

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039918.D
 Acq On : 14 Mar 2019 1:22
 Operator : JU/SJ
 Sample : K1870-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:21:27 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

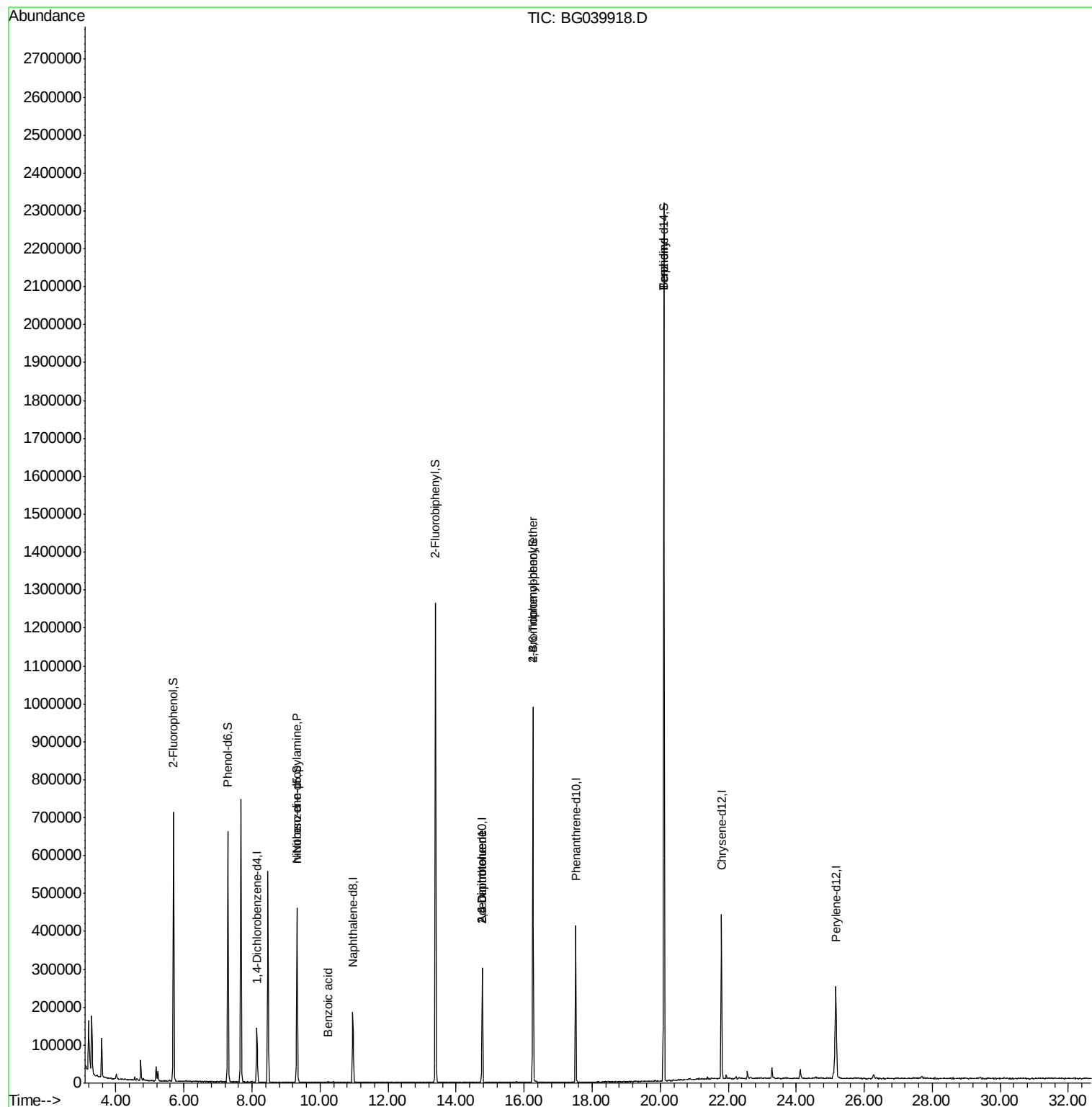
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	38696	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	155636	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	103149	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	248130	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	277556	20.00	ng	-0.02
87) Perylene-d12	25.16	264	273649	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	287223	126.63	ng	-0.02
7) Phenol-d6	7.29	99	377253	111.55	ng	-0.02
23) Nitrobenzene-d5	9.33	82	276450	96.07	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	164620	136.92	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	669266	92.38	ng	-0.02
79) Terphenyl-d14	20.11	244	1076675	85.41	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	35985	14.782	ng	# 66
32) Benzoic acid	10.25	122	467	6.857	ng	# 70
51) 2,6-Dinitrotoluene	14.77	165	13483	7.374	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	13483	5.248	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	13001	4.681	ng	# 1
77) Benzidine	20.11	184	19223	2.183	ng	# 94

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

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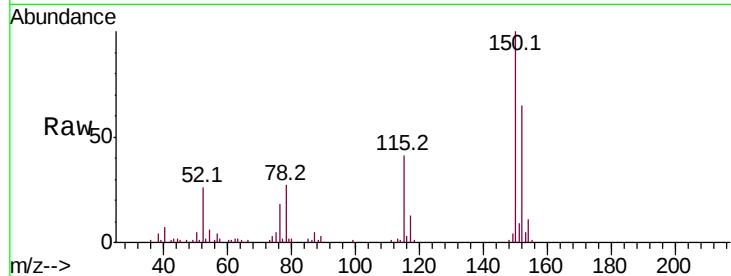


#1

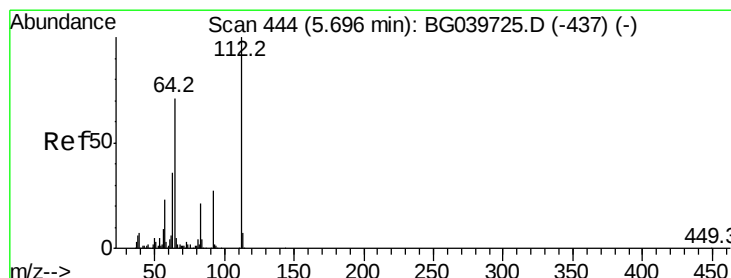
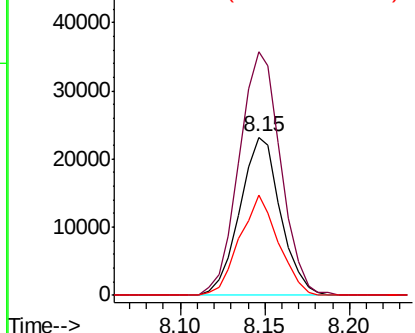
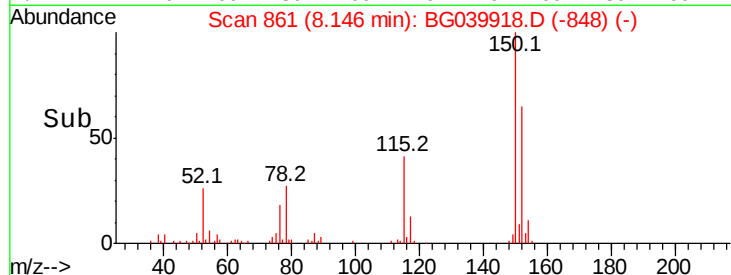
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039918.D
Acq: 14 Mar 2019 1:22

