

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092518\
 Data File : BG036963.D
 Acq On : 26 Sep 2018 00:08
 Operator : JU/SJ
 Sample : PB113203TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 01:46:36 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

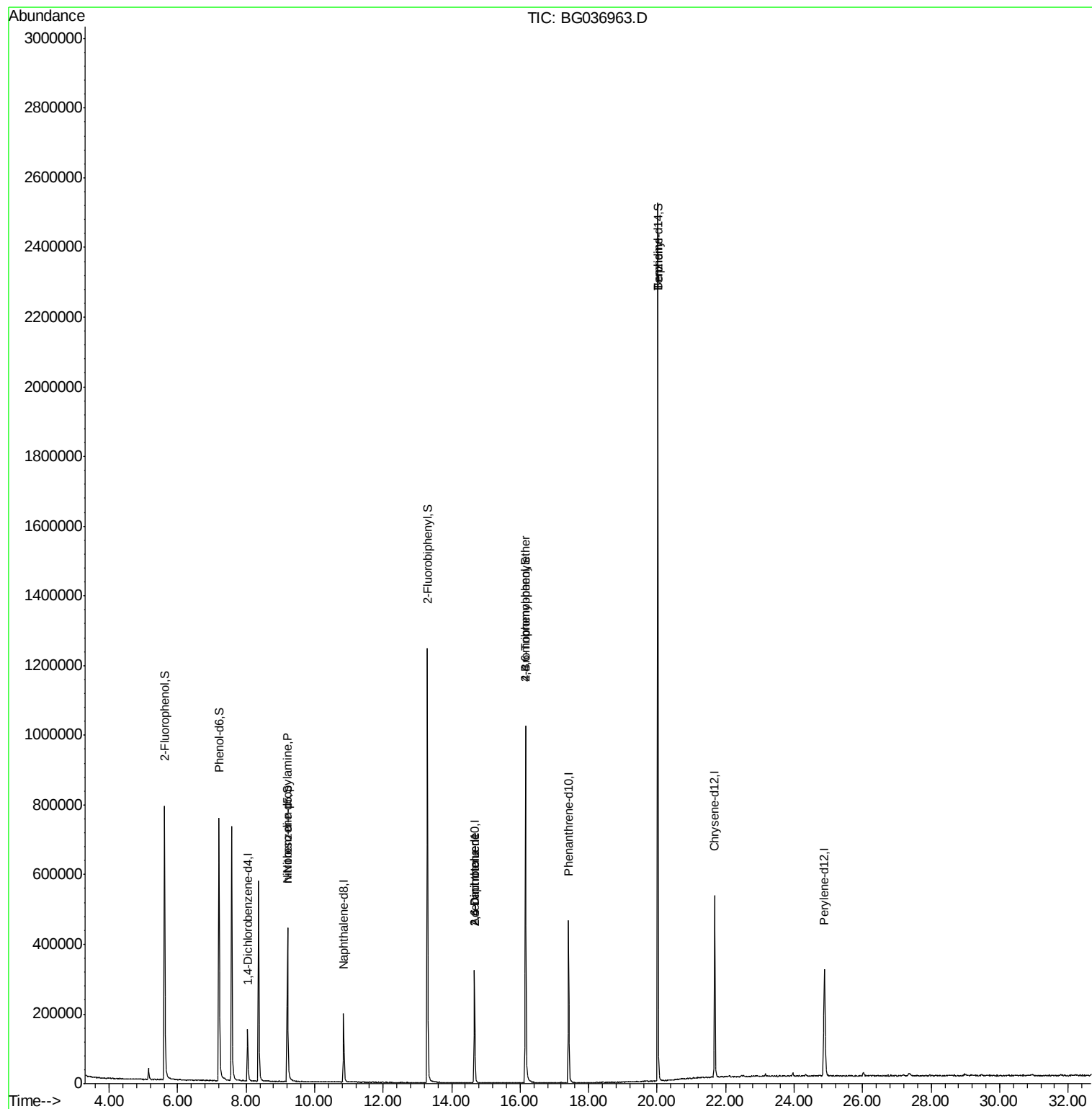
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	47461	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	190252	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	123199	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	328459	20.00	ng	0.00
75) Chrysene-d12	21.68	240	350544	20.00	ng	0.00
86) Perylene-d12	24.88	264	338410	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	358006	144.66	ng	0.00
7) Phenol-d6	7.20	99	492272	128.57	ng	0.00
23) Nitrobenzene-d5	9.20	82	322462	90.76	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	207619	140.85	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	706598	85.42	ng	0.00
78) Terphenyl-d14	20.02	244	1262179	94.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	42666	13.395	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	15931	7.363	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	15931	5.277	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	15153	4.056	ng	# 1
76) Benzidine	20.02	184	22172	2.092	ng	# 94

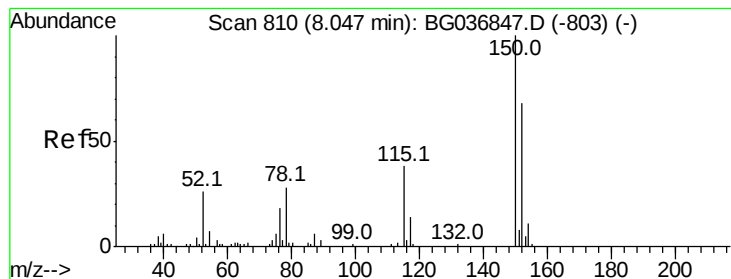
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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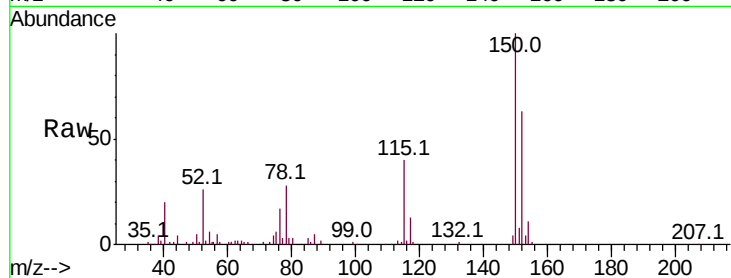


