

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031219\
 Data File : BG039897.D
 Acq On : 13 Mar 2019 6:46
 Operator : JU/SJ
 Sample : K1697-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 15:06:25 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

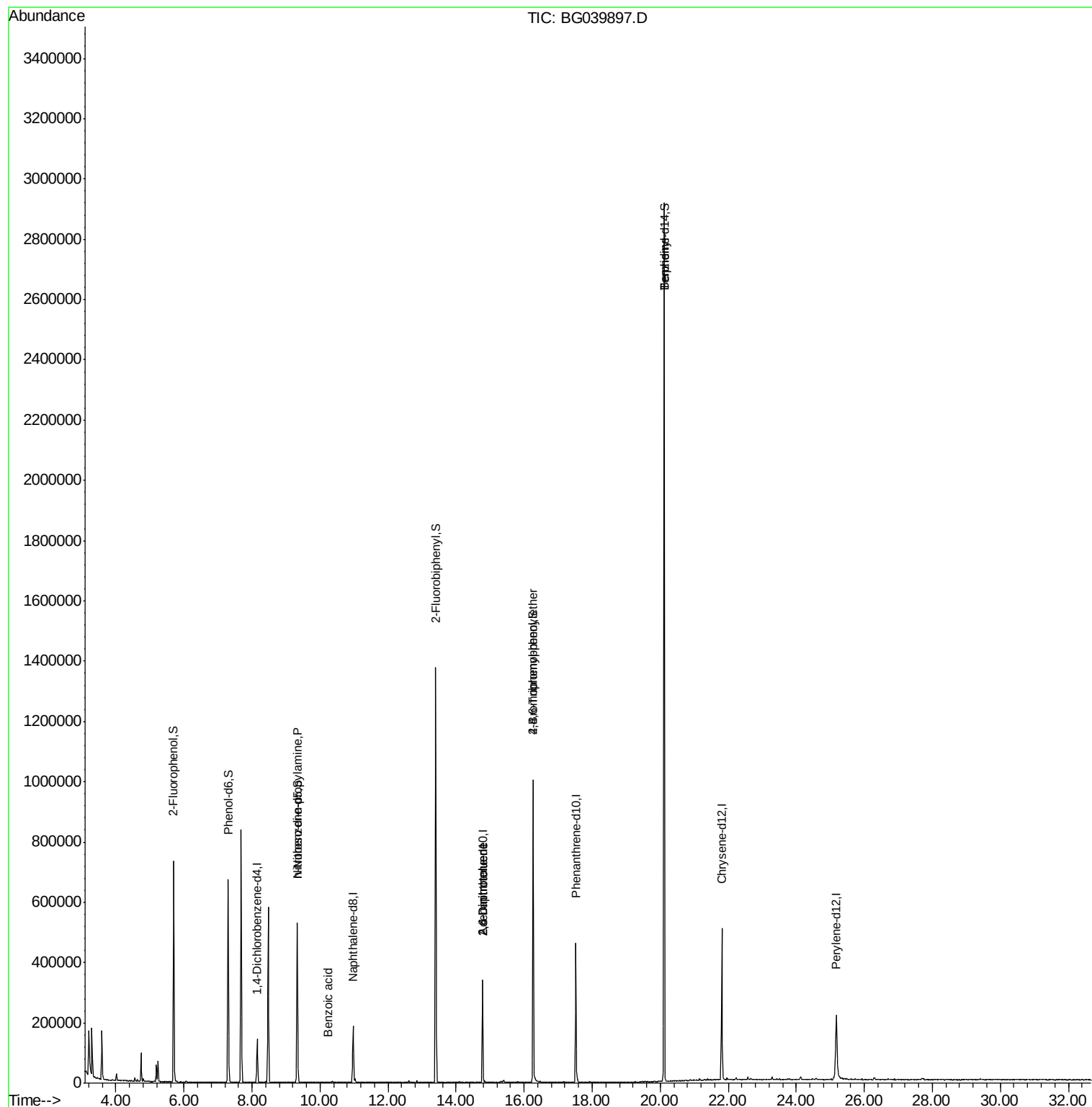
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	38992	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	162380	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	114801	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	293374	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	313199	20.00	ng	-0.02
87) Perylene-d12	25.17	264	287463	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	306249	133.99	ng	-0.01
7) Phenol-d6	7.30	99	380764	111.73	ng	-0.01
23) Nitrobenzene-d5	9.33	82	314519	104.76	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	177873	132.93	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	748546	92.84	ng	-0.01
79) Terphenyl-d14	20.12	244	1364312	95.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	41435	16.892	ng	# 66
32) Benzoic acid	10.24	122	969	7.113	ng	# 75
51) 2,6-Dinitrotoluene	14.78	165	14276	7.015	ng	# 23
57) 2,4-Dinitrotoluene	14.78	165	14276	4.992	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	13811	4.206	ng	# 1
77) Benzidine	20.12	184	24368	2.452	ng	# 94

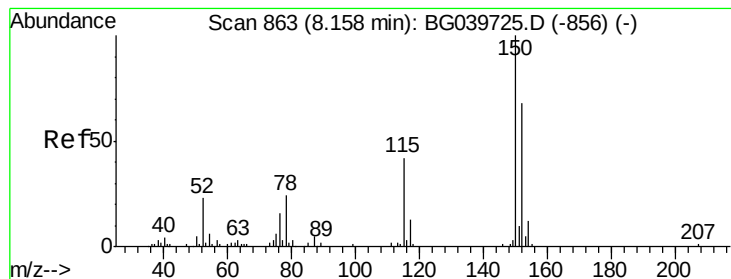
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 862

Delta R.T. -0.02 min

Lab File: BG039897.D

Acq: 13 Mar 2019 6:46

Instrument :

BNA_G

ClientSampleId :

