

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG036985.D
 Acq On : 26 Sep 2018 17:14
 Operator : JU/SJ
 Sample : J5069-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 18:57:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

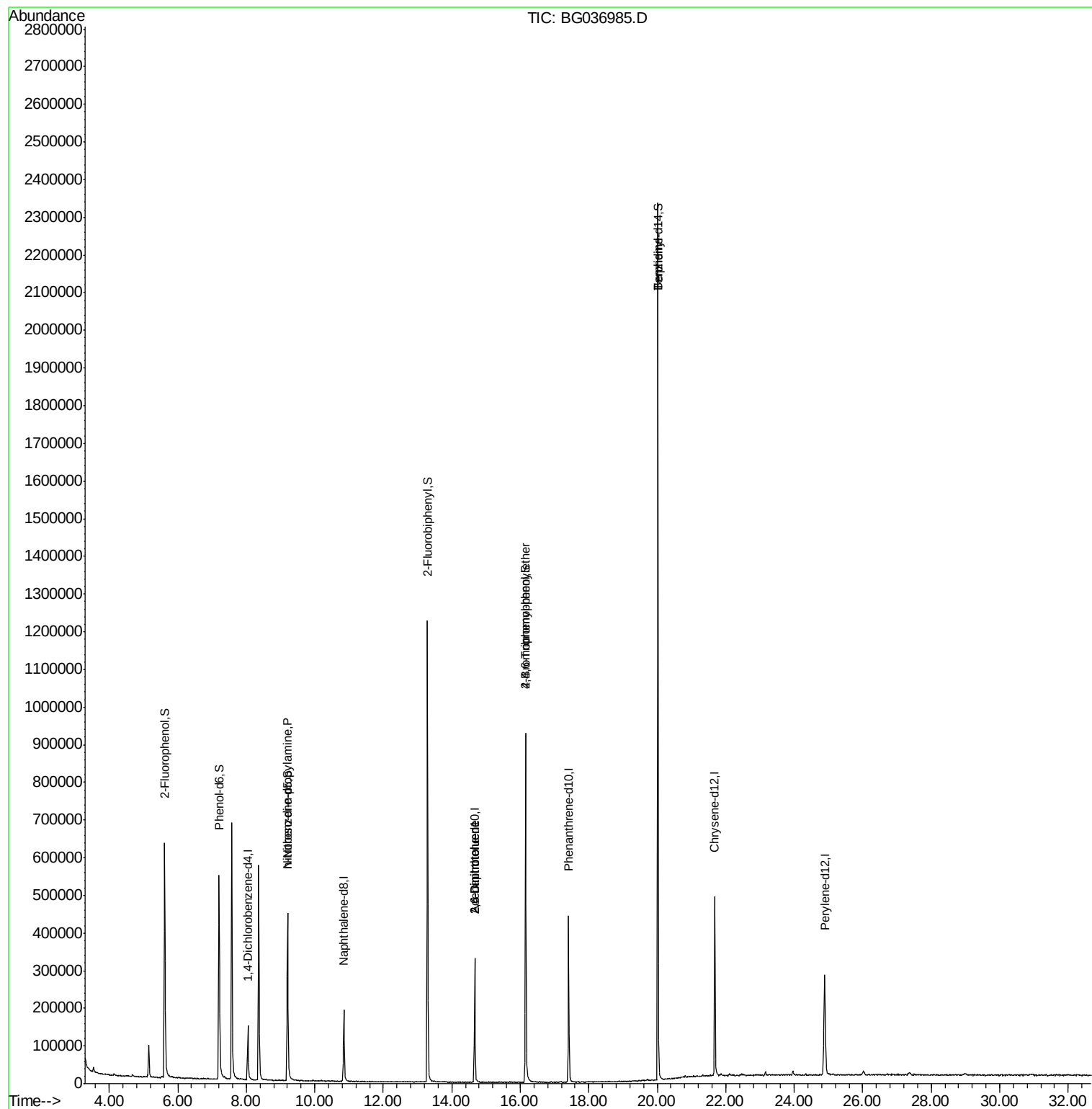
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	47264	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	187111	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	119216	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	299683	20.00	ng	0.00
75) Chrysene-d12	21.68	240	315289	20.00	ng	-0.01
86) Perylene-d12	24.89	264	298726	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	288804	117.19	ng	0.00
7) Phenol-d6	7.20	99	363129	95.23	ng	-0.01
23) Nitrobenzene-d5	9.20	82	318274	91.09	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	180948	126.86	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	688890	86.06	ng	-0.01
78) Terphenyl-d14	20.02	244	1153298	96.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	42967	13.546	ng	# 69
50) 2,6-Dinitrotoluene	14.66	165	15639	7.470	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	15639	5.353	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	12142	3.562	ng	# 1
76) Benzidine	20.02	184	20191	2.118	ng	# 91

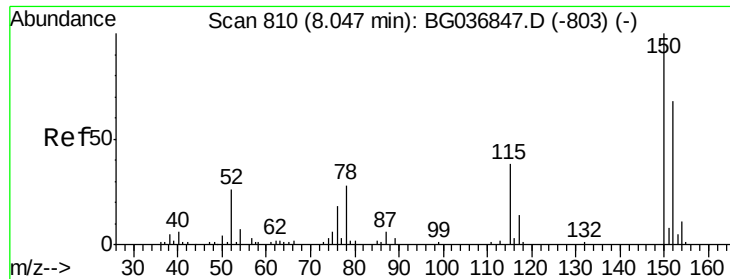
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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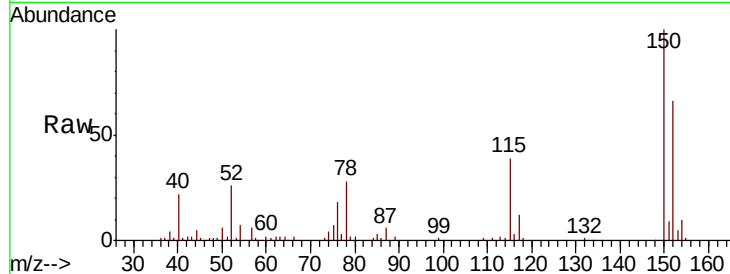


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG036985.D
Acq: 26 Sep 2018 17:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	119.5	179.3
115	60.1	44.5	66.7

