

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092518\
 Data File : BG036962.D
 Acq On : 25 Sep 2018 23:29
 Operator : JU/SJ
 Sample : PB113203BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 01:46:27 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

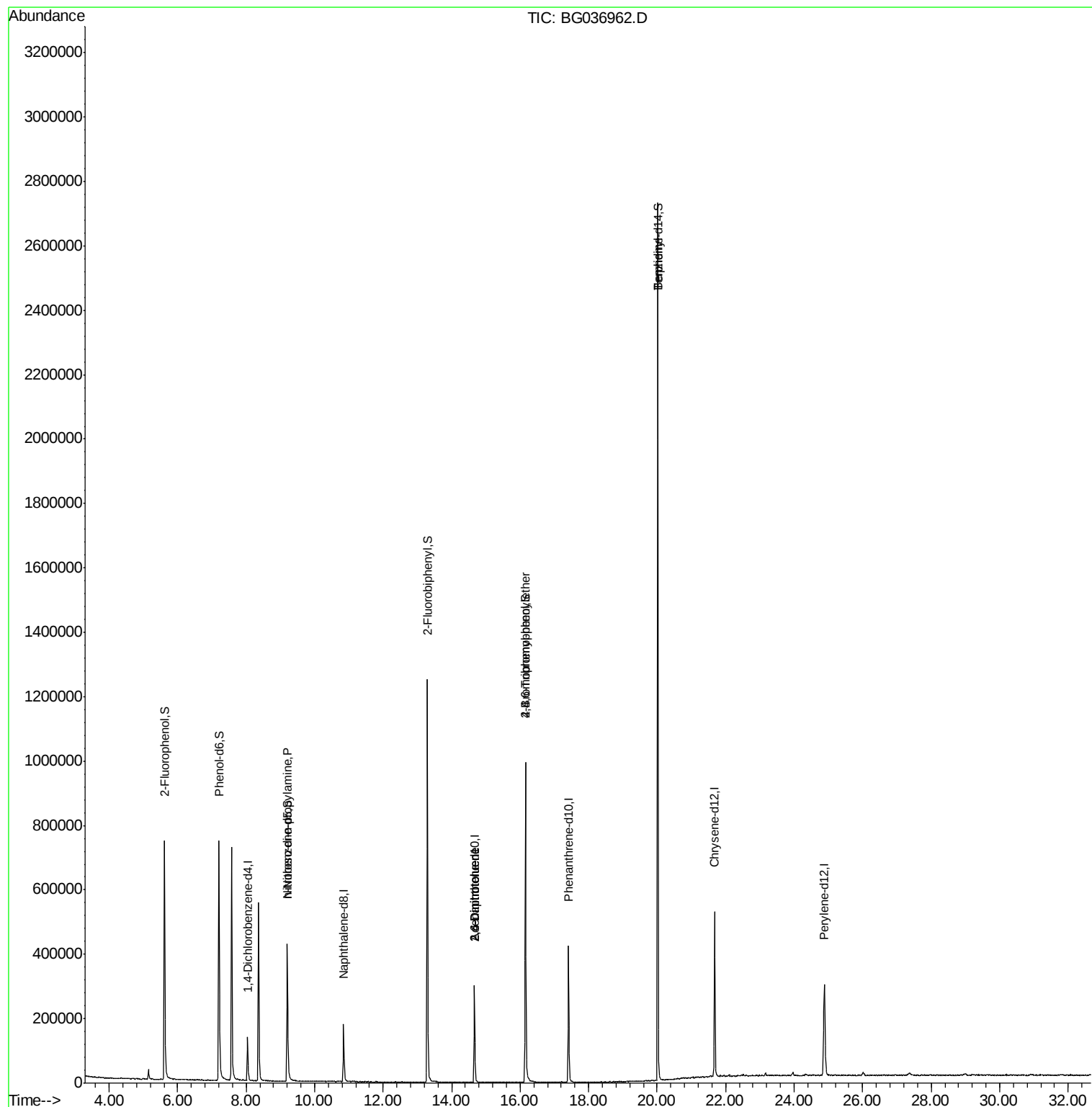
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42276	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	175381	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	117333	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	309428	20.00	ng	0.00
75) Chrysene-d12	21.68	240	336182	20.00	ng	-0.01
86) Perylene-d12	24.88	264	326439	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	350966	159.21	ng	0.00
7) Phenol-d6	7.20	99	489834	143.62	ng	0.00
23) Nitrobenzene-d5	9.20	82	311121	95.00	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	207604	147.89	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	699987	88.85	ng	0.00
78) Terphenyl-d14	20.02	244	1291164	100.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	40858	14.401	ng	# 71
50) 2,6-Dinitrotoluene	14.67	165	14098	6.842	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	14098	4.903	ng	# 21
66) 4-Bromophenyl-phenylether	16.15	248	14319	4.068	ng	# 1
76) Benzidine	20.02	184	22690	2.233	ng	# 95

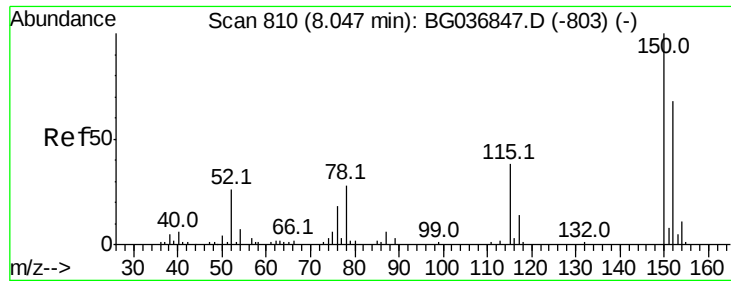
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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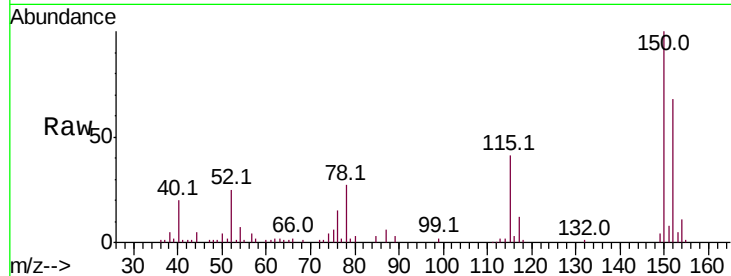


