

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092418\
 Data File : BG036939.D
 Acq On : 25 Sep 2018 5:33
 Operator : JU/SJ
 Sample : J5023-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-PIT-1

Quant Time: Sep 25 07:30:56 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

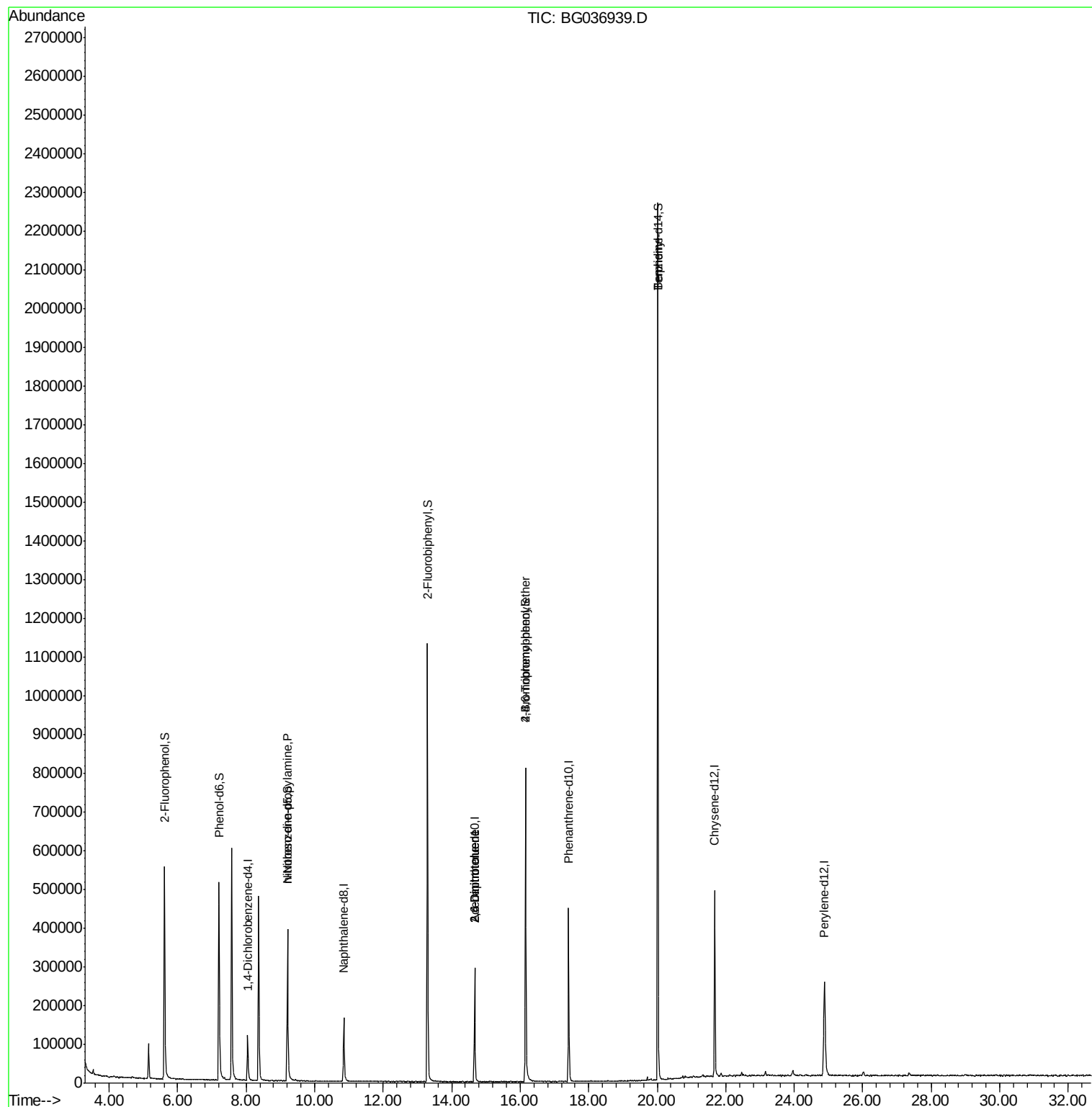
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	38012	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	164450	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	111381	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	295052	20.00	ng	0.00
75) Chrysene-d12	21.68	240	311033	20.00	ng	0.00
86) Perylene-d12	24.88	264	302571	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	255599	128.95	ng	0.00
7) Phenol-d6	7.20	99	332385	108.39	ng	0.00
23) Nitrobenzene-d5	9.21	82	278324	90.63	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	159637	119.79	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	633789	84.75	ng	0.00
78) Terphenyl-d14	20.02	244	1162276	98.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	35927	14.083	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	13520	6.912	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	13520	4.953	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11619	3.462	ng	# 1
76) Benzidine	20.02	184	20295	2.158	ng	95

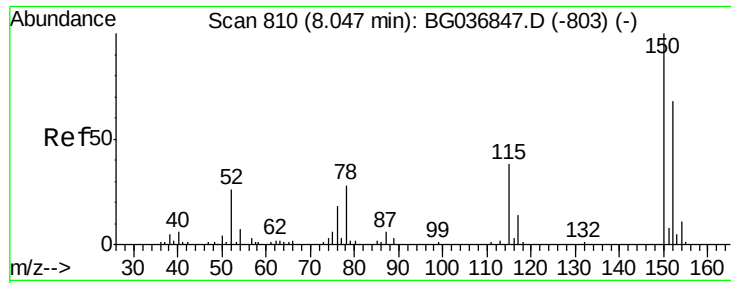
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.00 min

Lab File: BG036939.D

Acq: 25 Sep 2018 5:33

Instrument :

BNA_G

ClientSampleId :