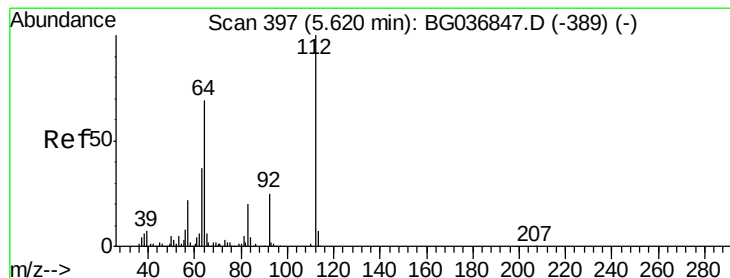
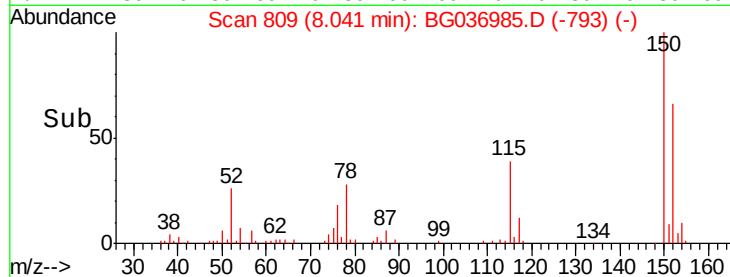
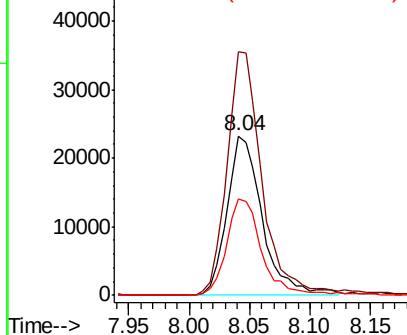


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

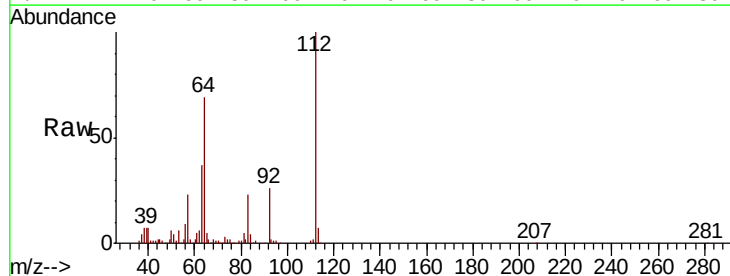
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.185 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036985.D
Acq: 26 Sep 2018 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	57.2	85.8
63	37.0	30.8	46.2

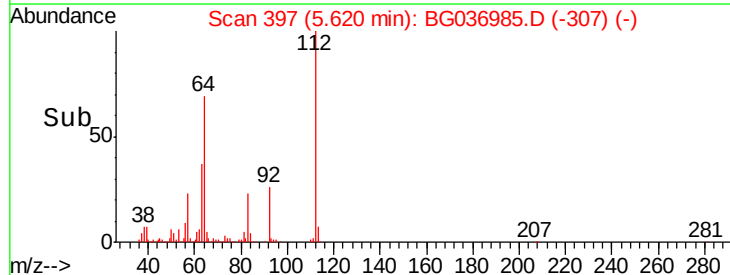
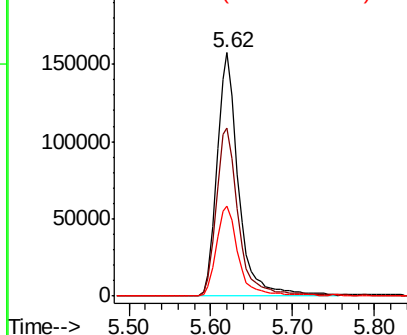


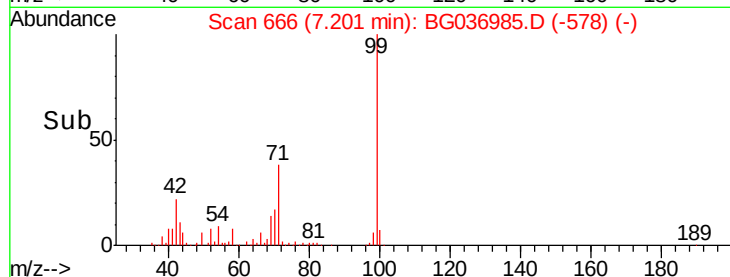
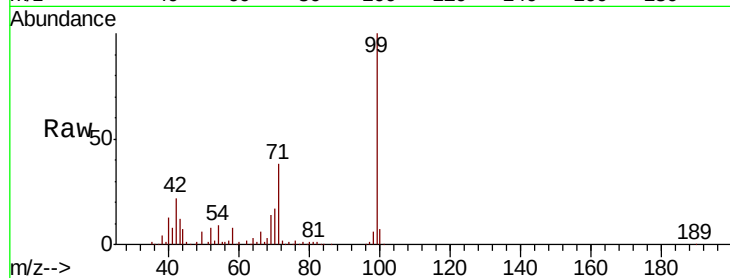
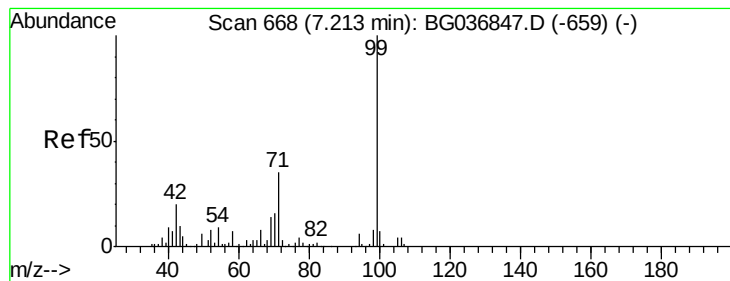
Abundance

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: 95.234 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036985.D

