

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121118\
 Data File : BG038491.D
 Acq On : 12 Dec 2018 6:28
 Operator : JU/SJ
 Sample : J6331-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Dec 12 07:09:58 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

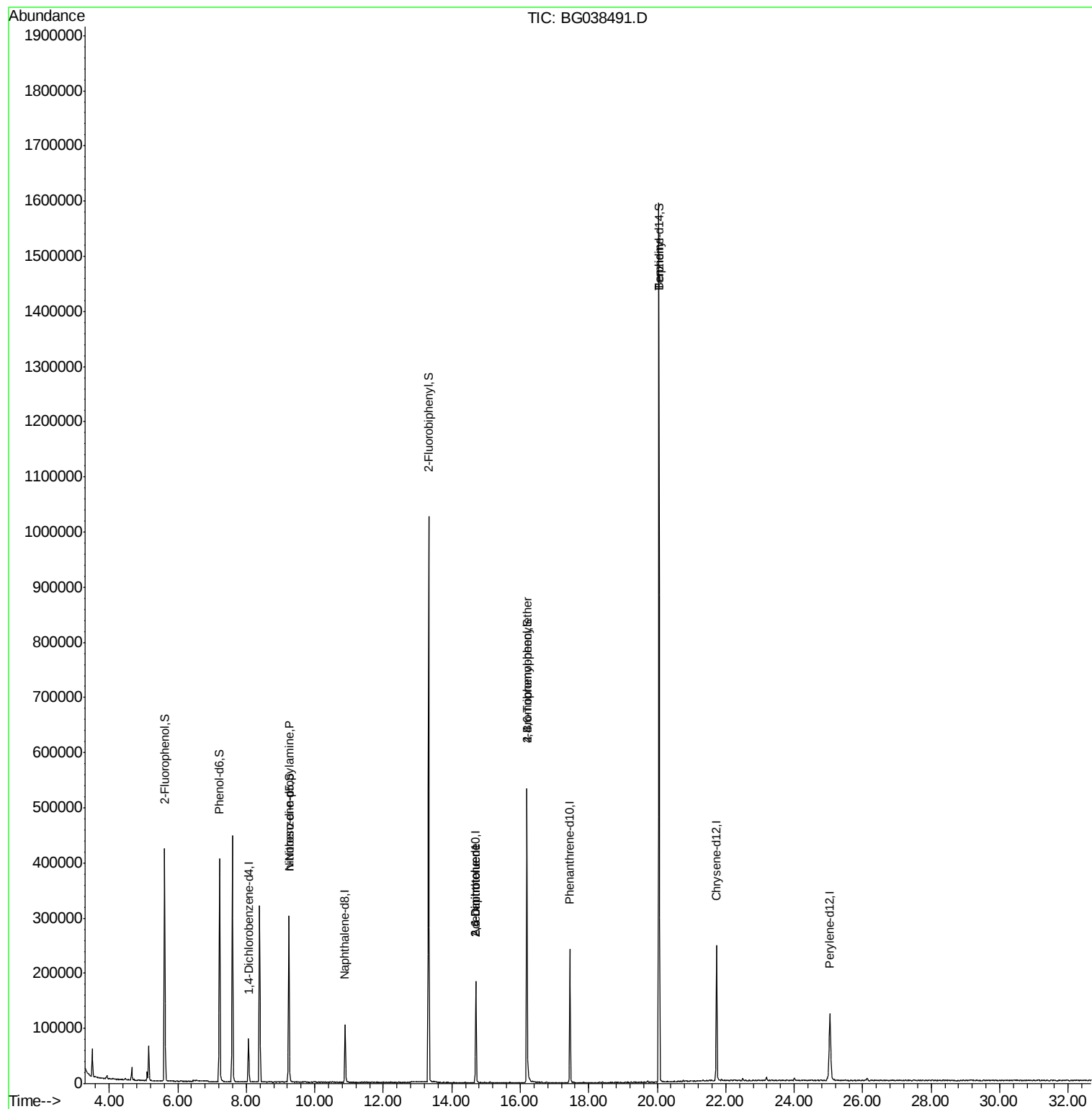
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22206	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	96293	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	67083	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	164851	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	165089	20.00	ng	-0.01
87) Perylene-d12	25.04	264	167712	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	180341	143.72	ng	0.00
7) Phenol-d6	7.22	99	229088	126.31	ng	0.00
23) Nitrobenzene-d5	9.25	82	181566	93.61	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	114453	138.98	ng	-0.01
45) 2-Fluorobiphenyl	13.32	172	552501	117.36	ng	0.00
79) Terphenyl-d14	20.05	244	796575	103.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	24557	17.333	ng	Qvalue # 73
22) Acetophenone	8.90	105	120	Below Cal		# 48
51) 2,6-Dinitrotoluene	14.70	165	8707	7.084	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	8707	5.136	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	7444	4.182	ng	# 1
77) Benzidine	20.05	184	14165	2.543	ng	# 92

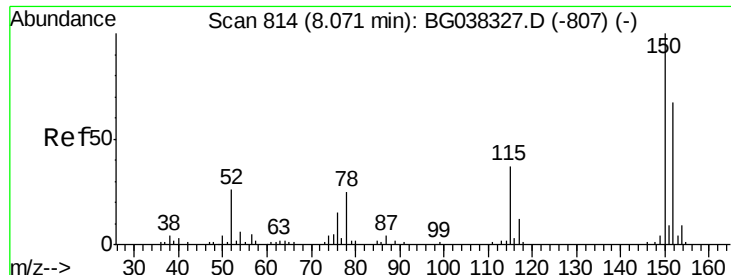
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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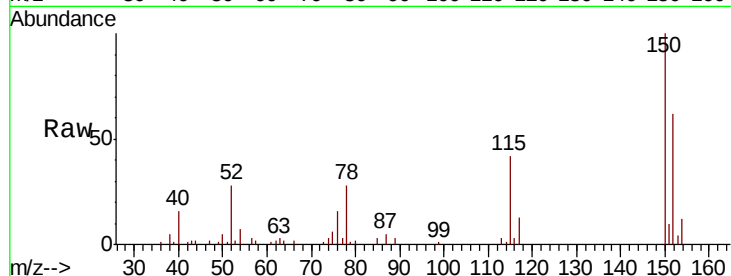


