

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092518\
 Data File : BG036959.D
 Acq On : 25 Sep 2018 21:33
 Operator : JU/SJ
 Sample : J4775-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 01:45:38 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

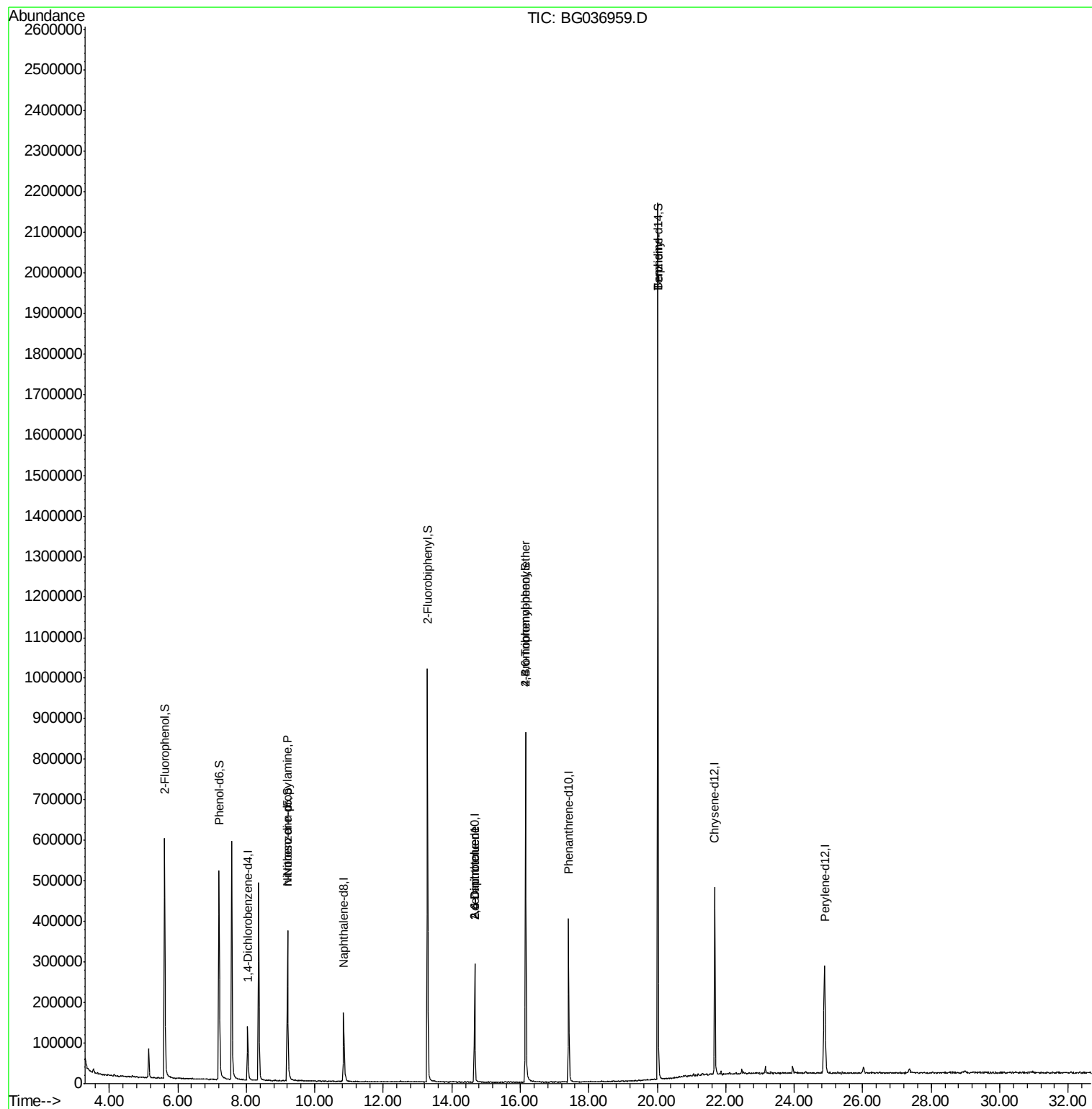
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42824	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	168960	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	107374	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	288648	20.00	ng	0.00
75) Chrysene-d12	21.68	240	301986	20.00	ng	-0.01
86) Perylene-d12	24.89	264	302622	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	266816	119.49	ng	0.00
7) Phenol-d6	7.20	99	339502	98.27	ng	-0.01
23) Nitrobenzene-d5	9.20	82	263510	83.52	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	168163	130.90	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	575863	79.88	ng	0.00
78) Terphenyl-d14	20.02	244	1063362	92.59	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	35419	12.324	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	13619	7.222	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	13619	5.176	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	11555	3.519	ng	# 1
76) Benzidine	20.02	184	18741	2.053	ng	# 95

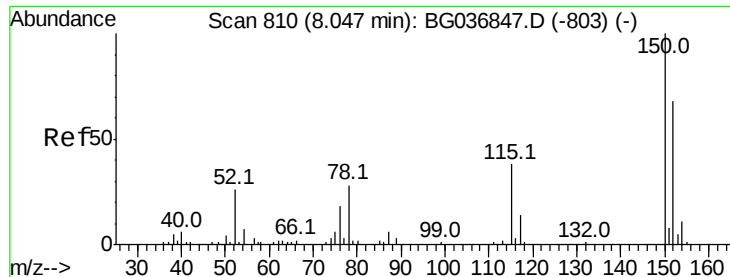
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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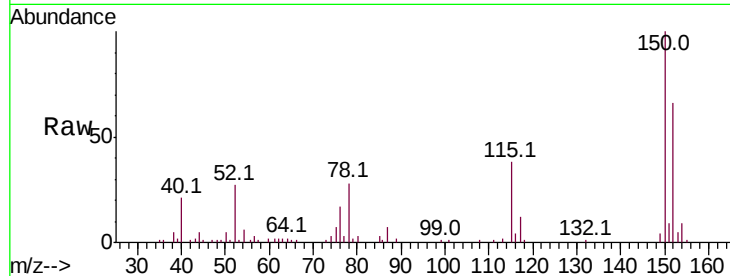


