

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031219\
 Data File : BG039898.D
 Acq On : 13 Mar 2019 7:25
 Operator : JU/SJ
 Sample : K1846-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 15:06:34 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

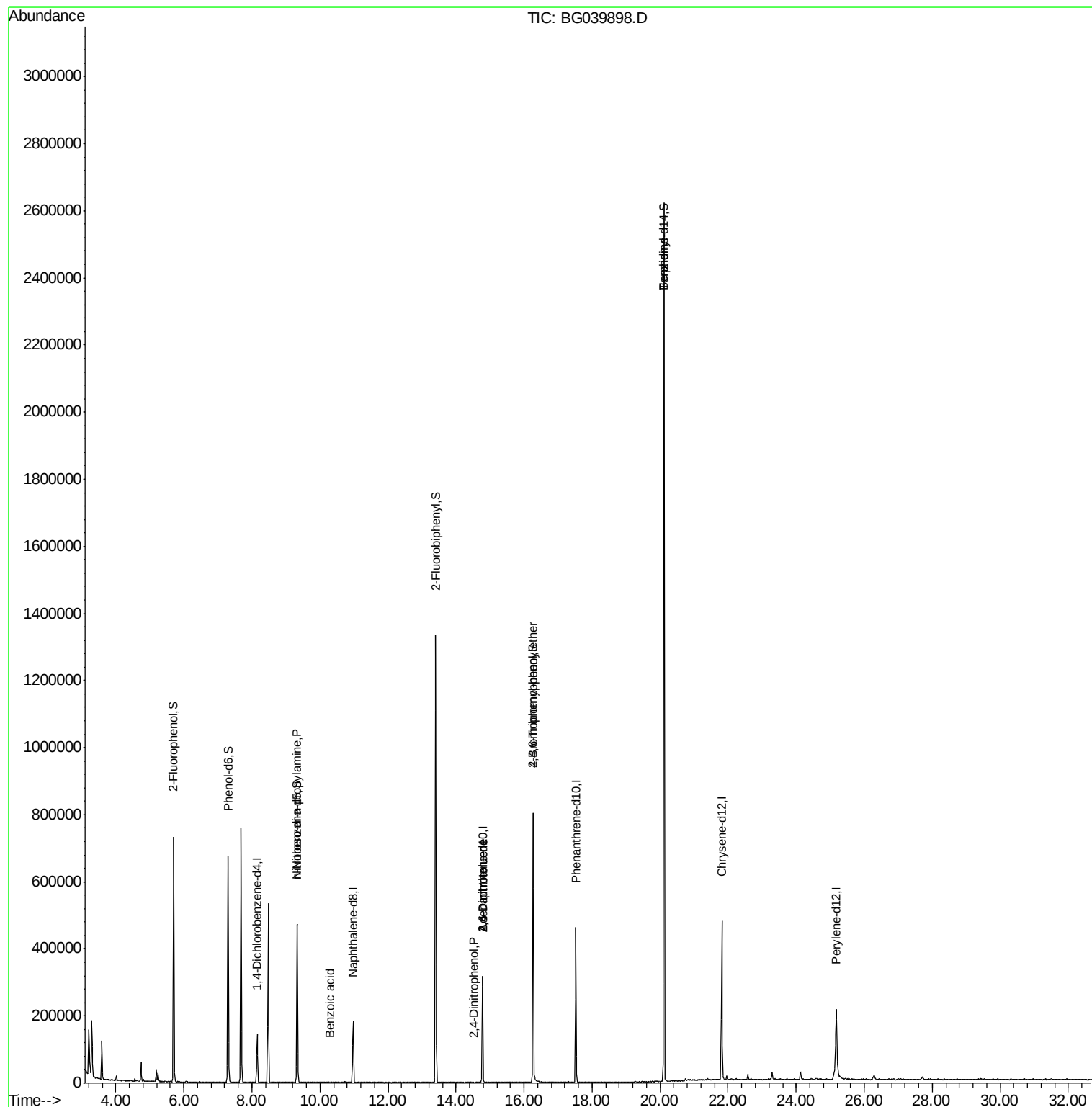
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	37550	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	159726	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	111584	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	283738	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	303576	20.00	ng	-0.02
87) Perylene-d12	25.18	264	276554	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	298207	135.48	ng	-0.01
7) Phenol-d6	7.30	99	388961	118.52	ng	-0.01
23) Nitrobenzene-d5	9.33	82	289275	97.95	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	149899	115.25	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	718706	91.71	ng	-0.02
79) Terphenyl-d14	20.11	244	1255565	91.06	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	37113	15.711	ng	# 71
32) Benzoic acid	10.28	122	275	6.747	ng	# 65
51) 2,6-Dinitrotoluene	14.78	165	14454	7.307	ng	# 23
54) 2,4-Dinitrophenol	14.51	184	71	5.309	ng	# 18
57) 2,4-Dinitrotoluene	14.78	165	14454	5.200	ng	# 18
67) 4-Bromophenyl-phenylether	16.26	248	11613	3.657	ng	# 1
77) Benzidine	20.11	184	21356	2.217	ng	97

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

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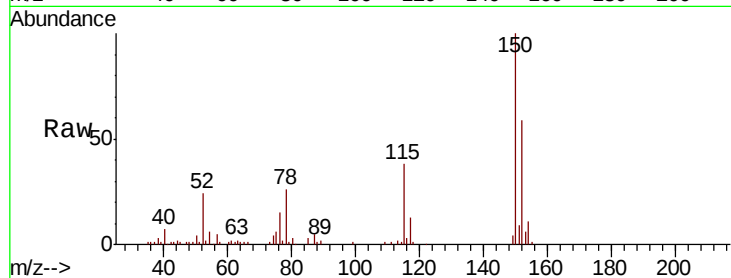


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039898.D
Acq: 13 Mar 2019 7:25

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	170.4	123.7	185.5
115	64.2	45.9	68.9

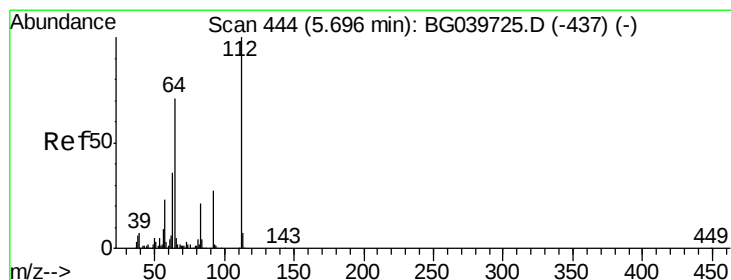
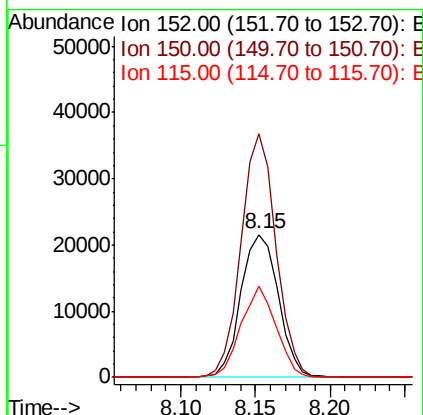
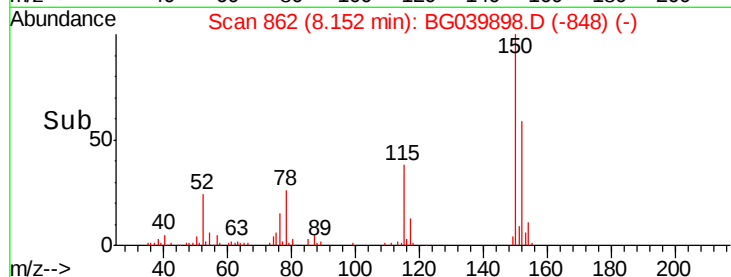


