

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110918\
 Data File : BG037923.D
 Acq On : 9 Nov 2018 16:42
 Operator : JU/SJ
 Sample : J5860-26
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-111(22-24)

Quant Time: Nov 12 06:09:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

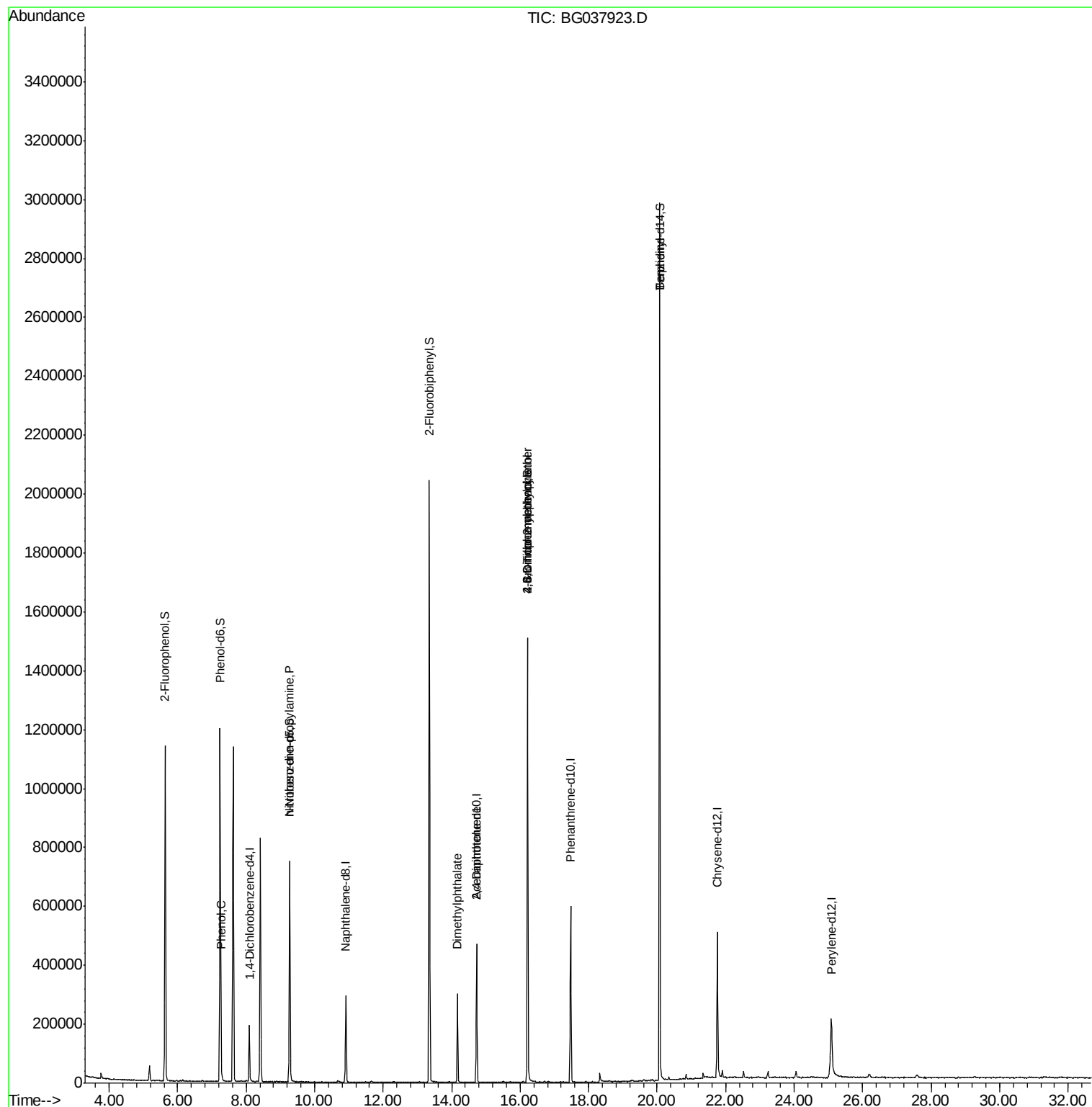
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	58344	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	262282	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	169591	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	389119	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	348015	20.00	ng	-0.02
87) Perylene-d12	25.08	264	305135	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	519679	148.91	ng	-0.01
7) Phenol-d6	7.24	99	773528	146.59	ng	-0.01
23) Nitrobenzene-d5	9.27	82	466616	99.66	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	290427	157.01	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1107636	98.49	ng	-0.02
79) Terphenyl-d14	20.07	244	1503575	92.32	ng	-0.02
Target Compounds						
10) Phenol	7.27	94	55976	10.054	ng	98
19) n-Nitroso-di-n-propylamine	9.27	70	59910	16.487	ng	# 72
50) Dimethylphthalate	14.17	163	219944	16.764	ng	98
57) 2,4-Dinitrotoluene	14.72	165	22406	5.881	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	930	8.882	ng	79
67) 4-Bromophenyl-phenylether	16.22	248	21707	5.080	ng	# 1
77) Benzidine	20.07	184	23872	2.017	ng	# 94

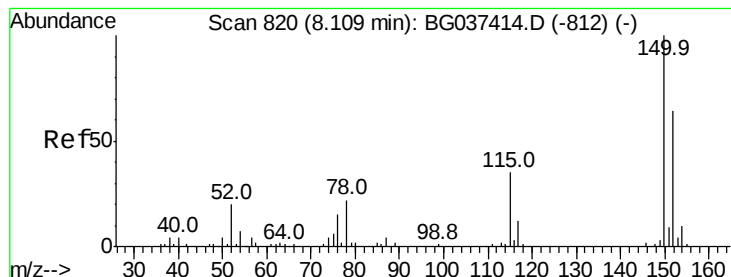
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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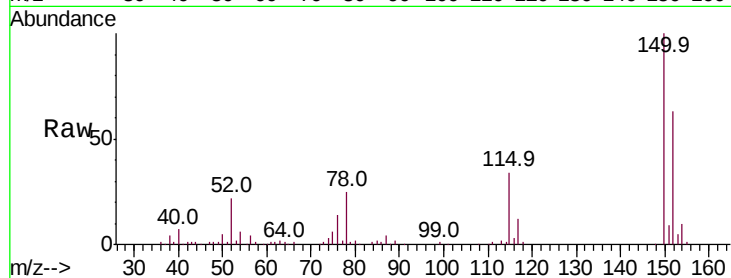


