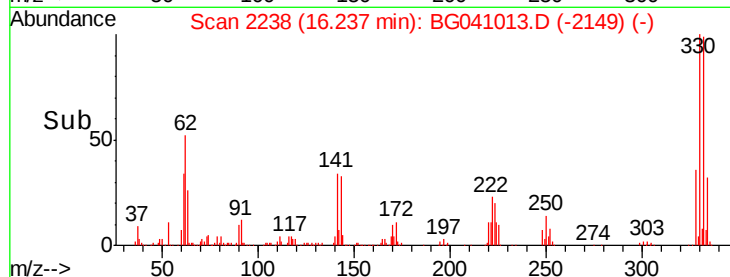
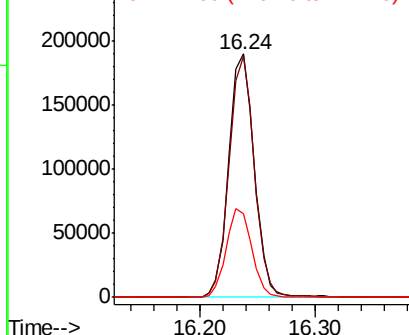


Abundance

Ion 329.80 (329.50 to 330.50): E

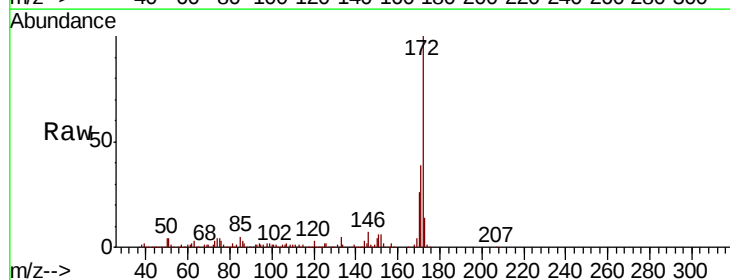
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.914 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG041013.D
 Acq: 1 Jun 2019 15:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.1	46.7
170	25.5	20.5	30.7

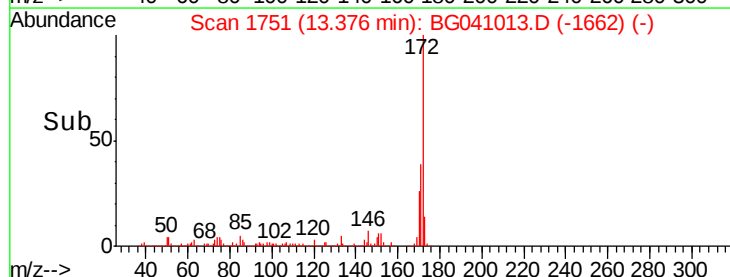
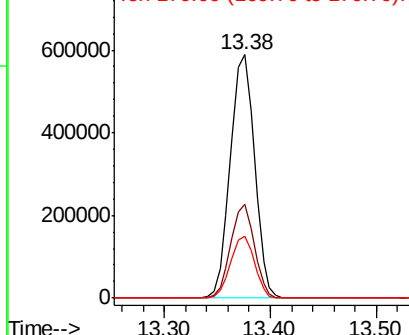