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 38696
Ion Ratio Lower Upper
152 100
150 153.8 123.7 185.5
115 63.3 45.9 68.9



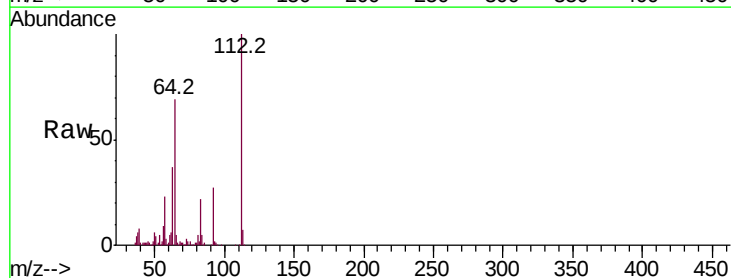
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



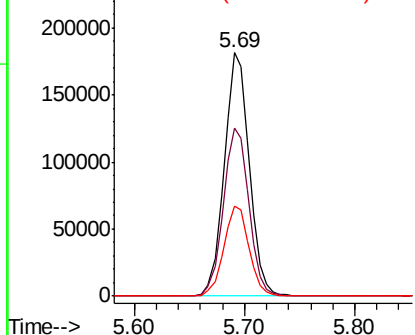
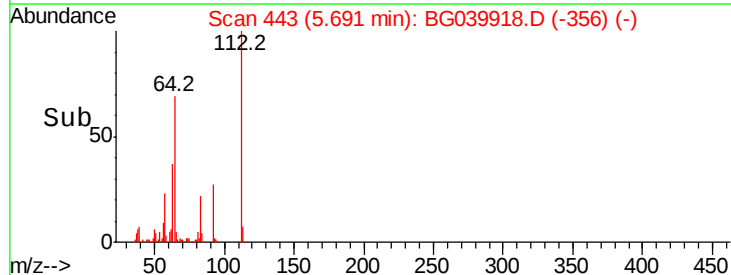
#5

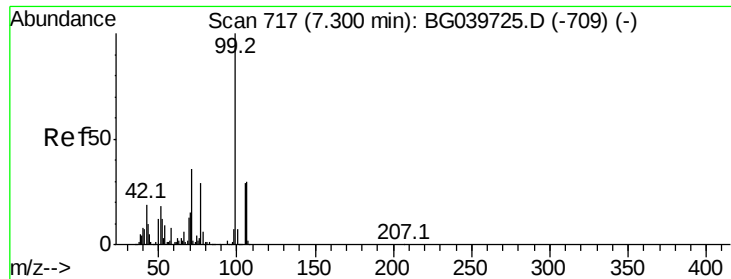
2-Fluorophenol
Concen: 126.629 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039918.D
Acq: 14 Mar 2019 1:22

Tgt Ion:112 Resp: 287223
Ion Ratio Lower Upper
112 100
64 69.2 57.8 86.8
63 36.8 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: 111.546 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039918.D

Acq: 14 Mar 2019 1:22

Instrument :

BNA_G

ClientSampled :

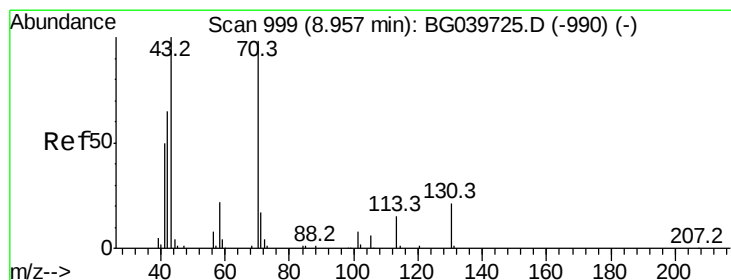
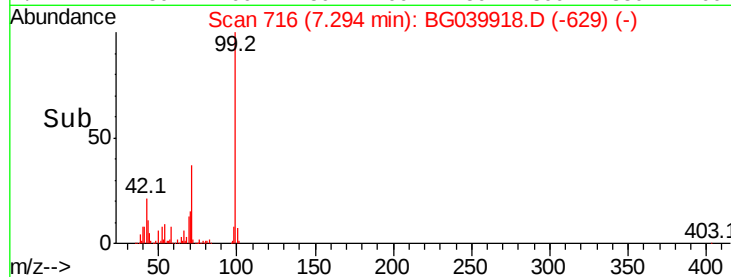
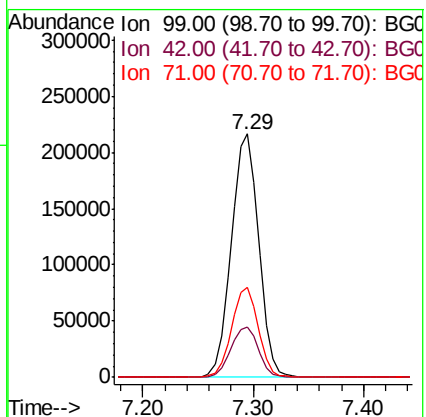
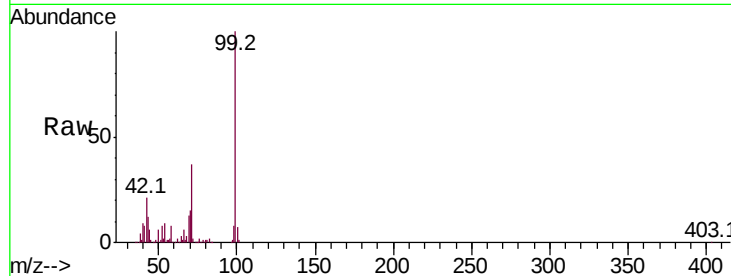
Tot Ion: 99 Resp: 377253

Ion Ratio Lower Upper

99 100

42 20.9 18.2 27.2

71 36.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.782 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039918.D

