

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121118\
 Data File : BG038490.D
 Acq On : 12 Dec 2018 5:49
 Operator : JU/SJ
 Sample : J6331-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Dec 12 07:08:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

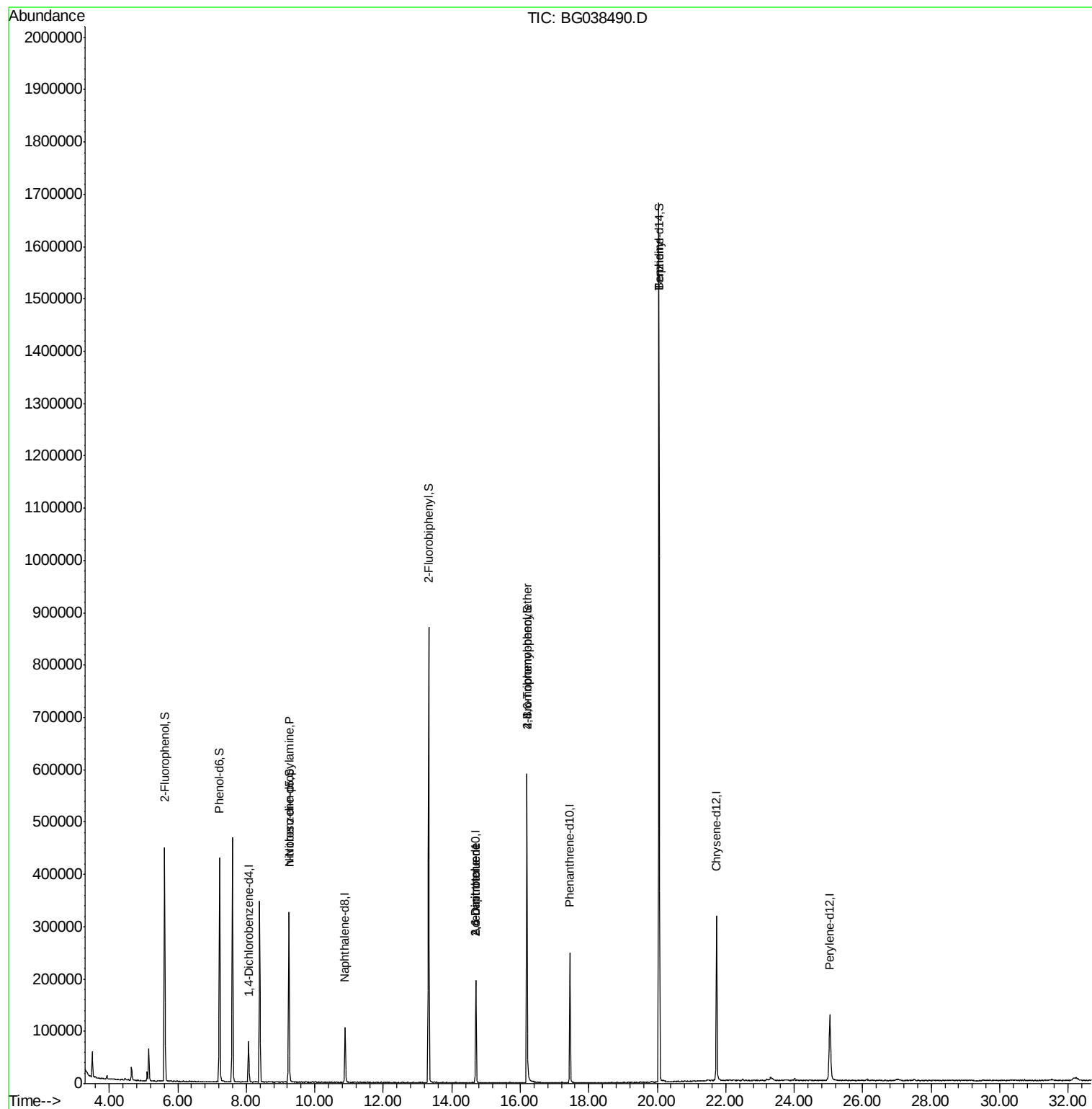
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22841	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	96026	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	68655	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	169031	20.00	ng	0.00
76) Chrysene-d12	21.73	240	195728	20.00	ng	-0.01
87) Perylene-d12	25.04	264	168173	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	190858	147.87	ng	0.00
7) Phenol-d6	7.22	99	243483	130.52	ng	0.00
23) Nitrobenzene-d5	9.25	82	190751	98.62	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	123713	146.78	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	476846	98.97	ng	0.00
79) Terphenyl-d14	20.05	244	852949	93.36	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	25642	17.629	ng	# 81
22) Acetophenone	8.90	105	123	Below Cal		# 20
51) 2,6-Dinitrotoluene	14.70	165	8296	6.595	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	8296	4.782	ng	# 25
67) 4-Bromophenyl-phenylether	16.19	248	8427	4.617	ng	# 1
77) Benzidine	20.05	184	14882	2.253	ng	# 94

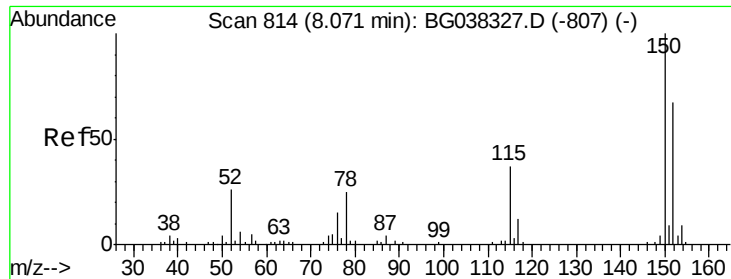
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