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

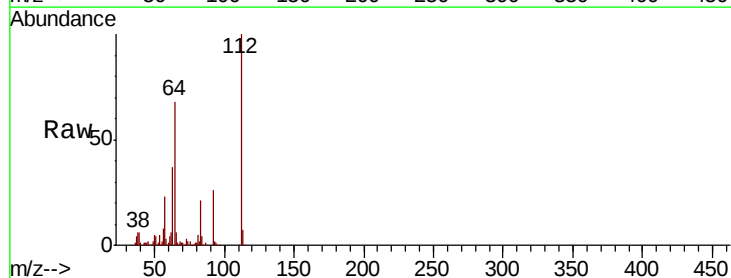
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.484 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039898.D
Acq: 13 Mar 2019 7:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	57.8	86.8
63	36.8	29.8	44.6

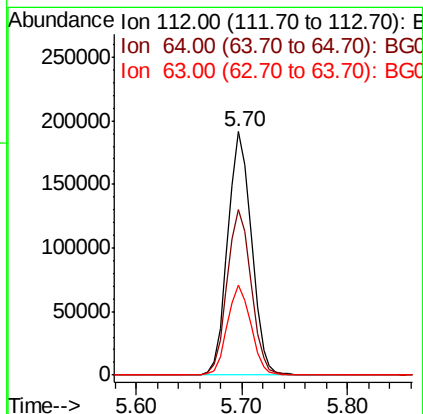
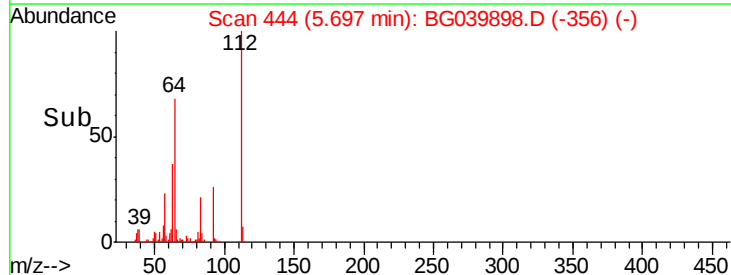


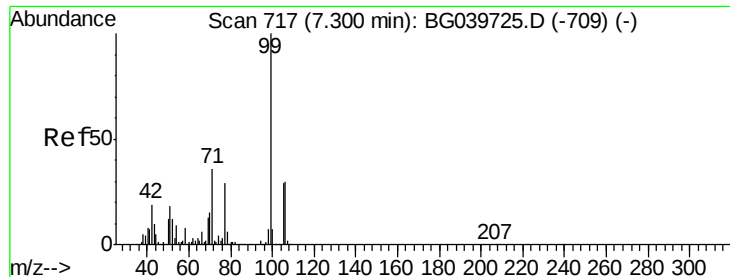
Abundance

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: 118.518 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039898.D

Acq: 13 Mar 2019 7:25

Instrument :

BNA_G

ClientSampleId :

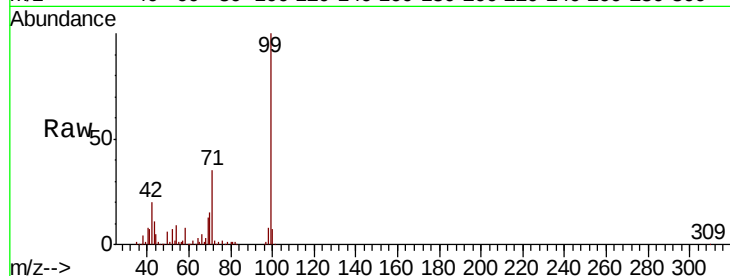
Tot Ion: 99 Resp: 388961

Ion Ratio Lower Upper

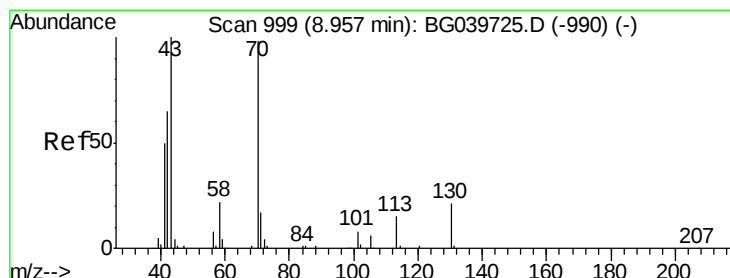
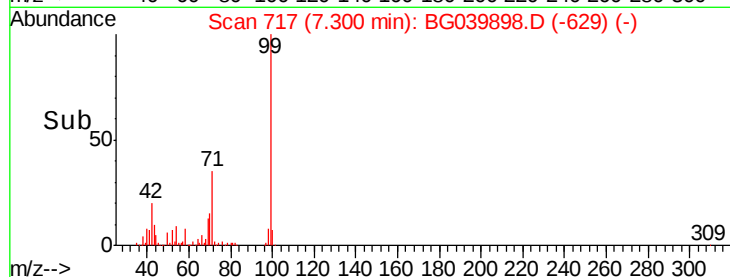
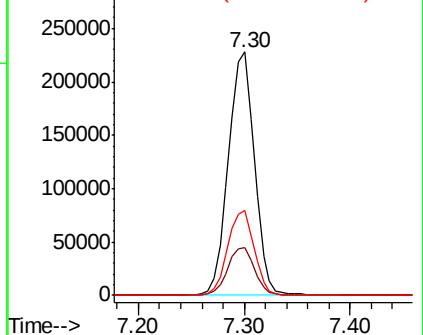
99 100

42 19.6 18.2 27.2

71 35.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.711 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039898.D