#1

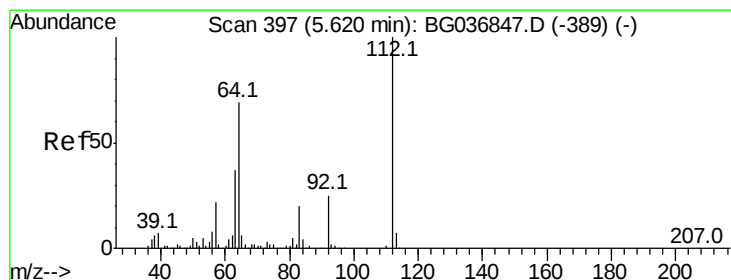
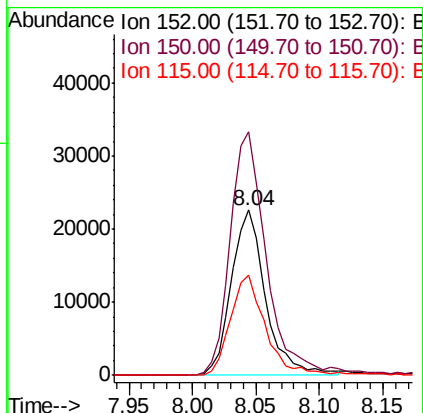
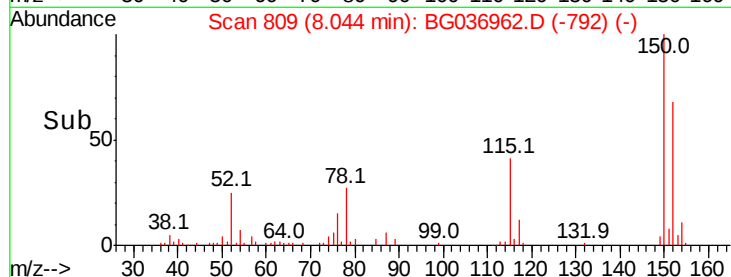
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG036962.D
Acq: 25 Sep 2018 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 42276
Ion Ratio Lower Upper
152 100
150 147.3 119.5 179.3
115 60.5 44.5 66.7



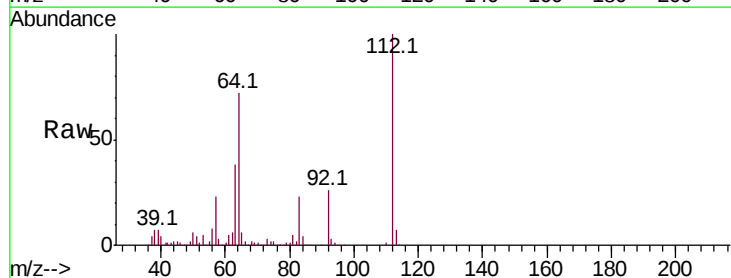
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



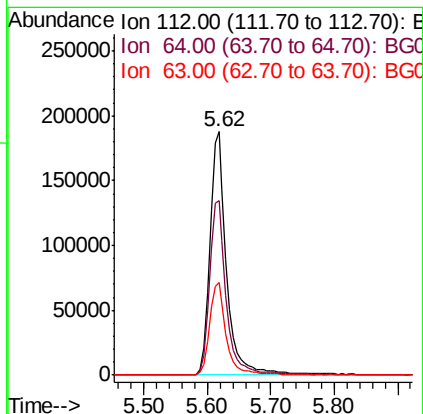
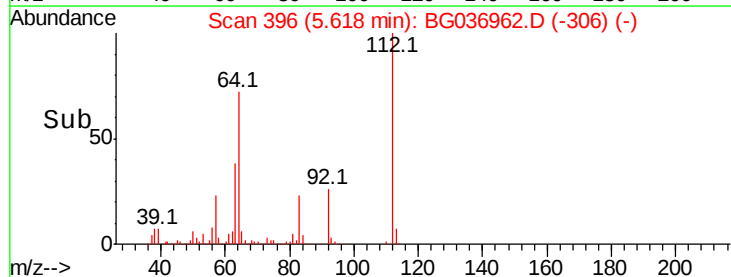
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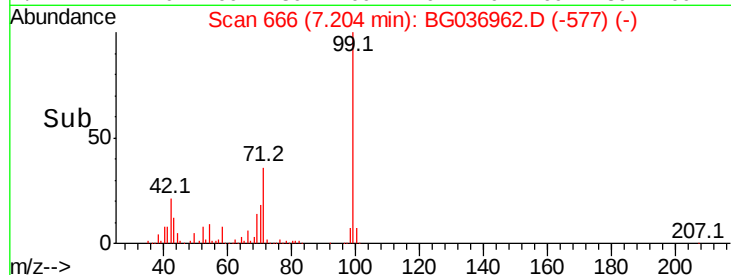
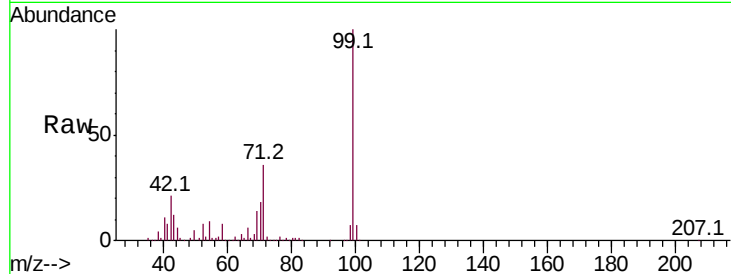
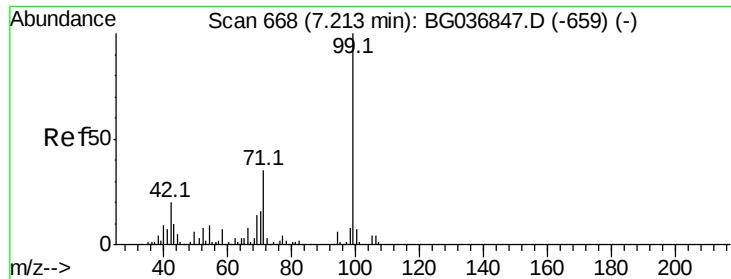
2-Fluorophenol
Concen: 159.210 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG036962.D
Acq: 25 Sep 2018 23:29

Tgt Ion:112 Resp: 350966
Ion Ratio Lower Upper
112 100
64 71.8 57.2 85.8
63 38.1 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 143.620 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036962.D

