

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039917.D
 Acq On : 14 Mar 2019 00:42
 Operator : JU/SJ
 Sample : K1870-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:21:18 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

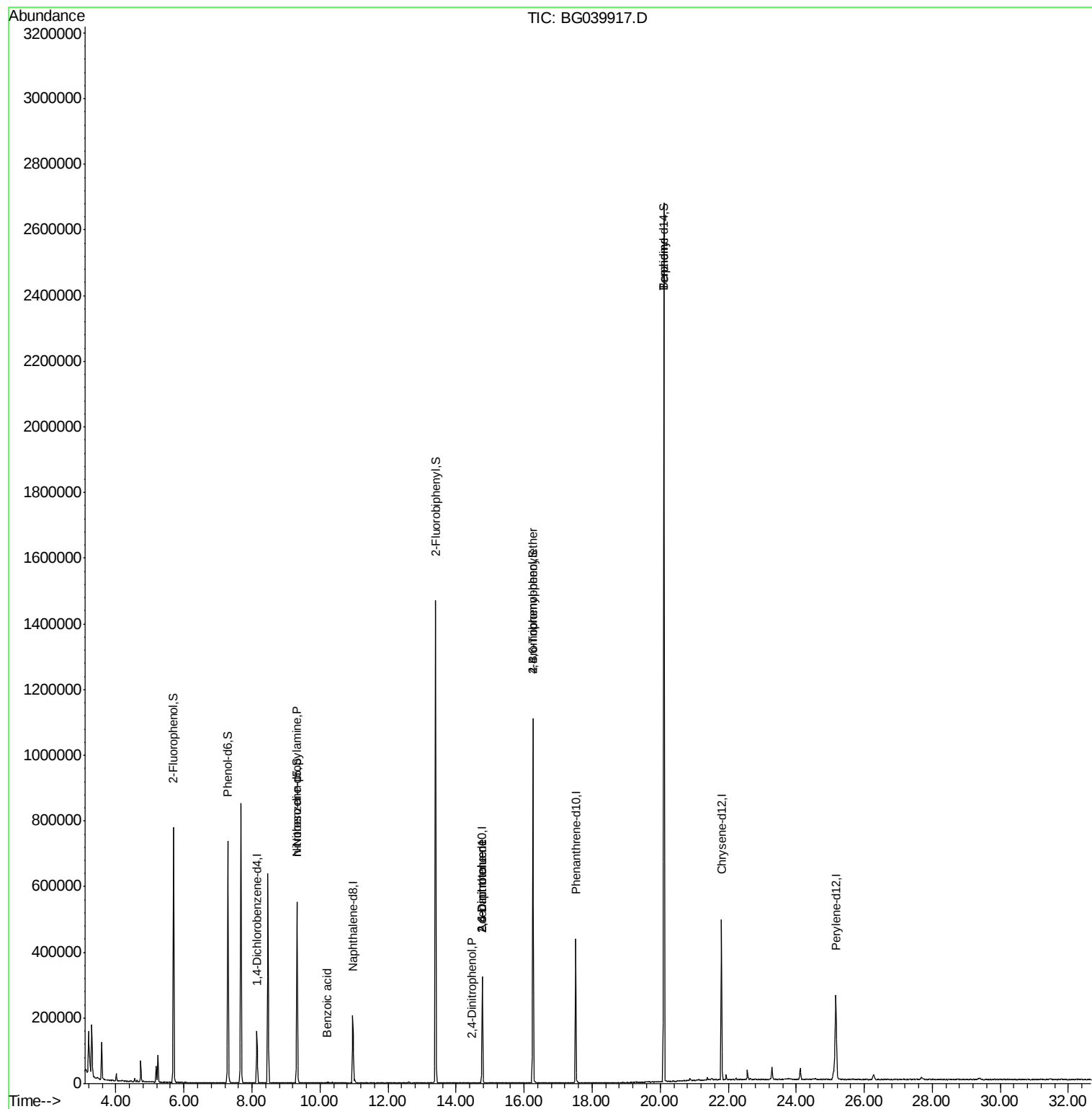
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43248	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	176720	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	115170	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	268585	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	300402	20.00	ng	-0.03
87) Perylene-d12	25.16	264	298580	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	323539	127.63	ng	-0.01
7) Phenol-d6	7.29	99	400642	105.99	ng	-0.02
23) Nitrobenzene-d5	9.33	82	326260	99.85	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	188795	140.64	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	781532	96.62	ng	-0.02
79) Terphenyl-d14	20.11	244	1255486	92.02	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	44263	16.269	ng	# 67
32) Benzoic acid	10.22	122	797	6.987	ng	# 60
51) 2,6-Dinitrotoluene	14.77	165	14887	7.292	ng	# 22
54) 2,4-Dinitrophenol	14.47	184	58	5.298	ng	# 18
57) 2,4-Dinitrotoluene	14.77	165	14887	5.189	ng	# 17
67) 4-Bromophenyl-phenylether	16.26	248	14965	4.978	ng	# 1
77) Benzidine	20.11	184	22979	2.411	ng	# 91

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

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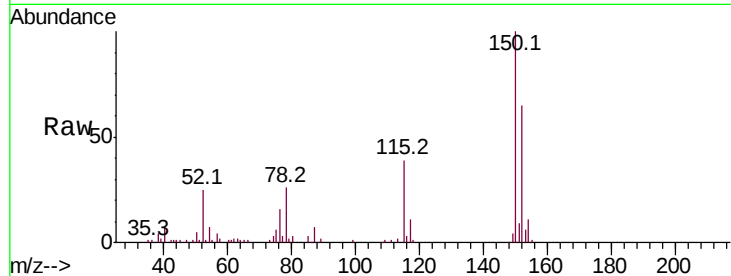


#1

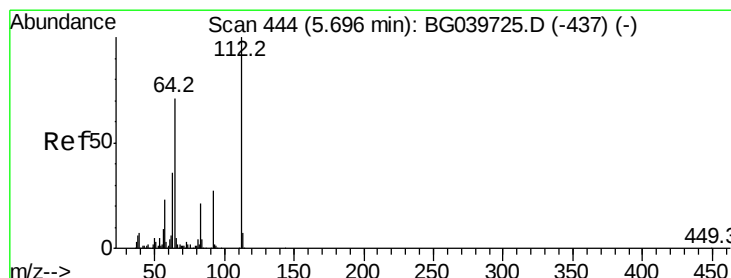
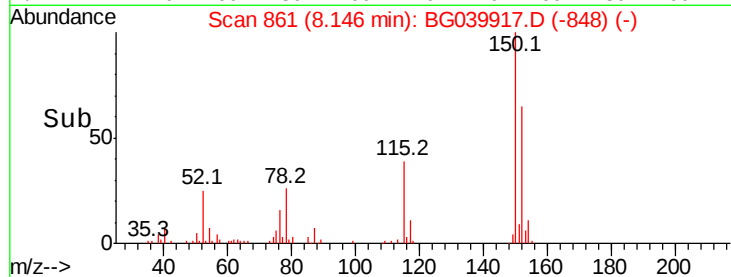
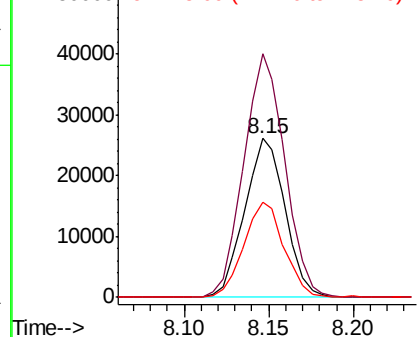
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039917.D
Acq: 14 Mar 2019 00:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 43248
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 60.2 45.9 68.9