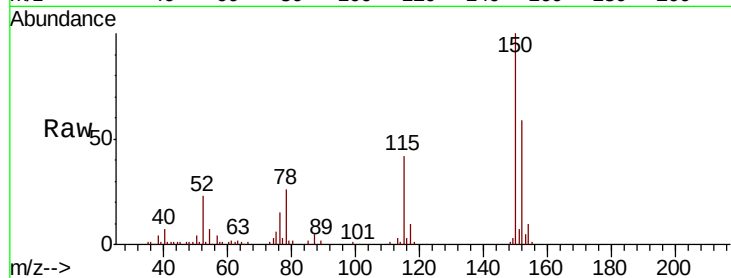
Tot Ion:152 Resp: 38992

Ion Ratio Lower Upper

152 100

150 169.3 123.7 185.5

115 71.9 45.9 68.9#

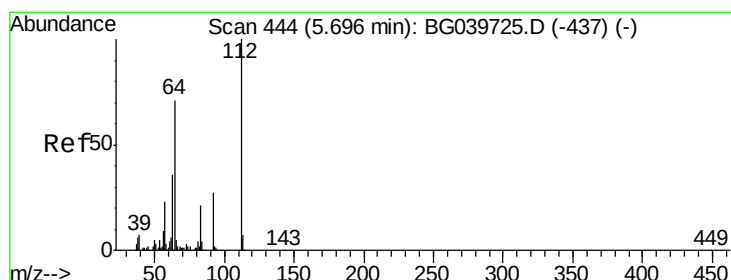
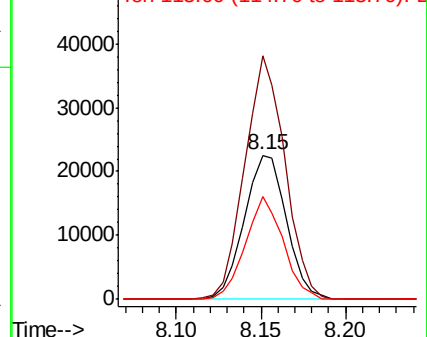
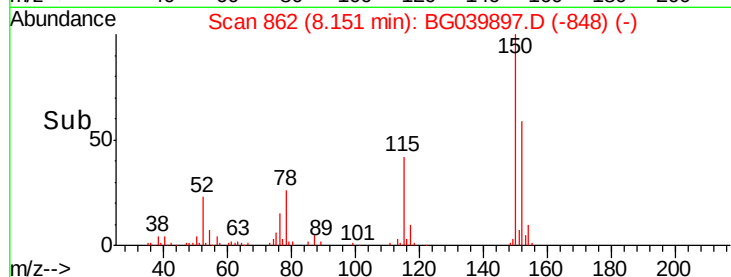


Abundance

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: 133.992 ng

RT: 5.70 min Scan# 444

Delta R.T. -0.01 min

Lab File: BG039897.D

Acq: 13 Mar 2019 6:46

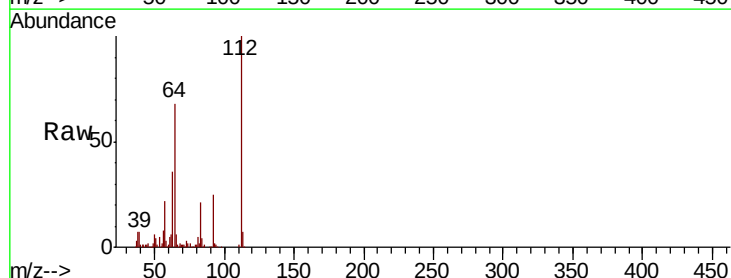
Tgt Ion:112 Resp: 306249

Ion Ratio Lower Upper

112 100

64 68.3 57.8 86.8

63 36.3 29.8 44.6

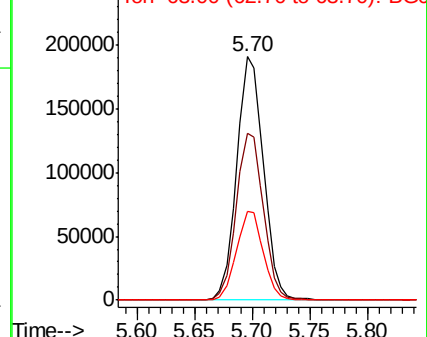
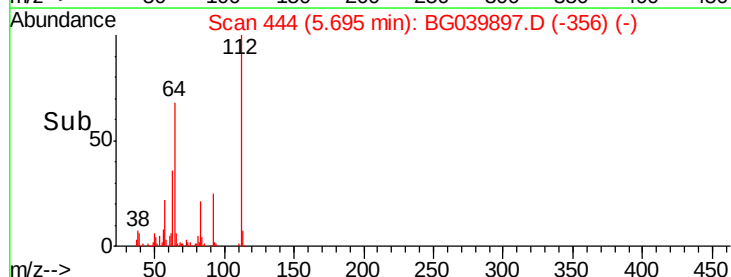


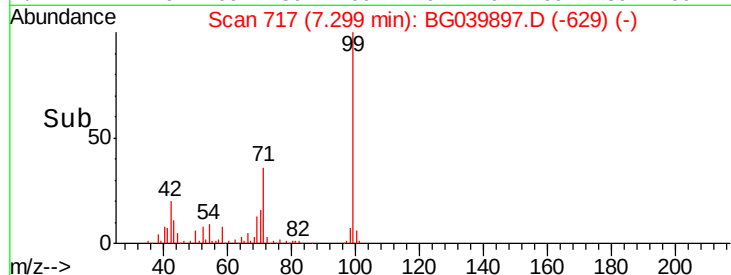
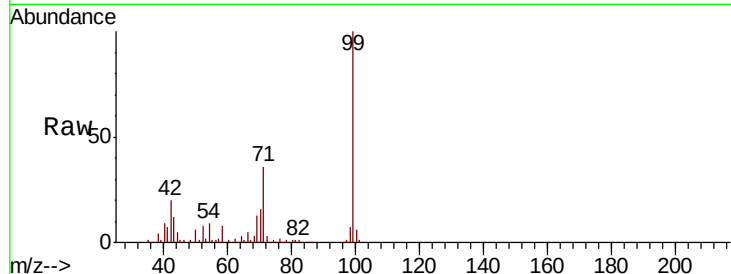
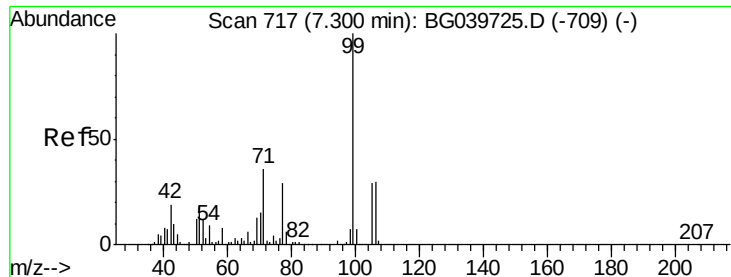
Abundance

