

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039920.D
 Acq On : 14 Mar 2019 2:41
 Operator : JU/SJ
 Sample : K1873-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:21:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

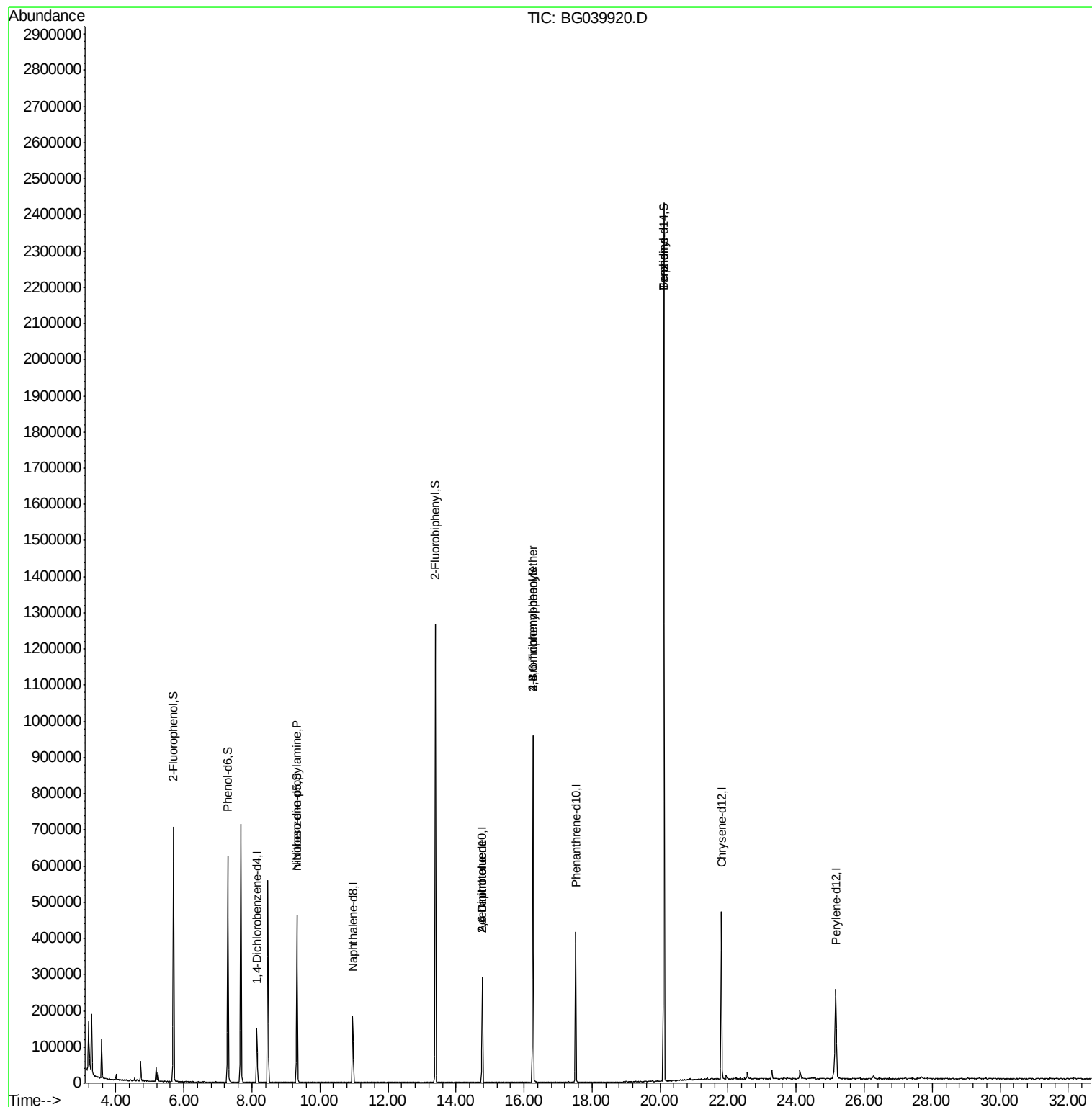
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	39909	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	156352	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	104340	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	261404	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	289791	20.00	ng	-0.03
87) Perylene-d12	25.17	264	287220	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	280222	119.79	ng	-0.02
7) Phenol-d6	7.30	99	361684	103.69	ng	-0.02
23) Nitrobenzene-d5	9.32	82	269576	93.25	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	164974	135.65	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	650878	88.82	ng	-0.02
79) Terphenyl-d14	20.11	244	1129780	85.84	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	35503	14.141	ng	# 69
51) 2,6-Dinitrotoluene	14.77	165	12684	6.858	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	12684	4.880	ng	# 18
67) 4-Bromophenyl-phenylether	16.26	248	13292	4.543	ng	# 1
77) Benzidine	20.11	184	18899	2.055	ng	# 93

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

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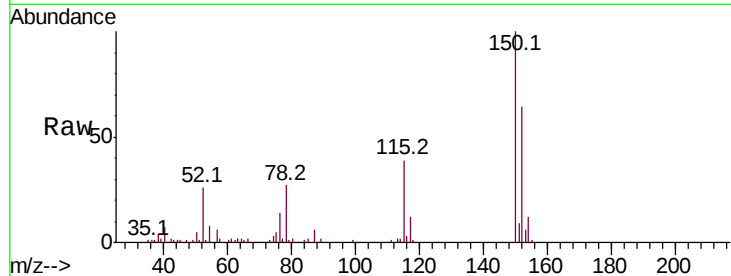


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039920.D
Acq: 14 Mar 2019 2:41