NB-PIT-1

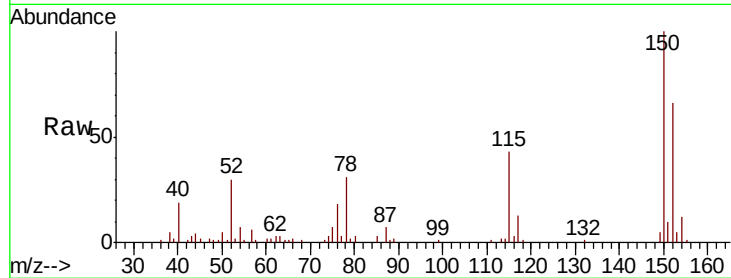
Tgt Ion:152 Resp: 38012

Ion Ratio Lower Upper

152 100

150 150.5 119.5 179.3

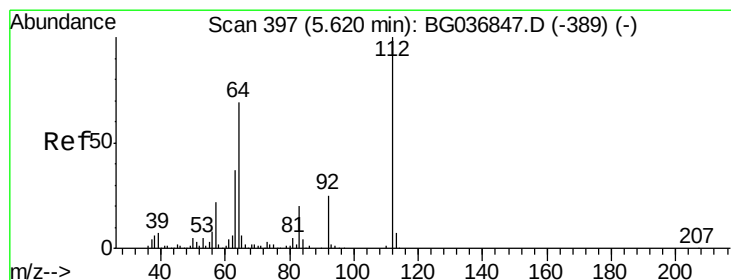
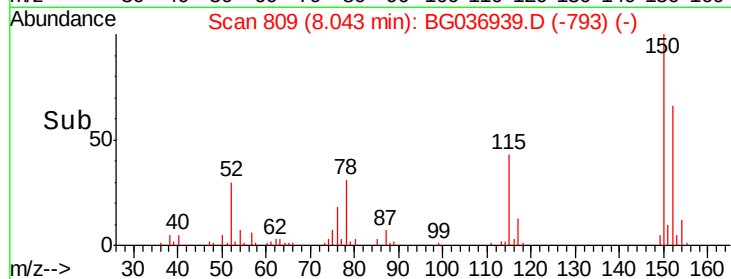
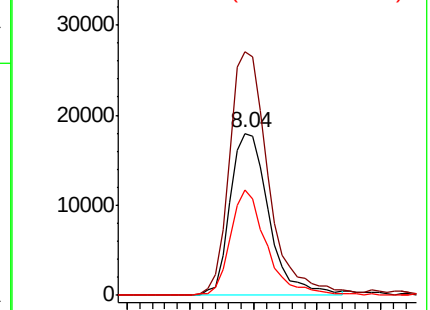
115 65.2 44.5 66.7



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: 128.955 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG036939.D

Acq: 25 Sep 2018 5:33

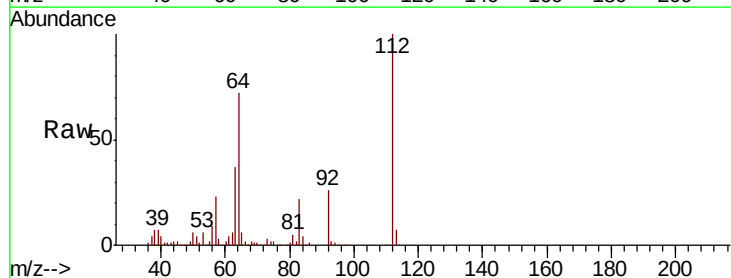
Tgt Ion:112 Resp: 255599

Ion Ratio Lower Upper

112 100

64 71.9 57.2 85.8

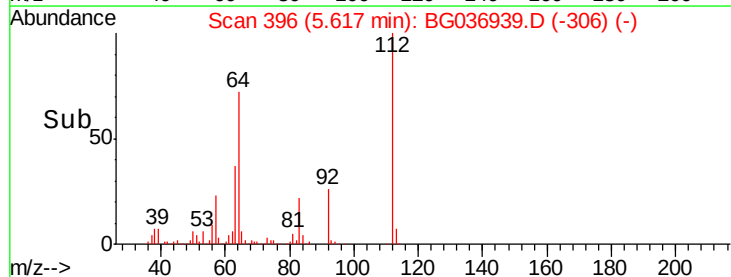
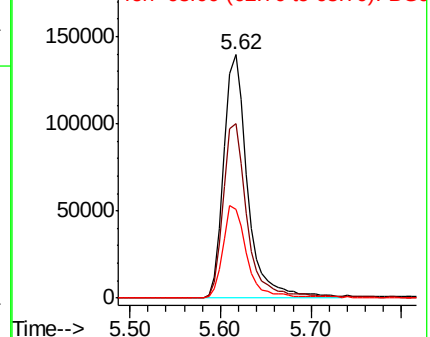
63 36.6 30.8 46.2

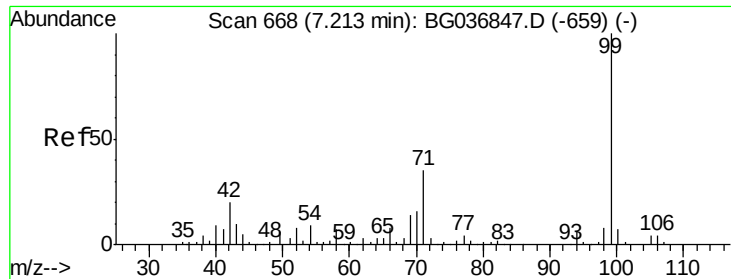


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 108.388 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036939.D

Acq: 25 Sep 2018 5:33

Instrument :

BNA_G

ClientSampleId :