#1

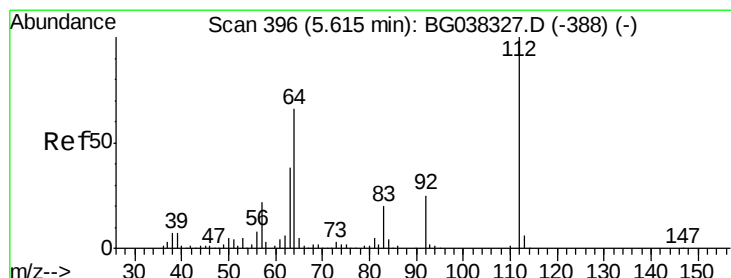
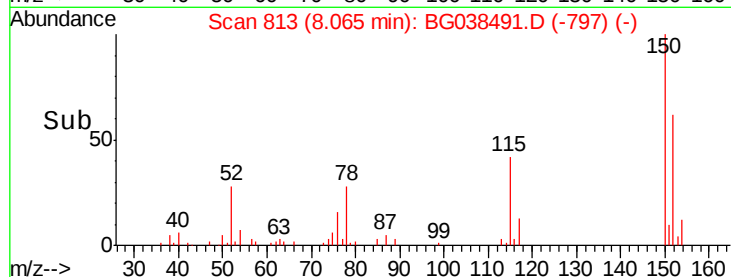
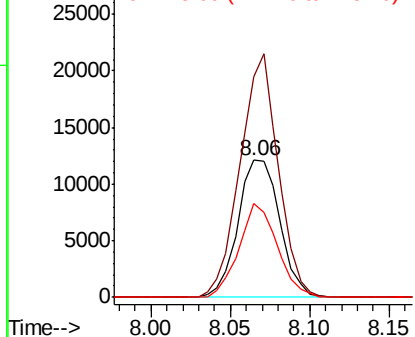
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG038491.D
Acq: 12 Dec 2018 6:28

Instrument :
BNA_G
ClientSampled :
TP-3

Tgt Ion:152 Resp: 22206
Ion Ratio Lower Upper
152 100
150 161.0 126.0 189.0
115 68.2 45.5 68.3



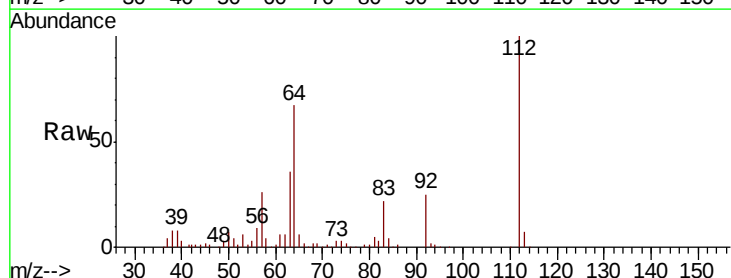
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



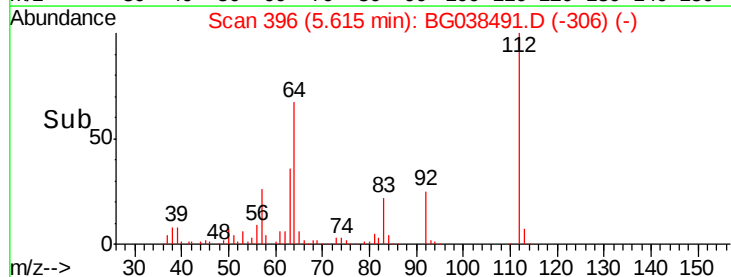
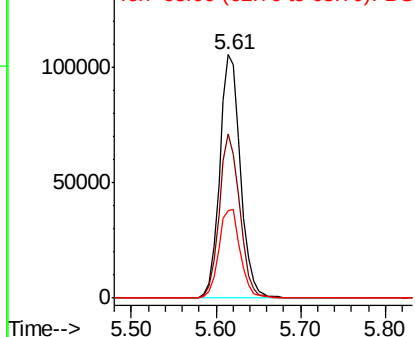
#5

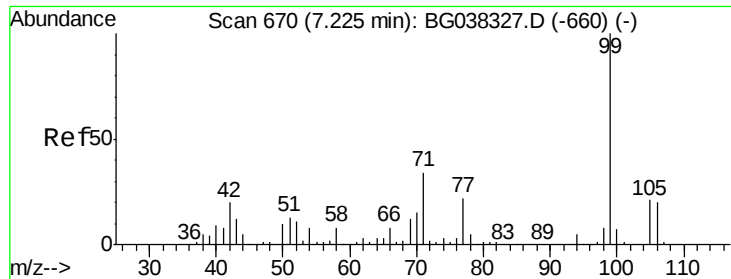
2-Fluorophenol
Concen: 143.718 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG038491.D
Acq: 12 Dec 2018 6:28

Tgt Ion:112 Resp: 180341
Ion Ratio Lower Upper
112 100
64 67.2 53.1 79.7
63 36.2 27.3 40.9



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: 126.313 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038491.D

Acq: 12 Dec 2018 6:28

Instrument :

BNA_G

ClientSampleId :

TP-3

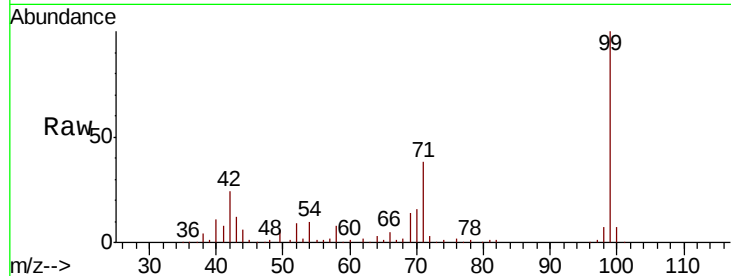
Tgt Ion: 99 Resp: 229088

Ion Ratio Lower Upper

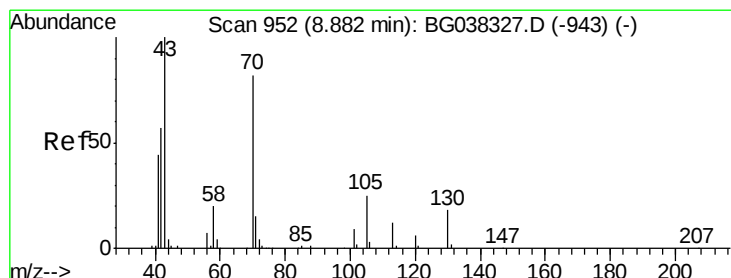
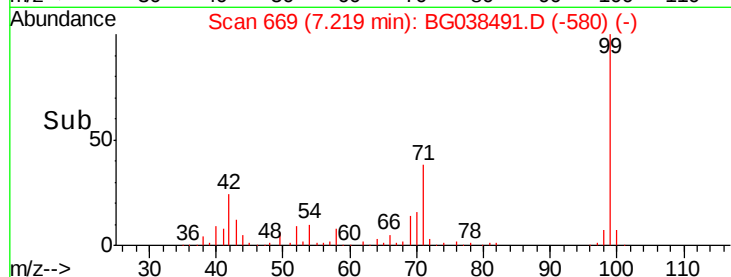
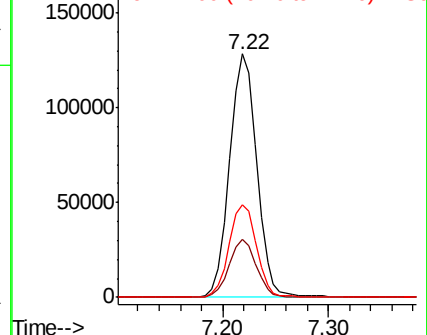
99 100