Acq: 14 Mar 2019 1:22

Tgt Ion: 70 Resp: 35985

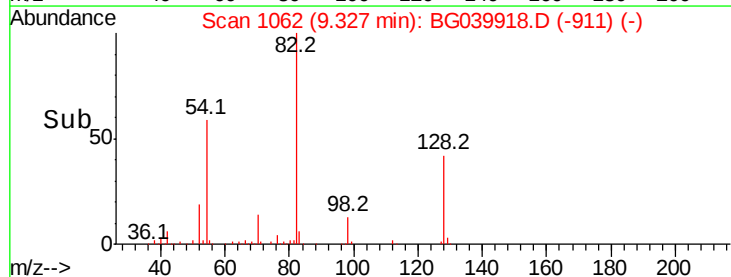
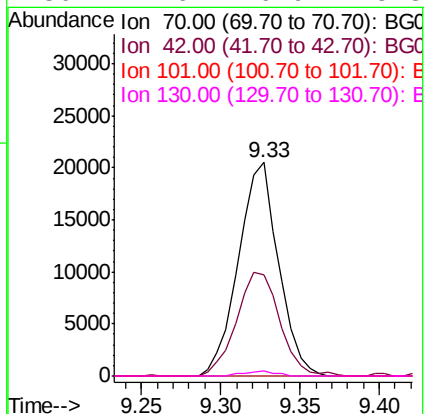
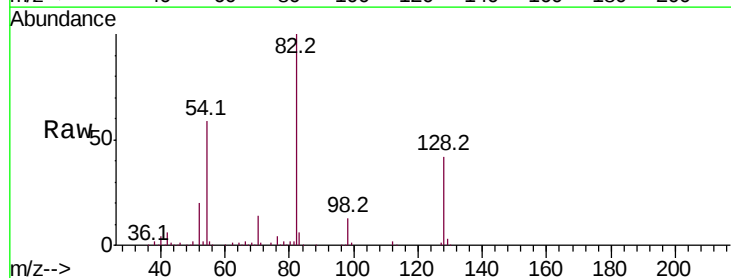
Ion Ratio Lower Upper

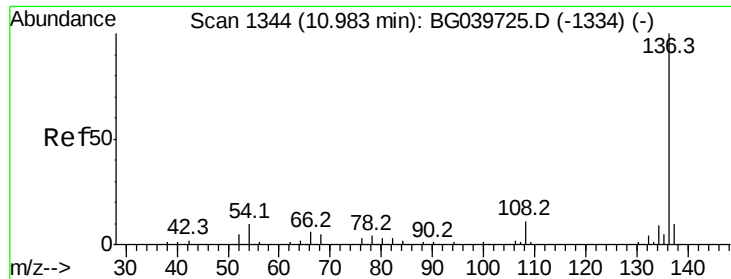
70 100

42 47.4 60.4 90.6#

101 0.0 7.5 11.3#

130 2.6 16.9 25.3#

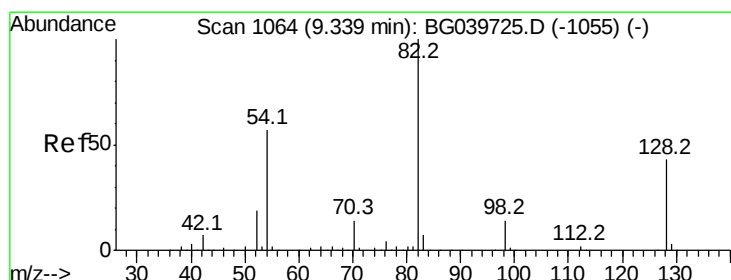
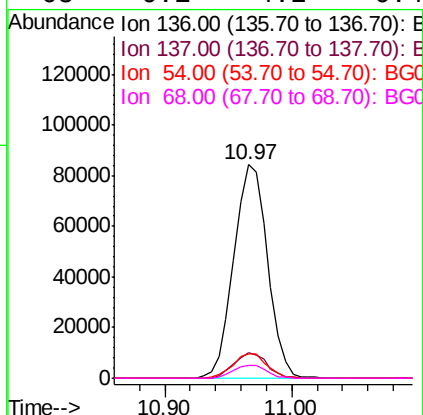
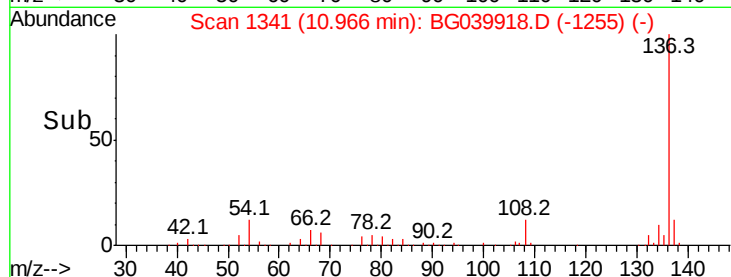
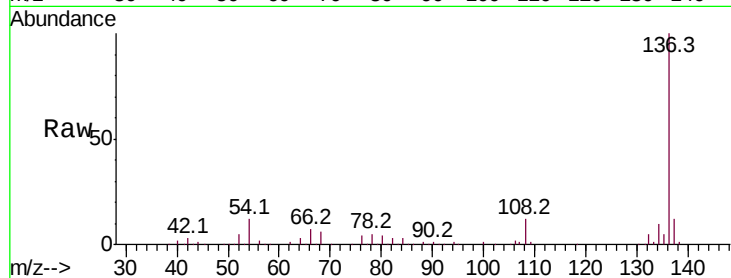




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039918.D
Acq: 14 Mar 2019 1:22

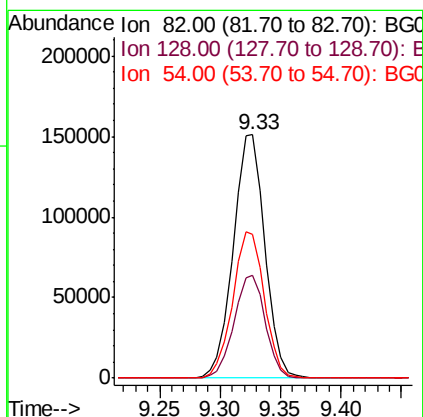
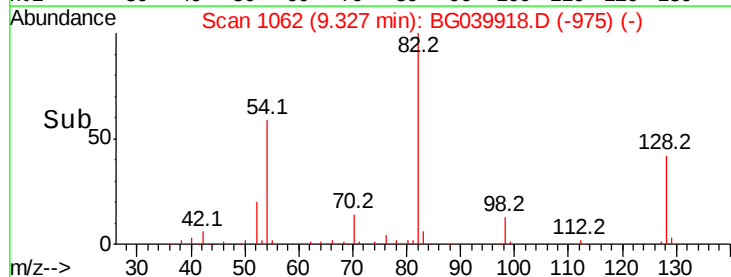
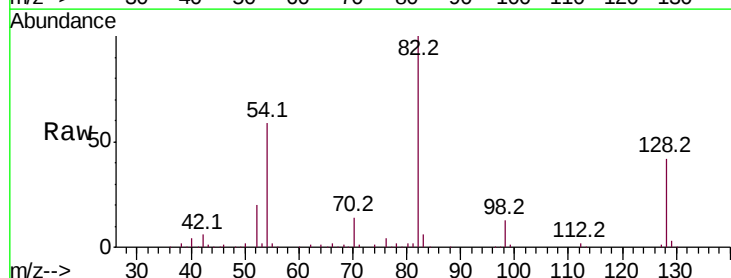
Instrument :
BNA_G
ClientSampleId :

