

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039915.D
 Acq On : 13 Mar 2019 23:22
 Operator : JU/SJ
 Sample : K1870-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:20:58 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

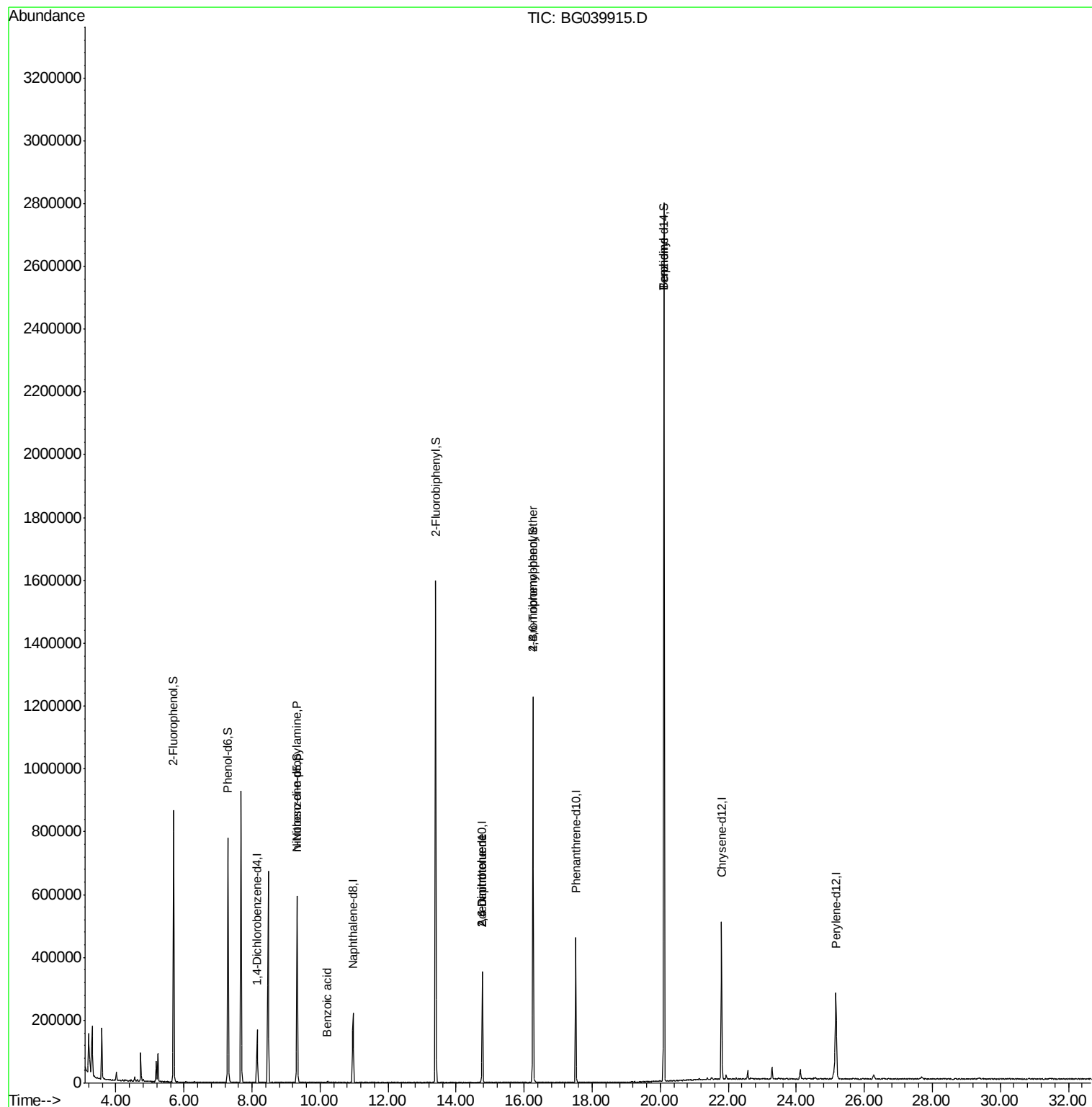
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	47845	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	185755	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	121320	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	284025	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	309272	20.00	ng	-0.03
87) Perylene-d12	25.16	264	307903	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	343522	122.49	ng	-0.01
7) Phenol-d6	7.29	99	429425	102.69	ng	-0.02
23) Nitrobenzene-d5	9.33	82	347981	101.32	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	204582	144.68	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	824332	96.74	ng	-0.02
79) Terphenyl-d14	20.11	244	1260105	89.71	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	45658	15.169	ng	# 72
32) Benzoic acid	10.21	122	1919	7.489	ng	# 87
51) 2,6-Dinitrotoluene	14.77	165	16208	7.536	ng	# 25
57) 2,4-Dinitrotoluene	14.77	165	16208	5.364	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	16283	5.122	ng	# 1
77) Benzidine	20.11	184	22548	2.298	ng	# 92

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

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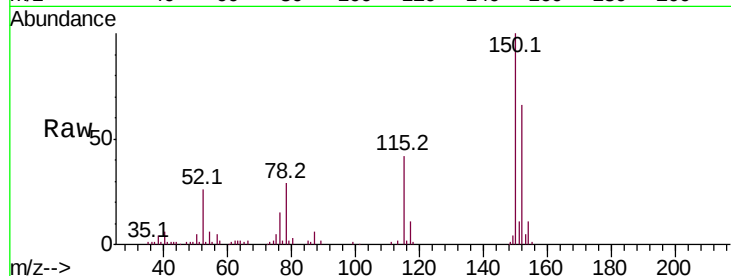


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039915.D
Acq: 13 Mar 2019 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	123.7	185.5
115	62.6	45.9	68.9