Acq: 25 Sep 2018 23:29

Instrument :

BNA_F

ClientSampleId :

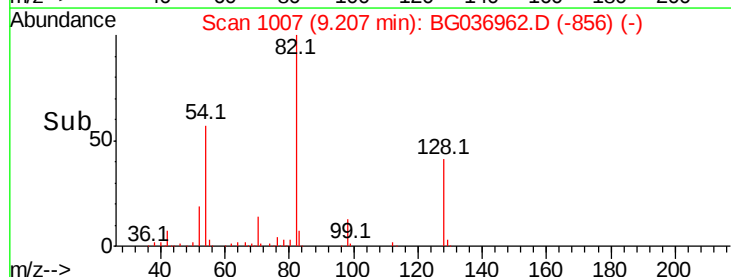
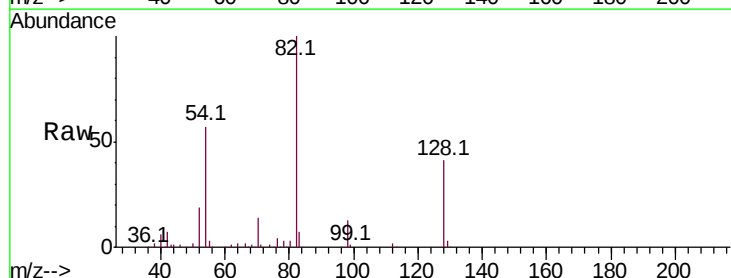
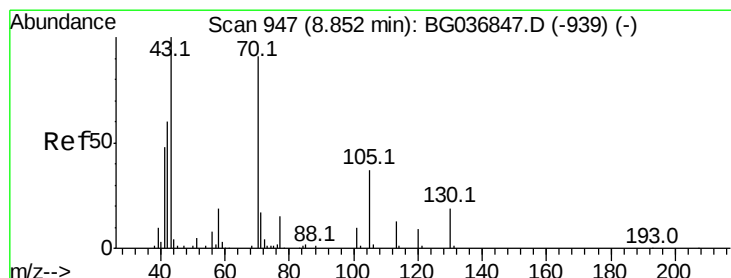
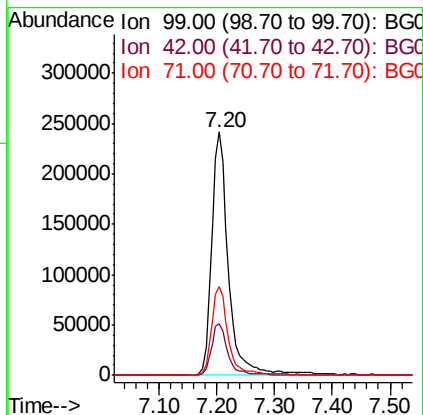
Tot Ion: 99 Resp: 489834

Ion Ratio Lower Upper

99 100

42 21.3 16.5 24.7

71 36.5 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.401 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG036962.D

Acq: 25 Sep 2018 23:29

Tgt Ion: 70 Resp: 40858

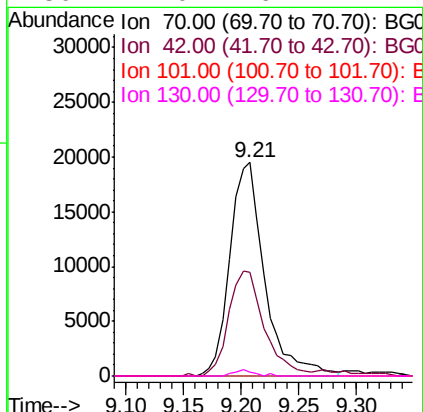
Ion Ratio Lower Upper

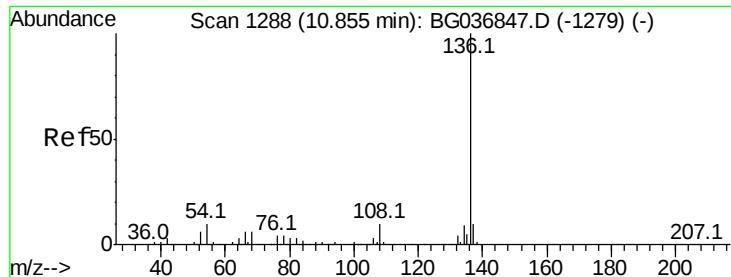
70 100

42 48.6 56.2 84.4#

101 0.0 7.8 11.6#

130 2.0 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG036962.D

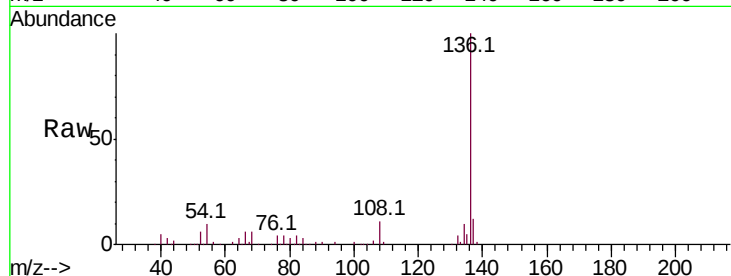
Acq: 25 Sep 2018 23:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	175381
Ion	Ratio	Lower Upper
136	100	
137	11.6	8.8 13.2
54	10.4	9.2 13.8
68	6.1	5.8 8.6



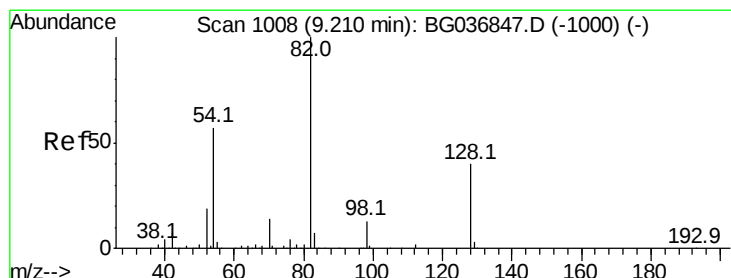
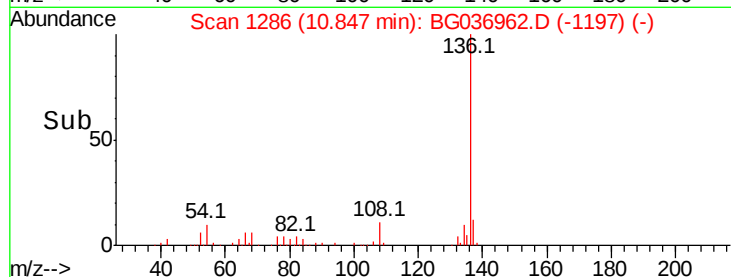
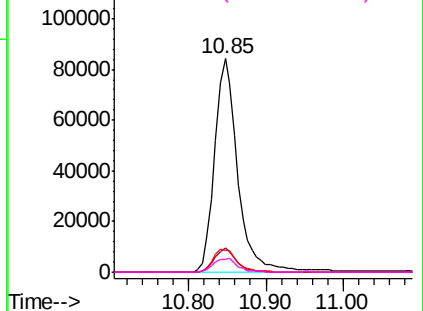
Abundance