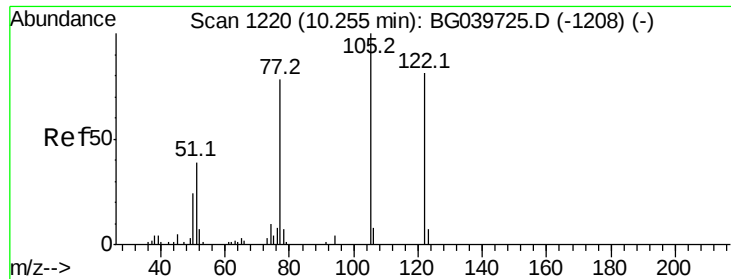
Tot Ion:	136	Resp:	155636
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	11.5	9.4	14.2
68	6.1	4.2	6.4



#23
Nitrobenzene-d5
Concen: 96.067 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039918.D
Acq: 14 Mar 2019 1:22

Tgt Ion:	82	Resp:	276450
Ion	Ratio	Lower	Upper
82	100		
128	42.2	31.3	46.9
54	59.0	50.9	76.3

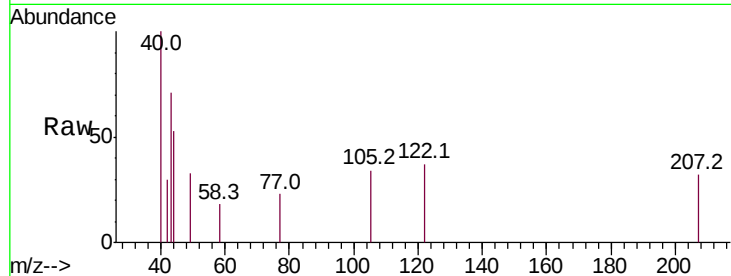




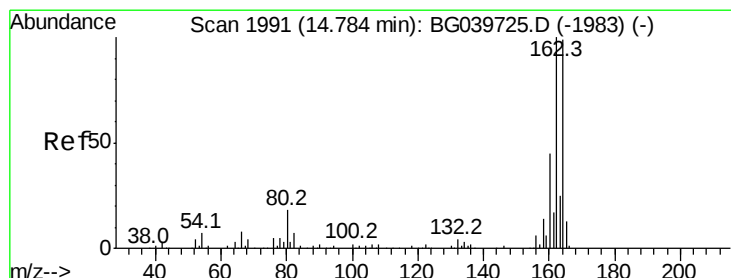
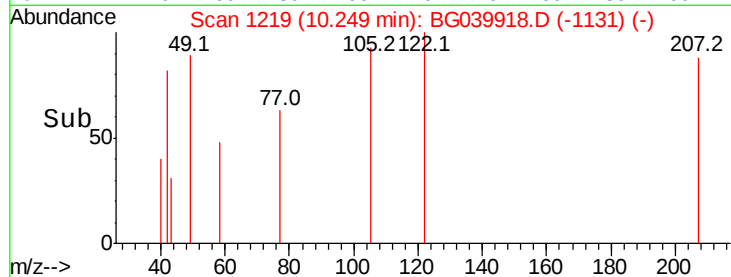
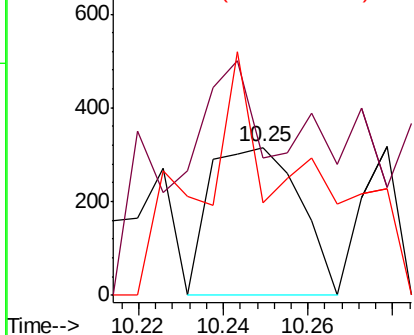
#32
Benzoic acid
Concen: 6.857 ng
RT: 10.25 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BG039918.D
Acq: 14 Mar 2019 1:22

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	92.7	101.8	141.8#
77	62.9	76.3	116.3#

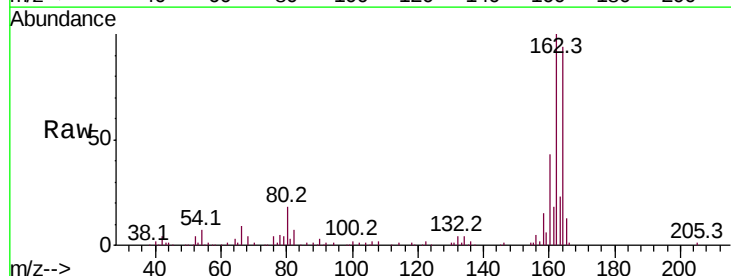


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

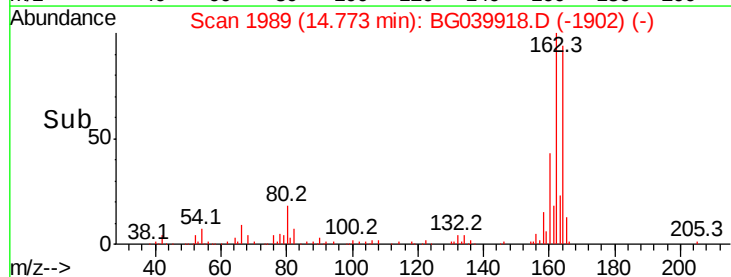
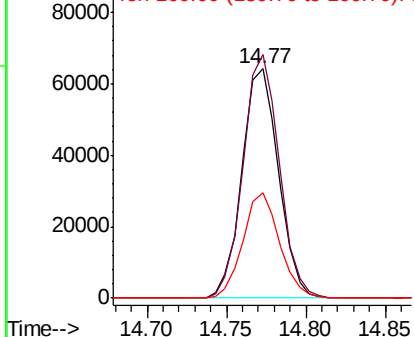