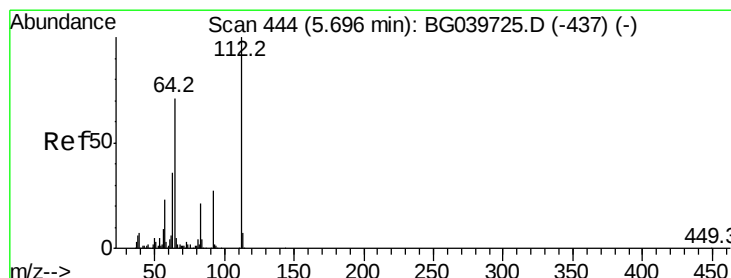
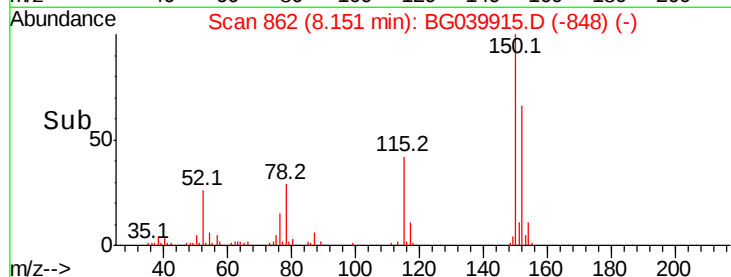
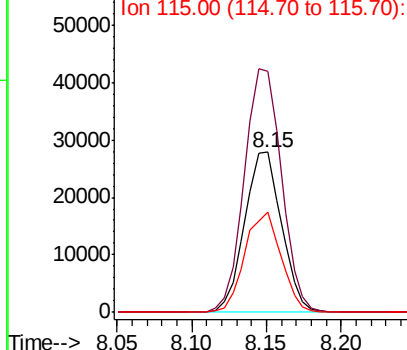


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

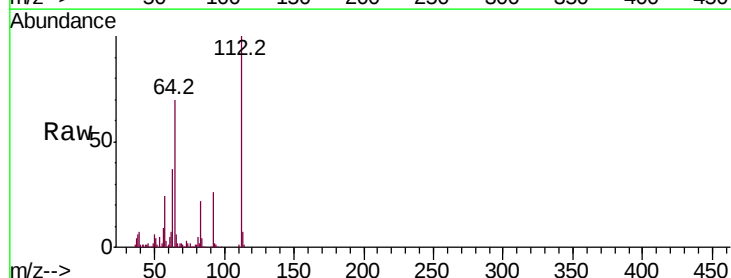
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.490 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039915.D
Acq: 13 Mar 2019 23:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	57.8	86.8
63	37.4	29.8	44.6

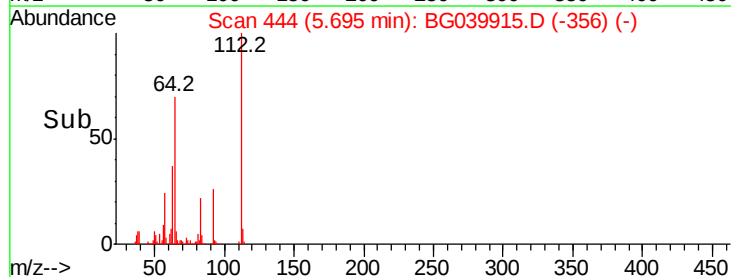
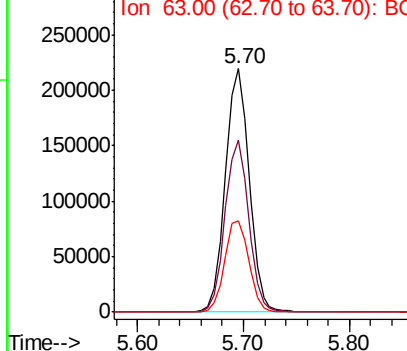


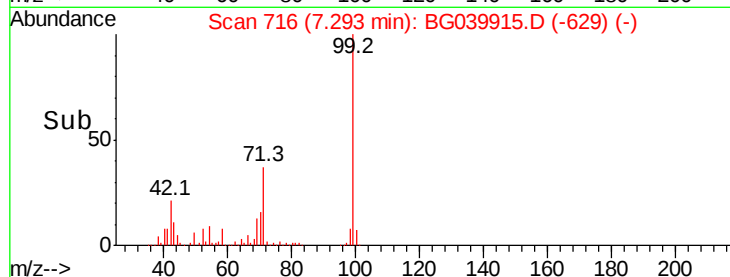
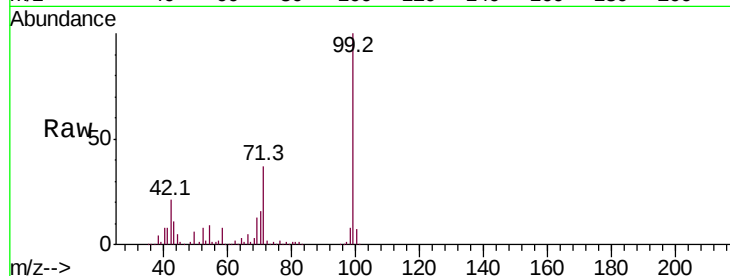
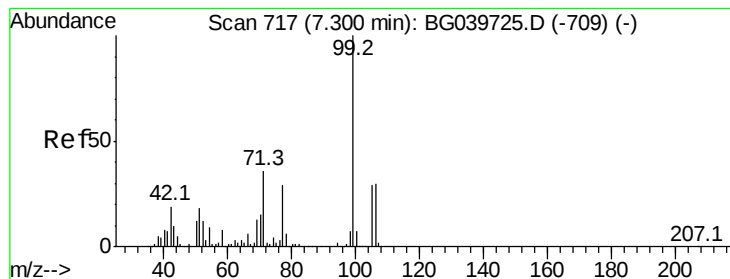
Abundance

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: 102.692 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039915.D

Acq: 13 Mar 2019 23:22

Instrument :

BNA_G

ClientSampleId :

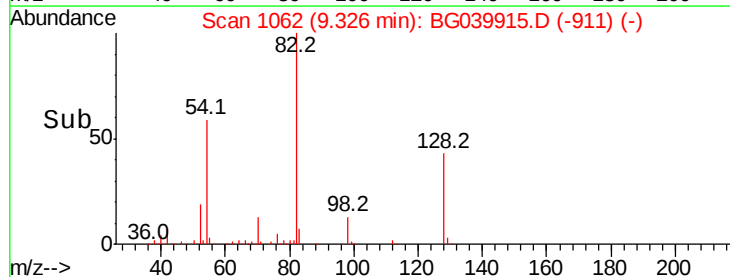
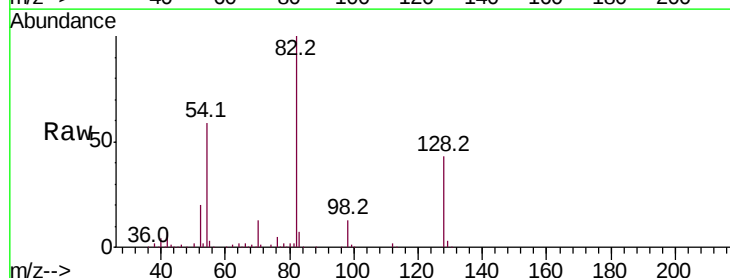
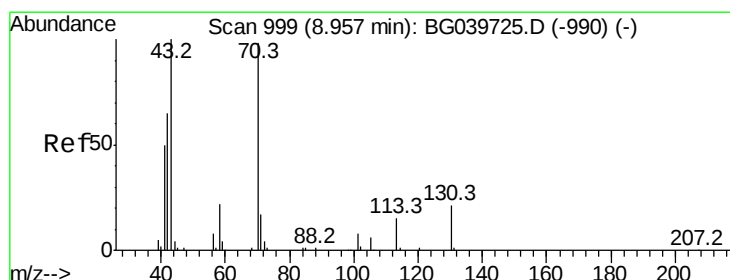
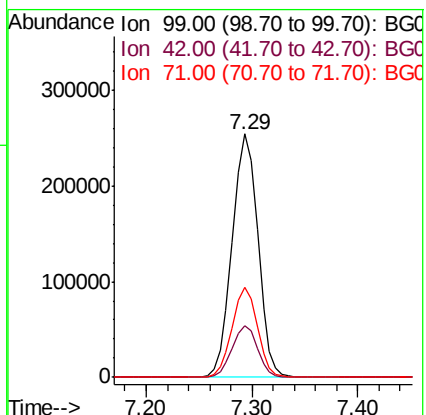
Tot Ion: 99 Resp: 429425

