

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092418\
 Data File : BG036931.D
 Acq On : 24 Sep 2018 23:42
 Operator : JU/SJ
 Sample : J4770-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Sep 25 06:10:30 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

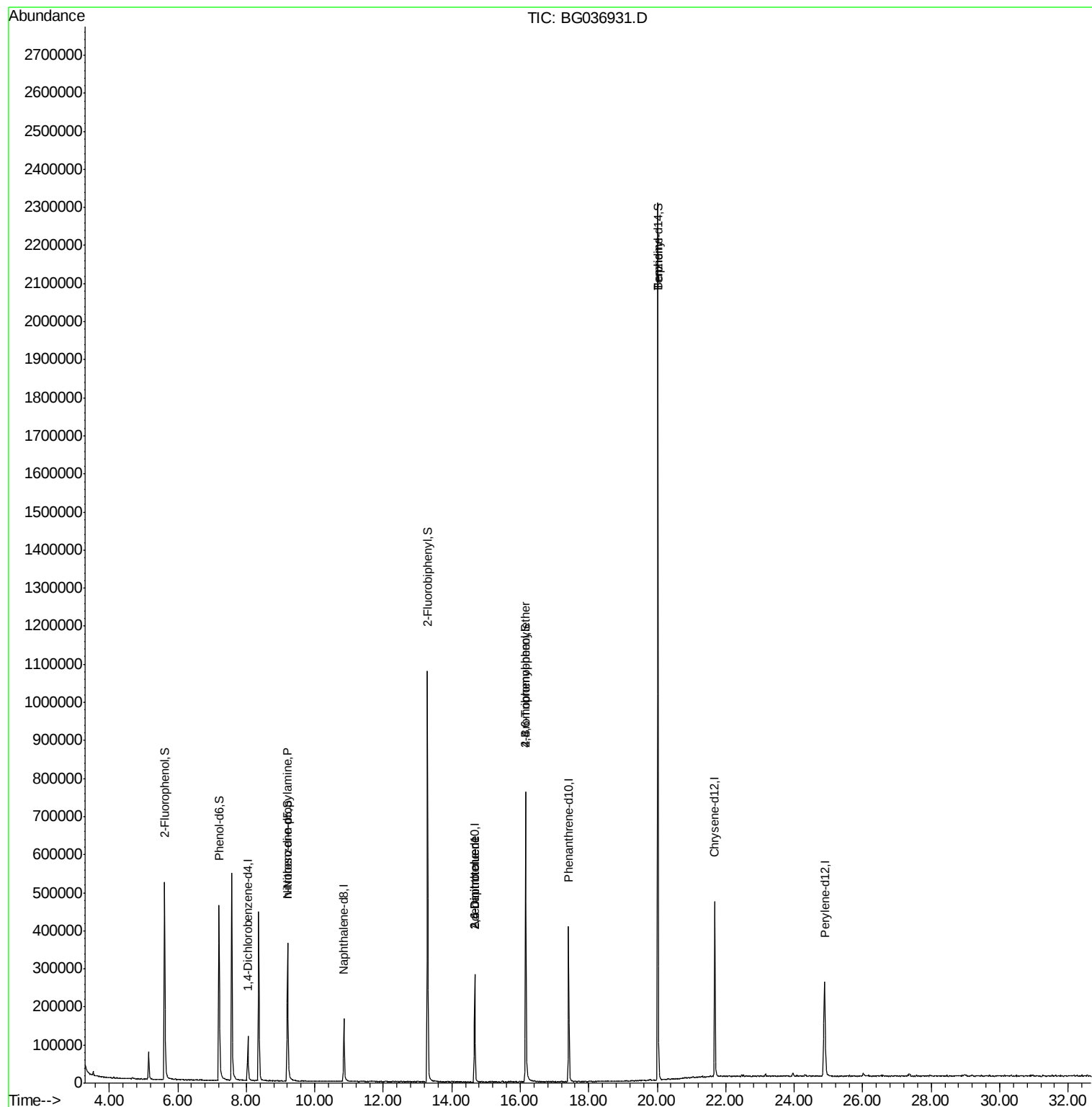
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	36807	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	160312	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	106730	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	280169	20.00	ng	0.00
75) Chrysene-d12	21.68	240	302601	20.00	ng	-0.01
86) Perylene-d12	24.89	264	293326	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	243722	126.99	ng	0.00
7) Phenol-d6	7.20	99	305092	102.75	ng	-0.01
23) Nitrobenzene-d5	9.20	82	256668	85.74	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	151580	118.70	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	589982	82.33	ng	0.00
78) Terphenyl-d14	20.02	244	1105720	96.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	34036	13.779	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	13484	7.194	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	13484	5.155	ng	# 21
66) 4-Bromophenyl-phenylether	16.15	248	10559	3.313	ng	# 1
76) Benzidine	20.02	184	19360	2.116	ng	# 91

