

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092518\
 Data File : BG036958.D
 Acq On : 25 Sep 2018 20:54
 Operator : JU/SJ
 Sample : J4774-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 01:45:29 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

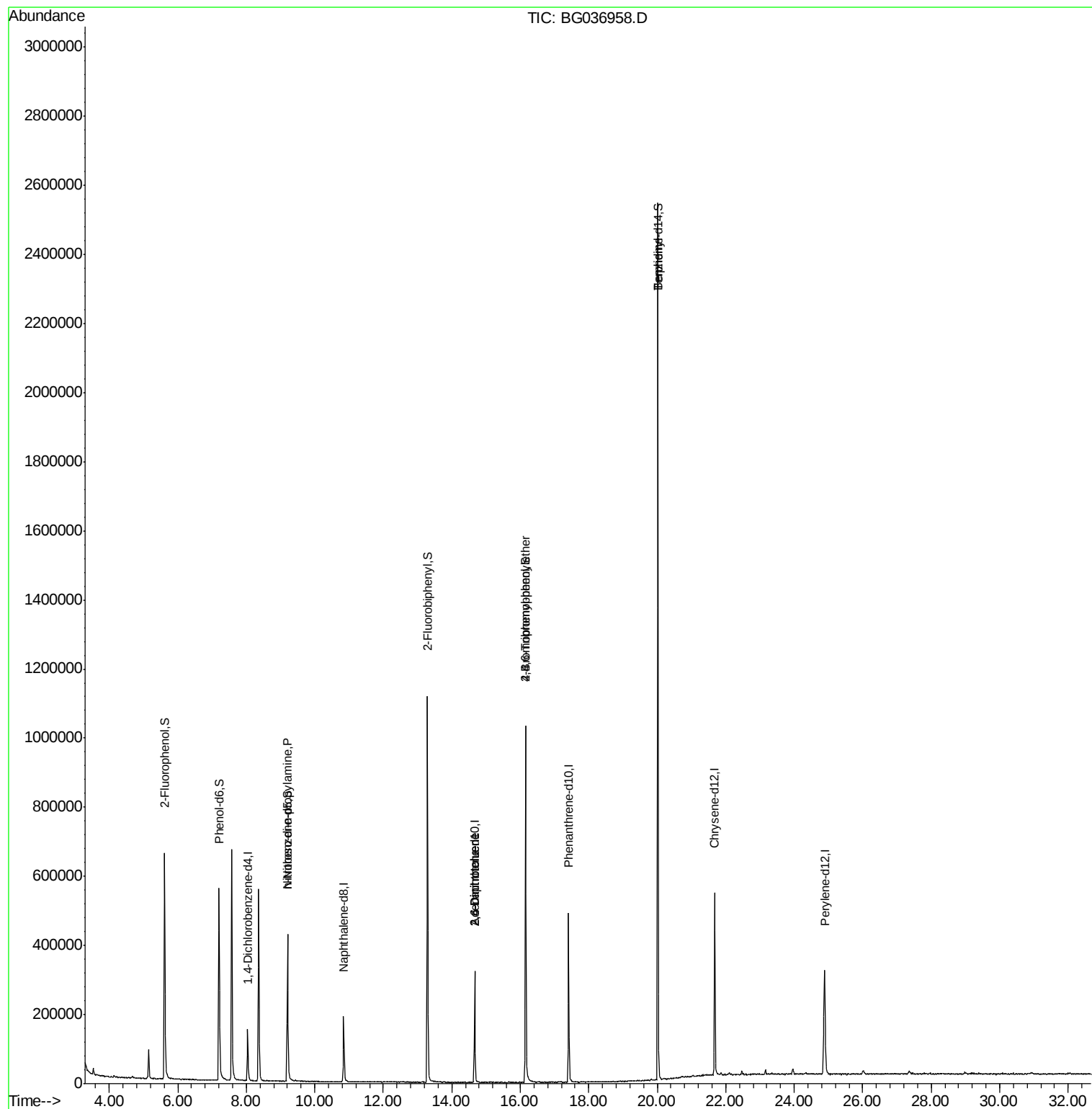
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45859	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	181700	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	117854	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	325505	20.00	ng	0.00
75) Chrysene-d12	21.68	240	344086	20.00	ng	-0.01
86) Perylene-d12	24.88	264	338398	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	293039	122.55	ng	0.00
7) Phenol-d6	7.20	99	364157	98.43	ng	-0.01
23) Nitrobenzene-d5	9.20	82	300063	88.44	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	199313	141.35	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	637166	80.52	ng	0.00
78) Terphenyl-d14	20.02	244	1207025	92.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	40208	13.064	ng	# 75
50) 2,6-Dinitrotoluene	14.66	165	14875	7.187	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	14875	5.150	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	13801	3.728	ng	# 1
76) Benzidine	20.02	184	21255	2.043	ng	# 95

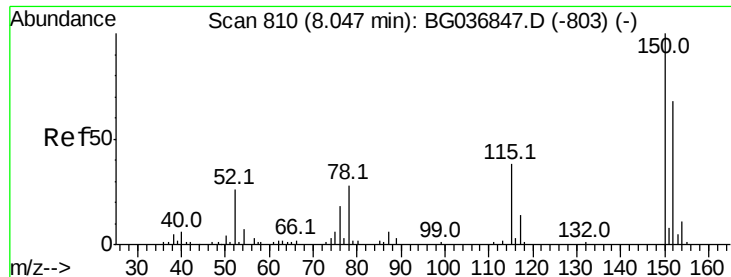
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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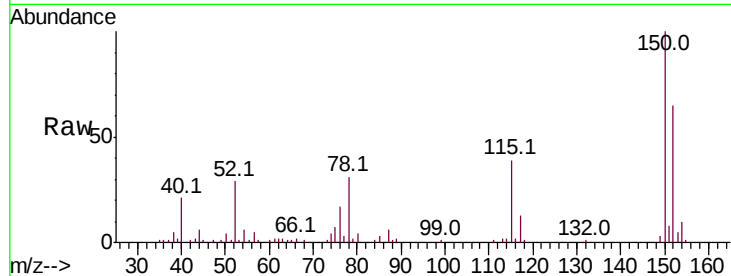


