

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039916.D
 Acq On : 14 Mar 2019 00:02
 Operator : JU/SJ
 Sample : K1870-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:21:06 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

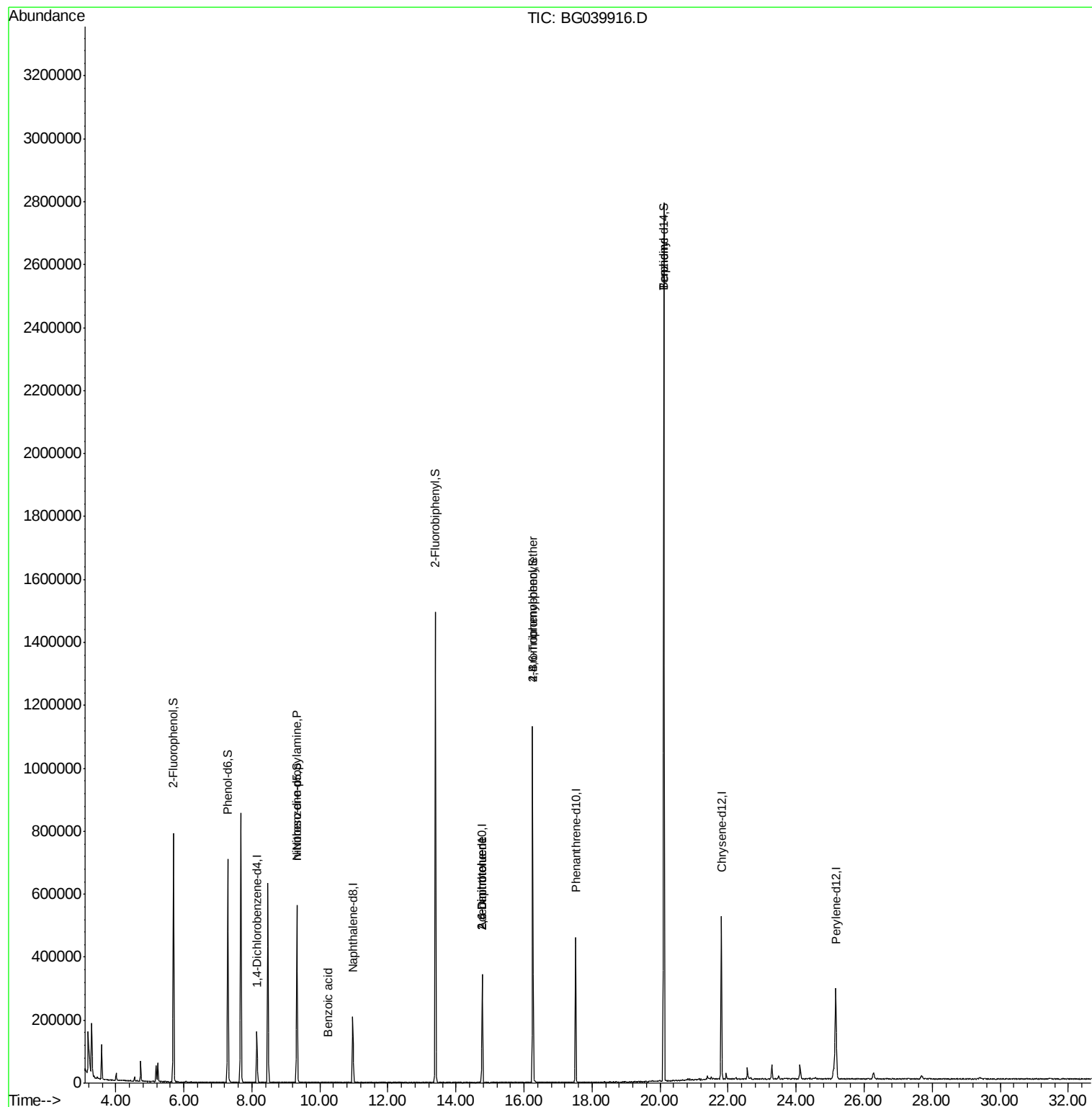
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43821	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	179283	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	118283	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	287607	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	318322	20.00	ng	-0.03
87) Perylene-d12	25.16	264	315357	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	317277	123.52	ng	-0.02
7) Phenol-d6	7.29	99	396580	103.55	ng	-0.02
23) Nitrobenzene-d5	9.32	82	323485	97.59	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	191831	139.14	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	766135	92.22	ng	-0.02
79) Terphenyl-d14	20.11	244	1286252	88.97	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	41681	15.120	ng	# 68
32) Benzoic acid	10.24	122	336	6.760	ng	# 86
51) 2,6-Dinitrotoluene	14.78	165	15653	7.465	ng	# 26
57) 2,4-Dinitrotoluene	14.78	165	15653	5.313	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	15010	4.663	ng	# 1
77) Benzidine	20.11	184	22811	2.258	ng	# 87

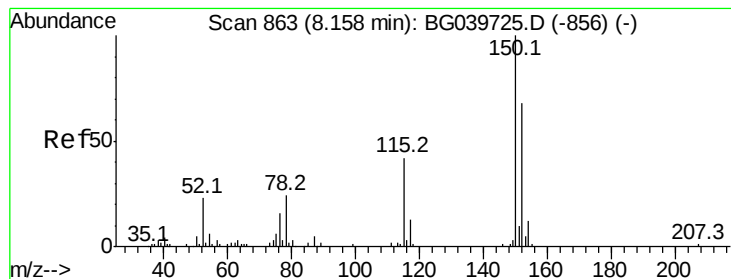
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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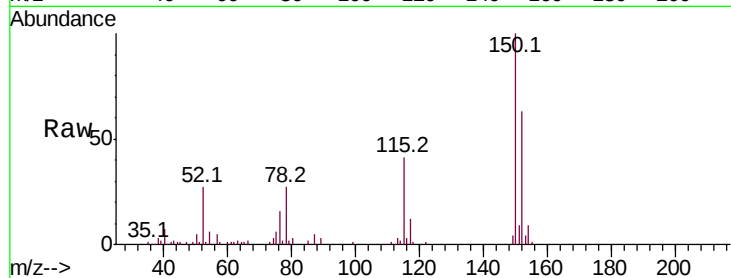