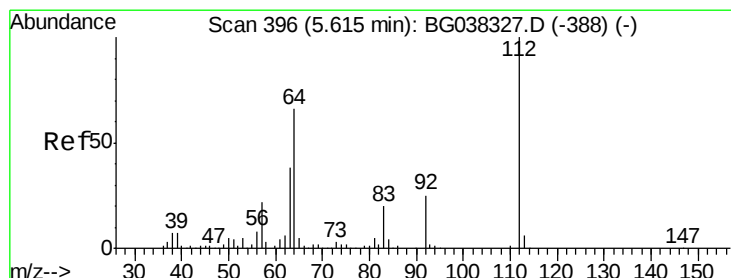
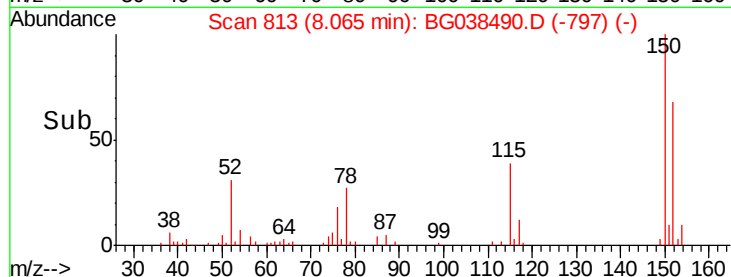
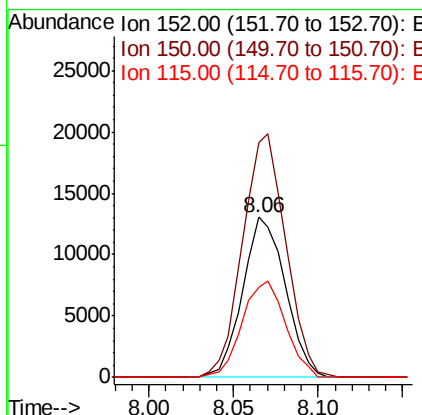
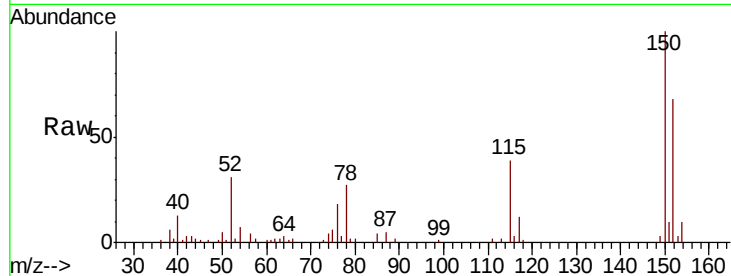




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG038490.D
 Acq: 12 Dec 2018 5:49

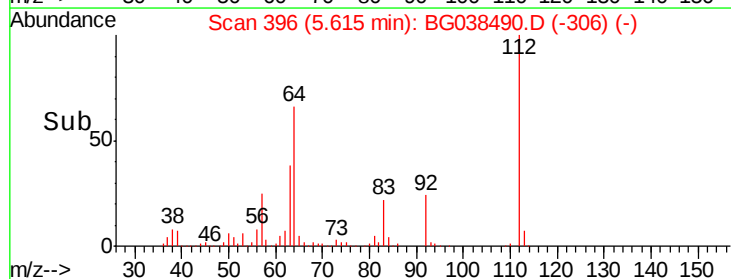
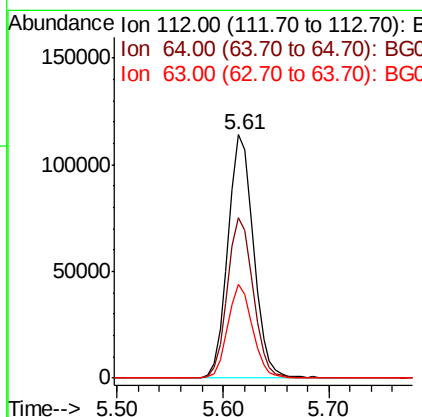
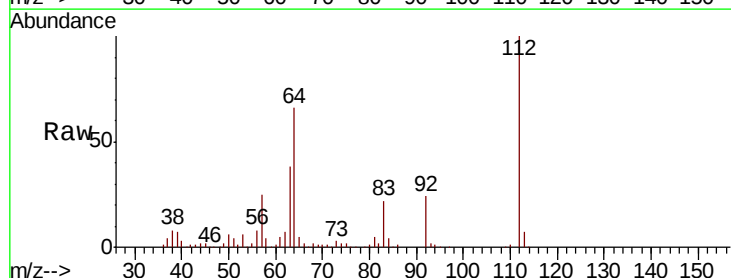
Instrument :
 BNA_G
 ClientSampled :
 TP-2

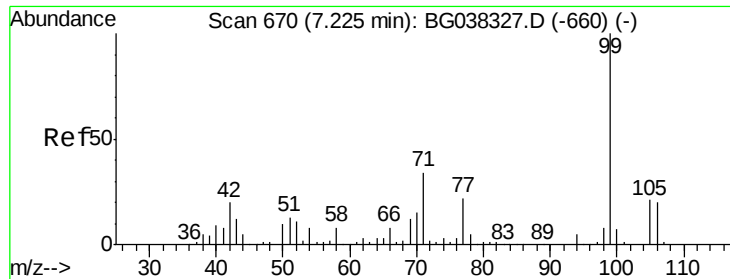
Tgt Ion:152 Resp: 22841
 Ion Ratio Lower Upper
 152 100
 150 146.1 126.0 189.0
 115 56.3 45.5 68.3



#5
 2-Fluorophenol
 Concen: 147.870 ng
 RT: 5.61 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG038490.D
 Acq: 12 Dec 2018 5:49

Tgt Ion:112 Resp: 190858
 Ion Ratio Lower Upper
 112 100
 64 65.8 53.1 79.7
 63 38.4 27.3 40.9





#7

Phenol-d6

Concen: 130.518 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038490.D

Acq: 12 Dec 2018 5:49

Instrument :

BNA_G

ClientSampleId :

TP-2

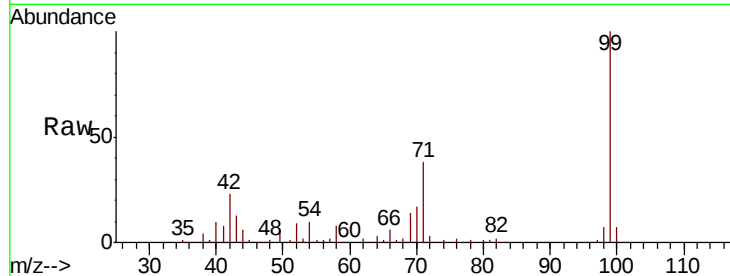
Tgt Ion: 99 Resp: 243483

Ion Ratio Lower Upper

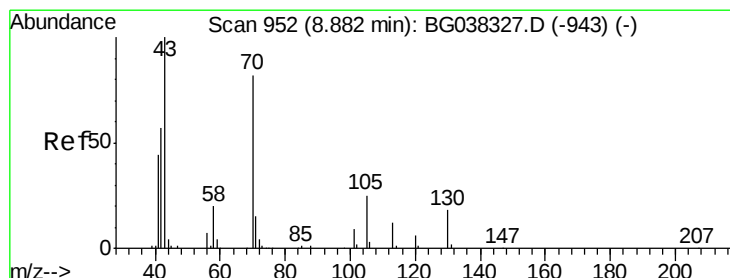
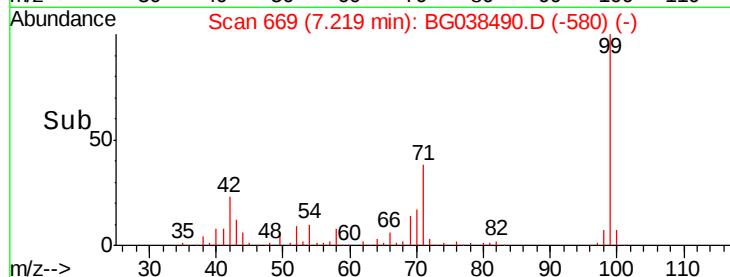
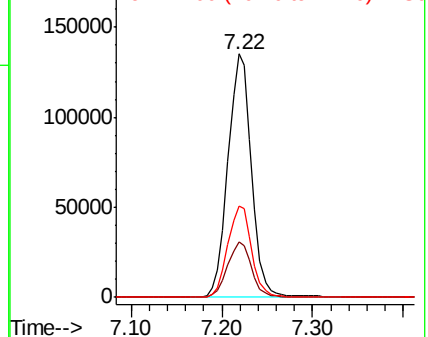
99 100