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

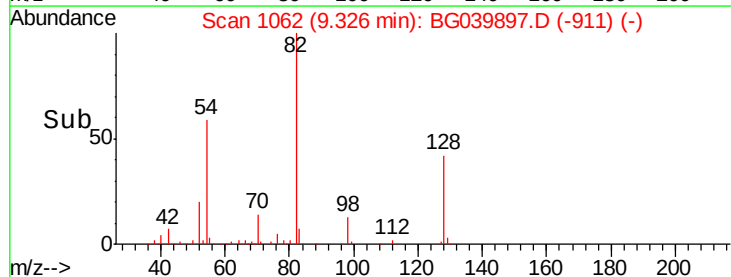
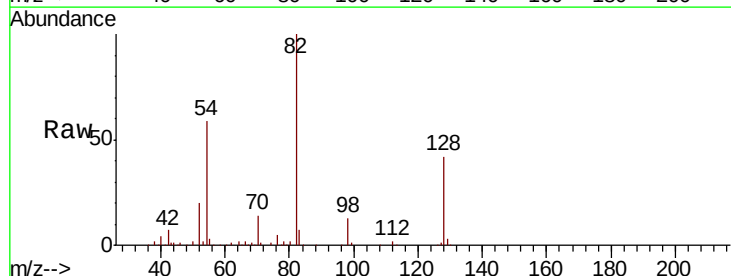
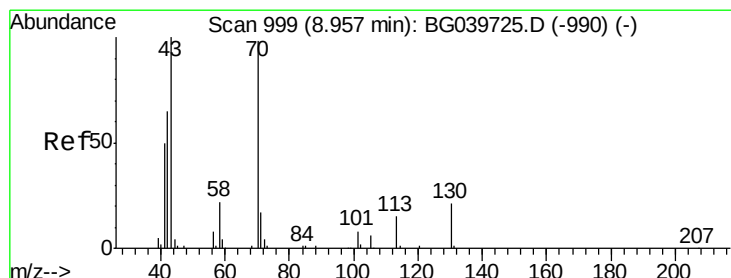
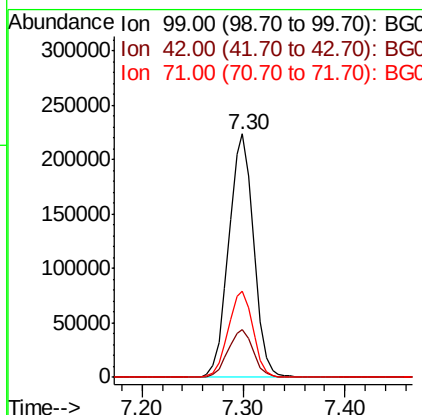




#7
Phenol-d6
Concen: 111.729 ng
RT: 7.30 min Scan# 717
Delta R.T. -0.01 min
Lab File: BG039897.D
Acq: 13 Mar 2019 6:46

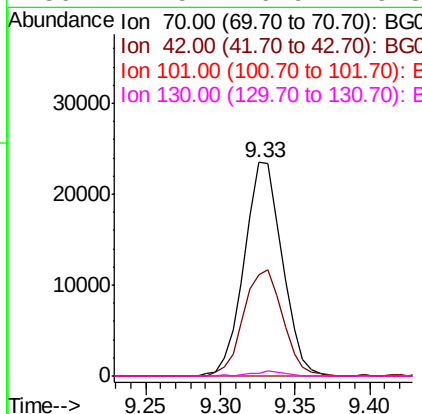
Instrument :
BNA_G
ClientSampled :

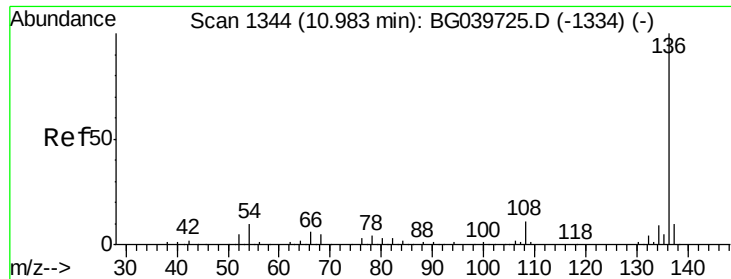
Tot Ion	Ratio	Lower	Upper
99	100		
42	19.8	18.2	27.2
71	35.5	28.0	42.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.892 ng
RT: 9.33 min Scan# 1062
Delta R.T. 0.36 min
Lab File: BG039897.D
Acq: 13 Mar 2019 6:46

Tgt Ion	Ratio	Lower	Upper
70	100		
42	47.2	60.4	90.6#
101	0.0	7.5	11.3#
130	1.5	16.9	25.3#

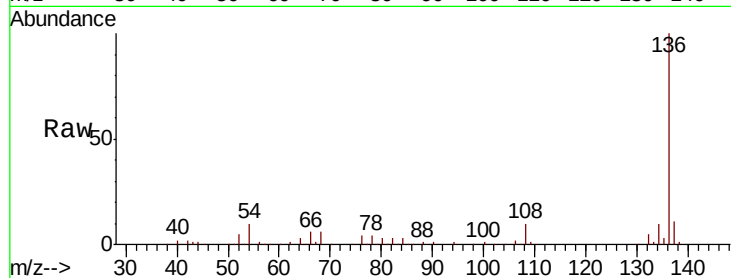




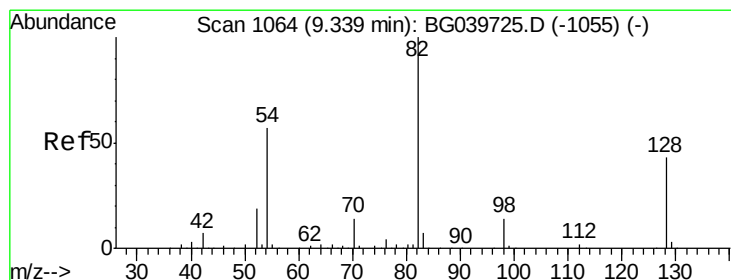
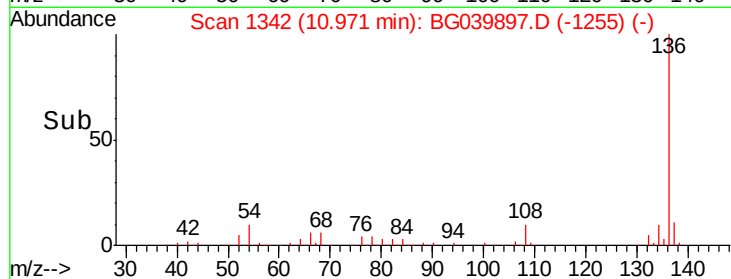
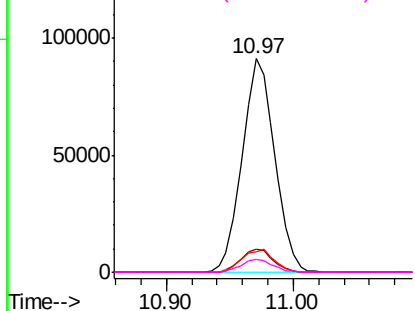
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039897.D
Acq: 13 Mar 2019 6:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	162380
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	9.7	9.4	14.2
68	6.0	4.2	6.4