#1

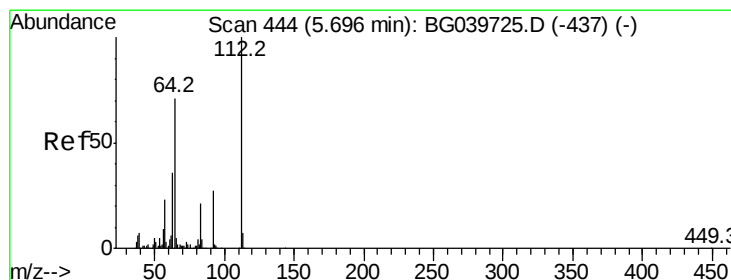
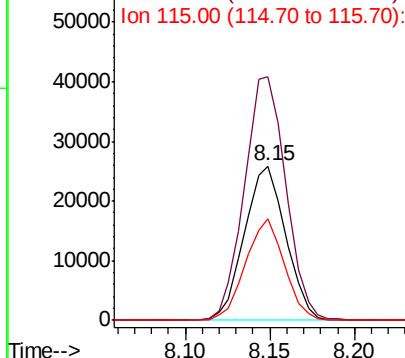
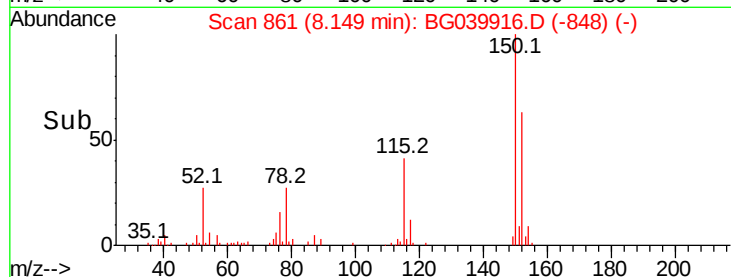
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039916.D
Acq: 14 Mar 2019 00:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 43821
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 65.3 45.9 68.9



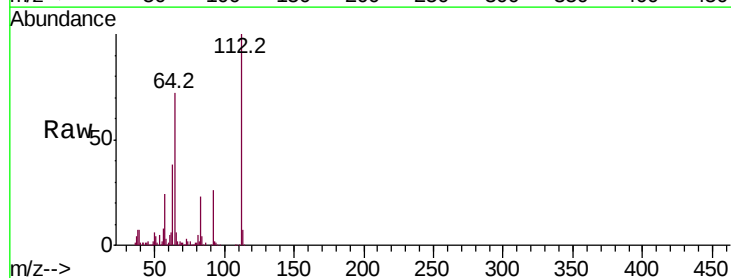
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



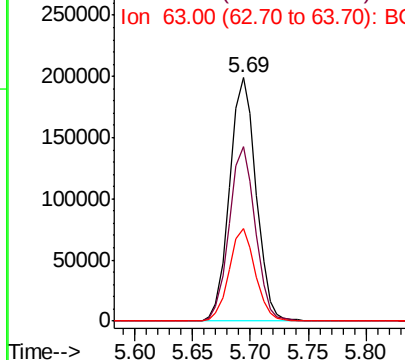
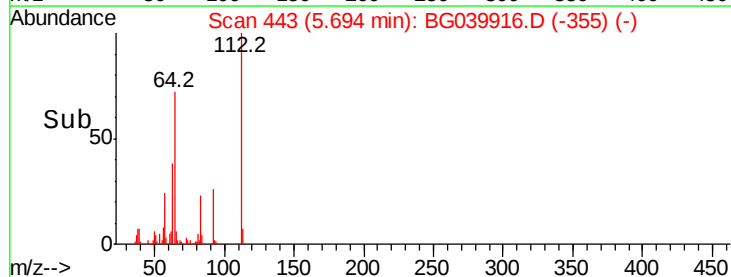
#5

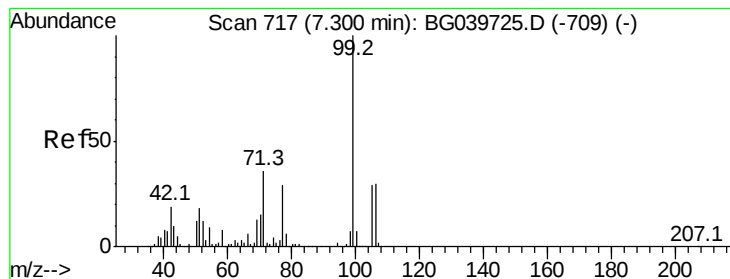
2-Fluorophenol
Concen: 123.520 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039916.D
Acq: 14 Mar 2019 00:02

Tgt Ion:112 Resp: 317277
Ion Ratio Lower Upper
112 100
64 71.7 57.8 86.8
63 37.9 29.8 44.6



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: 103.546 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA_G

ClientSampleId :

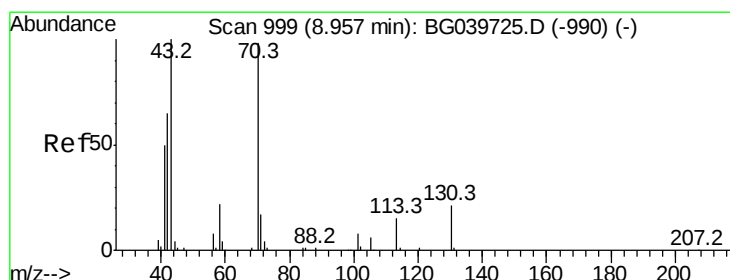
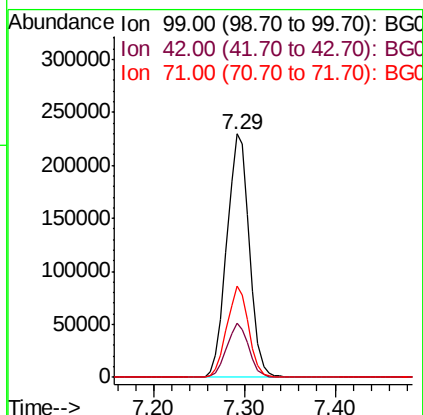
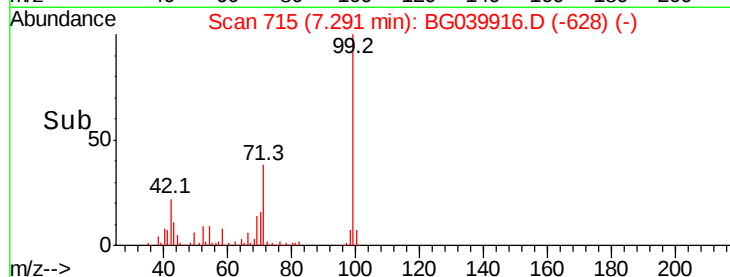
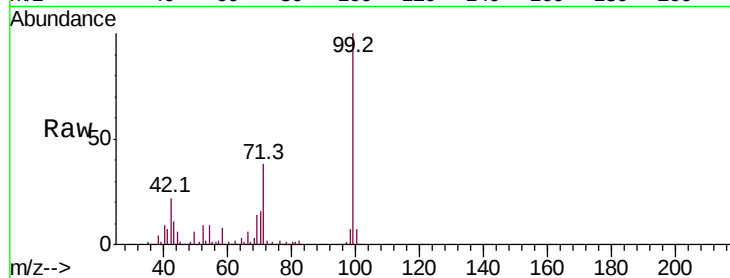
Tot Ion: 99 Resp: 396580