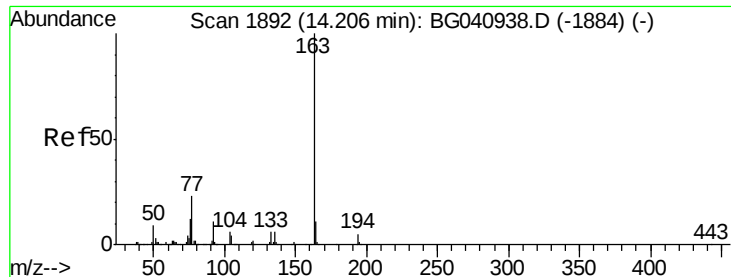
Abundance

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

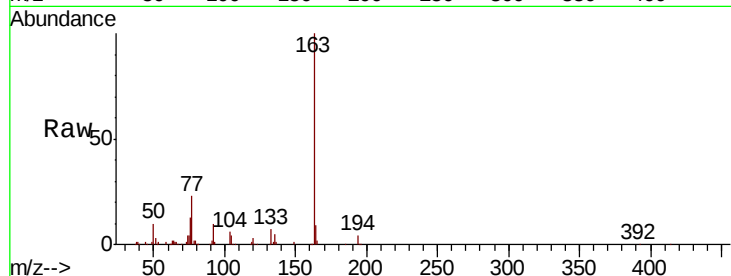




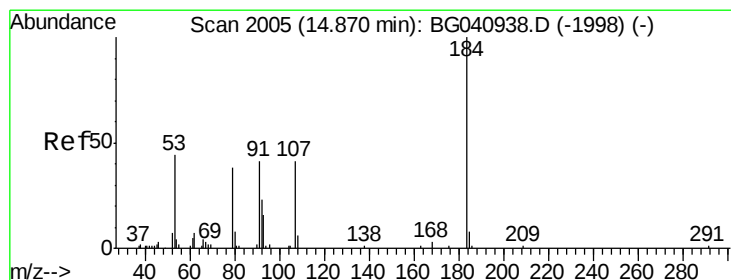
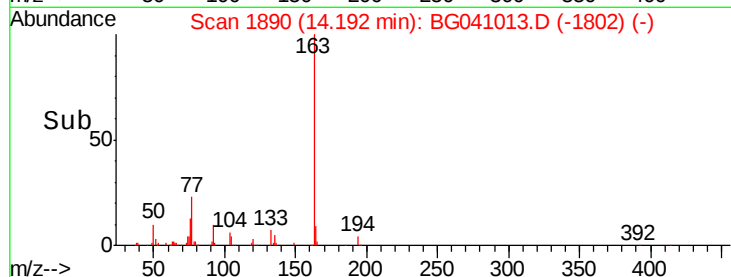
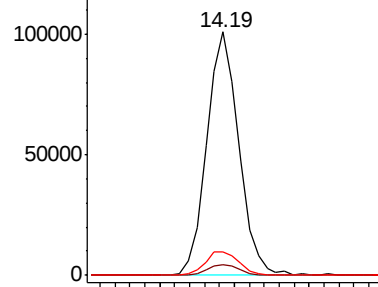
#50
Dimethylphthalate
Concen: 10.841 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Instrument :
BNA_G
ClientSampleId :
FK-BPM-01-D1-D2-D1A-D2A

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.8	5.8
164	9.4	8.7	13.1

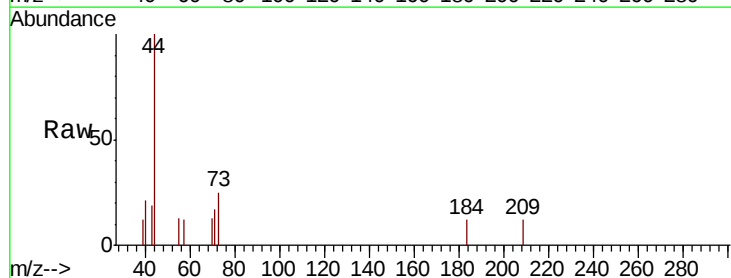


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

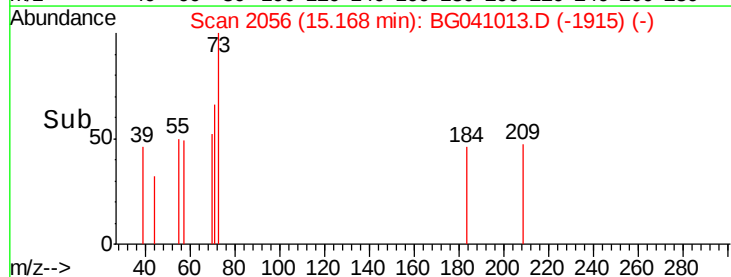
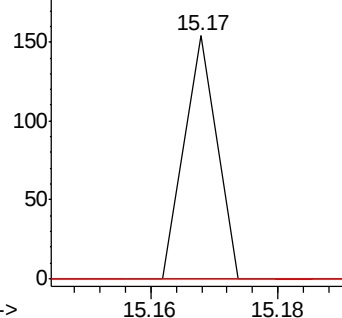