#1

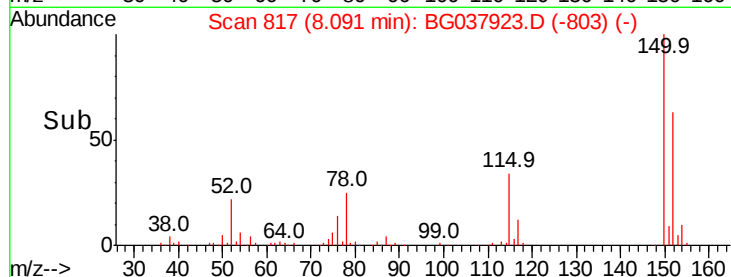
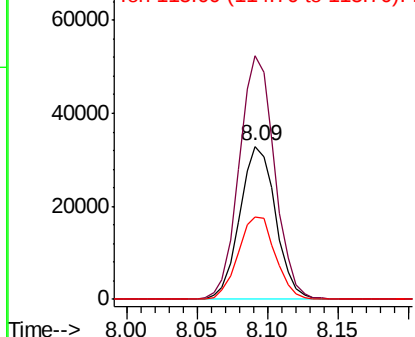
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG037923.D
Acq: 9 Nov 2018 16:42

Instrument :
BNA_G
ClientSampleId :
EP2-SB-111(22-24)

Tot Ion:152 Resp: 58344
Ion Ratio Lower Upper
152 100
150 159.4 126.0 189.0
115 53.8 45.5 68.3



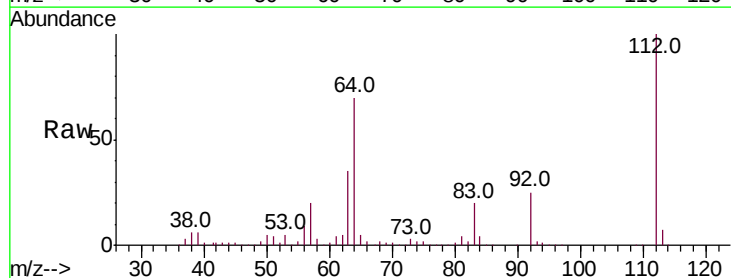
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



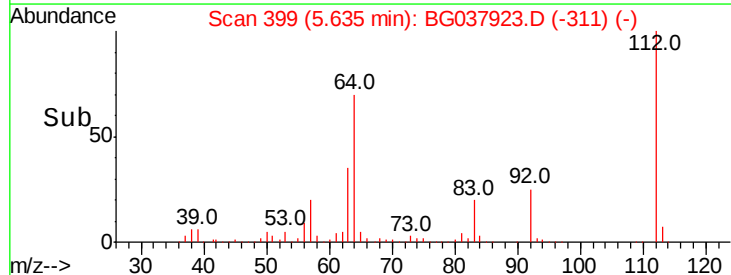
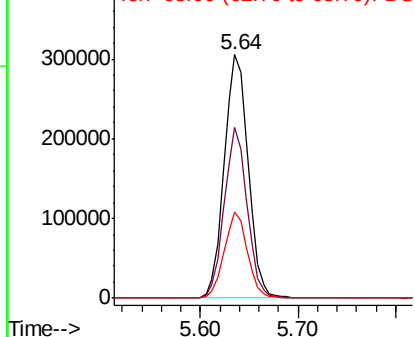
#5

2-Fluorophenol
Concen: 148.915 ng
RT: 5.64 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037923.D
Acq: 9 Nov 2018 16:42

Tgt Ion:112 Resp: 519679
Ion Ratio Lower Upper
112 100
64 70.0 53.1 79.7
63 35.3 27.3 40.9



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: 146.585 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

EP2-SB-111(22-24)

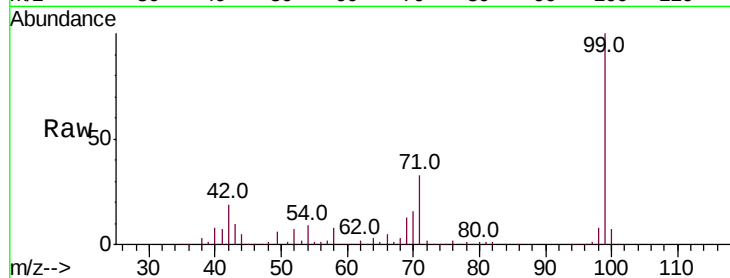
Tot Ion: 99 Resp: 773528

Ion Ratio Lower Upper

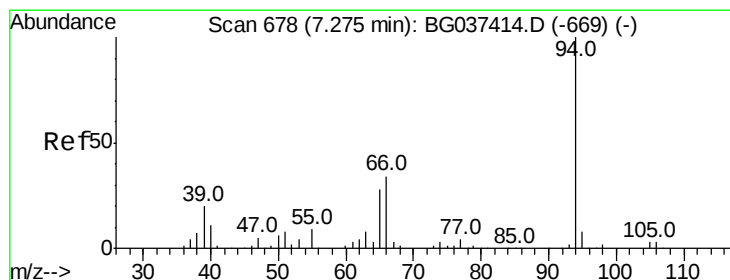
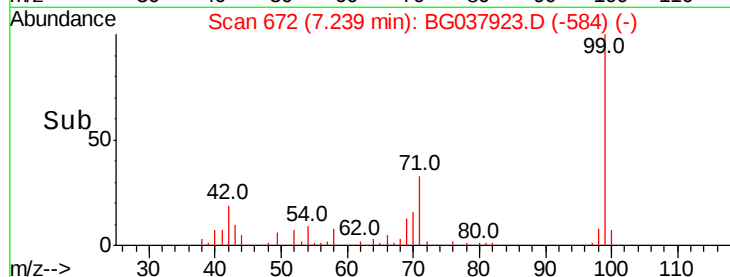
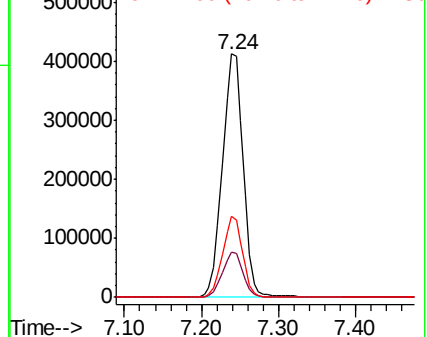
99 100

42 18.6 15.0 22.4

71 33.3 25.5 38.3



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: 10.054 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