NB-PIT-1

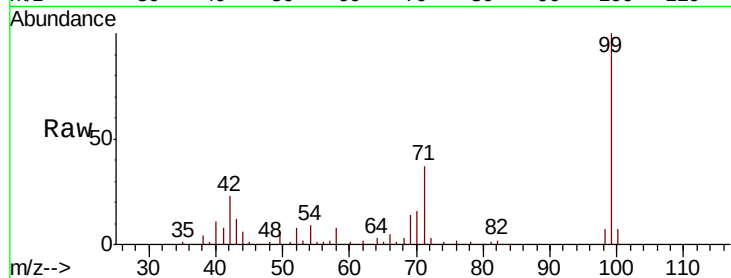
Tgt Ion: 99 Resp: 332385

Ion Ratio Lower Upper

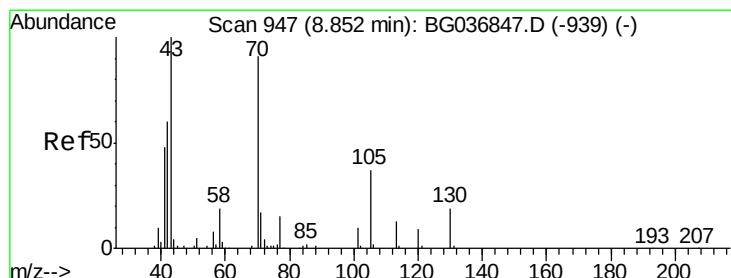
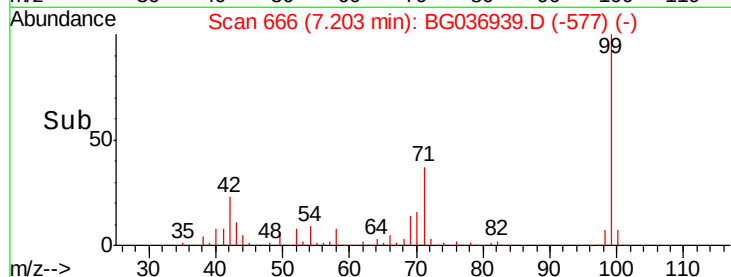
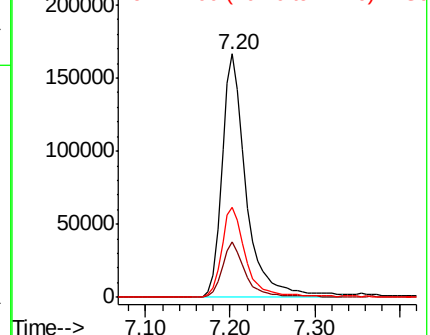
99 100

42 22.6 16.5 24.7

71 36.8 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: 14.083 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036939.D

Acq: 25 Sep 2018 5:33

Tgt Ion: 70 Resp: 35927

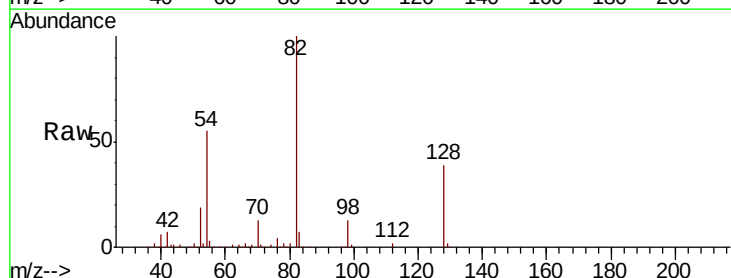
Ion Ratio Lower Upper

70 100

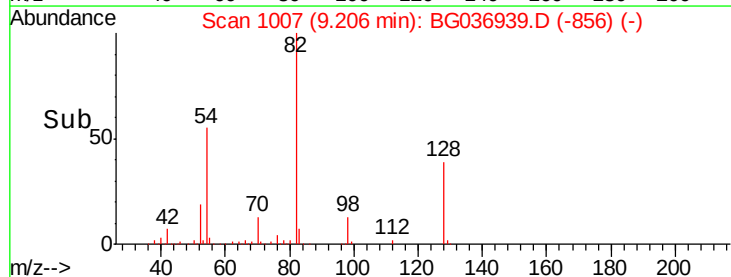
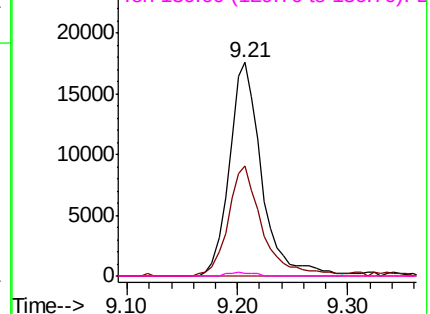
42 51.3 56.2 84.4#

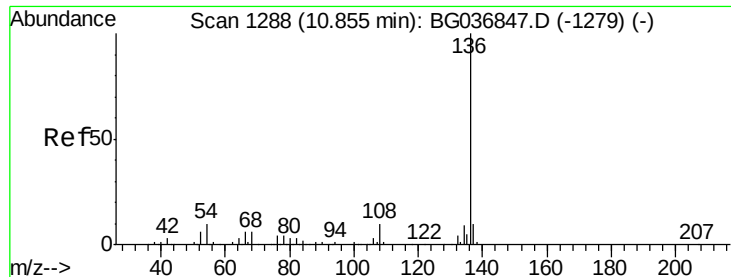
101 0.0 7.8 11.6#

130 1.5 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

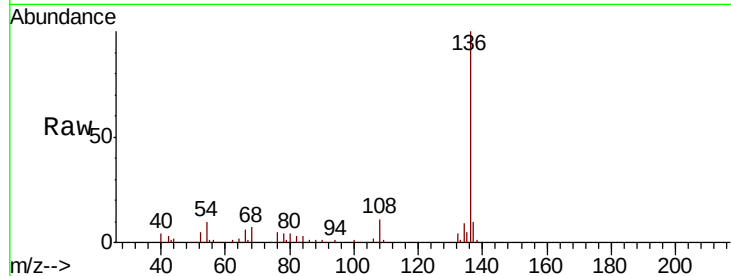




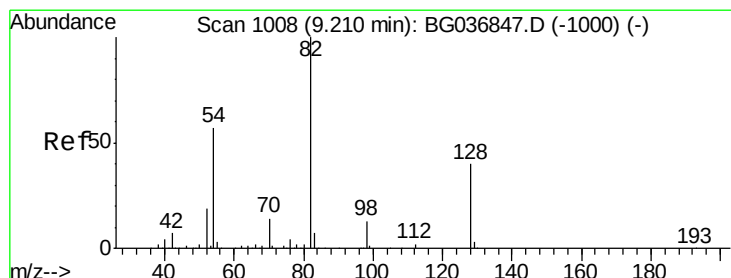
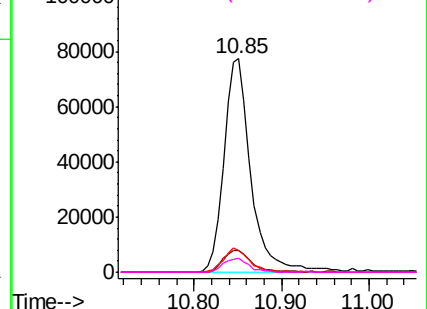
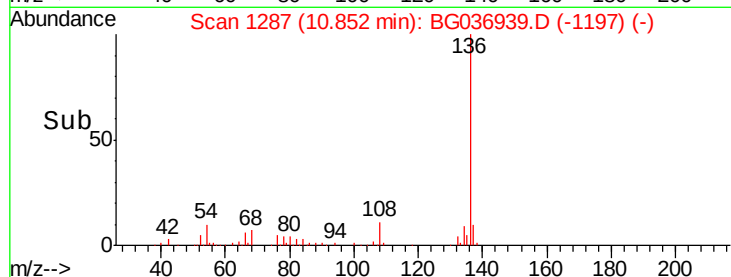
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036939.D
Acq: 25 Sep 2018 5:33