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG036958.D
Acq: 25 Sep 2018 20:54

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	119.5	179.3
115	60.0	44.5	66.7

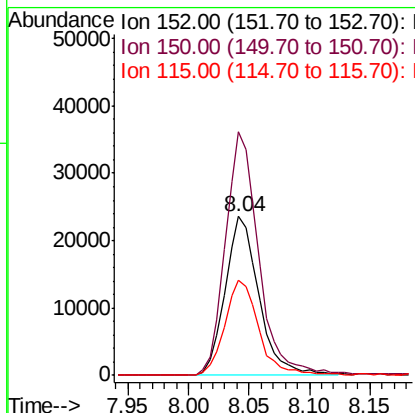
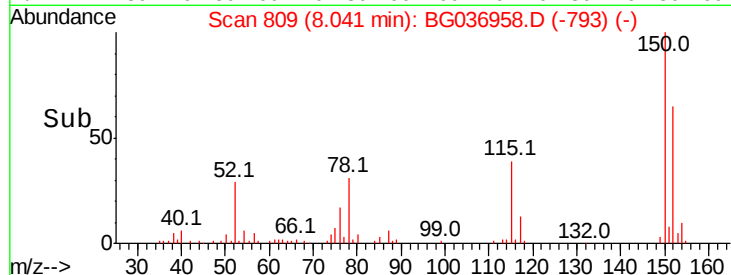


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

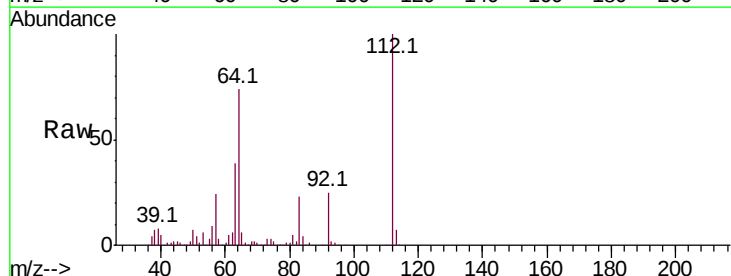
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.546 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036958.D
Acq: 25 Sep 2018 20:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.5	57.2	85.8
63	38.7	30.8	46.2

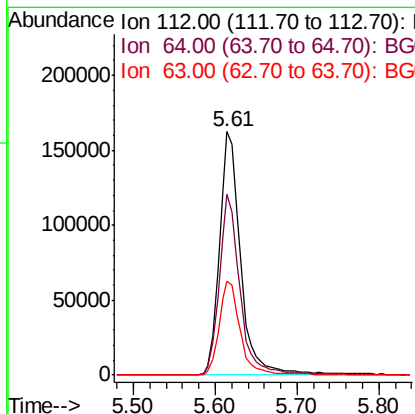
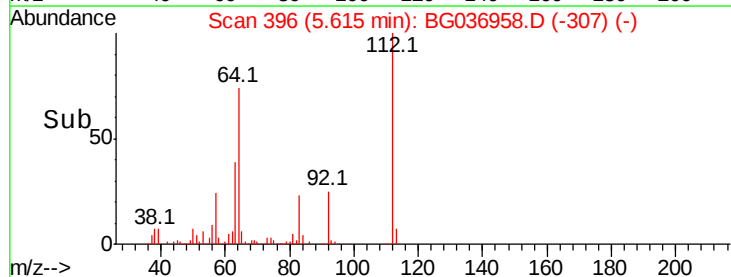


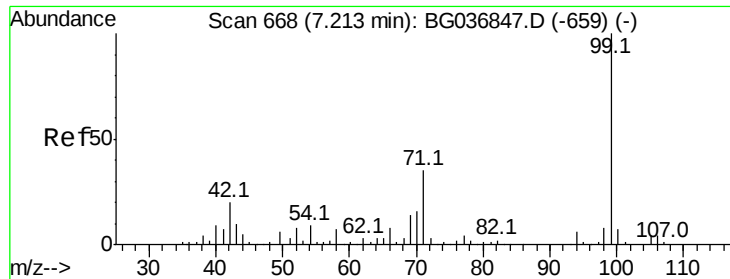
Abundance

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: 98.430 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036958.D

Acq: 25 Sep 2018 20:54

Instrument :

BNA_F

ClientSampled :