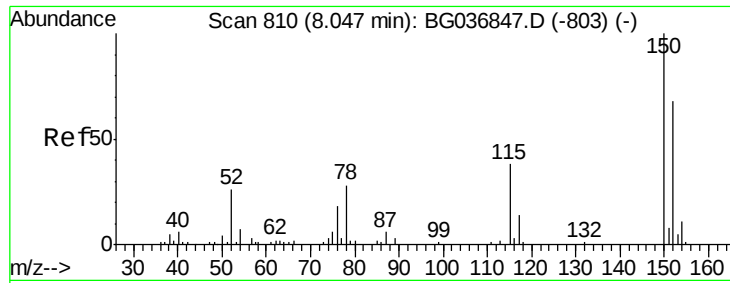
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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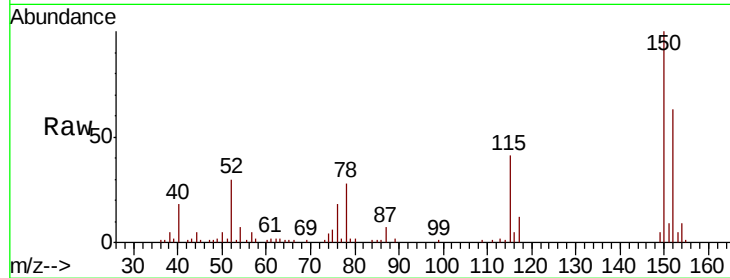




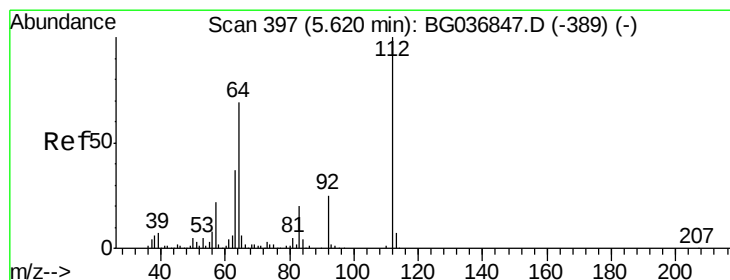
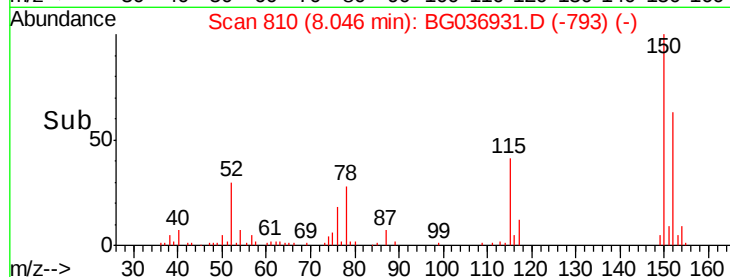
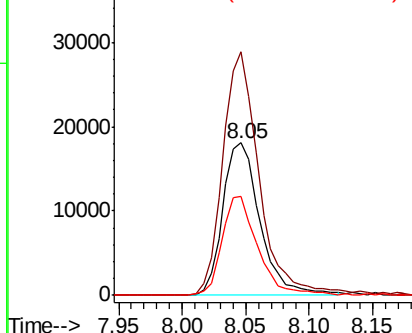
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BG036931.D
 Acq: 24 Sep 2018 23:42

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

Tgt Ion:152 Resp: 36807
 Ion Ratio Lower Upper
 152 100
 150 159.9 119.5 179.3
 115 65.1 44.5 66.7