Acq: 13 Mar 2019 7:25

Tgt Ion: 70 Resp: 37113

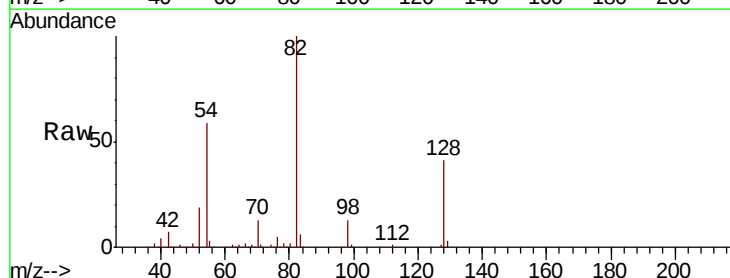
Ion Ratio Lower Upper

70 100

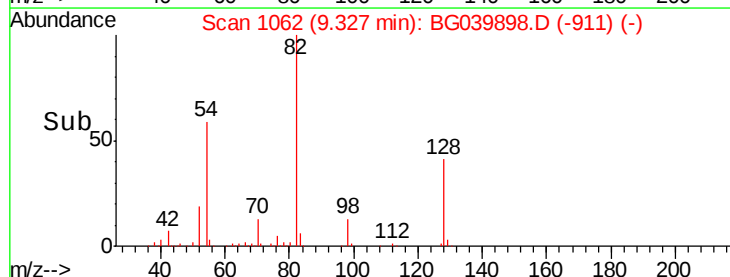
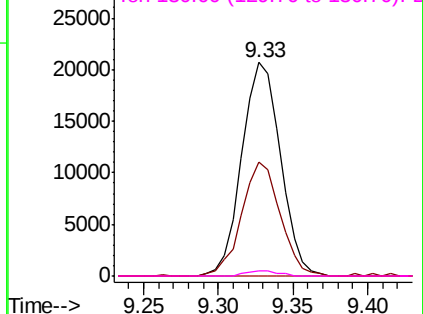
42 53.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.3 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

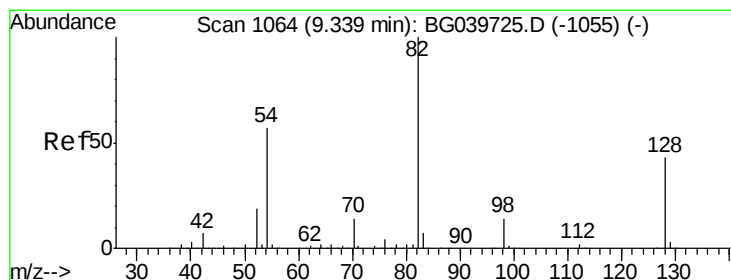
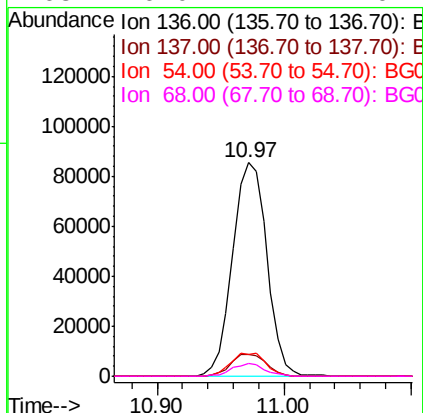
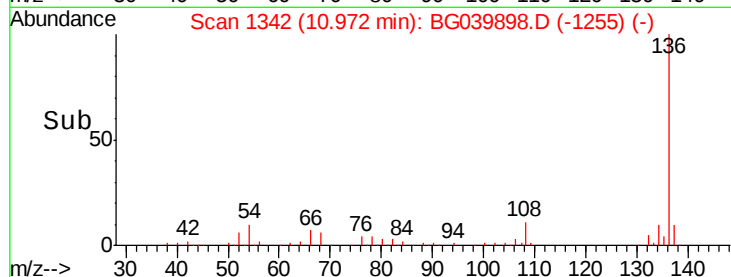
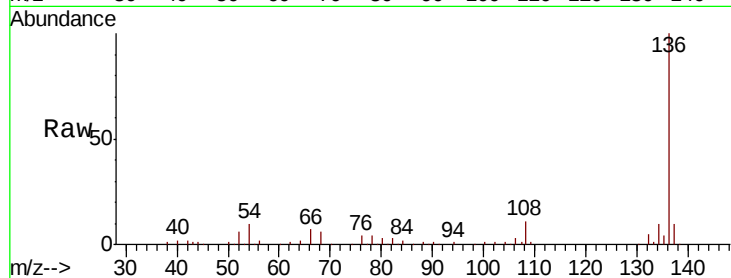




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039898.D
Acq: 13 Mar 2019 7:25

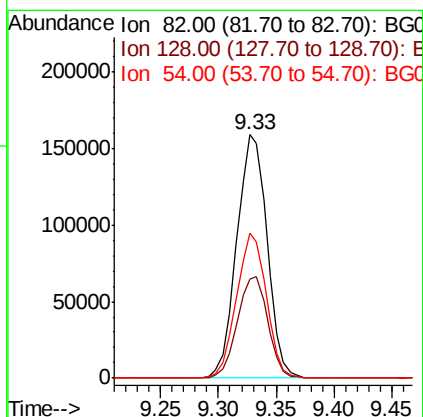
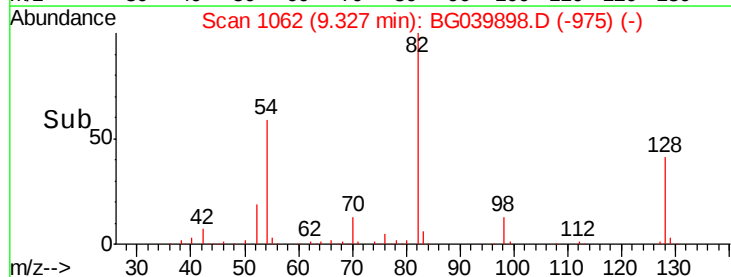
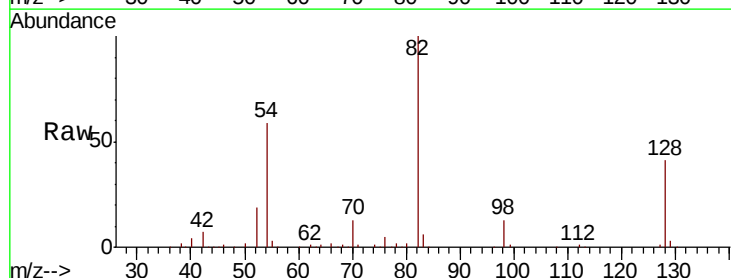
Instrument :
BNA_G
ClientSampleId :

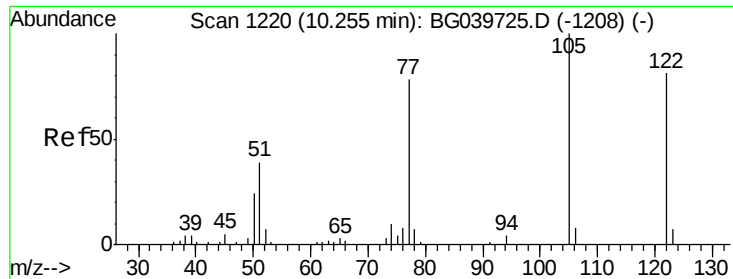
Tot Ion:136	Resp:	159726
Ion	Ratio	Lower Upper
136	100	
137	10.5	9.1 13.7
54	10.4	9.4 14.2
68	6.0	4.2 6.4