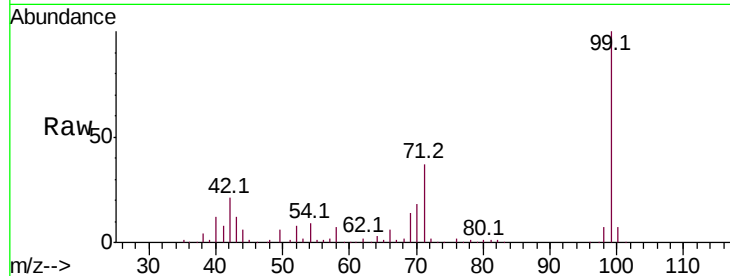
Tot Ion: 99 Resp: 364157

Ion Ratio Lower Upper

99 100

42 21.4 16.5 24.7

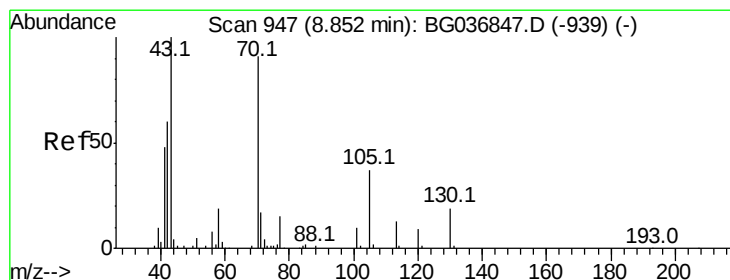
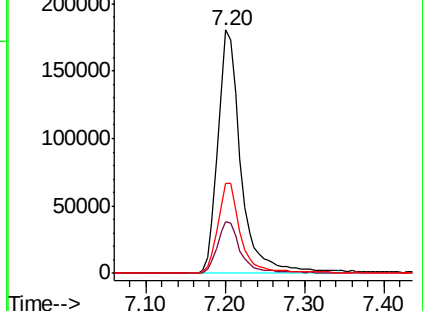
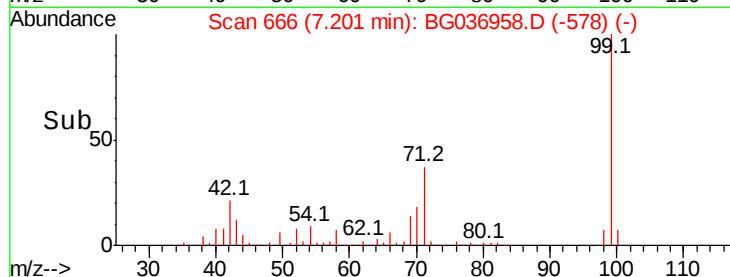
71 36.9 29.4 44.2



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: 13.064 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036958.D

Acq: 25 Sep 2018 20:54

Tgt Ion: 70 Resp: 40208

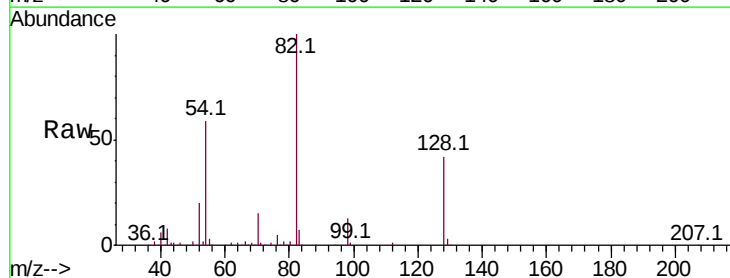
Ion Ratio Lower Upper

70 100

42 53.3 56.2 84.4#

101 0.0 7.8 11.6#

130 1.4 16.2 24.2#

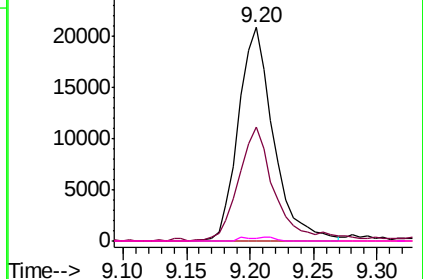
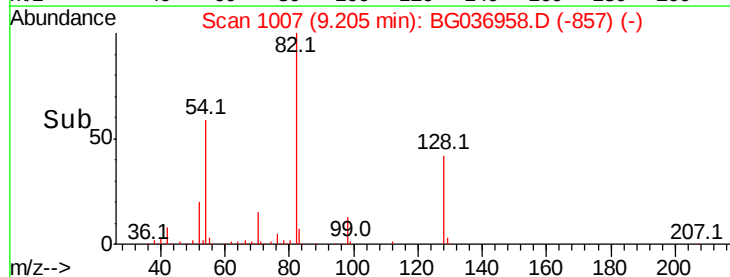


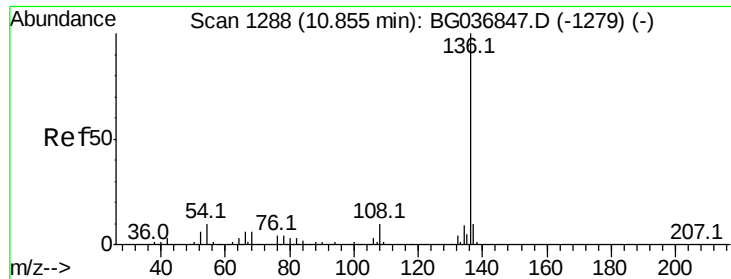
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

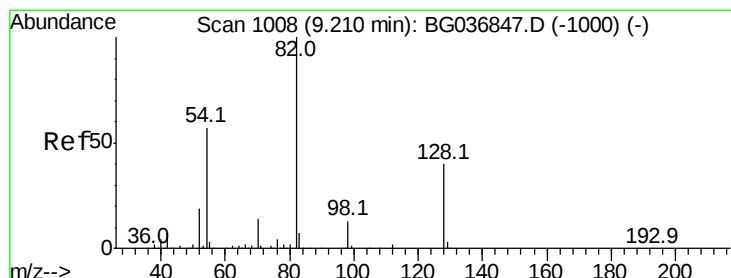
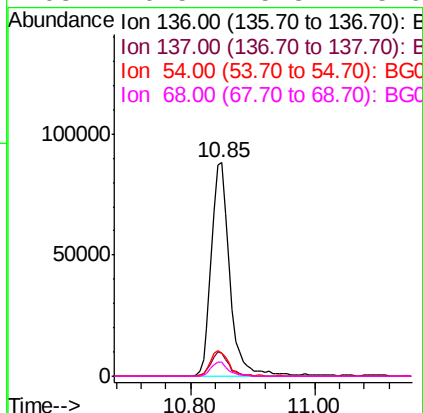
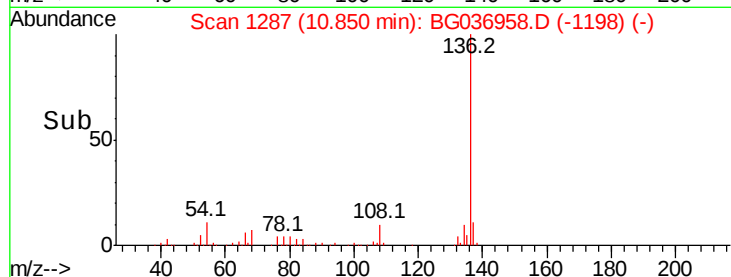
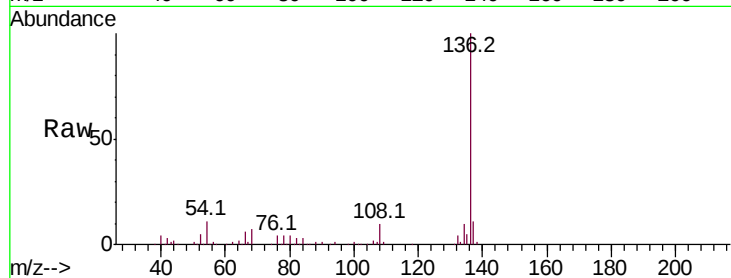