#1

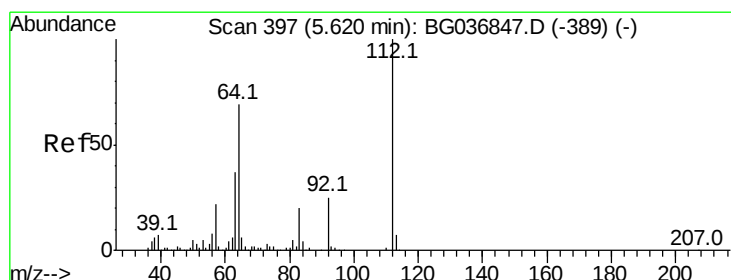
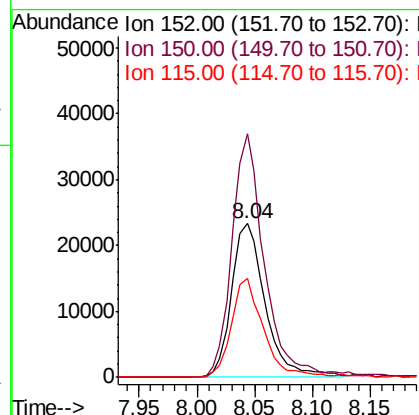
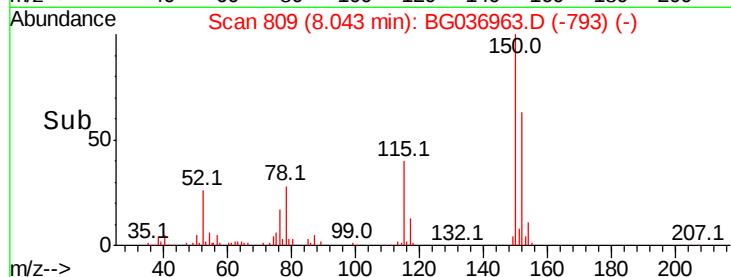
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG036963.D
Acq: 26 Sep 2018 00:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 47461
Ion Ratio Lower Upper
152 100
150 158.4 119.5 179.3
115 64.1 44.5 66.7



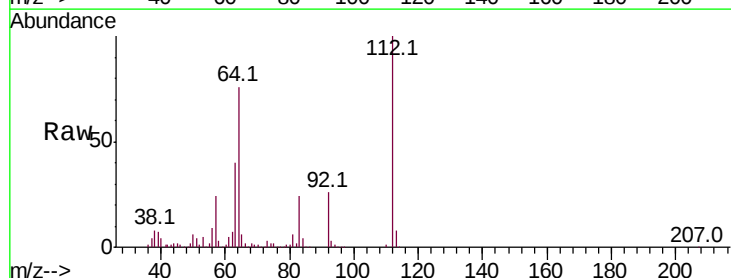
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



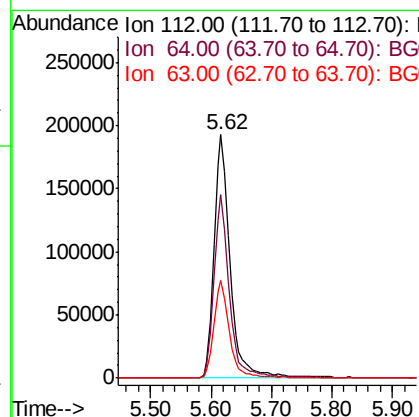
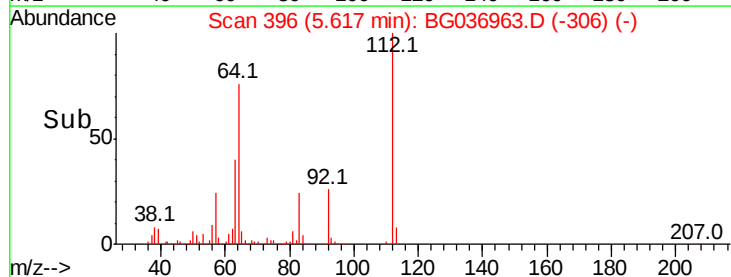
#5

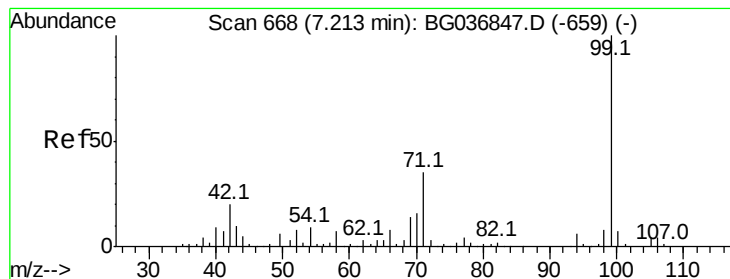
2-Fluorophenol
Concen: 144.661 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG036963.D
Acq: 26 Sep 2018 00:08

Tgt Ion:112 Resp: 358006
Ion Ratio Lower Upper
112 100
64 75.6 57.2 85.8
63 40.3 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: 128.567 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036963.D

Acq: 26 Sep 2018 00:08

Instrument :

BNA_F

ClientSampleId :