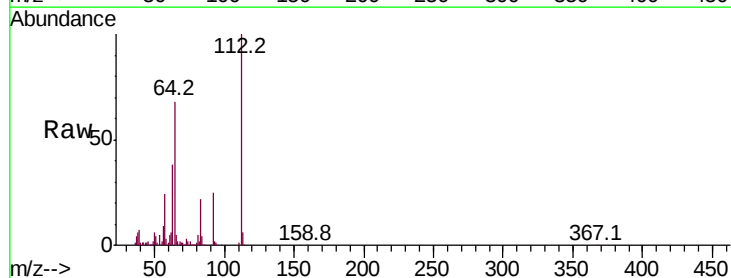
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



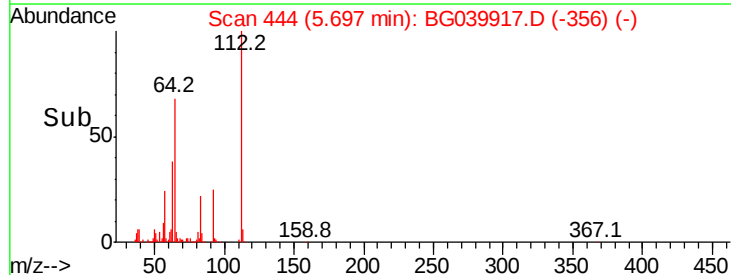
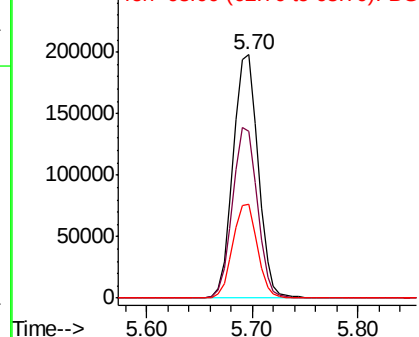
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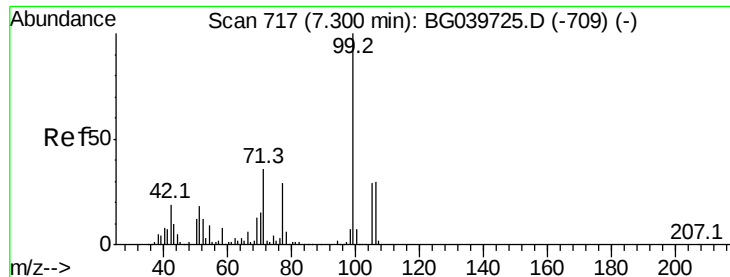
2-Fluorophenol
Concen: 127.627 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039917.D
Acq: 14 Mar 2019 00:42

Tgt Ion:112 Resp: 323539
Ion Ratio Lower Upper
112 100
64 68.3 57.8 86.8
63 38.3 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: 105.993 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039917.D

Acq: 14 Mar 2019 00:42

Instrument :

BNA_G

ClientSampleId :

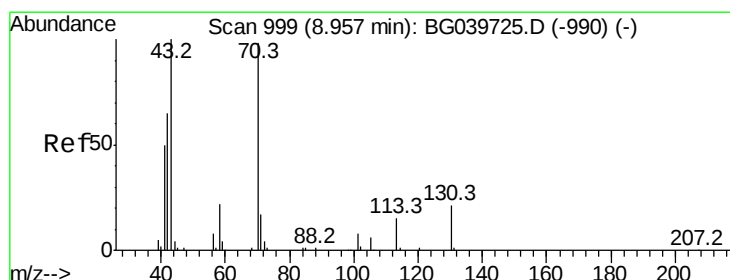
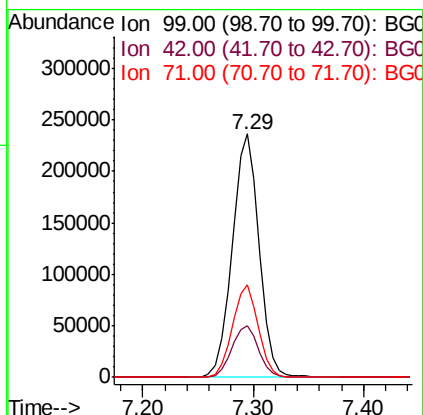
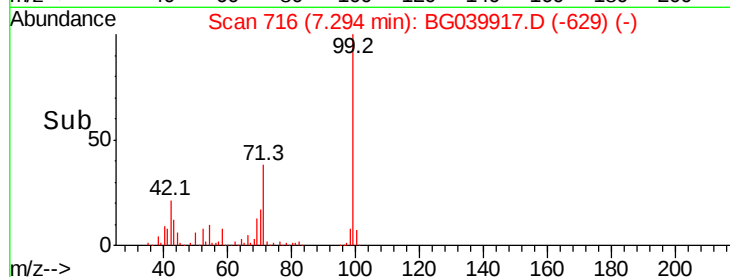
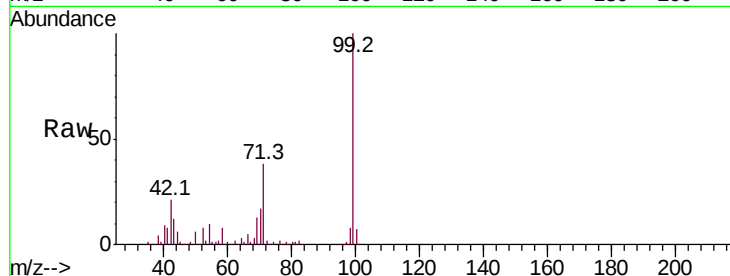
Tot Ion: 99 Resp: 400642

Ion Ratio Lower Upper

99 100

42 21.2 18.2 27.2

71 38.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.269 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039917.D