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036958.D
Acq: 25 Sep 2018 20:54

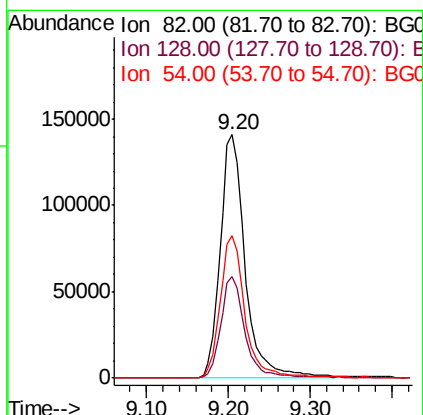
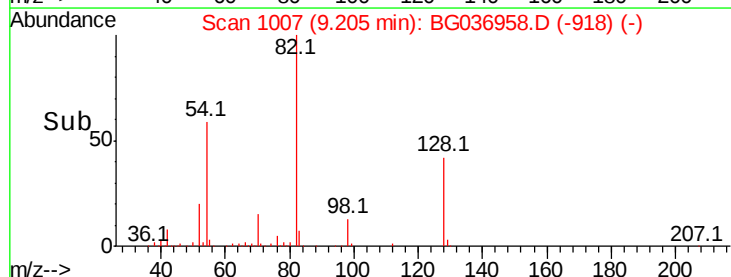
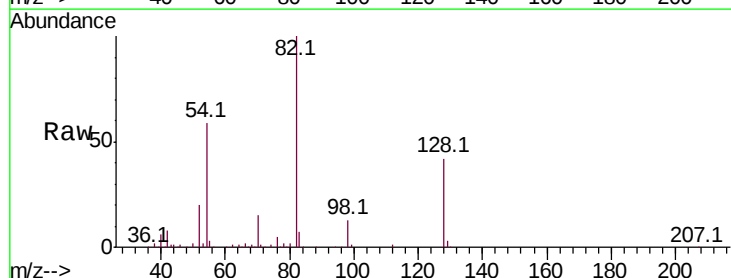
Instrument :
BNA_F
ClientSampleId :

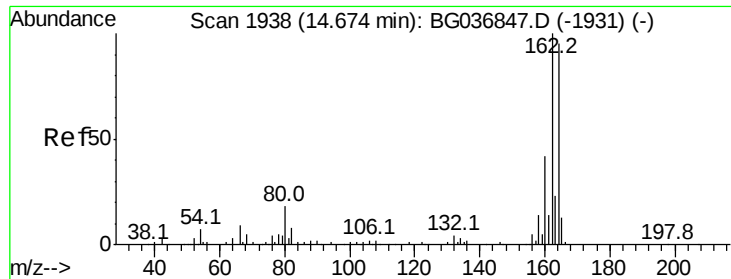
Tot Ion:	136	Resp:	181700
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.9	9.2	13.8
68	6.5	5.8	8.6



#23
Nitrobenzene-d5
Concen: 88.435 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036958.D
Acq: 25 Sep 2018 20:54

Tgt Ion:	82	Resp:	300063
Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.3	49.9
54	58.7	45.1	67.7

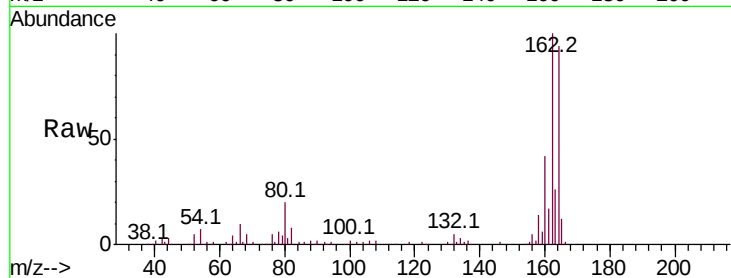




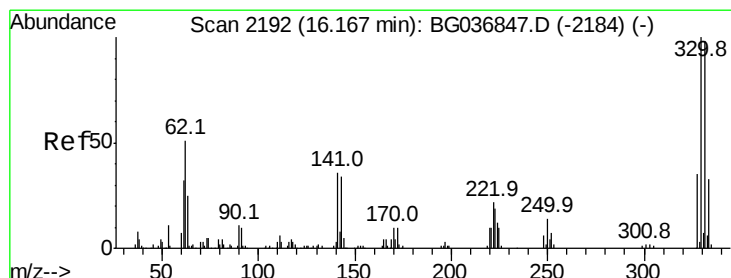
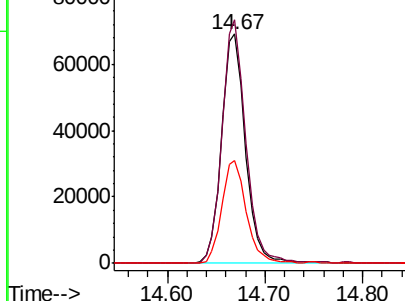
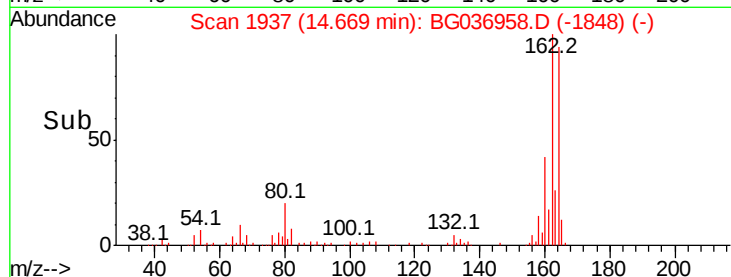
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG036958.D
Acq: 25 Sep 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 117854
Ion Ratio Lower Upper
164 100
162 106.2 80.7 121.1
160 45.1 35.3 52.9