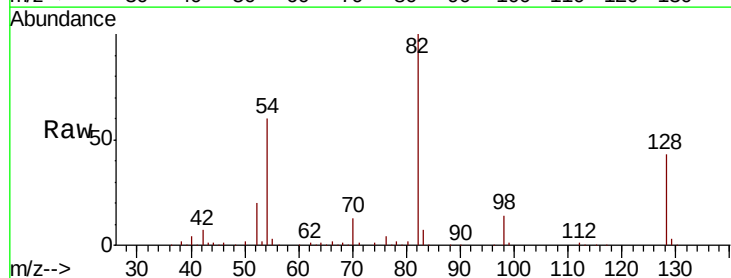


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

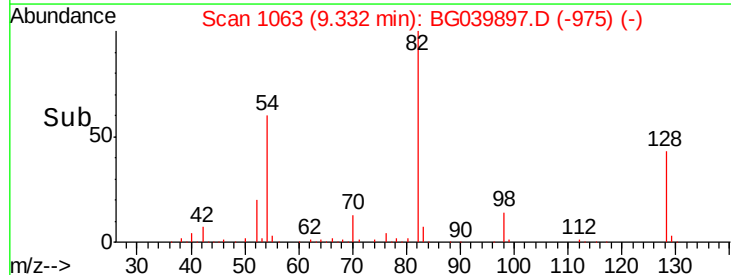
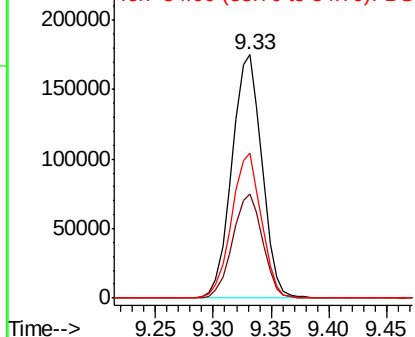


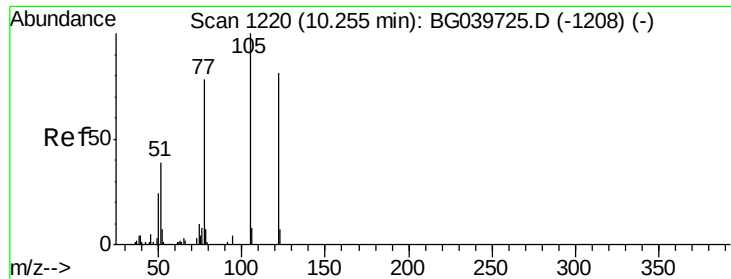
#23
Nitrobenzene-d5
Concen: 104.757 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039897.D
Acq: 13 Mar 2019 6:46

Tgt Ion:	82	Resp:	314519
Ion	Ratio	Lower	Upper
82	100		
128	42.8	31.3	46.9
54	59.5	50.9	76.3



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





#32

Benzoic acid

Concen: 7.113 ng

RT: 10.24 min Scan# 1218

Delta R.T. -0.02 min

Lab File: BG039897.D

Acq: 13 Mar 2019 6:46

Instrument :

BNA_G

ClientSampleId :

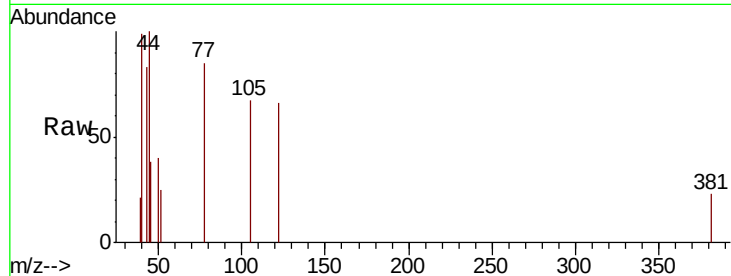
Tot Ion:122 Resp: 969

Ion Ratio Lower Upper

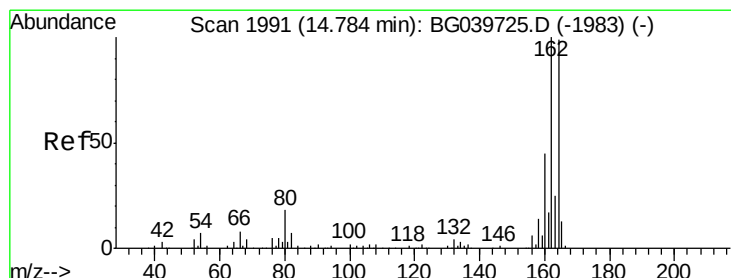
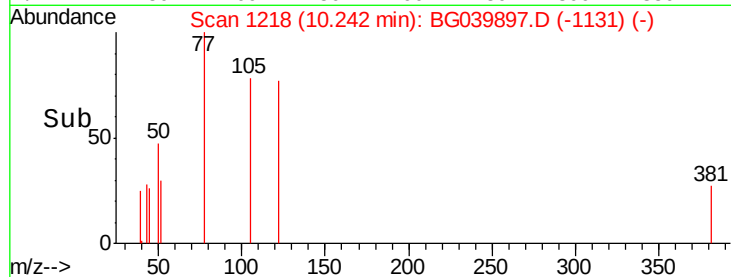
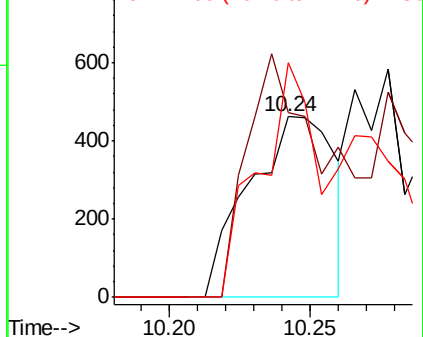
122 100

105 101.9 101.8 141.8

77 130.1 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: BG039897.D

Acq: 13 Mar 2019 6:46

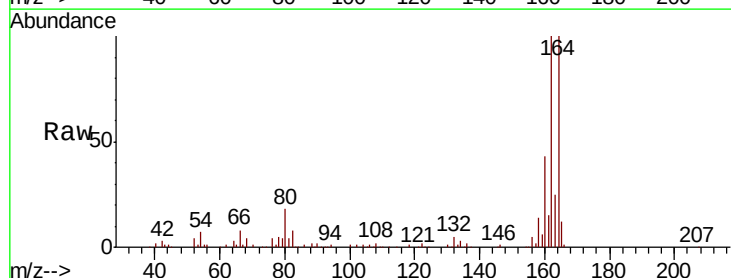
Tgt Ion:164 Resp: 114801

Ion Ratio Lower Upper

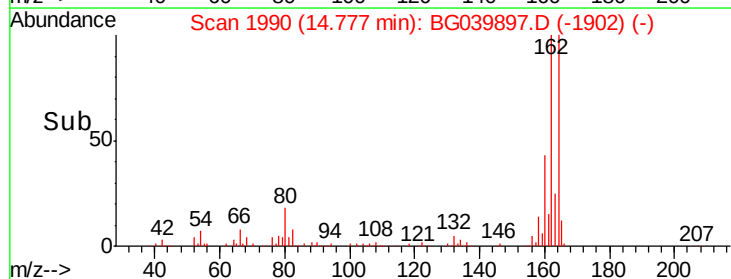
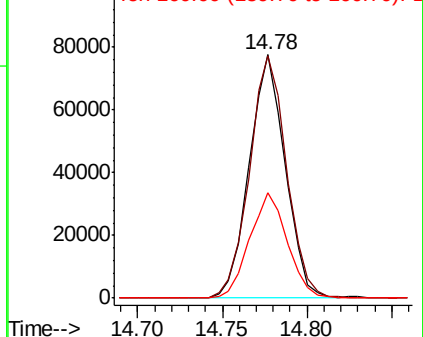
164 100