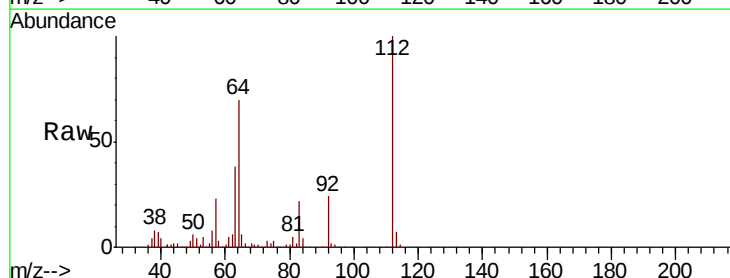


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

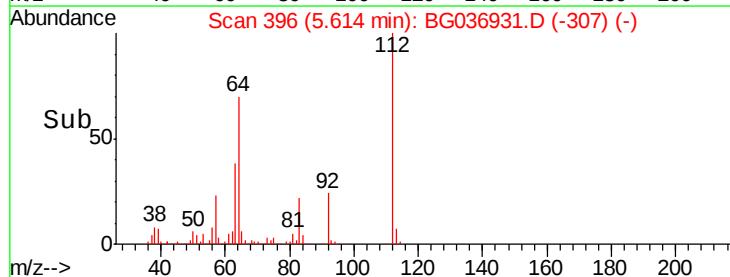
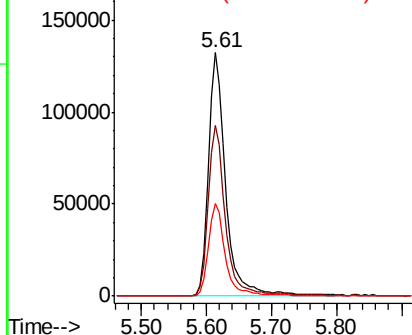


#5
 2-Fluorophenol
 Concen: 126.988 ng
 RT: 5.61 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BG036931.D
 Acq: 24 Sep 2018 23:42

Tgt Ion:112 Resp: 243722
 Ion Ratio Lower Upper
 112 100
 64 70.1 57.2 85.8
 63 38.2 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: 102.745 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036931.D

Acq: 24 Sep 2018 23:42

Instrument :

BNA_G

ClientSampleId :

JC-02-092118-H

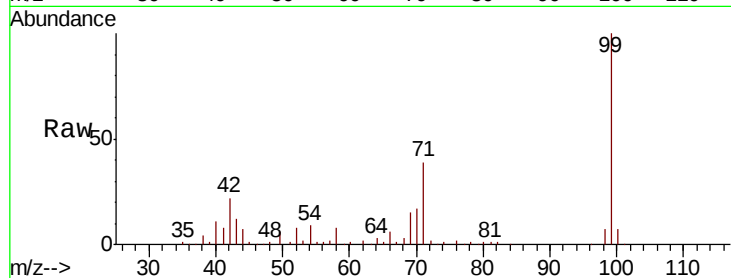
Tgt Ion: 99 Resp: 305092

Ion Ratio Lower Upper

99 100

42 22.1 16.5 24.7

71 38.7 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

200000

150000

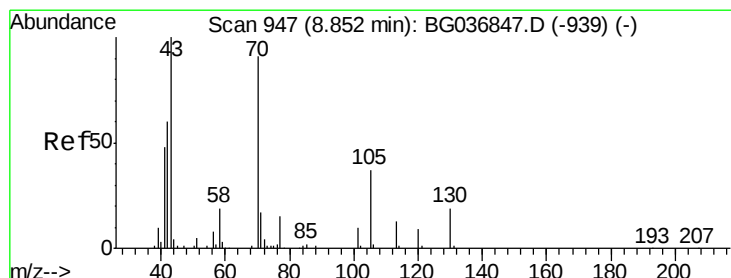
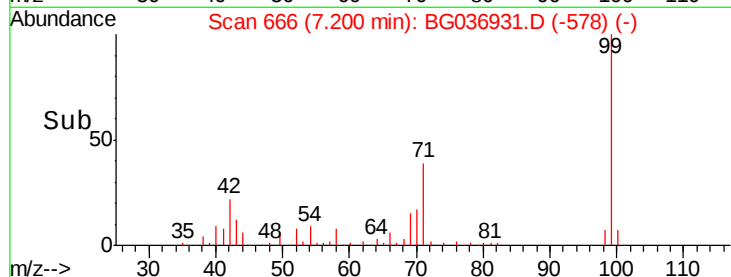
100000