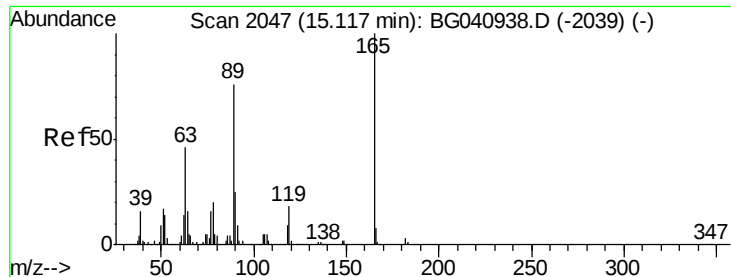
#54
2,4-Dinitrophenol
Concen: 8.294 ng
RT: 15.17 min Scan# 2056
Delta R.T. 0.30 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.8	74.6#
154	0.0	52.2	78.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 4.955 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-D1-D2-D1A-D2A

Tot Ion:165 Resp: 20969

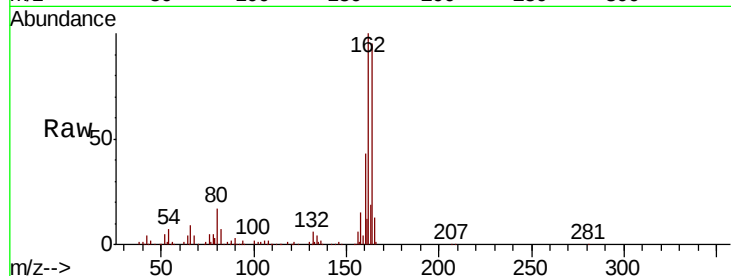
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 2.9 61.0 91.6#

182 0.0 2.2 3.2#

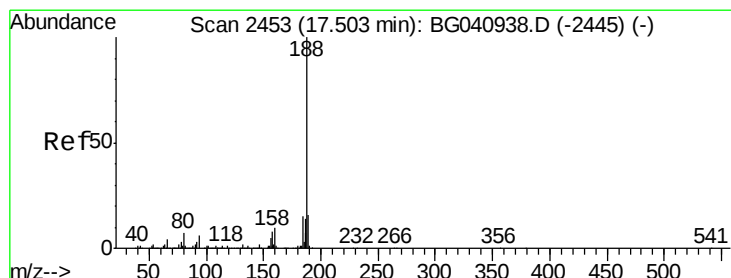
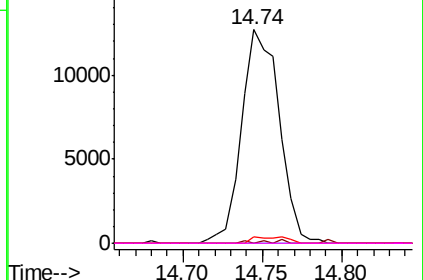
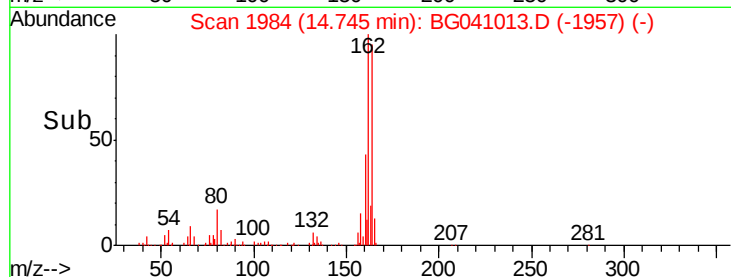