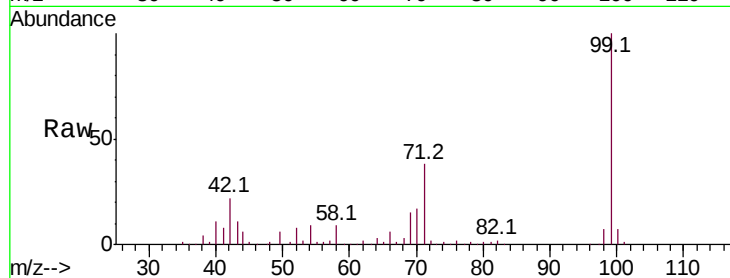
Tot Ion: 99 Resp: 492272

Ion Ratio Lower Upper

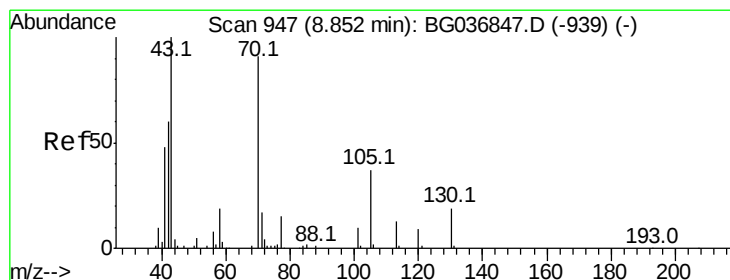
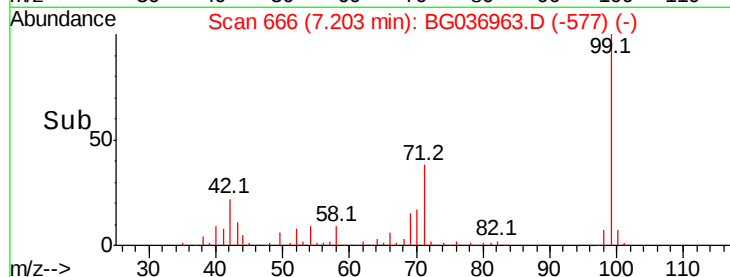
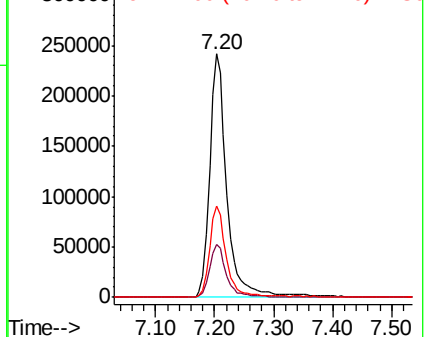
99 100

42 21.8 16.5 24.7

71 37.7 29.4 44.2



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: 13.395 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036963.D

Acq: 26 Sep 2018 00:08

Tgt Ion: 70 Resp: 42666

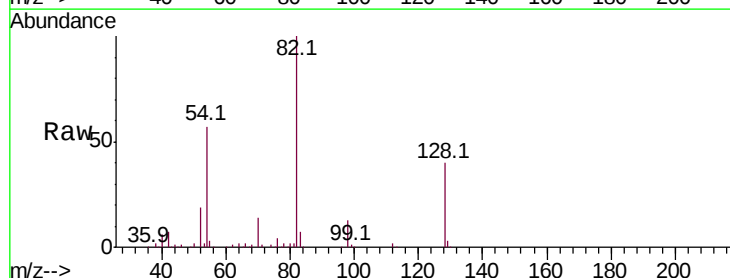
Ion Ratio Lower Upper

70 100

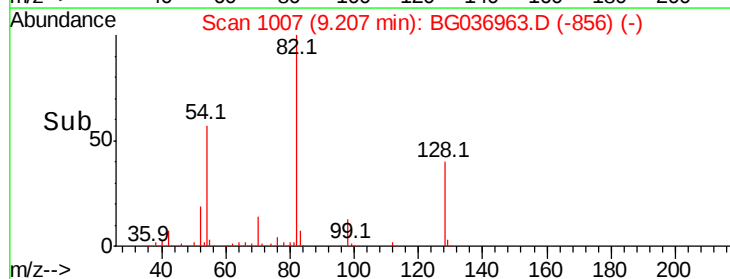
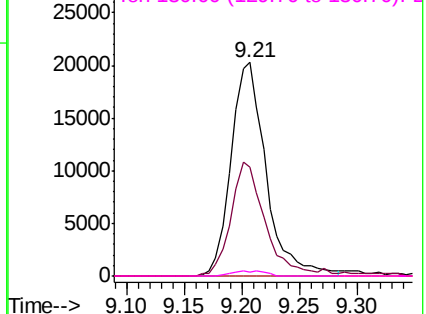
42 50.7 56.2 84.4#

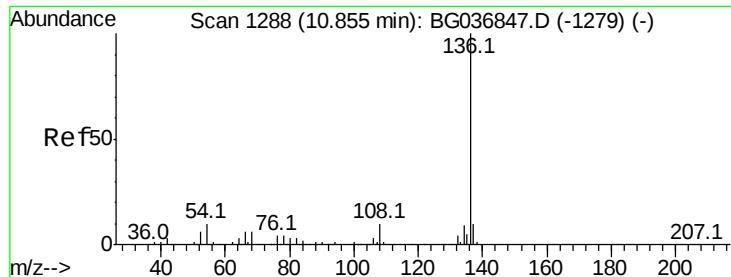
101 0.0 7.8 11.6#

130 1.8 16.2 24.2#



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

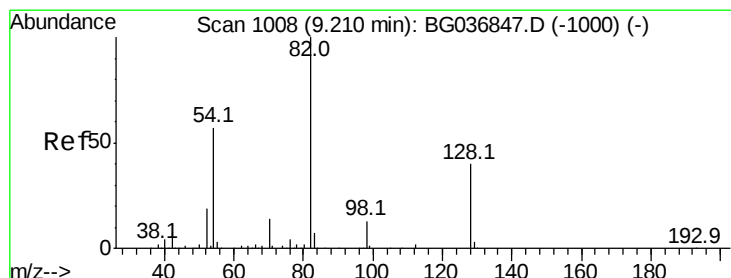
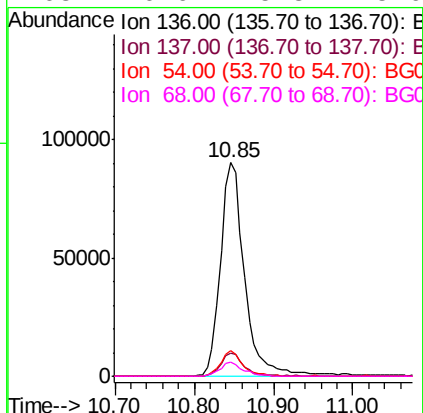
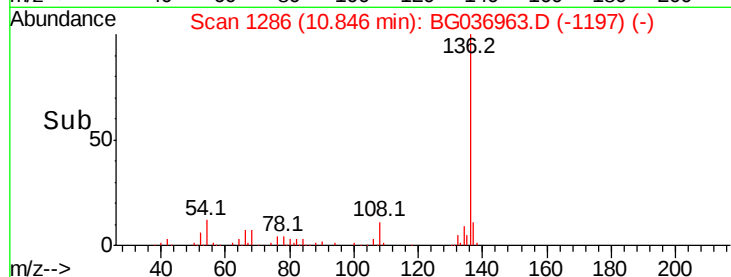
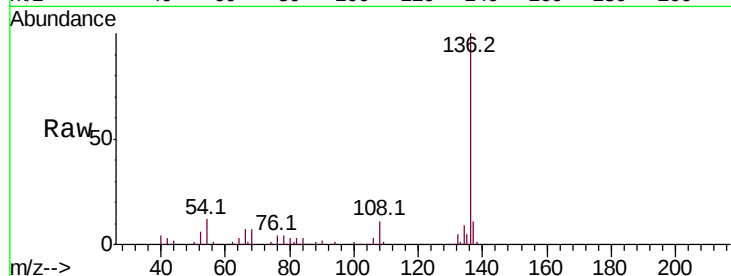