Acq: 14 Mar 2019 00:42

Tgt Ion: 70 Resp: 44263

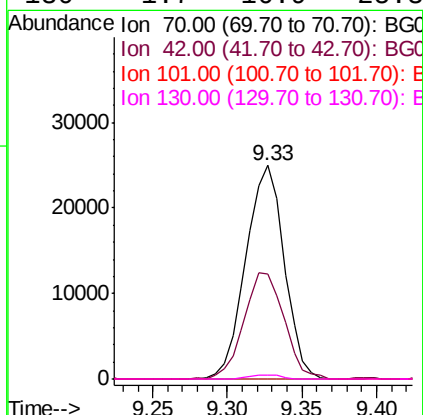
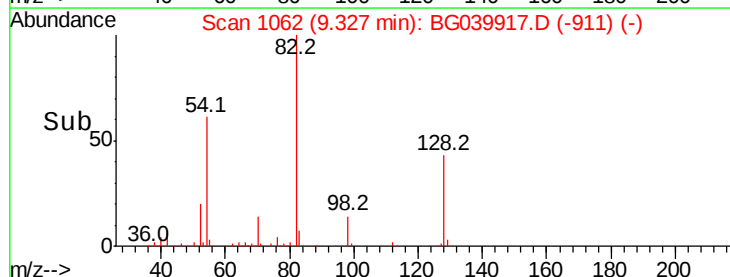
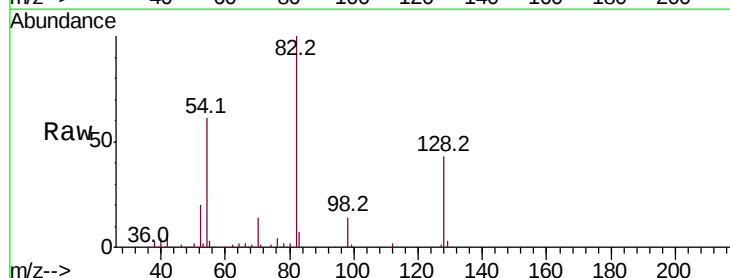
Ion Ratio Lower Upper

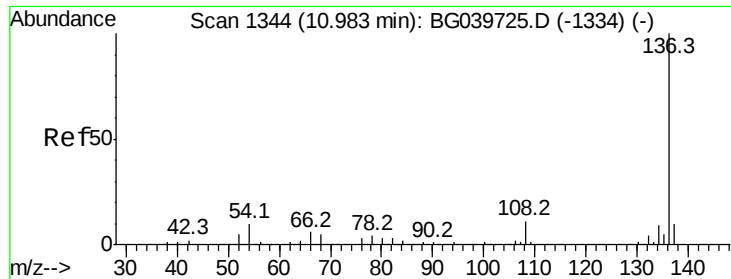
70 100

42 48.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#

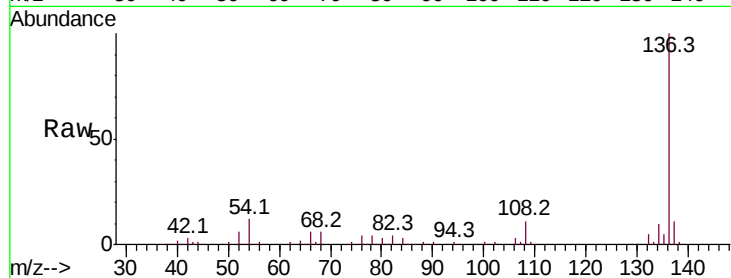




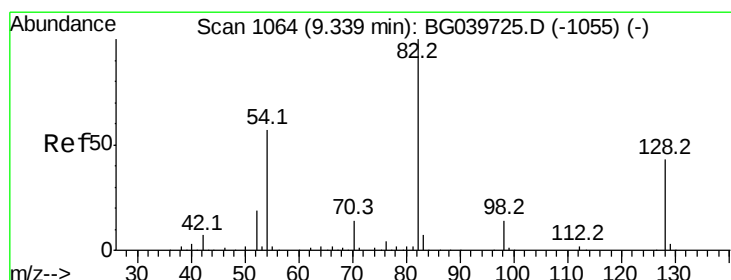
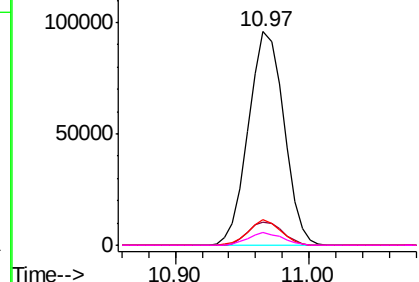
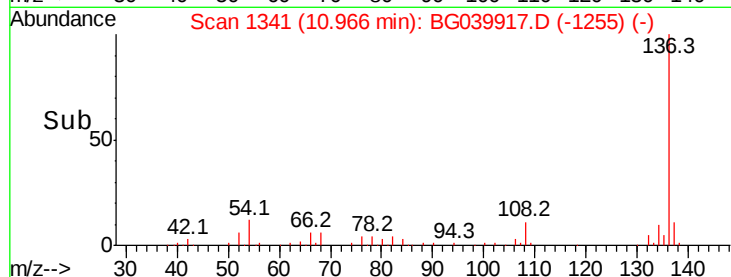
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039917.D
Acq: 14 Mar 2019 00:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	176720
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	11.8	9.4	14.2
68	6.1	4.2	6.4

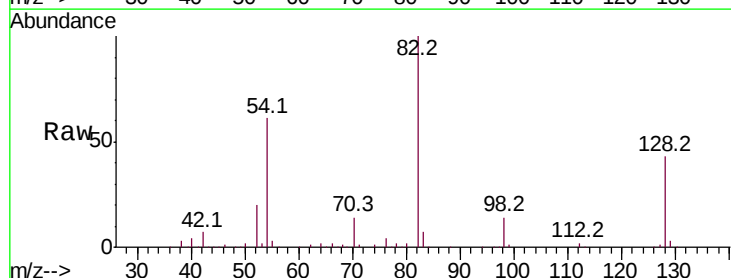


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

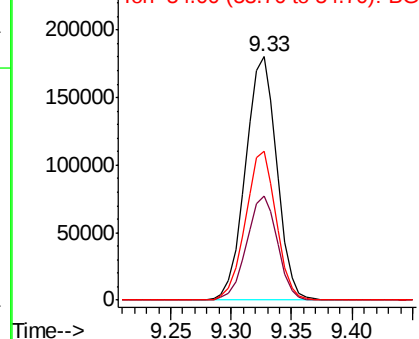
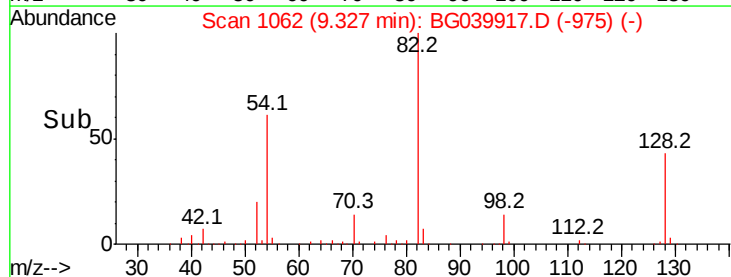