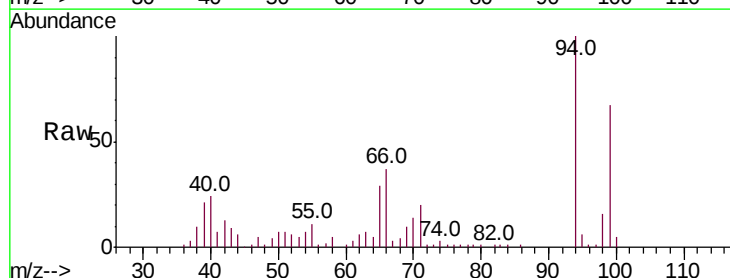
Tgt Ion: 94 Resp: 55976

Ion Ratio Lower Upper

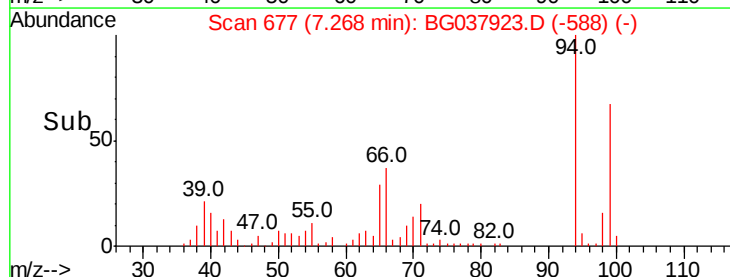
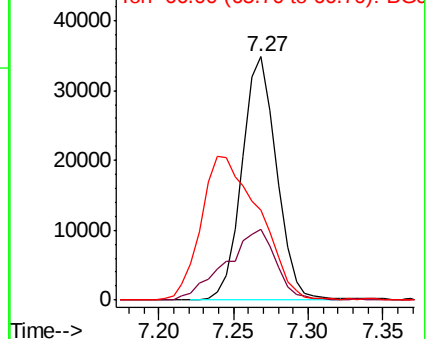
94 100

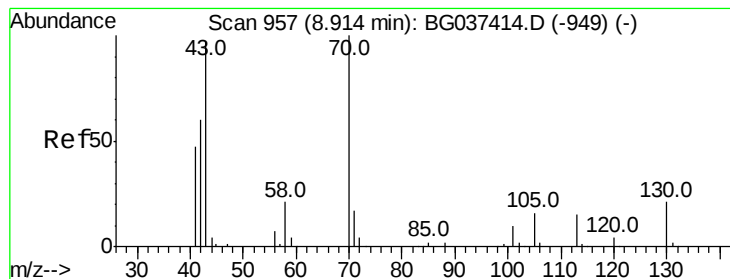
65 29.3 9.7 49.7

66 37.2 15.9 55.9



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: 16.487 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

EP2-SB-111(22-24)

Tot Ion: 70 Resp: 59910

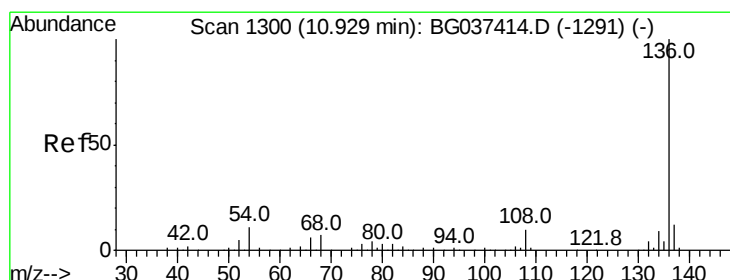
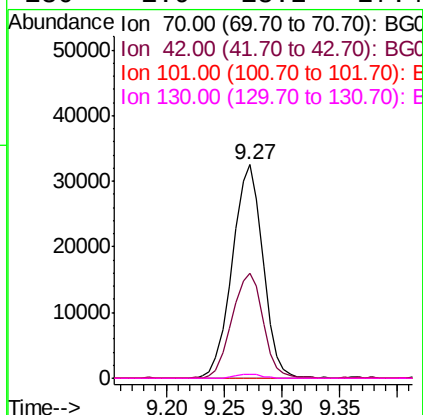
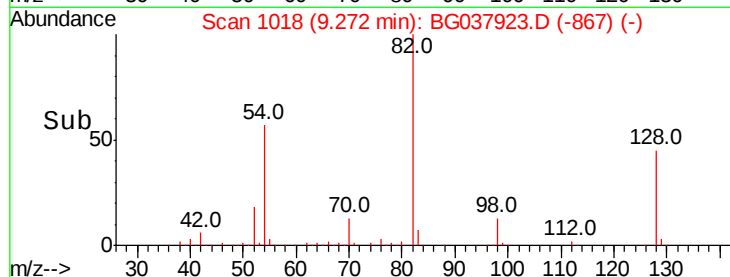
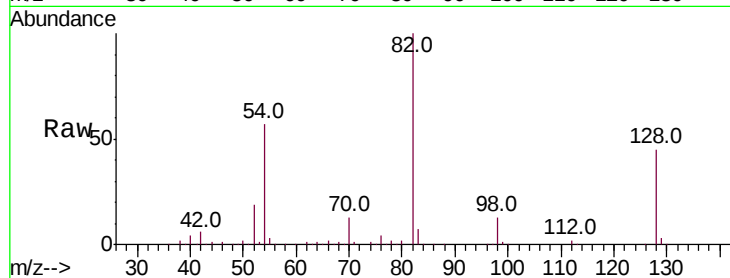
Ion Ratio Lower Upper

70 100

42 49.1 53.9 80.9#

101 0.0 8.2 12.2#

130 1.9 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

Tgt Ion: 136 Resp: 262282

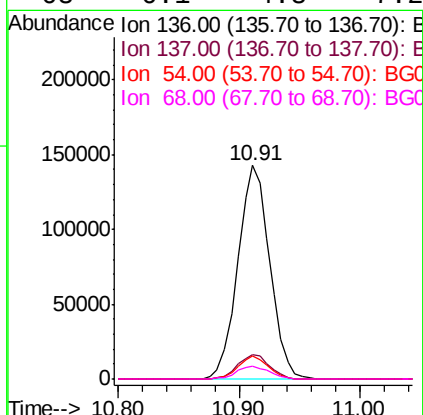
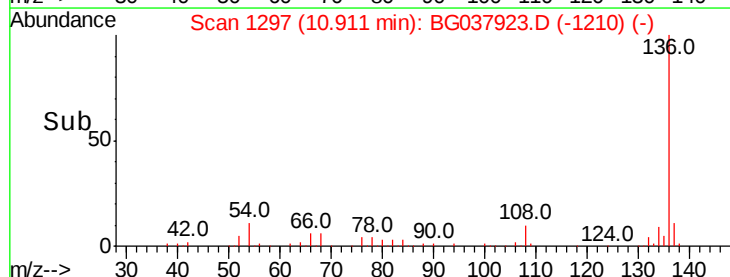
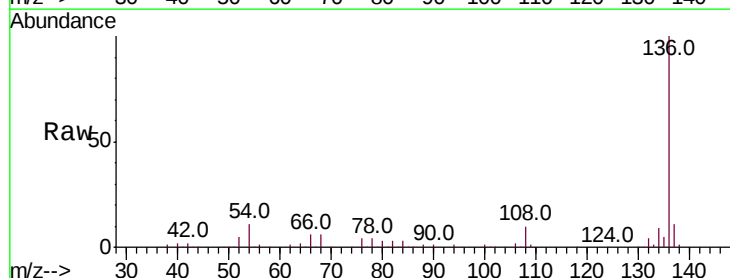
Ion Ratio Lower Upper