Acq: 26 Sep 2018 17:14

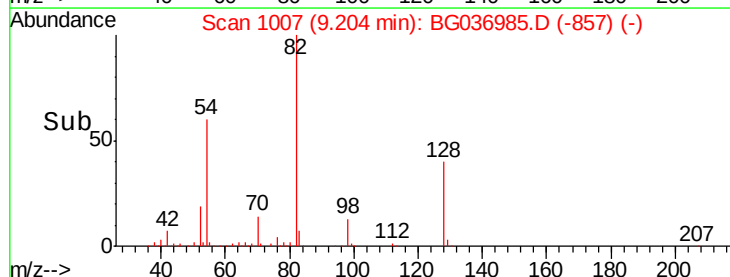
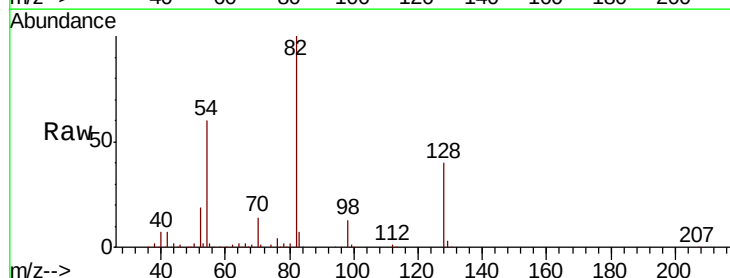
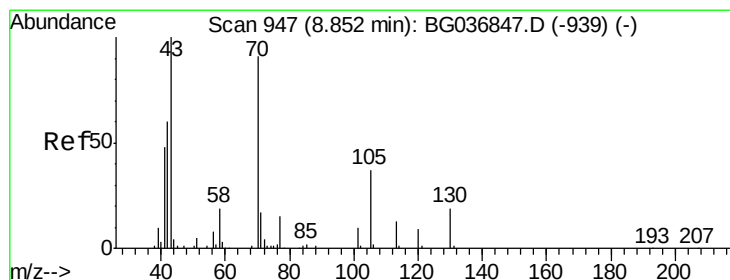
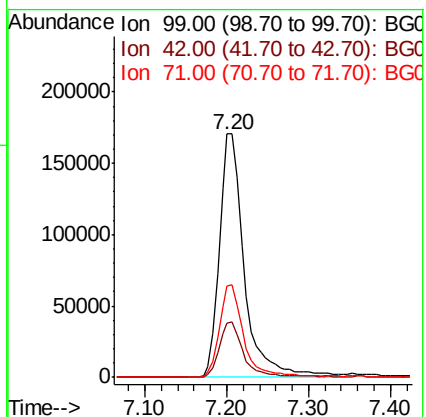
Tot Ion: 99 Resp: 363129

Ion Ratio Lower Upper

99 100

42 22.4 16.5 24.7

71 37.6 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.546 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036985.D

Acq: 26 Sep 2018 17:14

Tgt Ion: 70 Resp: 42967

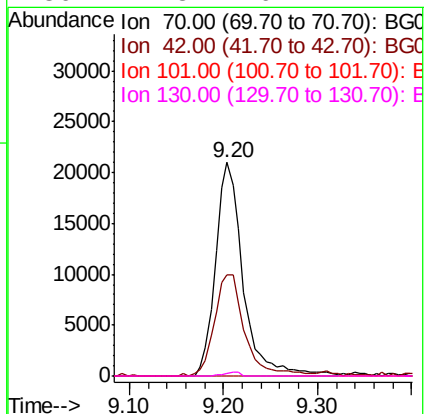
Ion Ratio Lower Upper

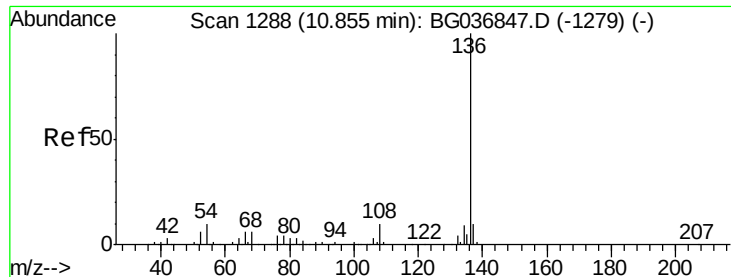
70 100

42 47.2 56.2 84.4#

101 0.0 7.8 11.6#

130 1.3 16.2 24.2#

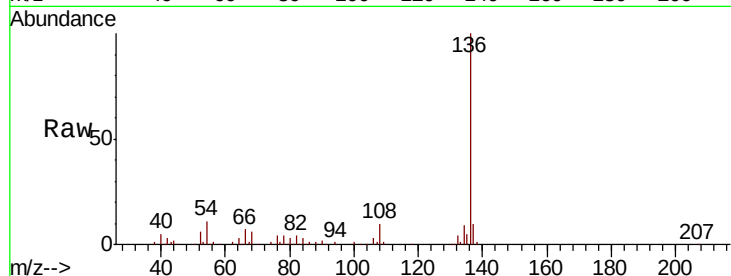




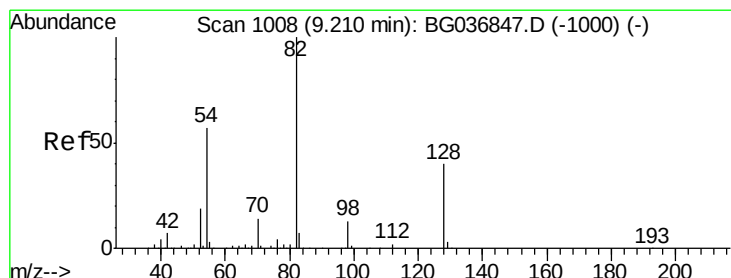
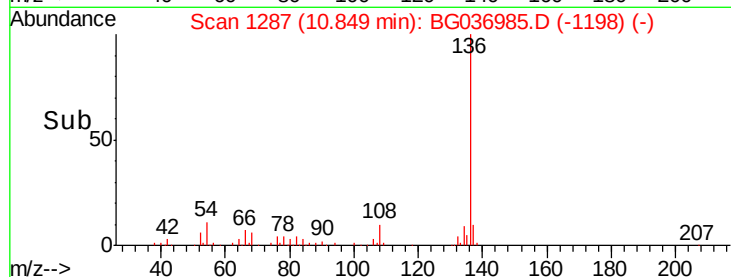
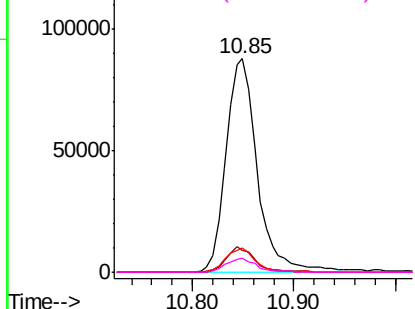
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036985.D
Acq: 26 Sep 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	187111
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.8 13.2
54	11.2	9.2 13.8
68	6.5	5.8 8.6