#1

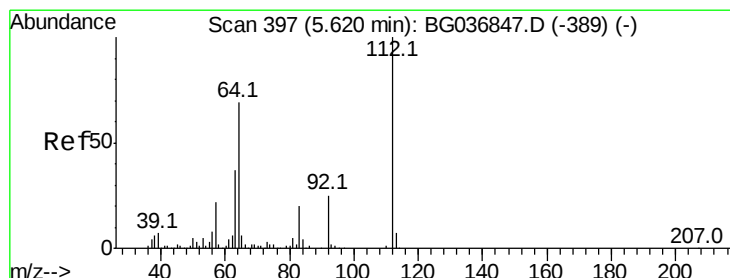
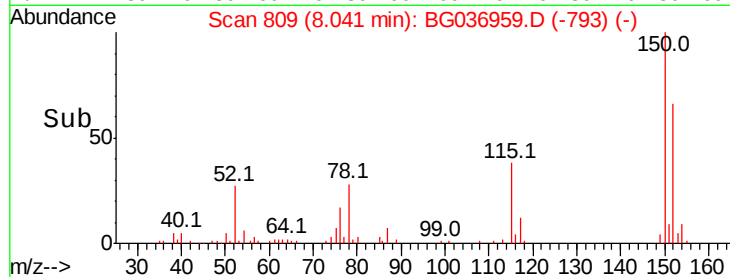
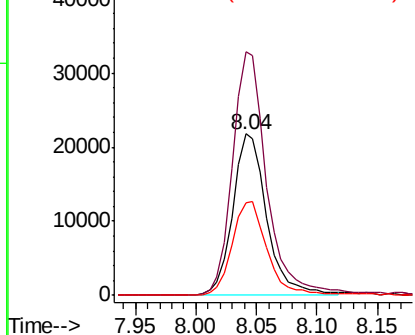
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG036959.D
Acq: 25 Sep 2018 21:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 42824
Ion Ratio Lower Upper
152 100
150 151.1 119.5 179.3
115 57.2 44.5 66.7



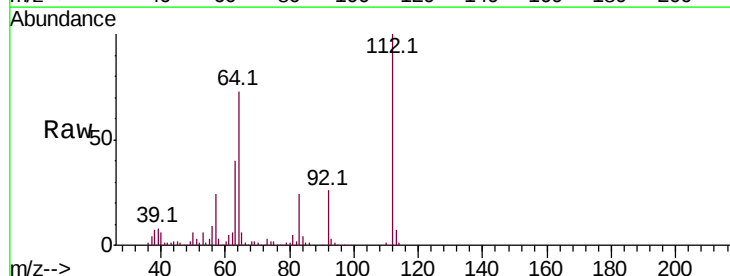
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



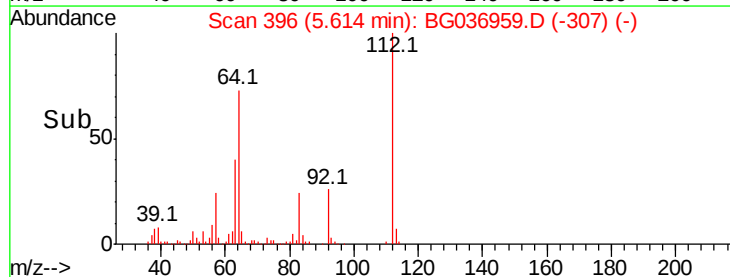
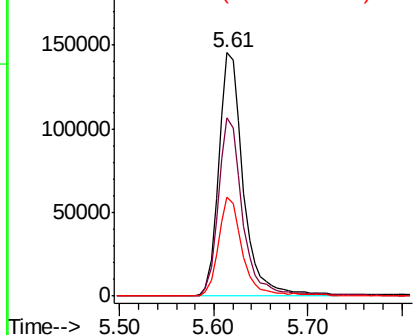
#5

2-Fluorophenol
Concen: 119.488 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036959.D
Acq: 25 Sep 2018 21:33

Tgt Ion:112 Resp: 266816
Ion Ratio Lower Upper
112 100
64 73.1 57.2 85.8
63 40.4 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: 98.269 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036959.D

Acq: 25 Sep 2018 21:33

Instrument :

BNA_F

ClientSampleId :

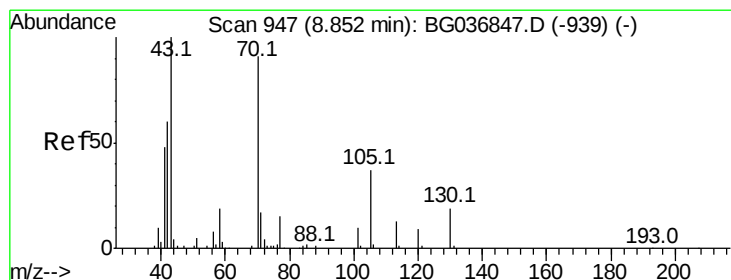
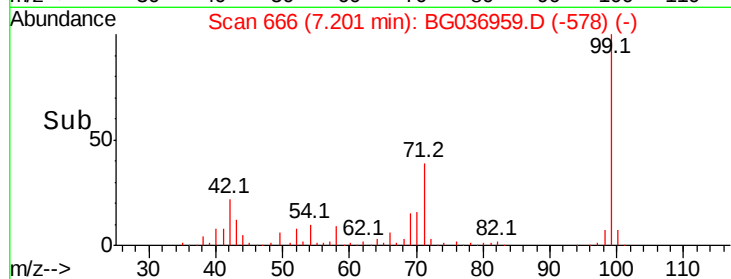
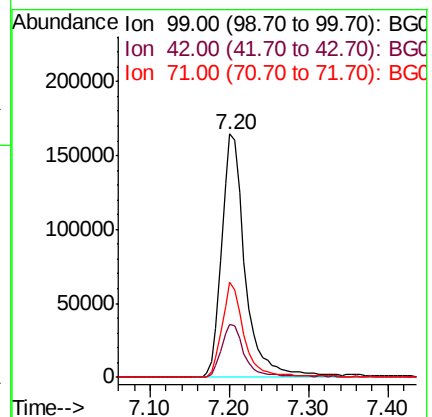
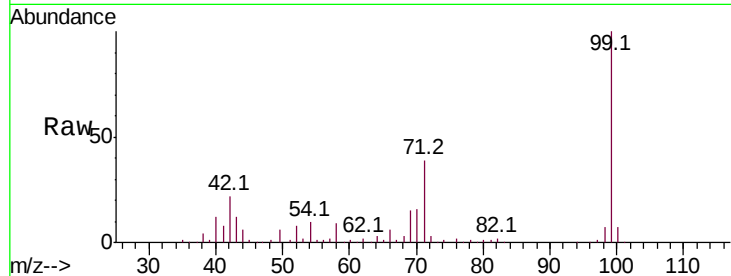
Tot Ion: 99 Resp: 339502