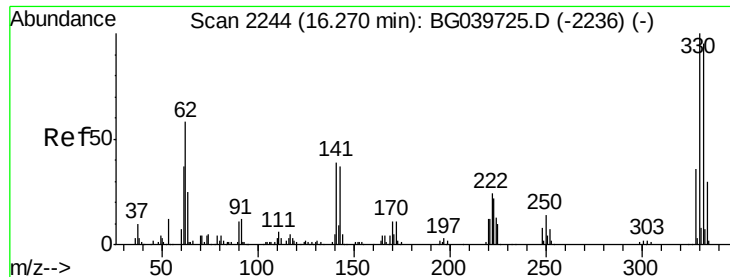
162 99.7 81.6 122.4

160 43.1 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

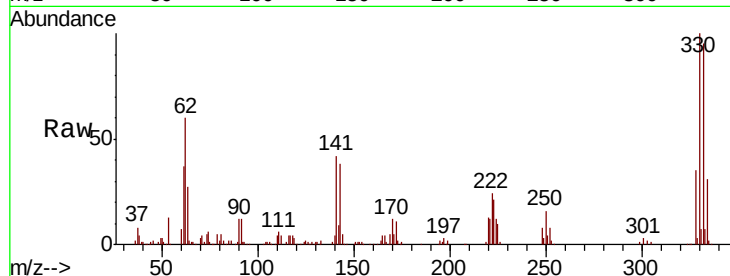




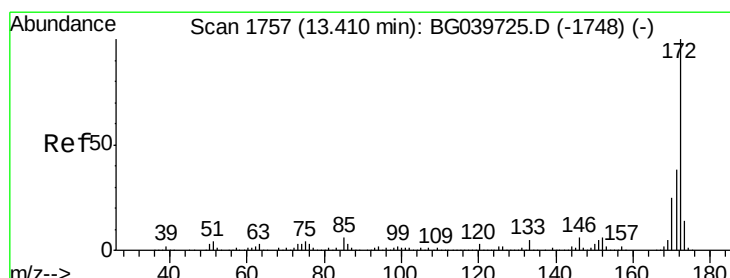
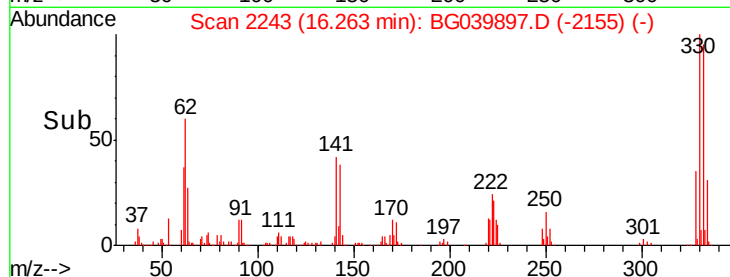
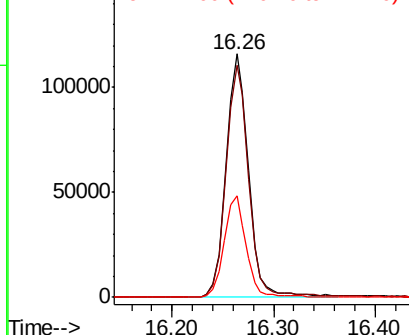
#42
 2,4,6-Tribromophenol
 Concen: 132.930 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG039897.D
 Acq: 13 Mar 2019 6:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 177873
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.7 113.5
 141 41.4 35.6 53.4

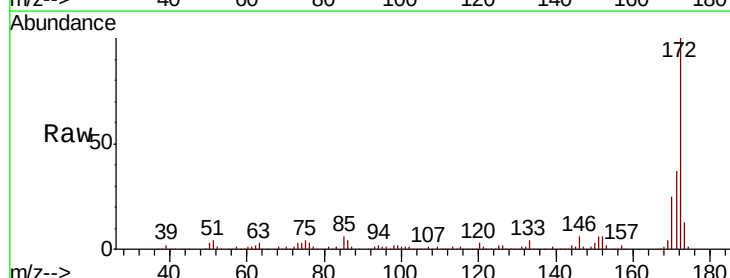


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

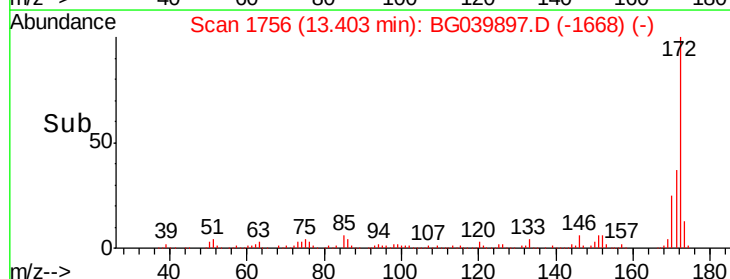
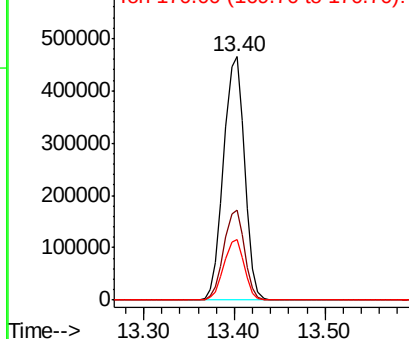


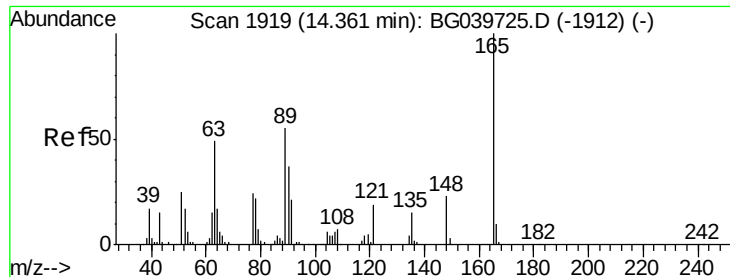
#45
 2-Fluorobiphenyl
 Concen: 92.839 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039897.D
 Acq: 13 Mar 2019 6:46

Tgt Ion:172 Resp: 748546
 Ion Ratio Lower Upper
 172 100
 171 37.2 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