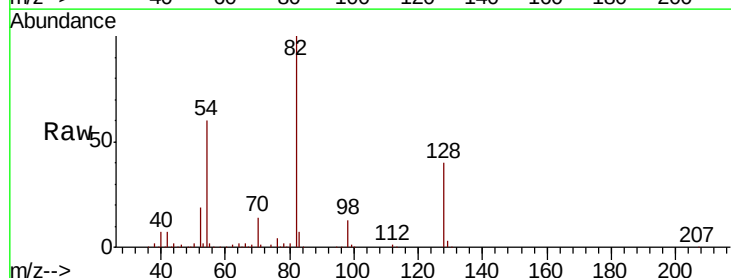


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

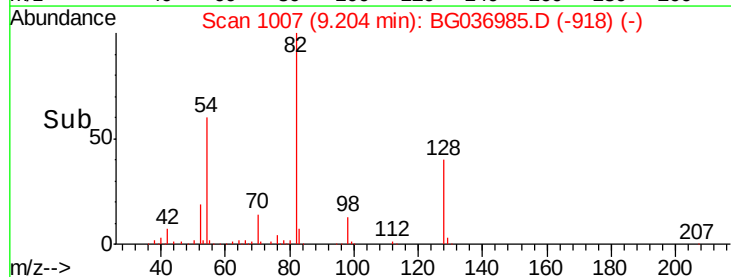
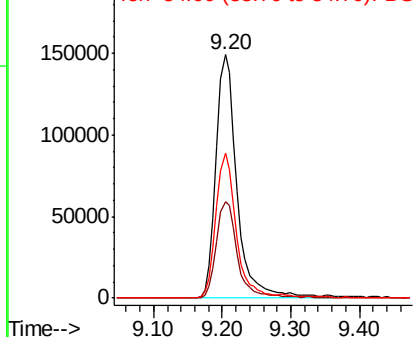


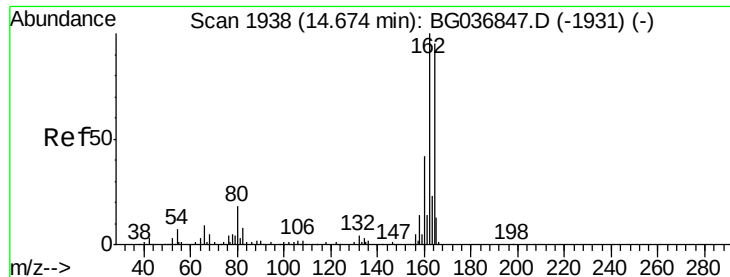
#23
Nitrobenzene-d5
Concen: 91.090 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036985.D
Acq: 26 Sep 2018 17:14

Tgt Ion: 82	Resp:	318274
Ion	Ratio	Lower Upper
82	100	
128	39.8	33.3 49.9
54	59.6	45.1 67.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036985.D

Acq: 26 Sep 2018 17:14

Instrument :

BNA_F

ClientSampleId :

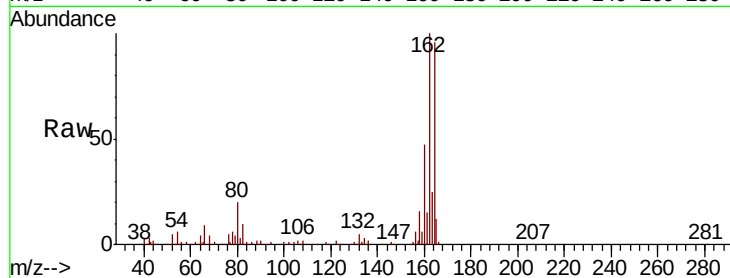
Tot Ion:164 Resp: 119216

Ion Ratio Lower Upper

164 100

162 104.1 80.7 121.1

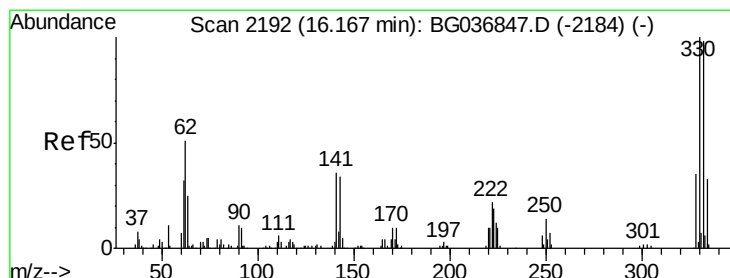
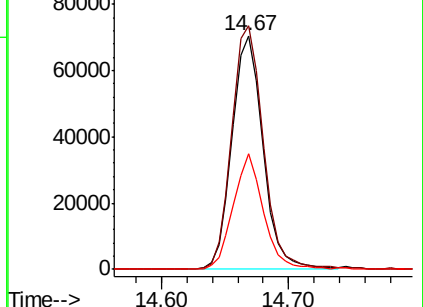
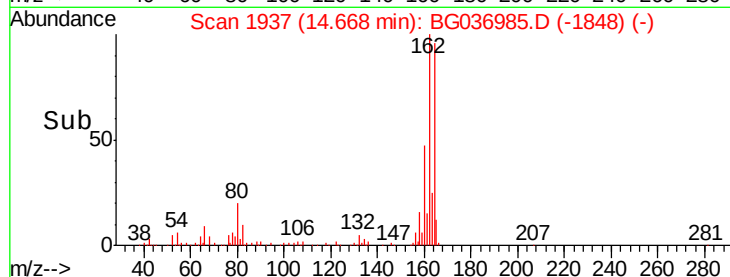
160 49.3 35.3 52.9