Instrument :
BNA_G
ClientSampleId :
NB-PIT-1

Tgt Ion:	136	Resp:	164450
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	10.3	9.2	13.8
68	6.9	5.8	8.6

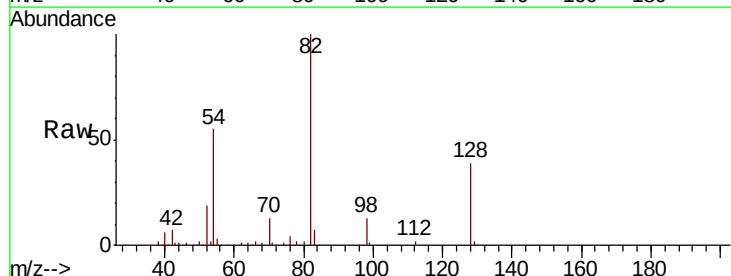


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

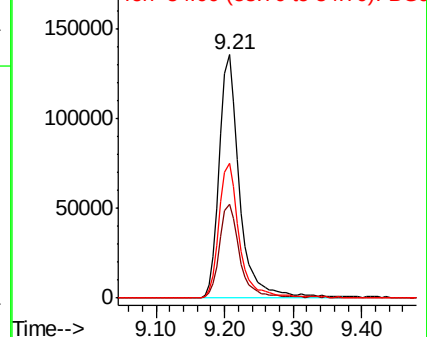
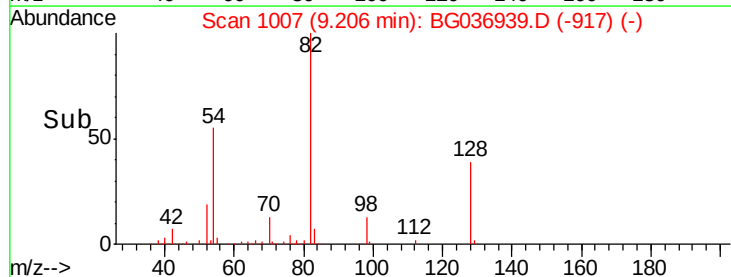


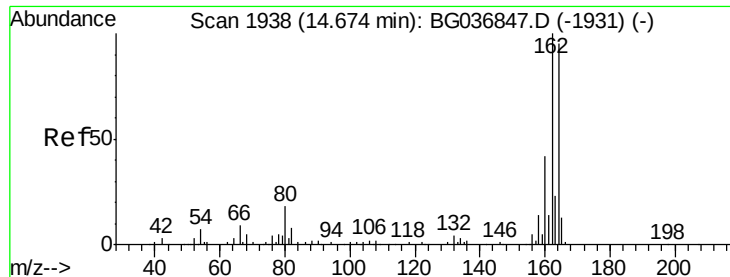
#23
Nitrobenzene-d5
Concen: 90.633 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036939.D
Acq: 25 Sep 2018 5:33

Tgt Ion:	82	Resp:	278324
Ion	Ratio	Lower	Upper
82	100		
128	38.7	33.3	49.9
54	55.4	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: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG036939.D

Acq: 25 Sep 2018 5:33

Instrument :

BNA_G

ClientSampleId :

NB-PIT-1

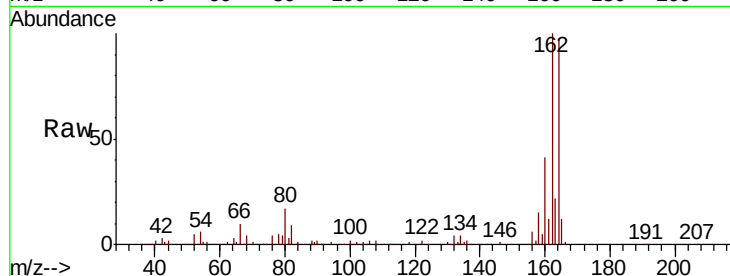
Tgt Ion:164 Resp: 111381

Ion Ratio Lower Upper

164 100

162 103.6 80.7 121.1

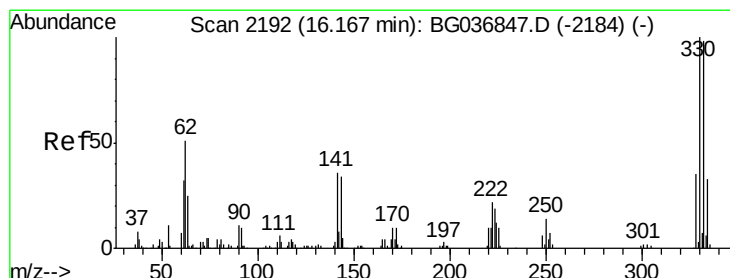
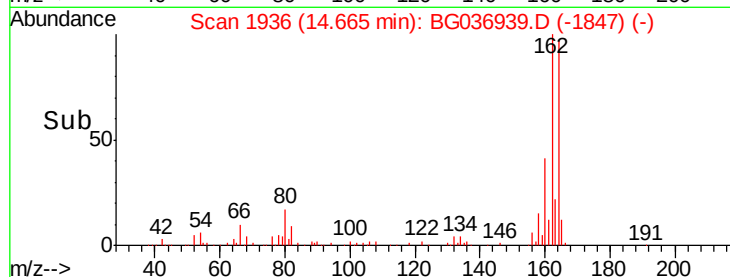
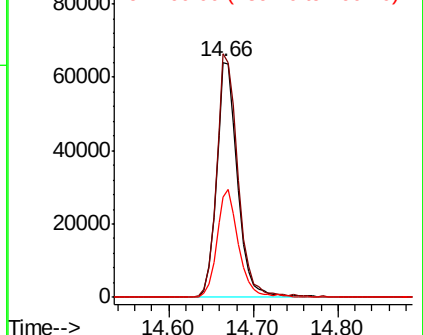
160 42.7 35.3 52.9



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: 119.793 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036939.D