42 22.6 15.0 22.4#

71 37.6 25.5 38.3



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: 17.629 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.36 min

Lab File: BG038490.D

Acq: 12 Dec 2018 5:49

Tgt Ion: 70 Resp: 25642

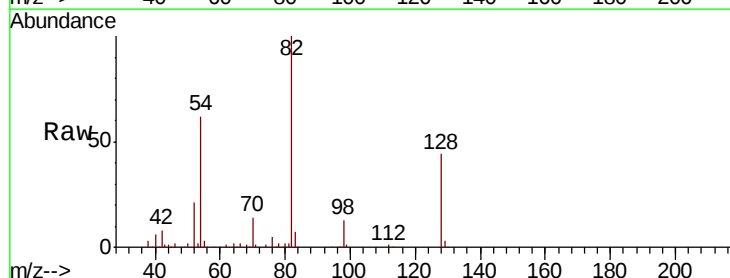
Ion Ratio Lower Upper

70 100

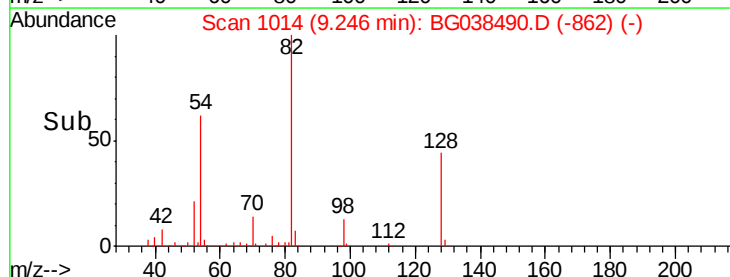
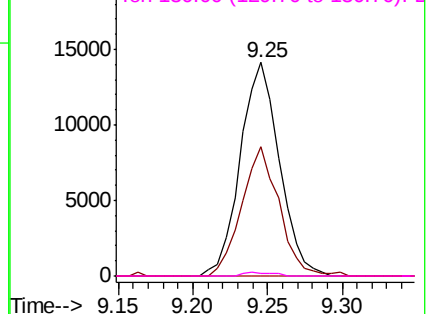
42 60.4 53.9 80.9

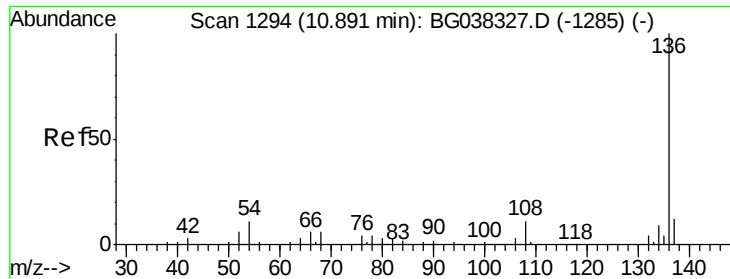
101 0.0 8.2 12.2#

130 1.5 18.2 27.4#



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

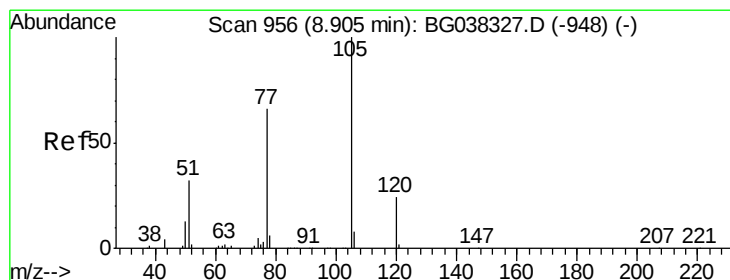
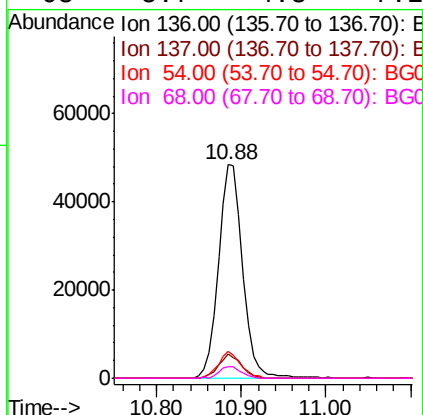
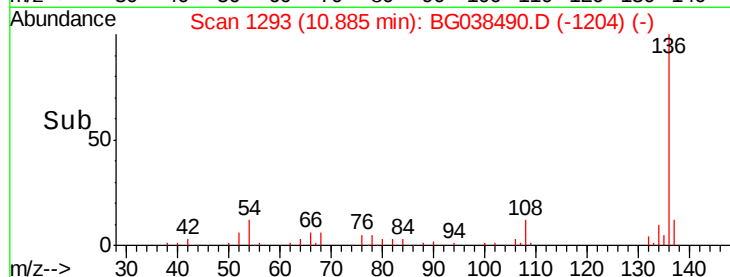
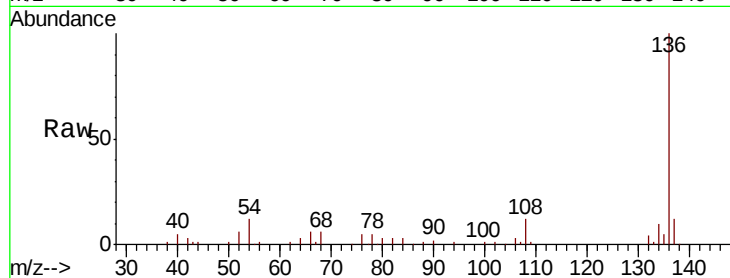




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038490.D
Acq: 12 Dec 2018 5:49