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



#41

2,4,6-Tribromophenol

Concen: 126.861 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036985.D

Acq: 26 Sep 2018 17:14

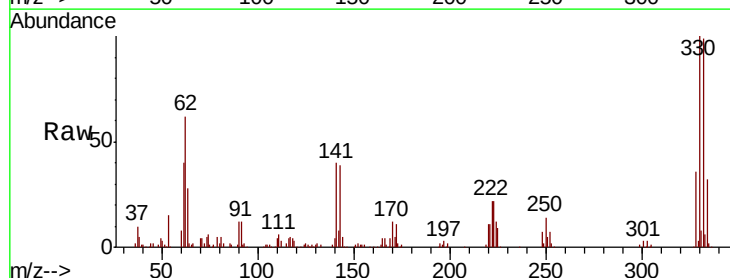
Tgt Ion:330 Resp: 180948

Ion Ratio Lower Upper

330 100

332 95.5 75.4 113.2

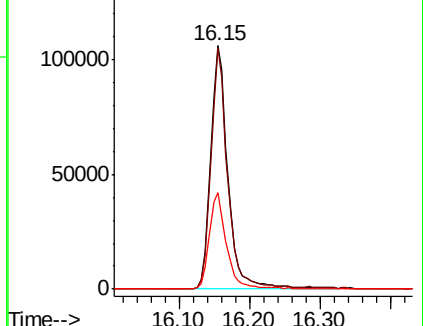
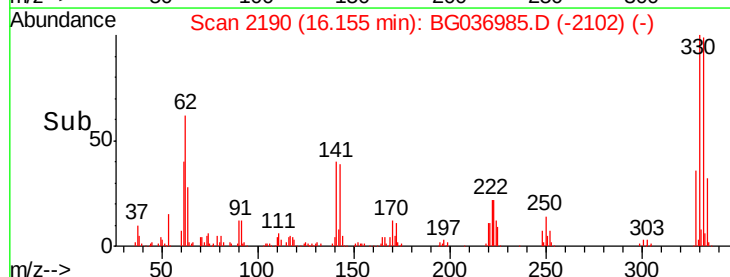
141 39.3 30.7 46.1

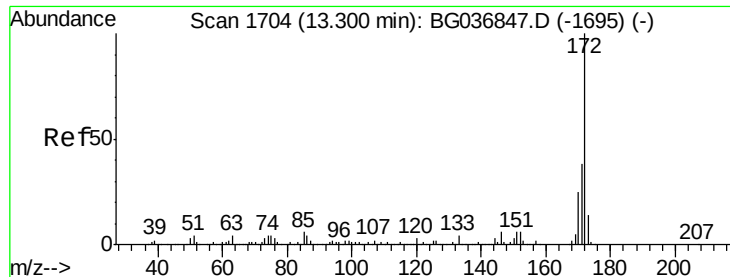


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

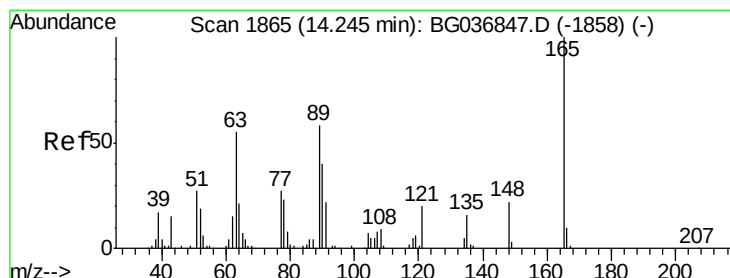
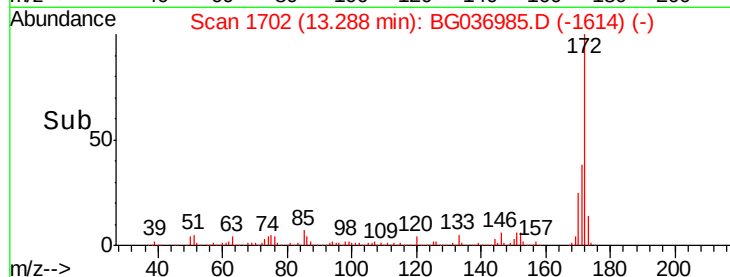
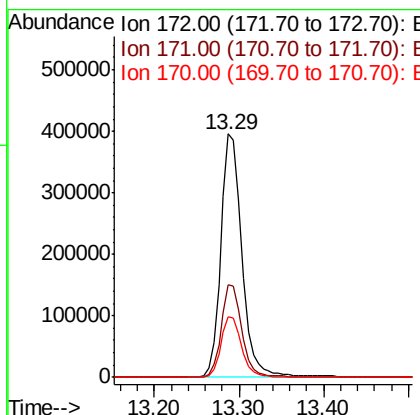
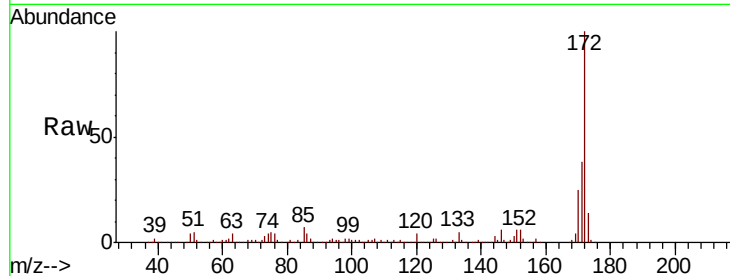




#44
 2-Fluorobiphenyl
 Concen: 86.064 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036985.D
 Acq: 26 Sep 2018 17:14

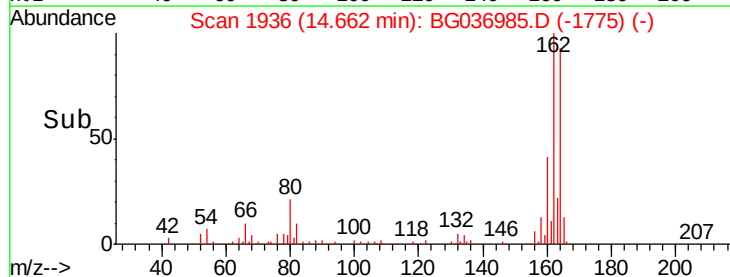
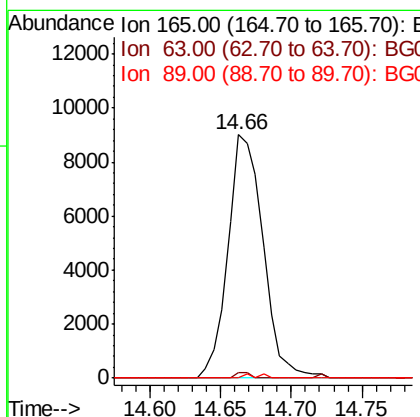
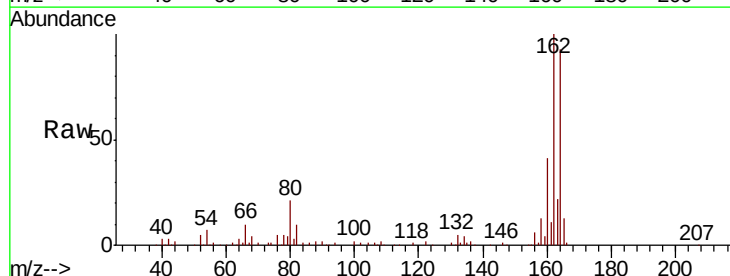
Instrument :
 BNA_F
 ClientSampleId :