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

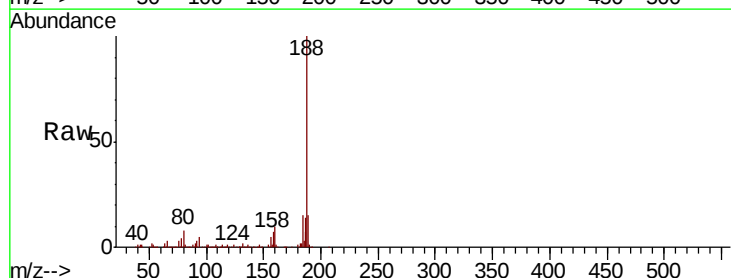
Tgt Ion:188 Resp: 418036

Ion Ratio Lower Upper

188 100

94 5.4 4.7 7.1

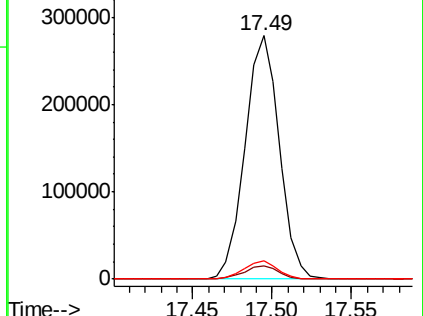
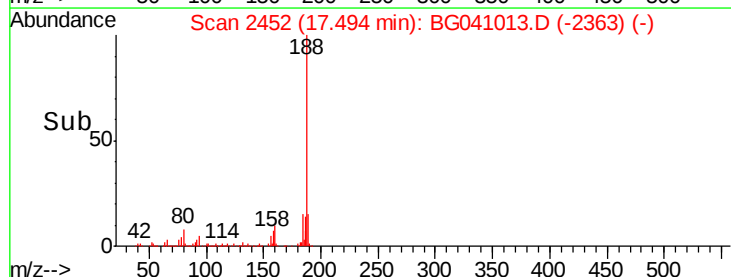
80 7.8 5.8 8.8

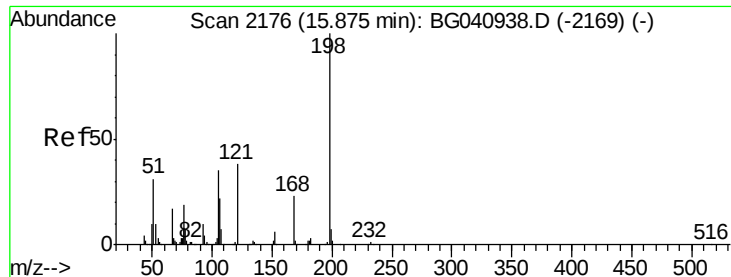


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.951 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-D1-D2-D1A-D2A

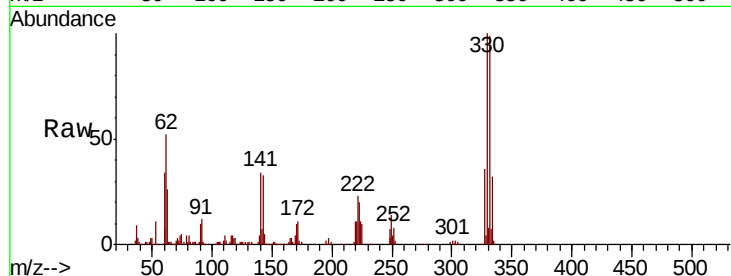
Tot Ion:198 Resp: 987

Ion Ratio Lower Upper

198 100

51 101.0 21.6 61.6#

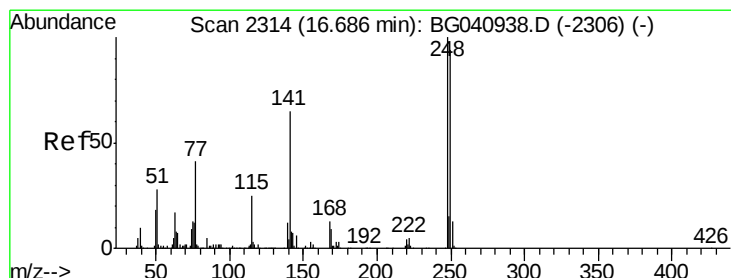
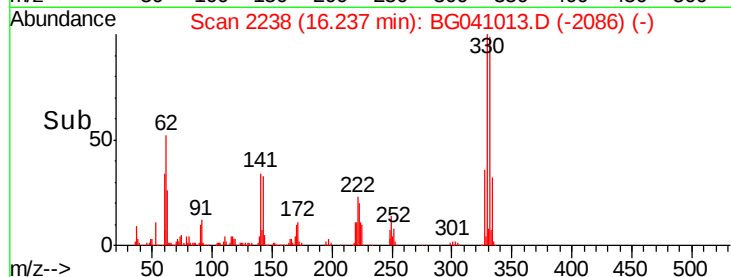
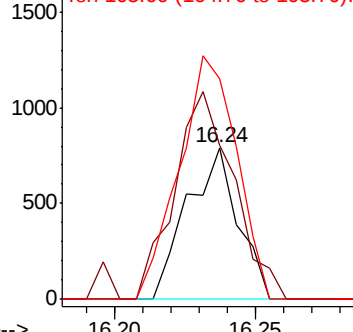
105 144.9 17.5 57.5#