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG036963.D
Acq: 26 Sep 2018 00:08

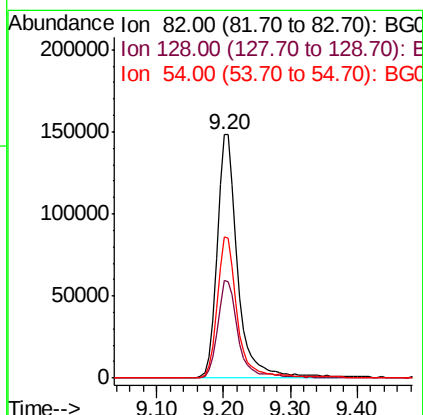
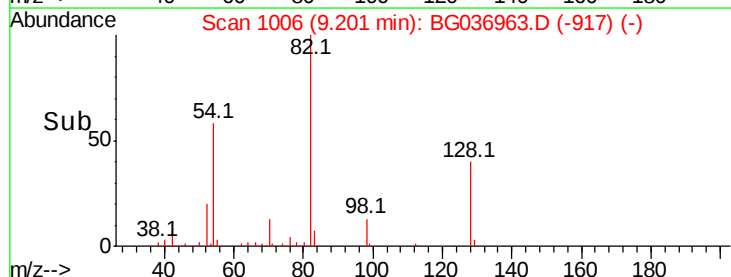
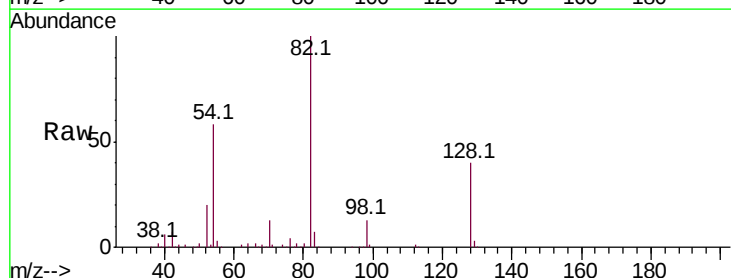
Instrument :
BNA_F
ClientSampleId :

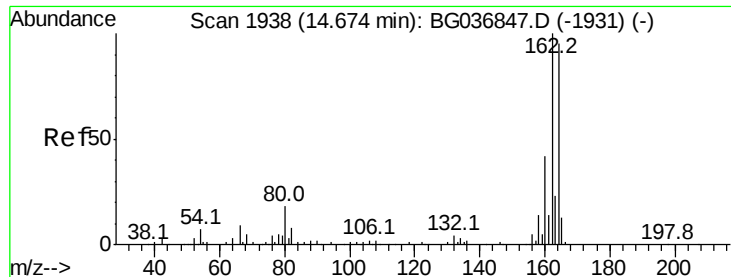
Tot Ion:136	Resp:	190252
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	11.9	9.2 13.8
68	6.6	5.8 8.6



#23
Nitrobenzene-d5
Concen: 90.765 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG036963.D
Acq: 26 Sep 2018 00:08

Tgt Ion: 82	Resp:	322462
Ion	Ratio	Lower Upper
82	100	
128	40.2	33.3 49.9
54	57.9	45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG036963.D

Acq: 26 Sep 2018 00:08

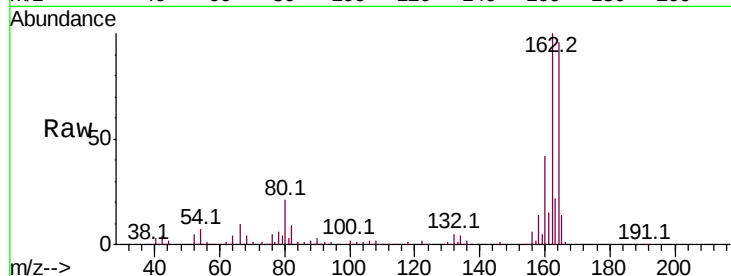
Instrument :

BNA_F

ClientSampled :

Tot Ion:164 Resp: 123199

Ion	Ratio	Lower	Upper
164	100		
162	104.3	80.7	121.1
160	43.7	35.3	52.9

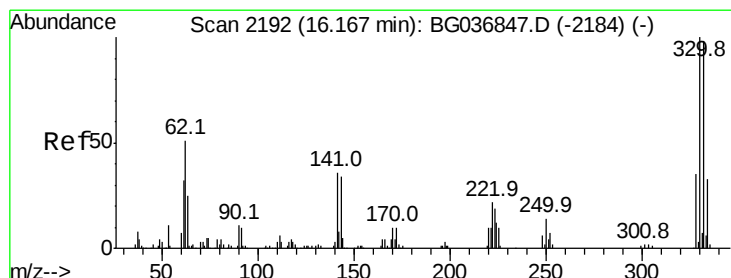
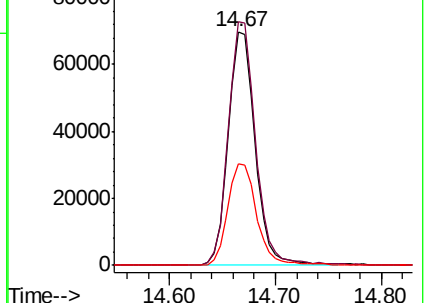
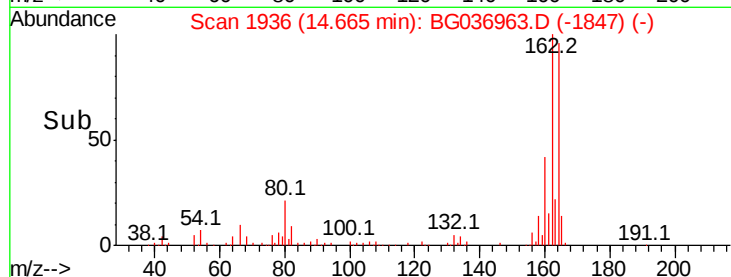