#23
Nitrobenzene-d5
Concen: 97.950 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039898.D
Acq: 13 Mar 2019 7:25

Tgt Ion: 82	Resp:	289275
Ion	Ratio	Lower Upper
82	100	
128	40.8	31.3 46.9
54	59.4	50.9 76.3





#32

Benzoic acid

Concen: 6.747 ng

RT: 10.28 min Scan# 1225

Delta R.T. 0.02 min

Lab File: BG039898.D

Acq: 13 Mar 2019 7:25

Instrument :

BNA_G

ClientSampled :

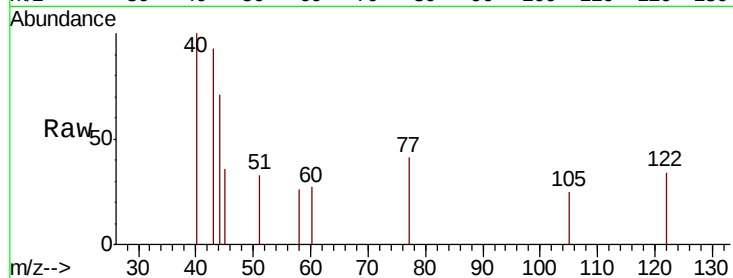
Tot Ion:122 Resp: 275

Ion Ratio Lower Upper

122 100

105 72.2 101.8 141.8#

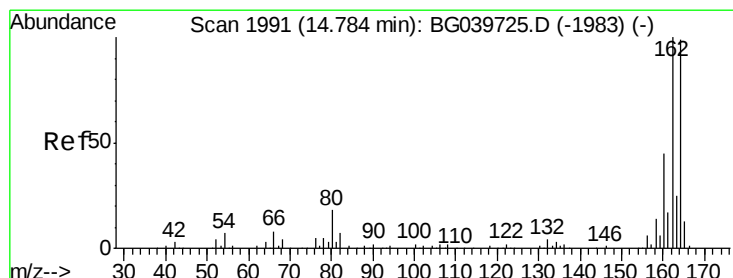
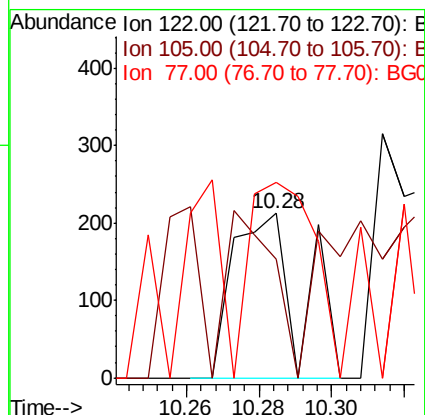
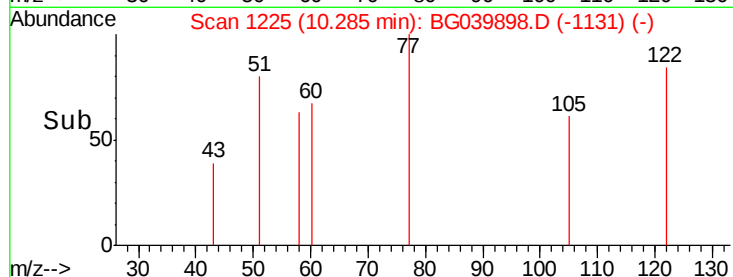
77 118.9 76.3 116.3#



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039898.D

Acq: 13 Mar 2019 7:25

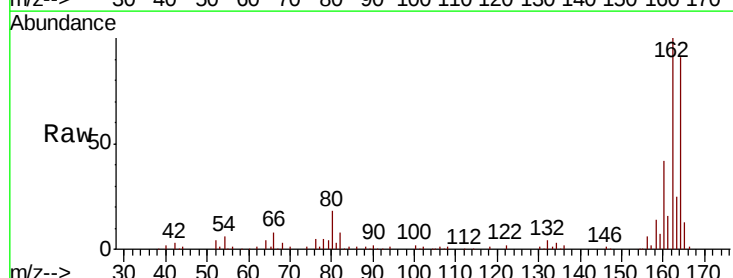
Tgt Ion:164 Resp: 111584

Ion Ratio Lower Upper

164 100

162 109.8 81.6 122.4

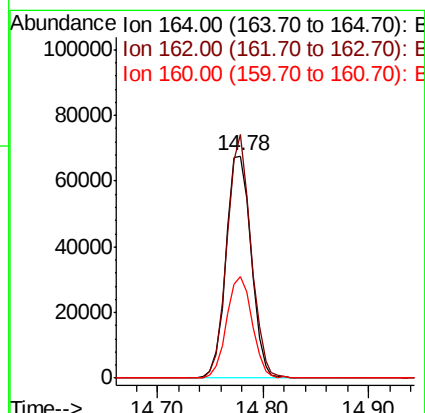
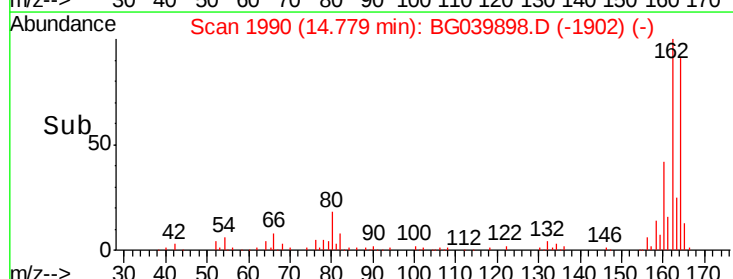
160 46.0 34.2 51.2

