

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092418\
 Data File : BG036930.D
 Acq On : 24 Sep 2018 23:03
 Operator : JU/SJ
 Sample : J4770-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-092118-G

Quant Time: Sep 25 06:10:22 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

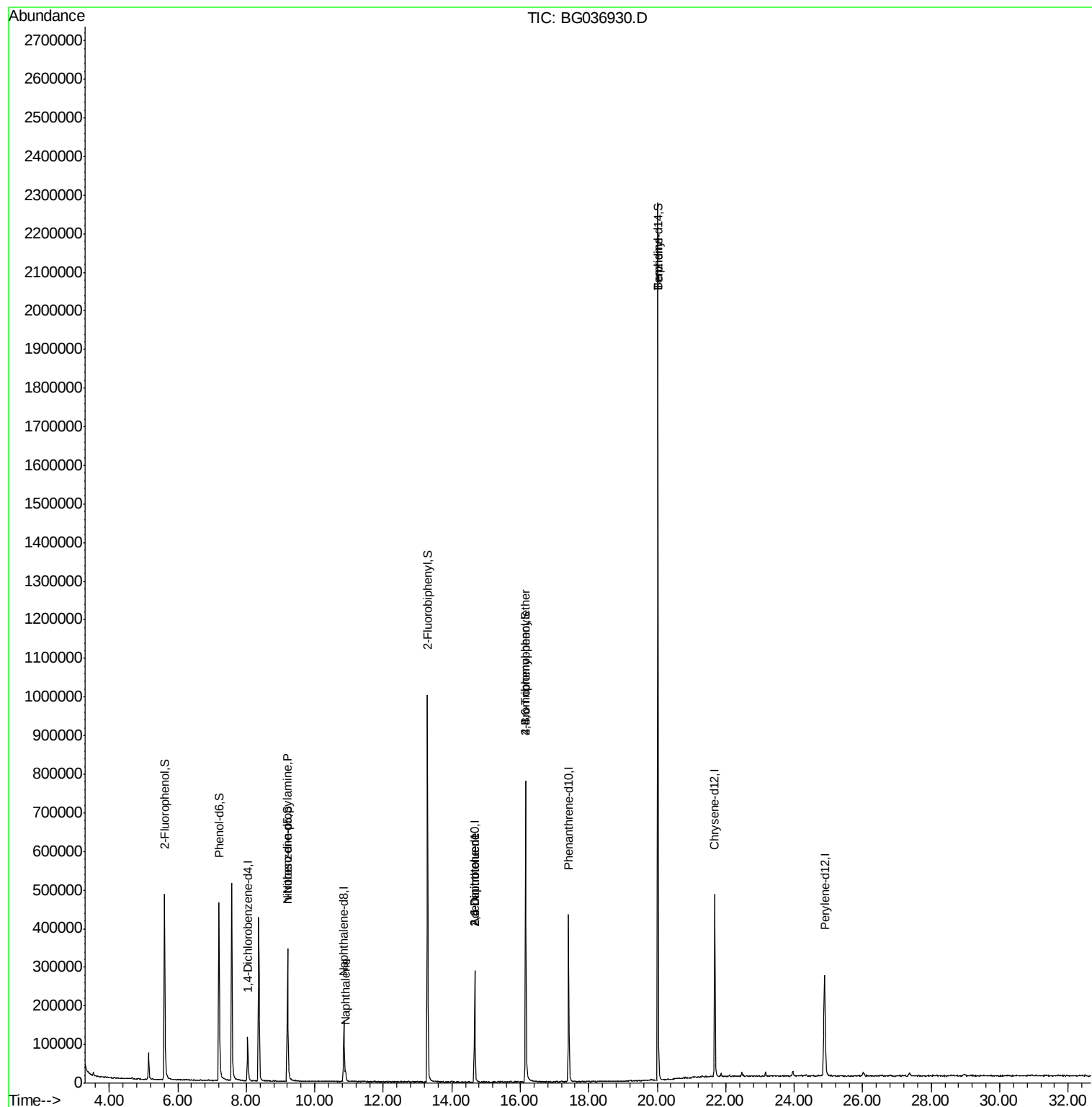
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	37010	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	157291	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	108865	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	294237	20.00	ng	0.00
75) Chrysene-d12	21.68	240	311795	20.00	ng	-0.01
86) Perylene-d12	24.89	264	307080	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	226400	117.32	ng	0.00
7) Phenol-d6	7.20	99	304223	101.89	ng	-0.01
23) Nitrobenzene-d5	9.21	82	245421	83.56	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	153371	117.75	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	577249	78.97	ng	0.00
78) Terphenyl-d14	20.02	244	1127739	95.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	32046	12.902	ng	Qvalue # 72
31) Naphthalene	10.90	128	23517	3.142	ng	98
50) 2,6-Dinitrotoluene	14.67	165	13912	7.276	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	13912	5.215	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	9919	2.964	ng	# 1
76) Benzidine	20.02	184	19552	2.074	ng	96

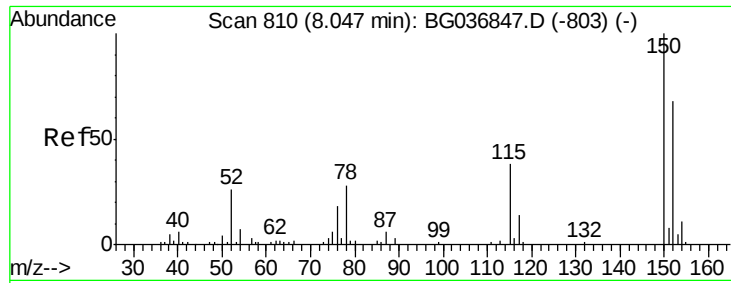
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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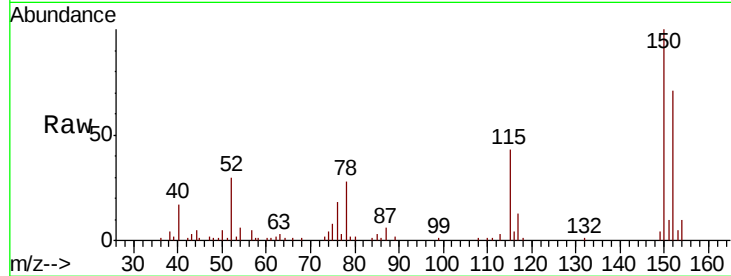