42 23.8 15.0 22.4#

71 37.9 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: 17.333 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.36 min

Lab File: BG038491.D

Acq: 12 Dec 2018 6:28

Tgt Ion: 70 Resp: 24557

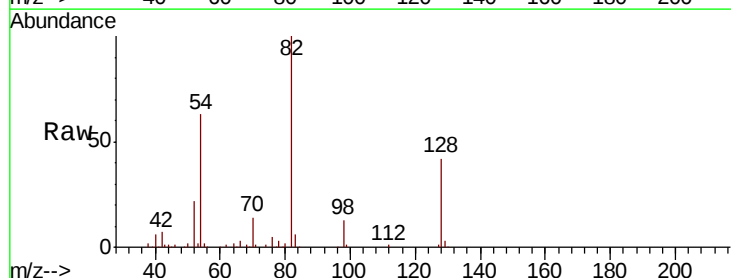
Ion Ratio Lower Upper

70 100

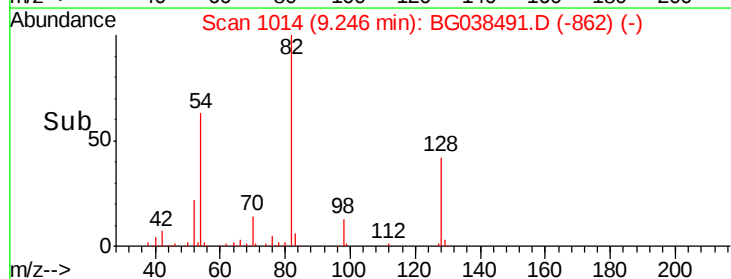
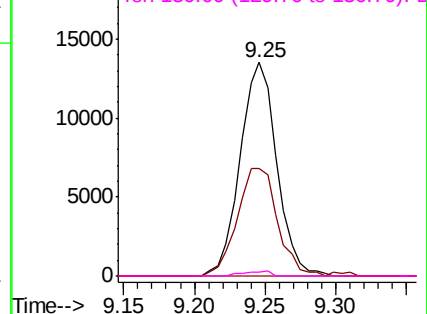
42 50.4 53.9 80.9#

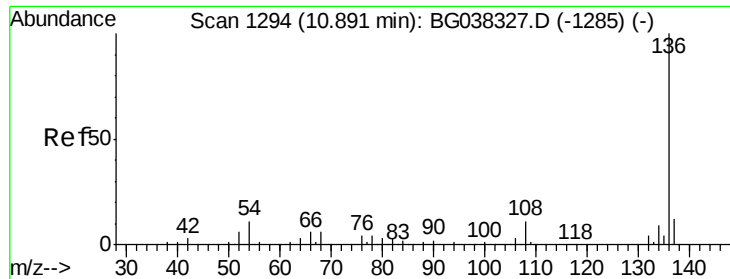
101 0.0 8.2 12.2#

130 1.6 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

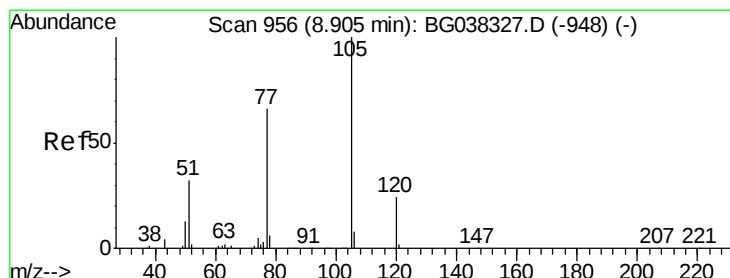
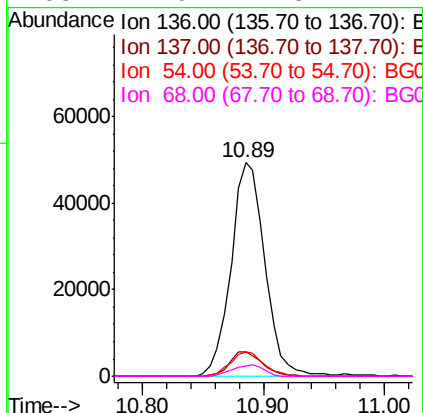
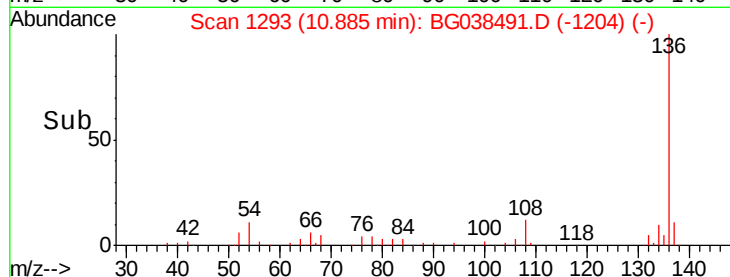
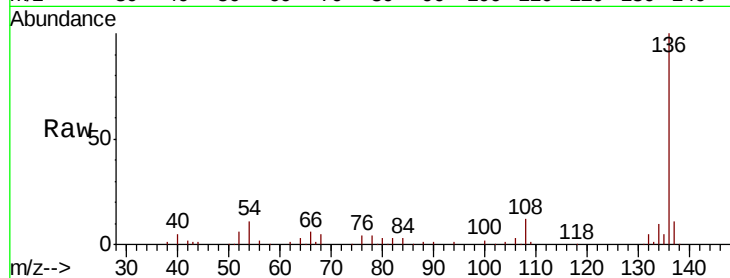




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038491.D
Acq: 12 Dec 2018 6:28