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.7	185.5
115	61.2	45.9	68.9

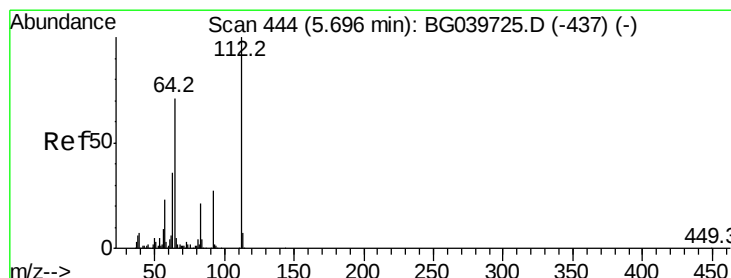
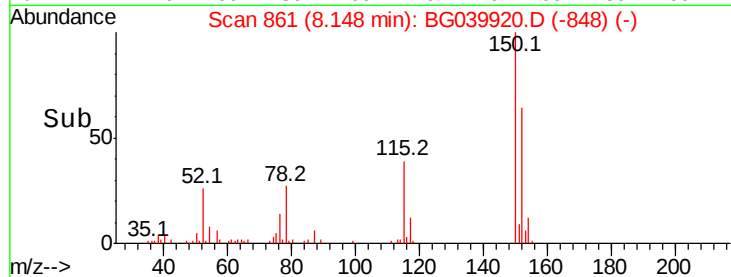
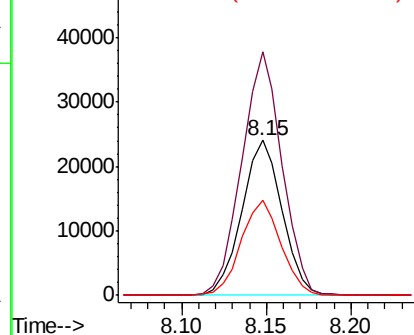


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

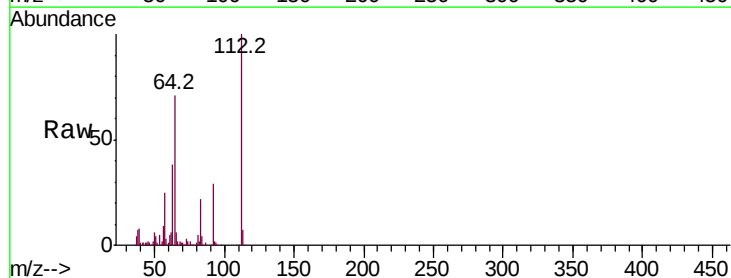
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.788 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039920.D
Acq: 14 Mar 2019 2:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	57.8	86.8
63	38.4	29.8	44.6

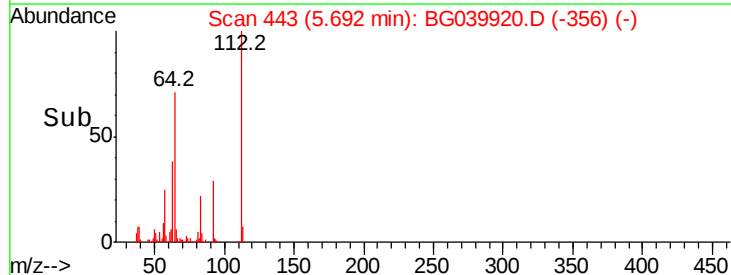
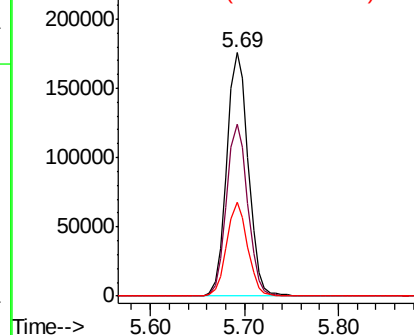


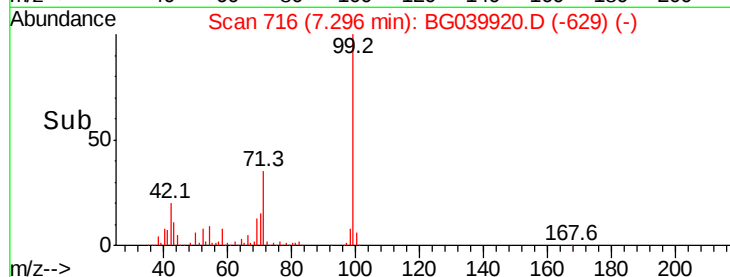
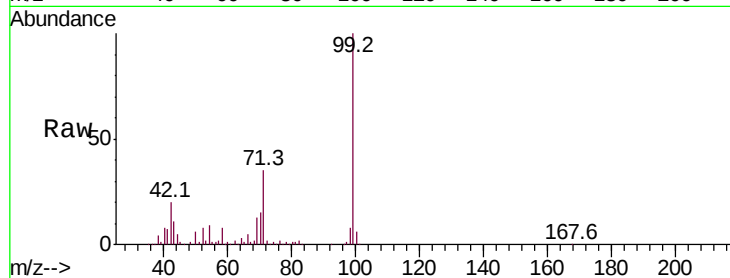
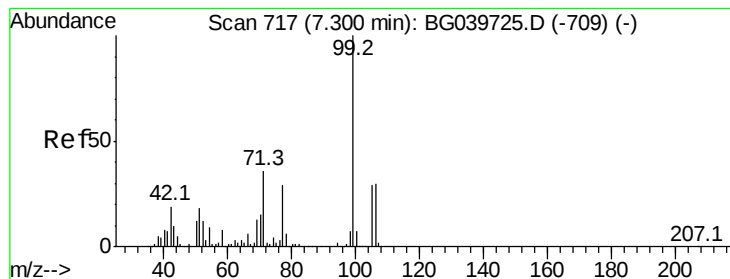
Abundance

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: 103.692 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039920.D

Acq: 14 Mar 2019 2:41

Instrument :

BNA_G

ClientSampled :