#1

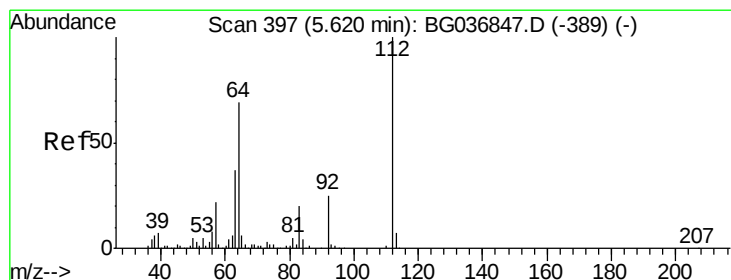
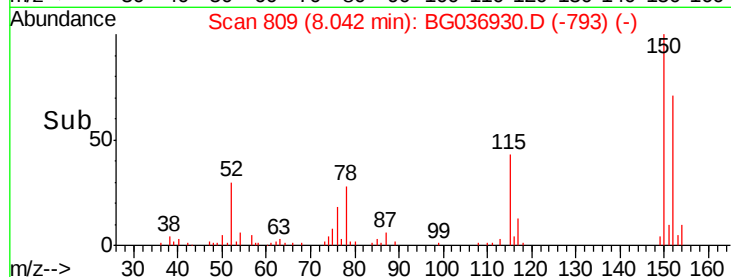
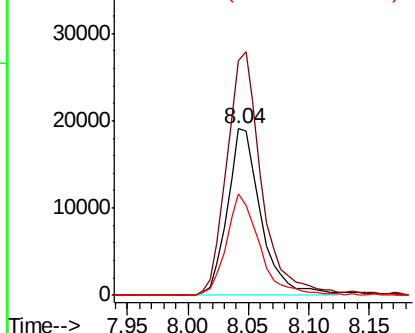
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

Instrument :
BNA_G
ClientSampleId :
JC-02-092118-G

Tgt Ion:152 Resp: 37010
Ion Ratio Lower Upper
152 100
150 141.2 119.5 179.3
115 60.7 44.5 66.7



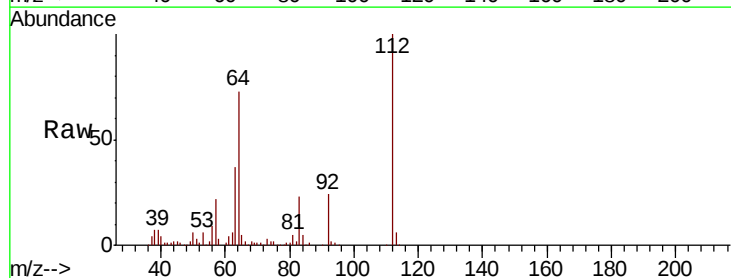
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



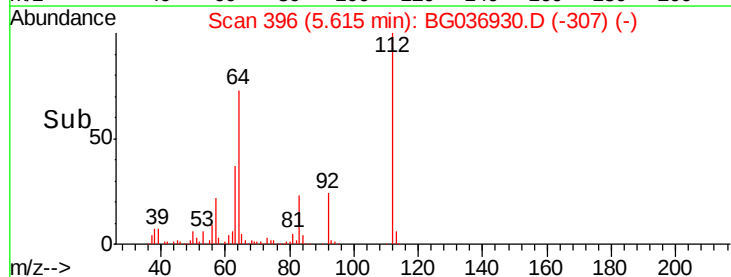
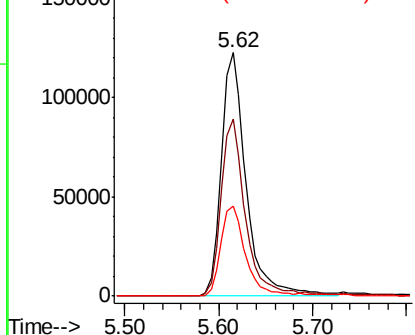
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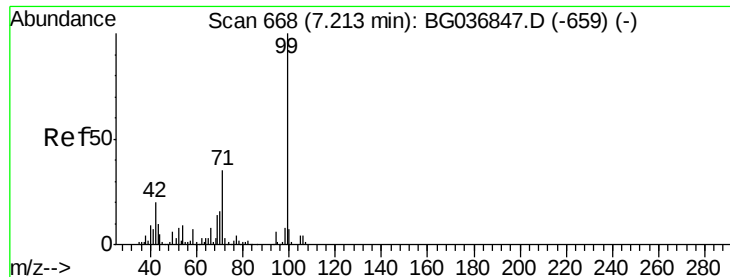
2-Fluorophenol
Concen: 117.316 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

Tgt Ion:112 Resp: 226400
Ion Ratio Lower Upper
112 100
64 72.8 57.2 85.8
63 37.0 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: 101.891 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036930.D

Acq: 24 Sep 2018 23:03

Instrument :

BNA_G

ClientSampleId :

JC-02-092118-G

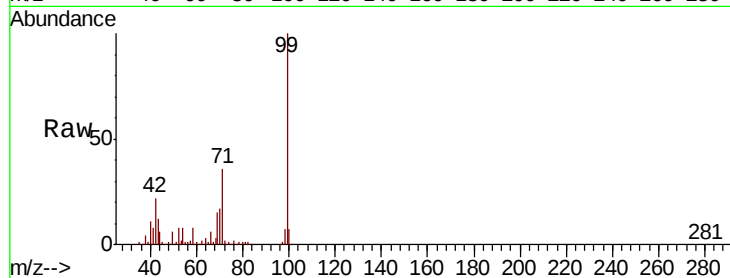
Tgt Ion: 99 Resp: 304223

Ion Ratio Lower Upper

99 100

42 22.4 16.5 24.7

71 36.0 29.4 44.2

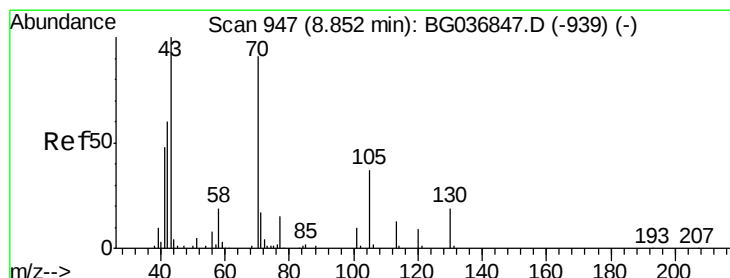
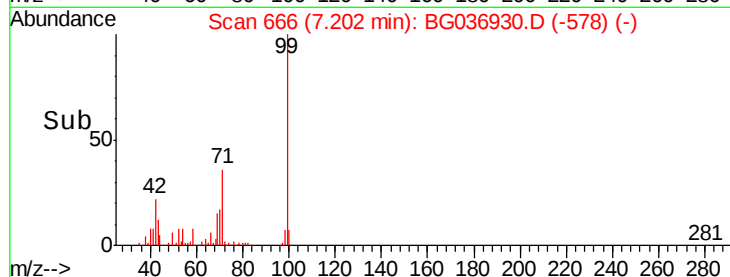
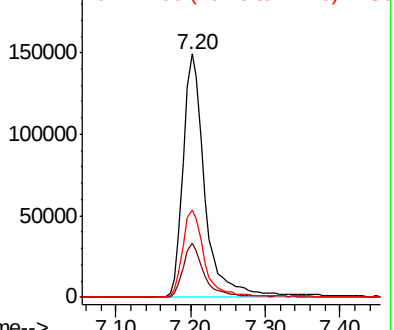