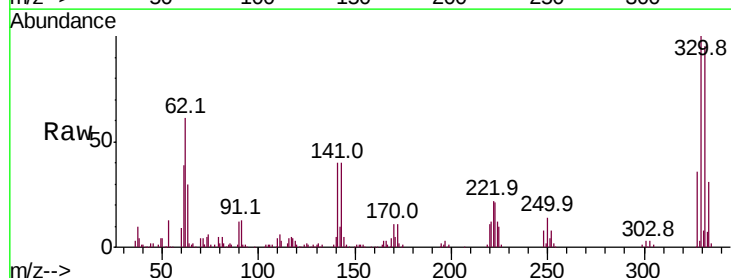


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

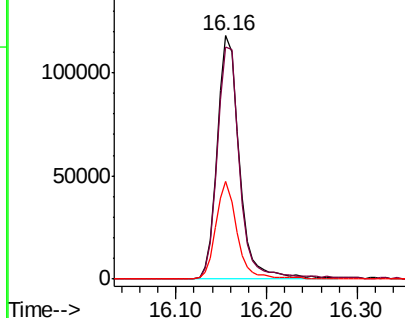
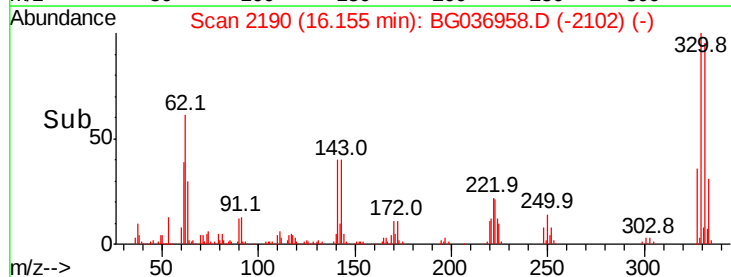


#41
2,4,6-Tribromophenol
Concen: 141.352 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BG036958.D
Acq: 25 Sep 2018 20:54

Tgt Ion:330 Resp: 199313
Ion Ratio Lower Upper
330 100
332 97.6 75.4 113.2
141 38.7 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

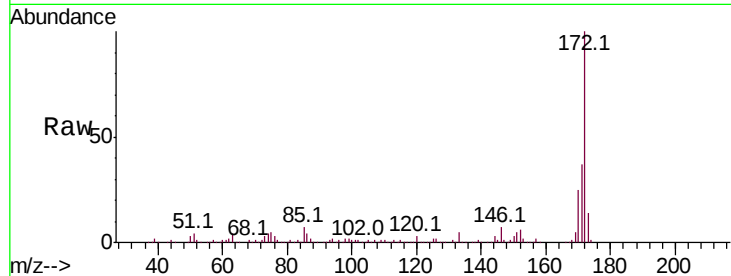




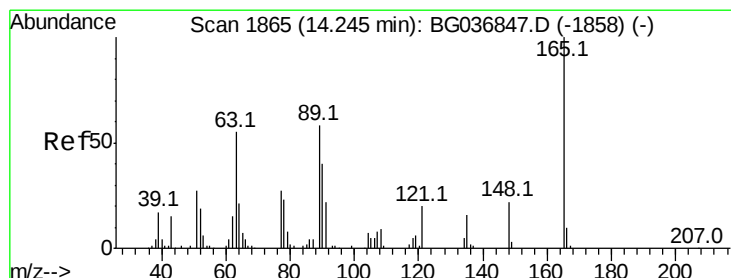
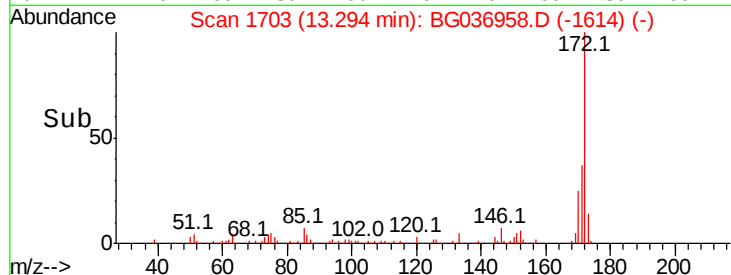
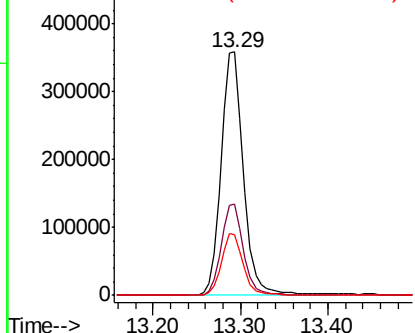
#44
 2-Fluorobiphenyl
 Concen: 80.522 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036958.D
 Acq: 25 Sep 2018 20:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 637166
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.3 46.9
 170 25.0 21.0 31.6

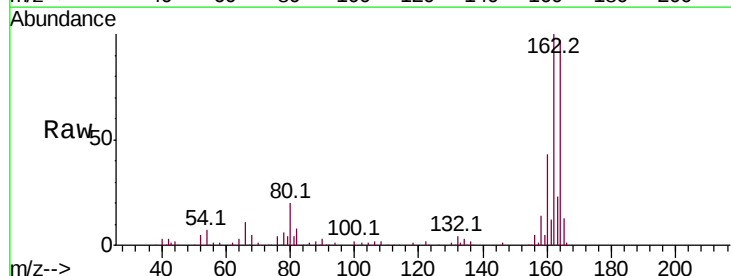


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

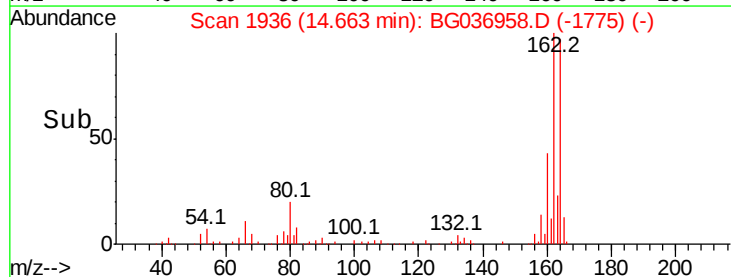
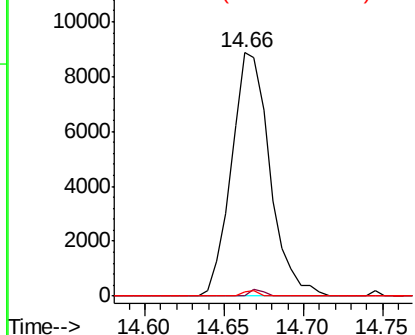