Acq: 25 Sep 2018 5:33

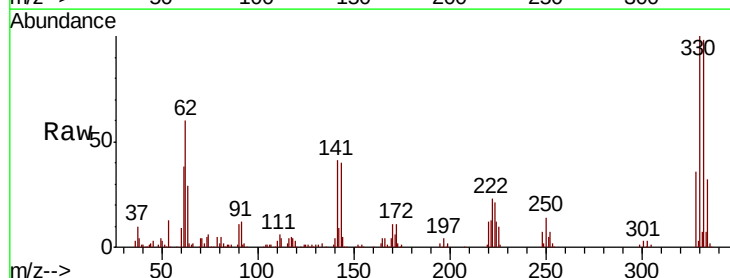
Tgt Ion:330 Resp: 159637

Ion Ratio Lower Upper

330 100

332 97.8 75.4 113.2

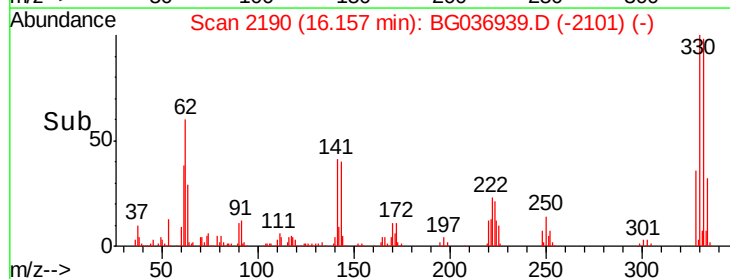
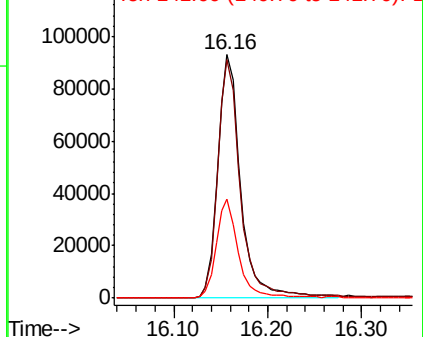
141 39.3 30.7 46.1

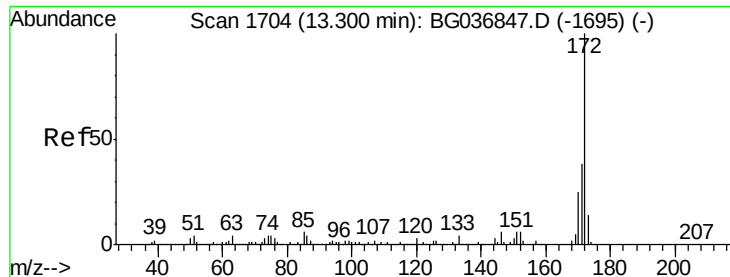


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

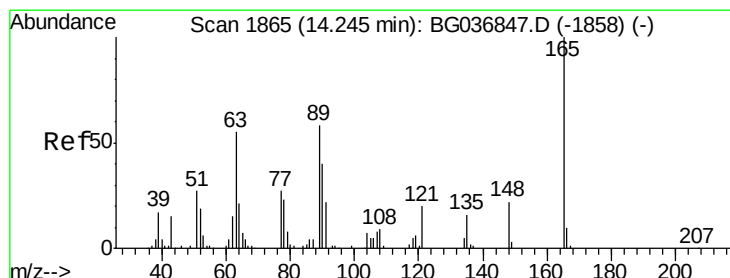
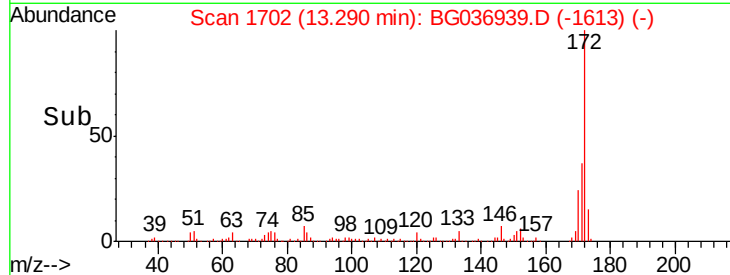
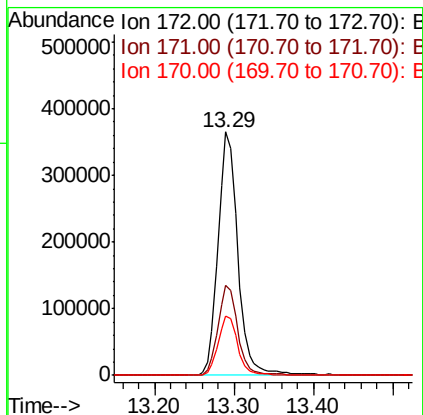
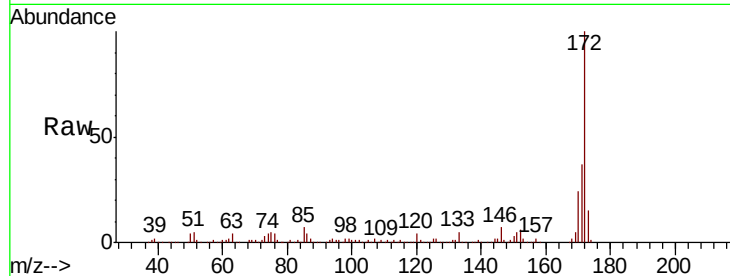




#44
 2-Fluorobiphenyl
 Concen: 84.750 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036939.D
 Acq: 25 Sep 2018 5:33