Abundance

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: 12.902 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036930.D

Acq: 24 Sep 2018 23:03

Tgt Ion: 70 Resp: 32046

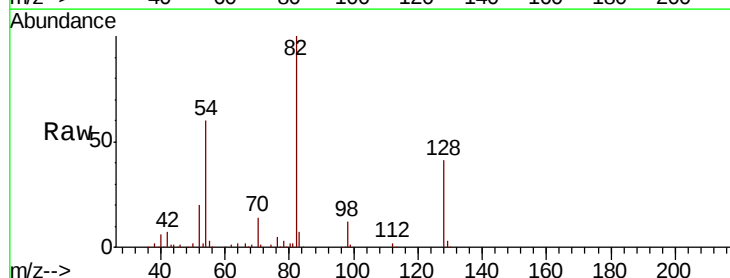
Ion Ratio Lower Upper

70 100

42 49.9 56.2 84.4#

101 0.0 7.8 11.6#

130 2.2 16.2 24.2#



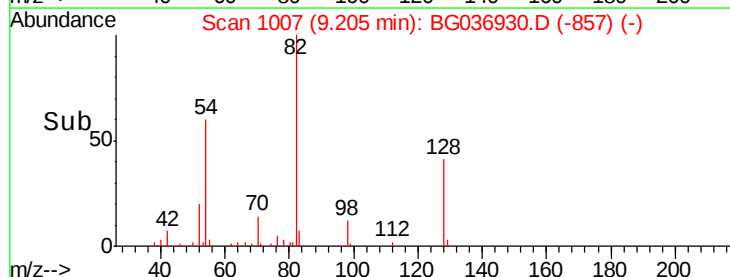
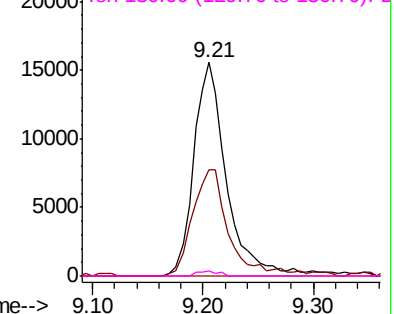
Abundance

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

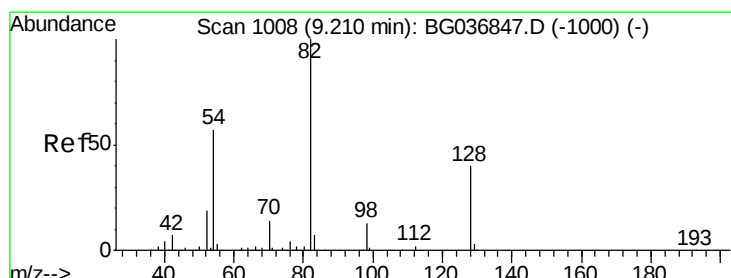
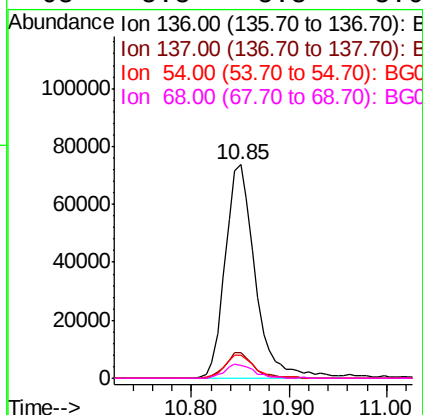
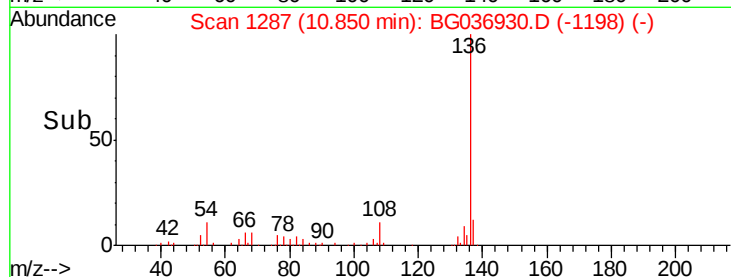
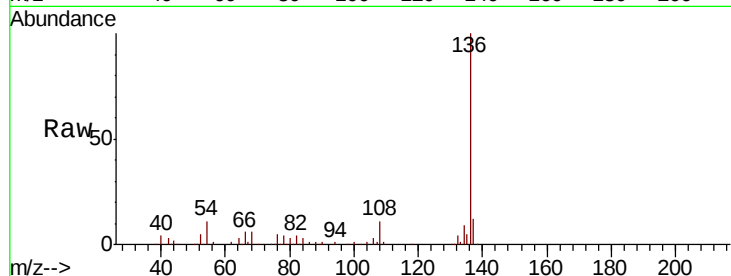




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

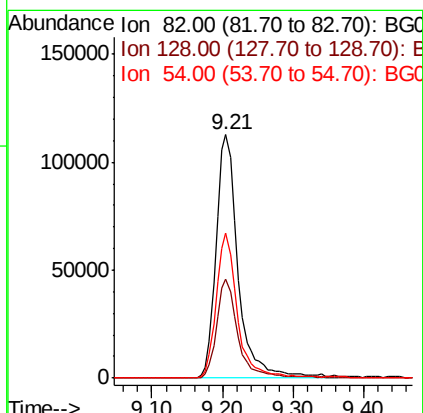
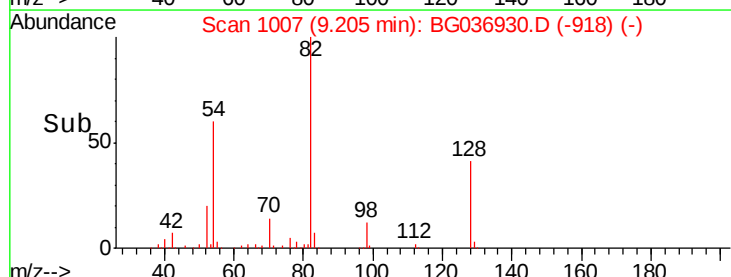
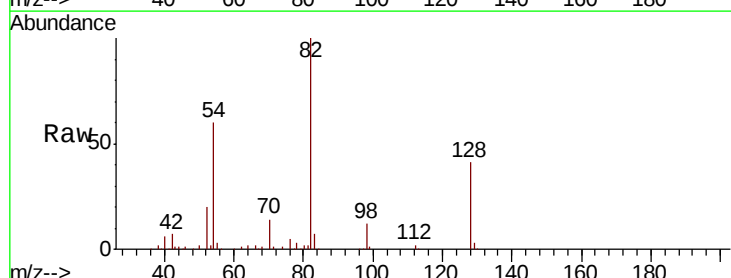
Instrument :
BNA_G
ClientSampleId :
JC-02-092118-G