Ion Ratio Lower Upper

99 100

42 21.9 16.5 24.7

71 39.0 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.324 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036959.D

Acq: 25 Sep 2018 21:33

Tgt Ion: 70 Resp: 35419

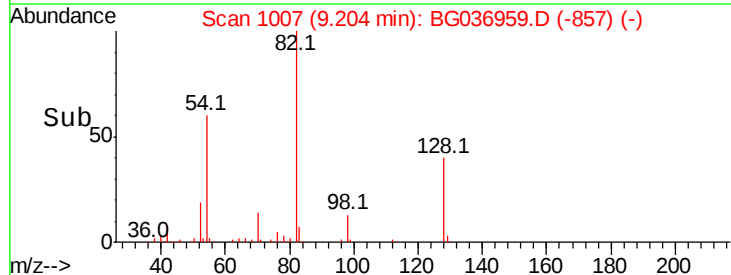
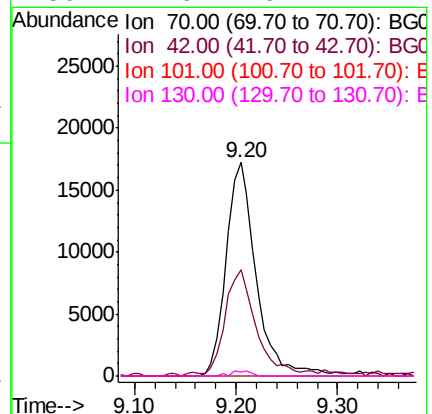
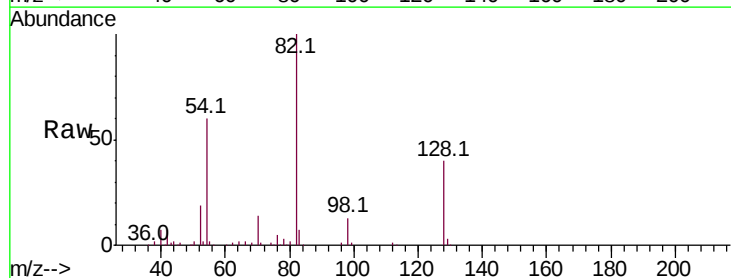
Ion Ratio Lower Upper

70 100

42 49.7 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#

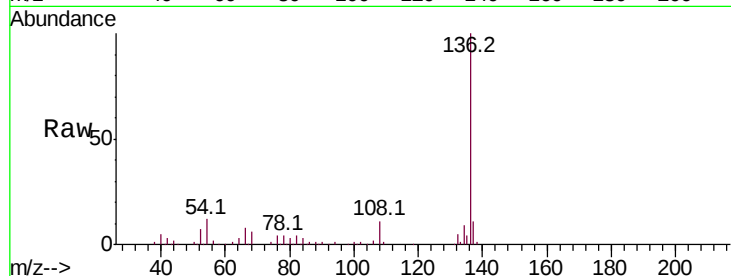




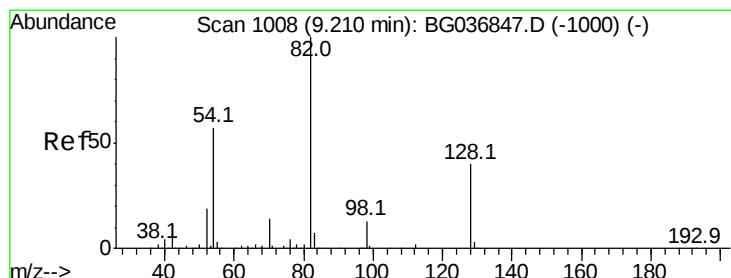
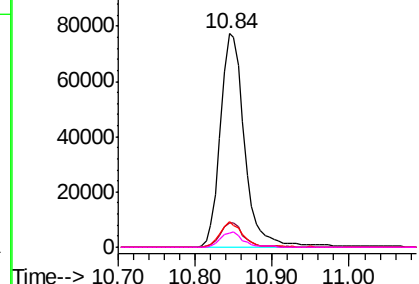
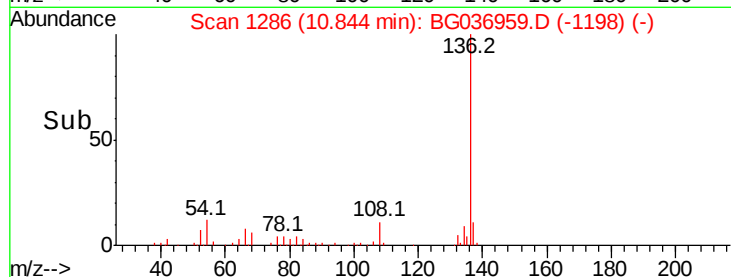
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG036959.D
Acq: 25 Sep 2018 21:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	168960
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	12.2	9.2	13.8
68	6.4	5.8	8.6