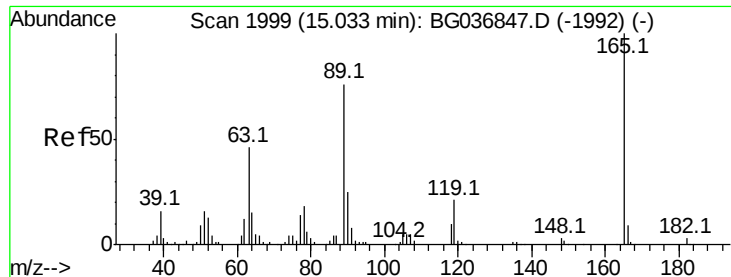
#50
 2,6-Dinitrotoluene
 Concen: 7.187 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036958.D
 Acq: 25 Sep 2018 20:54

Tgt Ion:165 Resp: 14875
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 1.8 47.8 71.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

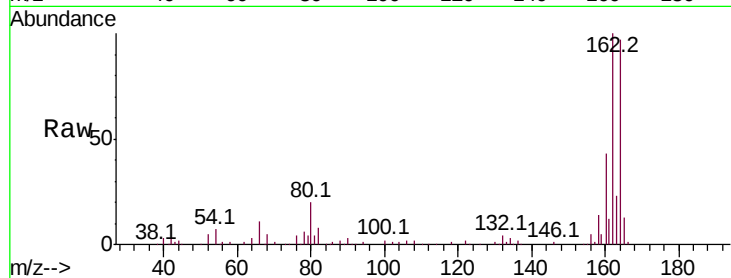




#56
2,4-Dinitrotoluene
Concen: 5.150 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.37 min
Lab File: BG036958.D
Acq: 25 Sep 2018 20:54

Instrument :
BNA_F
ClientSampled :

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

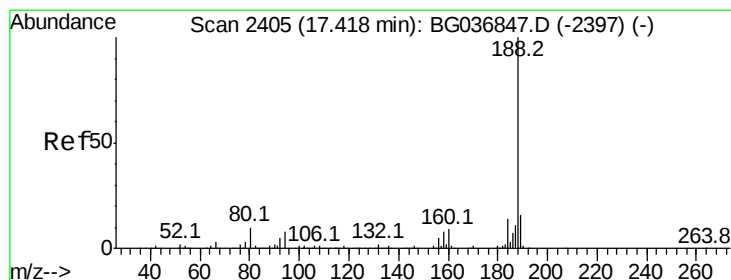
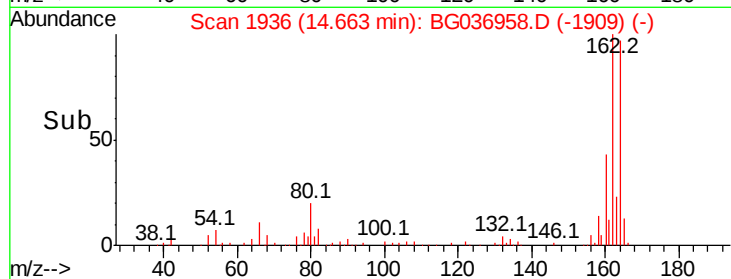
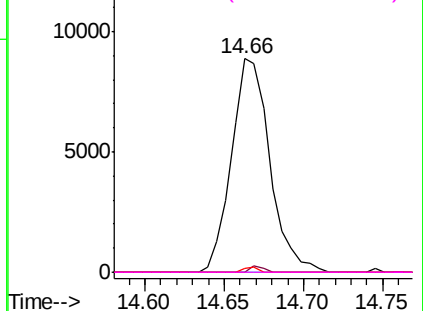


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

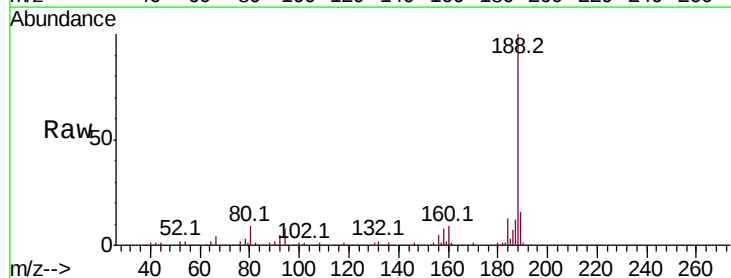
Ion 89.00 (88.70 to 89.70): BGC

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: BG036958.D
Acq: 25 Sep 2018 20:54

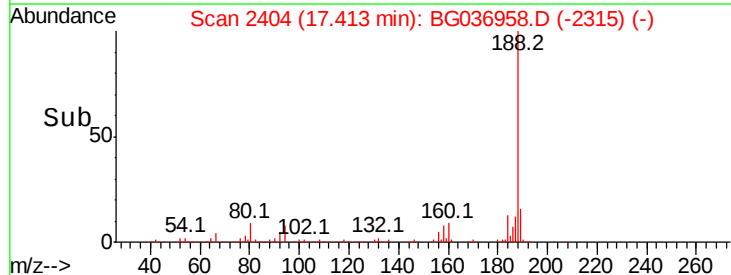
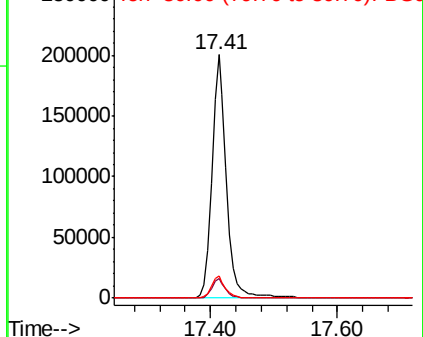
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	9.2	8.1	12.1