Ion Ratio Lower Upper

99 100

42 21.4 18.2 27.2

71 37.1 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.169 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039915.D

Acq: 13 Mar 2019 23:22

Tgt Ion: 70 Resp: 45658

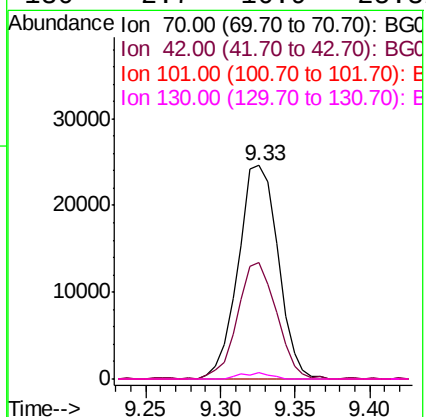
Ion Ratio Lower Upper

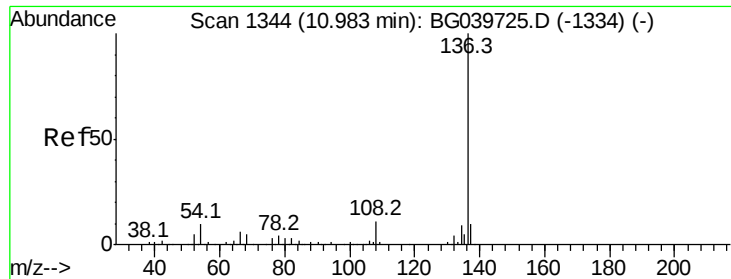
70 100

42 54.4 60.4 90.6#

101 0.0 7.5 11.3#

130 2.7 16.9 25.3#

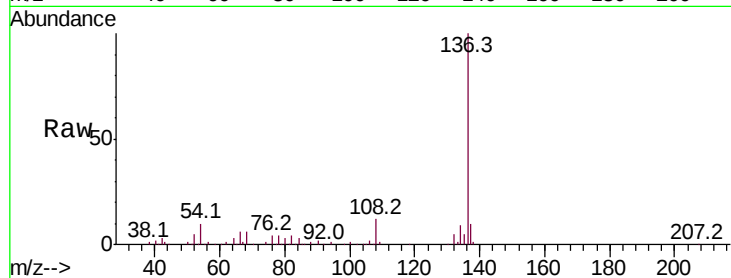




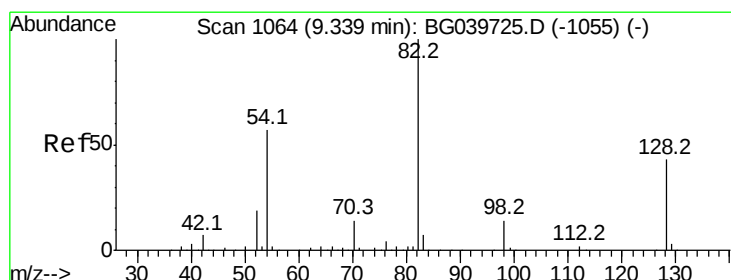
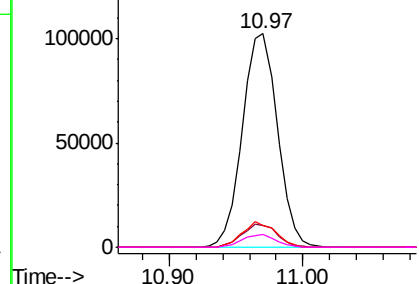
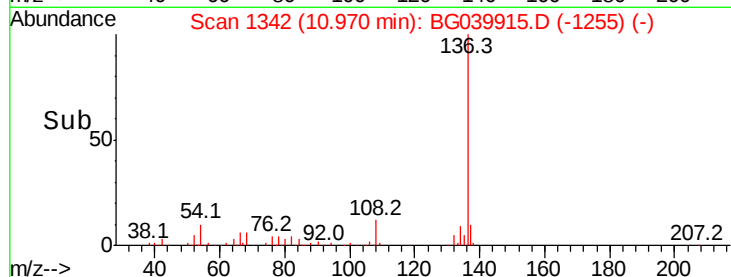
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039915.D
Acq: 13 Mar 2019 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	185755
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.1 13.7
54	10.3	9.4 14.2
68	6.2	4.2 6.4

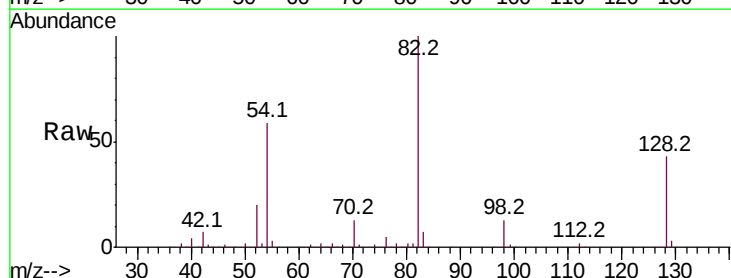


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

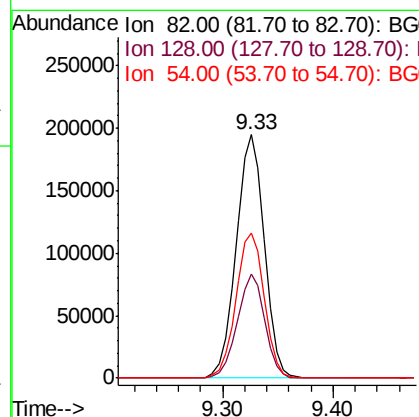
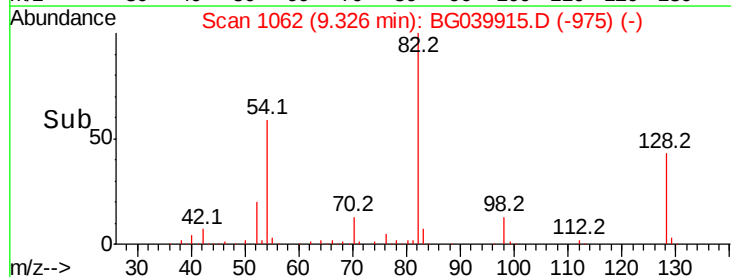