Ion Ratio Lower Upper

99 100

42 22.2 18.2 27.2

71 37.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.120 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Tgt Ion: 70 Resp: 41681

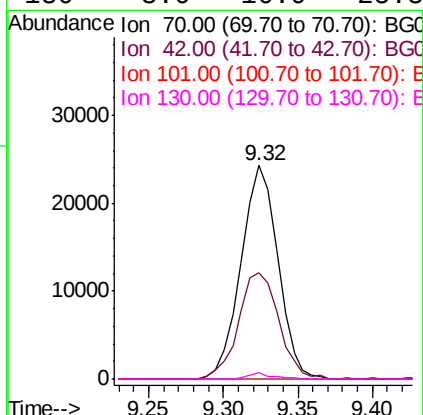
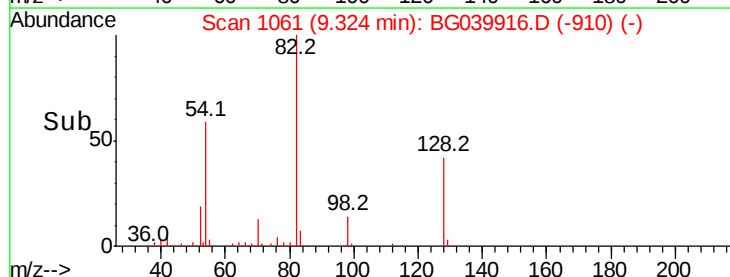
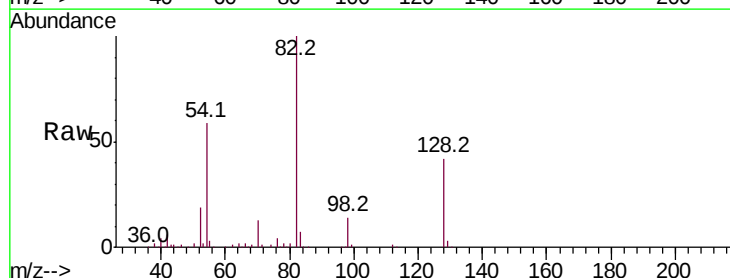
Ion Ratio Lower Upper

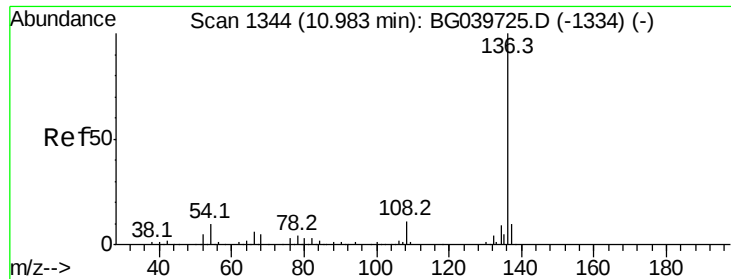
70 100

42 49.5 60.4 90.6#

101 0.0 7.5 11.3#

130 3.0 16.9 25.3#

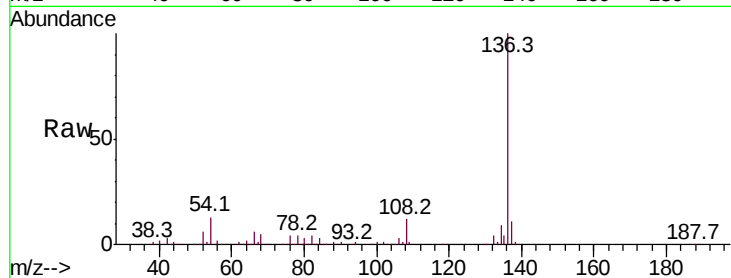




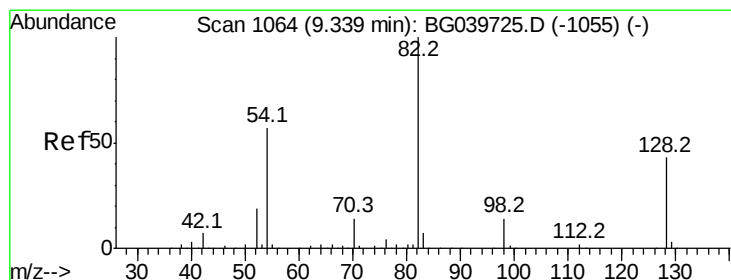
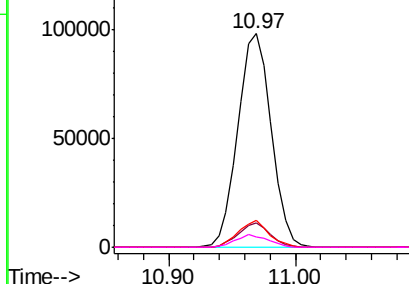
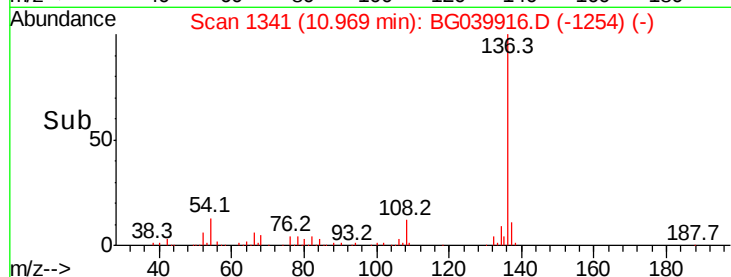
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039916.D
Acq: 14 Mar 2019 00:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	179283
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.1 13.7
54	12.7	9.4 14.2
68	5.0	4.2 6.4

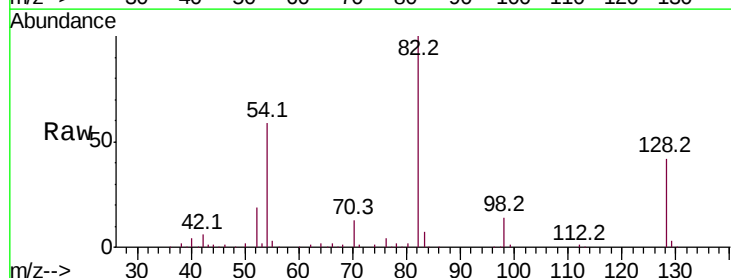


Abundance Ion 136.00 (135.70 to 136.70): BGC
150000 Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