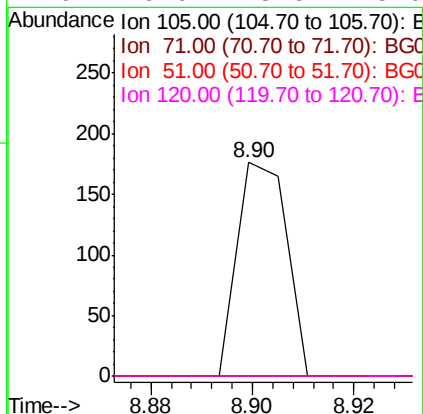
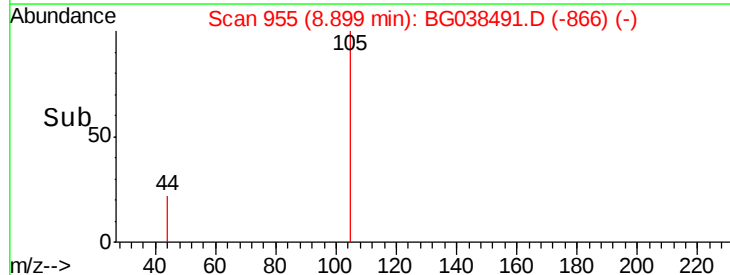
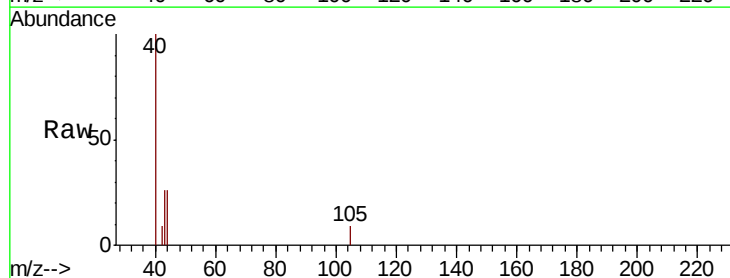
Instrument :
BNA_G
ClientSampleId :
TP-3

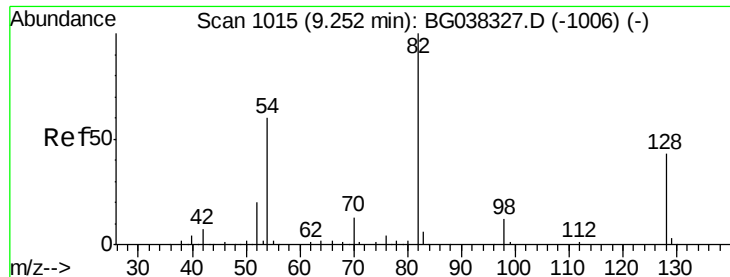
Tgt Ion:	136	Resp:	96293
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	11.5	7.9	11.9
68	4.9	4.8	7.2



#22
Acetophenone
Concen: Below Cal
RT: 8.90 min Scan# 955
Delta R.T. -0.01 min
Lab File: BG038491.D
Acq: 12 Dec 2018 6:28

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

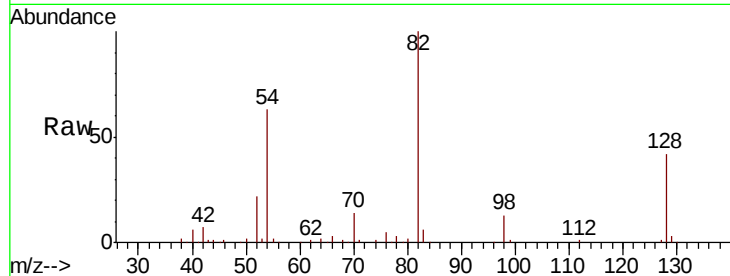




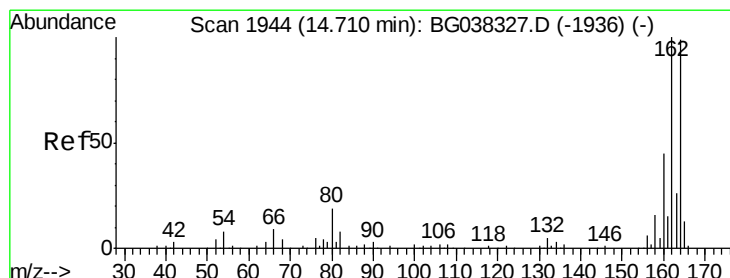
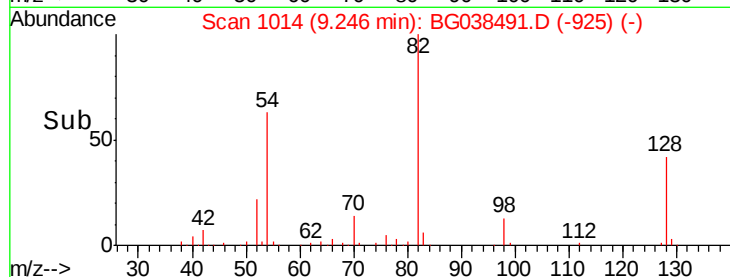
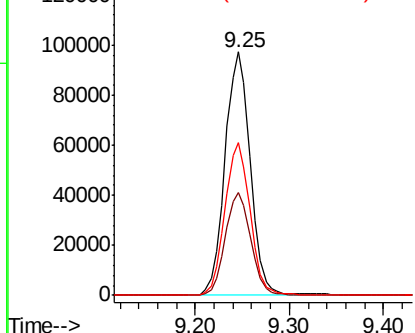
#23
Nitrobenzene-d5
Concen: 93.614 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038491.D
Acq: 12 Dec 2018 6:28

Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.6	51.8
54	62.8	45.3	67.9

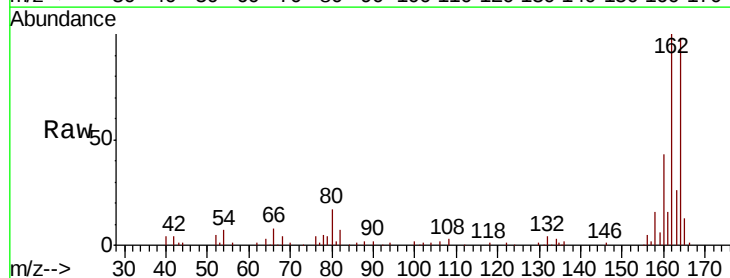


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

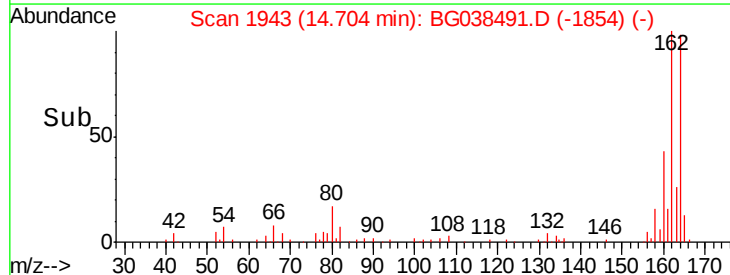
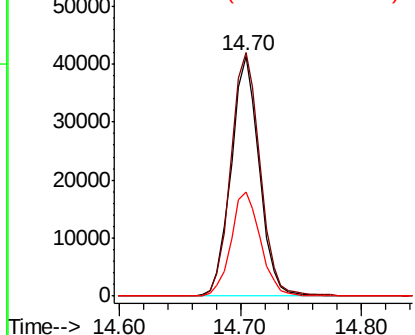