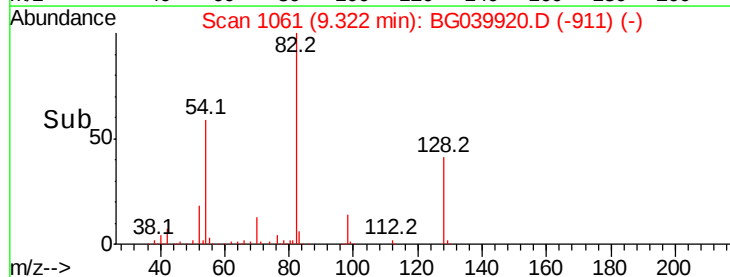
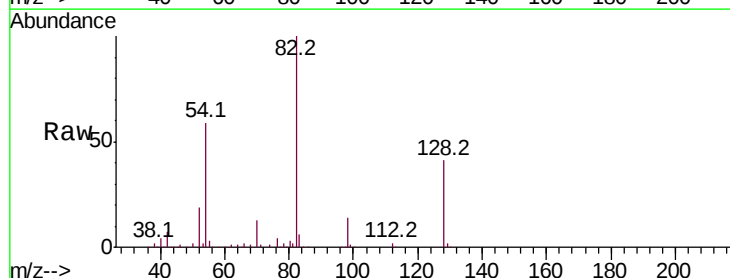
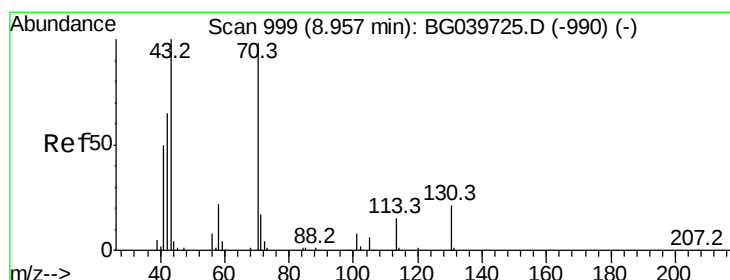
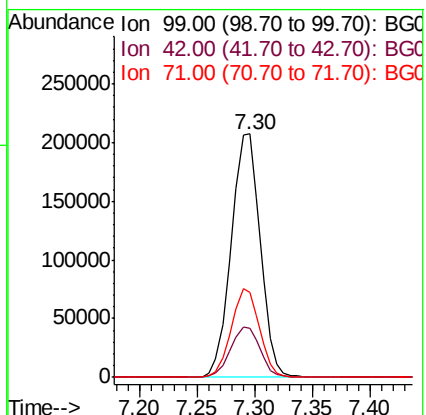
Tot Ion: 99 Resp: 361684

Ion Ratio Lower Upper

99 100

42 20.4 18.2 27.2

71 34.9 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.141 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039920.D

Acq: 14 Mar 2019 2:41

Tgt Ion: 70 Resp: 35503

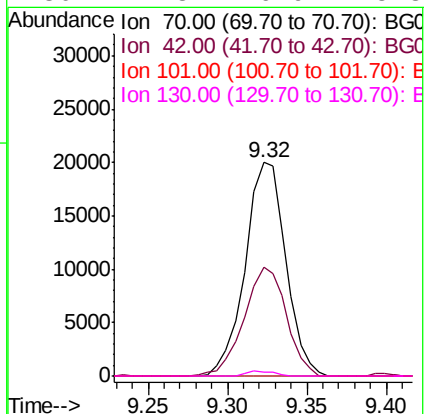
Ion Ratio Lower Upper

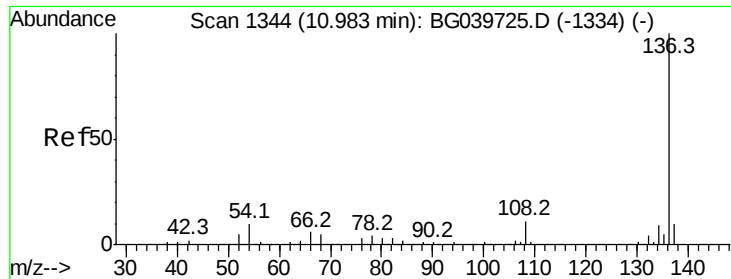
70 100

42 50.8 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 16.9 25.3#

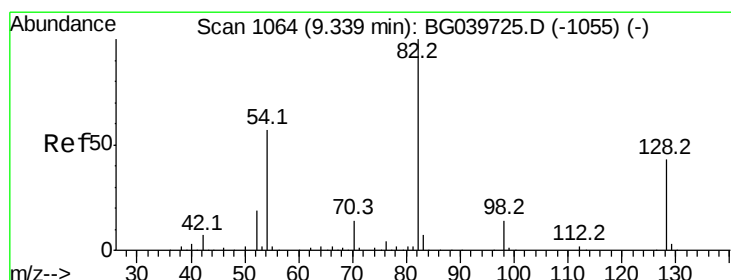
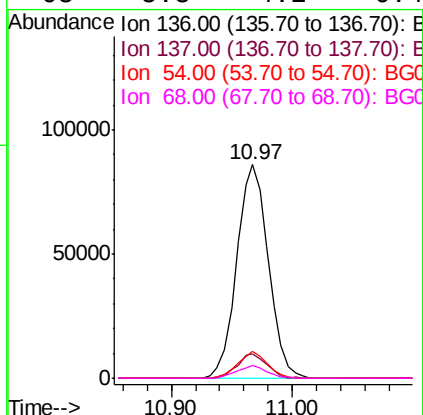
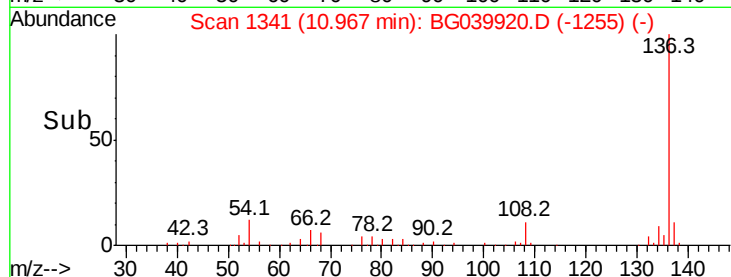
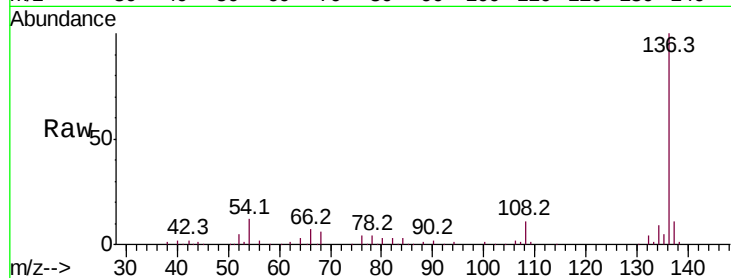