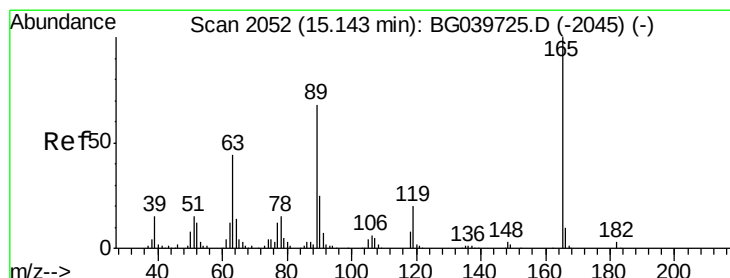
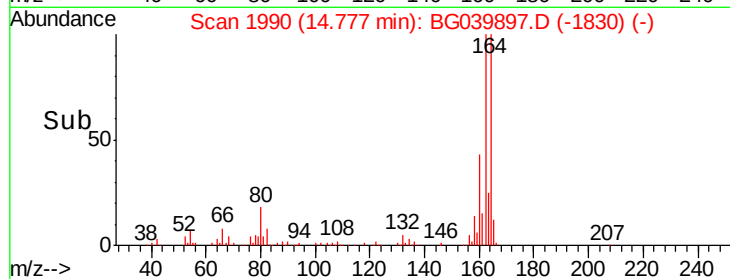
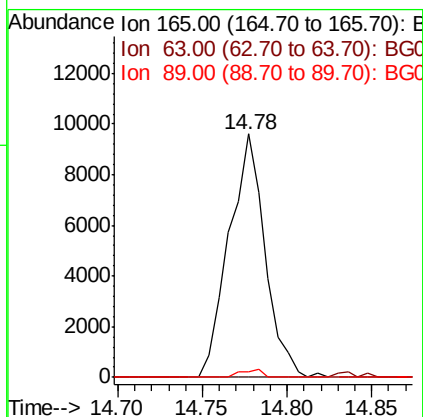
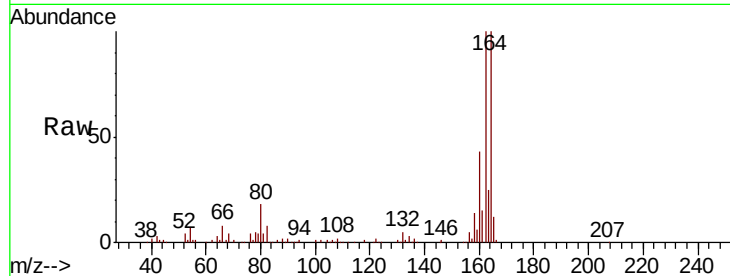




#51
 2,6-Dinitrotoluene
 Concen: 7.015 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039897.D
 Acq: 13 Mar 2019 6:46

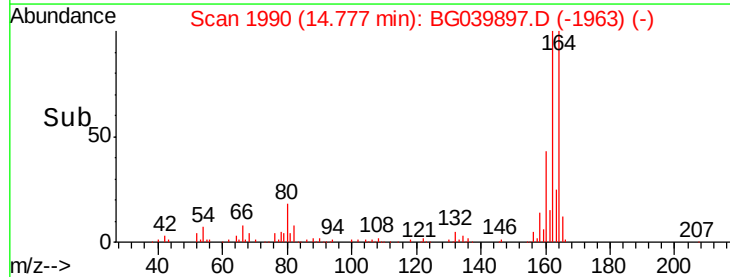
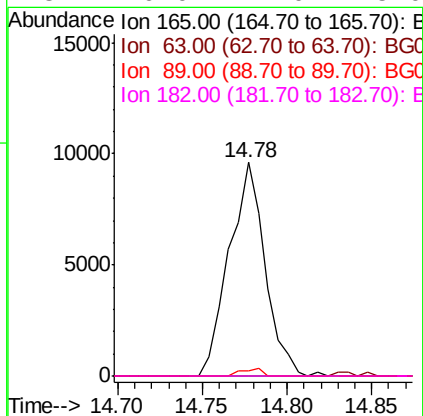
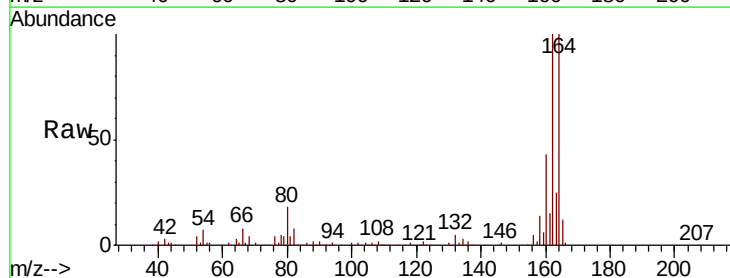
Instrument :
 BNA_G
 ClientSampleId :

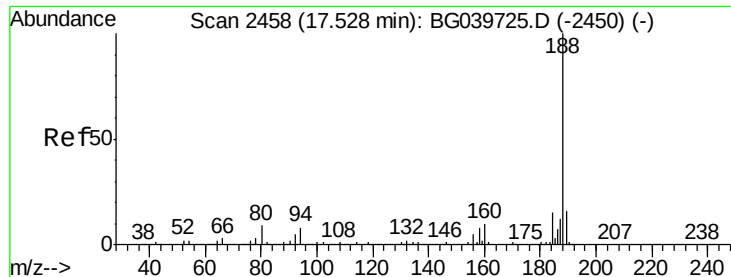
Tot Ion:165 Resp: 14276
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 2.2 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 4.992 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039897.D
 Acq: 13 Mar 2019 6:46

Tgt Ion:165 Resp: 14276
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 2.2 64.6 96.8#
 182 0.0 2.0 3.0#

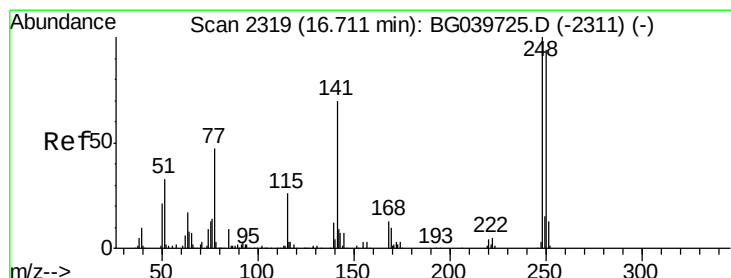
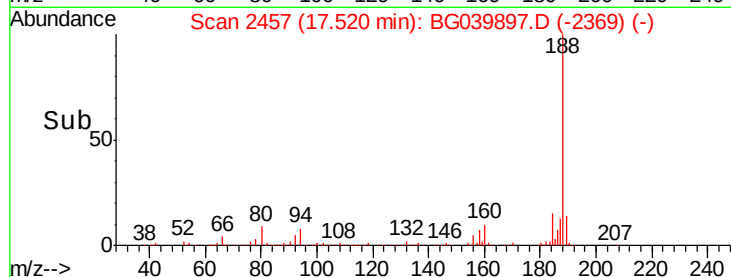
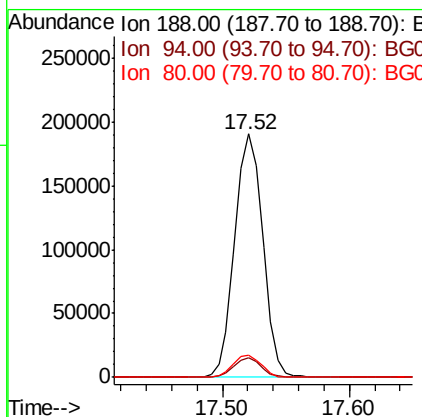
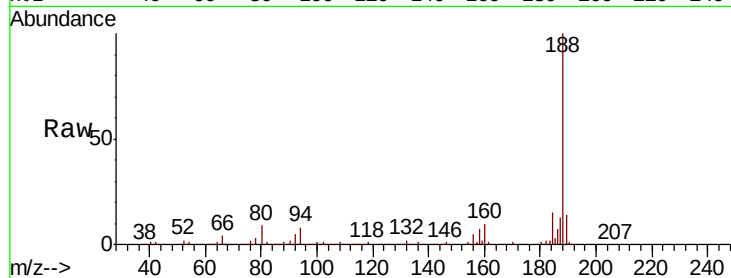