Abundance

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: 140.854 ng

RT: 16.16 min Scan# 2190

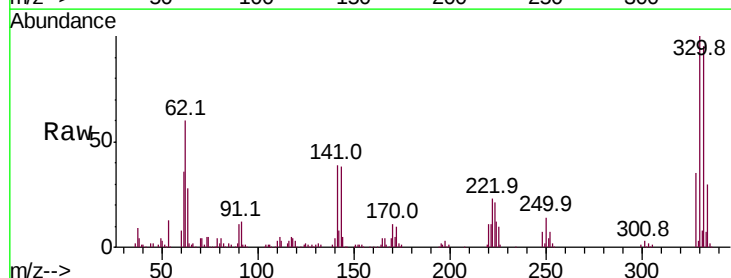
Delta R.T. -0.01 min

Lab File: BG036963.D

Acq: 26 Sep 2018 00:08

Tgt Ion:330 Resp: 207619

Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.4	113.2
141	38.5	30.7	46.1

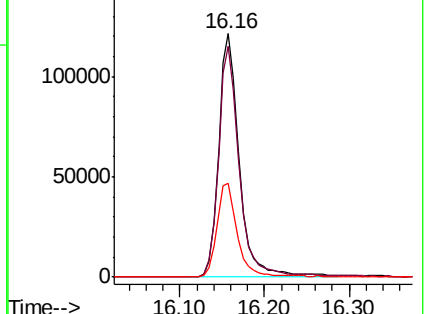
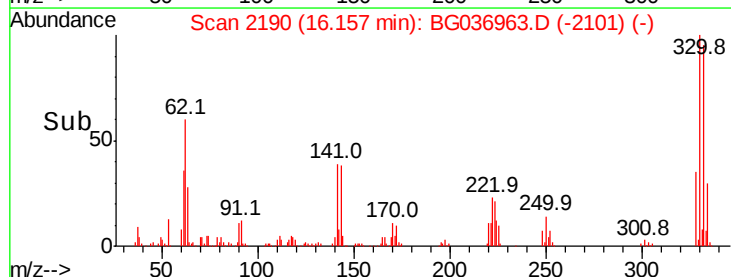


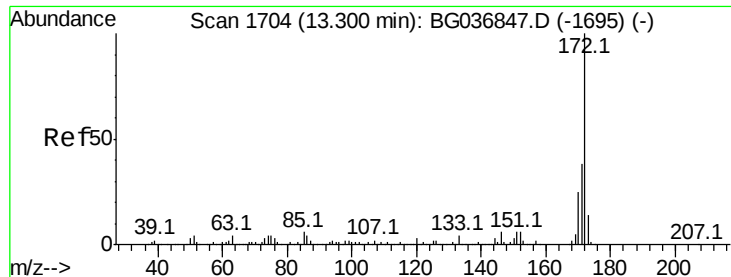
Abundance

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

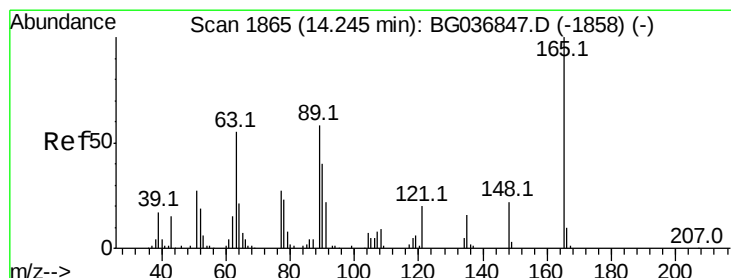
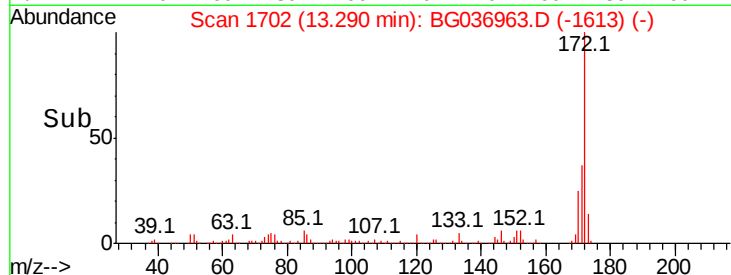
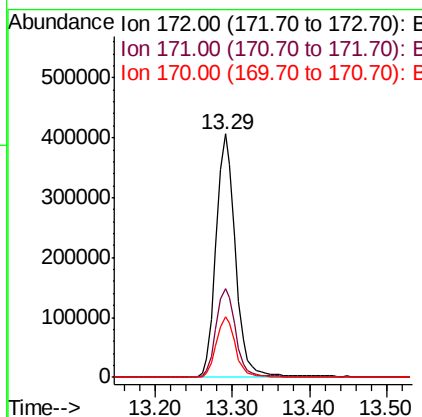
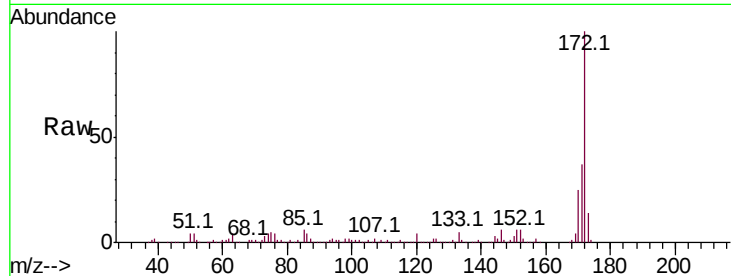




#44
 2-Fluorobiphenyl
 Concen: 85.423 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036963.D
 Acq: 26 Sep 2018 00:08