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: 94.998 ng

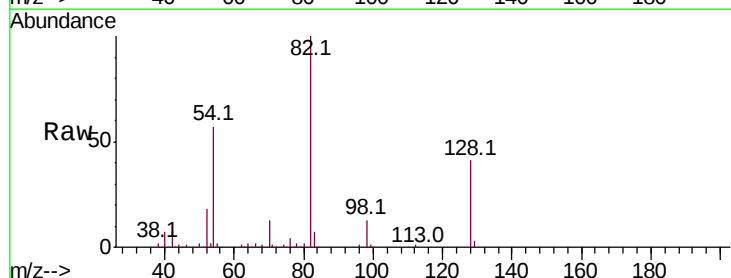
RT: 9.20 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BG036962.D

Acq: 25 Sep 2018 23:29

Tgt Ion: 82	Resp:	311121
Ion	Ratio	Lower Upper
82	100	
128	41.3	33.3 49.9
54	57.4	45.1 67.7

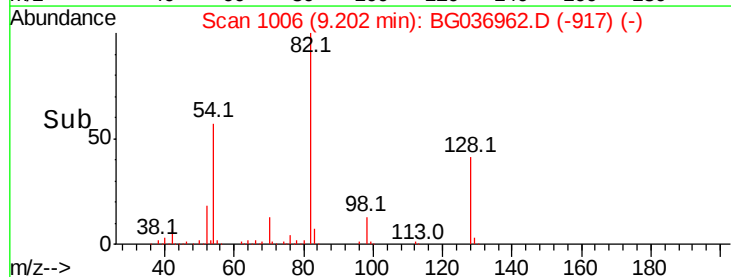
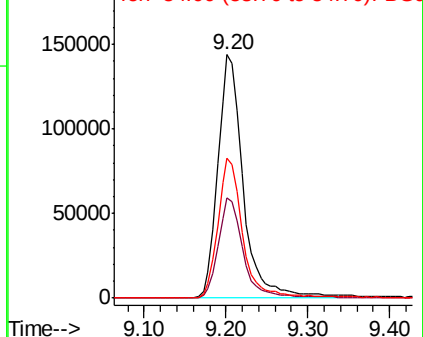


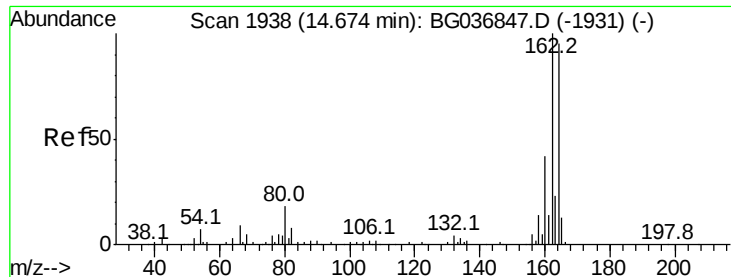
Abundance

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# 1936

Delta R.T. -0.01 min

Lab File: BG036962.D

Acq: 25 Sep 2018 23:29

Instrument :

BNA_F

ClientSampleId :

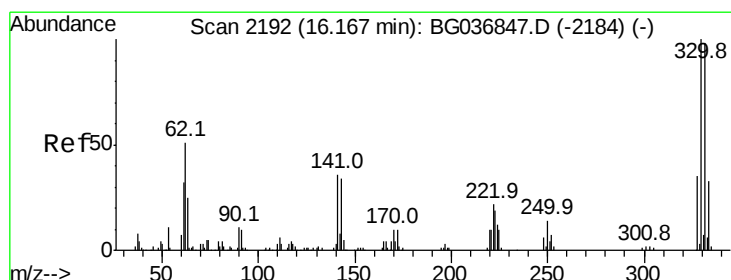
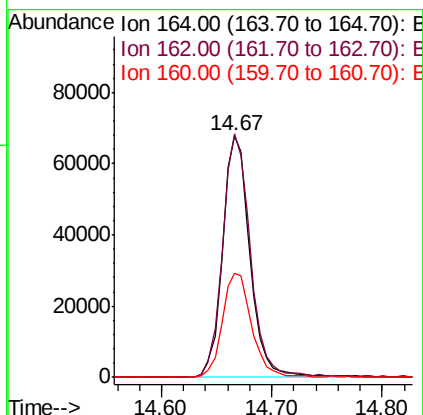
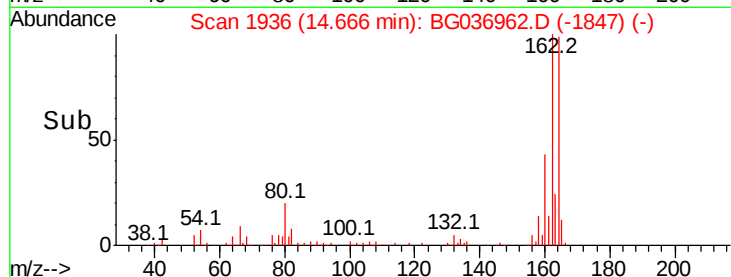
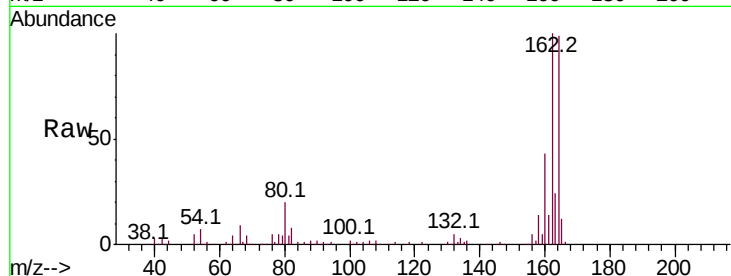
Tot Ion:164 Resp: 117333