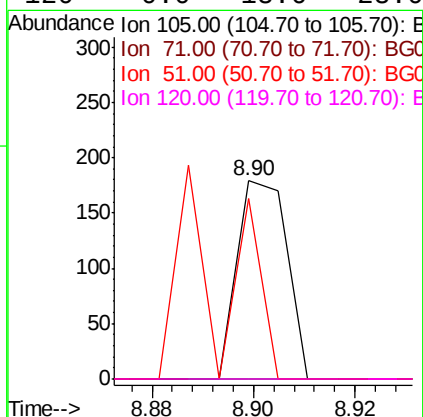
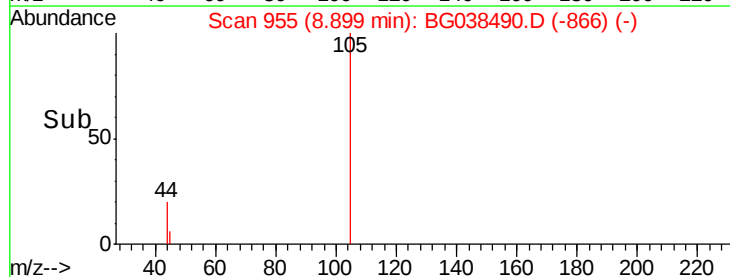
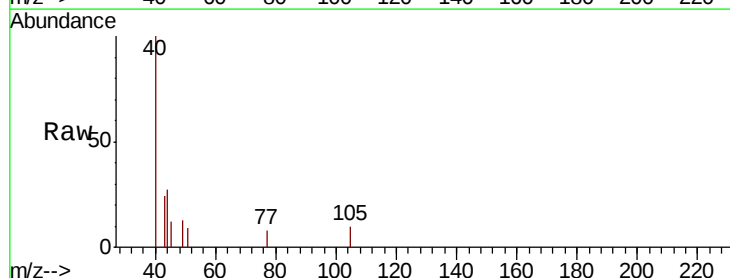
Instrument :
BNA_G
ClientSampleId :
TP-2

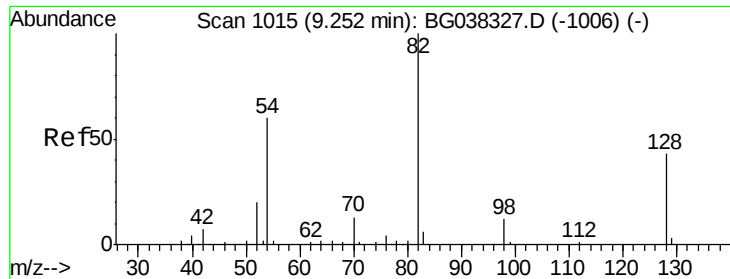
Tgt Ion:	136	Resp:	96026
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	12.3	7.9	11.9#
68	5.7	4.8	7.2



#22
Acetophenone
Concen: Below Cal
RT: 8.90 min Scan# 955
Delta R.T. -0.01 min
Lab File: BG038490.D
Acq: 12 Dec 2018 5:49

Tgt Ion:	105	Resp:	123
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	91.1	25.0	37.6#
120	0.0	18.6	28.0#

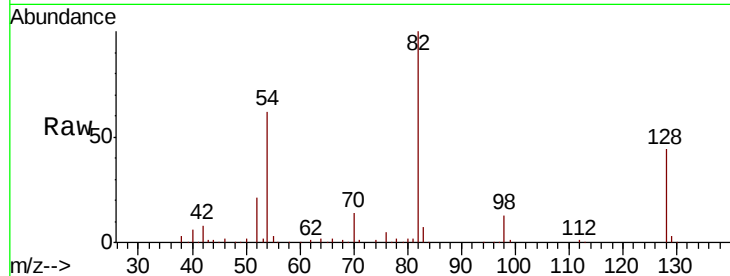




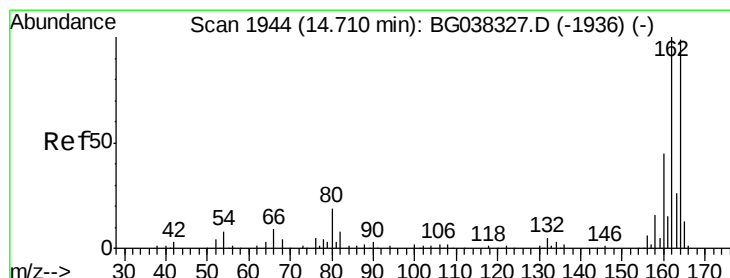
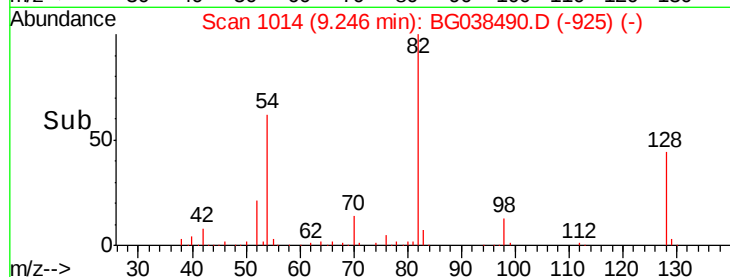
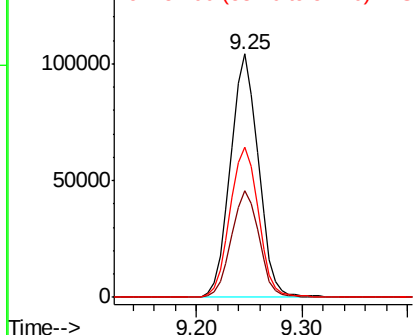
#23
 Nitrobenzene-d5
 Concen: 98.623 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BG038490.D
 Acq: 12 Dec 2018 5:49

Instrument :
 BNA_G
 ClientSampled :
 TP-2

Tgt Ion: 82 Resp: 190751
 Ion Ratio Lower Upper
 82 100
 128 44.0 34.6 51.8
 54 61.7 45.3 67.9

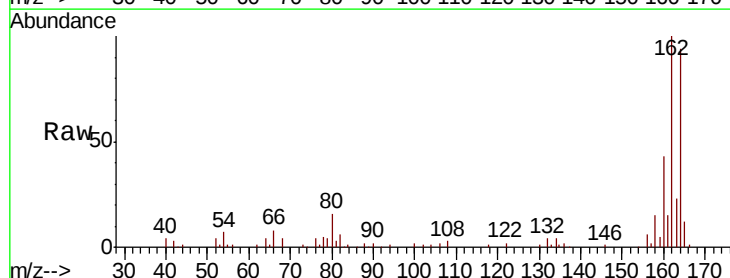


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

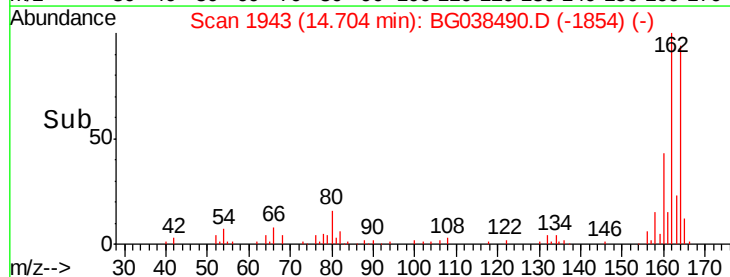
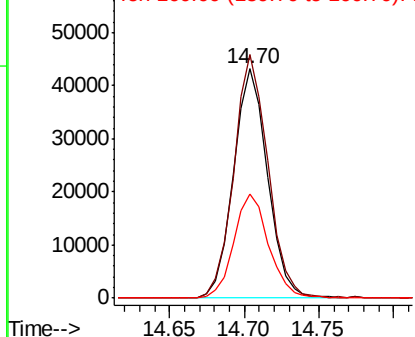