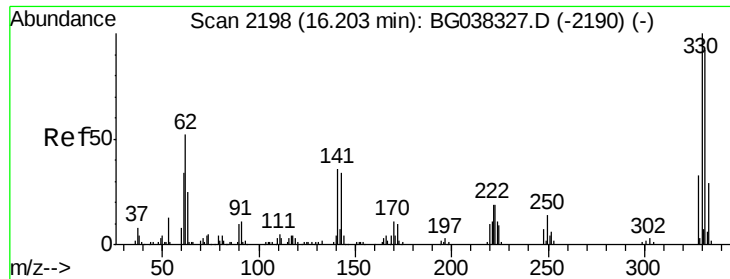
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BG038491.D
Acq: 12 Dec 2018 6:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	43.4	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

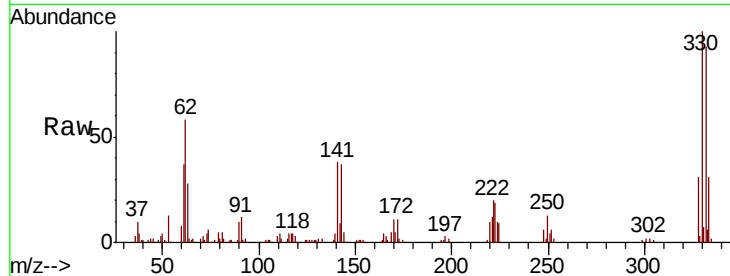




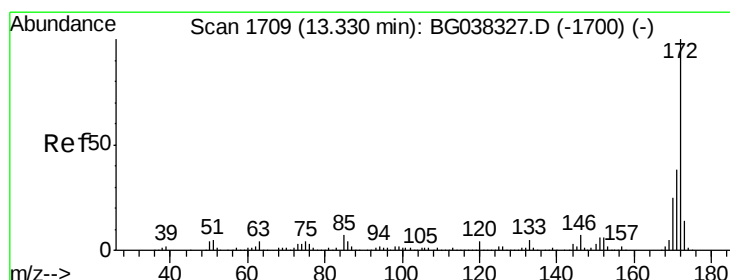
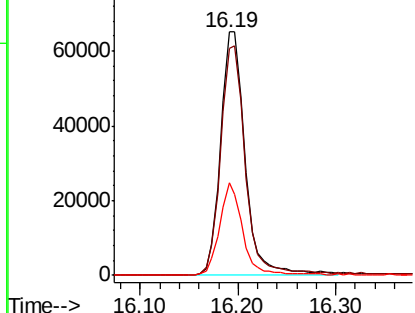
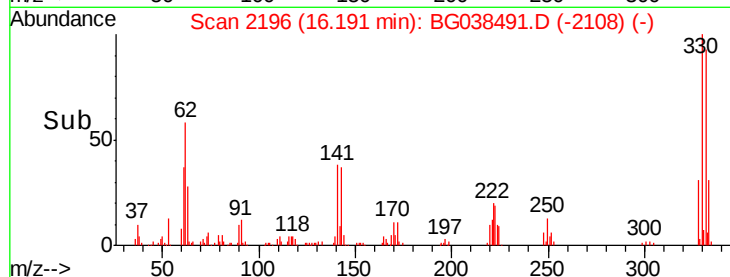
#42
 2,4,6-Tribromophenol
 Concen: 138.979 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG038491.D
 Acq: 12 Dec 2018 6:28

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.4	117.6
141	35.8	32.2	48.2

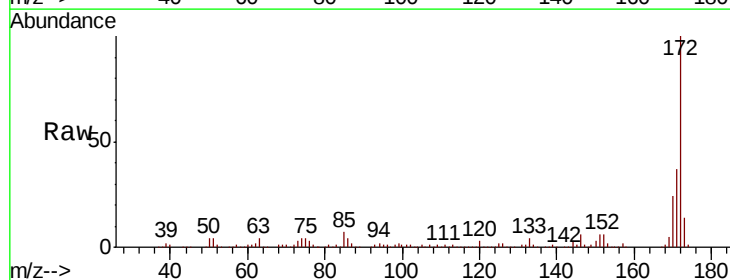


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

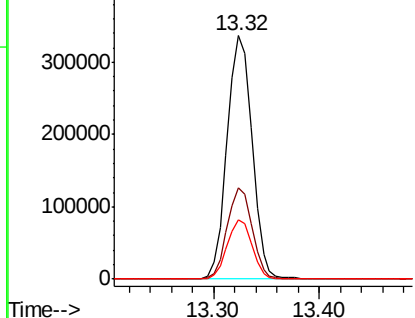
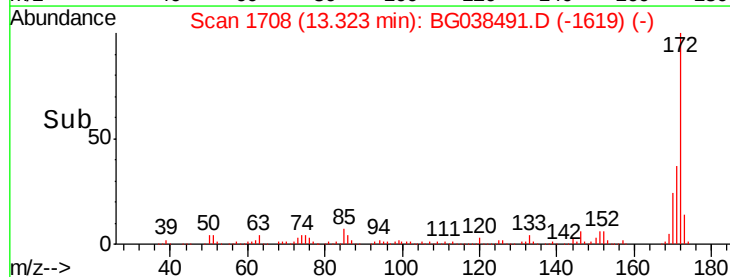


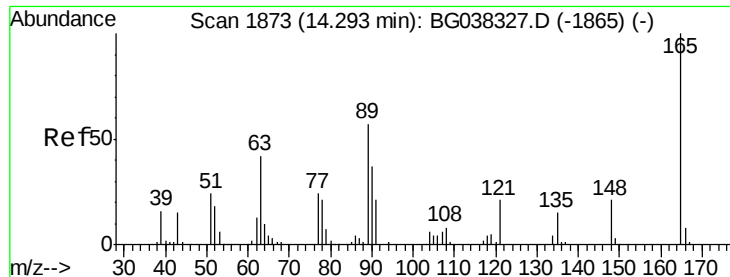
#45
 2-Fluorobiphenyl
 Concen: 117.357 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038491.D
 Acq: 12 Dec 2018 6:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.0	46.4
170	24.2	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