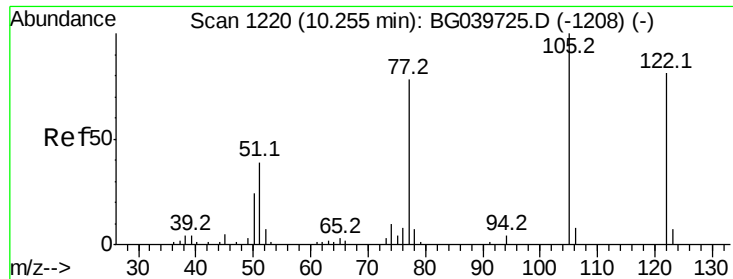
#23
Nitrobenzene-d5
Concen: 99.850 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039917.D
Acq: 14 Mar 2019 00:42

Tgt Ion:	82	Resp:	326260
Ion	Ratio	Lower	Upper
82	100		
128	42.5	31.3	46.9
54	61.0	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

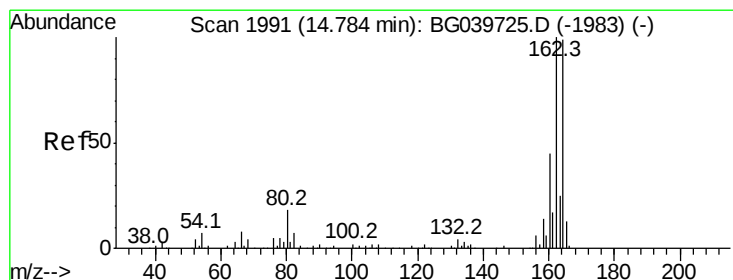
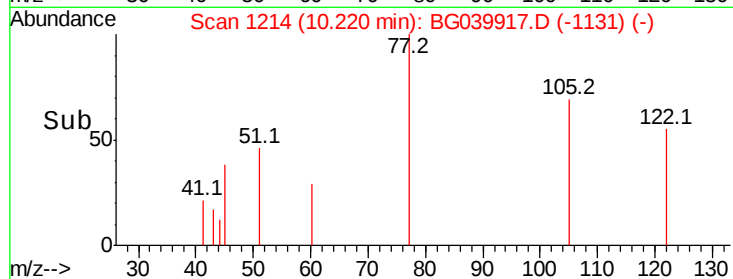
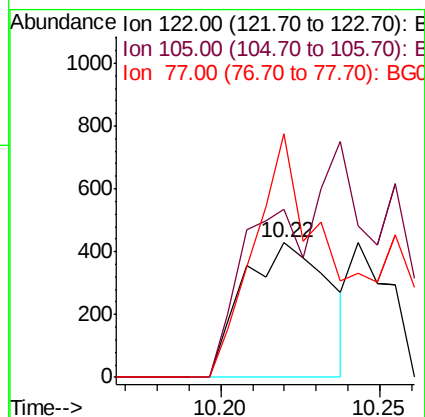
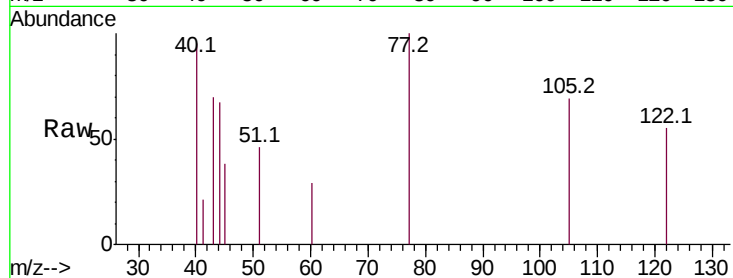




#32
Benzoic acid
Concen: 6.987 ng
RT: 10.22 min Scan# 1214
Delta R.T. -0.04 min
Lab File: BG039917.D
Acq: 14 Mar 2019 00:42

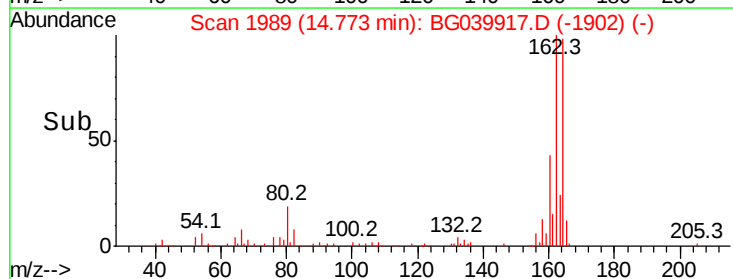
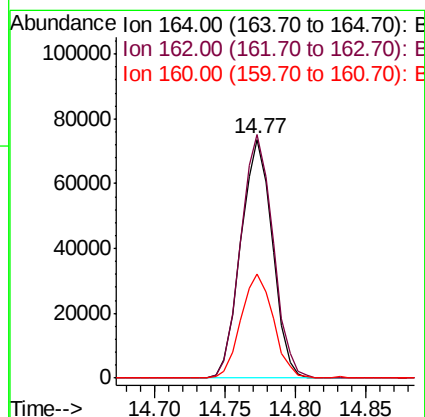
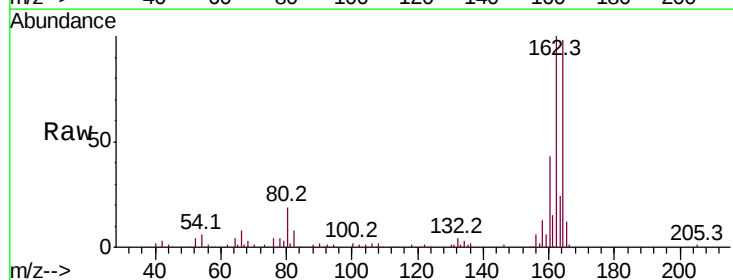
Instrument :
BNA_G
ClientSampleId :

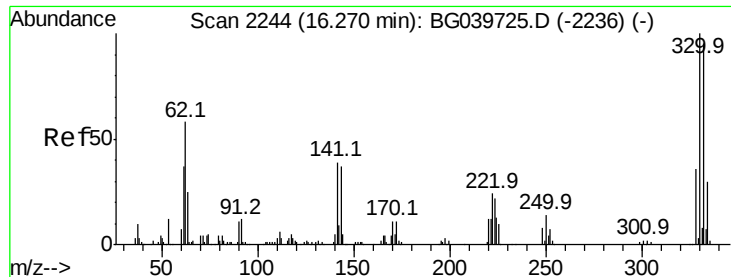
Tot Ion:122 Resp: 797
Ion Ratio Lower Upper
122 100
105 125.5 101.8 141.8
77 181.1 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG039917.D
Acq: 14 Mar 2019 00:42

Tgt Ion:164 Resp: 115170
Ion Ratio Lower Upper
164 100
162 102.0 81.6 122.4
160 43.7 34.2 51.2