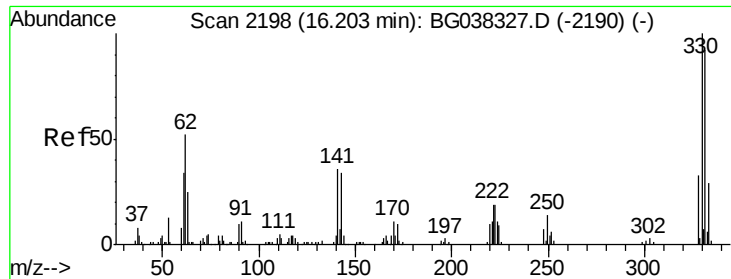
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: BG038490.D
 Acq: 12 Dec 2018 5:49

Tgt Ion: 164 Resp: 68655
 Ion Ratio Lower Upper
 164 100
 162 106.1 81.3 121.9
 160 45.6 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 146.784 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038490.D

Acq: 12 Dec 2018 5:49

Instrument :

BNA_G

ClientSampled :

TP-2

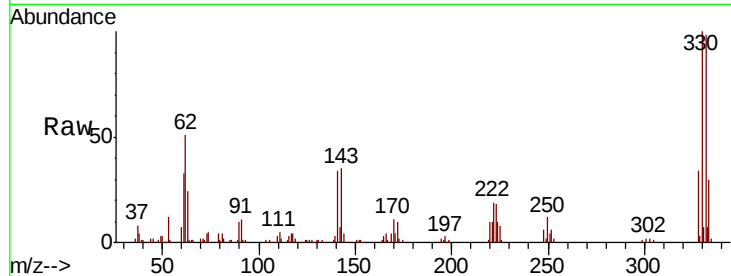
Tgt Ion:330 Resp: 123713

Ion Ratio Lower Upper

330 100

332 98.0 78.4 117.6

141 36.9 32.2 48.2

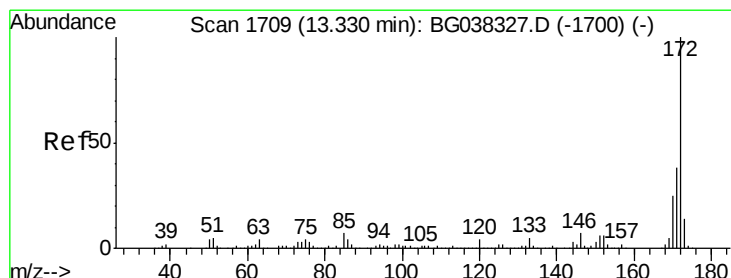
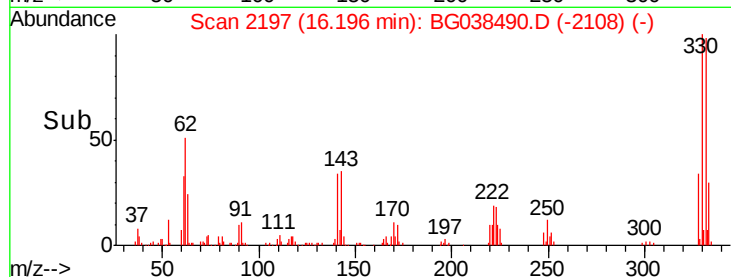
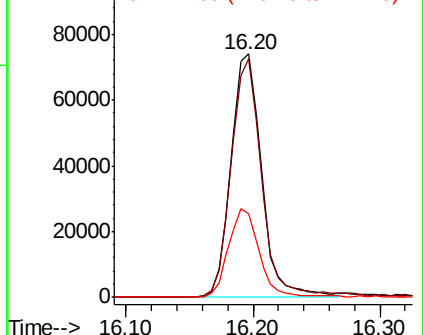


Abundance

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: 98.968 ng

RT: 13.32 min Scan# 1708

Delta R.T. -0.01 min

Lab File: BG038490.D

Acq: 12 Dec 2018 5:49

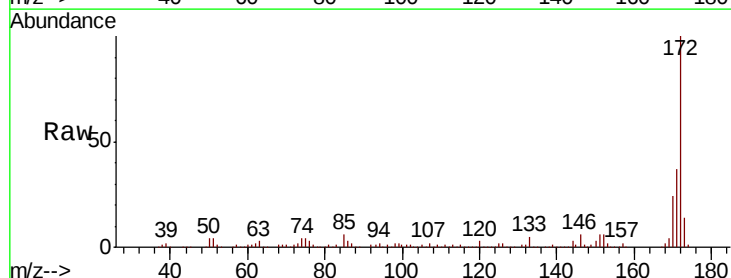
Tgt Ion:172 Resp: 476846

Ion Ratio Lower Upper

172 100

171 36.8 31.0 46.4

170 24.3 20.2 30.2

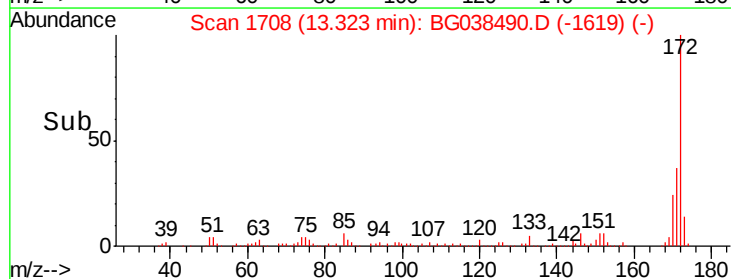
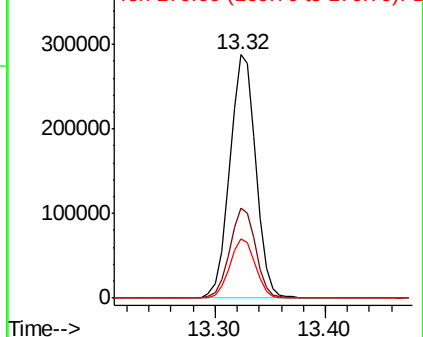