50000

0

7.10 7.20 7.30

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.779 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036931.D

Acq: 24 Sep 2018 23:42

Tgt Ion: 70 Resp: 34036

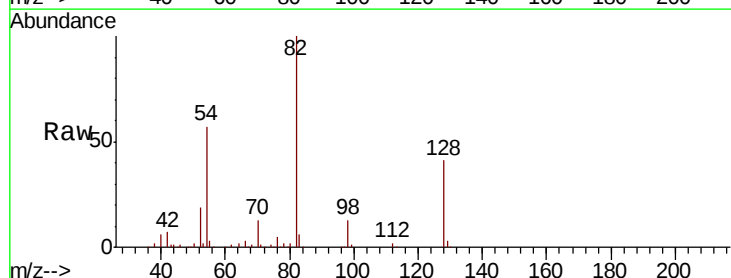
Ion Ratio Lower Upper

70 100

42 50.6 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

25000

20000

15000

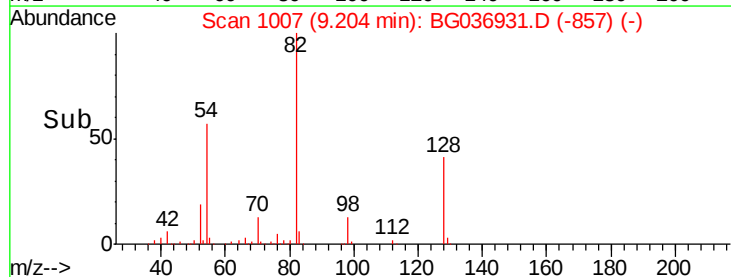
10000

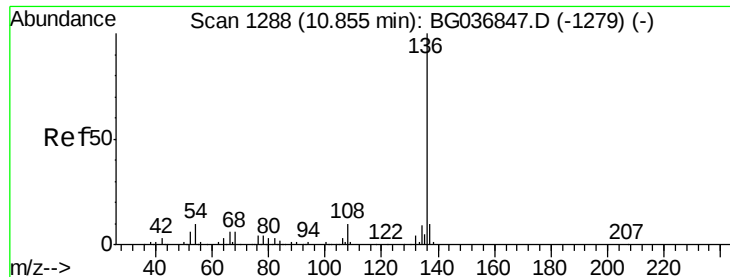
5000

0

9.10 9.20 9.30

Time-->

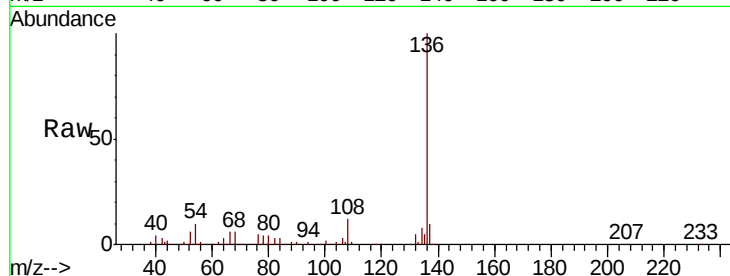




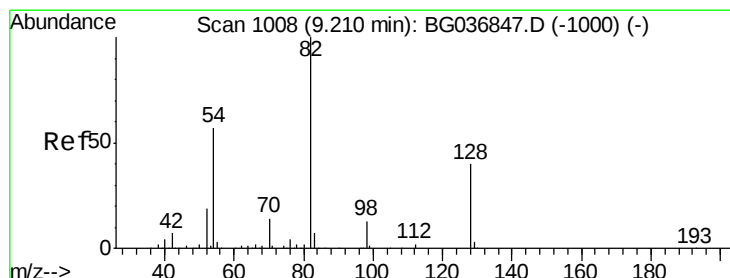
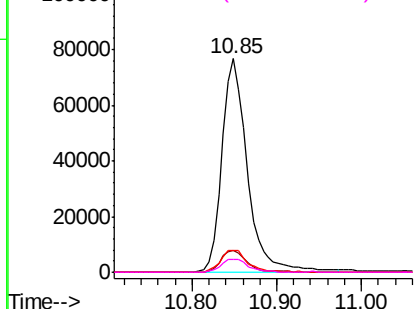
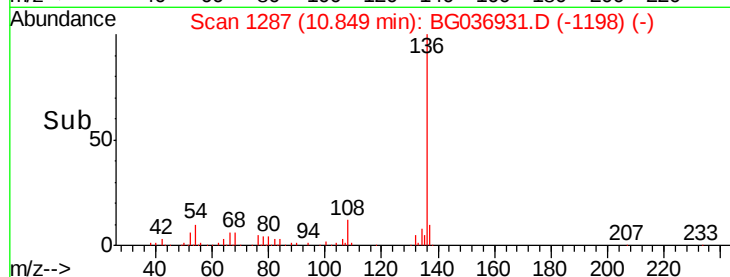
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036931.D
Acq: 24 Sep 2018 23:42