Ion Ratio Lower Upper

164 100

162 100.8 80.7 121.1

160 43.2 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 147.885 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036962.D

Acq: 25 Sep 2018 23:29

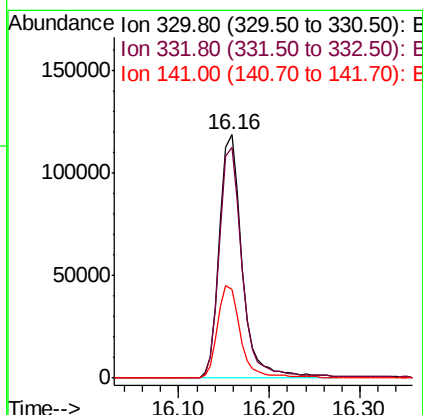
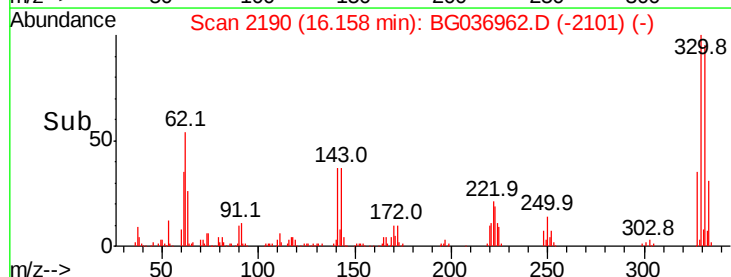
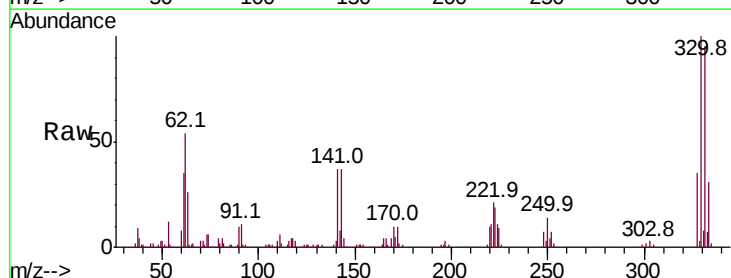
Tgt Ion:330 Resp: 207604

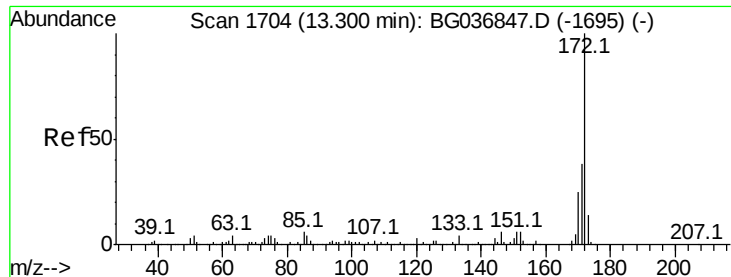
Ion Ratio Lower Upper

330 100

332 95.1 75.4 113.2

141 38.6 30.7 46.1



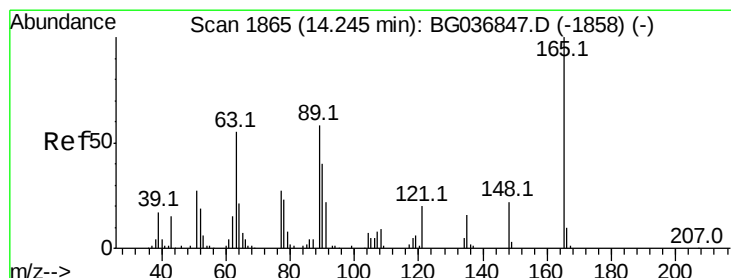
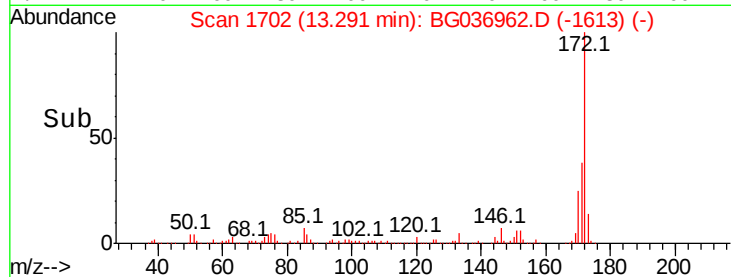
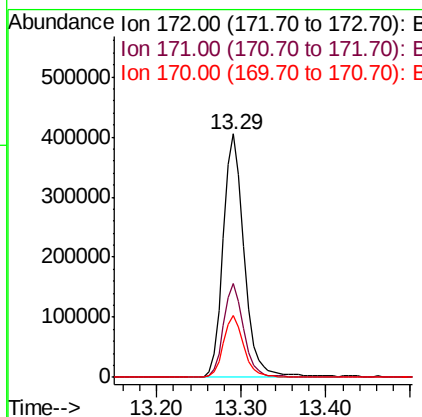
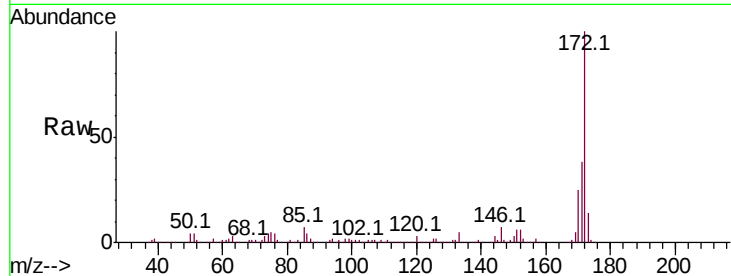


#44
 2-Fluorobiphenyl
 Concen: 88.854 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036962.D
 Acq: 25 Sep 2018 23:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 699987