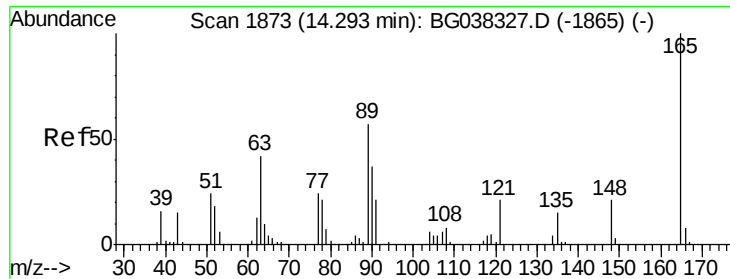
Abundance

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

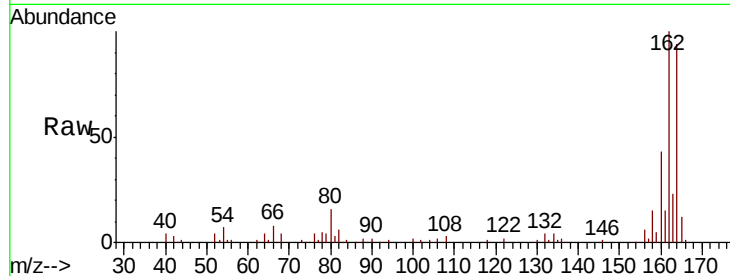




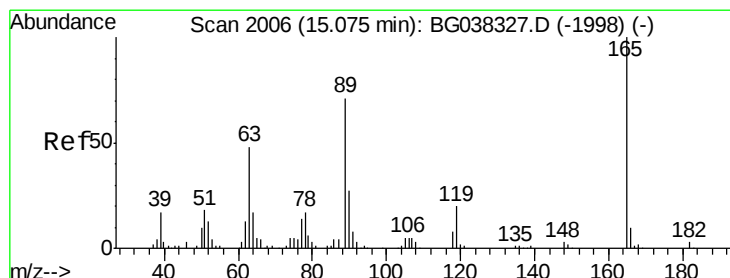
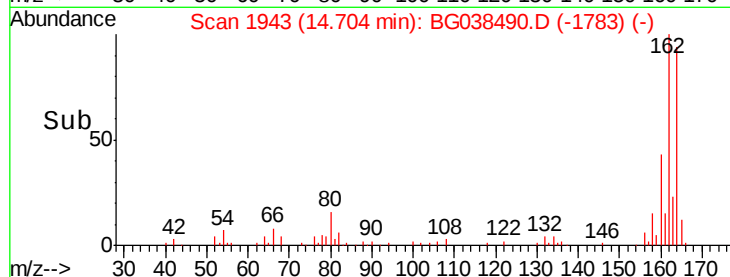
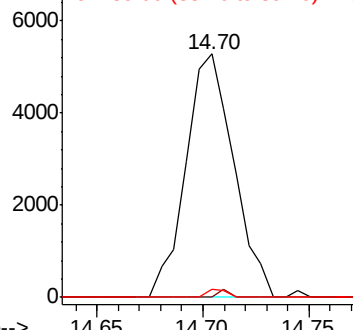
#51
 2,6-Dinitrotoluene
 Concen: 6.595 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038490.D
 Acq: 12 Dec 2018 5:49

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	3.1	45.8	68.6#

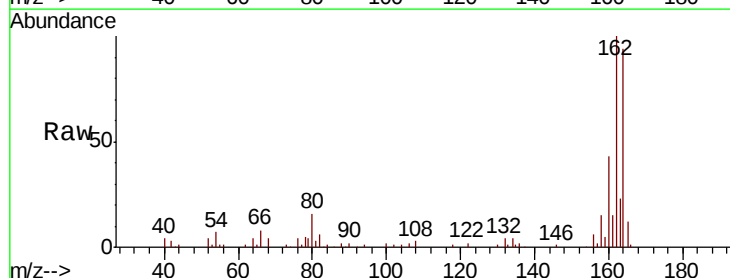


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

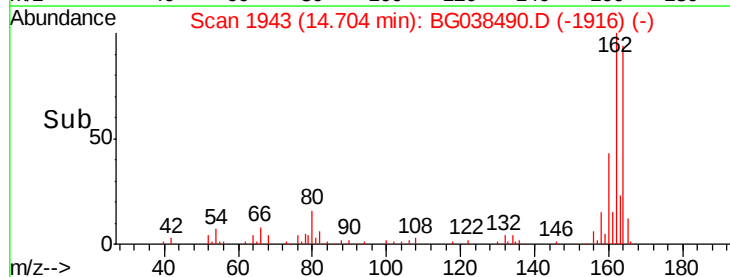
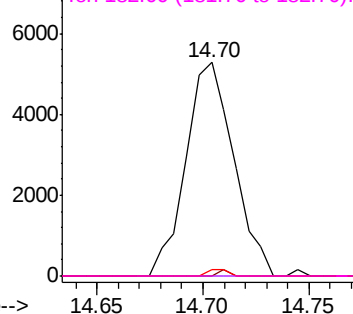


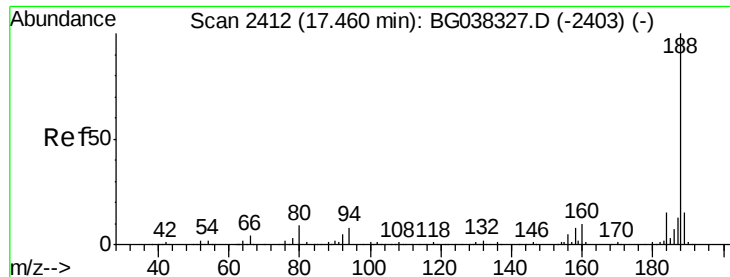
#57
 2,4-Dinitrotoluene
 Concen: 4.782 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038490.D
 Acq: 12 Dec 2018 5:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	3.1	57.2	85.8#
182	0.0	2.6	4.0#