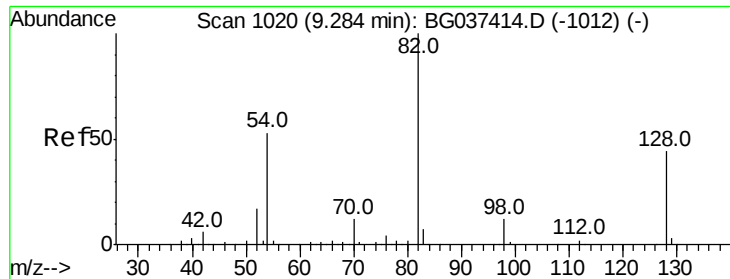
136 100

137 11.3 9.6 14.4

54 10.9 7.9 11.9

68 6.1 4.8 7.2

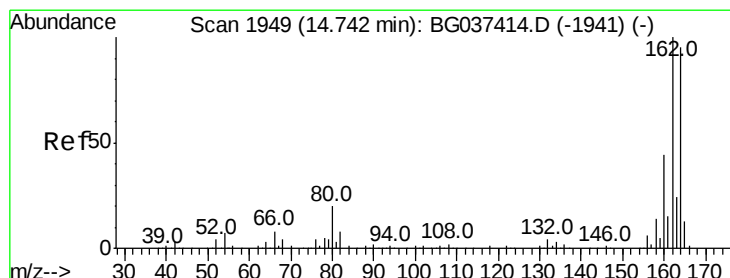
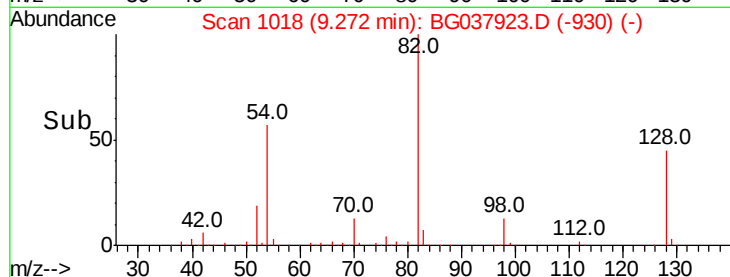
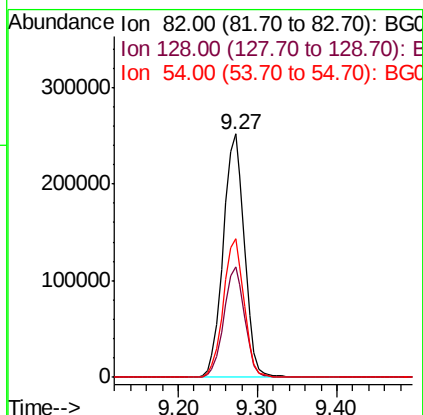
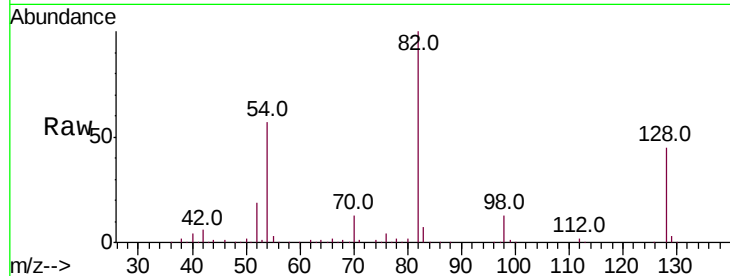




#23
 Nitrobenzene-d5
 Concen: 99.661 ng
 RT: 9.27 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BG037923.D
 Acq: 9 Nov 2018 16:42

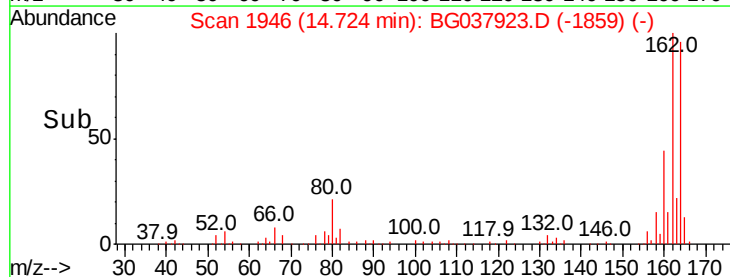
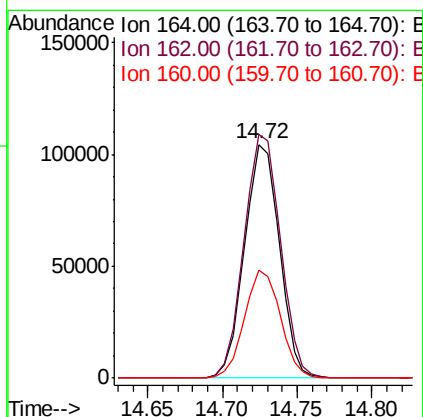
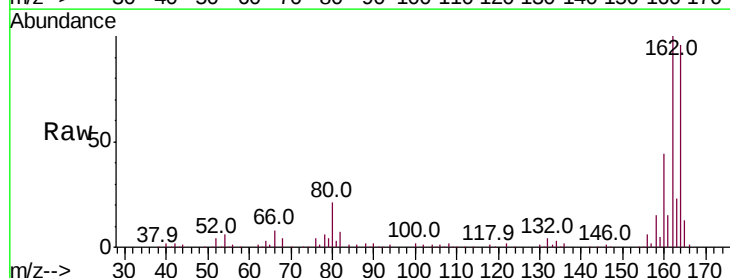
Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-111(22-24)

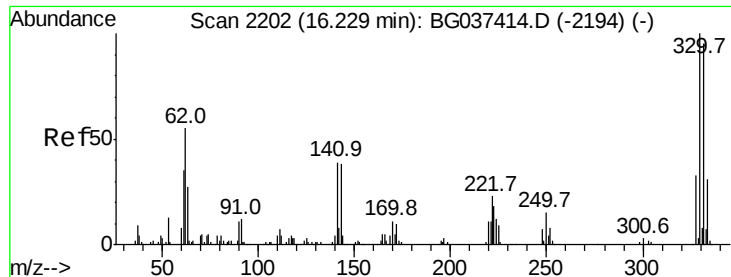
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.6	51.8
54	57.0	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.02 min
 Lab File: BG037923.D
 Acq: 9 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.3	121.9
160	46.3	36.3	54.5