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: 3.846 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

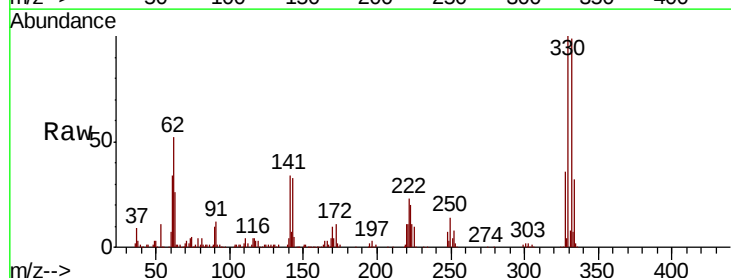
Tgt Ion:248 Resp: 21697

Ion Ratio Lower Upper

248 100

250 189.5 75.0 112.4#

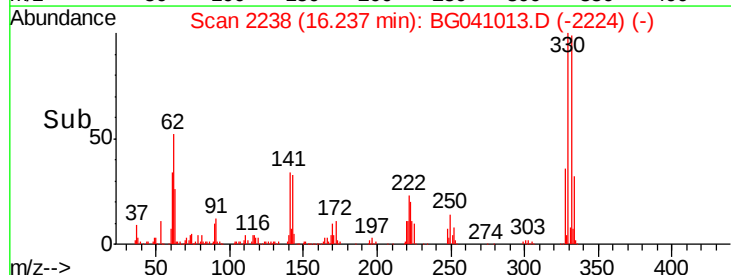
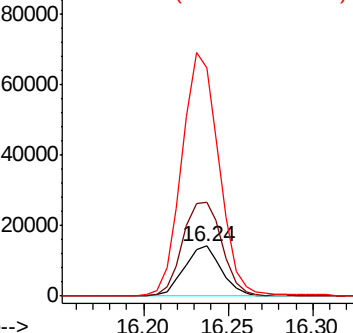
141 459.3 52.4 78.6#