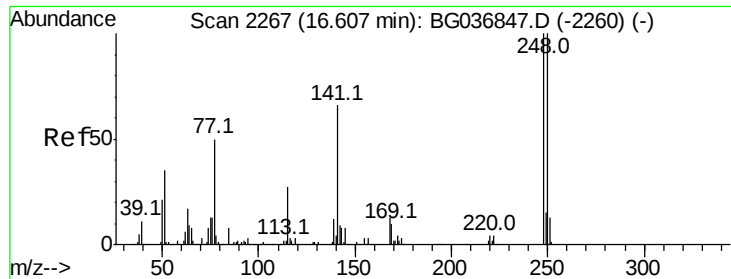


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

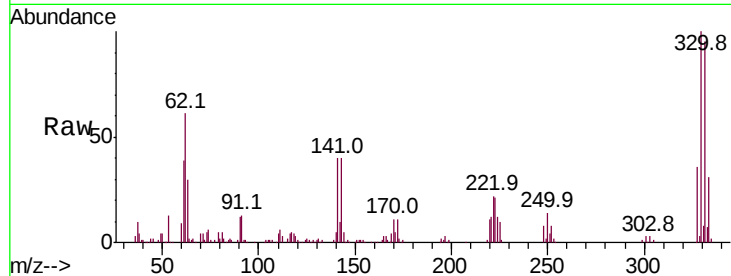




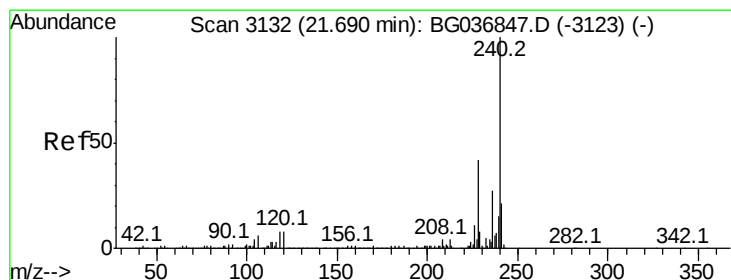
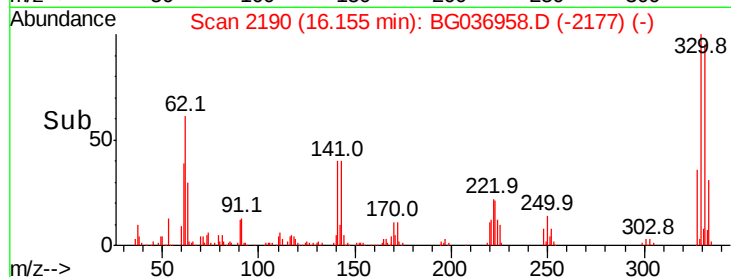
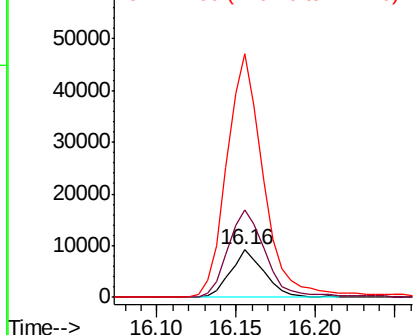
#66
 4-Bromophenyl-phenylether
 Concen: 3.728 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036958.D
 Acq: 25 Sep 2018 20:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13801
 Ion Ratio Lower Upper
 248 100
 250 183.7 78.1 117.1#
 141 511.1 53.7 80.5#

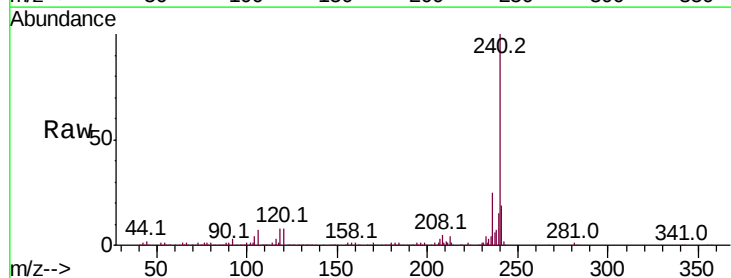


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

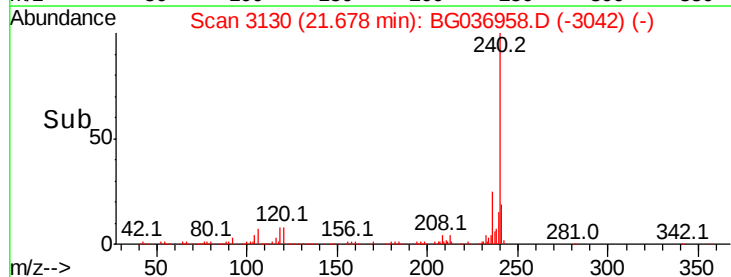
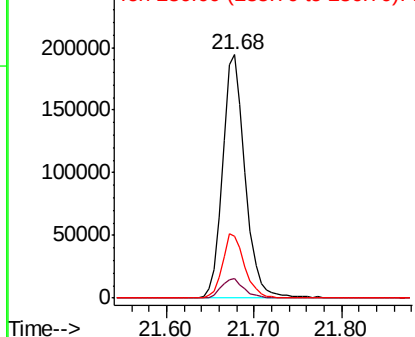


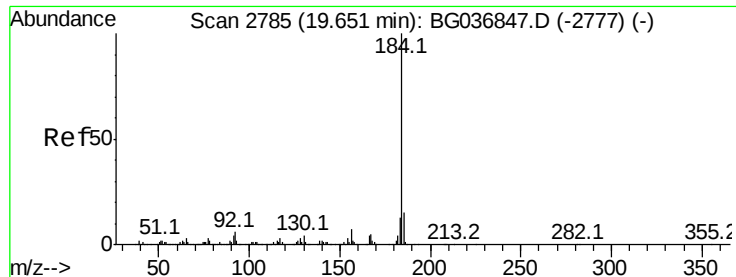
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036958.D
 Acq: 25 Sep 2018 20:54