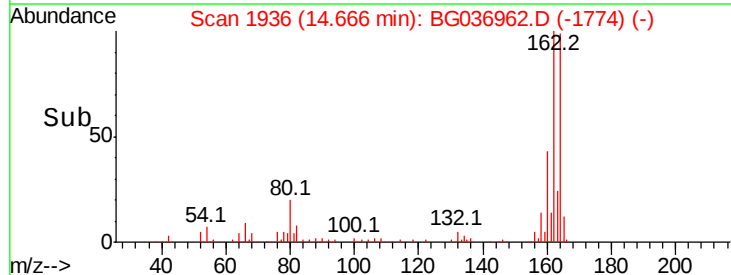
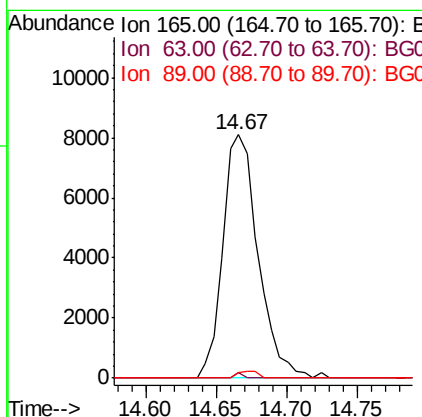
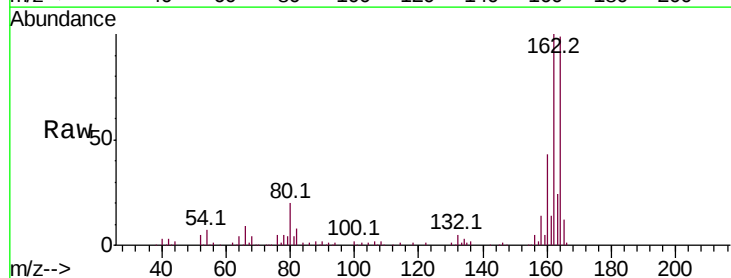
Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.3	46.9
170	25.3	21.0	31.6

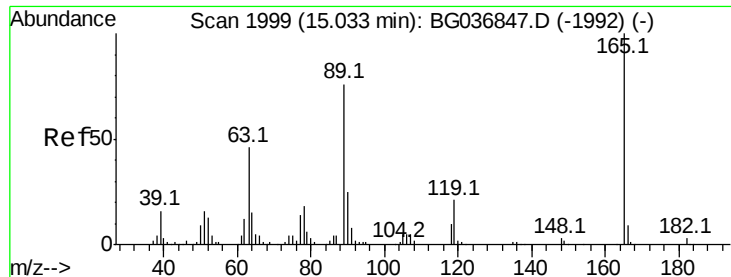


#50
 2,6-Dinitrotoluene
 Concen: 6.842 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036962.D
 Acq: 25 Sep 2018 23:29

Tgt Ion:165 Resp: 14098

Ion	Ratio	Lower	Upper
165	100		
63	2.3	50.1	75.1#
89	2.2	47.8	71.6#

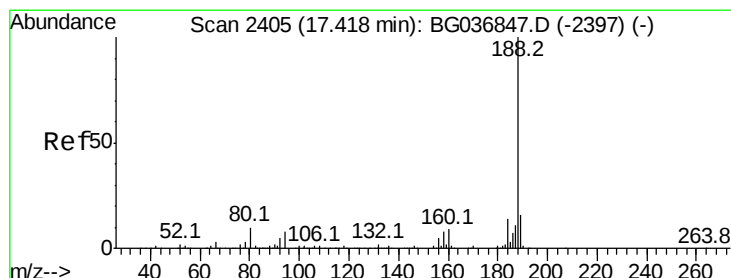
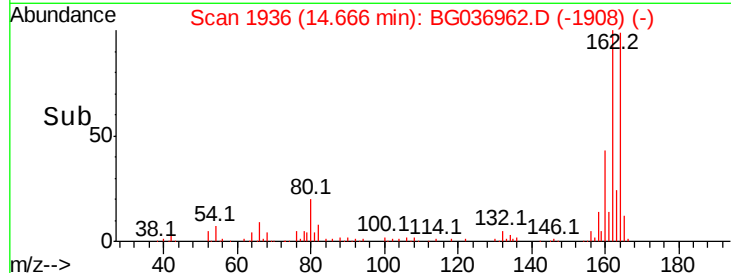
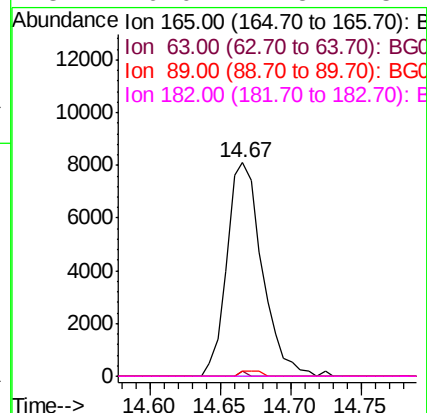
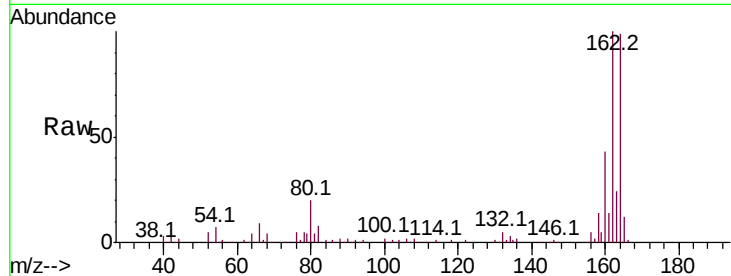




#56
 2,4-Dinitrotoluene
 Concen: 4.903 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG036962.D
 Acq: 25 Sep 2018 23:29

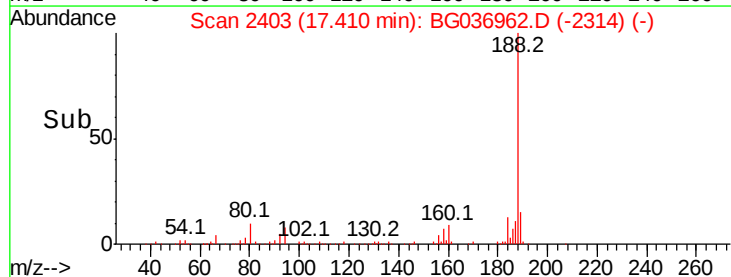
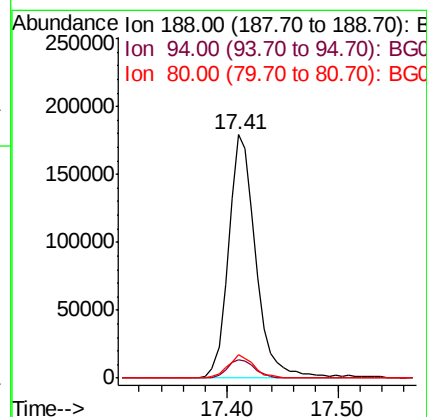
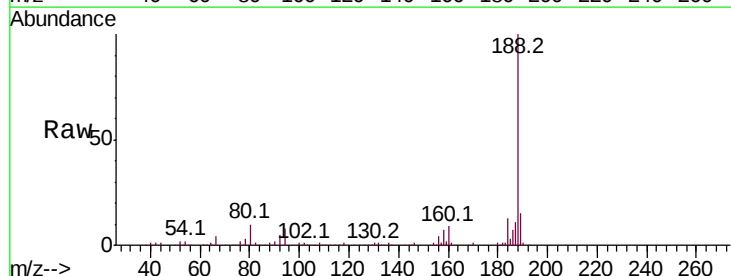
Instrument :
 BNA_F
 ClientSampleId :