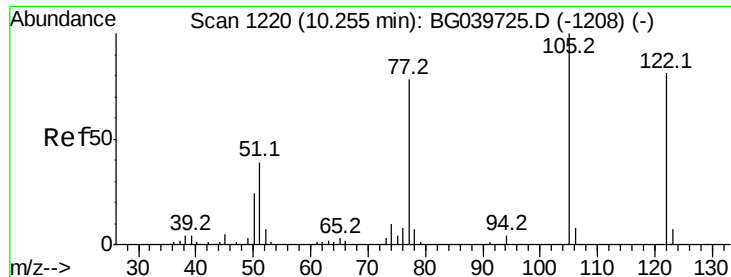
#23
Nitrobenzene-d5
Concen: 101.317 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039915.D
Acq: 13 Mar 2019 23:22

Tgt Ion: 82	Resp:	347981
Ion Ratio	Lower	Upper
82	100	
128	42.8	31.3 46.9
54	59.4	50.9 76.3



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





#32

Benzoic acid

Concen: 7.489 ng

RT: 10.21 min Scan# 1213

Delta R.T. -0.05 min

Lab File: BG039915.D

Acq: 13 Mar 2019 23:22

Instrument :

BNA_G

ClientSampleId :

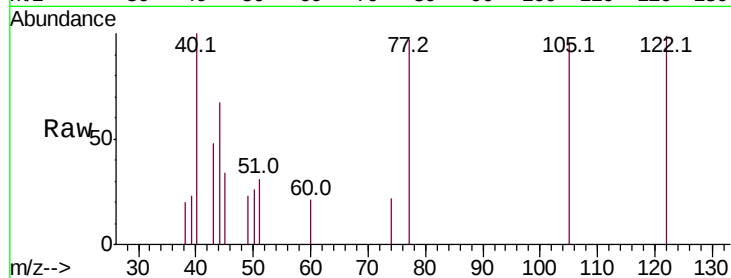
Tot Ion:122 Resp: 1919

Ion Ratio Lower Upper

122 100

105 97.4 101.8 141.8#

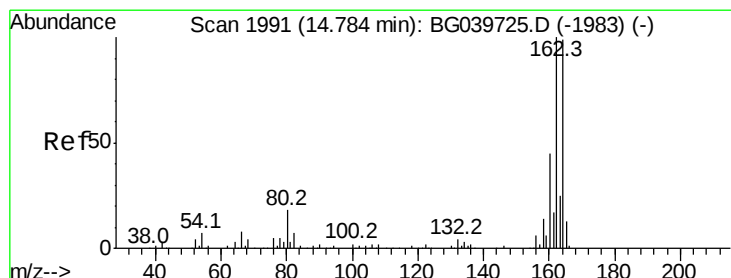
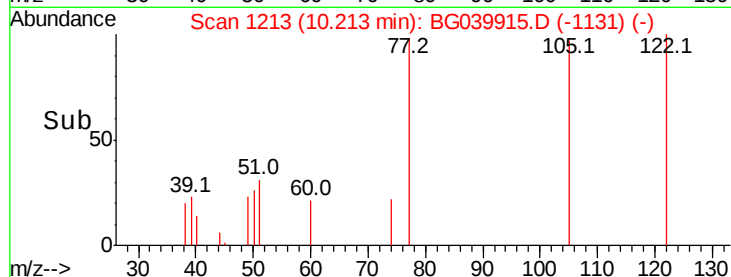
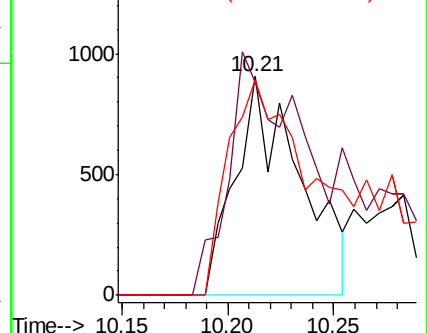
77 98.2 76.3 116.3



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: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039915.D

Acq: 13 Mar 2019 23:22

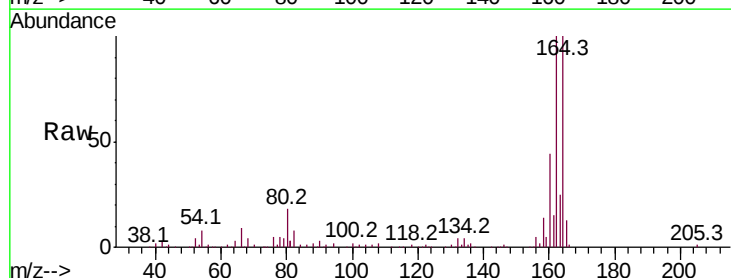
Tgt Ion:164 Resp: 121320

Ion Ratio Lower Upper

164 100

162 99.8 81.6 122.4

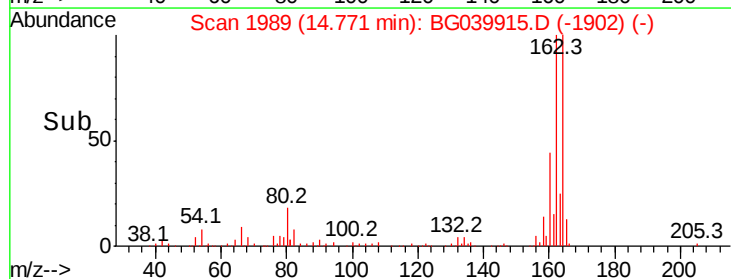
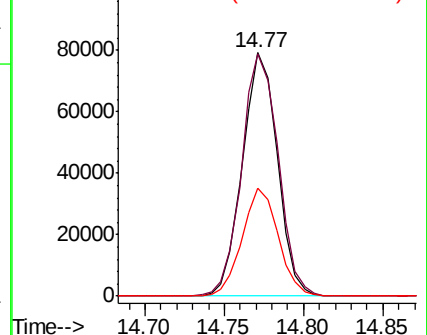
160 44.2 34.2 51.2