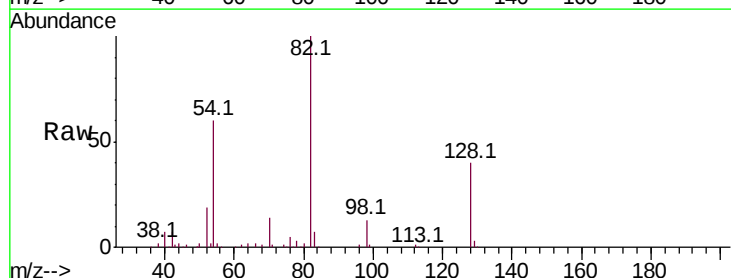


Abundance Ion 136.00 (135.70 to 136.70): E
120000
Ion 137.00 (136.70 to 137.70): E
100000
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

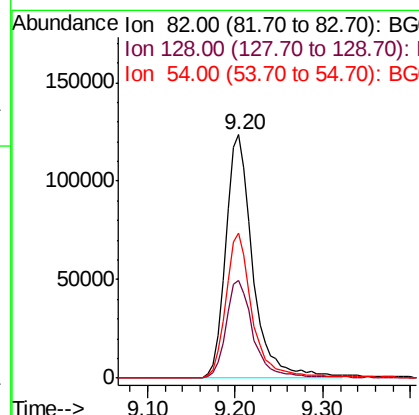
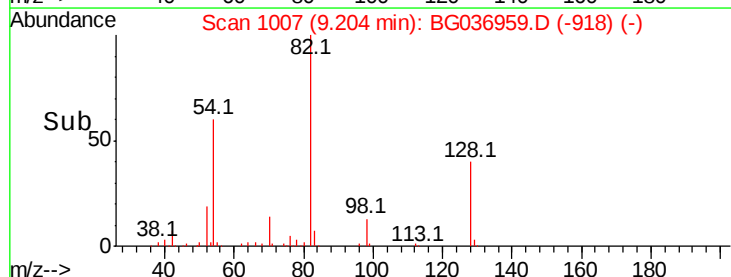


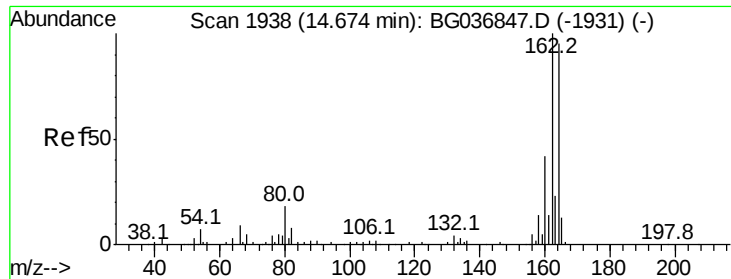
#23
Nitrobenzene-d5
Concen: 83.518 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036959.D
Acq: 25 Sep 2018 21:33

Tgt Ion:	82	Resp:	263510
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	59.8	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BG
150000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036959.D

Acq: 25 Sep 2018 21:33

Instrument :

BNA_F

ClientSampleId :

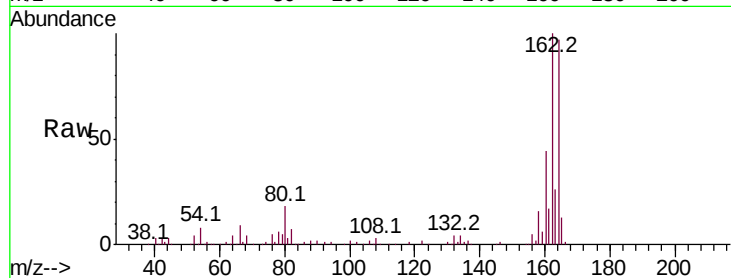
Tot Ion:164 Resp: 107374

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

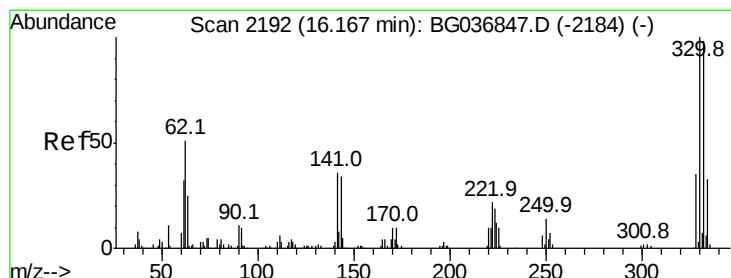
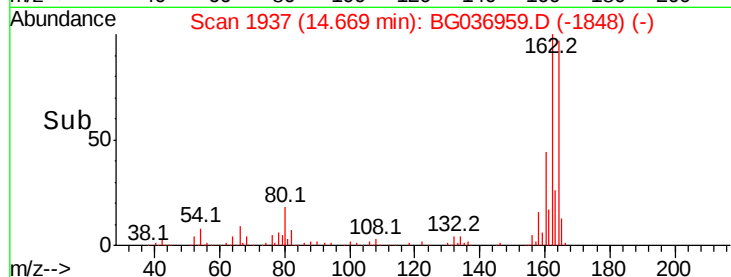
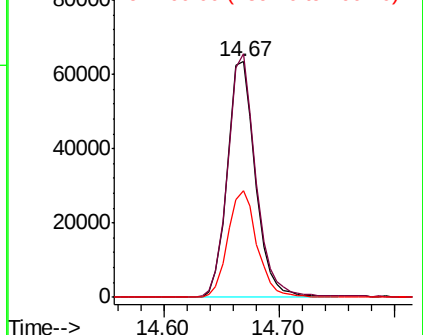
160 45.1 35.3 52.9



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: 130.900 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036959.D