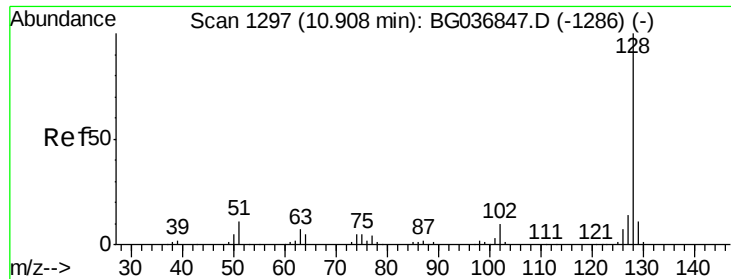
Tgt Ion:	136	Resp:	157291
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	10.8	9.2	13.8
68	5.8	5.8	8.6



#23
Nitrobenzene-d5
Concen: 83.556 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

Tgt Ion:	82	Resp:	245421
Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.3	49.9
54	59.6	45.1	67.7

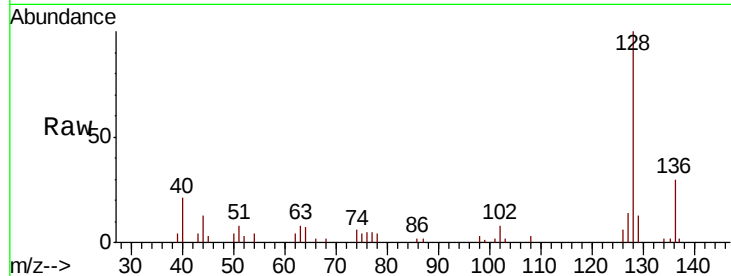




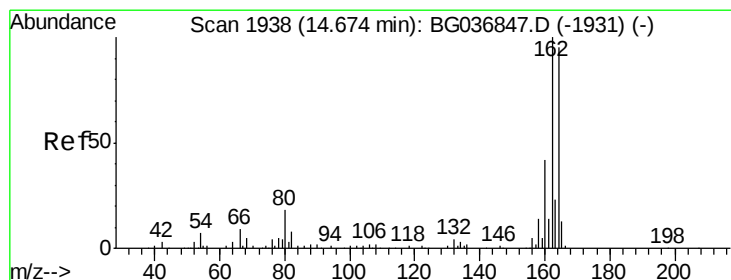
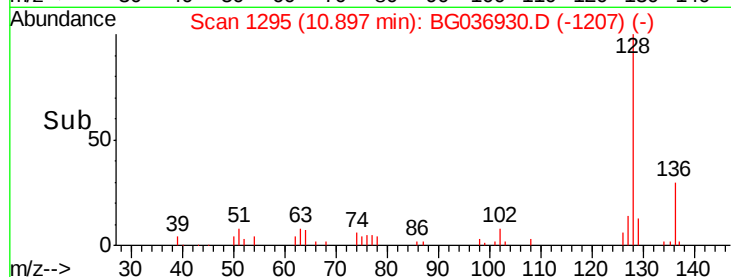
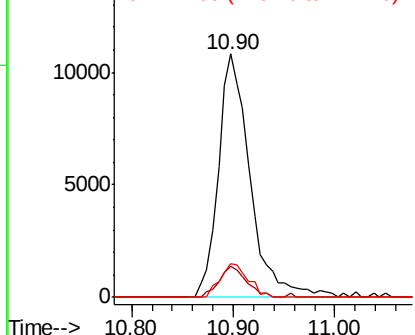
#31
Naphthalene
Concen: 3.142 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

Instrument :
BNA_G
ClientSampleId :
JC-02-092118-G

Tgt Ion:128 Resp: 23517
Ion Ratio Lower Upper
128 100
129 12.9 9.4 14.2
127 14.0 11.0 16.4

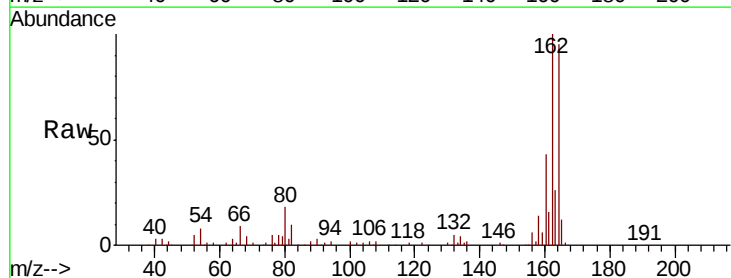


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

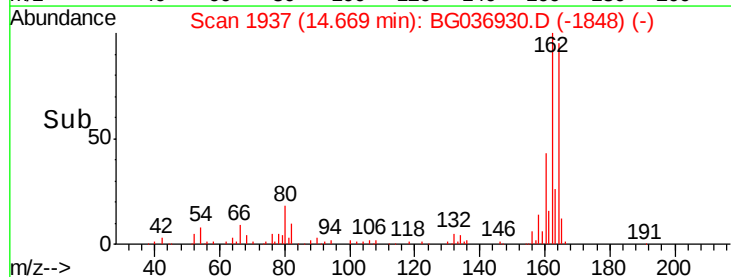
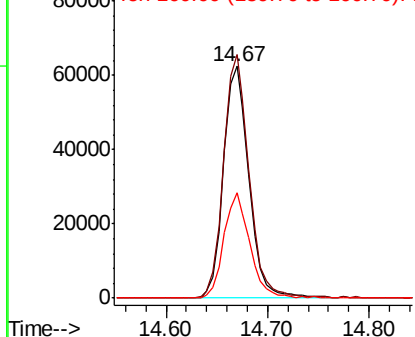


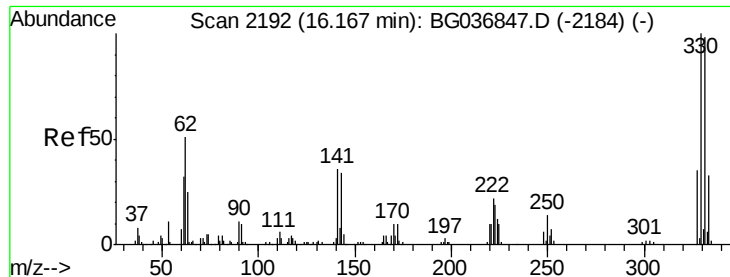
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