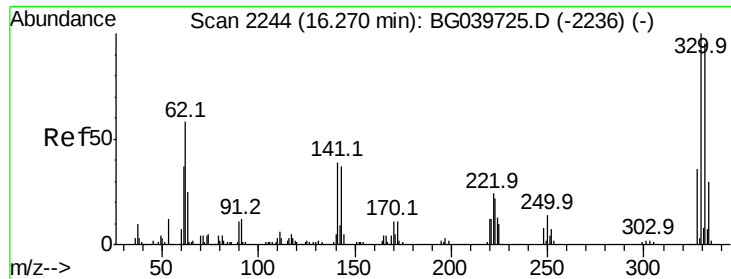


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

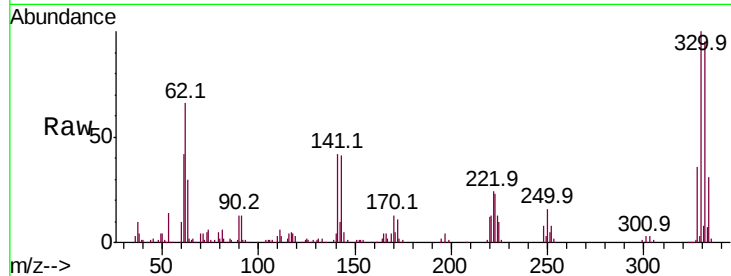




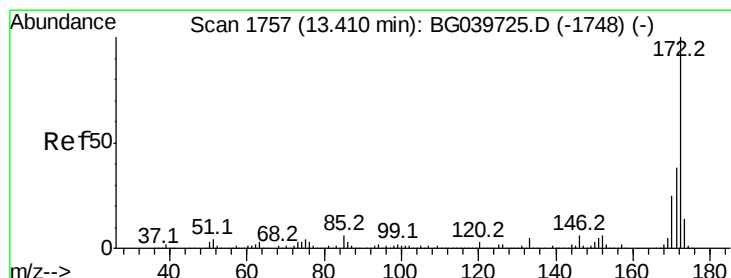
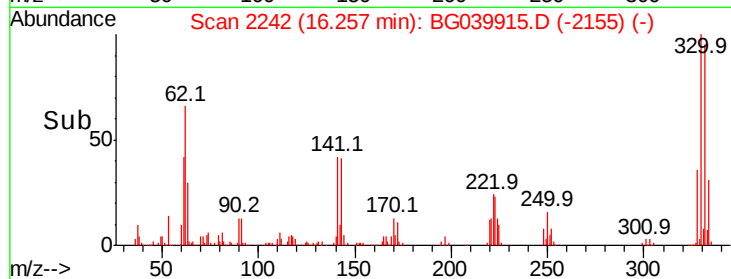
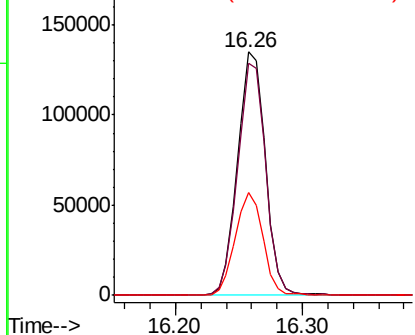
#42
 2,4,6-Tribromophenol
 Concen: 144.676 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039915.D
 Acq: 13 Mar 2019 23:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.7	113.5
141	42.1	35.6	53.4

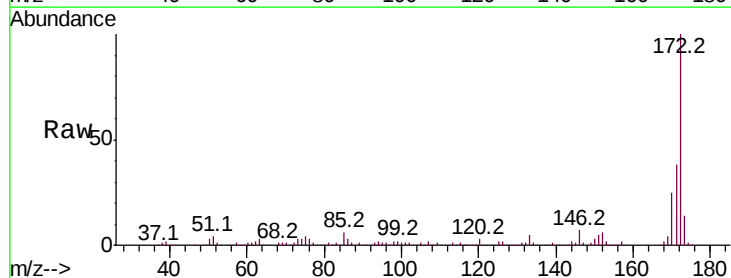


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

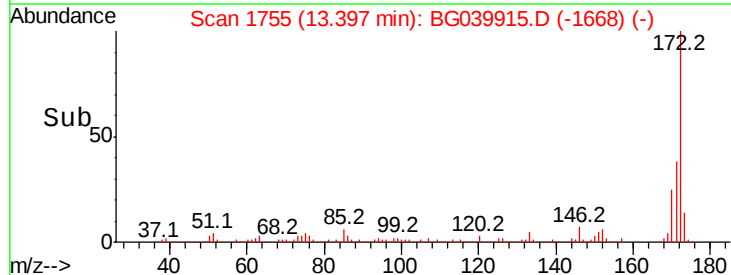
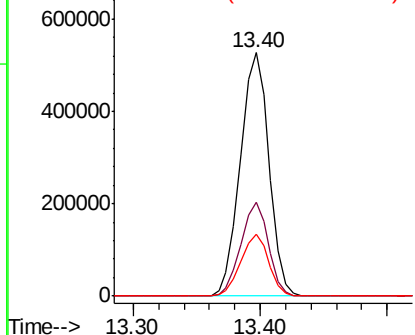


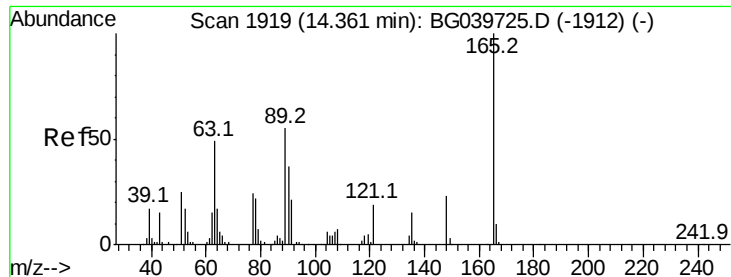
#45
 2-Fluorobiphenyl
 Concen: 96.745 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039915.D
 Acq: 13 Mar 2019 23:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.8	46.2
170	25.5	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