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039920.D
Acq: 14 Mar 2019 2:41

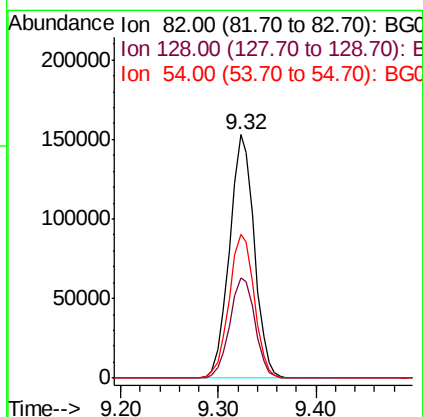
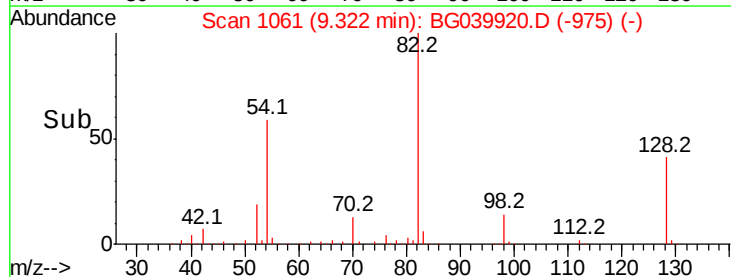
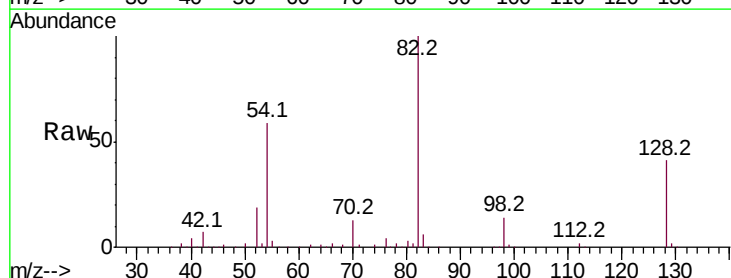
Instrument :
BNA_G
ClientSampleId :

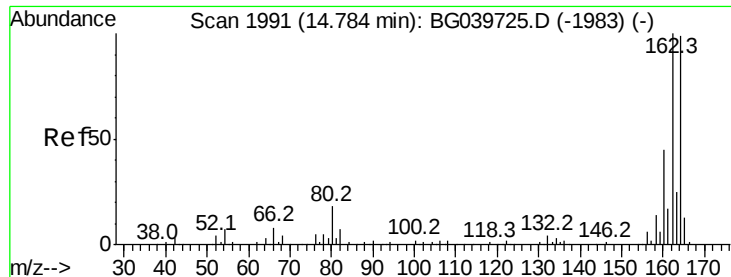
Tot Ion:	136	Resp:	156352
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	12.3	9.4	14.2
68	5.8	4.2	6.4



#23
Nitrobenzene-d5
Concen: 93.250 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039920.D
Acq: 14 Mar 2019 2:41

Tgt Ion:	82	Resp:	269576
Ion	Ratio	Lower	Upper
82	100		
128	41.1	31.3	46.9
54	59.1	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039920.D

Acq: 14 Mar 2019 2:41

Instrument :

BNA_G

ClientSampleId :

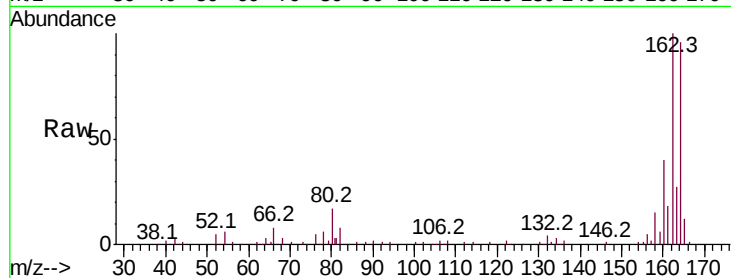
Tot Ion:164 Resp: 104340

Ion Ratio Lower Upper

164 100

162 103.9 81.6 122.4

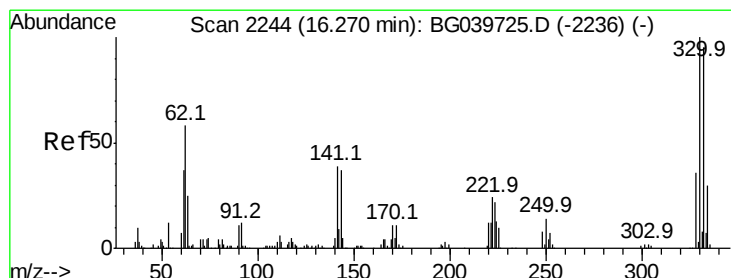
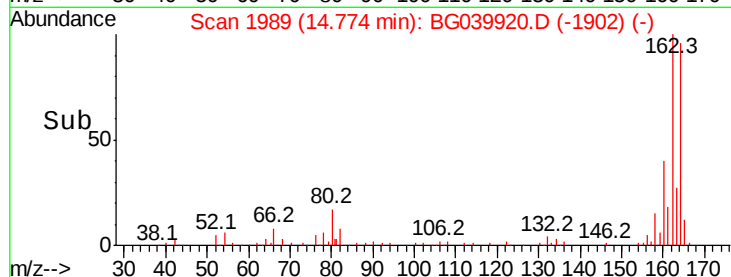
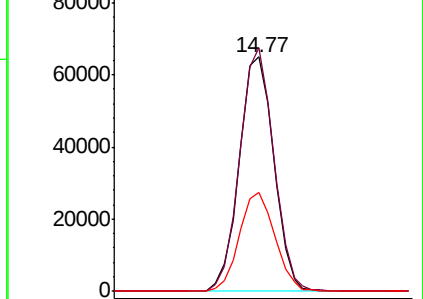
160 42.0 34.2 51.2



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: 135.652 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039920.D