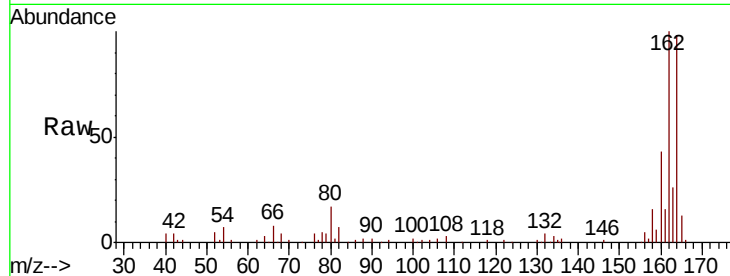




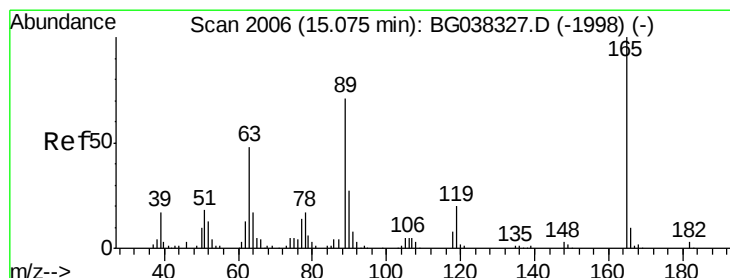
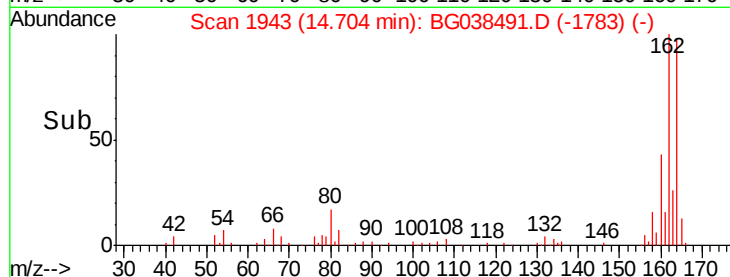
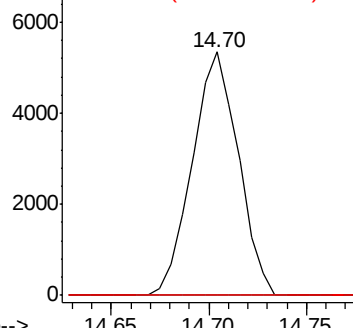
#51
 2,6-Dinitrotoluene
 Concen: 7.084 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038491.D
 Acq: 12 Dec 2018 6:28

Instrument :
 BNA_G
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 TP-3

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



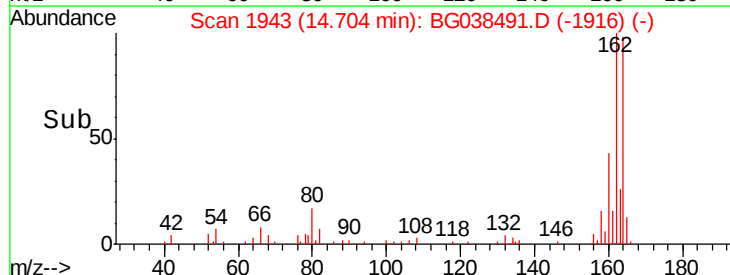
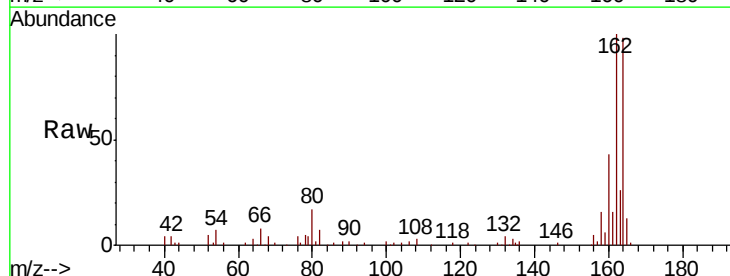
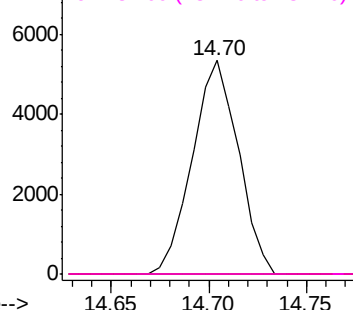
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

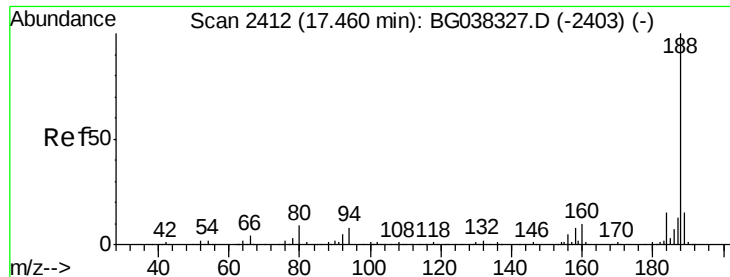


#57
 2,4-Dinitrotoluene
 Concen: 5.136 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038491.D
 Acq: 12 Dec 2018 6:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	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

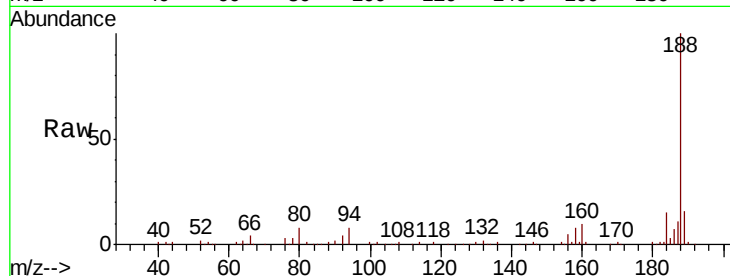




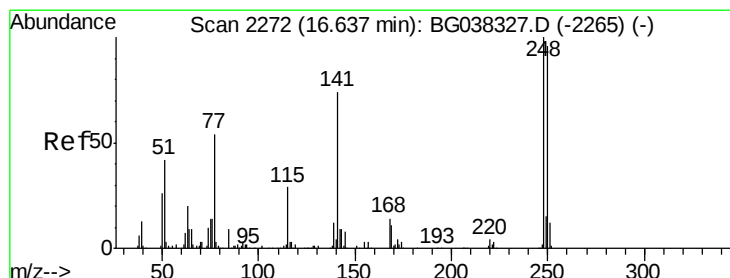
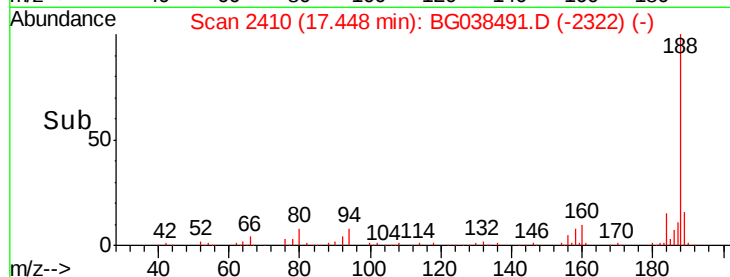
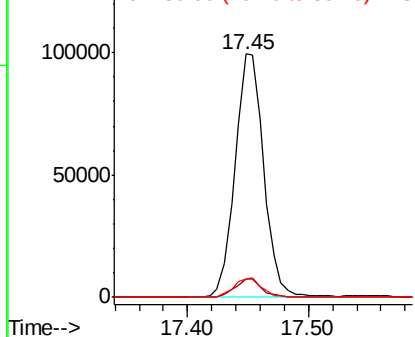
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038491.D
 Acq: 12 Dec 2018 6:28