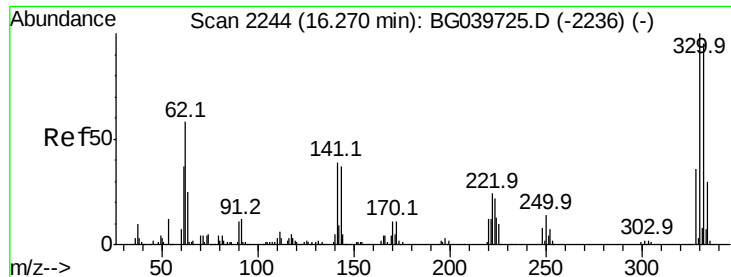
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG039918.D
Acq: 14 Mar 2019 1:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	81.6	122.4
160	46.1	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

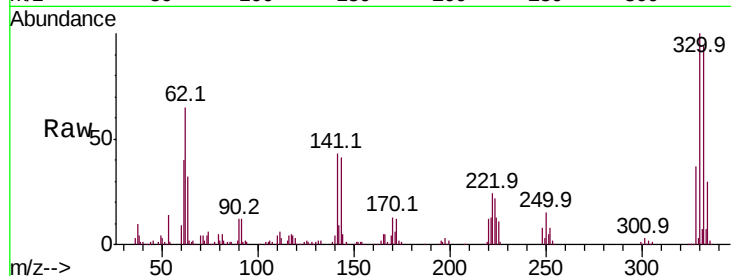




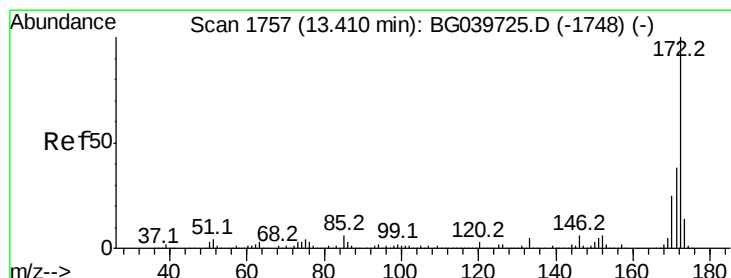
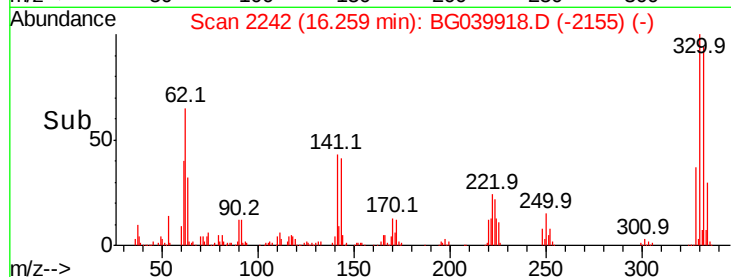
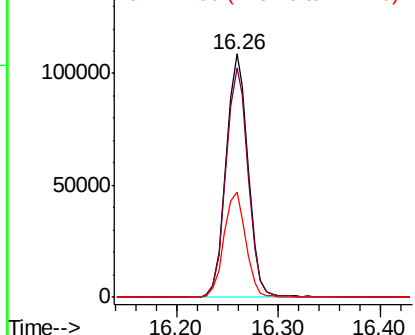
#42
 2,4,6-Tribromophenol
 Concen: 136.923 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039918.D
 Acq: 14 Mar 2019 1:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	75.7	113.5
141	42.7	35.6	53.4

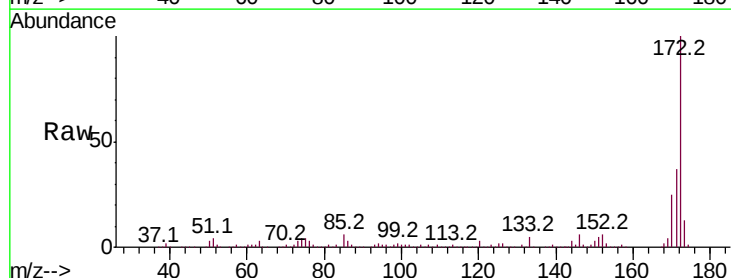


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

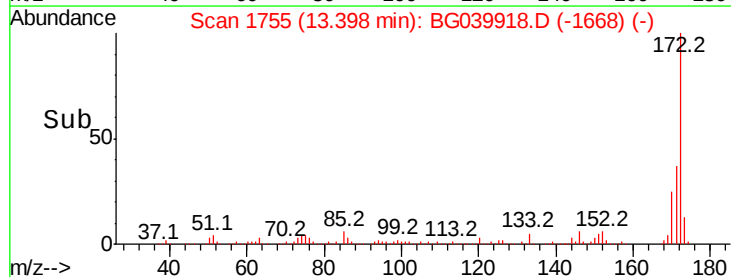
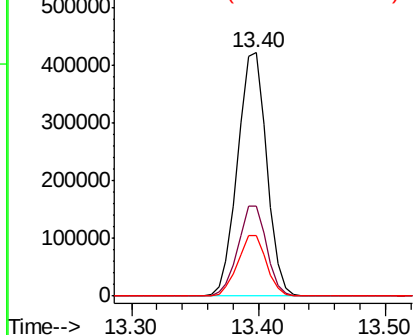


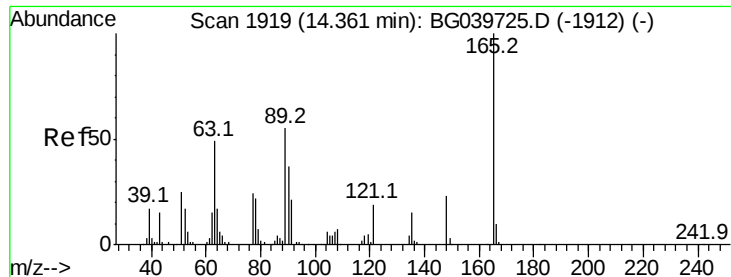
#45
 2-Fluorobiphenyl
 Concen: 92.383 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039918.D
 Acq: 14 Mar 2019 1:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	25.0	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: 7.374 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.40 min

Lab File: BG039918.D

Acq: 14 Mar 2019 1:22

Instrument :

BNA_G

ClientSampleId :