Acq: 14 Mar 2019 2:41

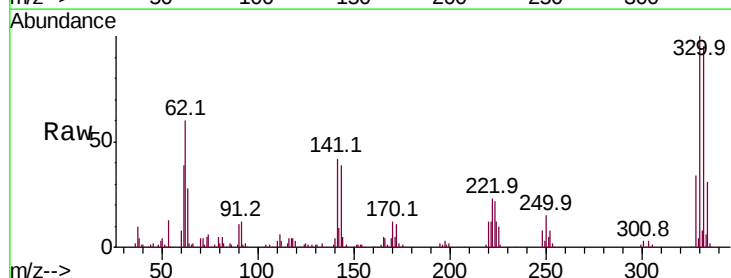
Tgt Ion:330 Resp: 164974

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

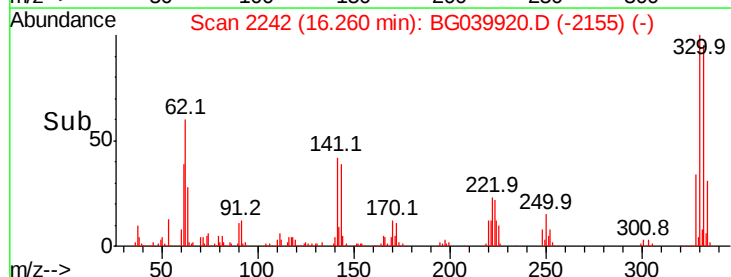
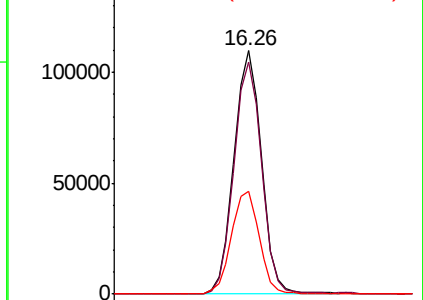
141 42.7 35.6 53.4

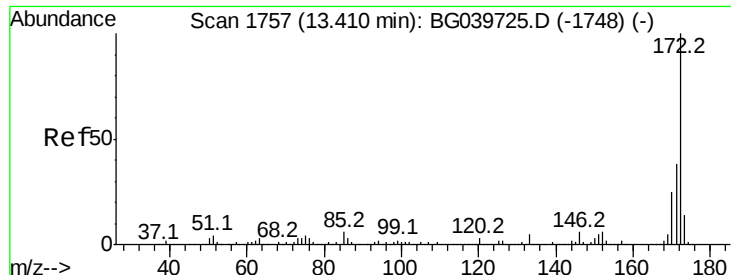


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

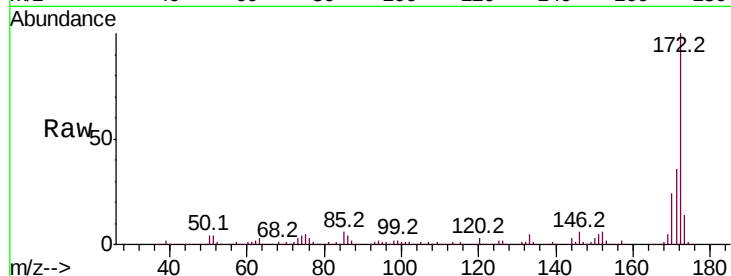




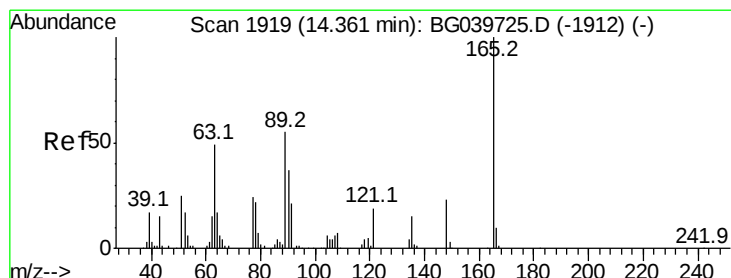
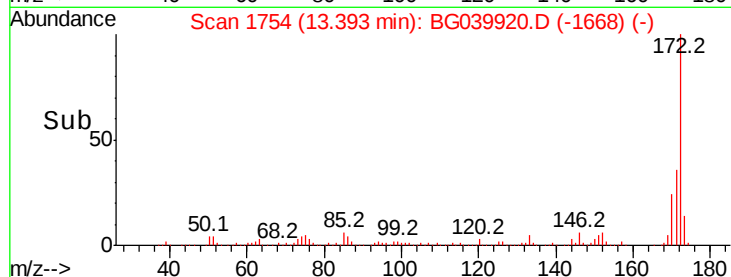
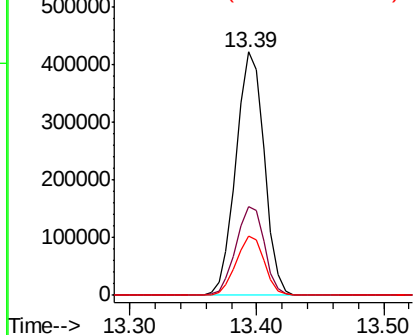
#45
 2-Fluorobiphenyl
 Concen: 88.819 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039920.D
 Acq: 14 Mar 2019 2:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 650878
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.8 46.2
 170 24.3 20.2 30.4