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

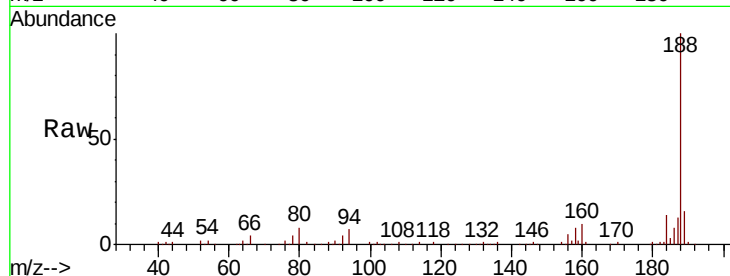




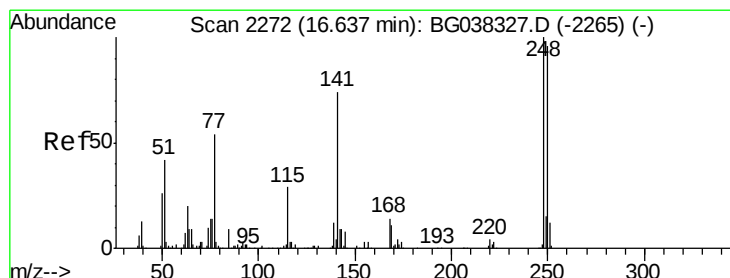
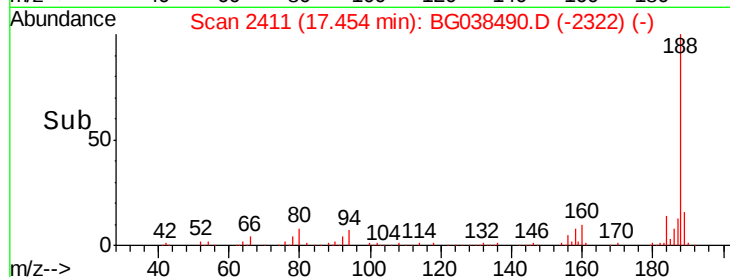
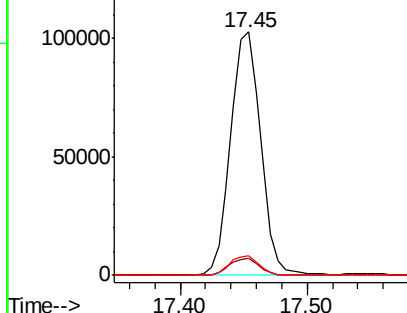
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038490.D
 Acq: 12 Dec 2018 5:49

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Tgt Ion:188 Resp: 169031
 Ion Ratio Lower Upper
 188 100
 94 7.0 7.2 10.8#
 80 7.8 7.7 11.5

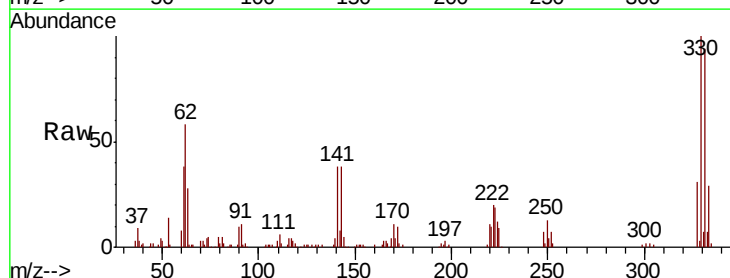


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

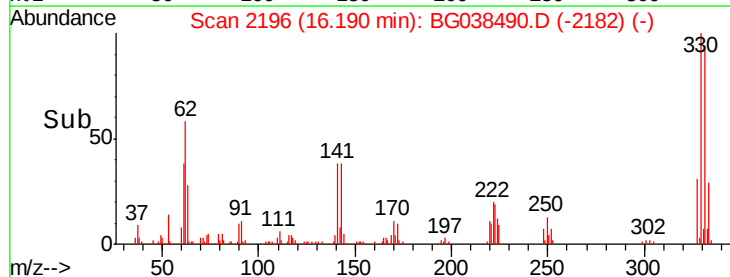
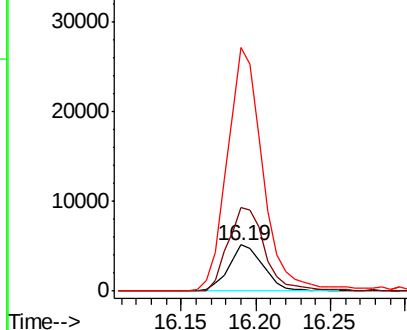


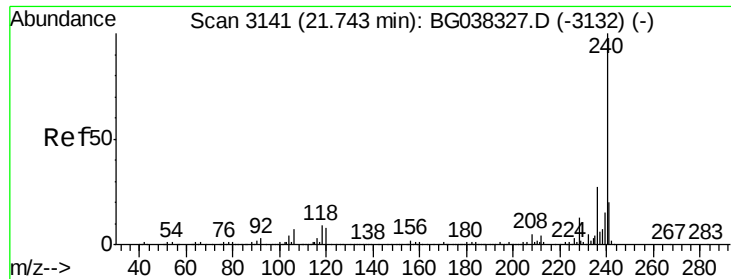
#67
 4-Bromophenyl-phenylether
 Concen: 4.617 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.45 min
 Lab File: BG038490.D
 Acq: 12 Dec 2018 5:49

Tgt Ion:248 Resp: 8427
 Ion Ratio Lower Upper
 248 100
 250 187.0 77.0 115.6#
 141 410.7 55.5 83.3#



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

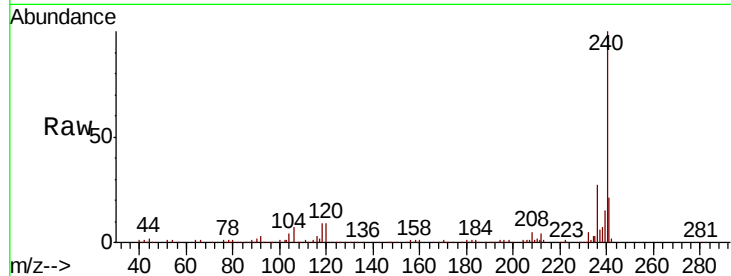




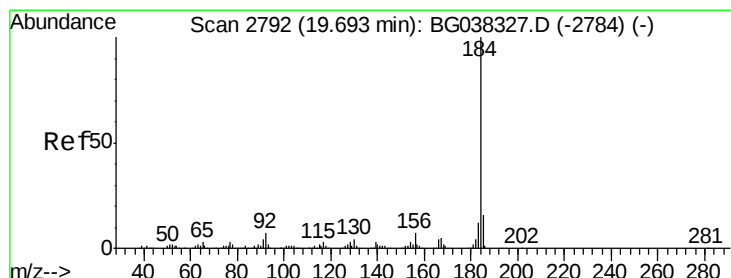
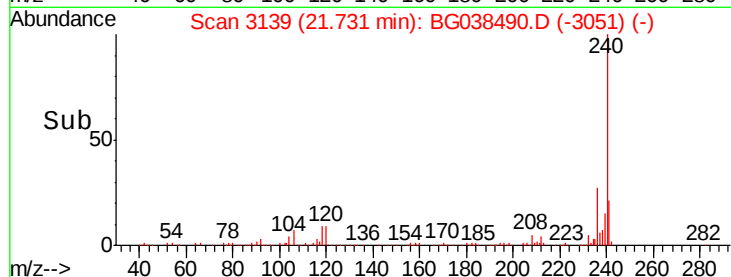
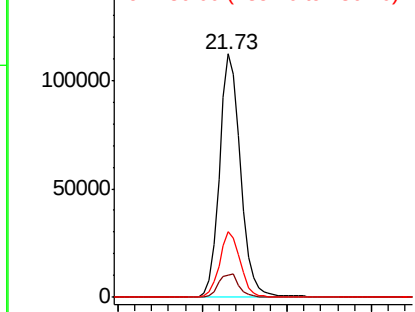
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038490.D
Acq: 12 Dec 2018 5:49