Acq: 25 Sep 2018 21:33

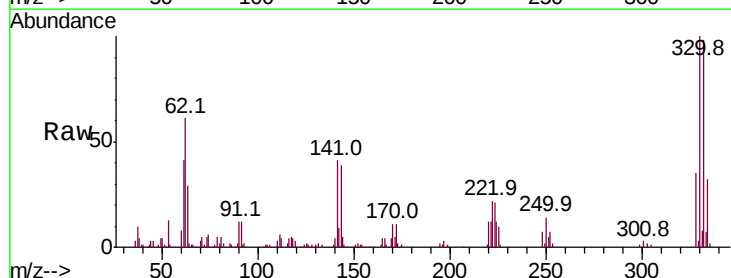
Tgt Ion:330 Resp: 168163

Ion Ratio Lower Upper

330 100

332 95.5 75.4 113.2

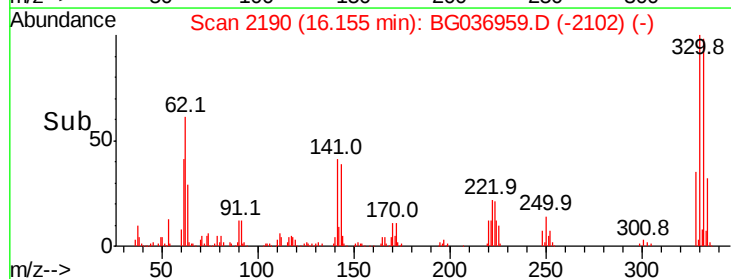
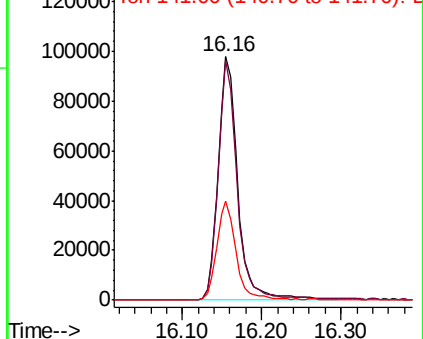
141 39.6 30.7 46.1



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



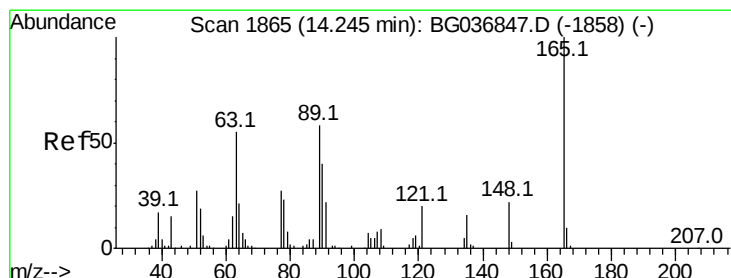
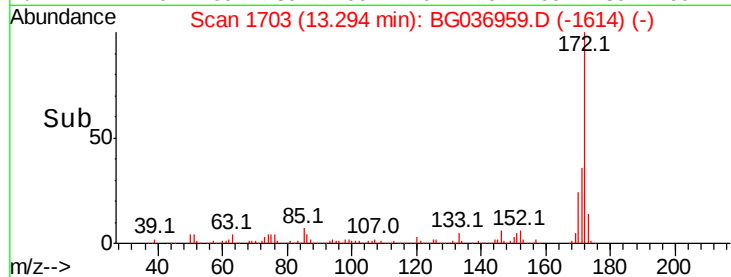
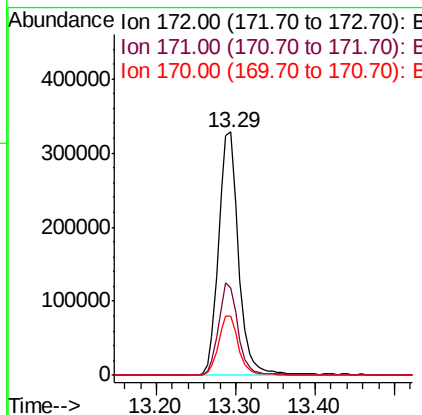
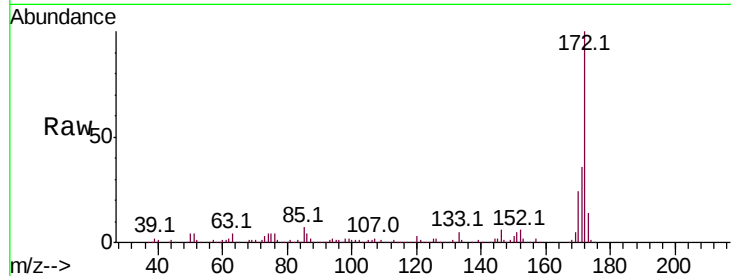


#44
 2-Fluorobiphenyl
 Concen: 79.878 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036959.D
 Acq: 25 Sep 2018 21:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 575863

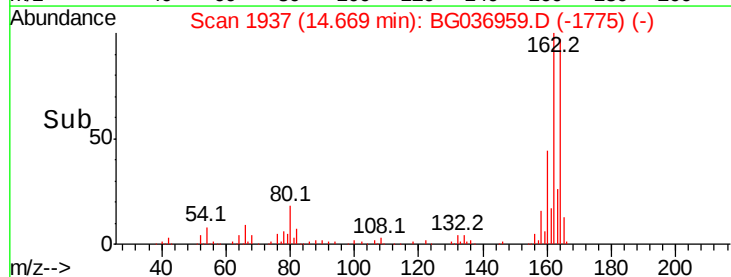
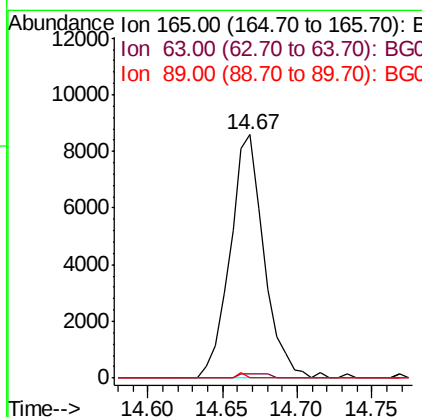
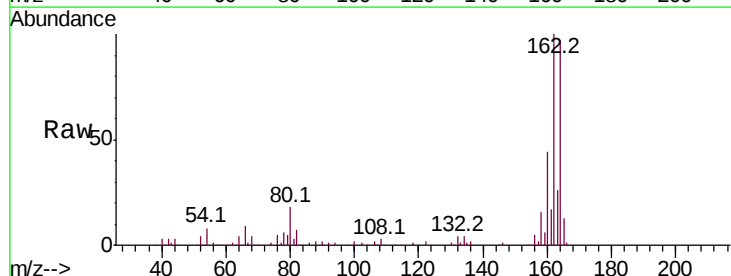
Ion	Ratio	Lower	Upper
172	100		
171	36.1	31.3	46.9
170	24.5	21.0	31.6