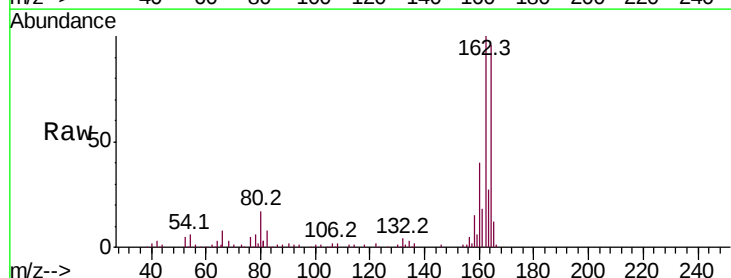


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

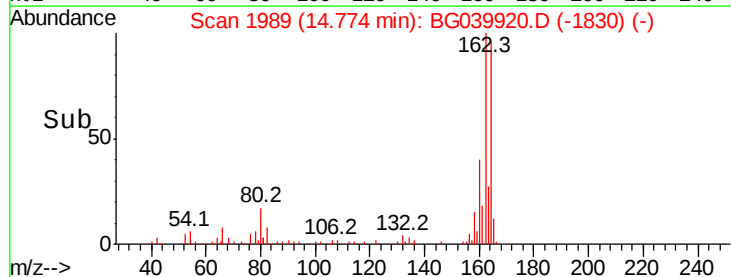
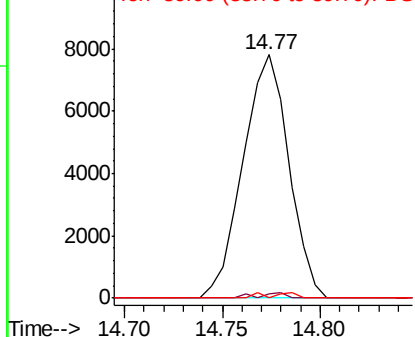


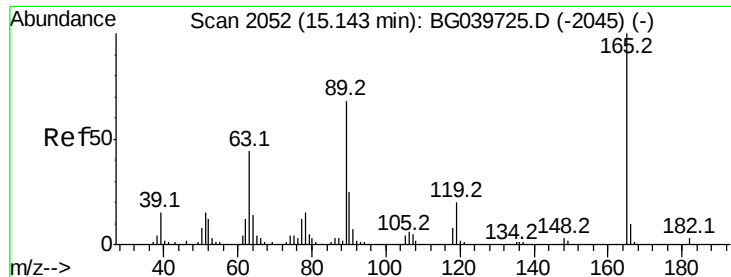
#51
 2,6-Dinitrotoluene
 Concen: 6.858 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.41 min
 Lab File: BG039920.D
 Acq: 14 Mar 2019 2:41

Tgt Ion:165 Resp: 12684
 Ion Ratio Lower Upper
 165 100
 63 2.0 47.0 70.6#
 89 0.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

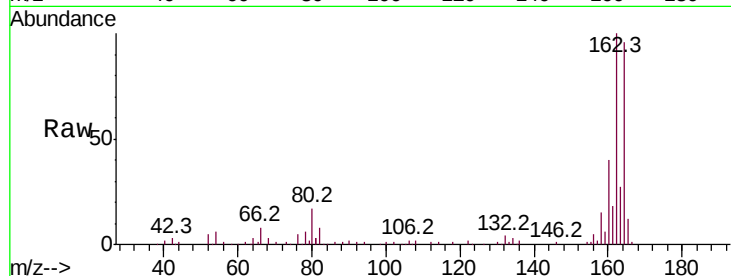




#57
 2,4-Dinitrotoluene
 Concen: 4.880 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039920.D
 Acq: 14 Mar 2019 2:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

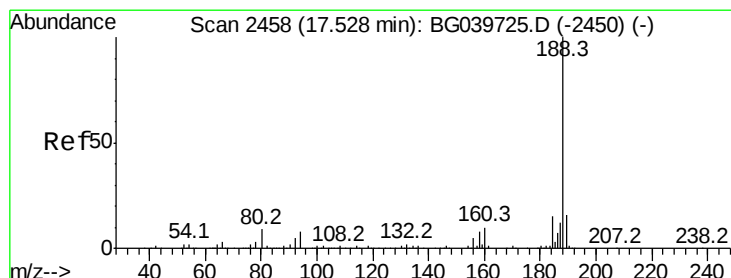
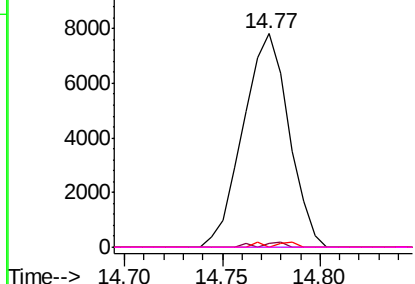
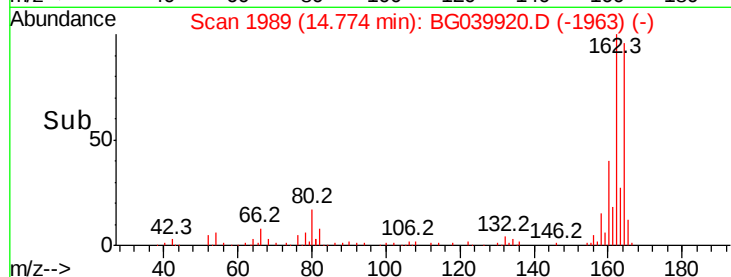


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

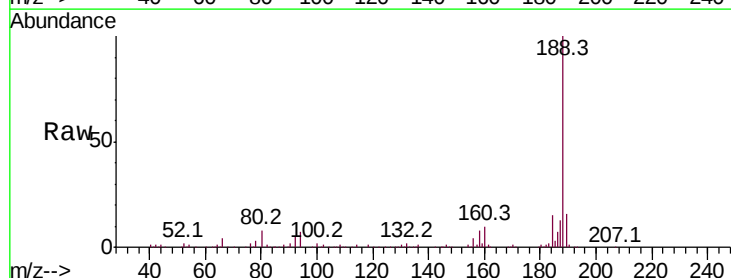
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039920.D
 Acq: 14 Mar 2019 2:41

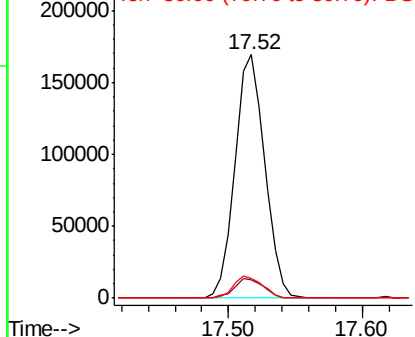
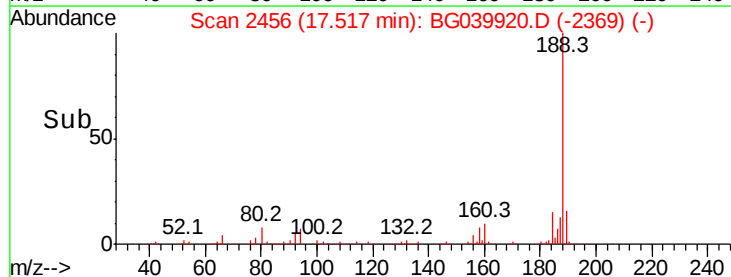
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.9	10.3
80	8.2	8.1	12.1