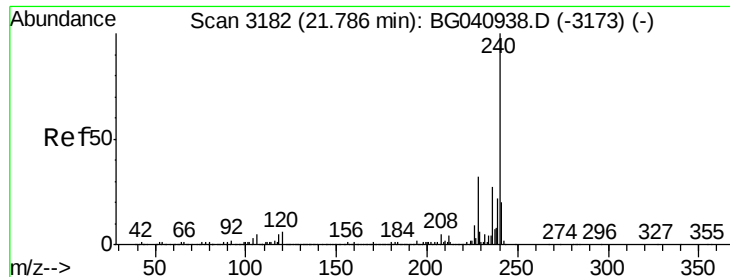


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

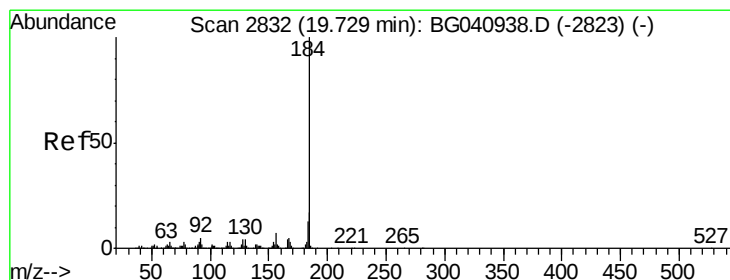
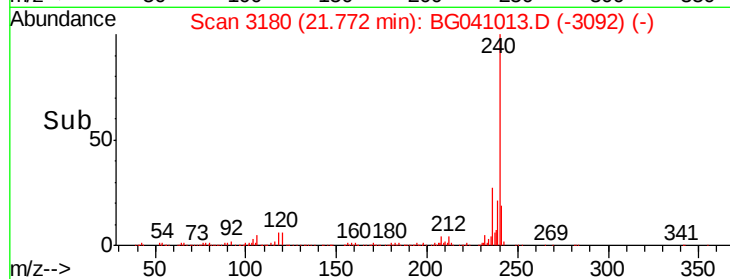
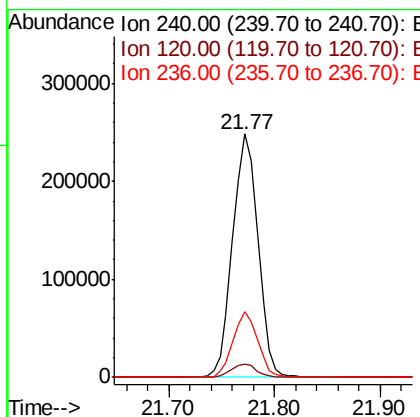
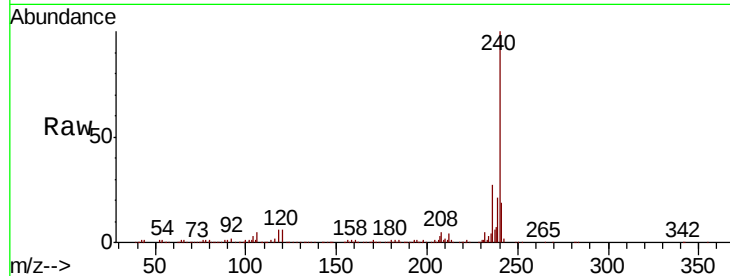




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

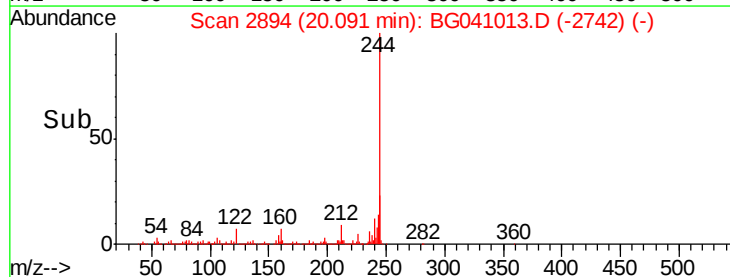
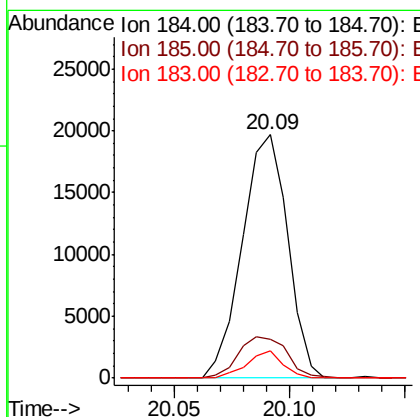
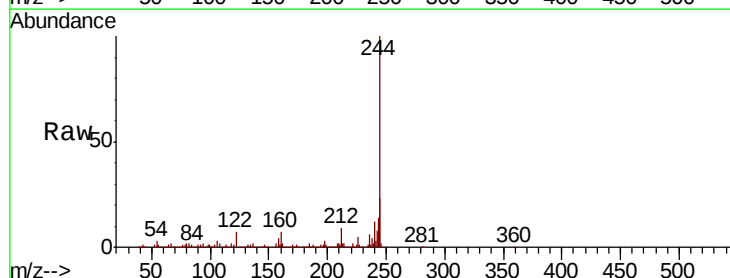
Instrument :
BNA_G
ClientSampleId :
FK-BPM-01-D1-D2-D1A-D2A

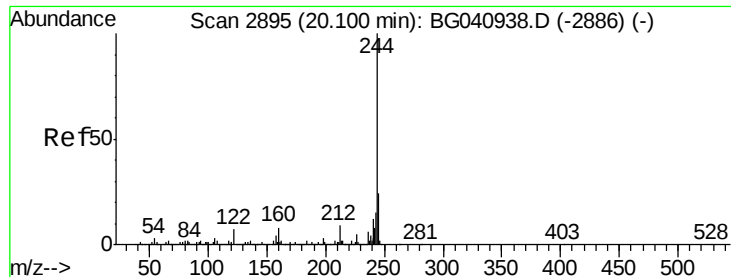
Tot Ion:240 Resp: 412483
Ion Ratio Lower Upper
240 100
120 5.5 4.5 6.7
236 26.9 21.3 31.9