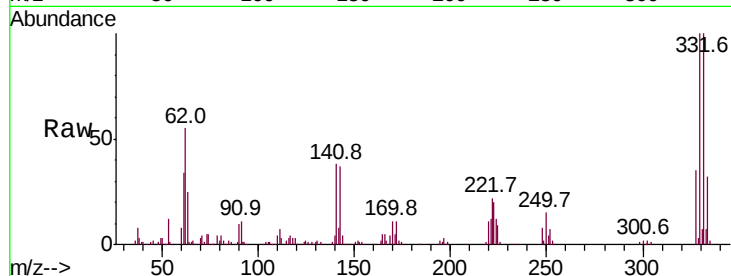




#42
 2,4,6-Tribromophenol
 Concen: 157.012 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG037923.D
 Acq: 9 Nov 2018 16:42

Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-111(22-24)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.4	117.6
141	38.2	32.2	48.2

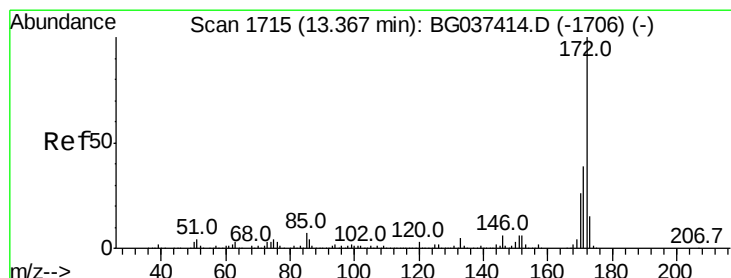
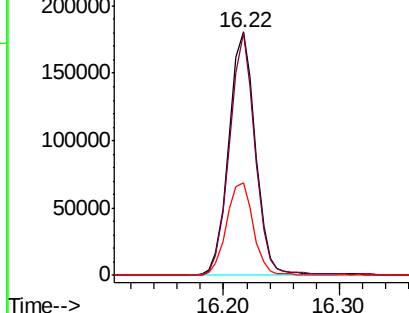
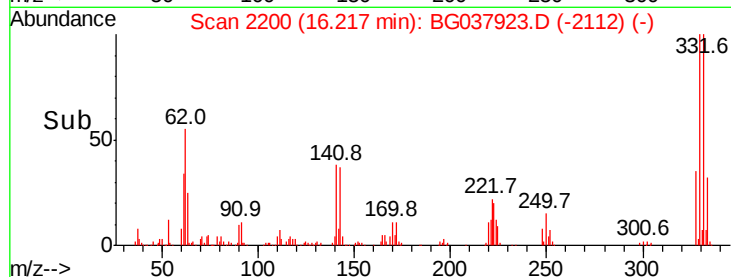


Abundance

Ion 329.80 (329.50 to 330.50): E

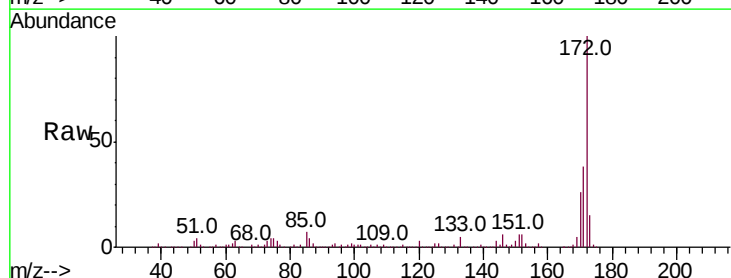
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.487 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037923.D
 Acq: 9 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.0	46.4
170	26.0	20.2	30.2

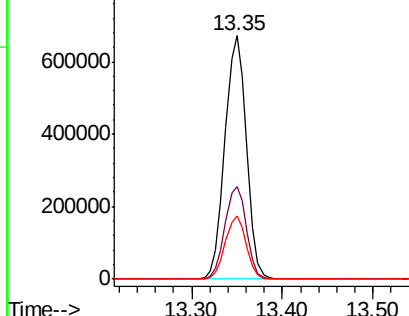
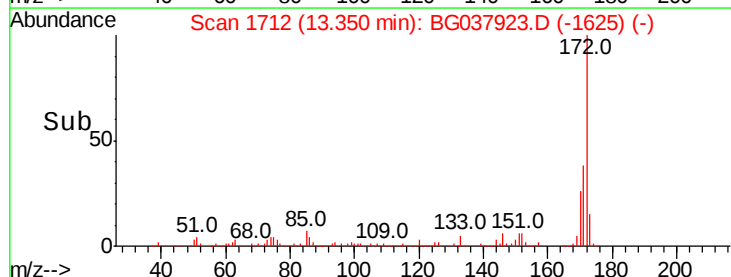


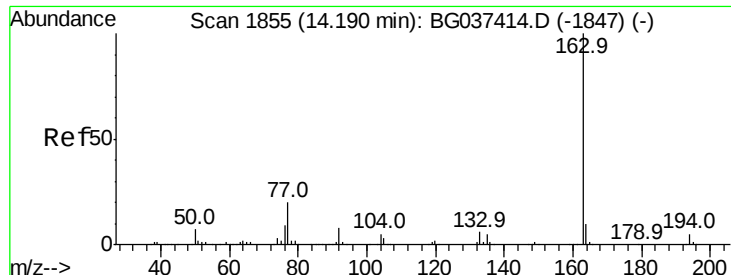
Abundance

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: 16.764 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

EP2-SB-111(22-24)