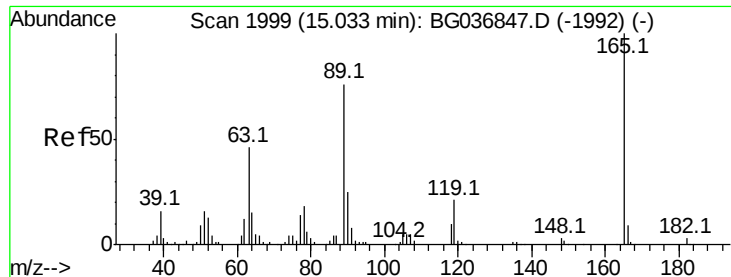


#50
 2,6-Dinitrotoluene
 Concen: 7.222 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036959.D
 Acq: 25 Sep 2018 21:33

Tgt Ion:165 Resp: 13619

Ion	Ratio	Lower	Upper
165	100		
63	1.8	50.1	75.1#
89	0.0	47.8	71.6#

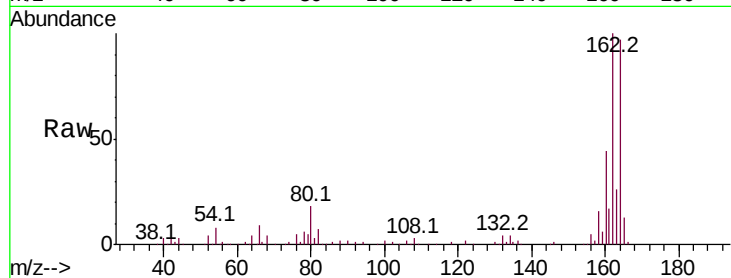




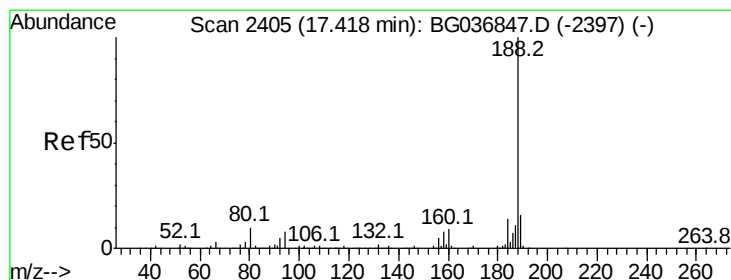
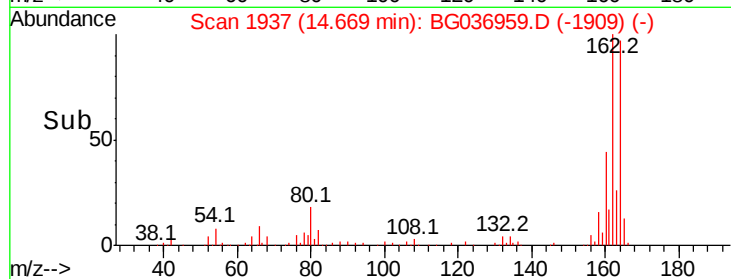
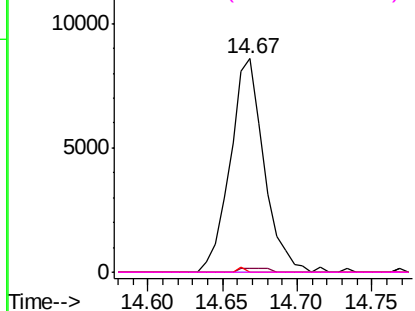
#56
 2,4-Dinitrotoluene
 Concen: 5.176 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036959.D
 Acq: 25 Sep 2018 21:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

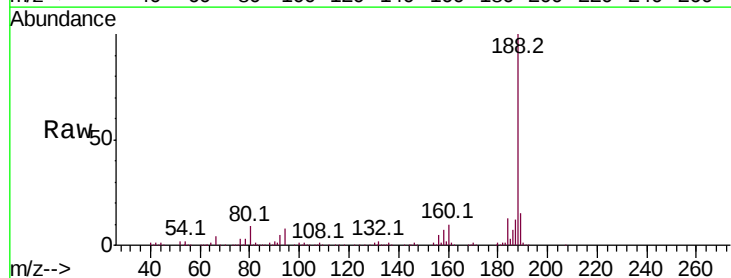


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

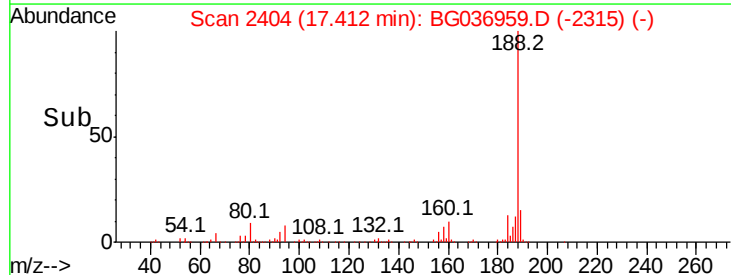
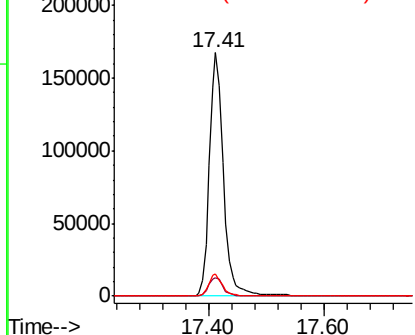


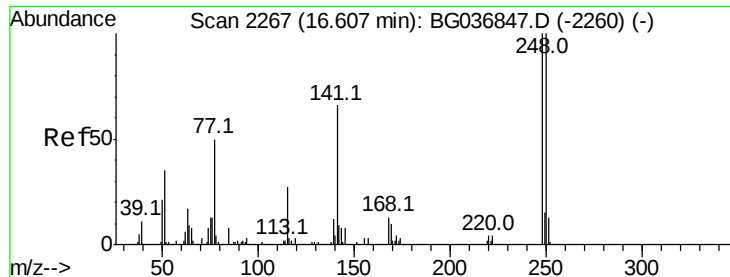
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036959.D
 Acq: 25 Sep 2018 21:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	9.0	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