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

Tgt Ion:	136	Resp:	160312
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	10.5	9.2	13.8
68	6.1	5.8	8.6

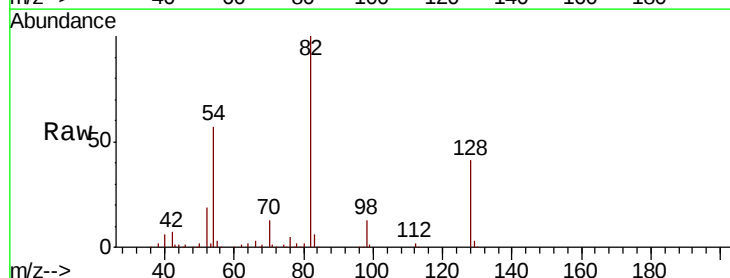


Abundance Ion 136.00 (135.70 to 136.70): E
120000
Ion 137.00 (136.70 to 137.70): E
100000
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

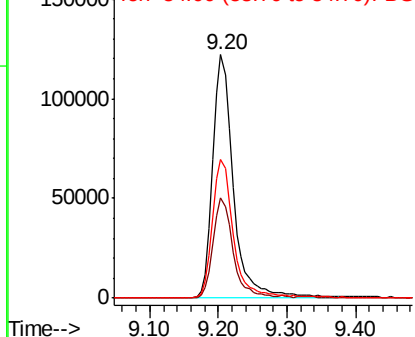
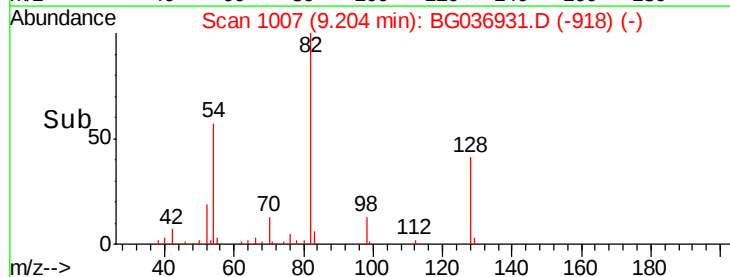


#23
Nitrobenzene-d5
Concen: 85.738 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036931.D
Acq: 24 Sep 2018 23:42

Tgt Ion:	82	Resp:	256668
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.3	49.9
54	56.8	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: BG036931.D

Acq: 24 Sep 2018 23:42

Instrument :

BNA_G

ClientSampleId :