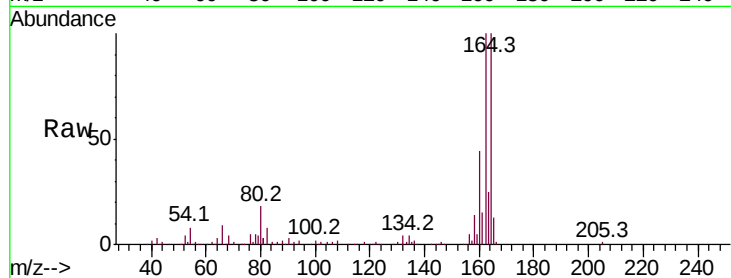




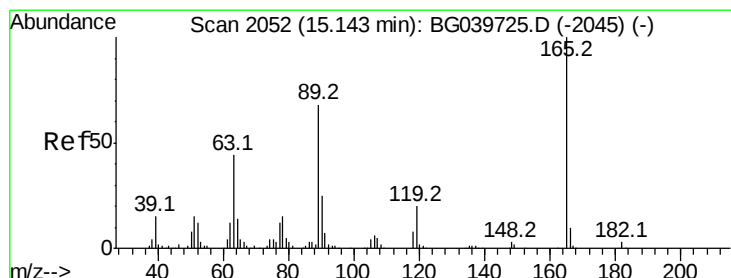
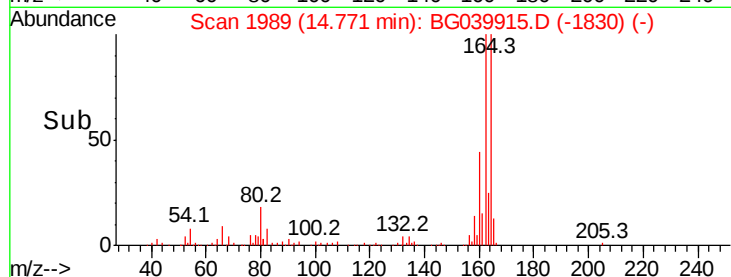
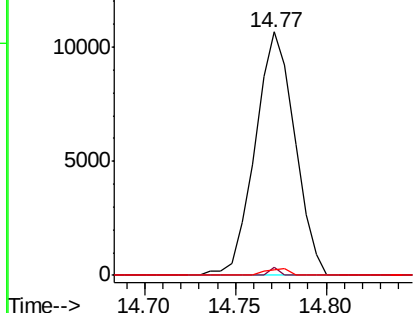
#51
 2,6-Dinitrotoluene
 Concen: 7.536 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039915.D
 Acq: 13 Mar 2019 23:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 16208
 Ion Ratio Lower Upper
 165 100
 63 3.2 47.0 70.6#
 89 2.1 45.8 68.8#

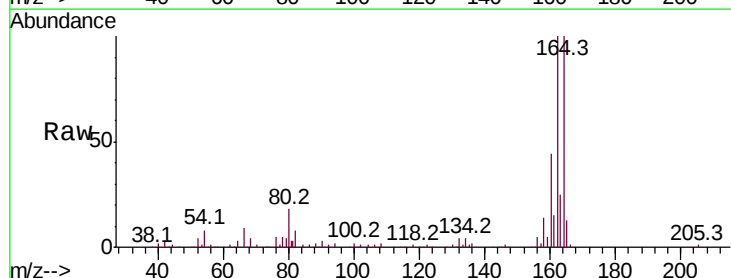


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

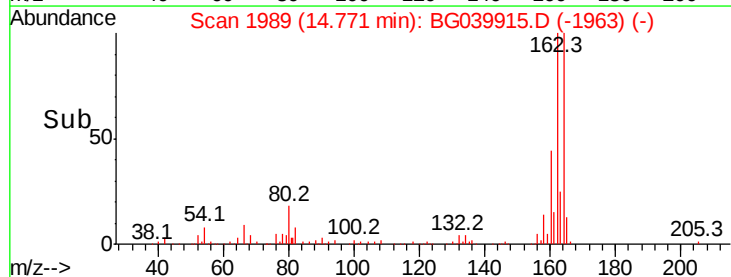
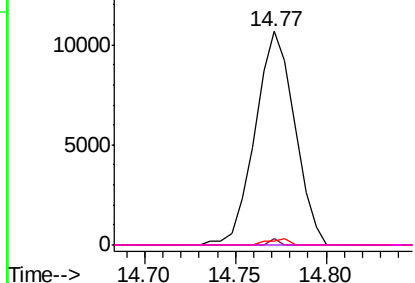


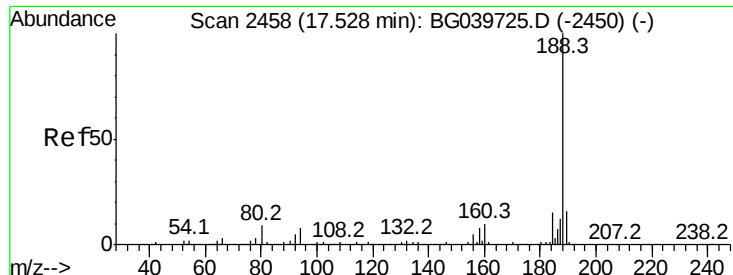
#57
 2,4-Dinitrotoluene
 Concen: 5.364 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039915.D
 Acq: 13 Mar 2019 23:22

Tgt Ion:165 Resp: 16208
 Ion Ratio Lower Upper
 165 100
 63 3.2 41.0 61.6#
 89 2.1 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: 17.51 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039915.D

Acq: 13 Mar 2019 23:22

Instrument :

BNA_G

ClientSampled :

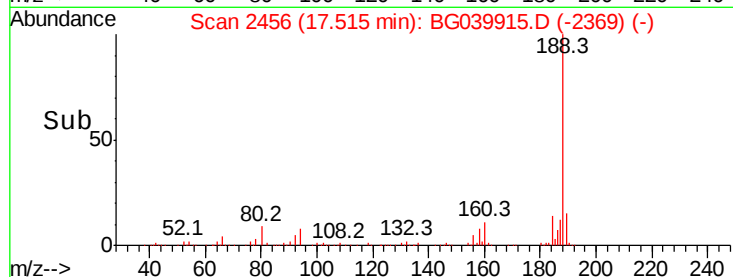
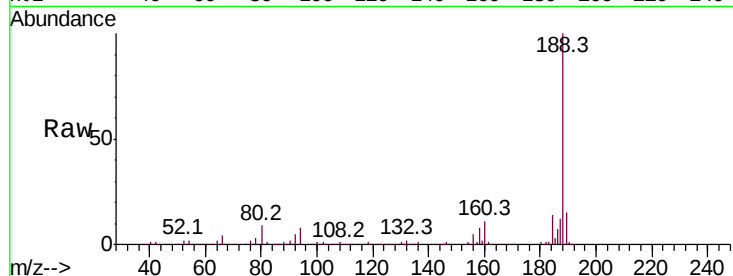
Tot Ion:188 Resp: 284025