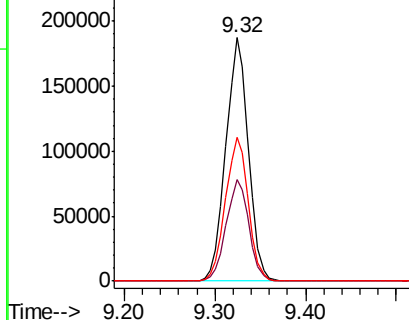
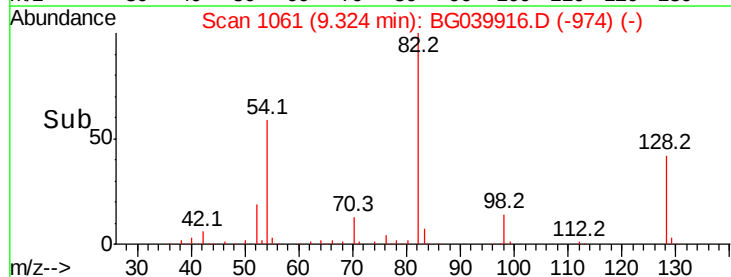


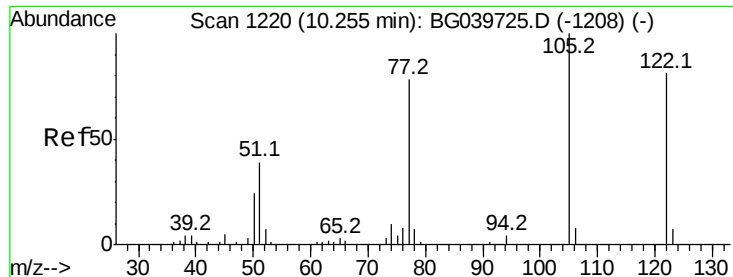
#23
Nitrobenzene-d5
Concen: 97.585 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039916.D
Acq: 14 Mar 2019 00:02

Tgt Ion: 82	Resp:	323485
Ion	Ratio	Lower Upper
82	100	
128	41.6	31.3 46.9
54	58.9	50.9 76.3



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





#32

Benzoic acid

Concen: 6.760 ng

RT: 10.24 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA_G

ClientSampleId :

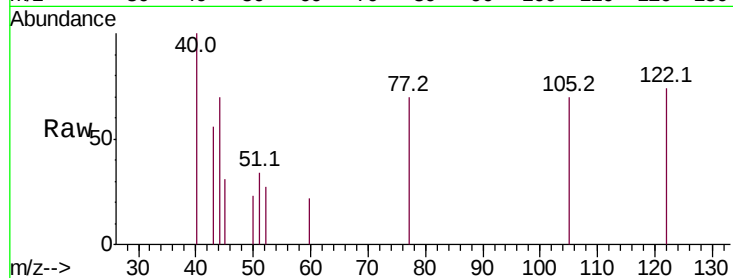
Tot Ion:122 Resp: 336

Ion Ratio Lower Upper

122 100

105 95.3 101.8 141.8#

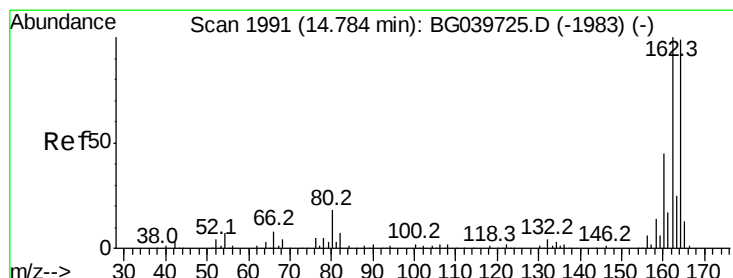
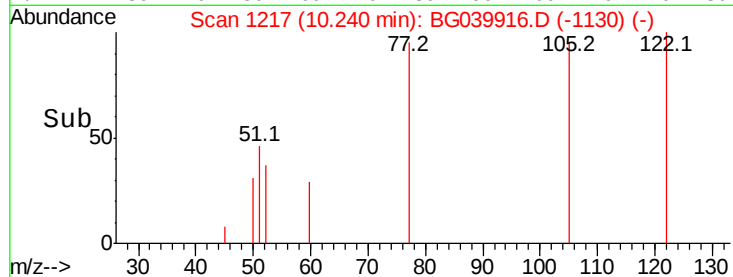
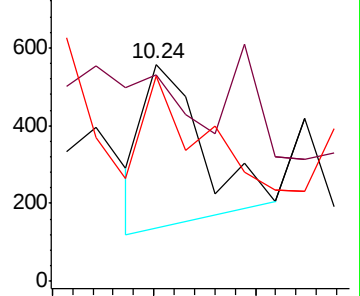
77 94.8 76.3 116.3



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

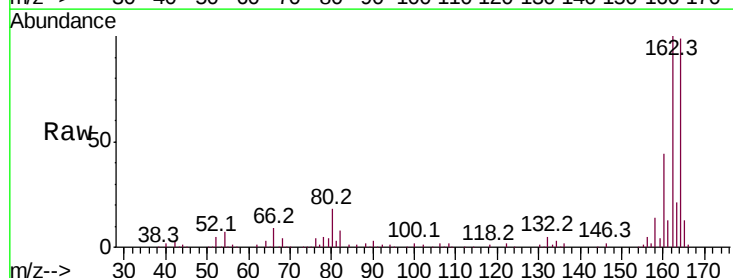
Tgt Ion:164 Resp: 118283

Ion Ratio Lower Upper

164 100

162 101.1 81.6 122.4

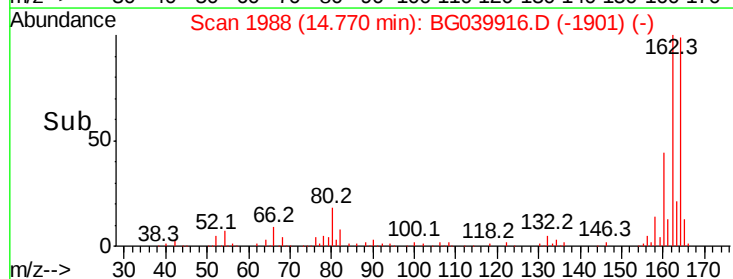
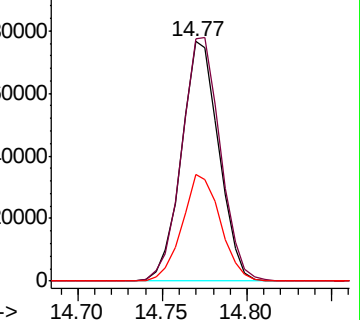
160 44.4 34.2 51.2