JC-02-092118-H

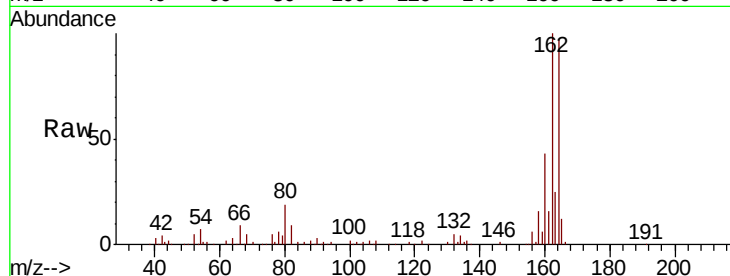
Tgt Ion:164 Resp: 106730

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

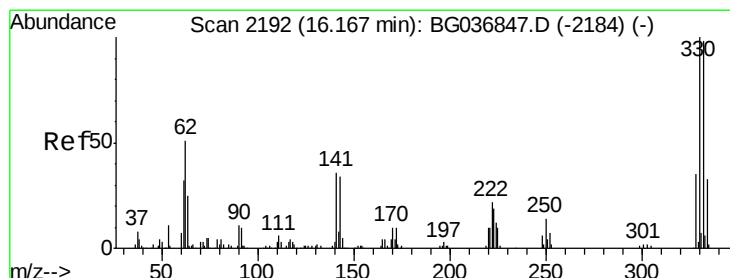
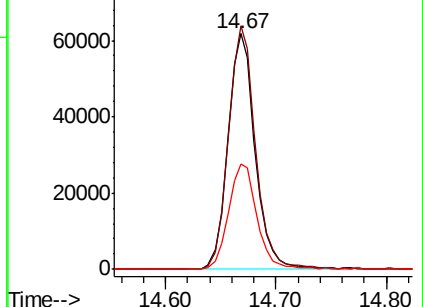
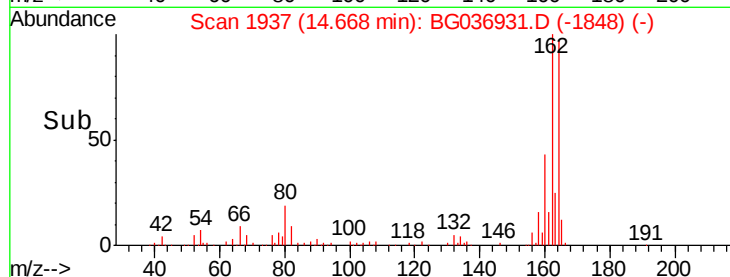
160 44.5 35.3 52.9



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: 118.704 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036931.D

Acq: 24 Sep 2018 23:42

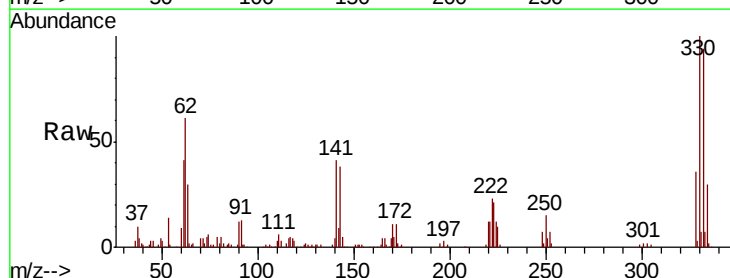
Tgt Ion:330 Resp: 151580

Ion Ratio Lower Upper

330 100

332 95.9 75.4 113.2

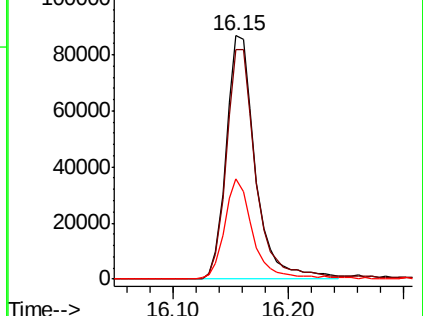
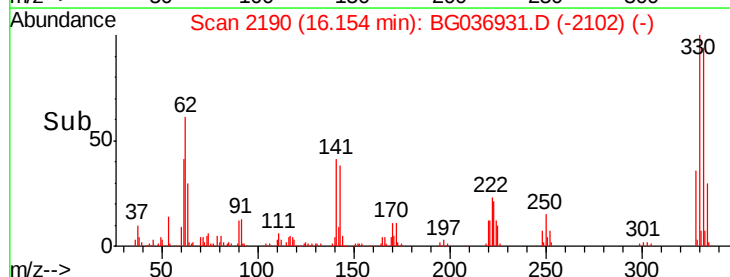
141 40.8 30.7 46.1