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.1	12.1
236	26.9	21.4	32.0

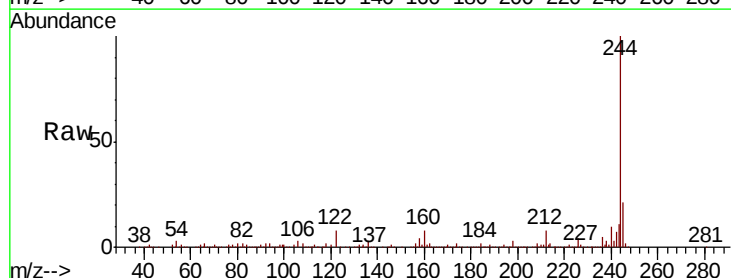


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

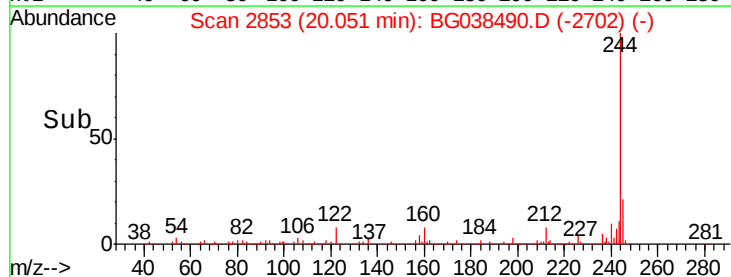
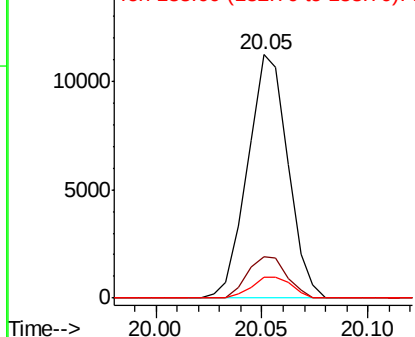


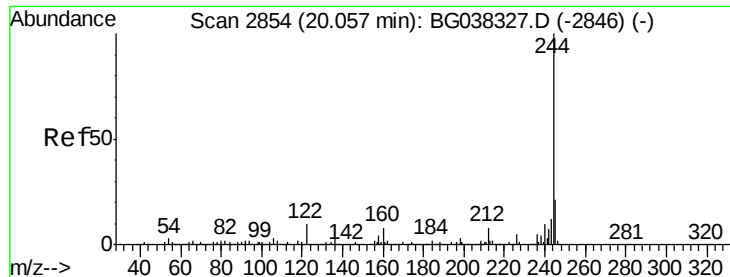
#77
Benzidine
Concen: 2.253 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038490.D
Acq: 12 Dec 2018 5:49

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.7	12.6	18.8
183	8.7	10.2	15.2#



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: 93.356 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038490.D

Acq: 12 Dec 2018 5:49

Instrument :

BNA_G

ClientSampleId :

TP-2

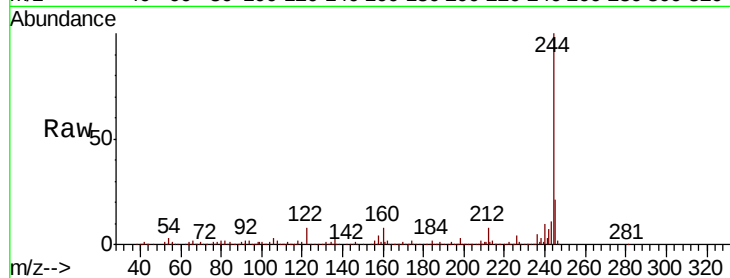
Tgt Ion:244 Resp: 852949

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

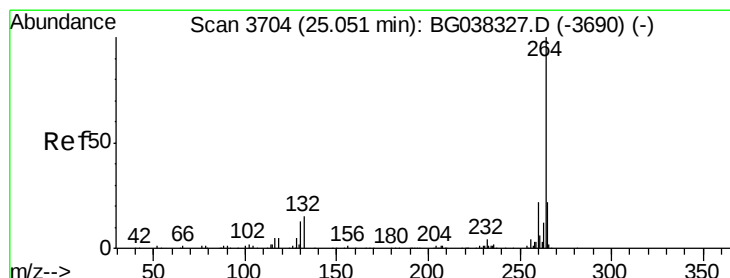
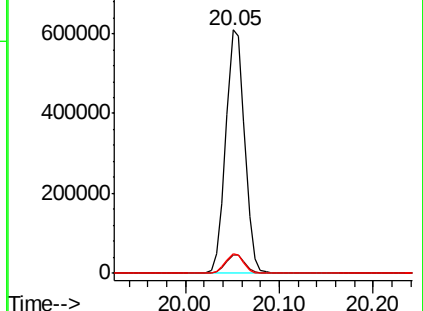
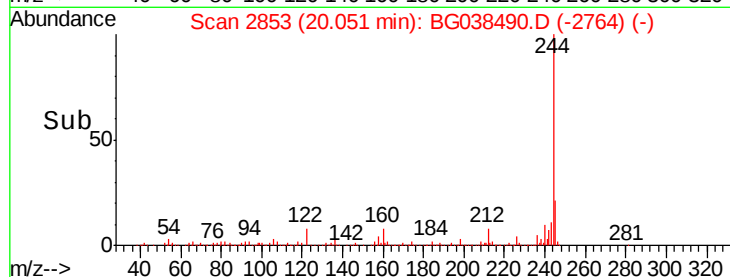
122 8.1 9.0 13.4#



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: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038490.D

Acq: 12 Dec 2018 5:49

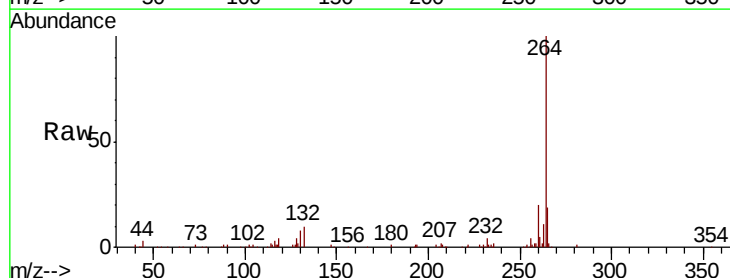
Tgt Ion:264 Resp: 168173

Ion Ratio Lower Upper

264 100

260 20.1 18.2 27.4

265 19.4 17.9 26.9



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