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG039897.D
 Acq: 13 Mar 2019 6:46

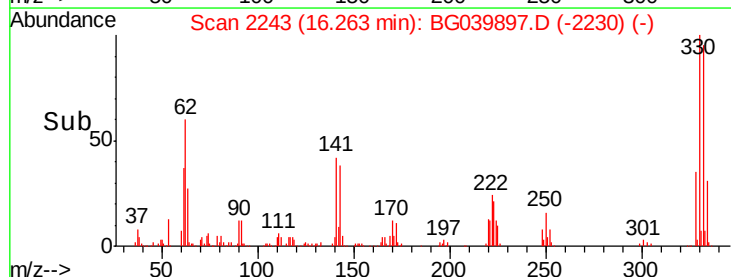
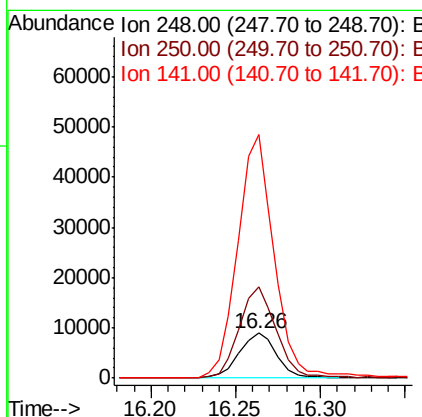
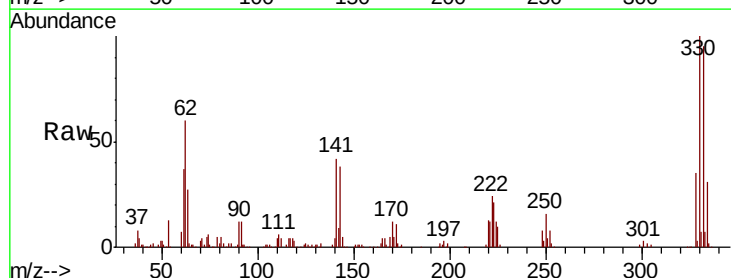
Instrument :
 BNA_G
 ClientSampleId :

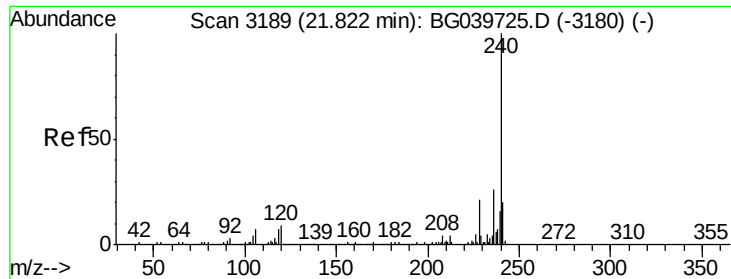
Tot Ion:188 Resp: 293374
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.9 10.3
 80 9.3 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.206 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039897.D
 Acq: 13 Mar 2019 6:46

Tgt Ion:248 Resp: 13811
 Ion Ratio Lower Upper
 248 100
 250 204.1 77.6 116.4#
 141 543.4 63.9 95.9#

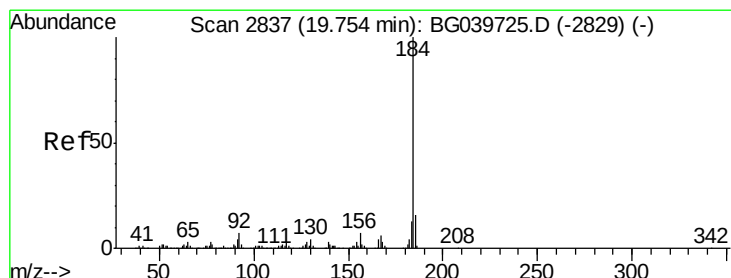
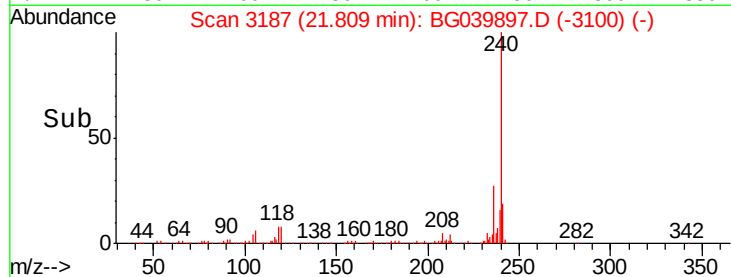
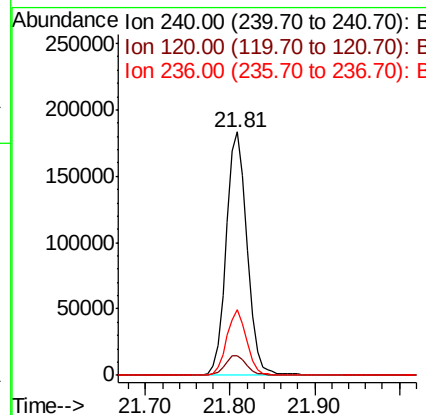
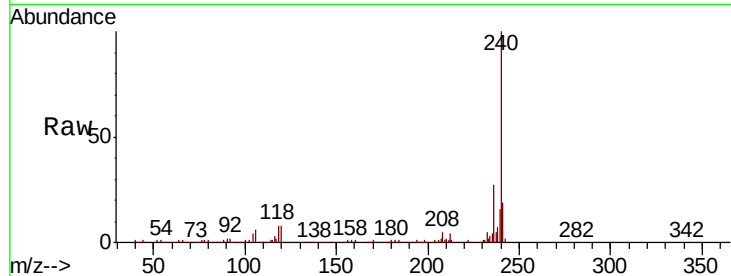