Tgt Ion:164 Resp: 108865
Ion Ratio Lower Upper
164 100
162 105.2 80.7 121.1
160 45.3 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

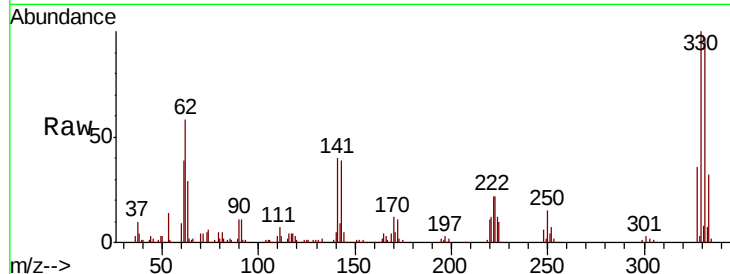




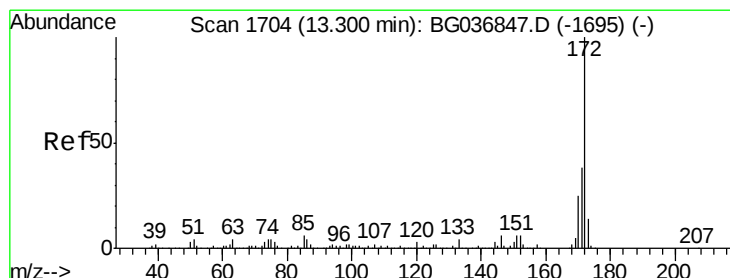
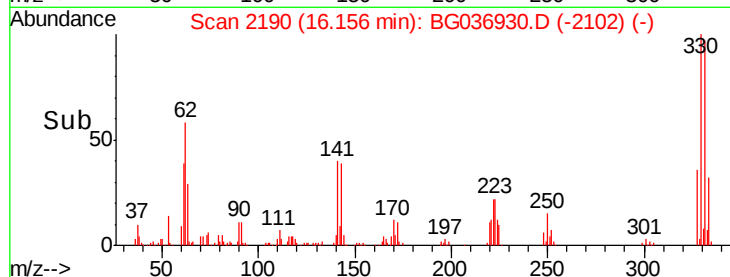
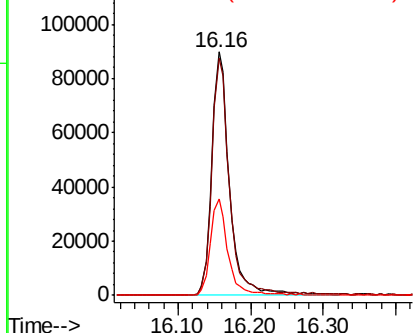
#41
 2,4,6-Tribromophenol
 Concen: 117.751 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG036930.D
 Acq: 24 Sep 2018 23:03

Instrument :
 BNA_G
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 JC-02-092118-G

Tgt Ion:330 Resp: 153371
 Ion Ratio Lower Upper
 330 100
 332 97.6 75.4 113.2
 141 38.8 30.7 46.1

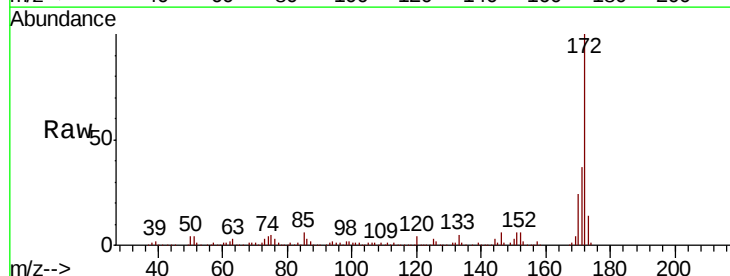


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

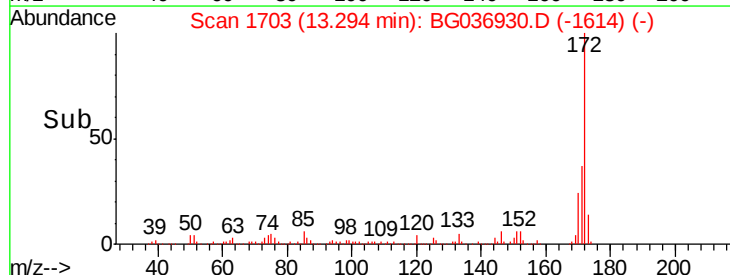
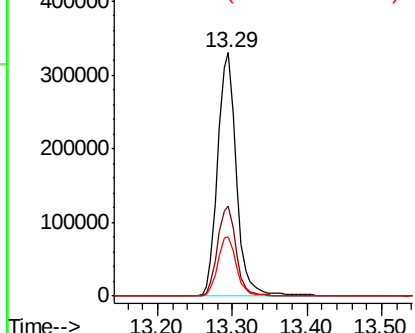


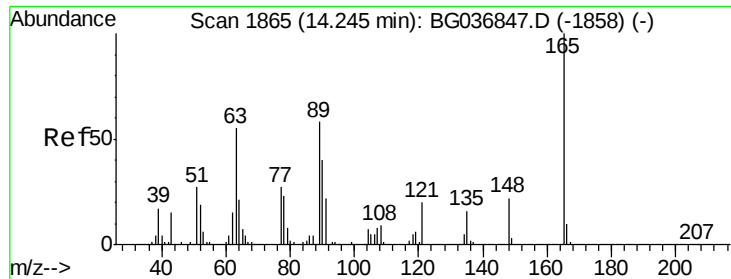
#44
 2-Fluorobiphenyl
 Concen: 78.974 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036930.D
 Acq: 24 Sep 2018 23:03

Tgt Ion:172 Resp: 577249
 Ion Ratio Lower Upper
 172 100
 171 36.8 31.3 46.9
 170 24.3 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