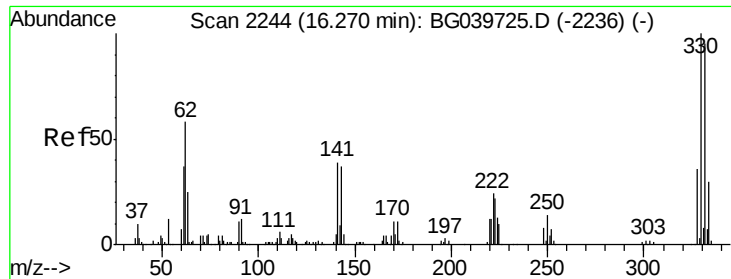


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

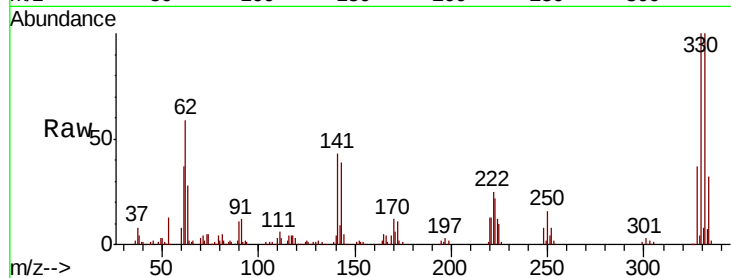




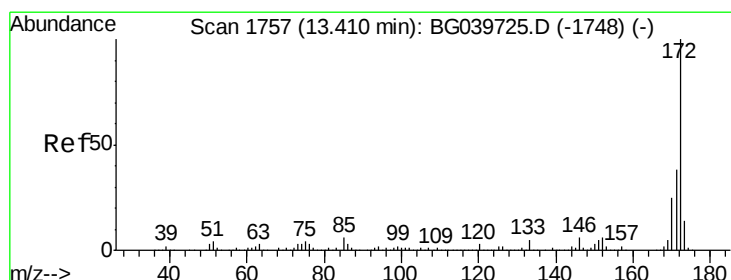
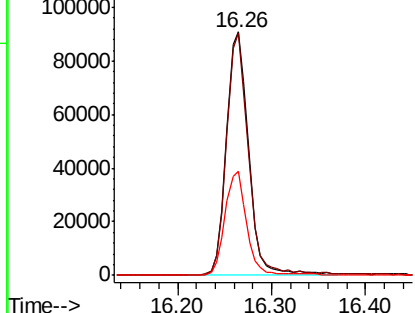
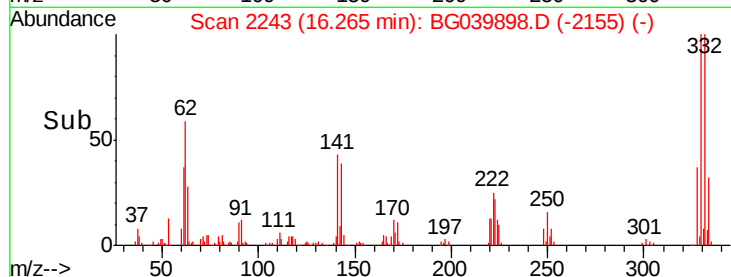
#42
 2,4,6-Tribromophenol
 Concen: 115.254 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG039898.D
 Acq: 13 Mar 2019 7:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 149899
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.7 113.5
 141 41.9 35.6 53.4

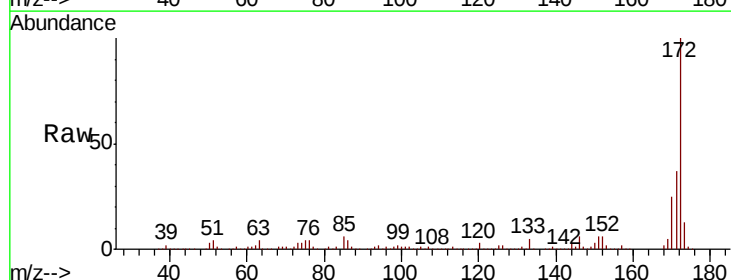


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

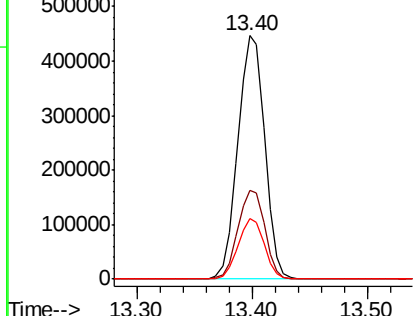
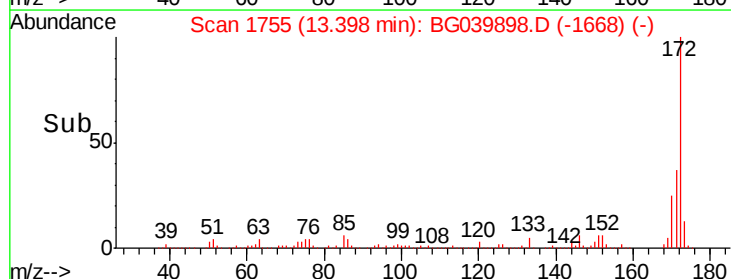


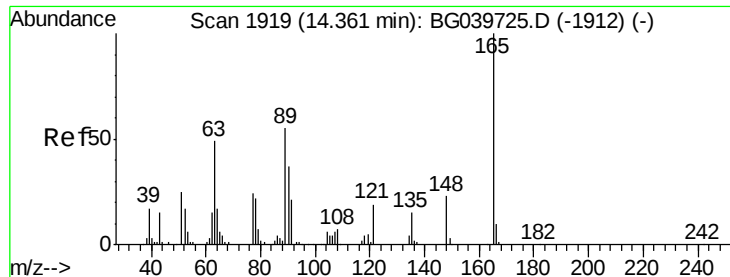
#45
 2-Fluorobiphenyl
 Concen: 91.708 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039898.D
 Acq: 13 Mar 2019 7:25

Tgt Ion:172 Resp: 718706
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.8 46.2
 170 24.7 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

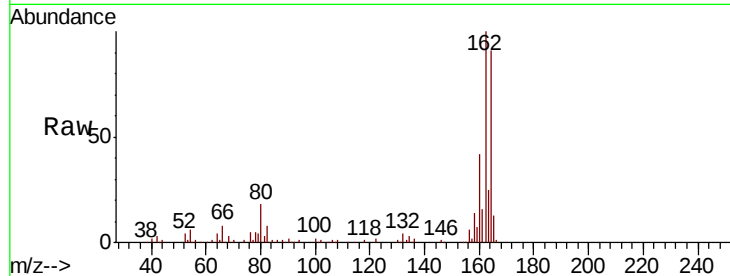




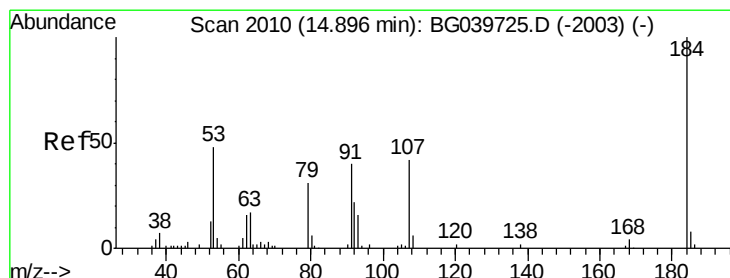
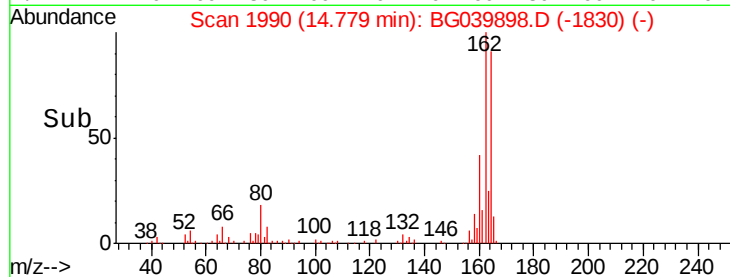
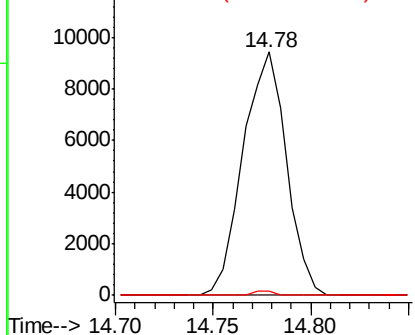
#51
 2,6-Dinitrotoluene
 Concen: 7.307 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039898.D
 Acq: 13 Mar 2019 7:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14454
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 1.9 45.8 68.8#