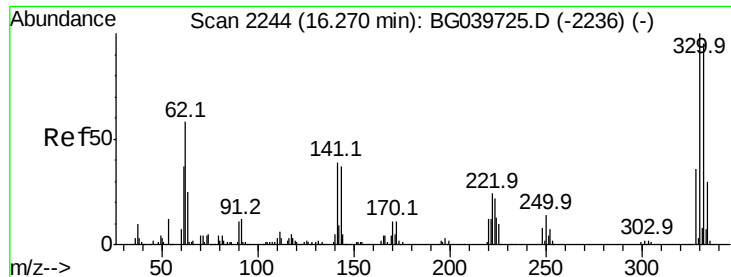


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

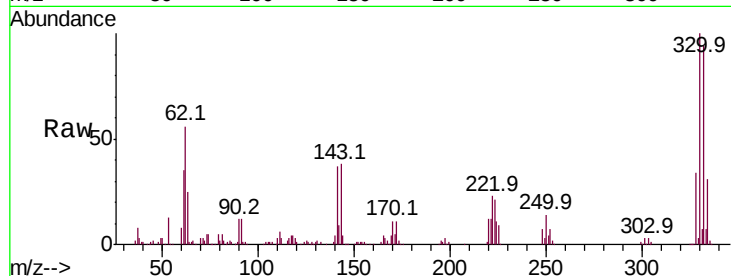




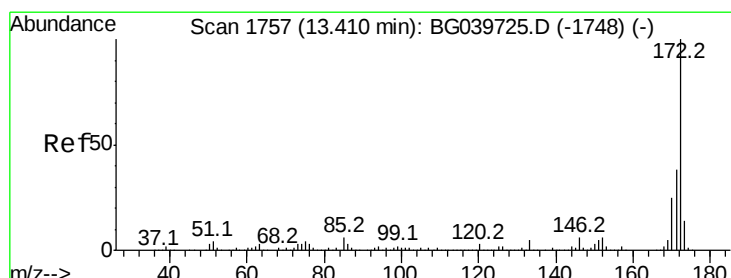
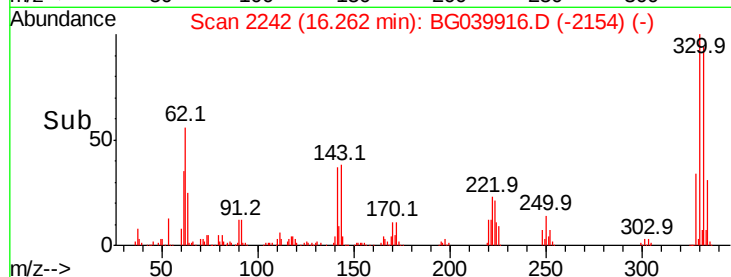
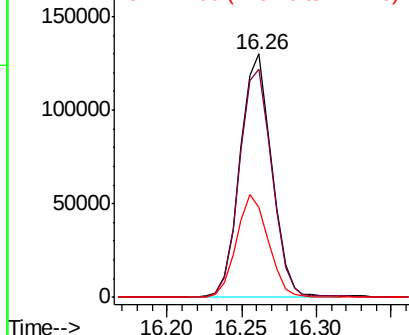
#42
 2,4,6-Tribromophenol
 Concen: 139.142 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039916.D
 Acq: 14 Mar 2019 00:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.7	113.5
141	42.6	35.6	53.4

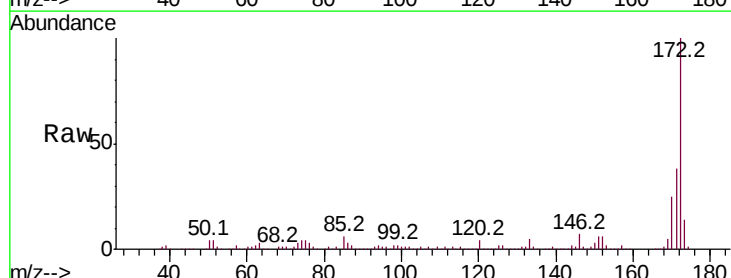


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

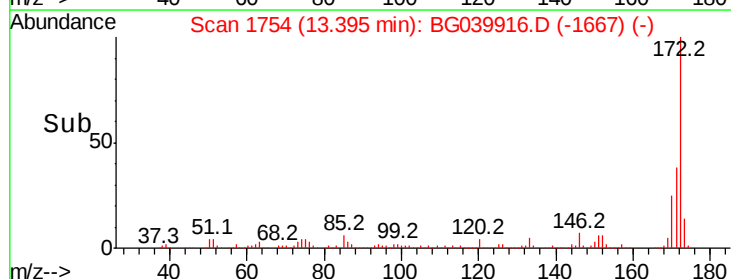
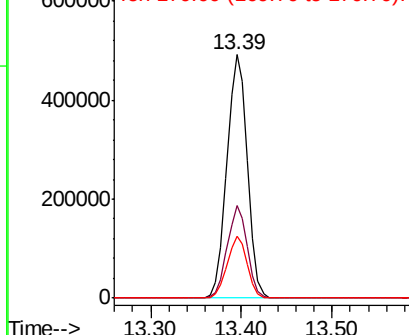


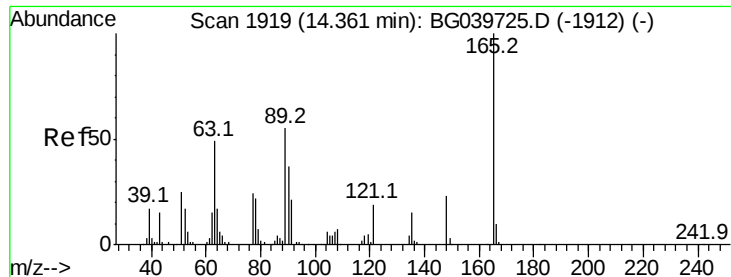
#45
 2-Fluorobiphenyl
 Concen: 92.223 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039916.D
 Acq: 14 Mar 2019 00:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.8	46.2
170	25.2	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