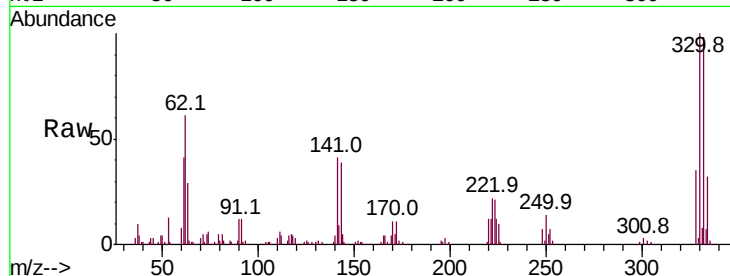




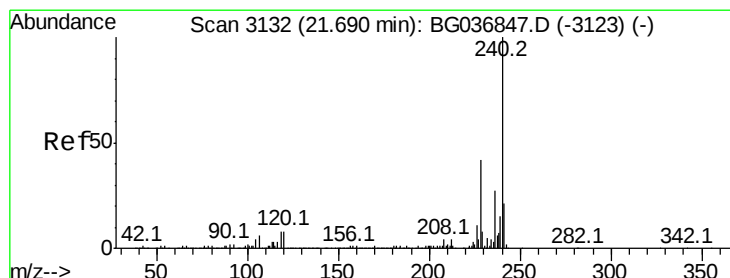
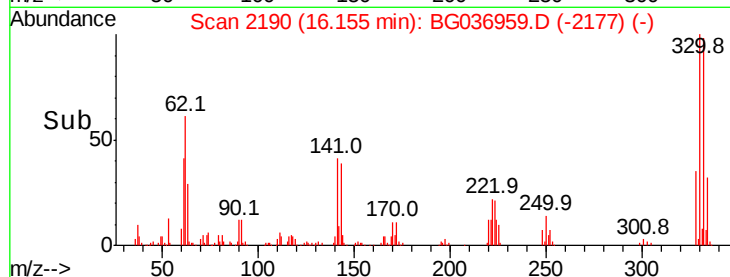
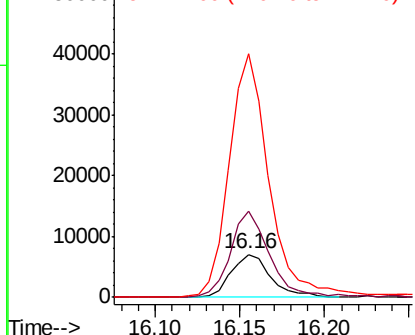
#66
4-Bromophenyl-phenylether
Concen: 3.519 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG036959.D
Acq: 25 Sep 2018 21:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11555
Ion Ratio Lower Upper
248 100
250 199.9 78.1 117.1#
141 565.7 53.7 80.5#

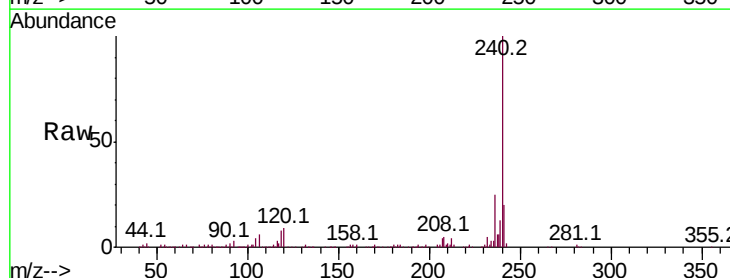


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

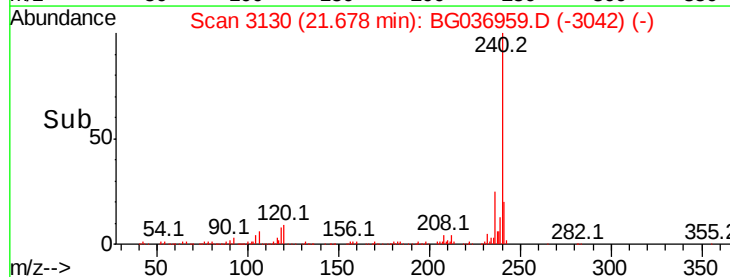
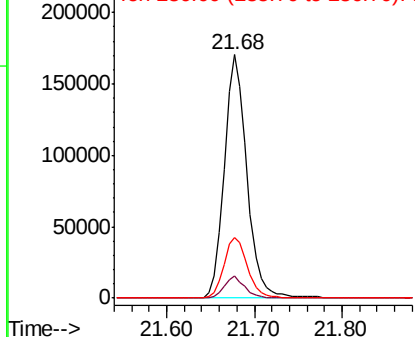


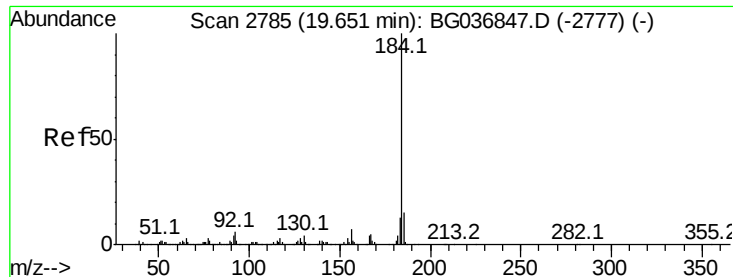
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036959.D
Acq: 25 Sep 2018 21:33

Tgt Ion:240 Resp: 301986
Ion Ratio Lower Upper
240 100
120 9.0 6.9 10.3
236 25.0 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: 2.053 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036959.D

Acq: 25 Sep 2018 21:33

Instrument :

BNA_F

ClientSampleId :