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion:188 Resp: 164851
 Ion Ratio Lower Upper
 188 100
 94 7.5 7.2 10.8
 80 7.5 7.7 11.5#

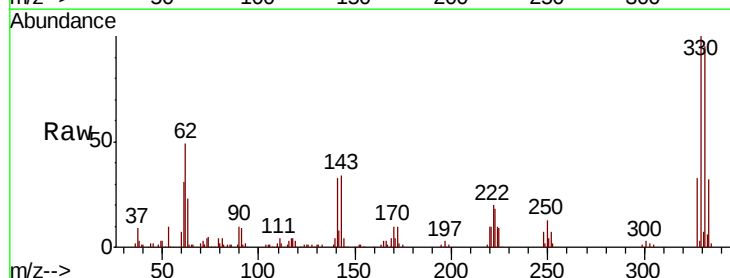


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

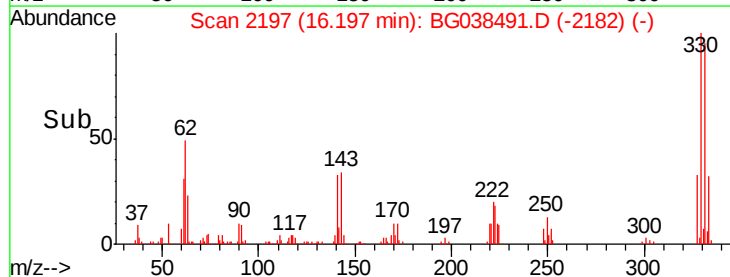
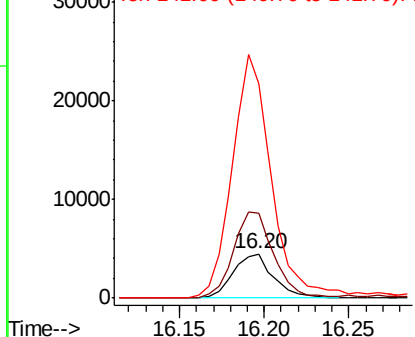


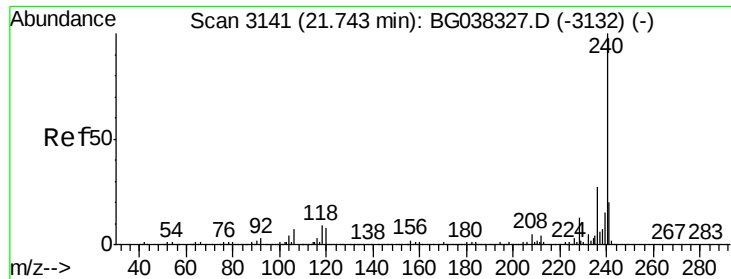
#67
 4-Bromophenyl-phenylether
 Concen: 4.182 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038491.D
 Acq: 12 Dec 2018 6:28

Tgt Ion:248 Resp: 7444
 Ion Ratio Lower Upper
 248 100
 250 188.8 77.0 115.6#
 141 368.4 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

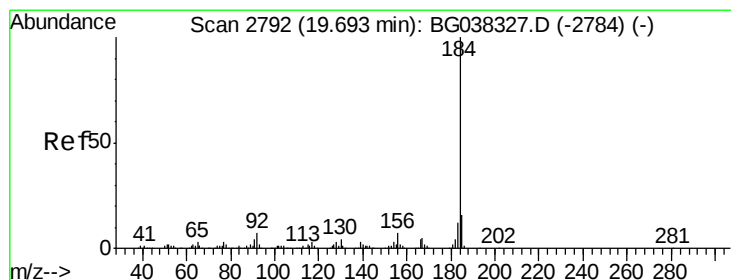
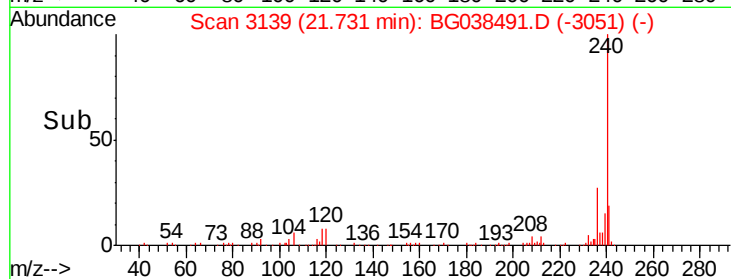
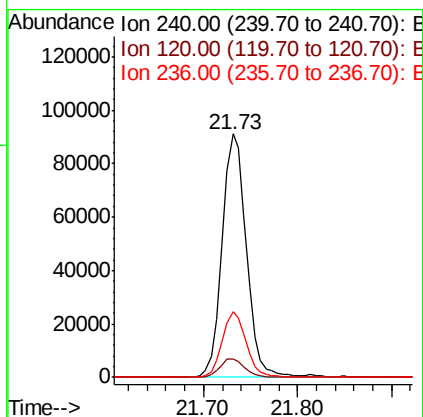
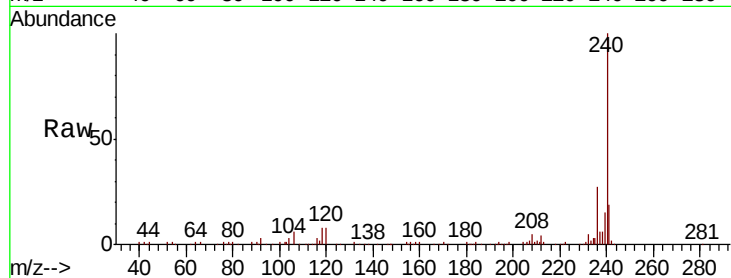




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038491.D
Acq: 12 Dec 2018 6:28