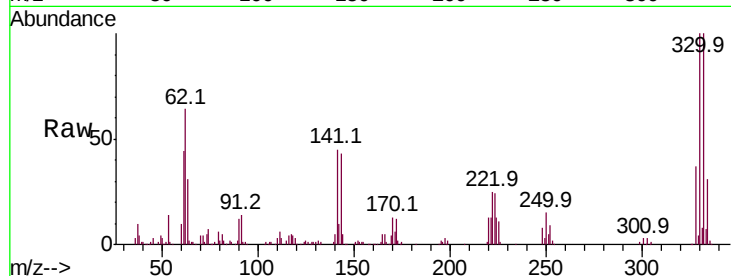




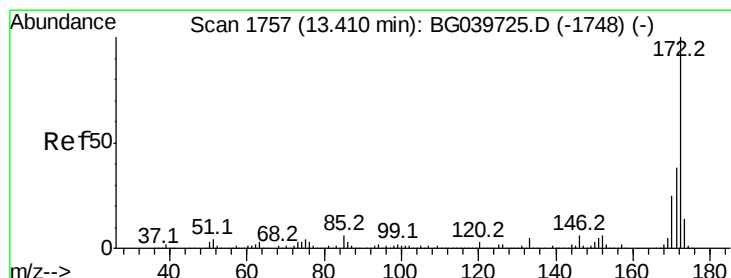
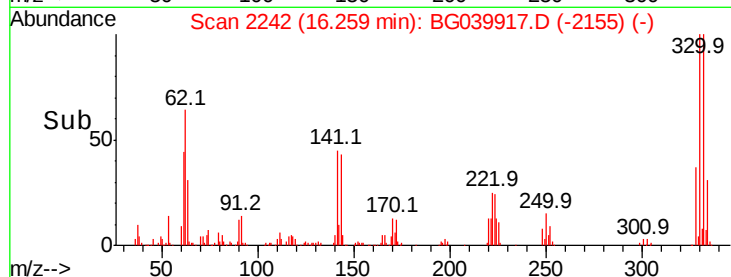
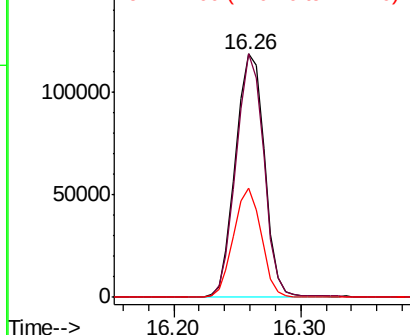
#42
 2,4,6-Tribromophenol
 Concen: 140.641 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039917.D
 Acq: 14 Mar 2019 00:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.7	113.5
141	42.8	35.6	53.4

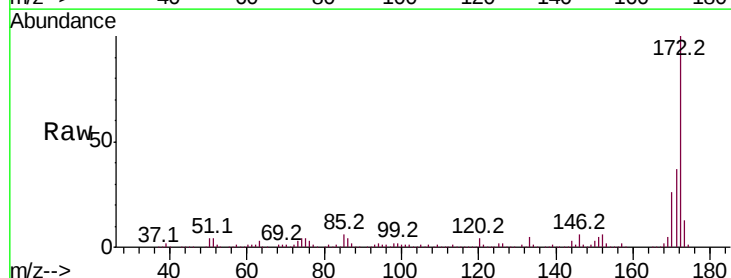


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

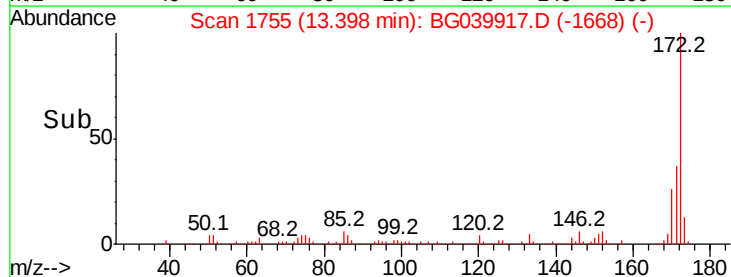
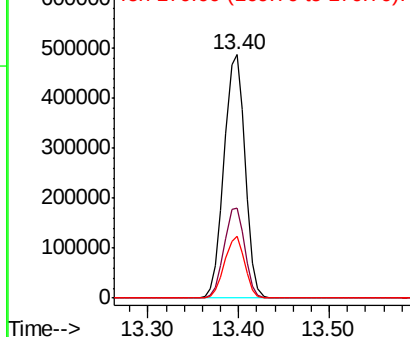


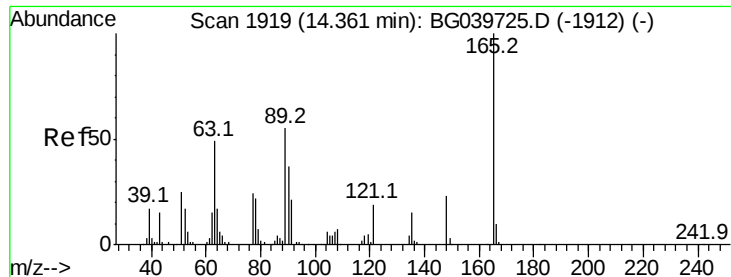
#45
 2-Fluorobiphenyl
 Concen: 96.620 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039917.D
 Acq: 14 Mar 2019 00:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.8	46.2
170	25.6	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

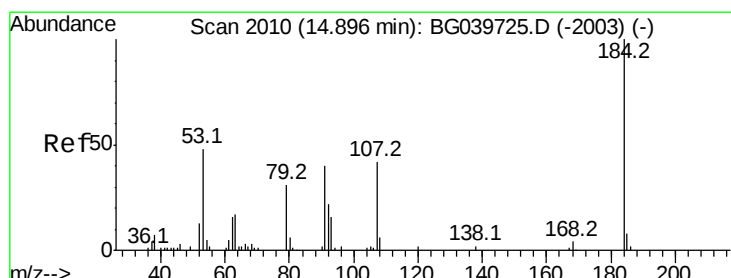
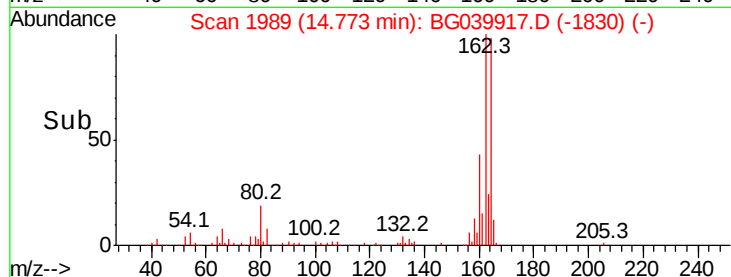
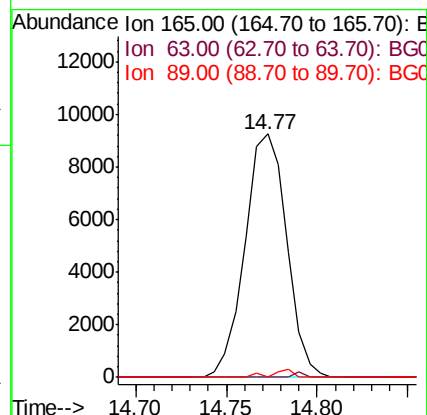
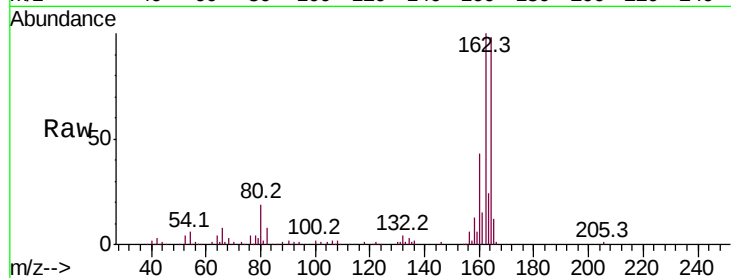