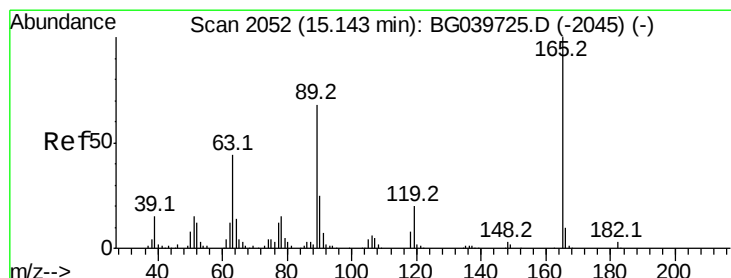
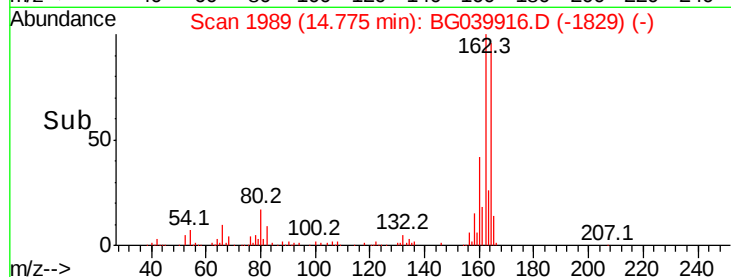
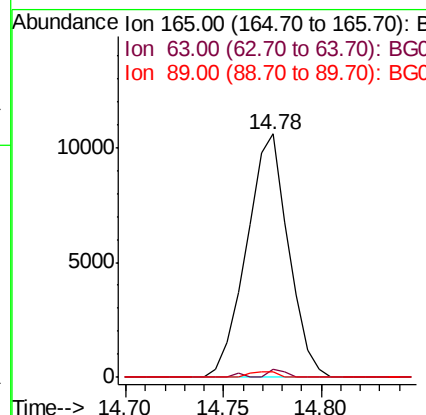
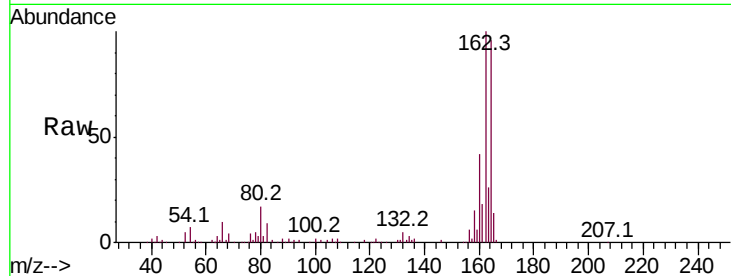




#51
2,6-Dinitrotoluene
Concen: 7.465 ng
RT: 14.78 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG039916.D
Acq: 14 Mar 2019 00:02

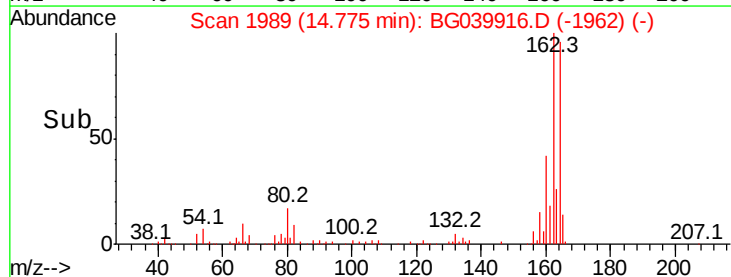
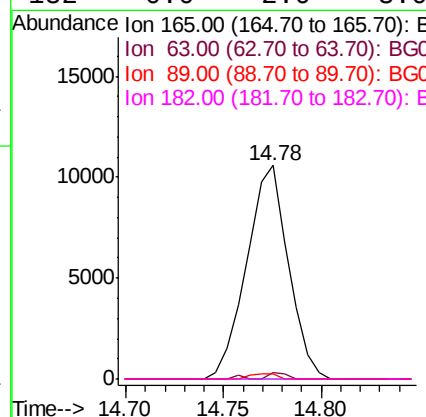
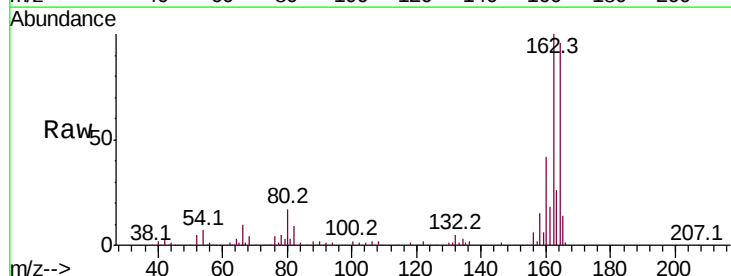
Instrument :
BNA_G
ClientSampled :

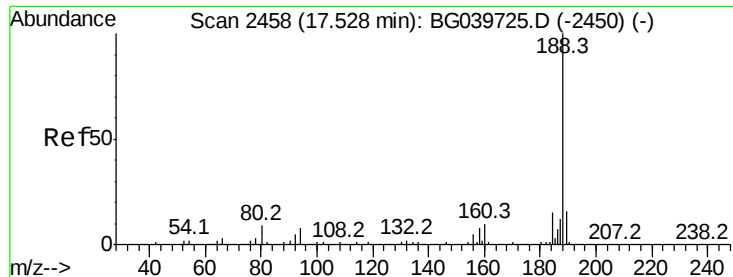
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.1	47.0	70.6#
89	2.2	45.8	68.8#



#57
2,4-Dinitrotoluene
Concen: 5.313 ng
RT: 14.78 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG039916.D
Acq: 14 Mar 2019 00:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.1	41.0	61.6#
89	2.2	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA_G

ClientSampleId :