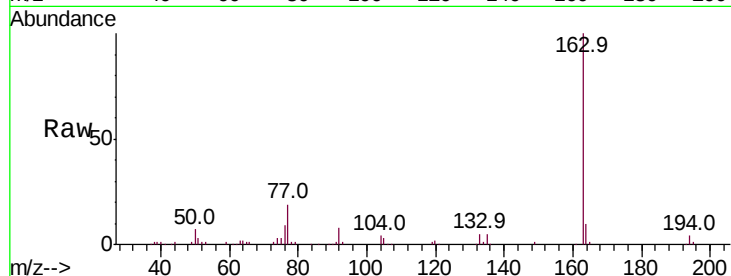
Tot Ion:163 Resp: 219944

Ion Ratio Lower Upper

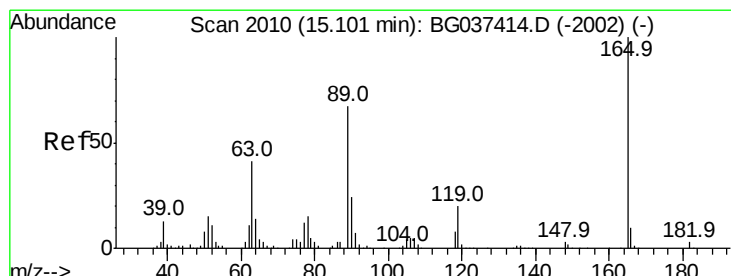
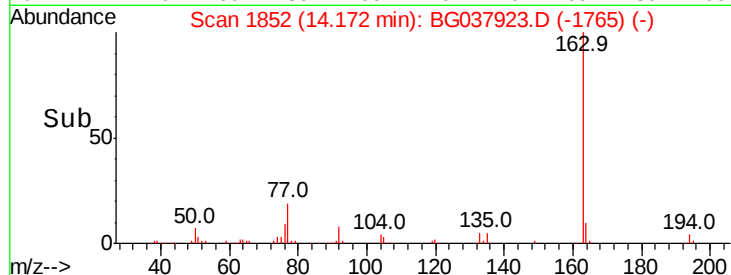
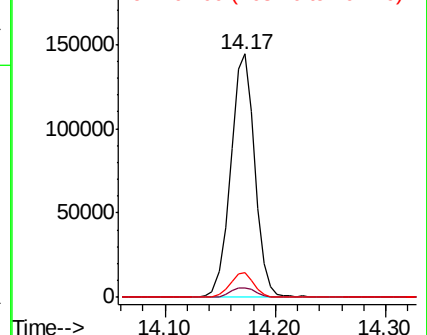
163 100

194 4.0 3.5 5.3

164 9.9 8.5 12.7



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: 5.881 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.38 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

Tgt Ion:165 Resp: 22406

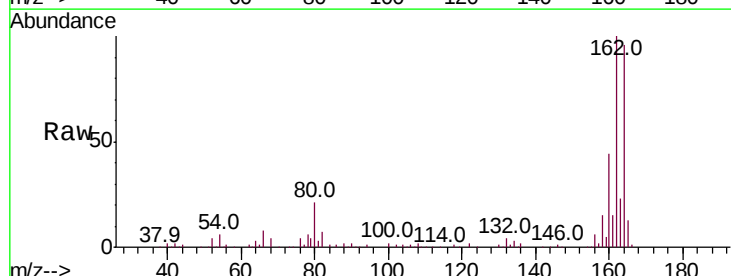
Ion Ratio Lower Upper

165 100

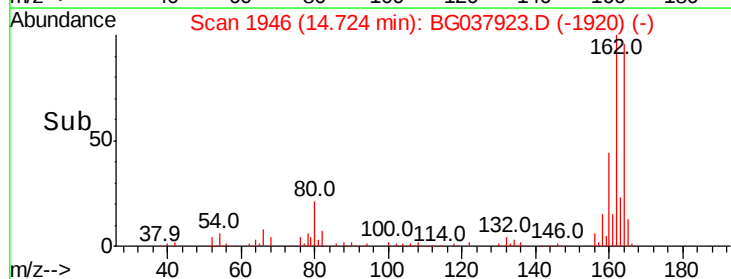
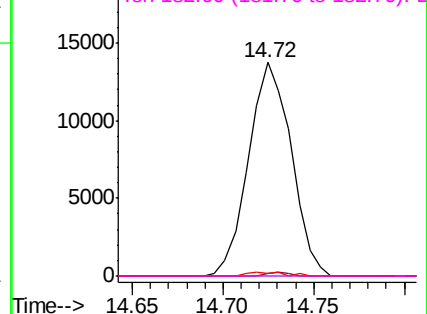
63 1.5 33.4 50.0#

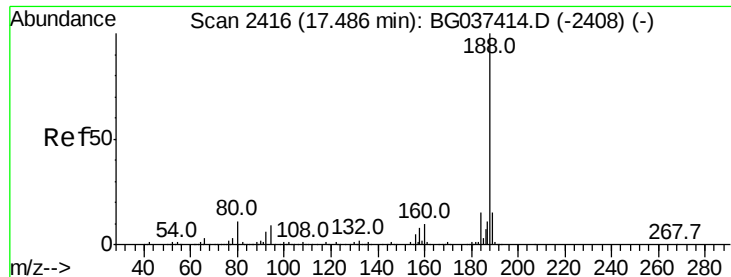
89 1.3 57.2 85.8#

182 0.0 2.6 4.0#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

EP2-SB-111(22-24)

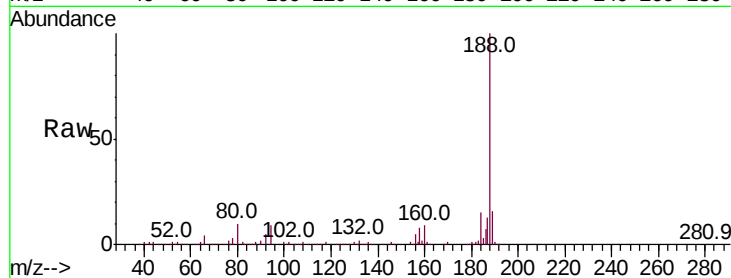
Tot Ion:188 Resp: 389119

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 10.3 7.7 11.5



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

300000

250000

200000

150000

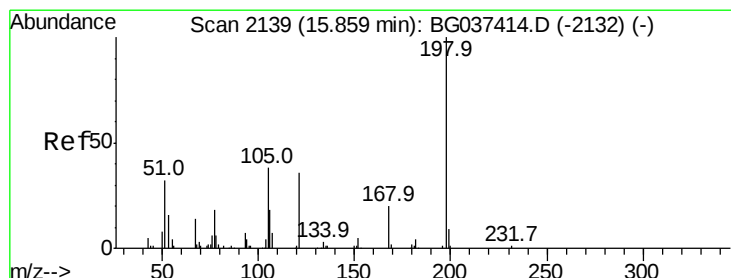
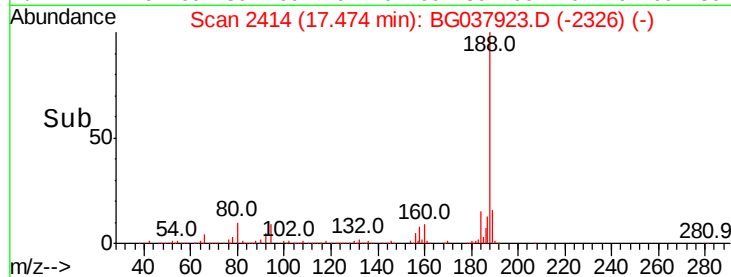
100000