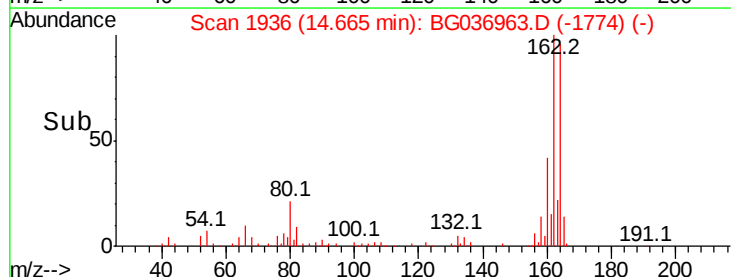
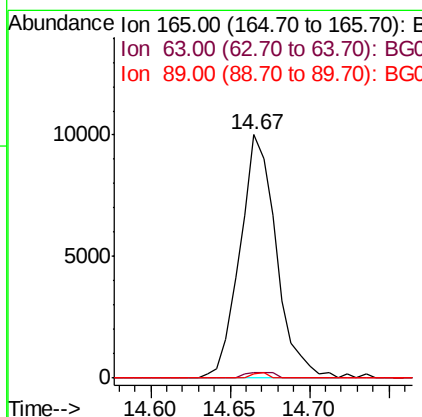
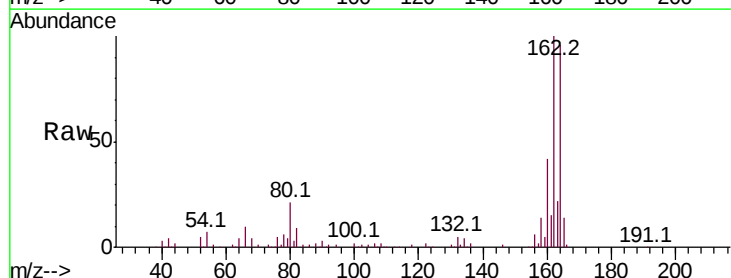
Instrument :
 BNA_F
 ClientSampled :

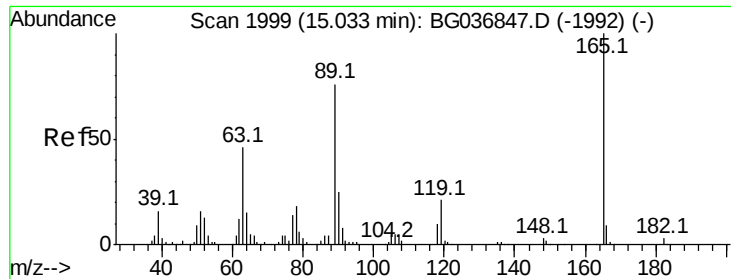
Tot Ion:172 Resp: 706598
 Ion Ratio Lower Upper
 172 100
 171 36.7 31.3 46.9
 170 24.9 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.363 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036963.D
 Acq: 26 Sep 2018 00:08

Tgt Ion:165 Resp: 15931
 Ion Ratio Lower Upper
 165 100
 63 2.0 50.1 75.1#
 89 2.0 47.8 71.6#

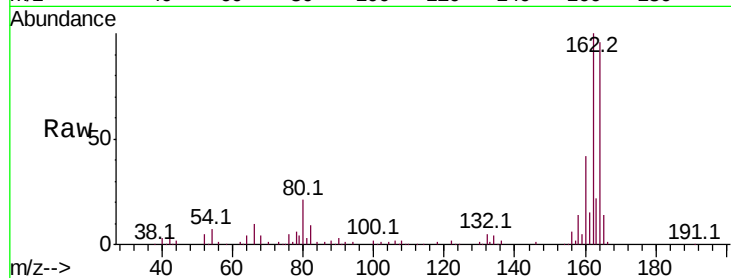




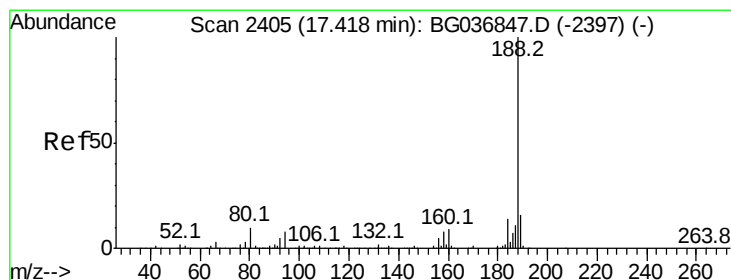
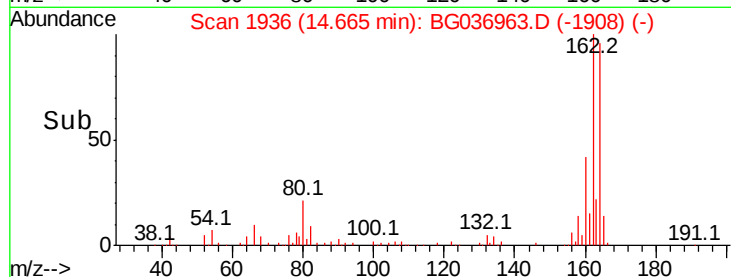
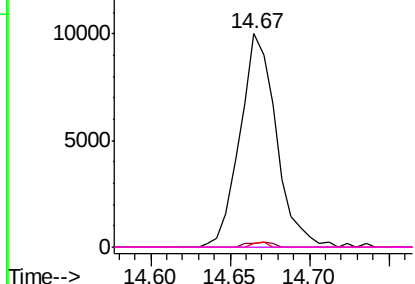
#56
 2,4-Dinitrotoluene
 Concen: 5.277 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG036963.D
 Acq: 26 Sep 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 15931
 Ion Ratio Lower Upper
 165 100
 63 2.0 40.1 60.1#
 89 2.0 63.7 95.5#
 182 0.0 2.5 3.7#

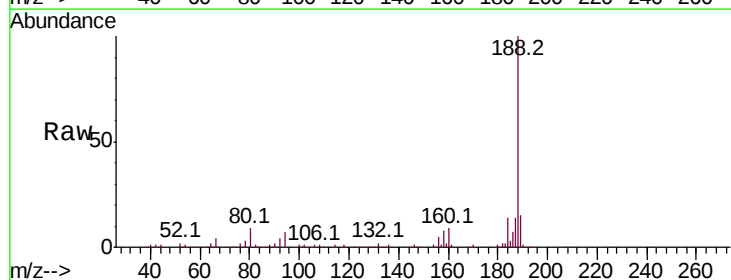


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

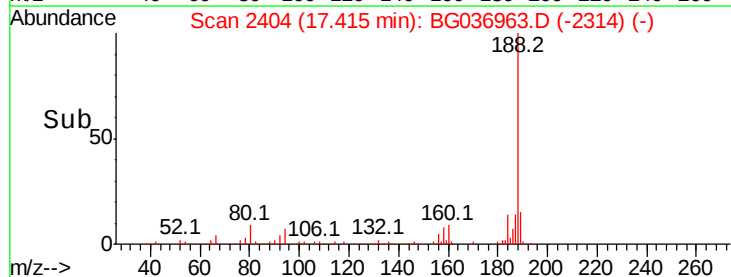
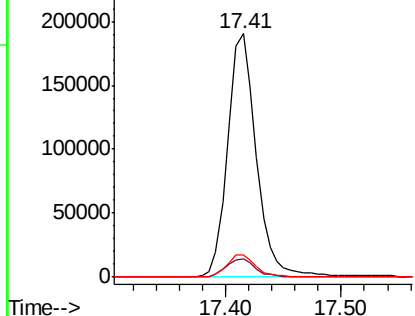