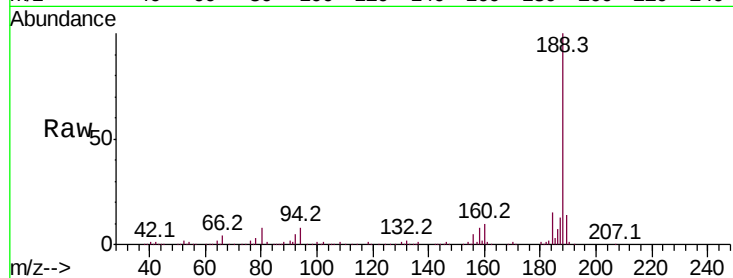
Tot Ion:188 Resp: 287607

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

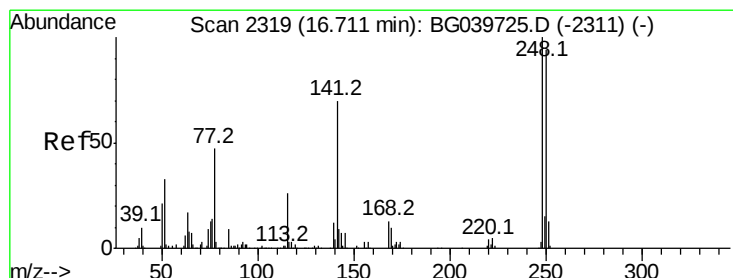
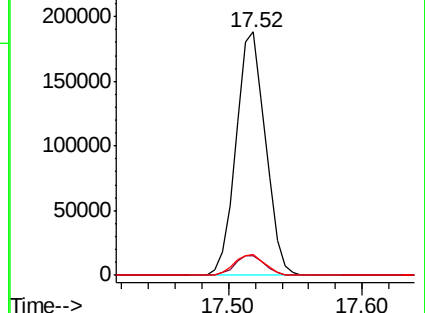
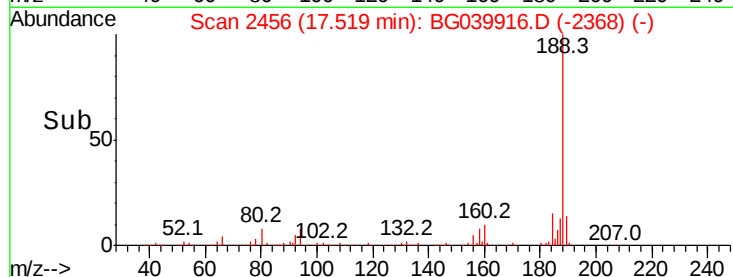
80 8.4 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 4.663 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

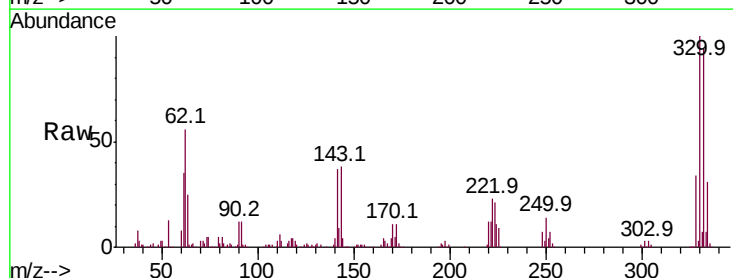
Tgt Ion:248 Resp: 15010

Ion Ratio Lower Upper

248 100

250 186.2 77.6 116.4#

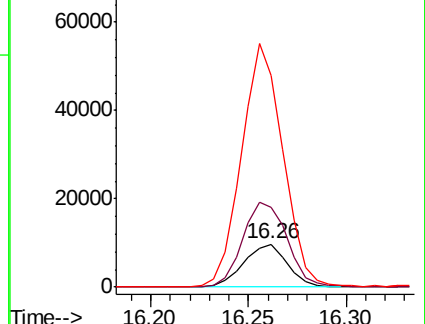
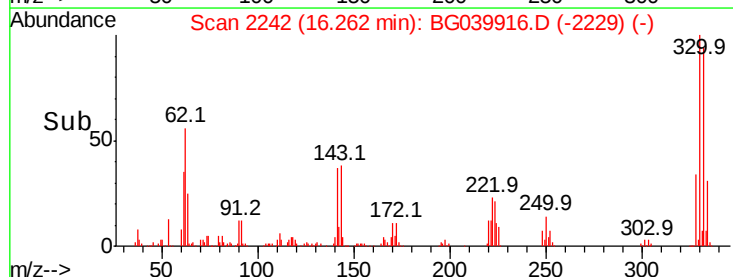
141 494.1 63.9 95.9#

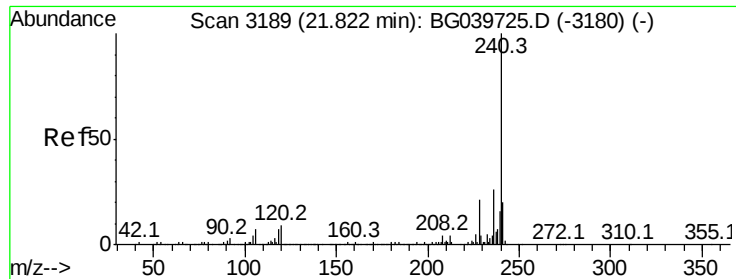


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA_G

ClientSampleId :

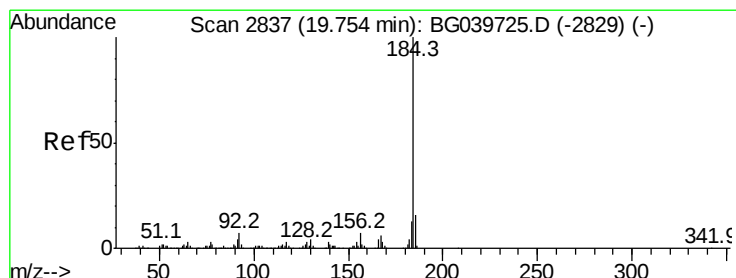
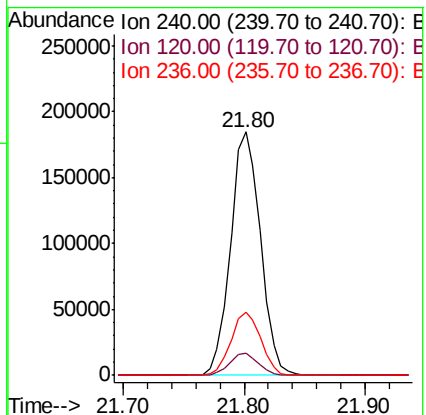
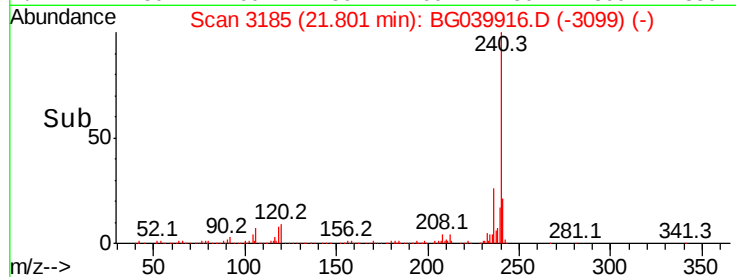
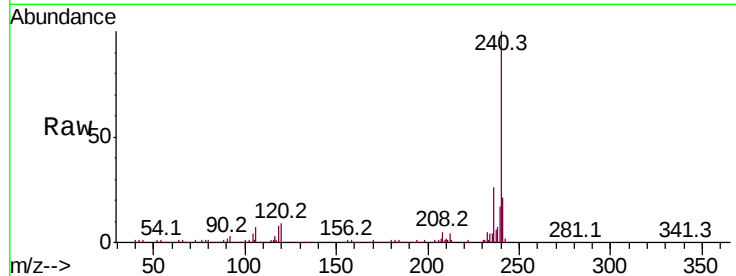
Tot Ion:240 Resp: 318322