#51
 2,6-Dinitrotoluene
 Concen: 7.292 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039917.D
 Acq: 14 Mar 2019 00:42

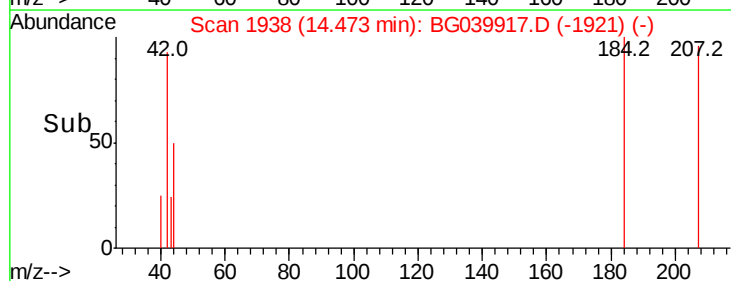
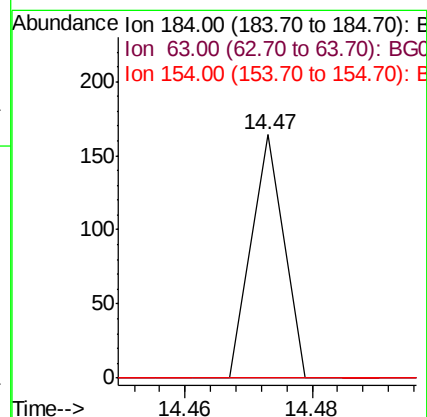
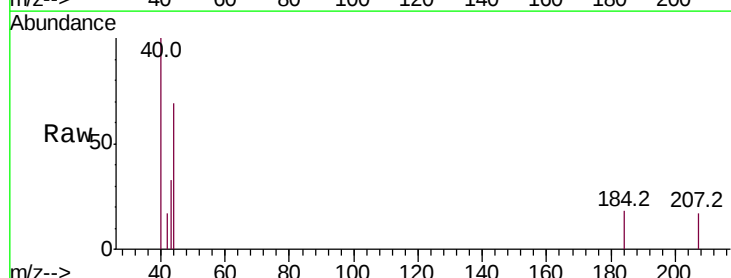
Instrument :
 BNA_G
 ClientSampleId :

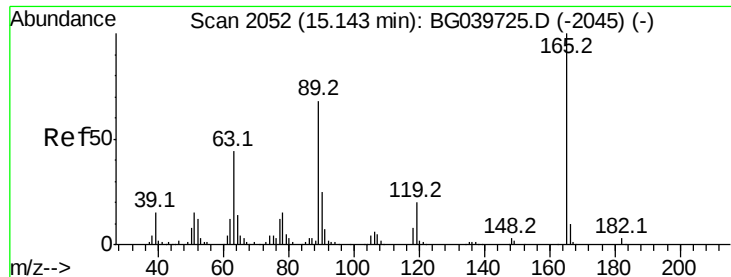
Tot Ion:165 Resp: 14887
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#



#54
 2,4-Dinitrophenol
 Concen: 5.298 ng
 RT: 14.47 min Scan# 1938
 Delta R.T. -0.43 min
 Lab File: BG039917.D
 Acq: 14 Mar 2019 00:42

Tgt Ion:184 Resp: 58
 Ion Ratio Lower Upper
 184 100
 63 0.0 50.9 76.3#
 154 0.0 53.0 79.6#

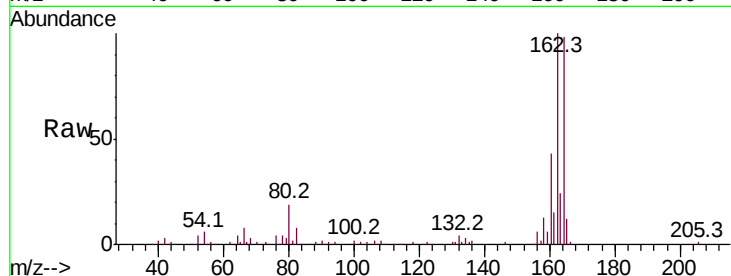




#57
 2,4-Dinitrotoluene
 Concen: 5.189 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039917.D
 Acq: 14 Mar 2019 00:42

Instrument :
 BNA_G
 ClientSampleId :

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

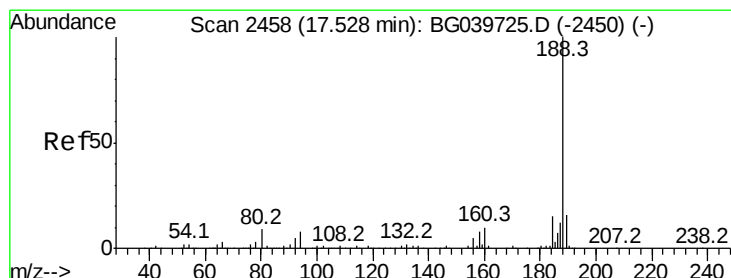
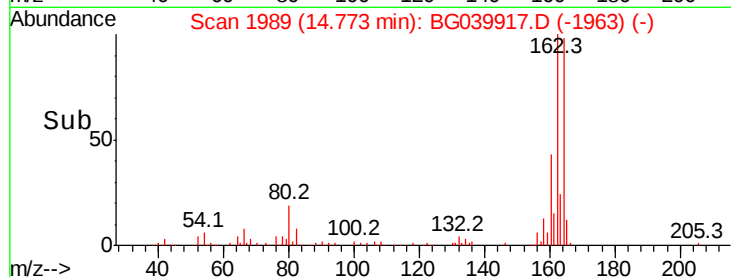
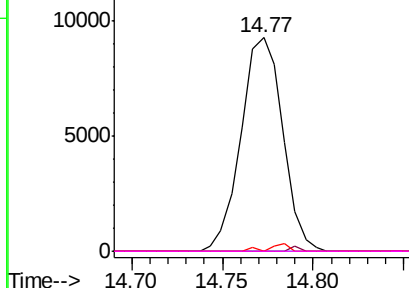


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

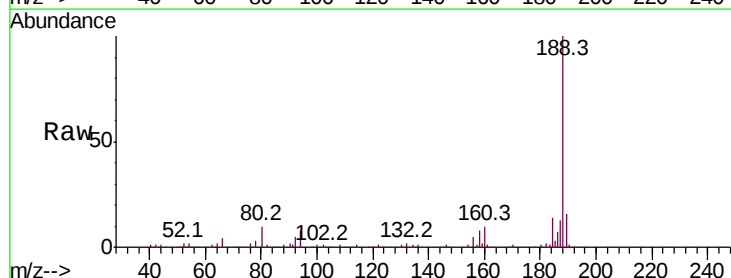
Ion 89.00 (88.70 to 89.70): BGC

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: BG039917.D
 Acq: 14 Mar 2019 00:42