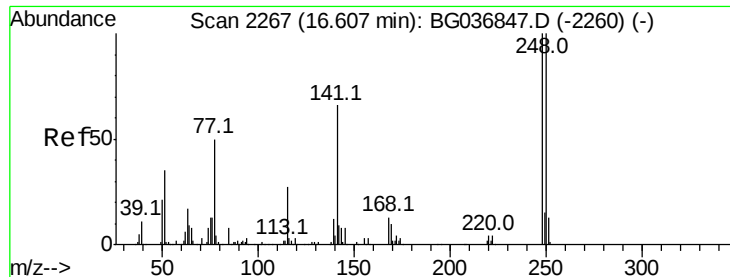
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG036963.D
 Acq: 26 Sep 2018 00:08

Tgt Ion:188 Resp: 328459
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.7 10.1
 80 9.3 8.1 12.1



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

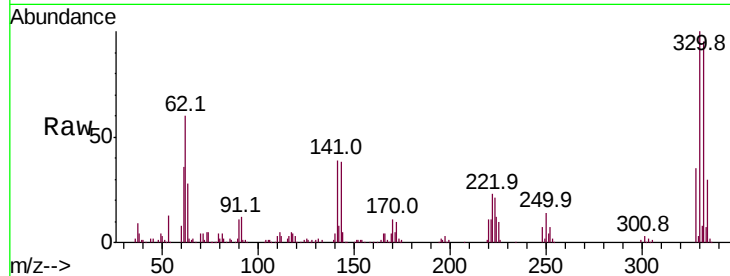




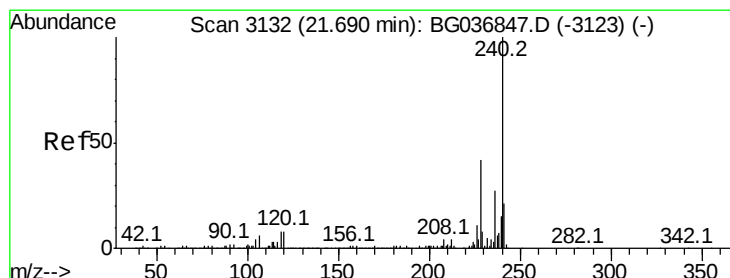
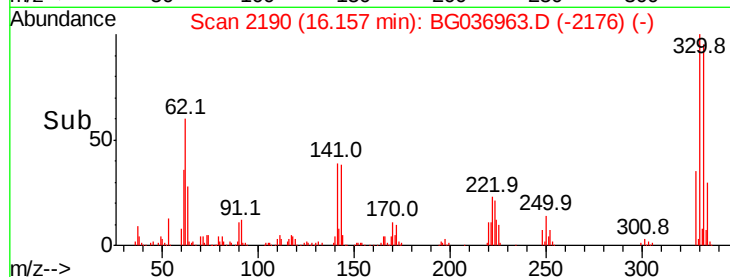
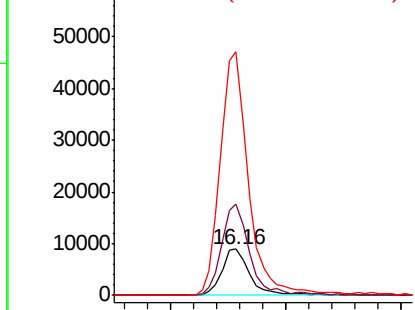
#66
4-Bromophenyl-phenylether
Concen: 4.056 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG036963.D
Acq: 26 Sep 2018 00:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15153
Ion Ratio Lower Upper
248 100
250 195.4 78.1 117.1#
141 524.1 53.7 80.5#

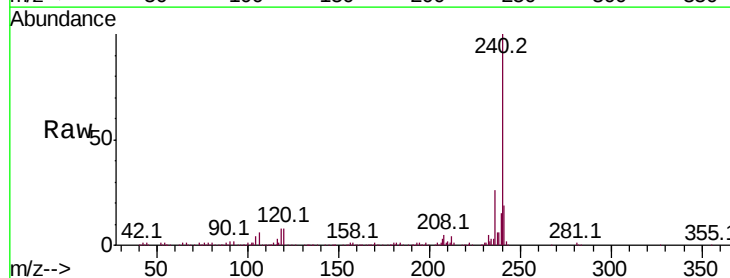


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

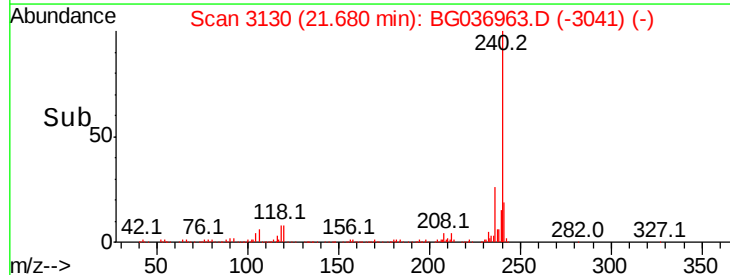
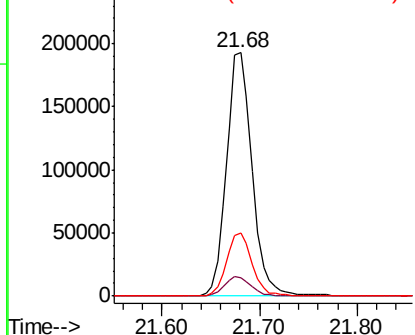