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039897.D
Acq: 13 Mar 2019 6:46

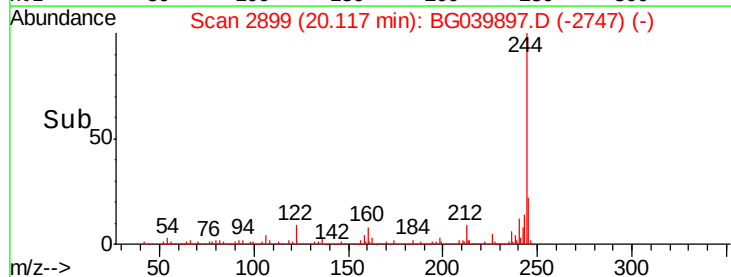
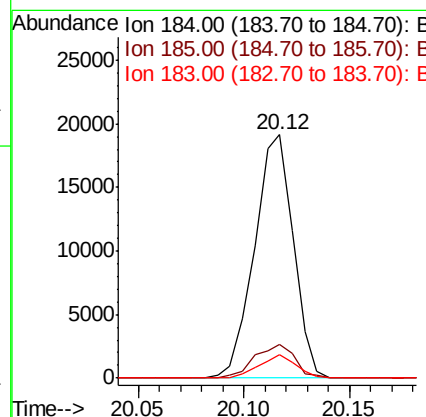
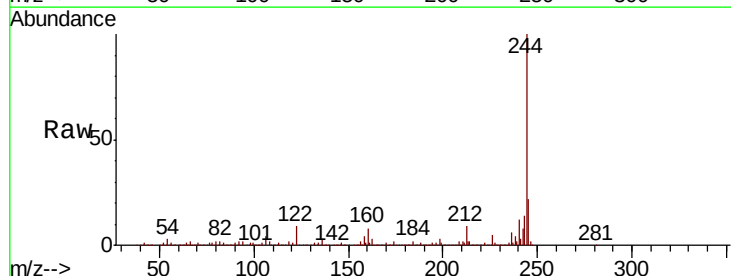
Instrument :
BNA_G
ClientSampled :

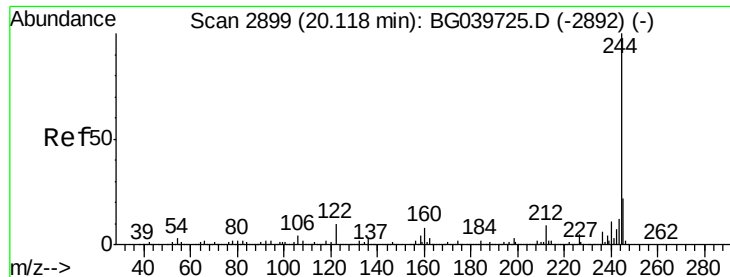
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	7.0	10.6
236	26.8	21.0	31.4



#77
Benzidine
Concen: 2.452 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.36 min
Lab File: BG039897.D
Acq: 13 Mar 2019 6:46

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.0	12.2	18.2
183	9.6	10.6	15.8#





#79

Terphenyl-d14

Concen: 95.912 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039897.D

Acq: 13 Mar 2019 6:46

Instrument :

BNA_G

ClientSampleId :

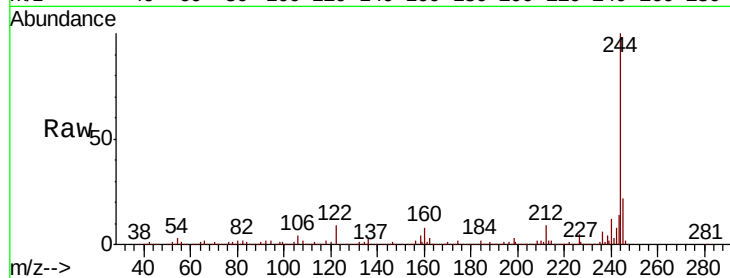
Tot Ion:244 Resp: 1364312

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.3	10.9
122	9.5	8.4	12.6

244 100

212 9.2 7.3 10.9

122 9.5 8.4 12.6

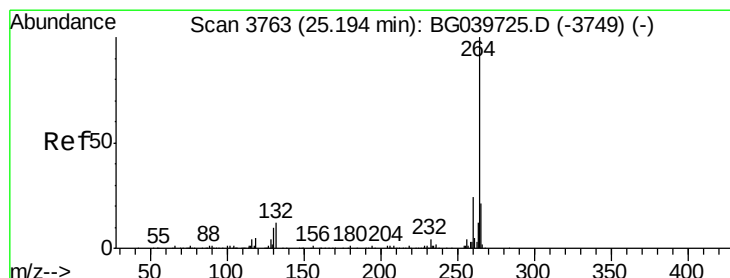
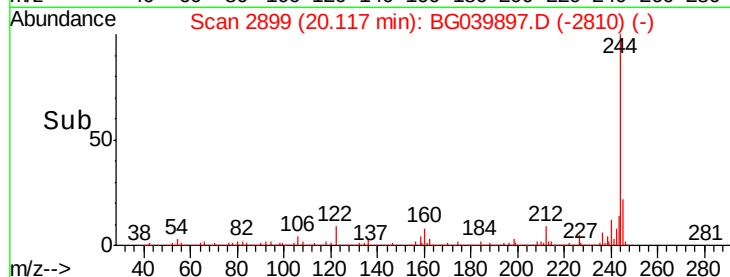
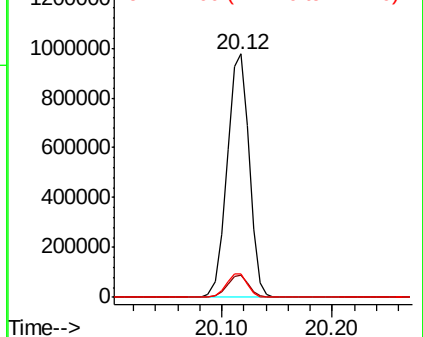


Abundance

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: 25.17 min Scan# 3760

Delta R.T. -0.03 min

Lab File: BG039897.D

Acq: 13 Mar 2019 6:46

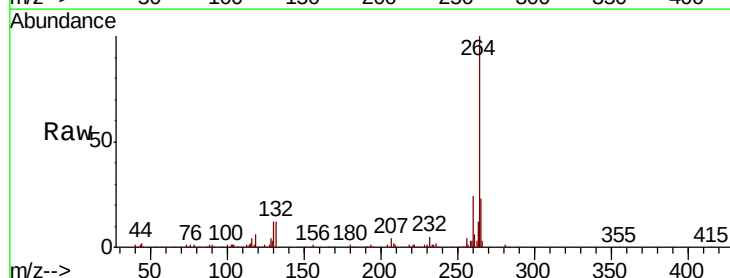
Tgt Ion:264 Resp: 287463

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	23.4	18.5	27.7

264 100

260 24.0 18.2 27.4

265 23.4 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