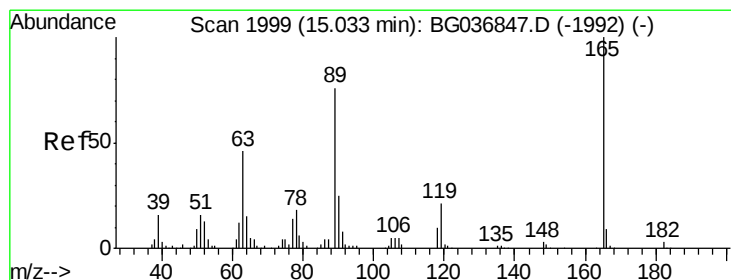
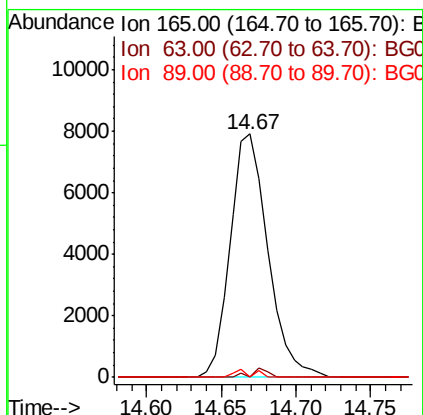
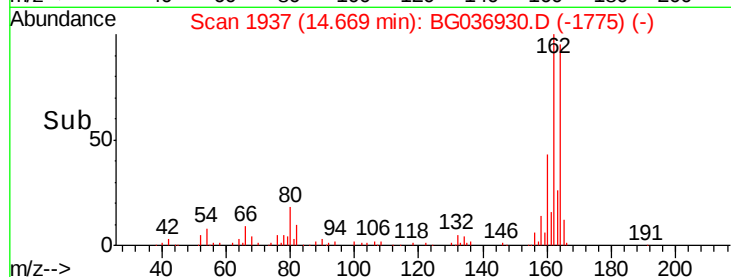
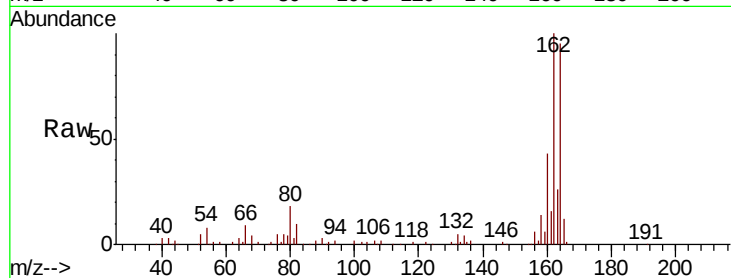




#50
2,6-Dinitrotoluene
Concen: 7.276 ng
RT: 14.67 min Scan# 1937
Delta R.T. 0.42 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

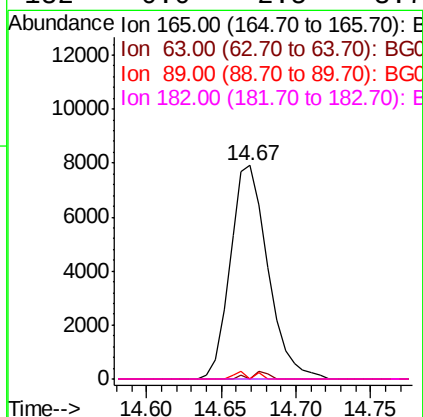
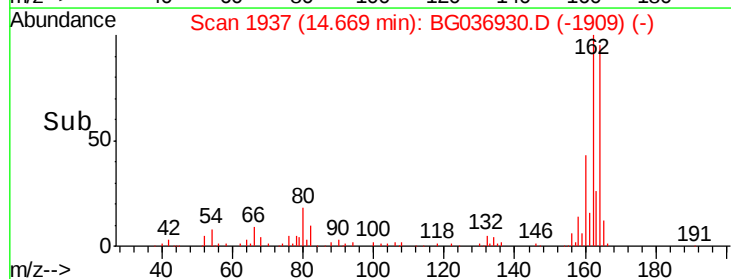
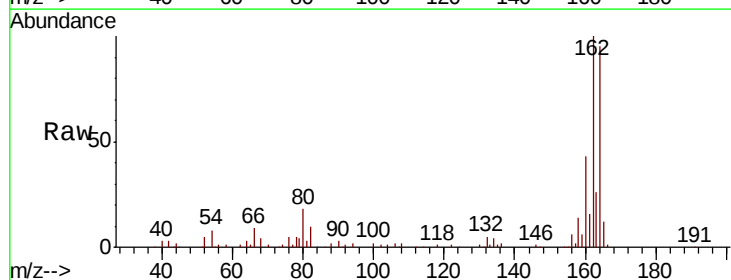
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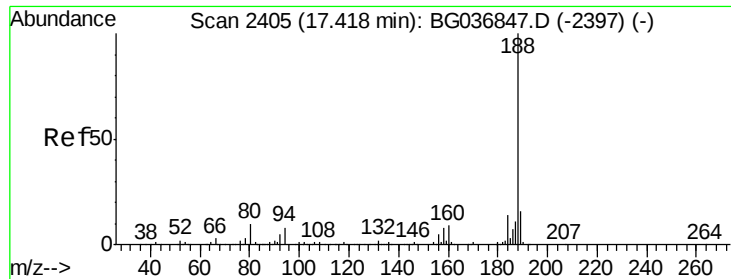
Tgt Ion:165 Resp: 13912
Ion Ratio Lower Upper
165 100
63 0.0 50.1 75.1#
89 0.0 47.8 71.6#



#56
2,4-Dinitrotoluene
Concen: 5.215 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.36 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

Tgt Ion:165 Resp: 13912
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 0.0 63.7 95.5#
182 0.0 2.5 3.7#

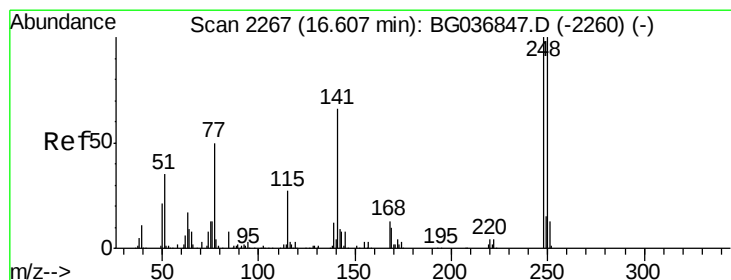
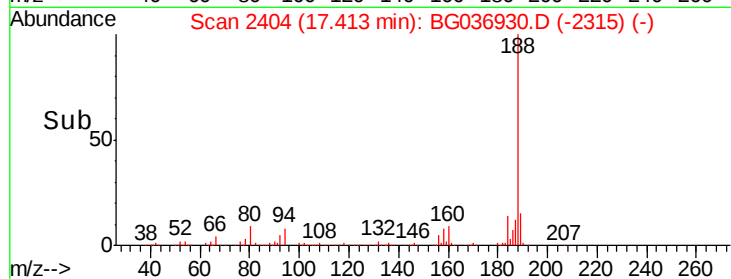
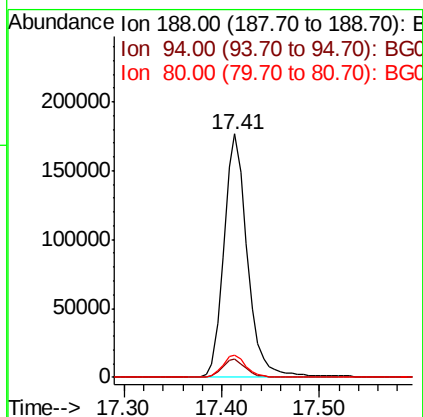
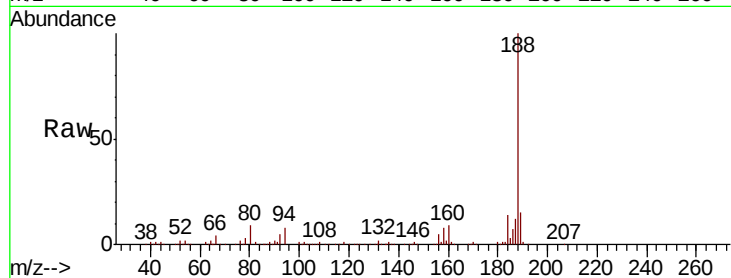