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

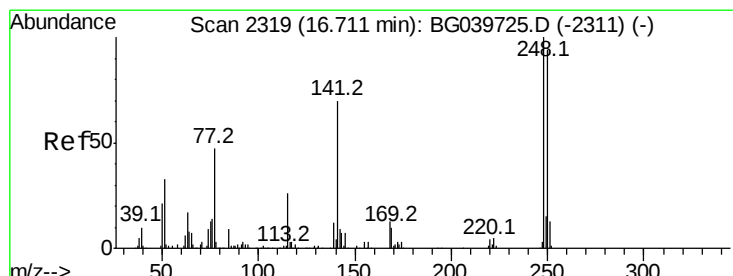
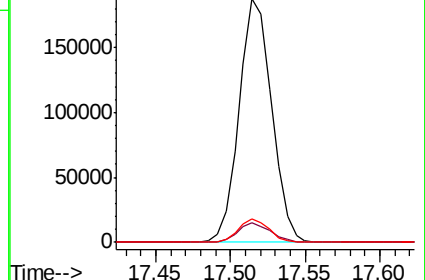
80 9.4 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.122 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG039915.D

Acq: 13 Mar 2019 23:22

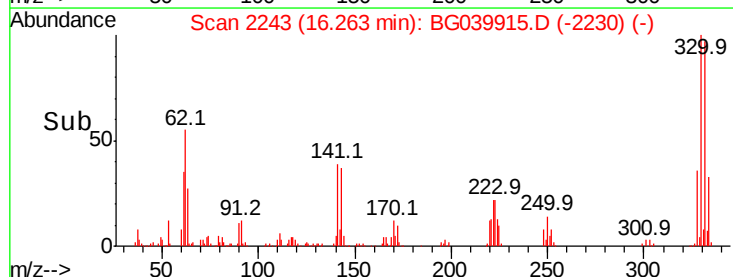
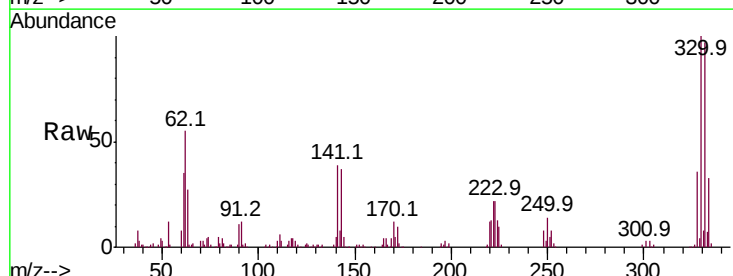
Tgt Ion:248 Resp: 16283

Ion Ratio Lower Upper

248 100

250 171.7 77.6 116.4#

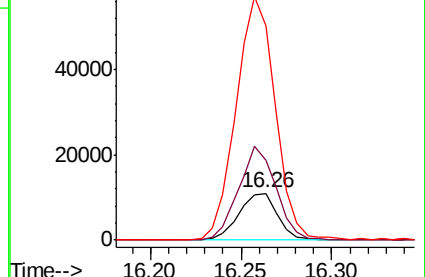
141 460.0 63.9 95.9#

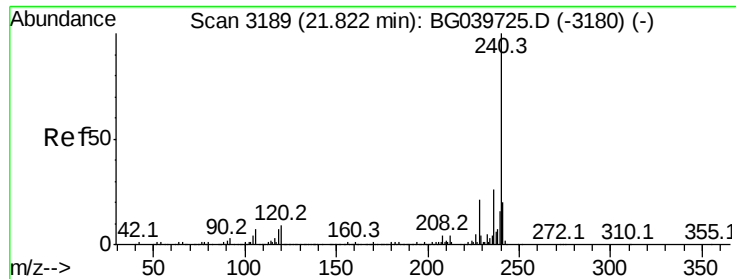


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

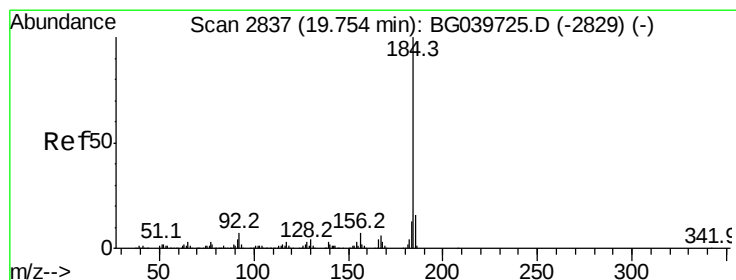
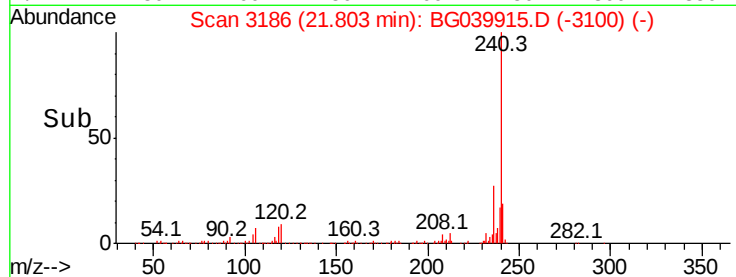
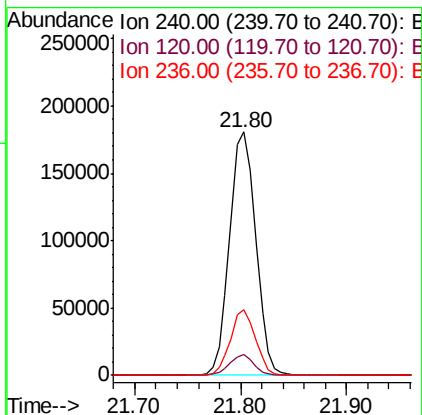
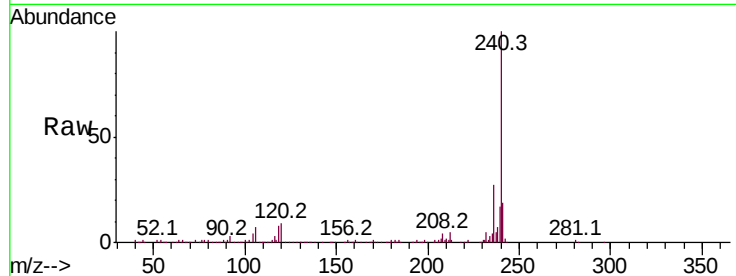




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3186
 Delta R.T. -0.03 min
 Lab File: BG039915.D
 Acq: 13 Mar 2019 23:22