Tgt Ion:240 Resp: 344086
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 25.3 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: 2.043 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036958.D

Acq: 25 Sep 2018 20:54

Instrument :

BNA_F

ClientSampleId :

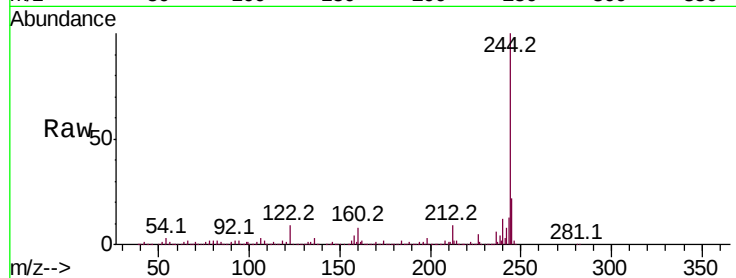
Tot Ion:184 Resp: 21255

Ion Ratio Lower Upper

184 100

185 15.3 12.6 18.8

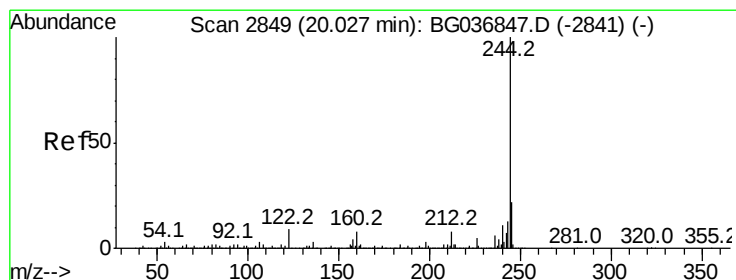
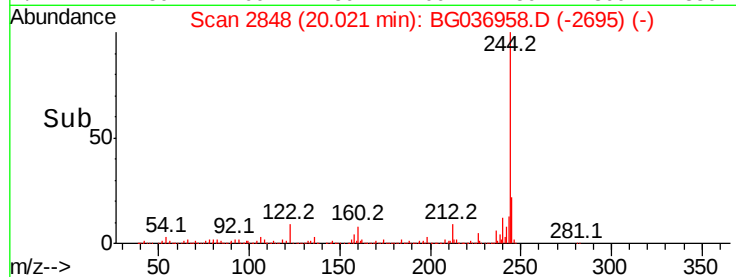
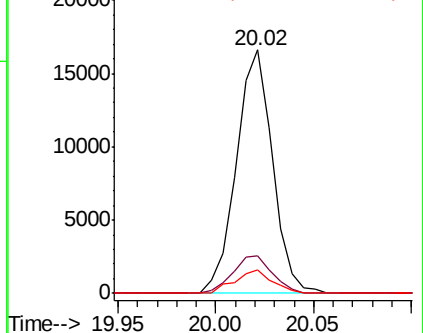
183 9.5 10.9 16.3#



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: 92.240 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036958.D

Acq: 25 Sep 2018 20:54

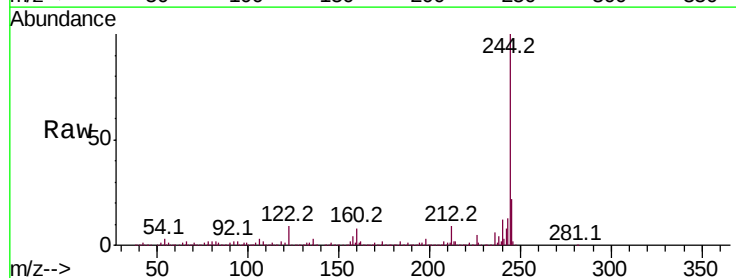
Tgt Ion:244 Resp: 1207025

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

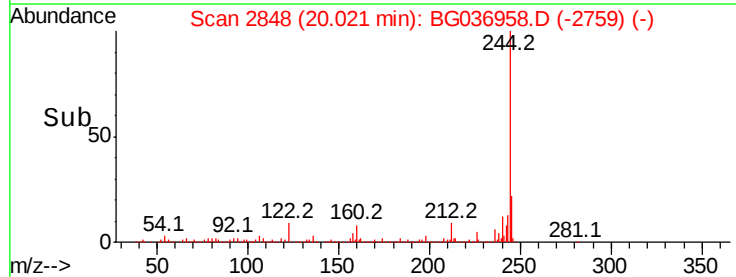
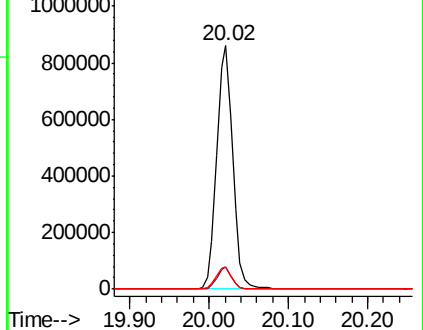
122 8.9 7.1 10.7

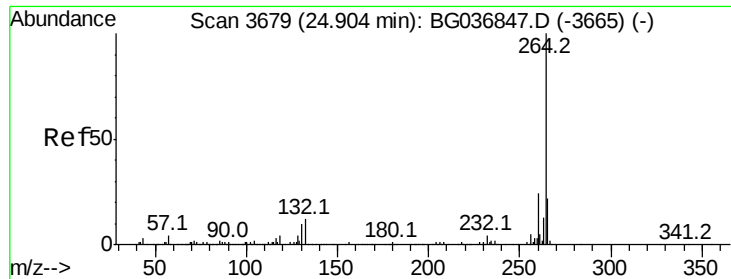


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG036958.D
Acq: 25 Sep 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.6	29.4
265	20.8	17.4	26.0