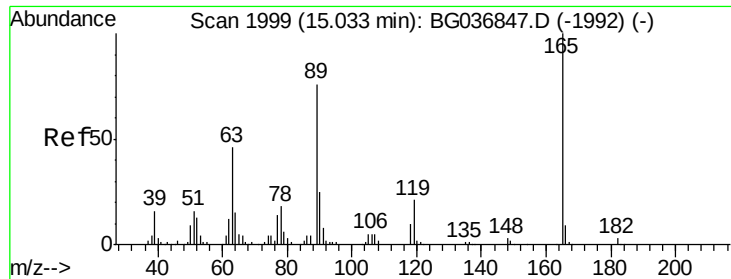
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.3	46.9
170	25.0	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.470 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036985.D
 Acq: 26 Sep 2018 17:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	50.1	75.1#
89	0.0	47.8	71.6#

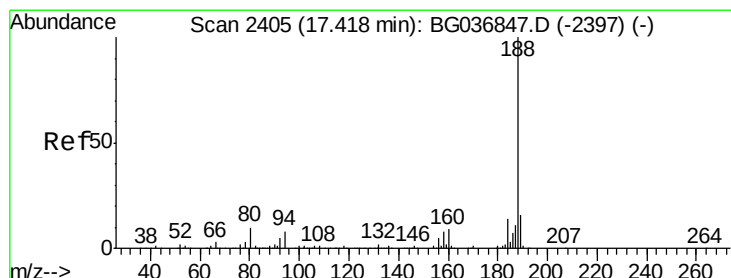
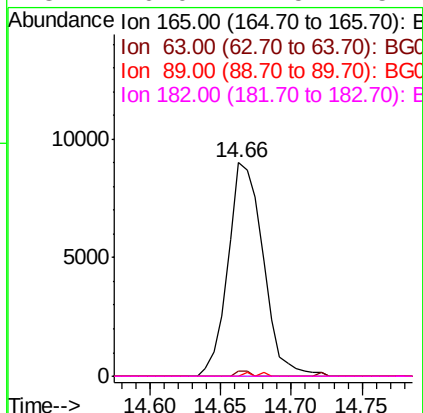
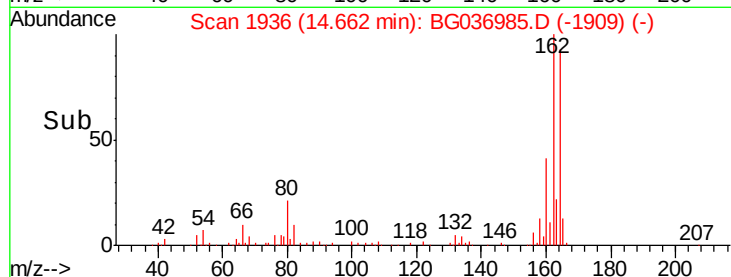
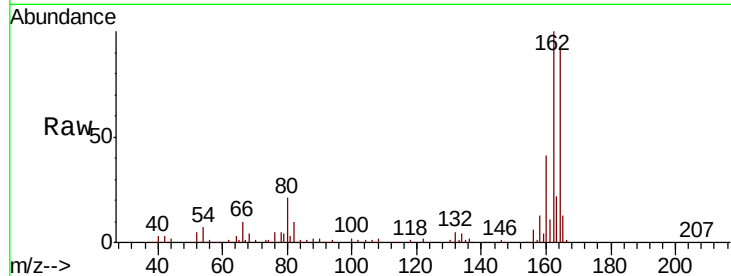




#56
 2,4-Dinitrotoluene
 Concen: 5.353 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG036985.D
 Acq: 26 Sep 2018 17:14

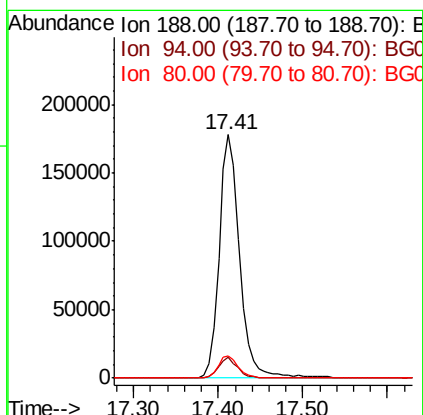
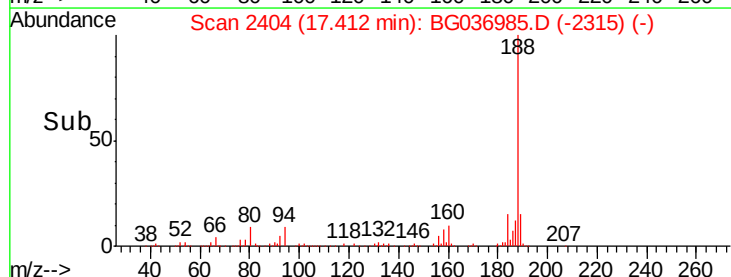
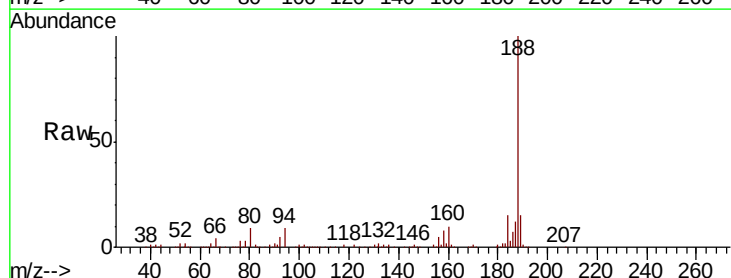
Instrument :
 BNA_F
 ClientSampled :