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

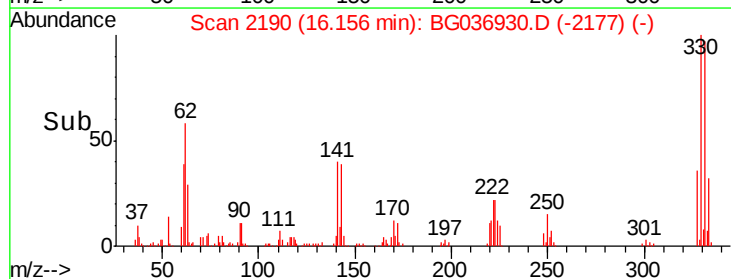
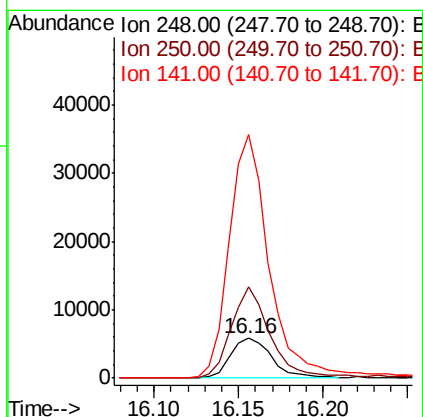
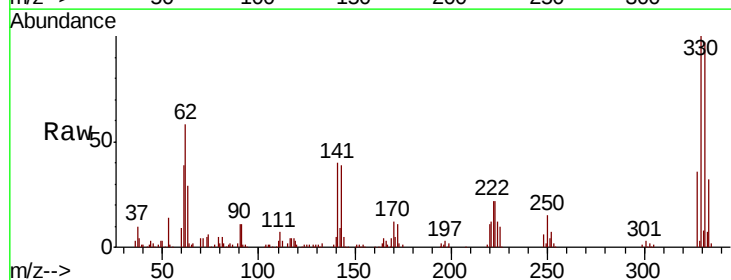
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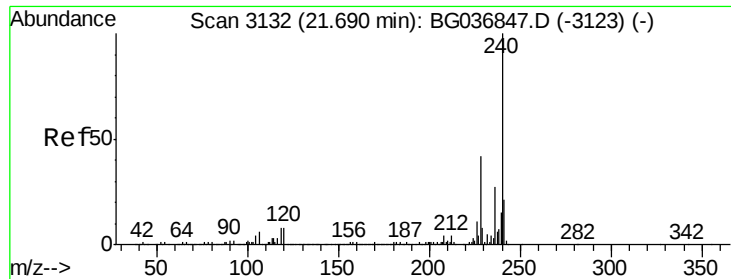
Tgt Ion:188 Resp: 294237
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 9.1 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 2.964 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG036930.D
Acq: 24 Sep 2018 23:03

Tgt Ion:248 Resp: 9919
Ion Ratio Lower Upper
248 100
250 228.7 78.1 117.1#
141 613.5 53.7 80.5#

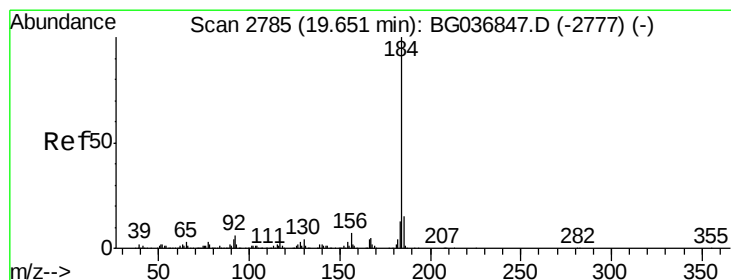
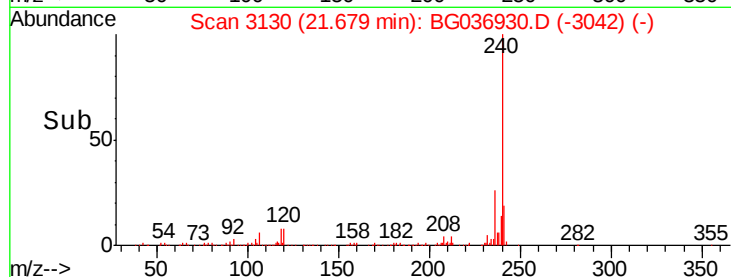
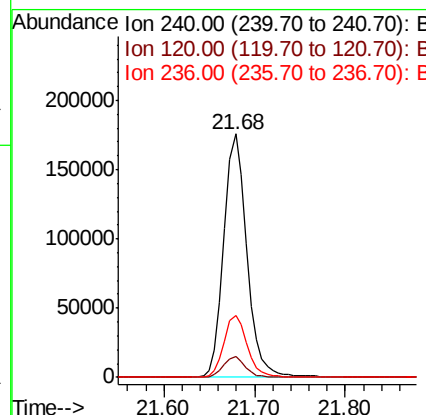
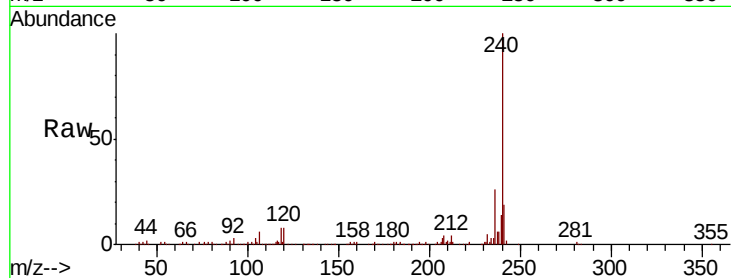




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036930.D
 Acq: 24 Sep 2018 23:03