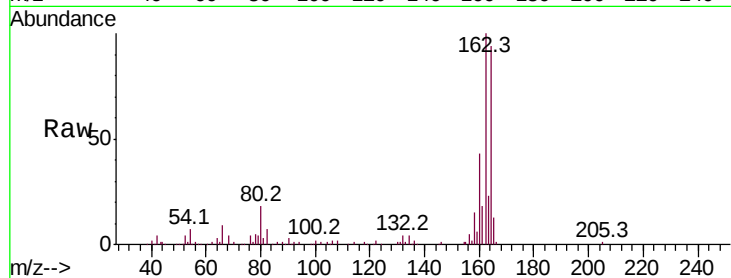
Tot Ion:165 Resp: 13483

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

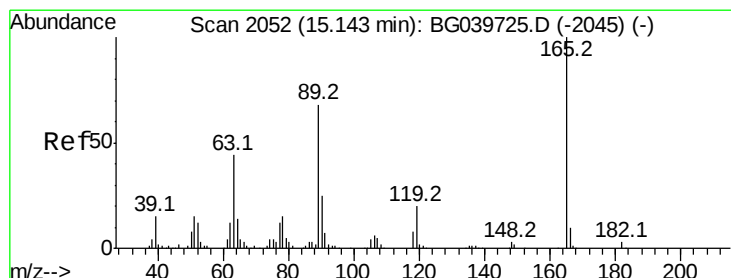
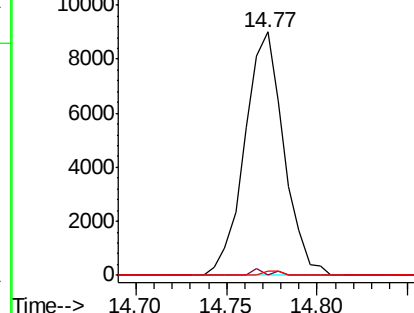
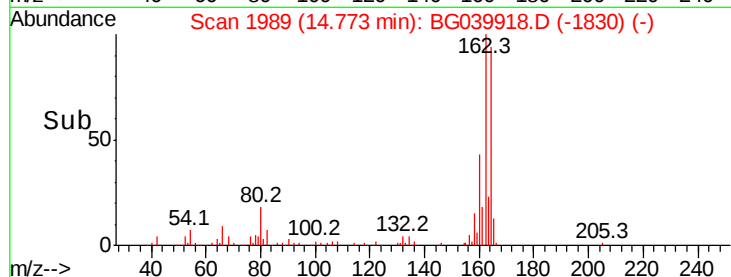
89 1.9 45.8 68.8#



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: 5.248 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.38 min

Lab File: BG039918.D

Acq: 14 Mar 2019 1:22

Tgt Ion:165 Resp: 13483

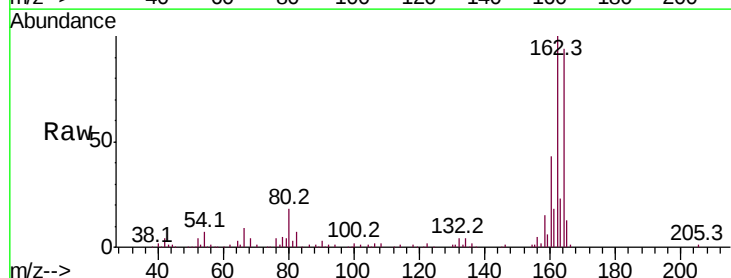
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.9 64.6 96.8#

182 0.0 2.0 3.0#

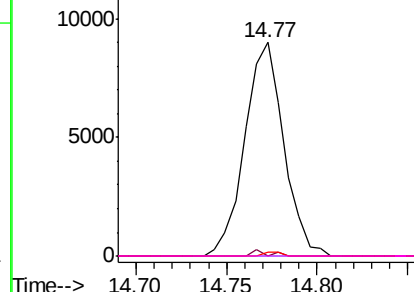
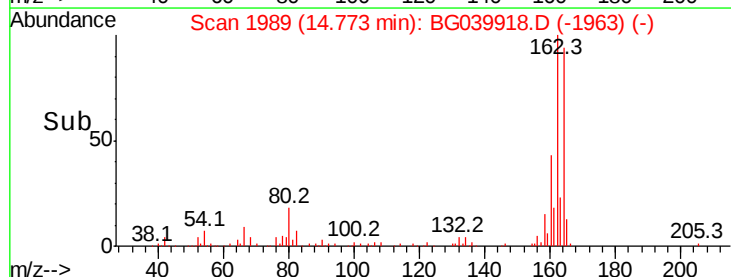


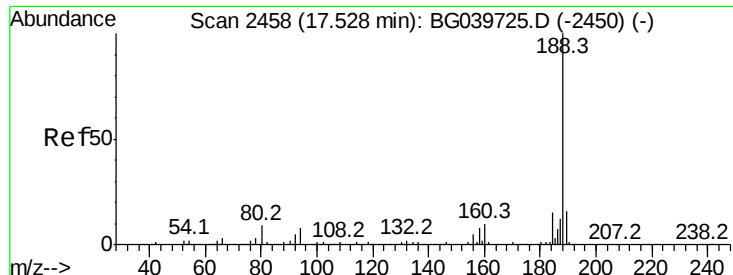
Abundance Ion 165.00 (164.70 to 165.70): E

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

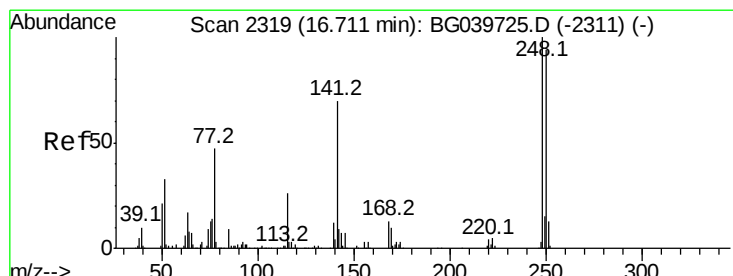
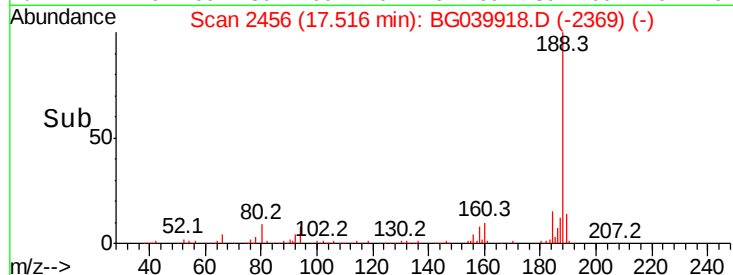
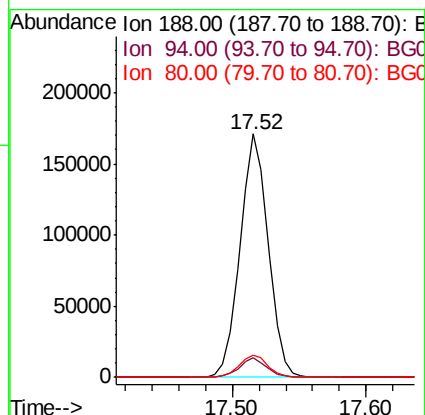
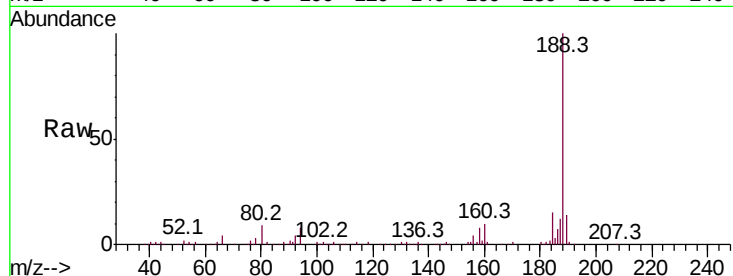