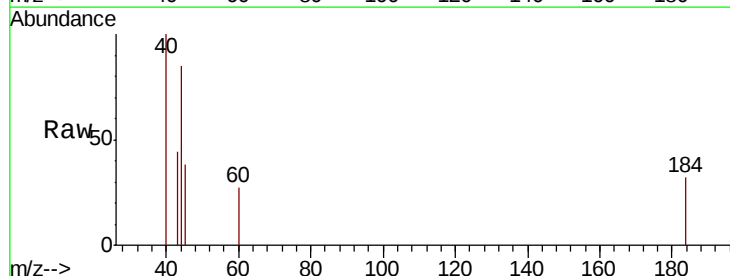


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

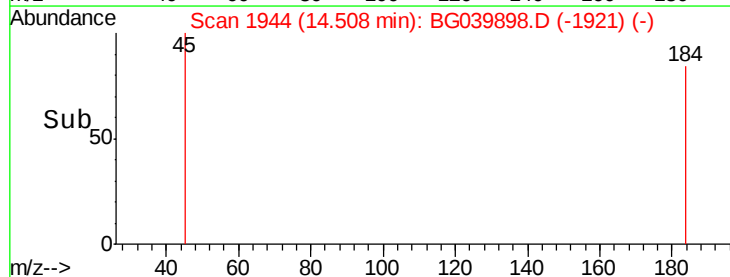
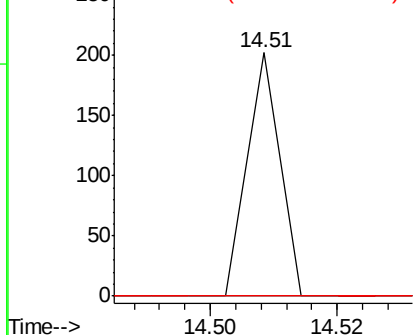


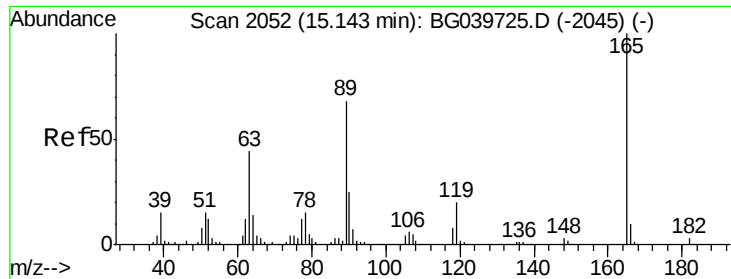
#54
 2,4-Dinitrophenol
 Concen: 5.309 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.39 min
 Lab File: BG039898.D
 Acq: 13 Mar 2019 7:25

Tgt Ion:184 Resp: 71
 Ion Ratio Lower Upper
 184 100
 63 0.0 50.9 76.3#
 154 0.0 53.0 79.6#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

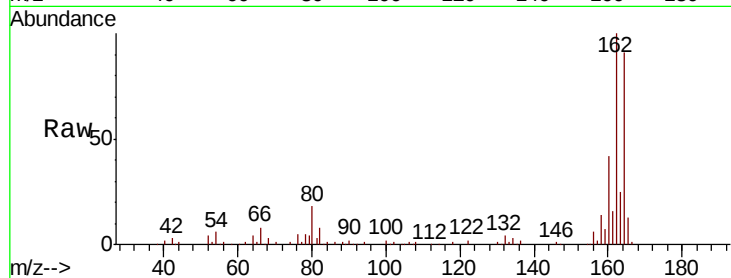




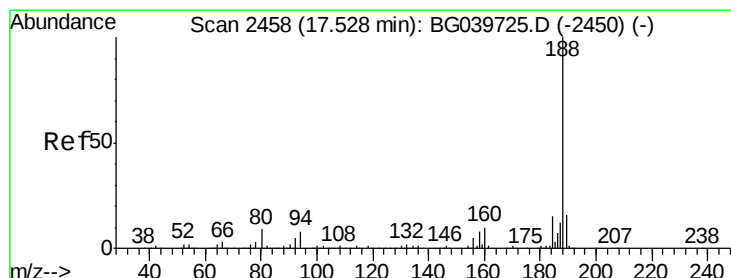
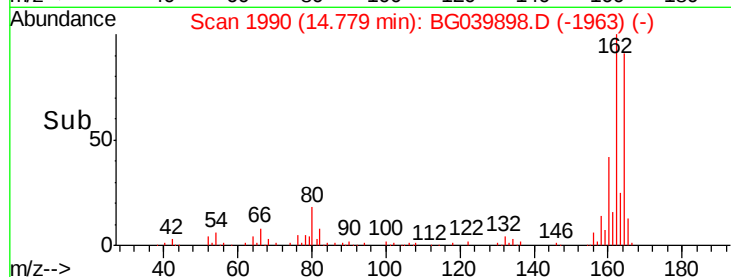
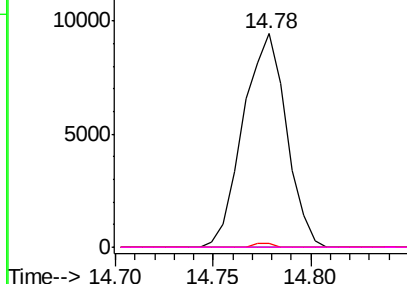
#57
 2,4-Dinitrotoluene
 Concen: 5.200 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039898.D
 Acq: 13 Mar 2019 7:25

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:	165	Resp:	14454
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#