50000

0

17.40 17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.882 ng

RT: 16.22 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

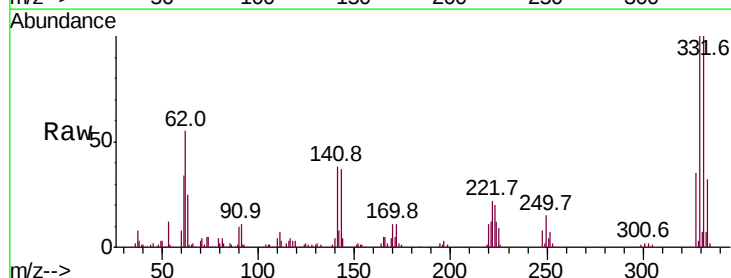
Tgt Ion:198 Resp: 930

Ion Ratio Lower Upper

198 100

51 22.8 22.7 62.7

105 33.0 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

1500

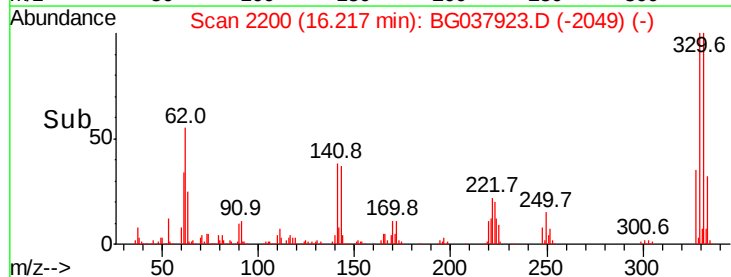
1000

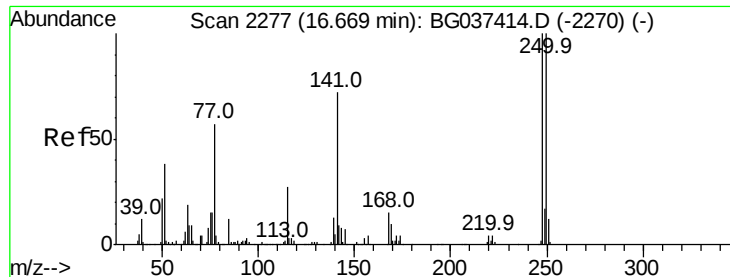
500

0

16.20 16.25

Time-->

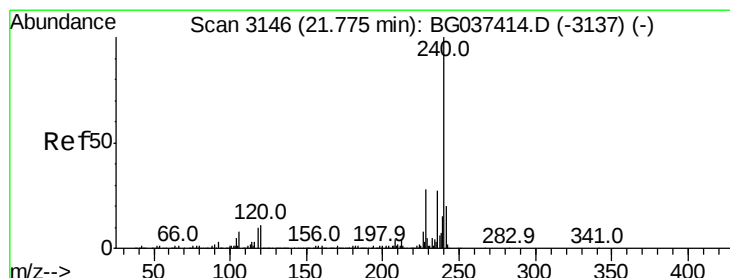
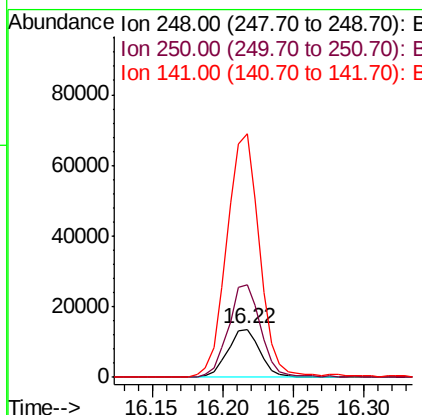
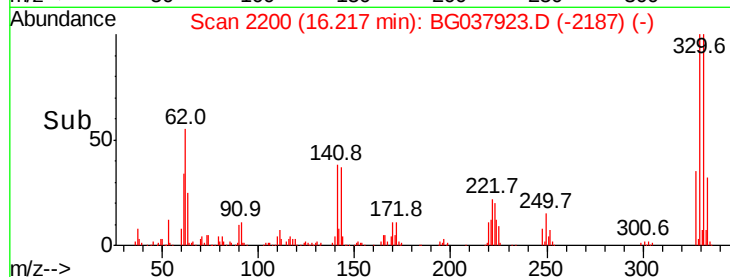
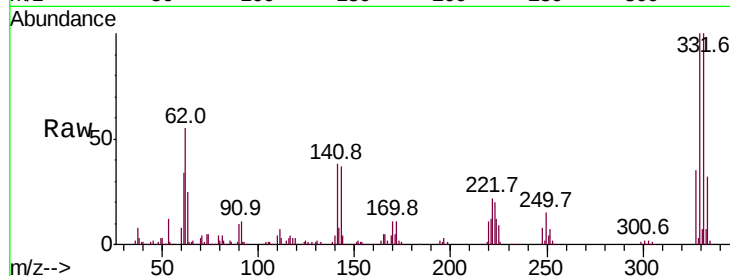




#67
 4-Bromophenyl-phenylether
 Concen: 5.080 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.45 min
 Lab File: BG037923.D
 Acq: 9 Nov 2018 16:42

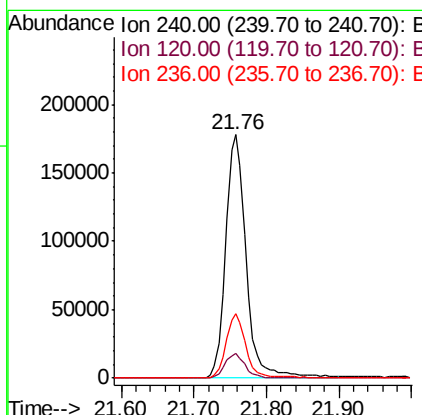
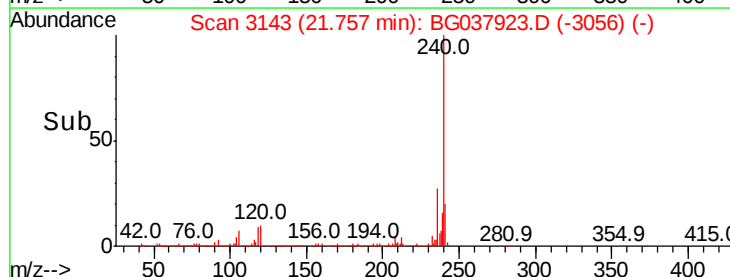
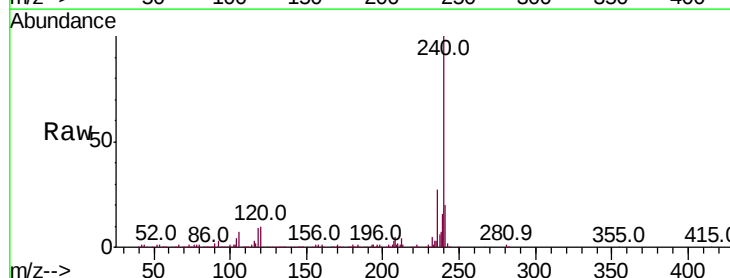
Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-111(22-24)