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039918.D
 Acq: 14 Mar 2019 1:22

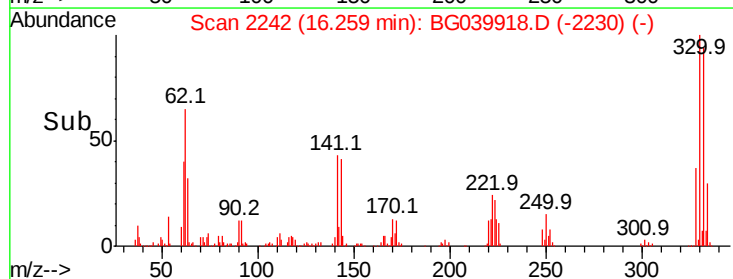
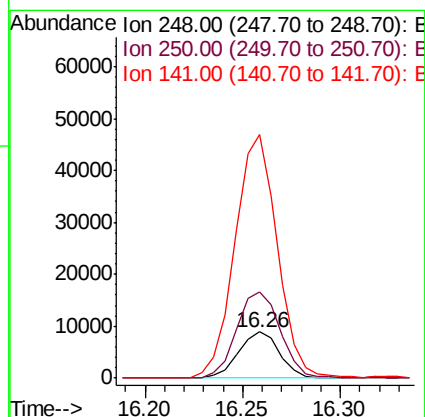
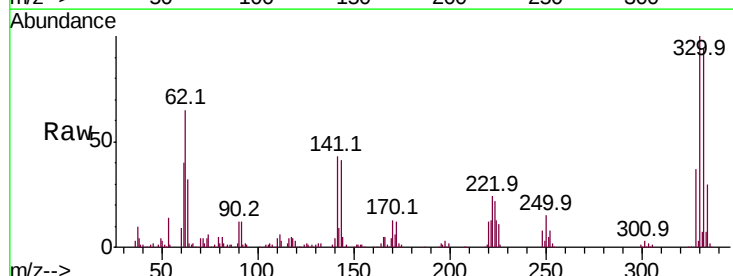
Instrument :
 BNA_G
 ClientSampleId :

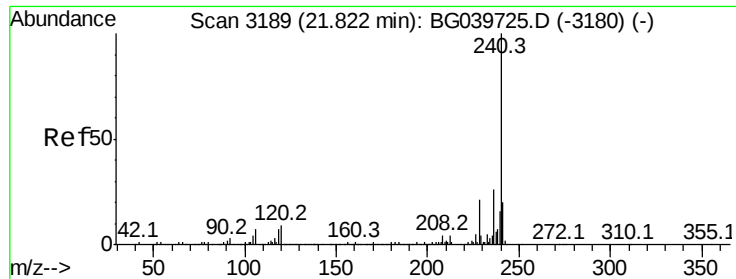
Tot Ion:188 Resp: 248130
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.9 10.3
 80 9.1 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.681 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039918.D
 Acq: 14 Mar 2019 1:22

Tgt Ion:248 Resp: 13001
 Ion Ratio Lower Upper
 248 100
 250 188.7 77.6 116.4#
 141 530.1 63.9 95.9#

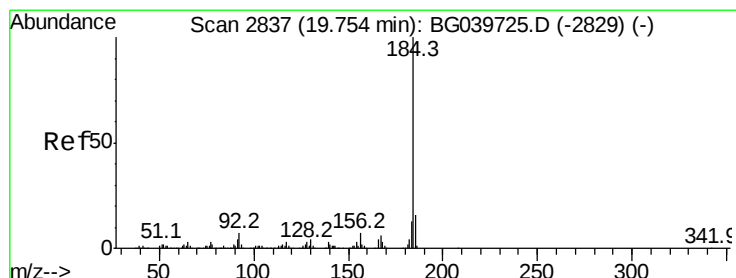
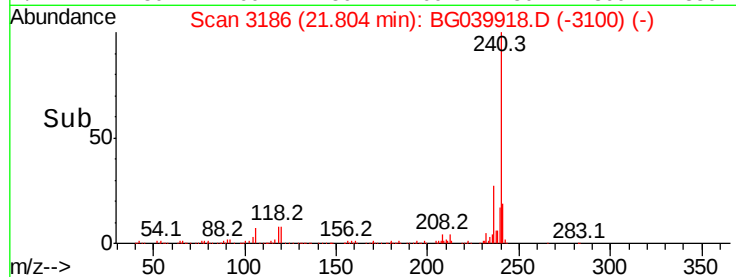
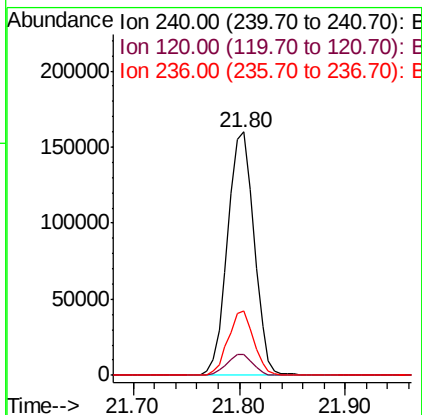
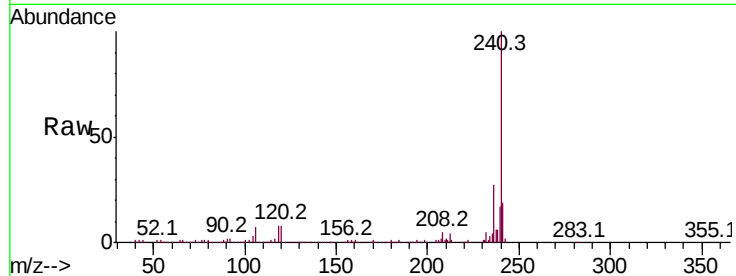