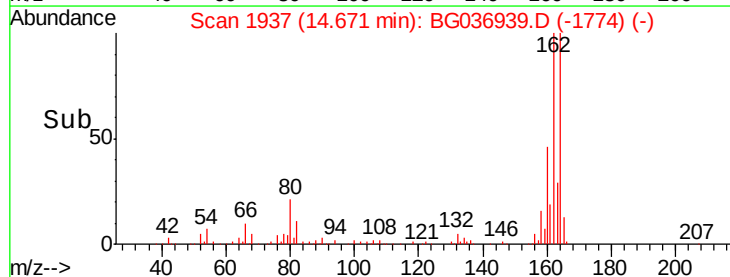
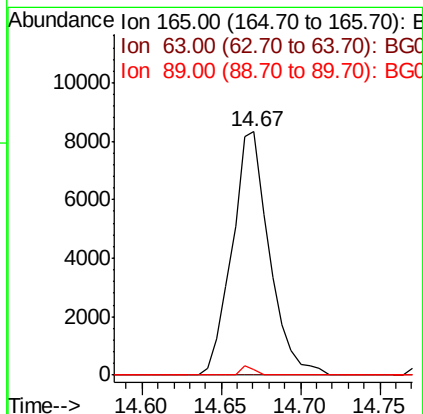
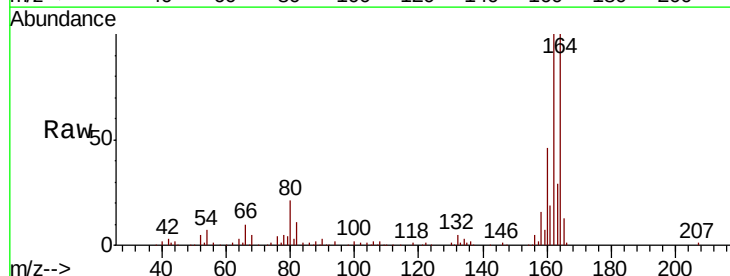
Instrument :
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 NB-PIT-1

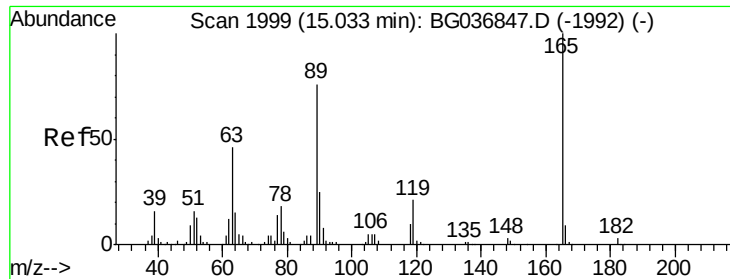
Tgt Ion:	172	Resp:	633789
Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.3	46.9
170	24.4	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 6.912 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.43 min
 Lab File: BG036939.D
 Acq: 25 Sep 2018 5:33

Tgt Ion:	165	Resp:	13520
Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.2	47.8	71.6#

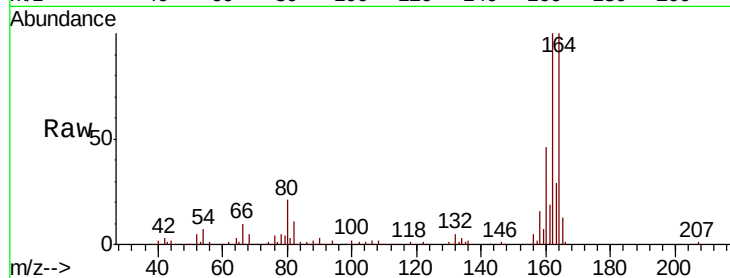




#56
 2,4-Dinitrotoluene
 Concen: 4.953 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036939.D
 Acq: 25 Sep 2018 5:33

Instrument :
 BNA_G
 ClientSampleId :
 NB-PIT-1

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



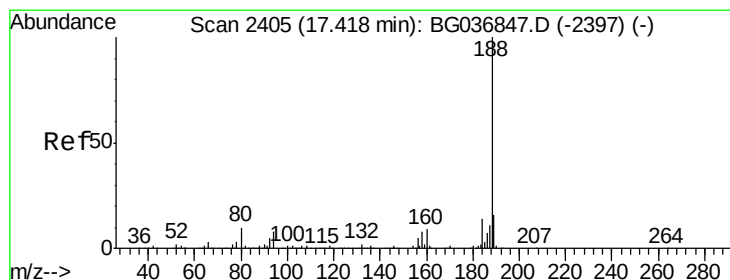
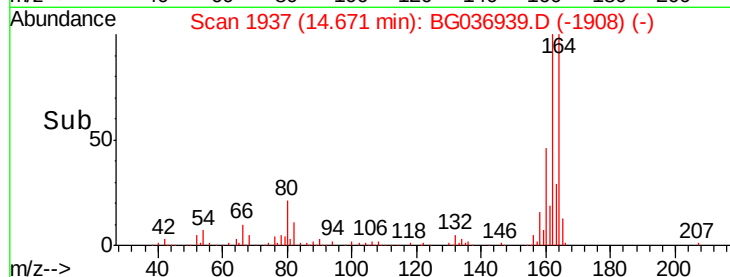
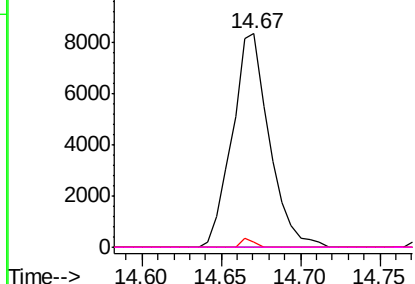
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

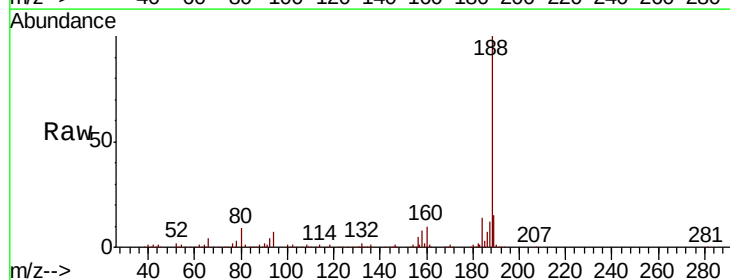
Ion 89.00 (88.70 to 89.70): BGC

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: BG036939.D
 Acq: 25 Sep 2018 5:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	9.2	8.1	12.1

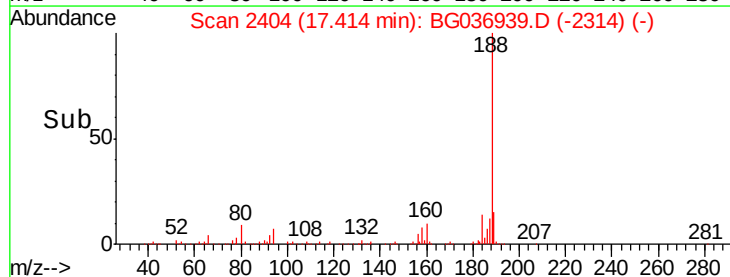
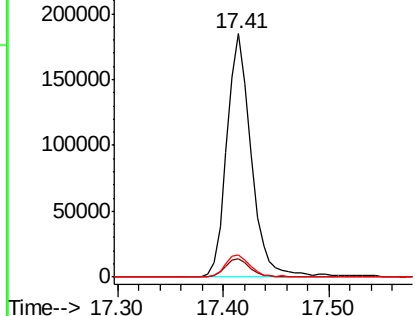