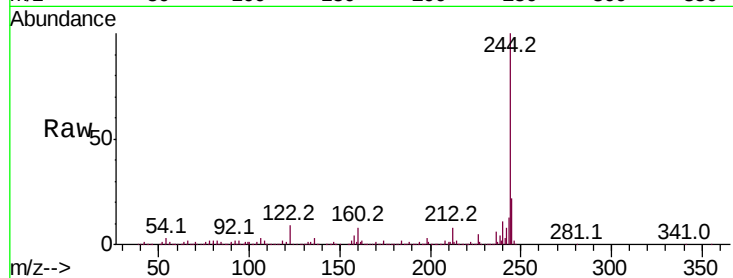
Tot Ion:184 Resp: 18741

Ion Ratio Lower Upper

184 100

185 16.0 12.6 18.8

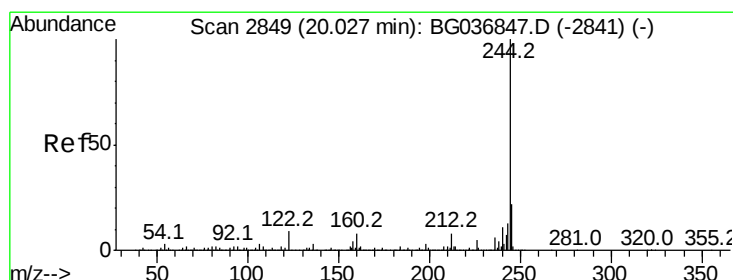
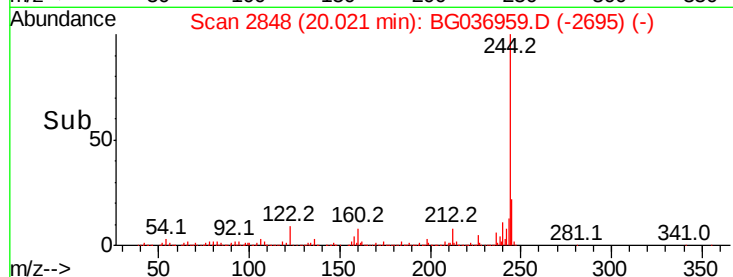
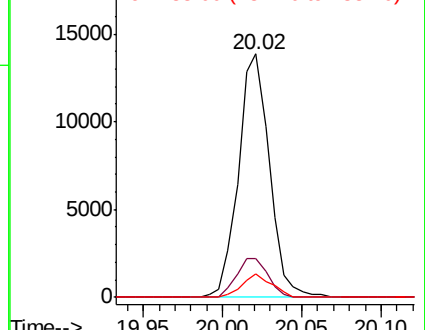
183 9.7 10.9 16.3#



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: 92.590 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036959.D

Acq: 25 Sep 2018 21:33

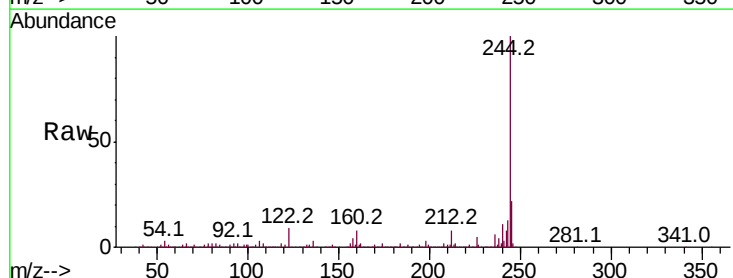
Tgt Ion:244 Resp: 1063362

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

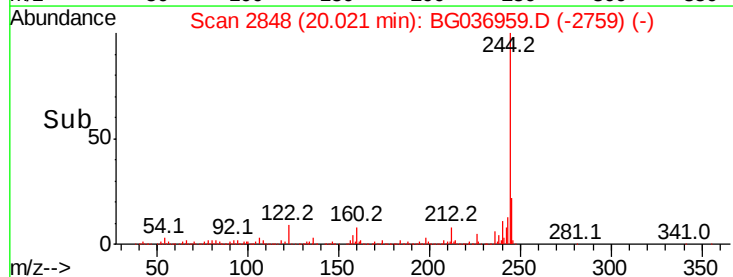
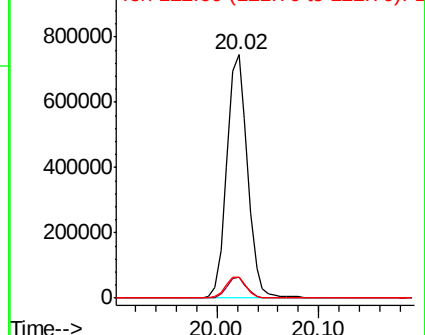
122 8.7 7.1 10.7

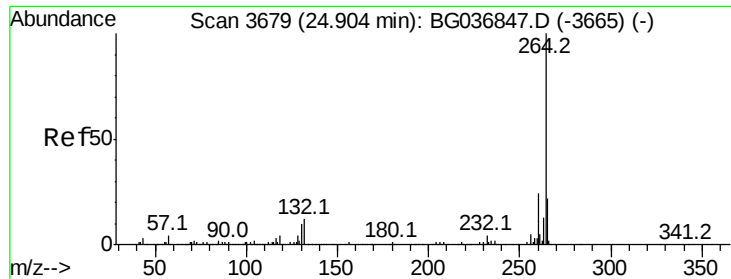


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

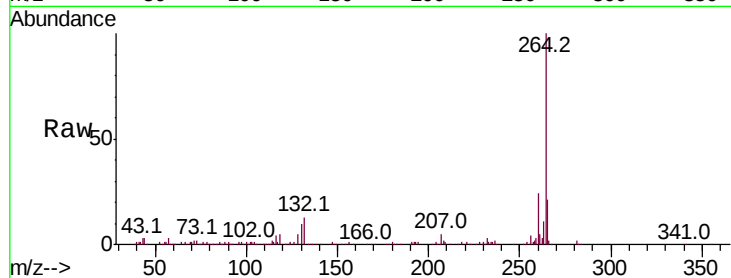




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3676
 Delta R.T. -0.02 min
 Lab File: BG036959.D
 Acq: 25 Sep 2018 21:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	20.9	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