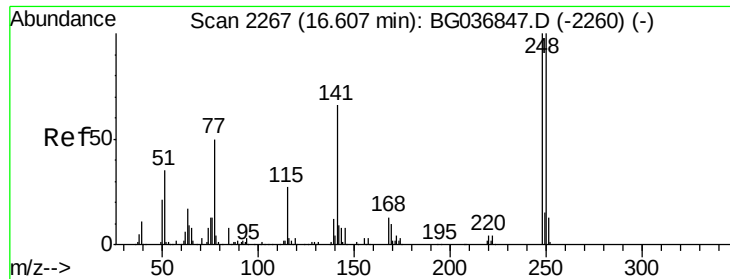
Tot Ion:165	Resp:	15639
Ion Ratio	Lower	Upper
165	100	
63	2.2	40.1 60.1#
89	0.0	63.7 95.5#
182	0.0	2.5 3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036985.D
 Acq: 26 Sep 2018 17:14

Tgt Ion:188	Resp:	299683
Ion Ratio	Lower	Upper
188	100	
94	8.5	6.7 10.1
80	9.2	8.1 12.1

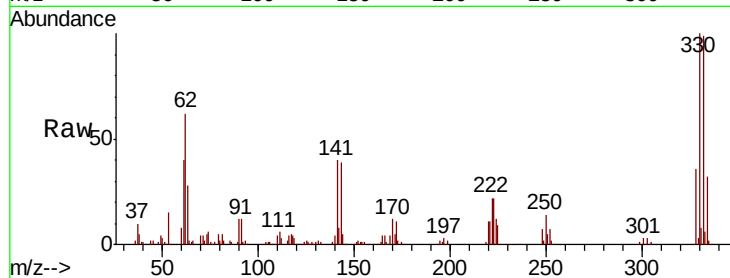




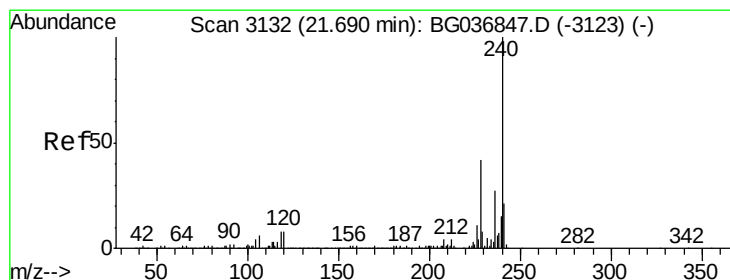
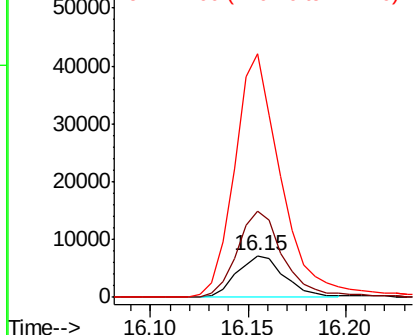
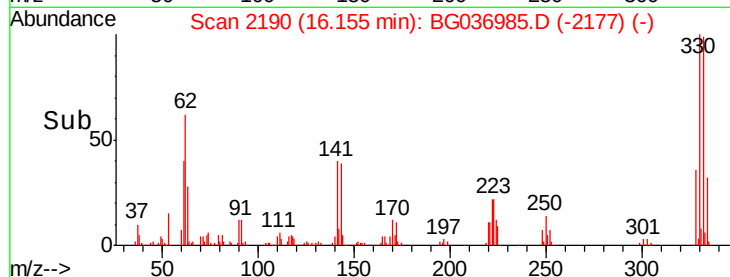
#66
 4-Bromophenyl-phenylether
 Concen: 3.562 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036985.D
 Acq: 26 Sep 2018 17:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12142
 Ion Ratio Lower Upper
 248 100
 250 208.8 78.1 117.1#
 141 587.4 53.7 80.5#

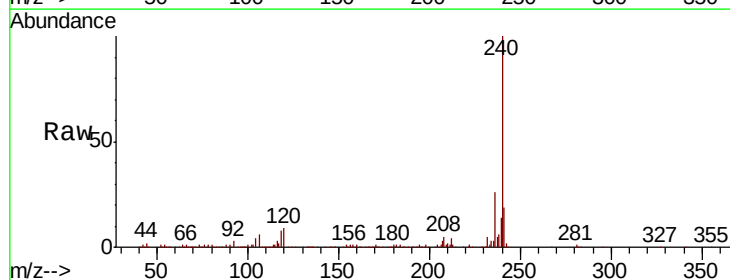


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

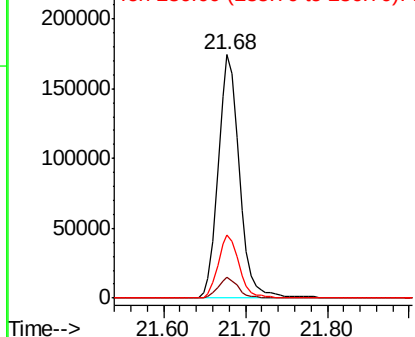
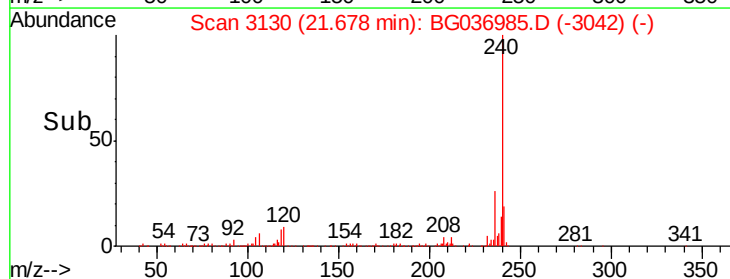


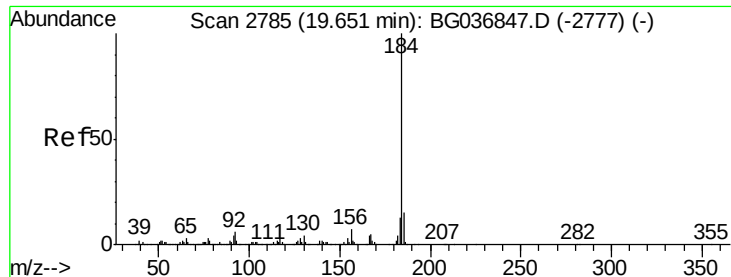
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036985.D
 Acq: 26 Sep 2018 17:14

Tgt Ion:240 Resp: 315289
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.9 10.3
 236 26.1 21.2 31.8