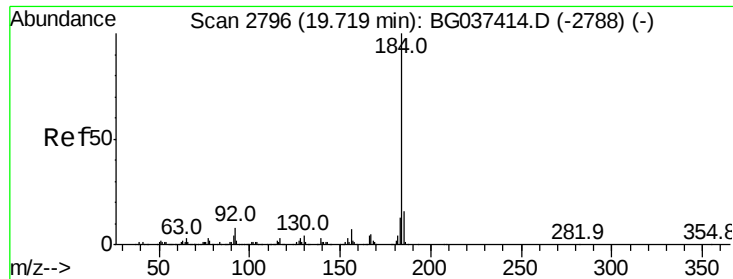
Tot Ion:248 Resp: 21707
 Ion Ratio Lower Upper
 248 100
 250 197.2 77.0 115.6#
 141 394.4 55.5 83.3#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG037923.D
 Acq: 9 Nov 2018 16:42

Tgt Ion:240 Resp: 348015
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.1 12.1
 236 26.6 21.4 32.0





#77

Benzidine

Concen: 2.017 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.35 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

EP2-SB-111(22-24)

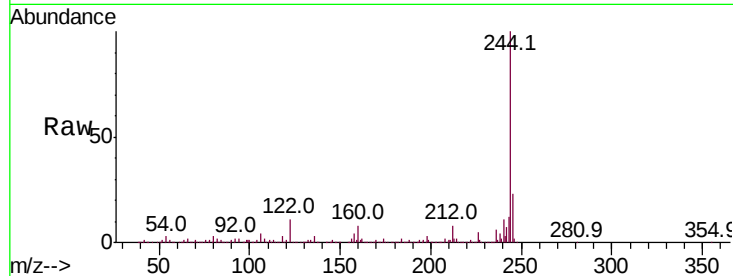
Tot Ion:184 Resp: 23872

Ion Ratio Lower Upper

184 100

185 16.7 12.6 18.8

183 8.2 10.2 15.2#

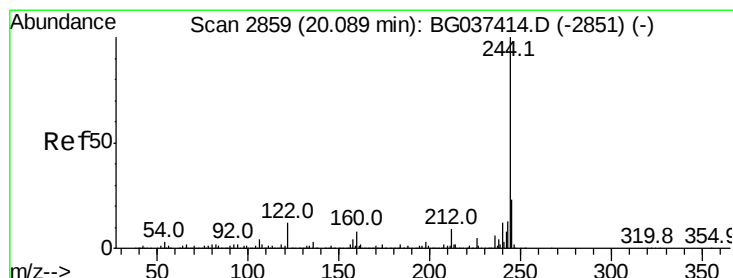
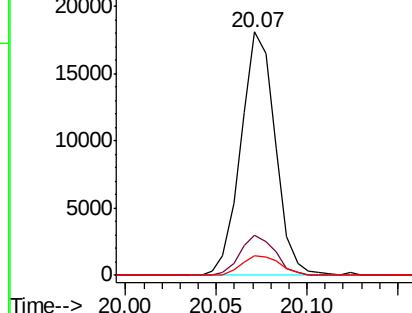
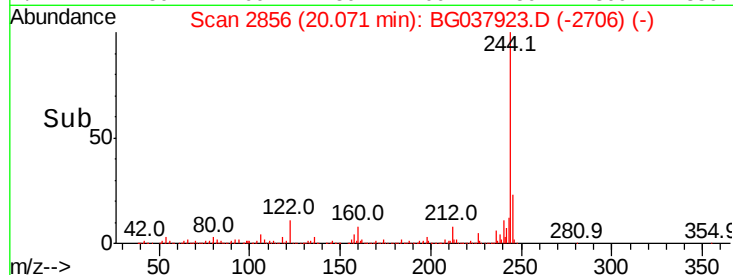


Abundance

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: 92.318 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG037923.D

Acq: 9 Nov 2018 16:42

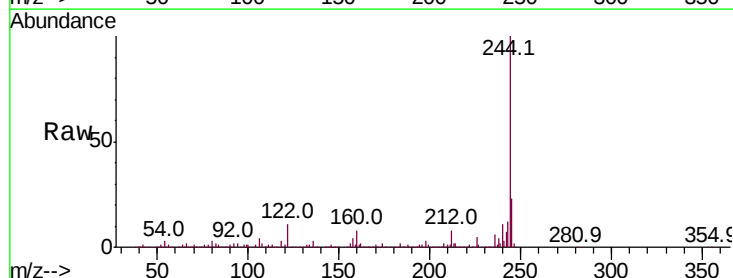
Tgt Ion:244 Resp: 1503575

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

122 11.4 9.0 13.4

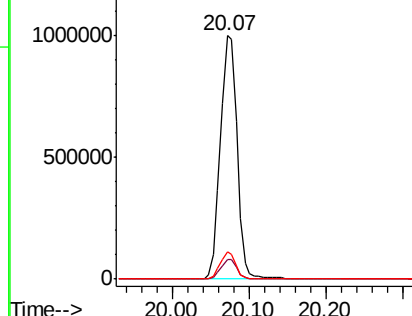
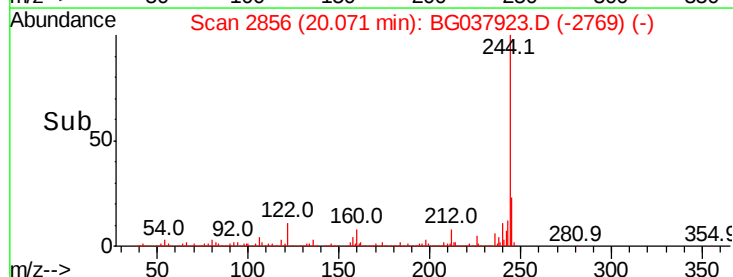


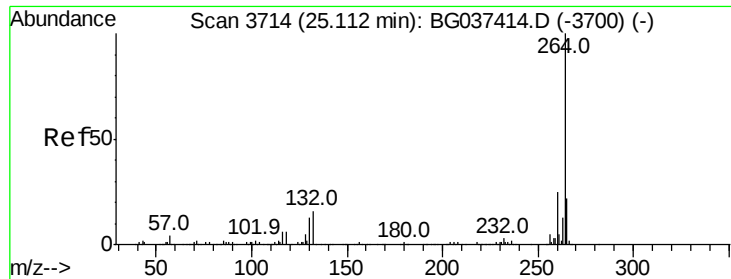
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3709
Delta R.T. -0.03 min
Lab File: BG037923.D
Acq: 9 Nov 2018 16:42

Instrument :
BNA_G
ClientSampleId :
EP2-SB-111(22-24)

Tot Ion:	264	Resp:	305135
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	20.6	17.9	26.9