Ion Ratio Lower Upper

240 100

120 9.0 7.0 10.6

236 26.1 21.0 31.4



#77

Benzidine

Concen: 2.258 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

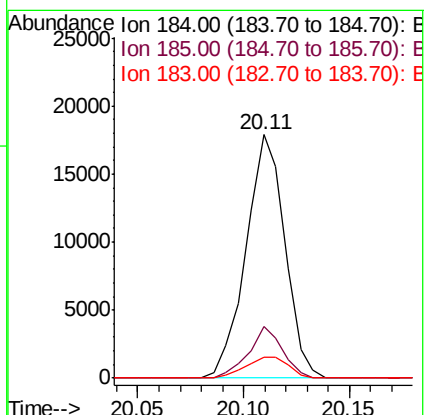
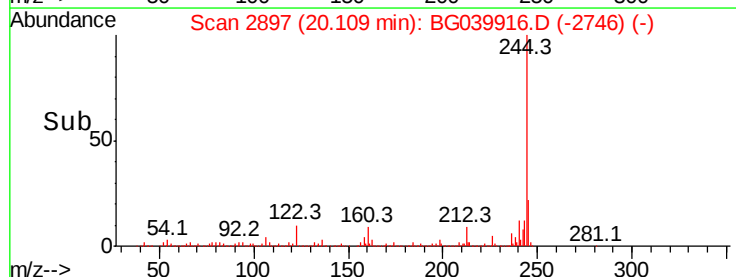
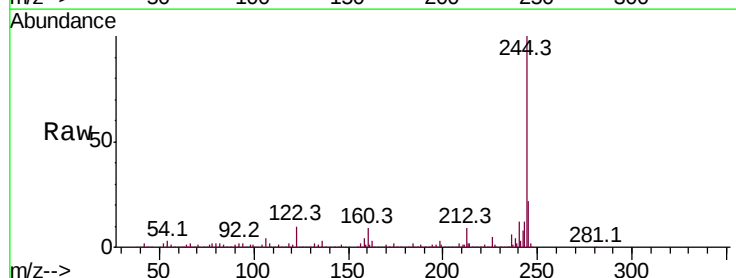
Tgt Ion:184 Resp: 22811

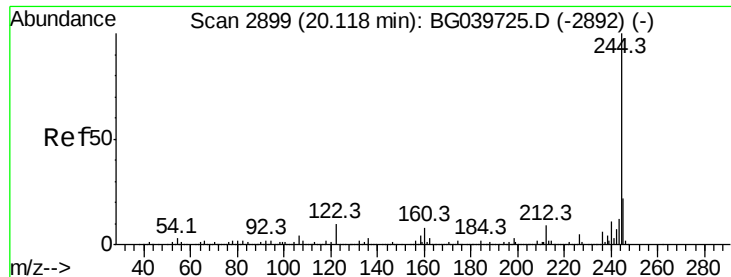
Ion Ratio Lower Upper

184 100

185 21.3 12.2 18.2#

183 8.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 88.969 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA_G

ClientSampleId :

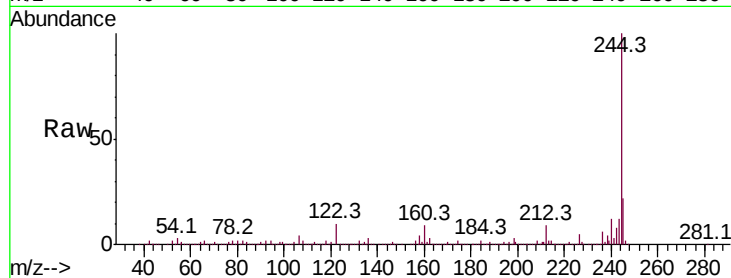
Tot Ion:244 Resp: 1286252

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

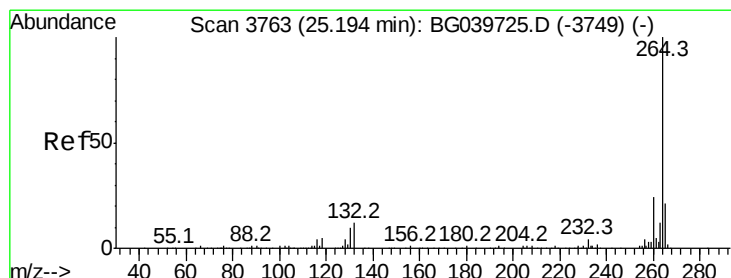
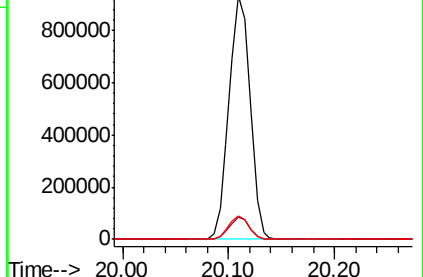
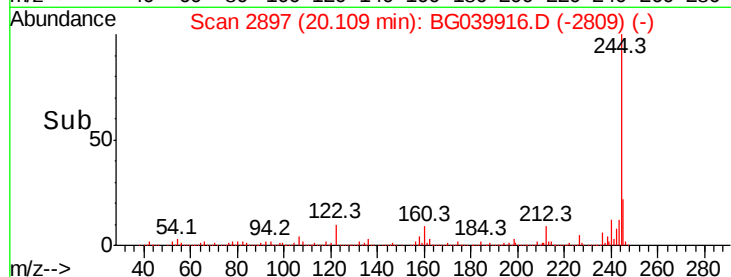
122 9.7 8.4 12.6



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

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

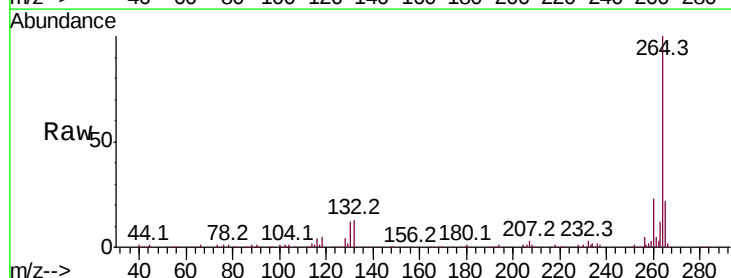
Tgt Ion:264 Resp: 315357

Ion Ratio Lower Upper

264 100

260 22.5 18.2 27.4

265 22.1 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