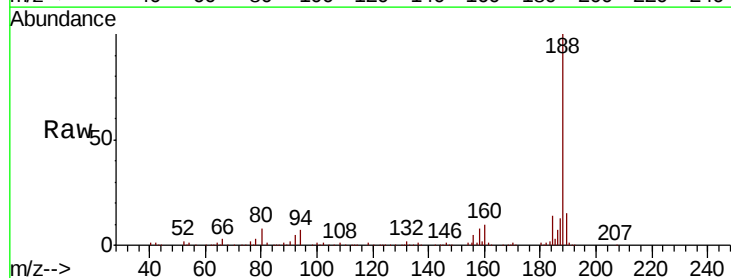


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

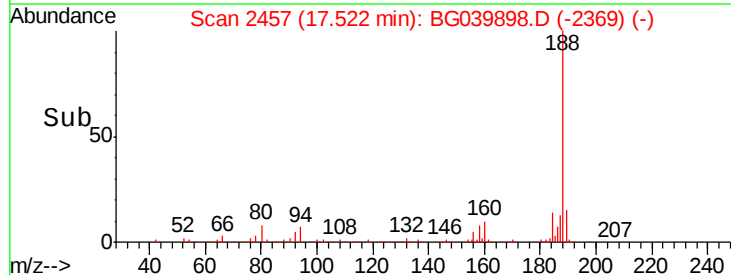
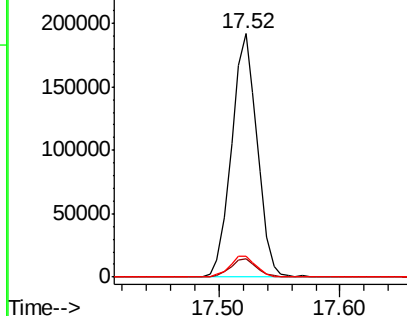


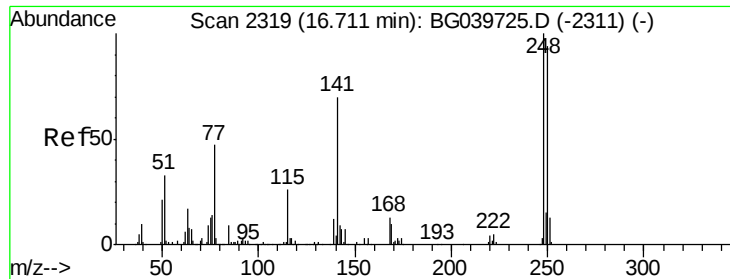
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG039898.D
 Acq: 13 Mar 2019 7:25

Tgt Ion:	188	Resp:	283738
Ion	Ratio	Lower	Upper
188	100		
94	7.4	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): BGC
 Ion 80.00 (79.70 to 80.70): BGC

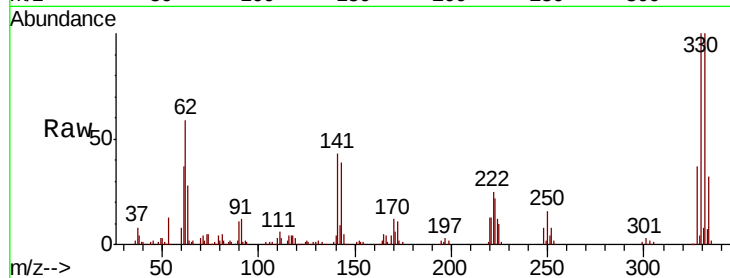




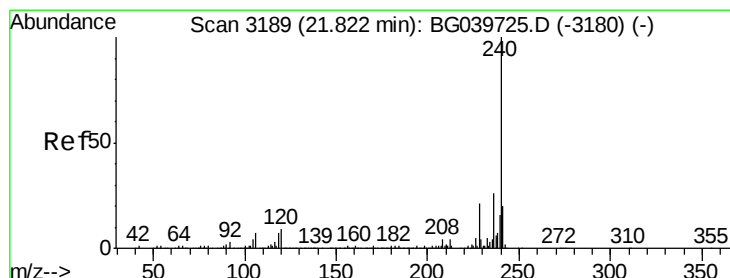
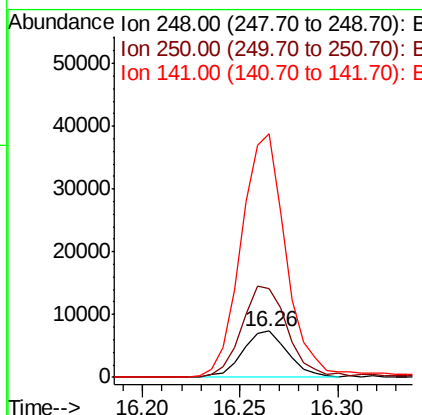
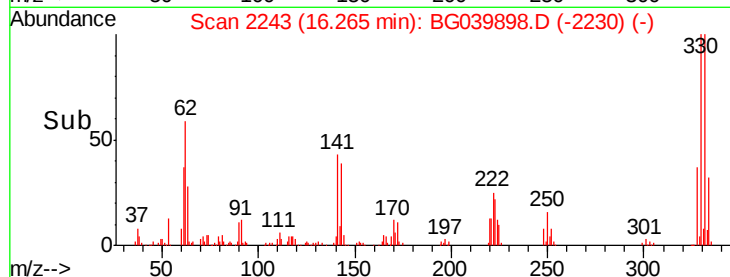
#67
 4-Bromophenyl-phenylether
 Concen: 3.657 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039898.D
 Acq: 13 Mar 2019 7:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11613
 Ion Ratio Lower Upper
 248 100
 250 193.4 77.6 116.4#
 141 529.9 63.9 95.9#

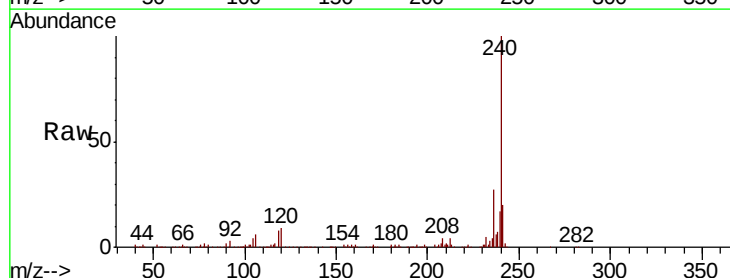


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

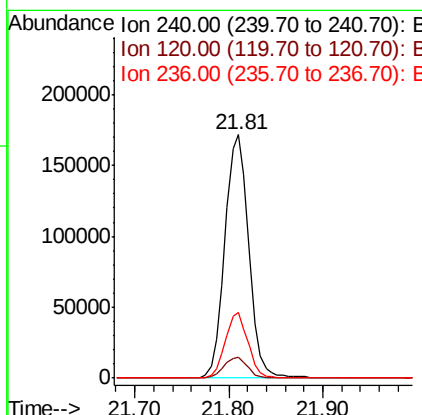
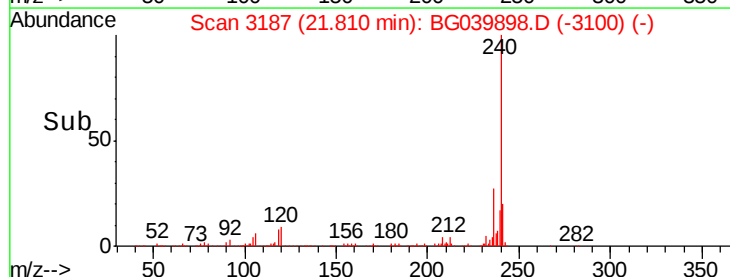