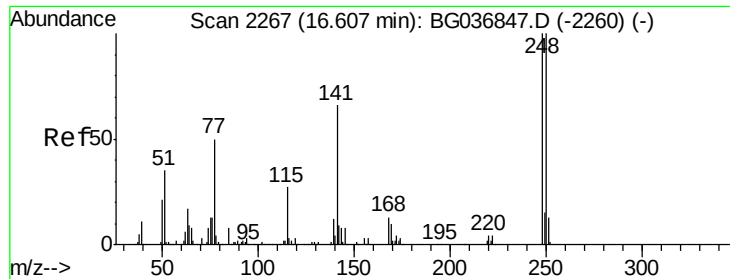
Abundance

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

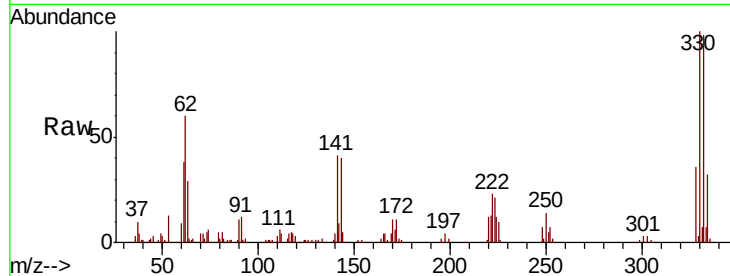




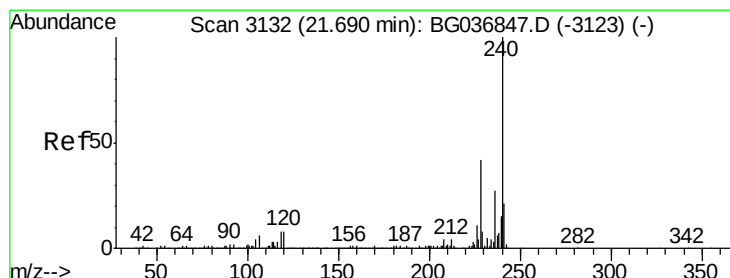
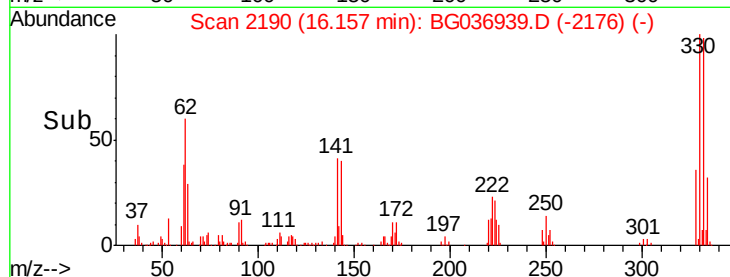
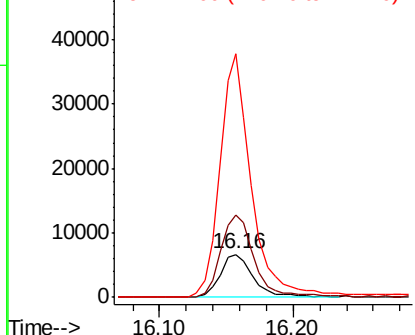
#66
 4-Bromophenyl-phenylether
 Concen: 3.462 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036939.D
 Acq: 25 Sep 2018 5:33

Instrument :
 BNA_G
 ClientSampleId :
 NB-PIT-1

Tgt Ion:248 Resp: 11619
 Ion Ratio Lower Upper
 248 100
 250 191.8 78.1 117.1#
 141 564.2 53.7 80.5#

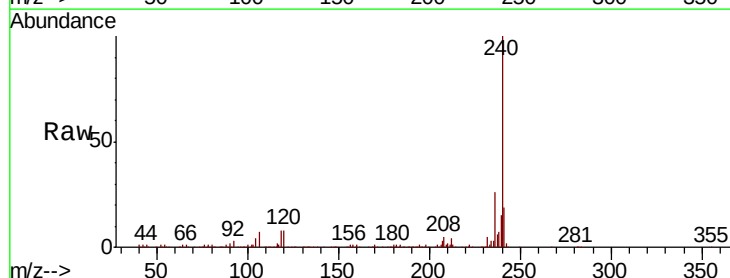


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

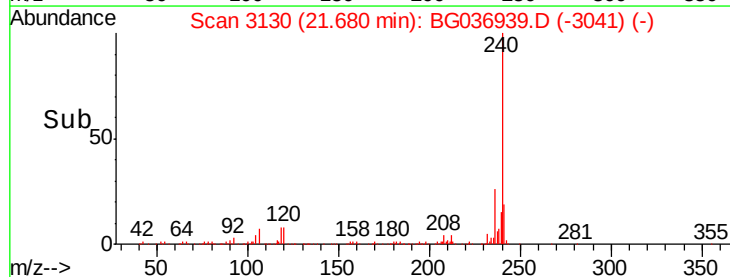
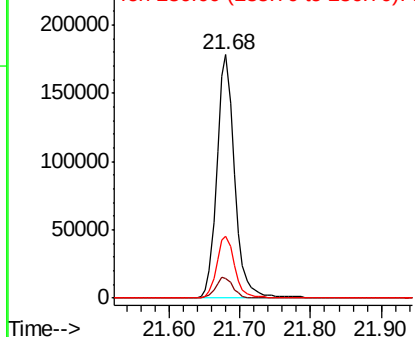


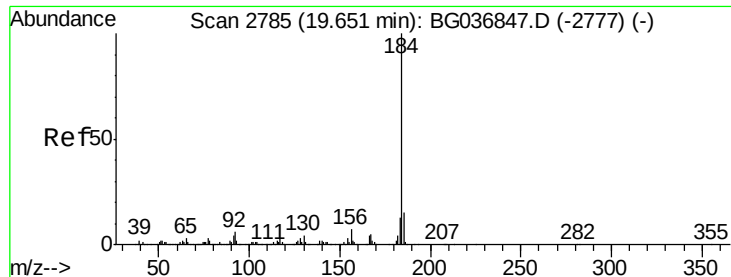
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036939.D
 Acq: 25 Sep 2018 5:33