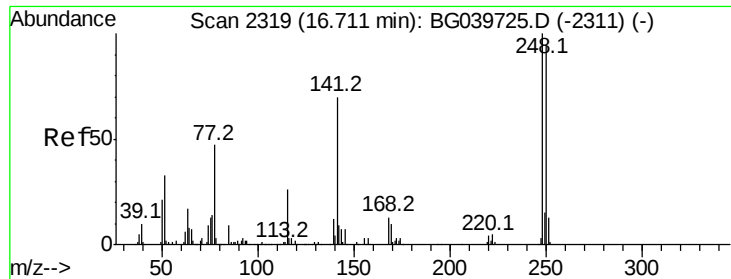


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

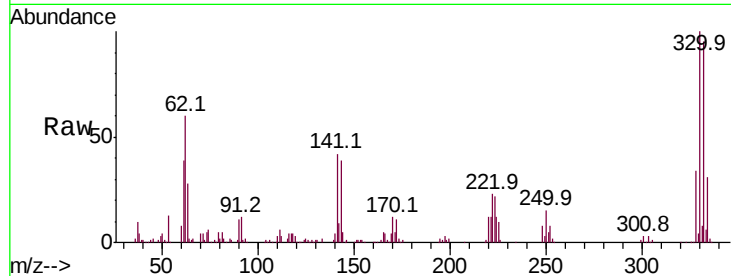




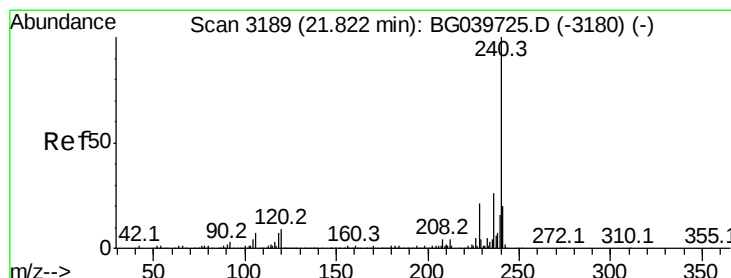
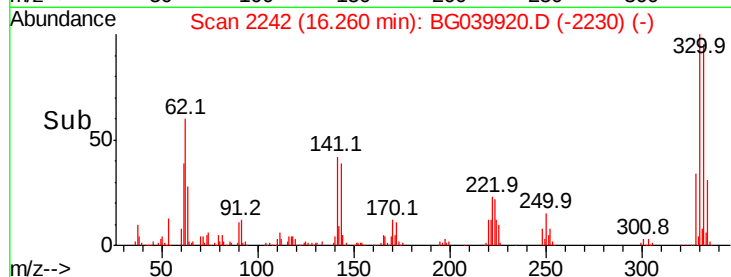
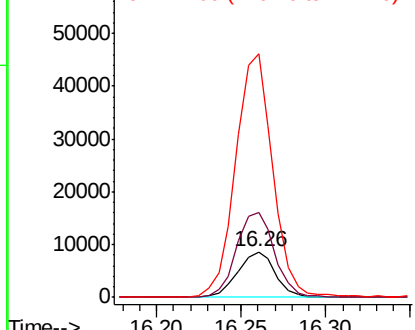
#67
 4-Bromophenyl-phenylether
 Concen: 4.543 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039920.D
 Acq: 14 Mar 2019 2:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13292
 Ion Ratio Lower Upper
 248 100
 250 187.0 77.6 116.4#
 141 535.3 63.9 95.9#

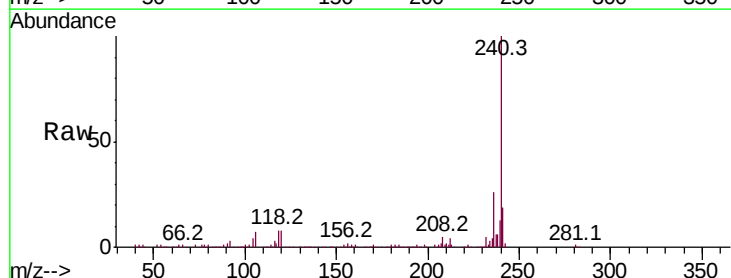


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

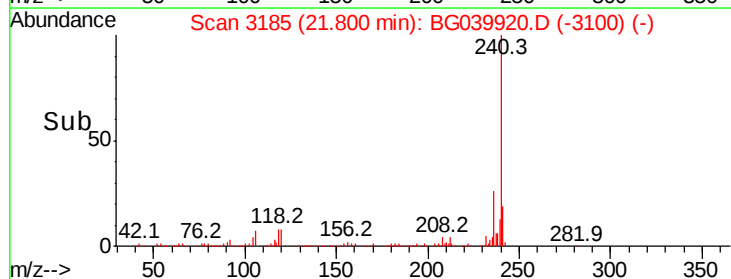
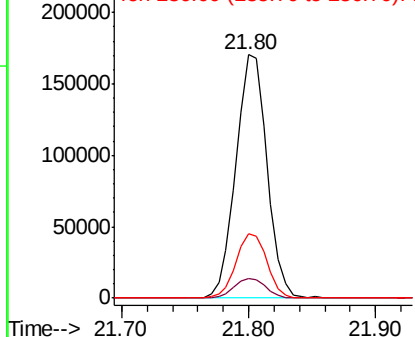


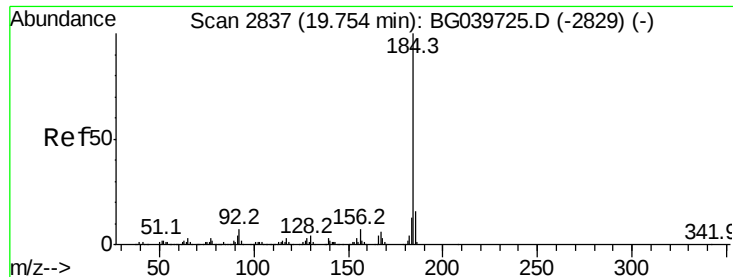
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG039920.D
 Acq: 14 Mar 2019 2:41