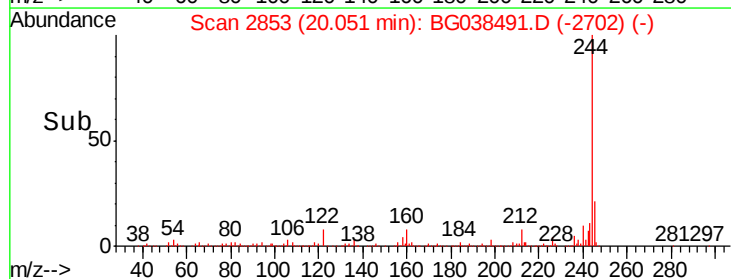
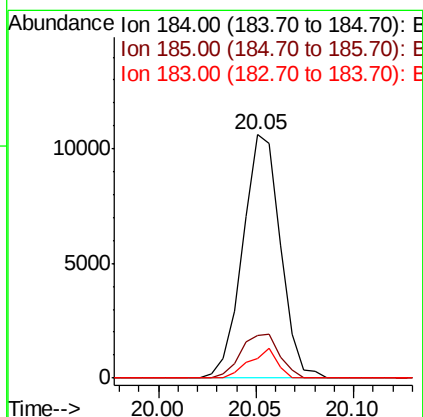
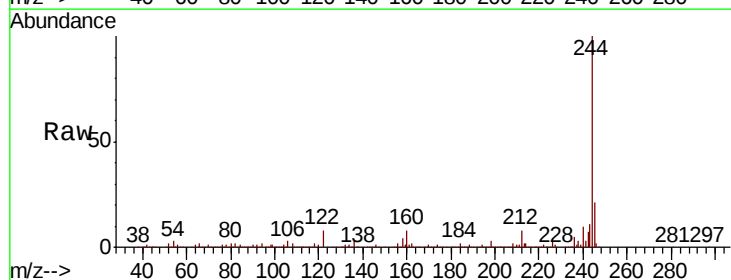
Instrument :
BNA_G
ClientSampleId :
TP-3

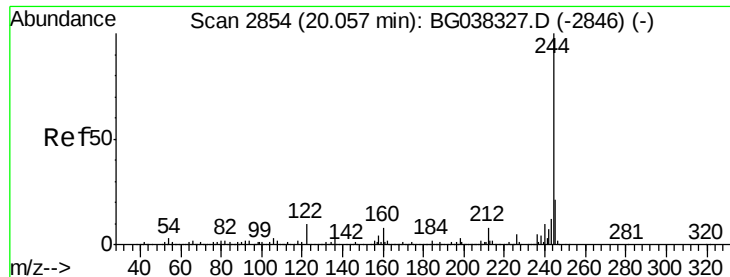
Tgt Ion:240 Resp: 165089
Ion Ratio Lower Upper
240 100
120 7.7 8.1 12.1#
236 27.2 21.4 32.0



#77
Benzidine
Concen: 2.543 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038491.D
Acq: 12 Dec 2018 6:28

Tgt Ion:184 Resp: 14165
Ion Ratio Lower Upper
184 100
185 17.5 12.6 18.8
183 7.9 10.2 15.2#





#79

Terphenyl-d14

Concen: 103.367 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038491.D

Acq: 12 Dec 2018 6:28

Instrument :

BNA_G

ClientSampleId :

TP-3

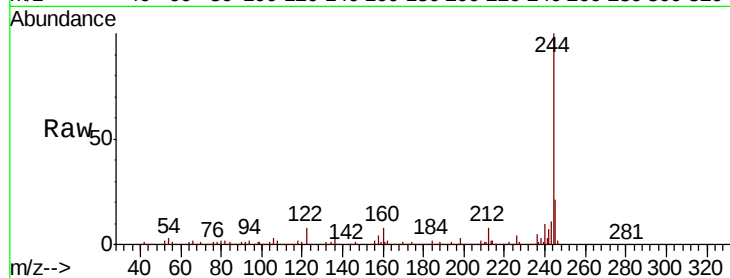
Tgt Ion:244 Resp: 796575

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

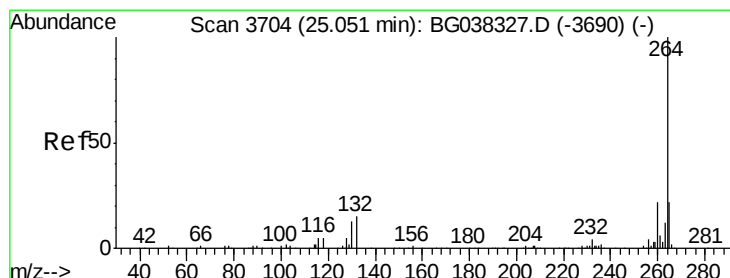
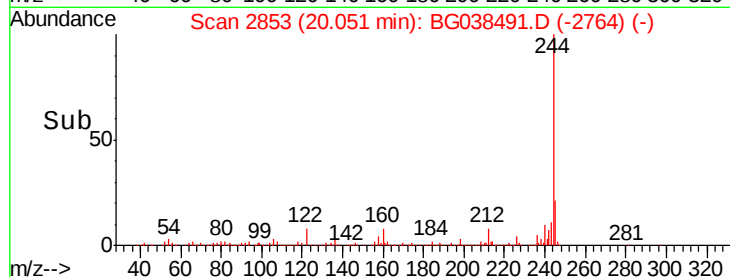
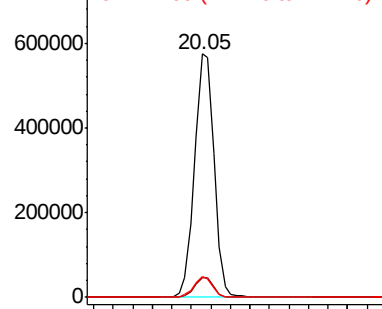
122 8.3 9.0 13.4#



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: BG038491.D

Acq: 12 Dec 2018 6:28

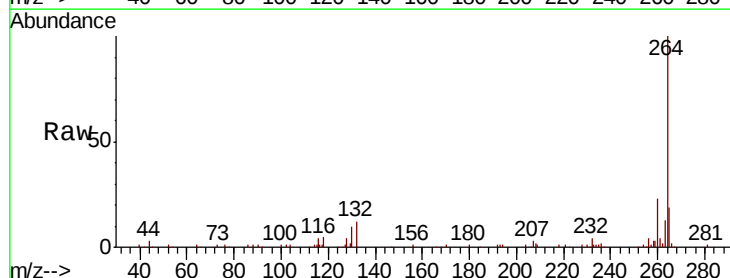
Tgt Ion:264 Resp: 167712

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 19.3 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