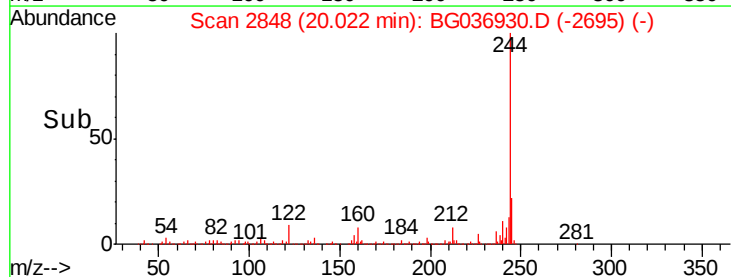
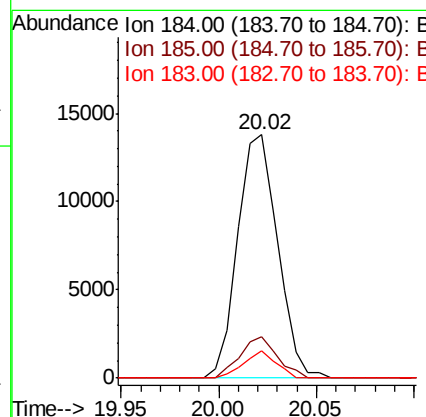
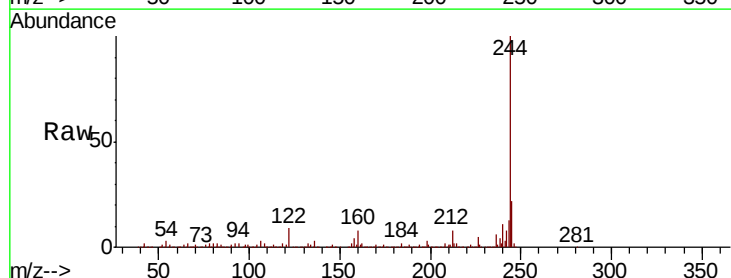
Instrument :
 BNA_G
 ClientSampleId :
 JC-02-092118-G

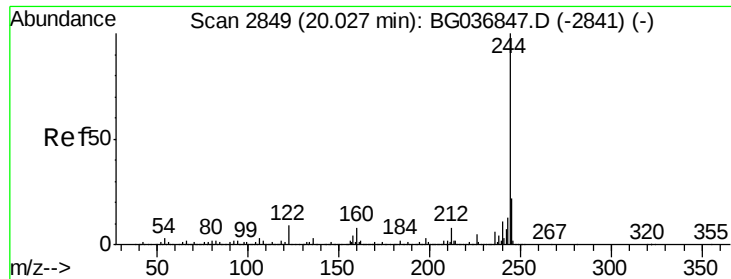
Tgt Ion:240 Resp: 311795
 Ion Ratio Lower Upper
 240 100
 120 8.4 6.9 10.3
 236 25.5 21.2 31.8



#76
 Benzidine
 Concen: 2.074 ng
 RT: 20.02 min Scan# 2848
 Delta R.T. 0.37 min
 Lab File: BG036930.D
 Acq: 24 Sep 2018 23:03

Tgt Ion:184 Resp: 19552
 Ion Ratio Lower Upper
 184 100
 185 17.0 12.6 18.8
 183 11.5 10.9 16.3





#78

Terphenyl-d14

Concen: 95.107 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036930.D

Acq: 24 Sep 2018 23:03

Instrument :

BNA_G

ClientSampleId :

JC-02-092118-G

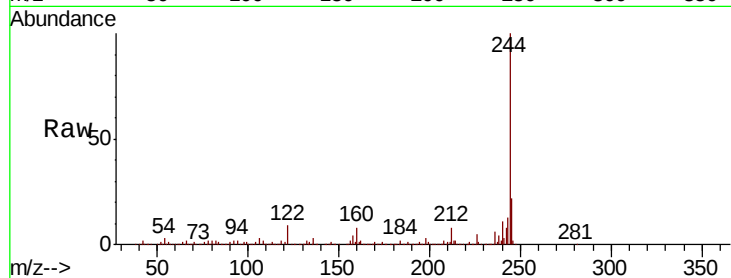
Tgt Ion:244 Resp: 1127739

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.6

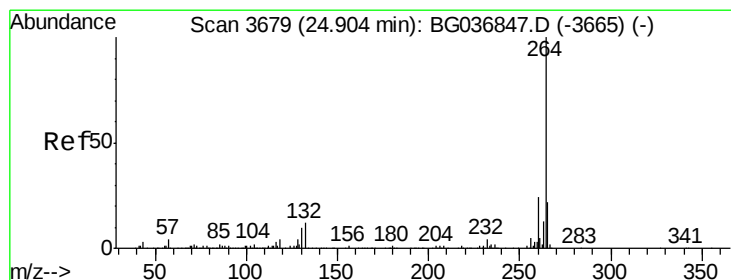
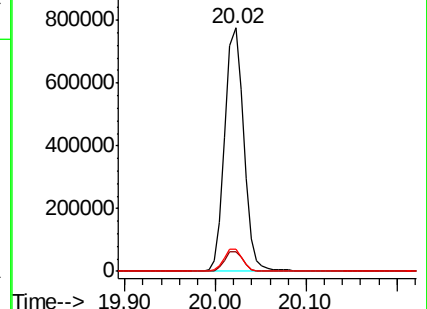
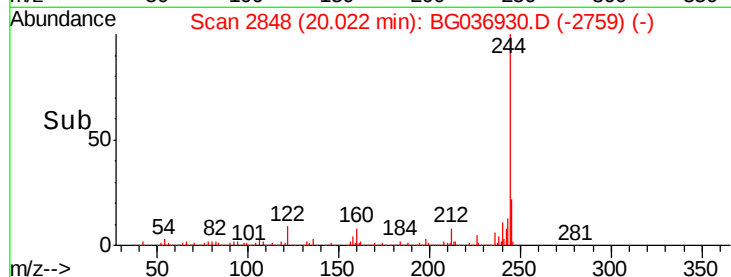
122 9.0 7.1 10.7



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

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3676

Delta R.T. -0.02 min

Lab File: BG036930.D

Acq: 24 Sep 2018 23:03

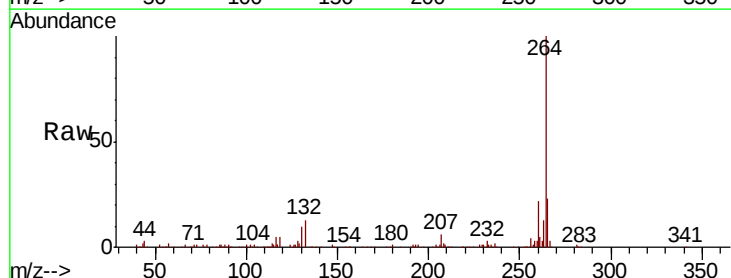
Tgt Ion:264 Resp: 307080

Ion Ratio Lower Upper

264 100

260 22.2 19.6 29.4

265 22.8 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