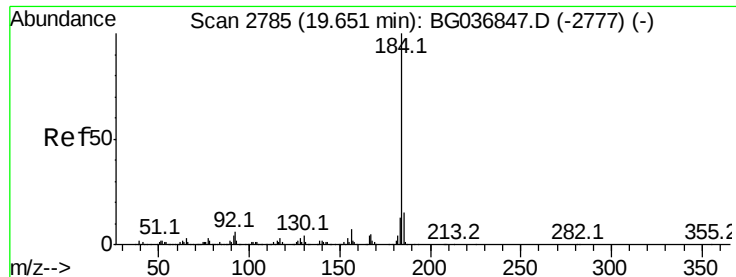
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036963.D
Acq: 26 Sep 2018 00:08

Tgt Ion:240 Resp: 350544
Ion Ratio Lower Upper
240 100
120 7.7 6.9 10.3
236 26.0 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: 2.092 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG036963.D

Acq: 26 Sep 2018 00:08

Instrument :

BNA_F

ClientSampleId :

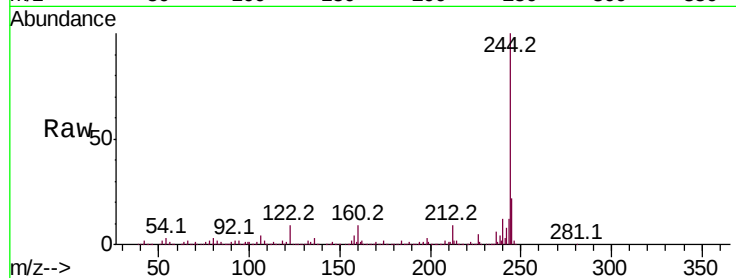
Tot Ion:184 Resp: 22172

Ion Ratio Lower Upper

184 100

185 17.1 12.6 18.8

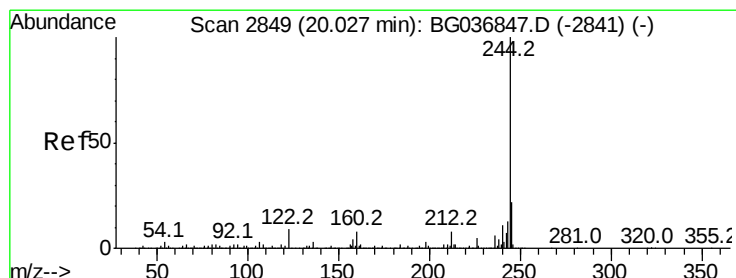
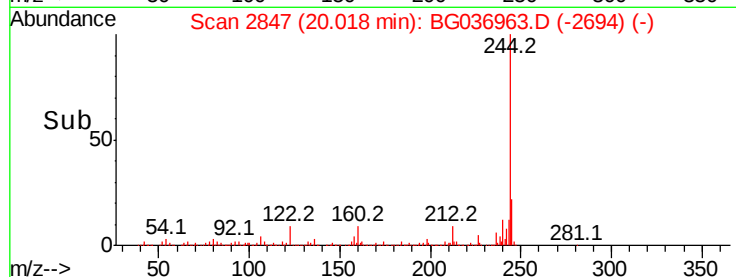
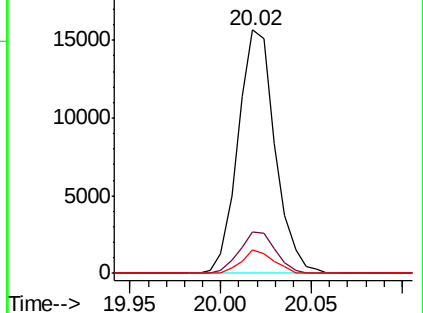
183 9.5 10.9 16.3#



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: 94.678 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG036963.D

Acq: 26 Sep 2018 00:08

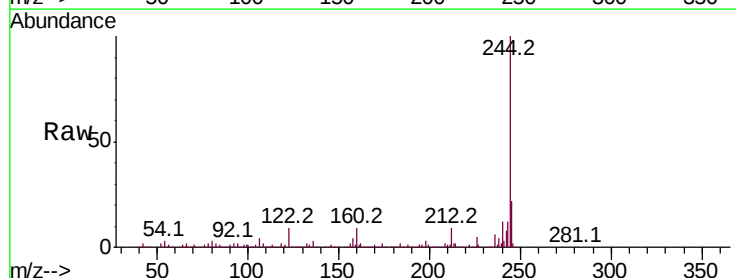
Tgt Ion:244 Resp: 1262179

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

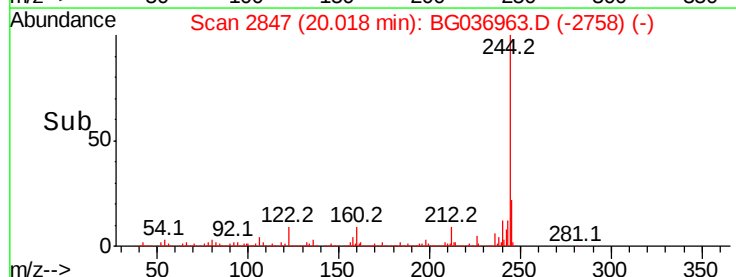
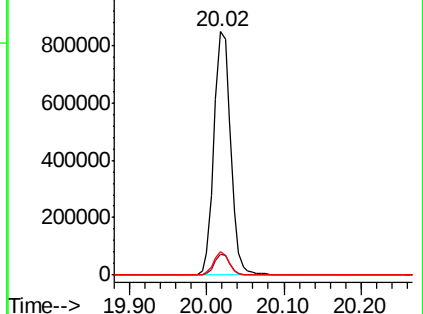
122 9.4 7.1 10.7

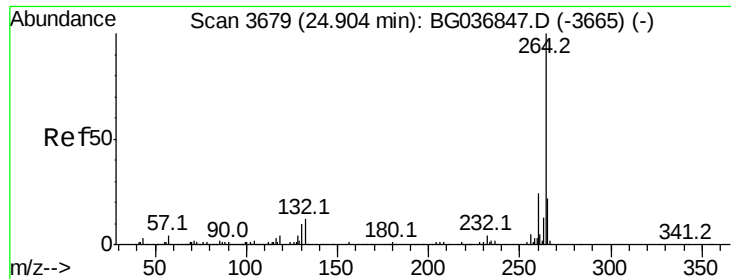


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG036963.D
Acq: 26 Sep 2018 00:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.5	17.4	26.0