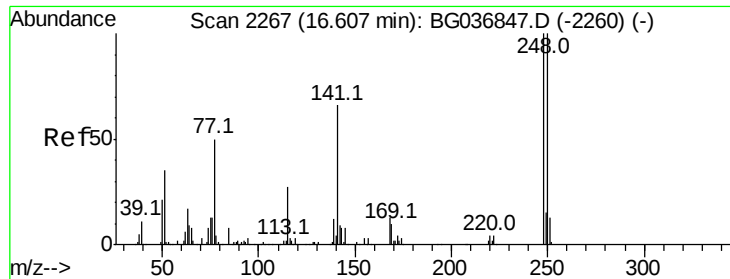
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	40.1	60.1#
89	2.2	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG036962.D
 Acq: 25 Sep 2018 23:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	9.5	8.1	12.1

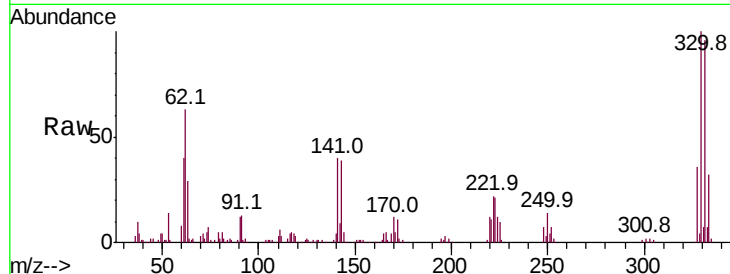




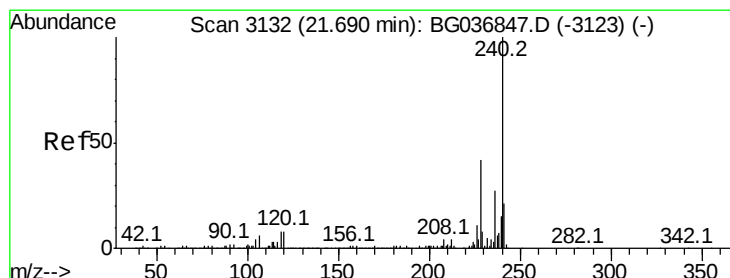
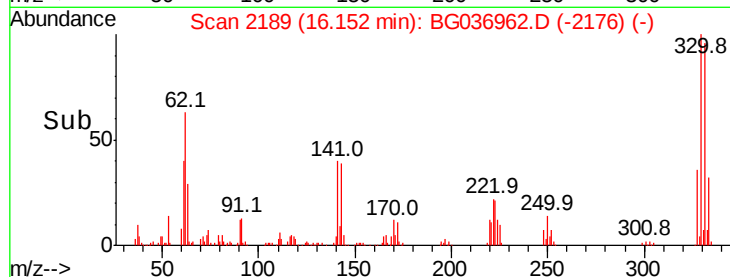
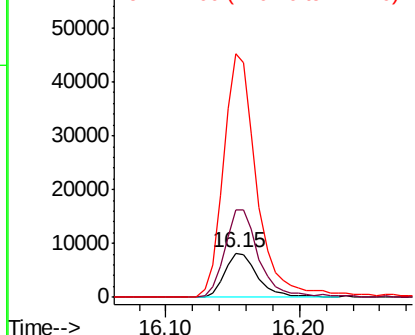
#66
 4-Bromophenyl-phenylether
 Concen: 4.068 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG036962.D
 Acq: 25 Sep 2018 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14319
 Ion Ratio Lower Upper
 248 100
 250 198.5 78.1 117.1#
 141 551.8 53.7 80.5#

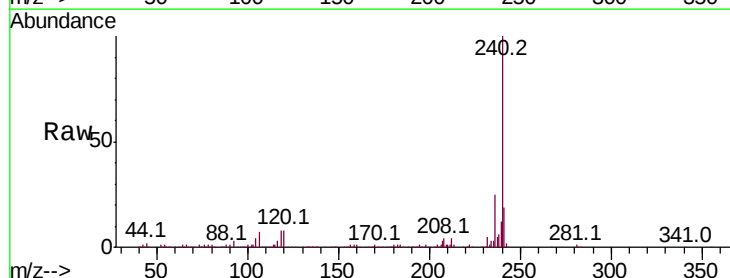


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

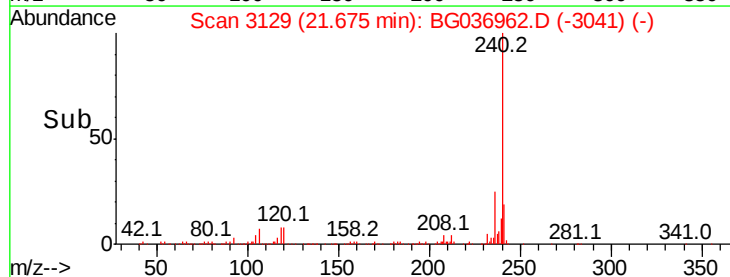
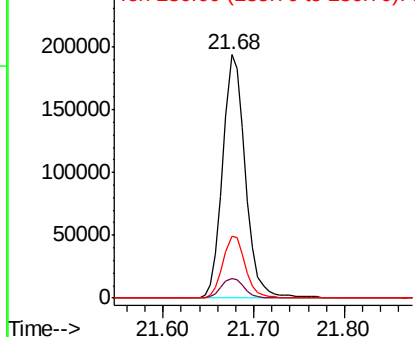