Tgt Ion:240 Resp: 311033
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.9 10.3
 236 25.6 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

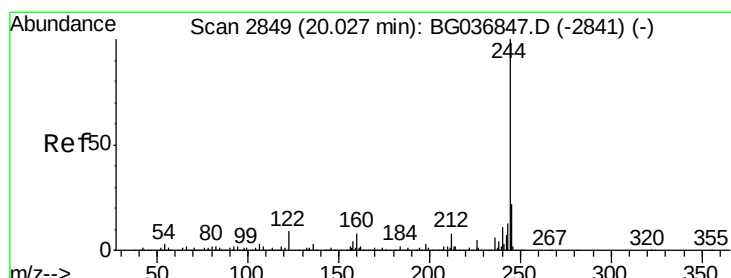
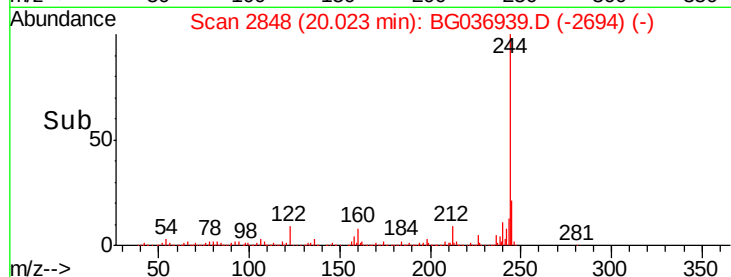
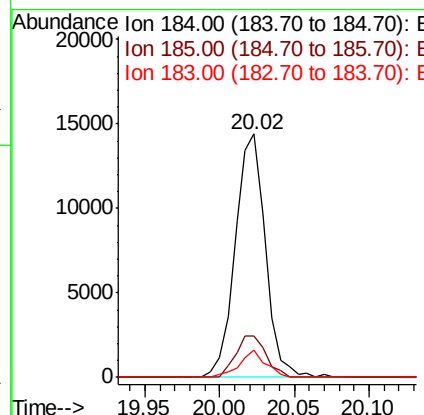
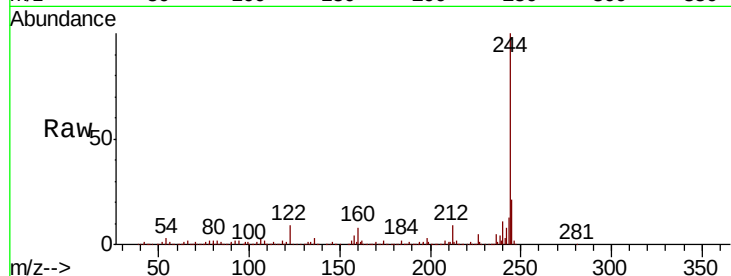




#76
Benzidine
Concen: 2.158 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036939.D
Acq: 25 Sep 2018 5:33

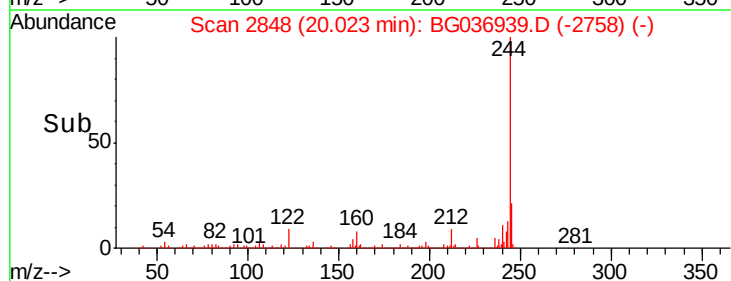
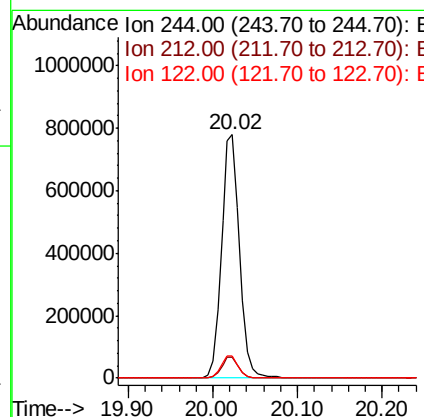
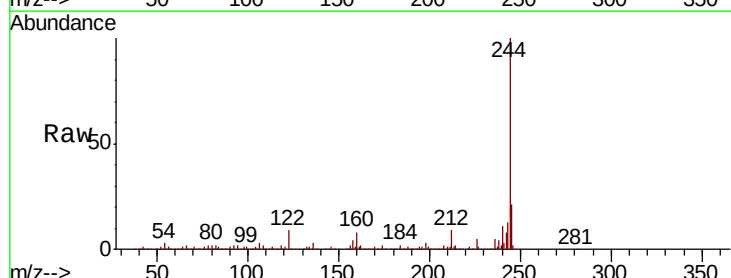
Instrument :
BNA_G
ClientSampleId :
NB-PIT-1

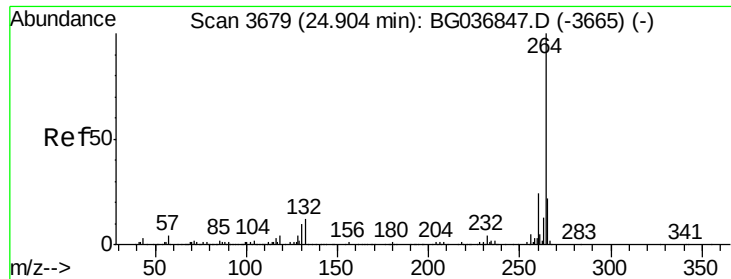
Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.2	12.6	18.8
183	11.2	10.9	16.3



#78
Terphenyl-d14
Concen: 98.259 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.00 min
Lab File: BG036939.D
Acq: 25 Sep 2018 5:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.6
122	9.1	7.1	10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG036939.D
Acq: 25 Sep 2018 5:33

Instrument :
BNA_G
ClientSampleId :
NB-PIT-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	21.5	17.4	26.0