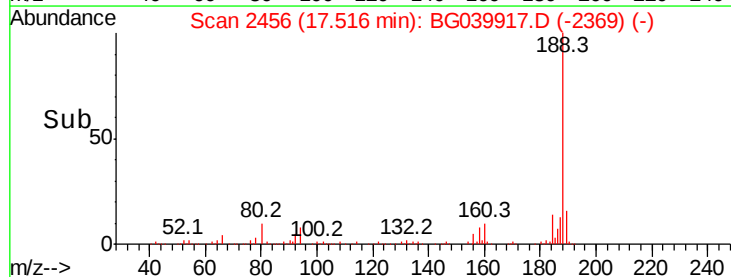
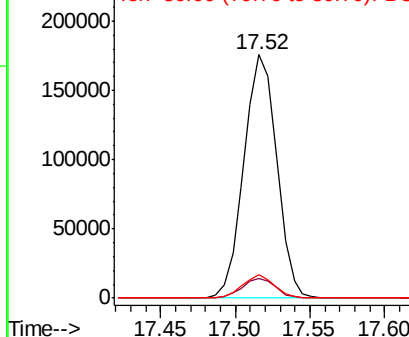
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	9.7	8.1	12.1

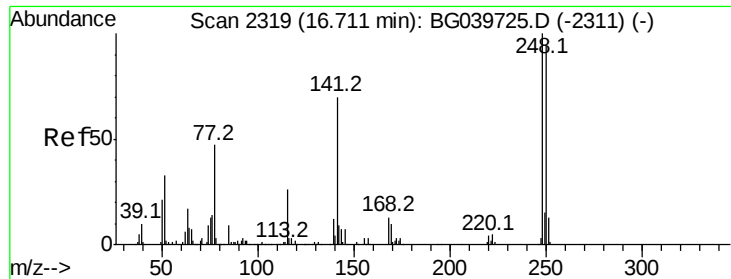


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

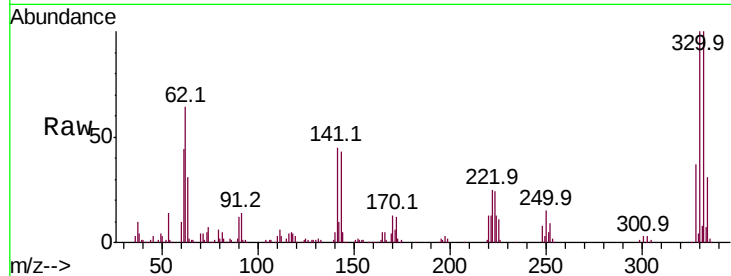




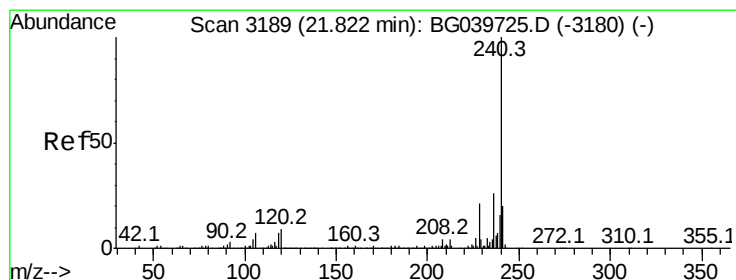
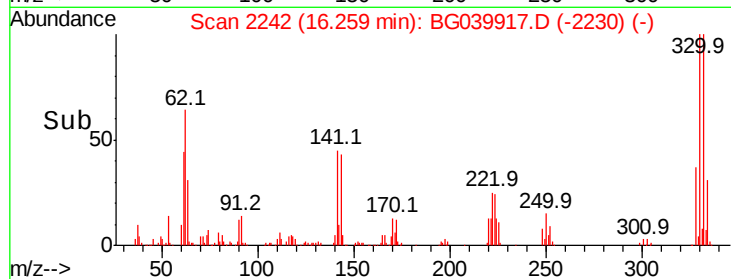
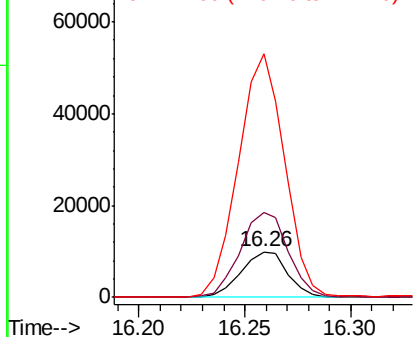
#67
4-Bromophenyl-phenylether
Concen: 4.978 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG039917.D
Acq: 14 Mar 2019 00:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14965
Ion Ratio Lower Upper
248 100
250 184.6 77.6 116.4#
141 532.5 63.9 95.9#

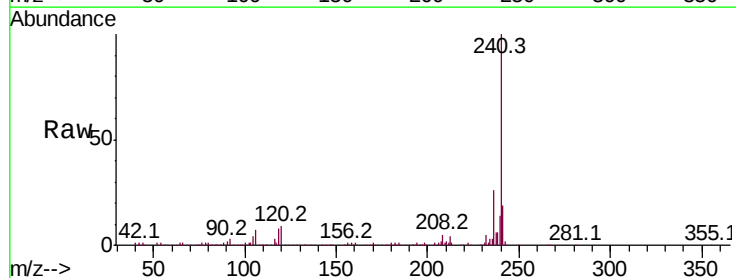


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

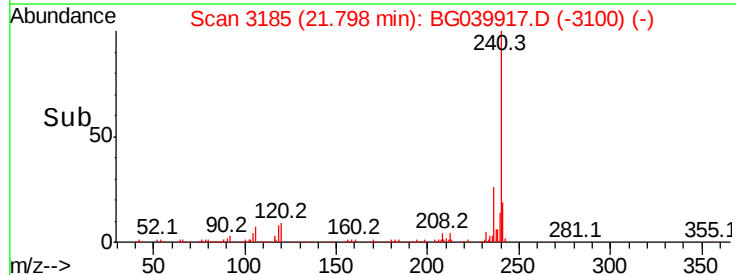
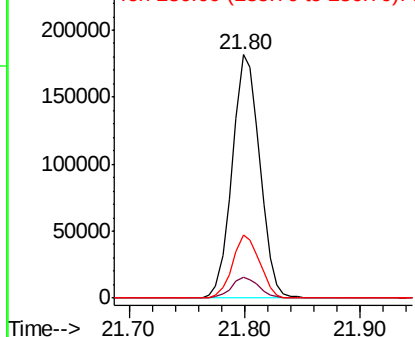