#77
Benzidine
Concen: 2.741 ng
RT: 20.09 min Scan# 2894
Delta R.T. 0.36 min
Lab File: BG041013.D
Acq: 1 Jun 2019 15:32

Tgt Ion:184 Resp: 26972
Ion Ratio Lower Upper
184 100
185 15.9 13.3 19.9
183 11.4 10.7 16.1





#79

Terphenyl-d14

Concen: 80.160 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-D1-D2-D1A-D2A

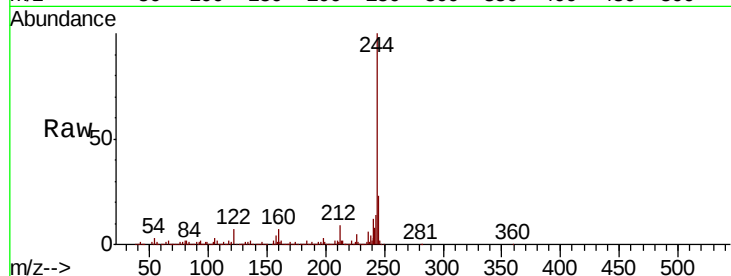
Tot Ion:244 Resp: 1557924

Ion Ratio Lower Upper

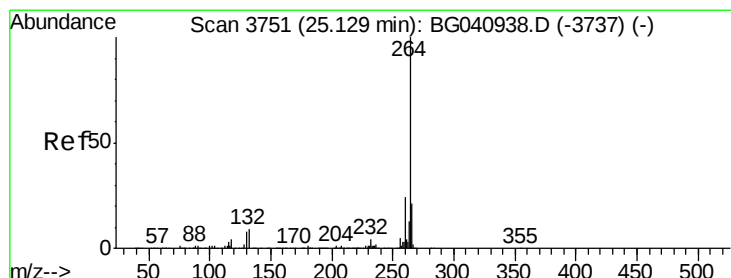
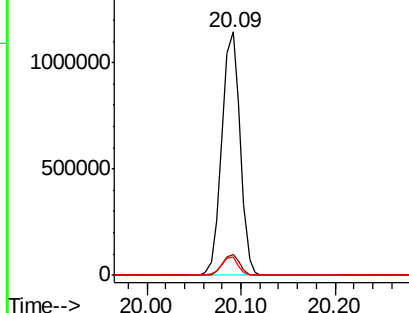
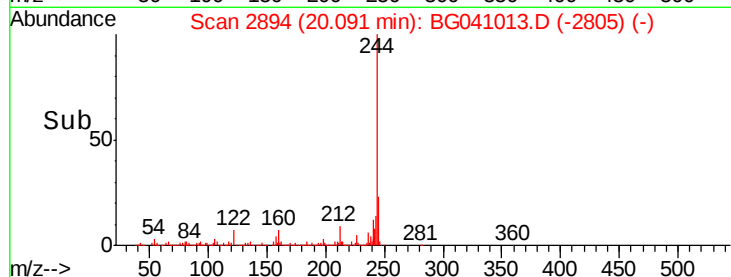
244 100

212 8.8 7.0 10.4

122 7.4 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: 25.11 min Scan# 3748

Delta R.T. -0.02 min

Lab File: BG041013.D

Acq: 1 Jun 2019 15:32

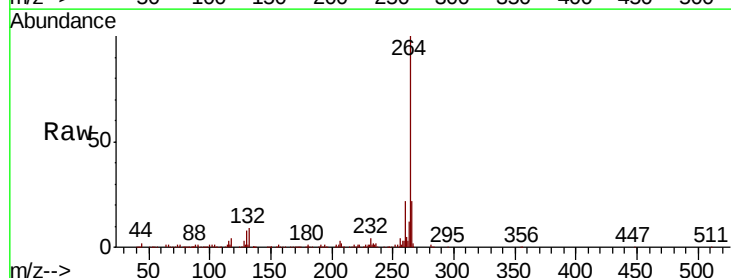
Tgt Ion:264 Resp: 437478

Ion Ratio Lower Upper

264 100

260 22.1 19.0 28.4

265 21.8 17.0 25.4



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