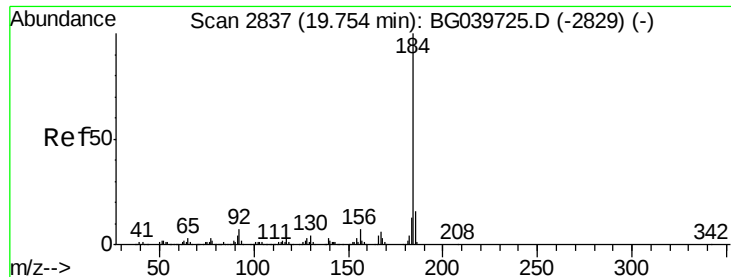
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.02 min
 Lab File: BG039898.D
 Acq: 13 Mar 2019 7:25

Tgt Ion:240 Resp: 303576
 Ion Ratio Lower Upper
 240 100
 120 8.8 7.0 10.6
 236 27.1 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: 2.217 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039898.D

Acq: 13 Mar 2019 7:25

Instrument :

BNA_G

ClientSampleId :

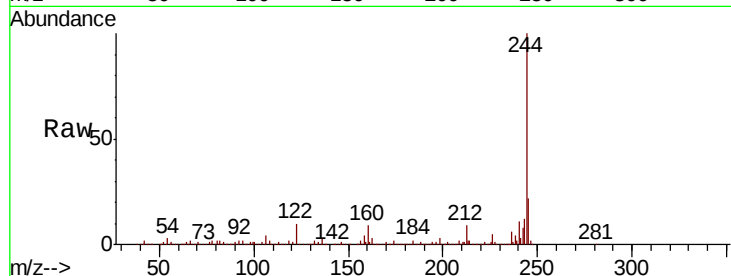
Tot Ion:184 Resp: 21356

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.2

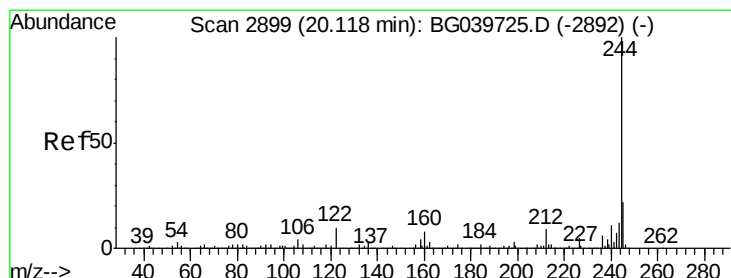
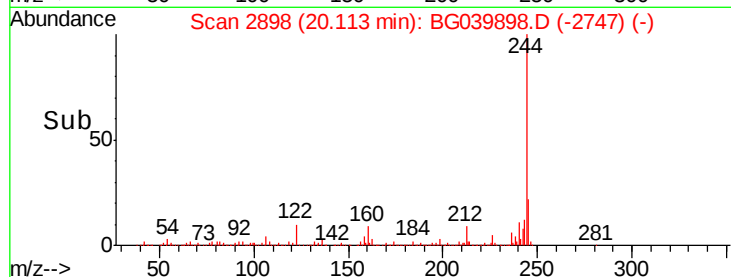
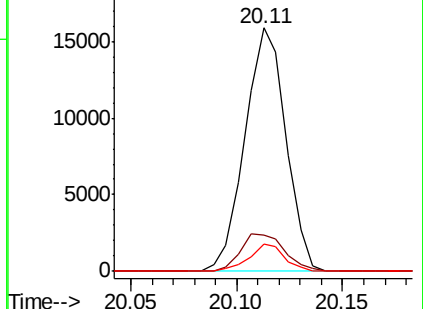
183 11.1 10.6 15.8



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: 91.065 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039898.D

Acq: 13 Mar 2019 7:25

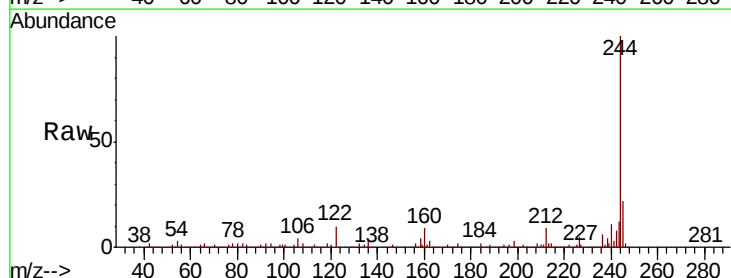
Tgt Ion:244 Resp: 1255565

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

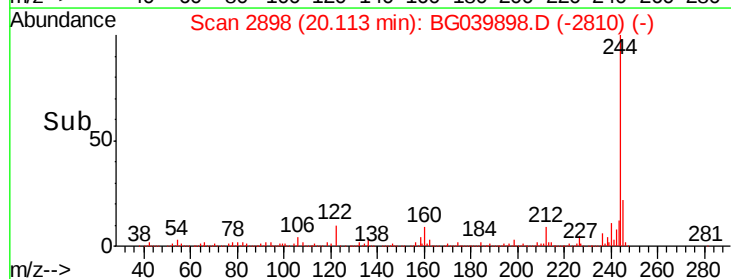
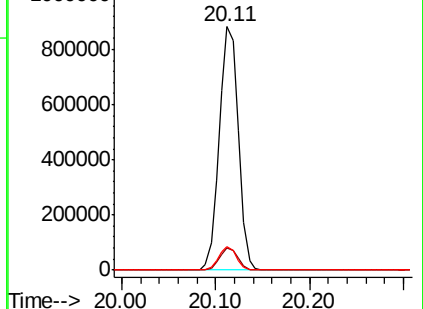
122 9.7 8.4 12.6

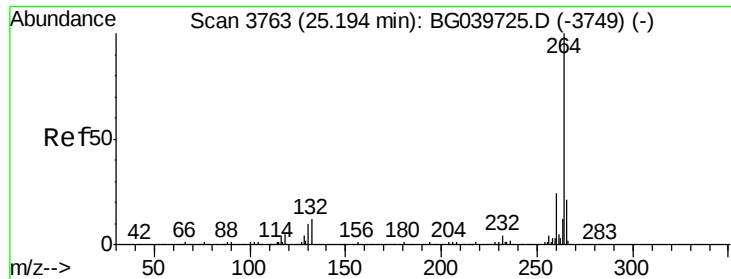


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.18 min Scan# 3760
Delta R.T. -0.02 min
Lab File: BG039898.D
Acq: 13 Mar 2019 7:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	19.8	18.5	27.7