Tgt Ion:240 Resp: 289791
 Ion Ratio Lower Upper
 240 100
 120 8.2 7.0 10.6
 236 26.4 21.0 31.4



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: 2.055 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG039920.D

Acq: 14 Mar 2019 2:41

Instrument :

BNA_G

ClientSampleId :

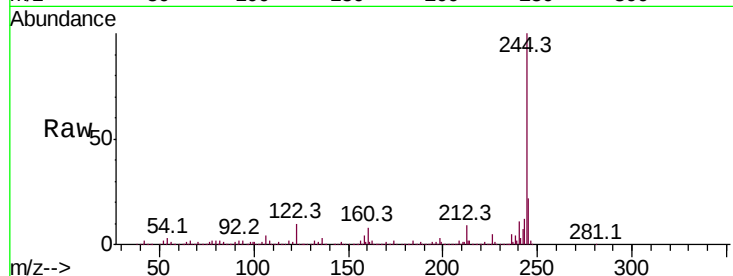
Tot Ion:184 Resp: 18899

Ion Ratio Lower Upper

184 100

185 18.7 12.2 18.2#

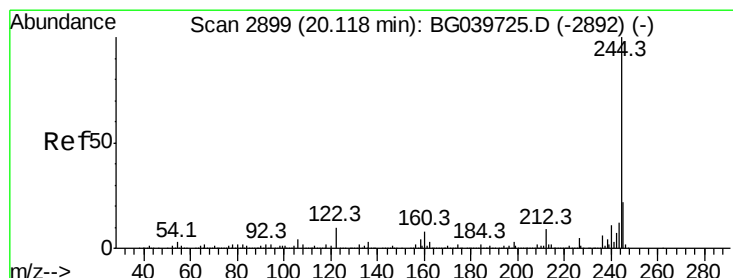
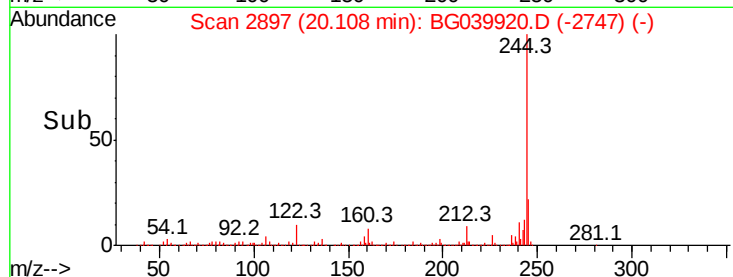
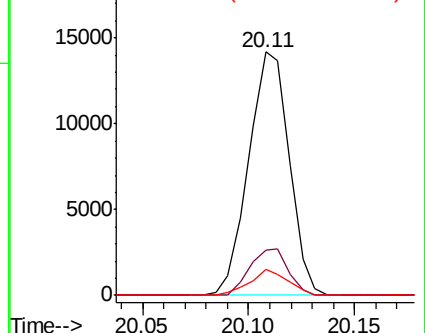
183 10.9 10.6 15.8



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: 85.840 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039920.D

Acq: 14 Mar 2019 2:41

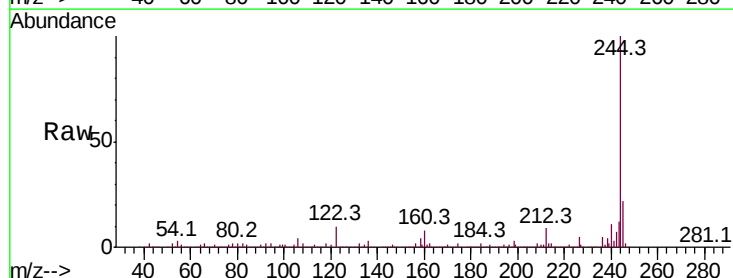
Tgt Ion:244 Resp: 1129780

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

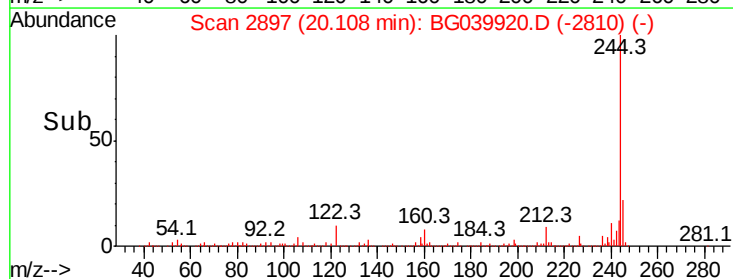
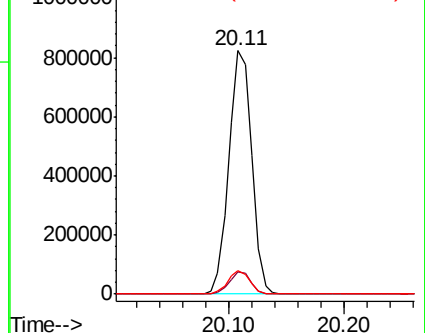
122 9.7 8.4 12.6

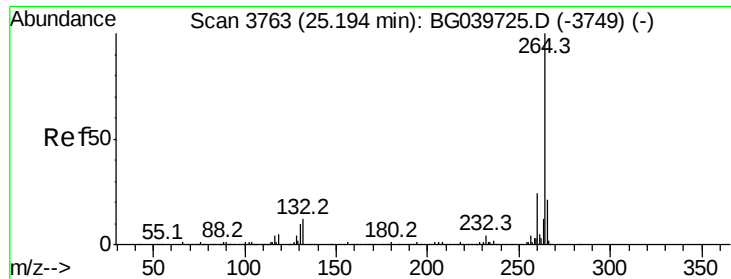


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.17 min Scan# 3758
Delta R.T. -0.03 min
Lab File: BG039920.D
Acq: 14 Mar 2019 2:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	22.3	18.5	27.7