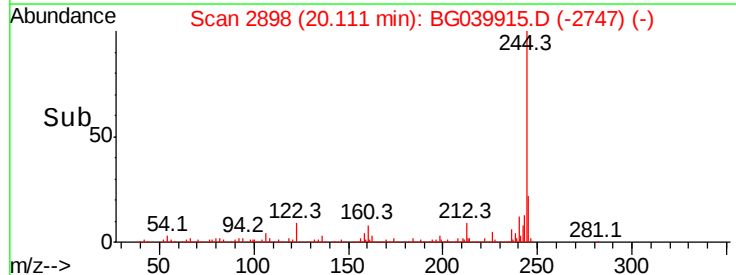
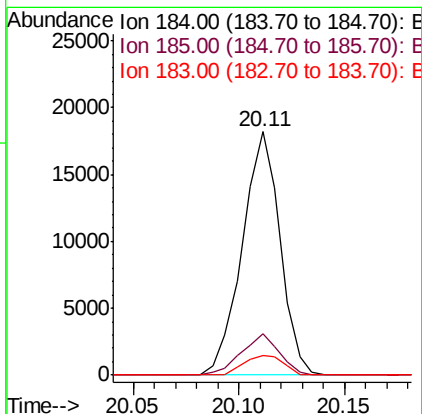
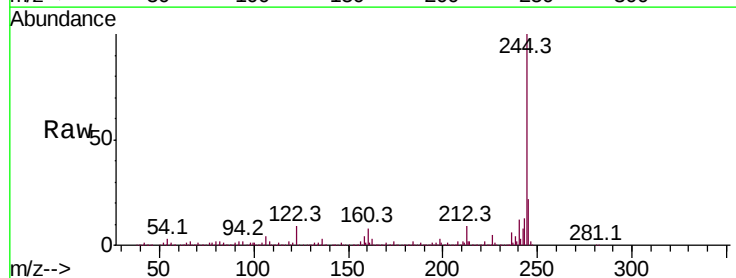
Instrument :
 BNA_G
 ClientSampled :

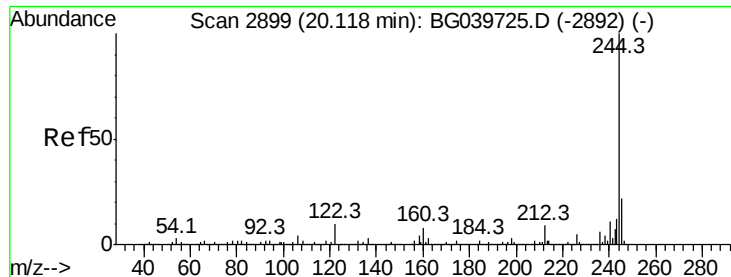
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.0	10.6
236	26.8	21.0	31.4



#77
 Benzidine
 Concen: 2.298 ng
 RT: 20.11 min Scan# 2898
 Delta R.T. 0.36 min
 Lab File: BG039915.D
 Acq: 13 Mar 2019 23:22

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.9	12.2	18.2
183	8.2	10.6	15.8#





#79

Terphenyl-d14

Concen: 89.711 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039915.D

Acq: 13 Mar 2019 23:22

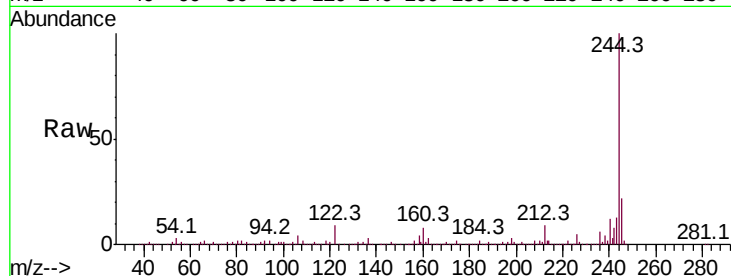
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1260105

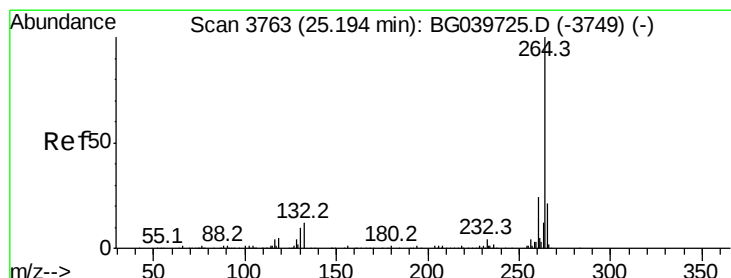
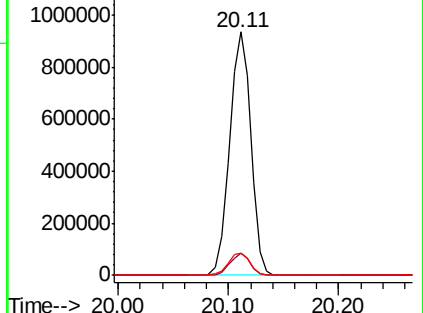
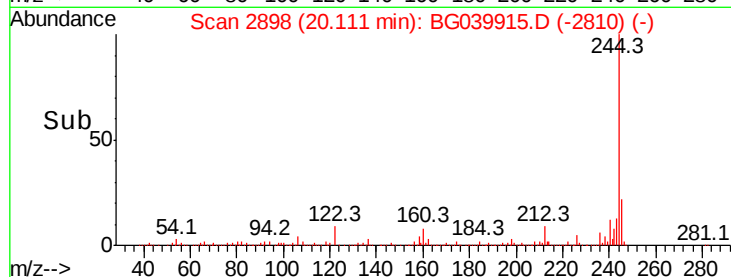
Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.3	10.9
122	9.2	8.4	12.6



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

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3758

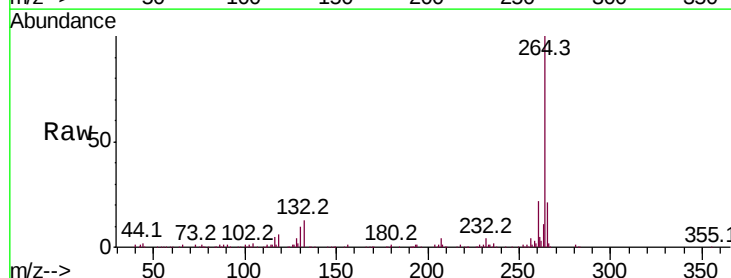
Delta R.T. -0.04 min

Lab File: BG039915.D

Acq: 13 Mar 2019 23:22

Tgt Ion:264 Resp: 307903

Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.4
265	21.1	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