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





#76

Benzidine

Concen: 2.118 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036985.D

Acq: 26 Sep 2018 17:14

Instrument :

BNA_F

ClientSampleId :

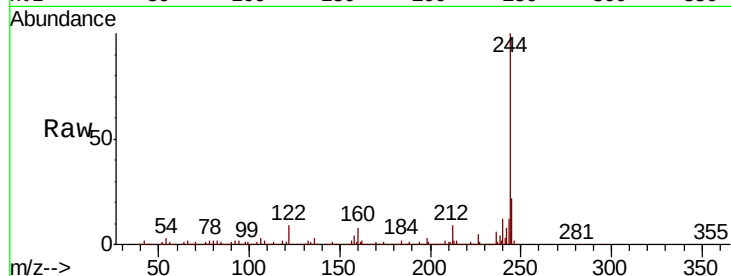
Tot Ion:184 Resp: 20191

Ion Ratio Lower Upper

184 100

185 17.6 12.6 18.8

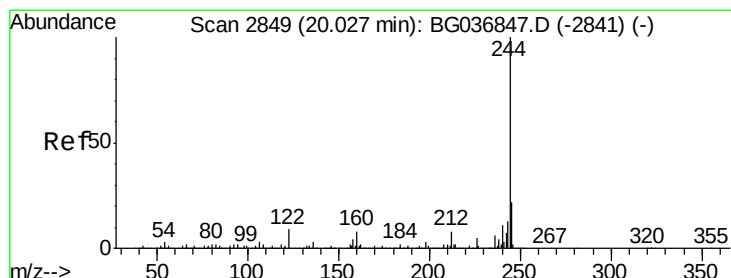
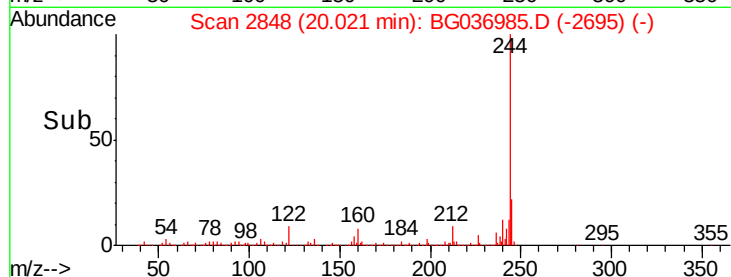
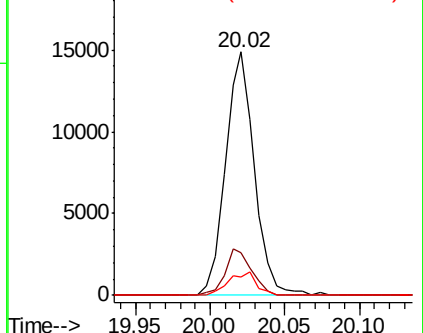
183 7.6 10.9 16.3#



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



#78

Terphenyl-d14

Concen: 96.184 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036985.D

Acq: 26 Sep 2018 17:14

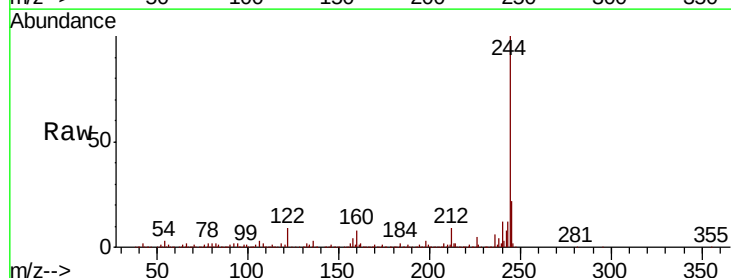
Tgt Ion:244 Resp: 1153298

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

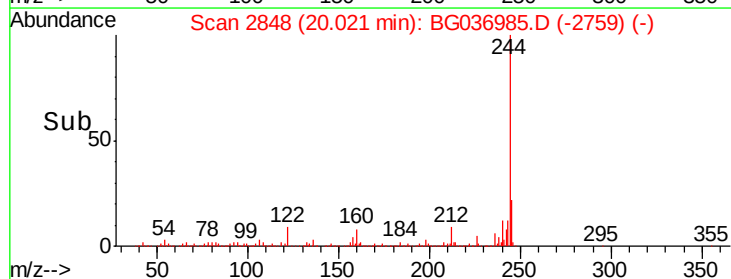
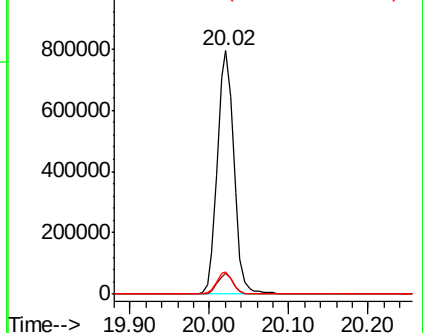
122 8.9 7.1 10.7

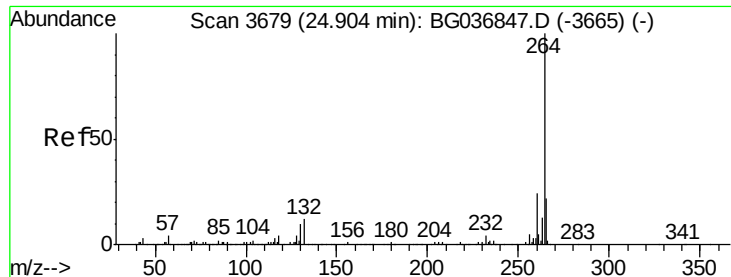


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

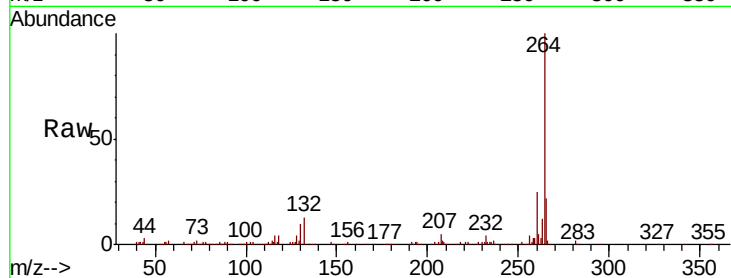




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036985.D
Acq: 26 Sep 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.1	17.4	26.0



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