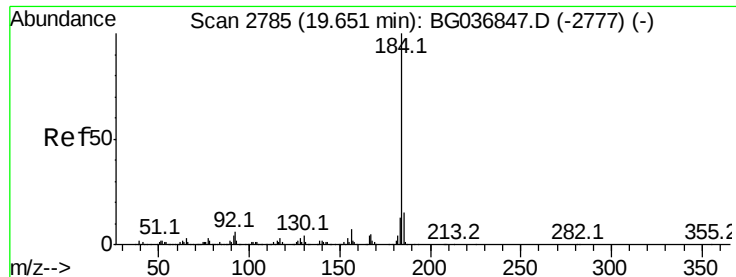
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG036962.D
 Acq: 25 Sep 2018 23:29

Tgt Ion:240 Resp: 336182
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 25.5 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: 2.233 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG036962.D

Acq: 25 Sep 2018 23:29

Instrument :

BNA_F

ClientSampleId :

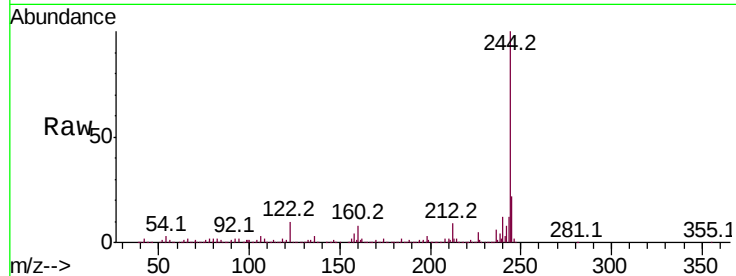
Tot Ion:184 Resp: 22690

Ion Ratio Lower Upper

184 100

185 16.1 12.6 18.8

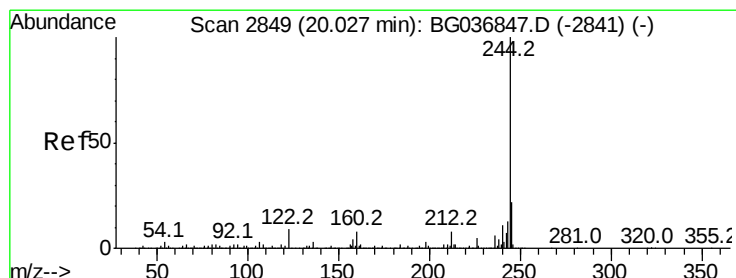
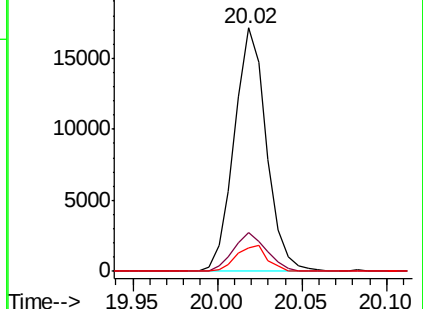
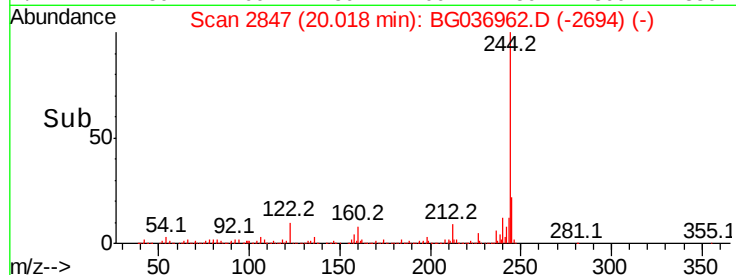
183 9.5 10.9 16.3#



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: 100.990 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG036962.D

Acq: 25 Sep 2018 23:29

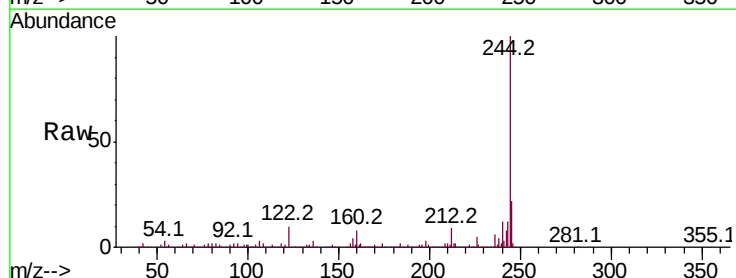
Tgt Ion:244 Resp: 1291164

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

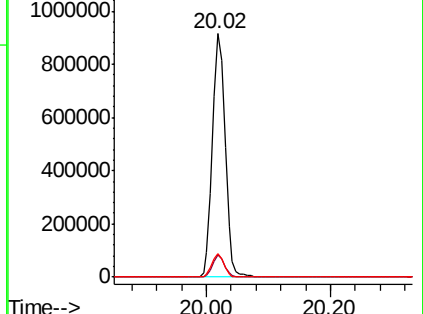
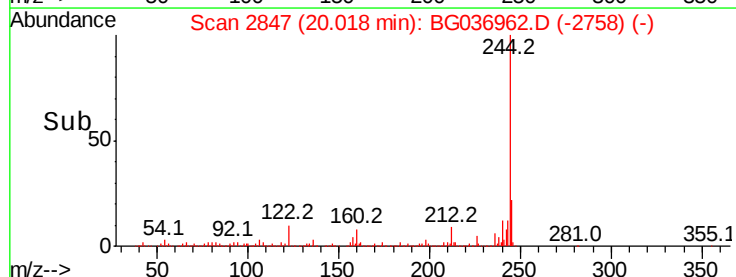
122 9.6 7.1 10.7

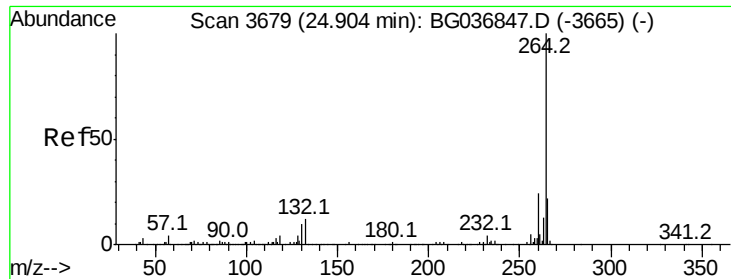


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG036962.D
Acq: 25 Sep 2018 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	22.0	17.4	26.0