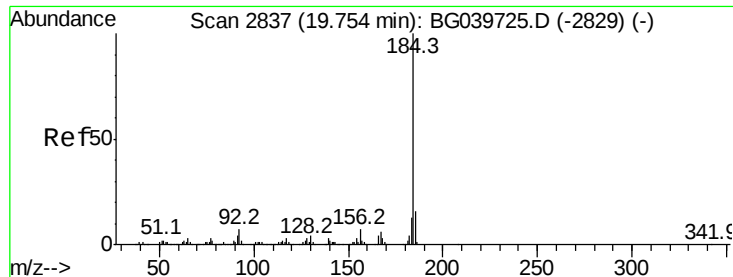
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG039917.D
Acq: 14 Mar 2019 00:42

Tgt Ion:240 Resp: 300402
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 25.8 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: 2.411 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039917.D

Acq: 14 Mar 2019 00:42

Instrument :

BNA_G

ClientSampleId :

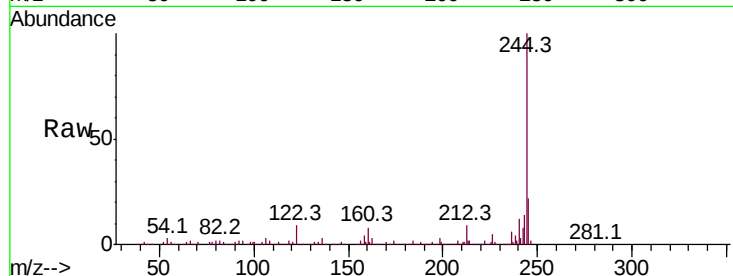
Tot Ion:184 Resp: 22979

Ion Ratio Lower Upper

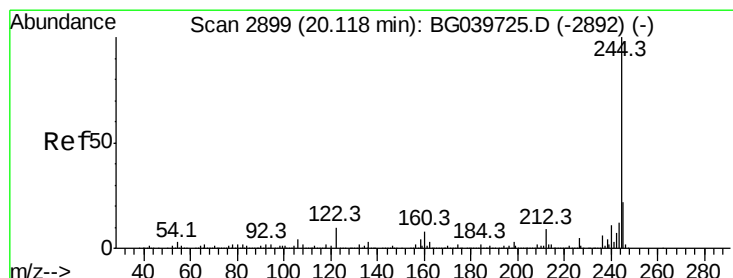
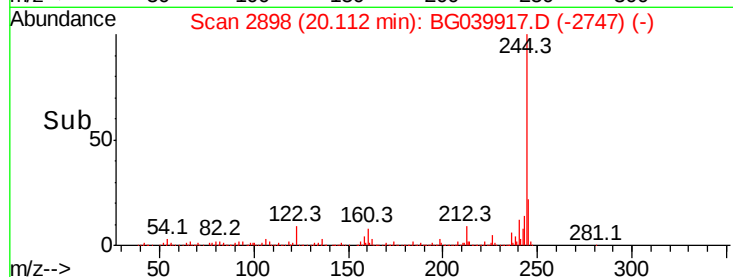
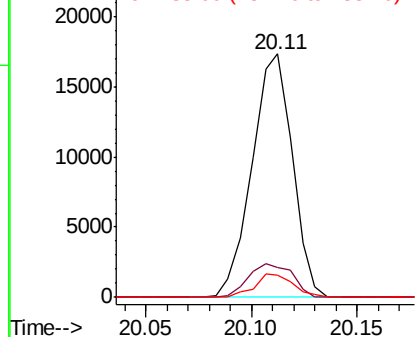
184 100

185 12.4 12.2 18.2

183 8.9 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: 92.021 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039917.D

Acq: 14 Mar 2019 00:42

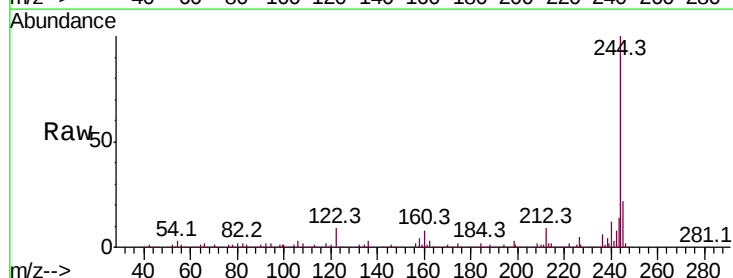
Tgt Ion:244 Resp: 1255486

Ion Ratio Lower Upper

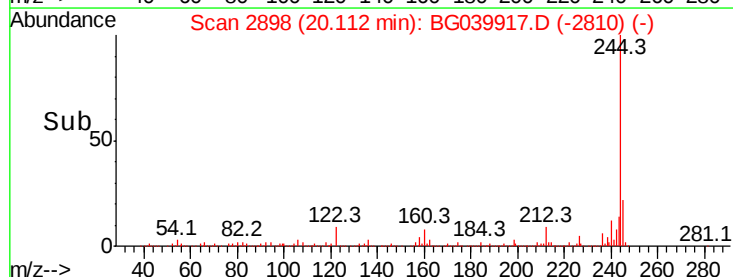
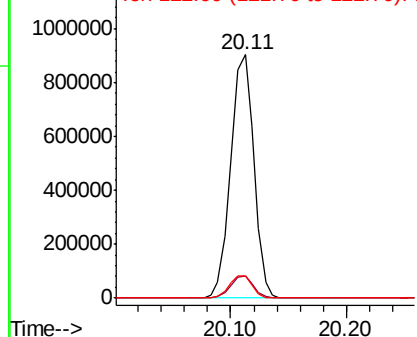
244 100

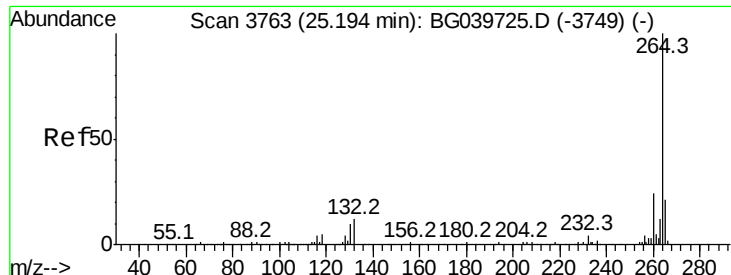
212 9.0 7.3 10.9

122 9.1 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

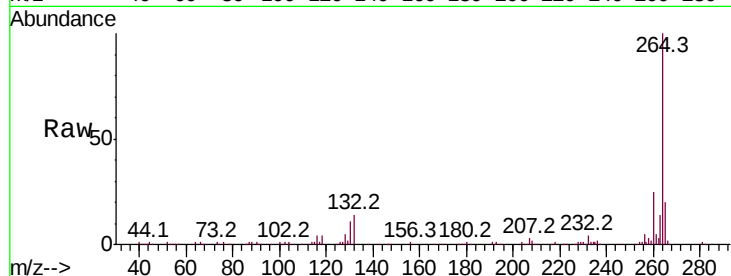




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3758
 Delta R.T. -0.04 min
 Lab File: BG039917.D
 Acq: 14 Mar 2019 00:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	298580
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.4
265	20.3	18.5	27.7



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