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3186
 Delta R.T. -0.02 min
 Lab File: BG039918.D
 Acq: 14 Mar 2019 1:22

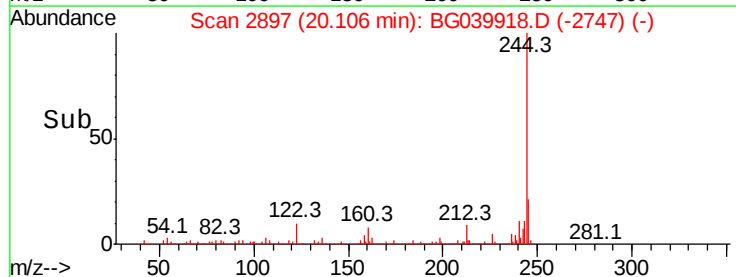
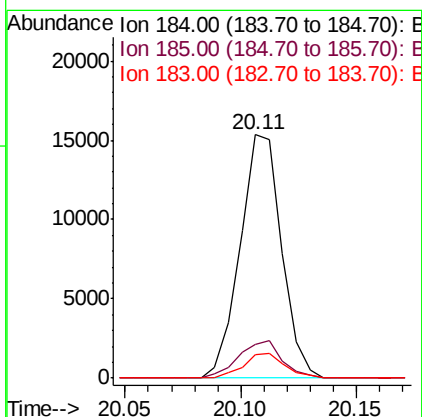
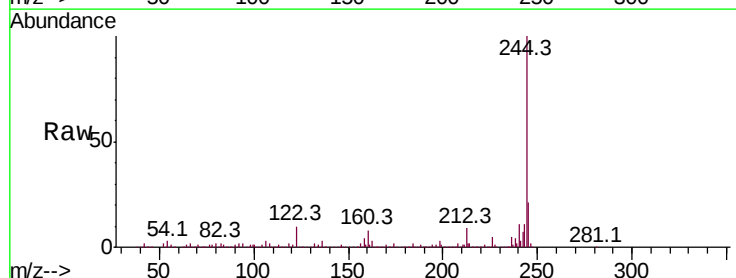
Instrument :
 BNA_G
 ClientSampleId :

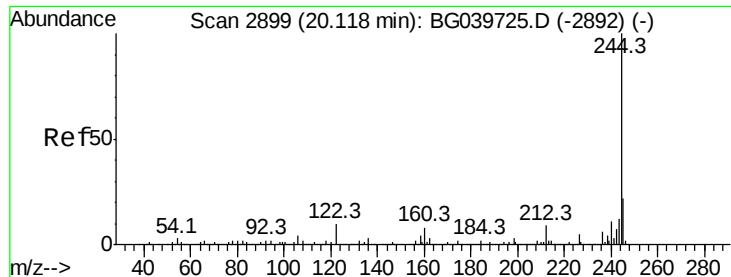
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.0	10.6
236	26.6	21.0	31.4



#77
 Benzidine
 Concen: 2.183 ng
 RT: 20.11 min Scan# 2897
 Delta R.T. 0.35 min
 Lab File: BG039918.D
 Acq: 14 Mar 2019 1:22

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.6	12.2	18.2
183	9.9	10.6	15.8#





#79

Terphenyl-d14

Concen: 85.411 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039918.D

Acq: 14 Mar 2019 1:22

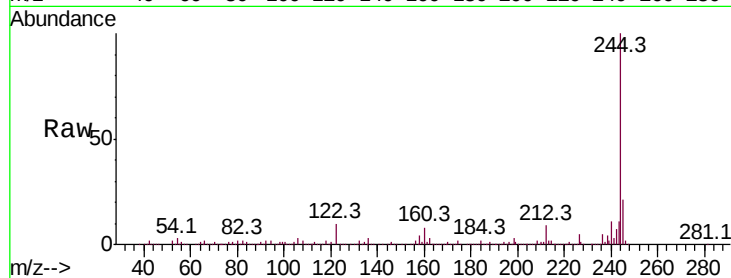
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1076675

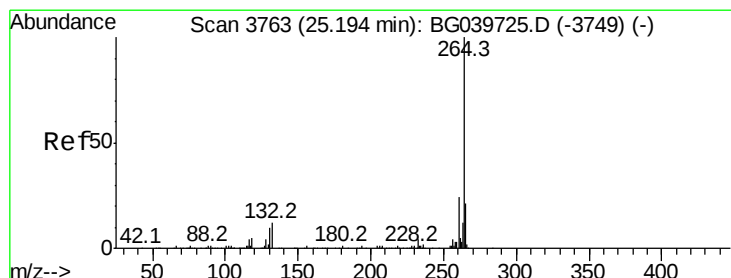
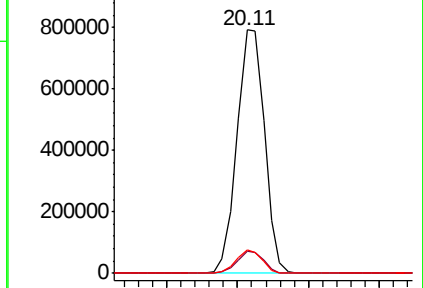
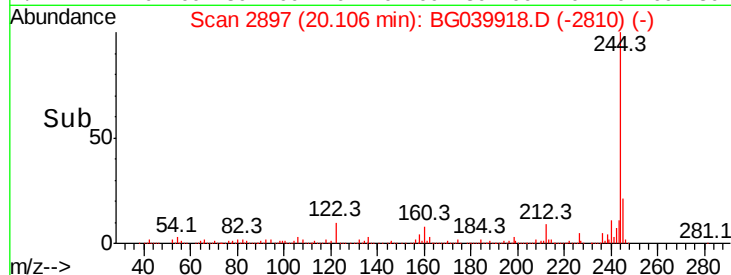
Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.3	10.9
122	9.8	8.4	12.6



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

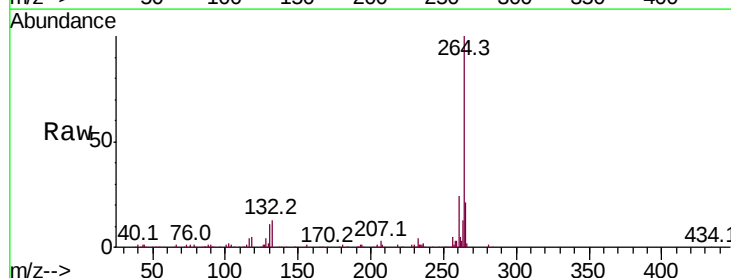
Delta R.T. -0.04 min

Lab File: BG039918.D

Acq: 14 Mar 2019 1:22

Tgt Ion:264 Resp: 273649

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	21.3	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