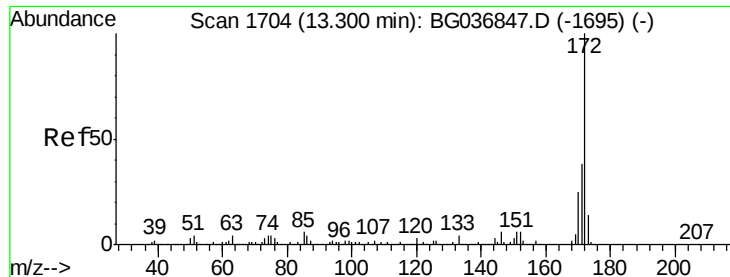


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

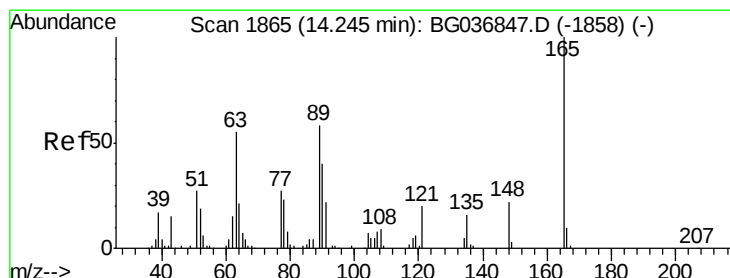
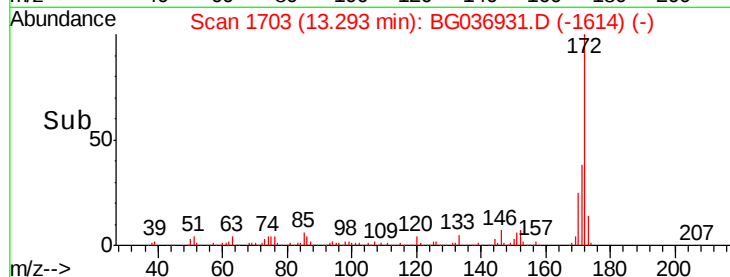
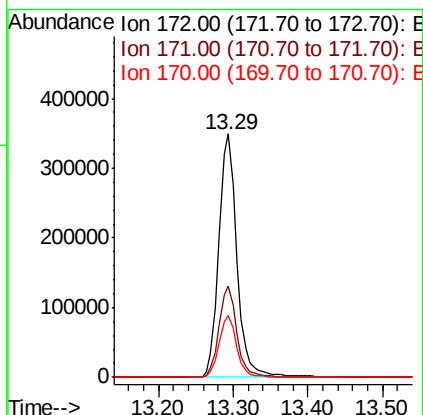
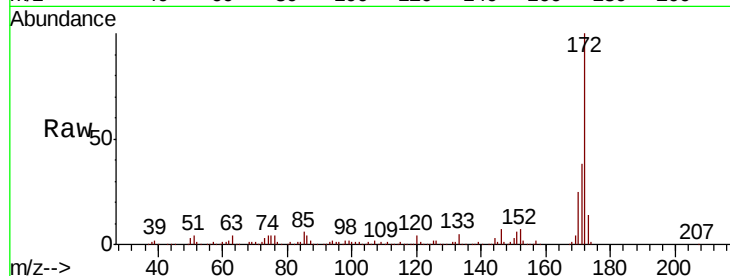




#44
 2-Fluorobiphenyl
 Concen: 82.330 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036931.D
 Acq: 24 Sep 2018 23:42

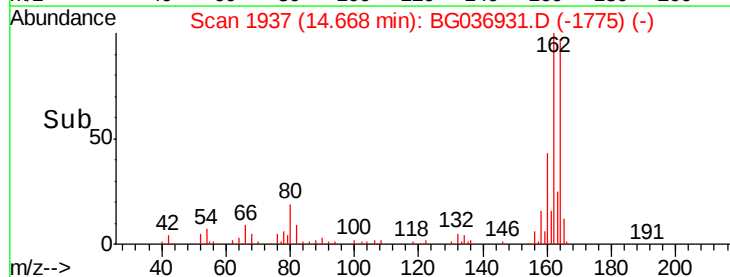
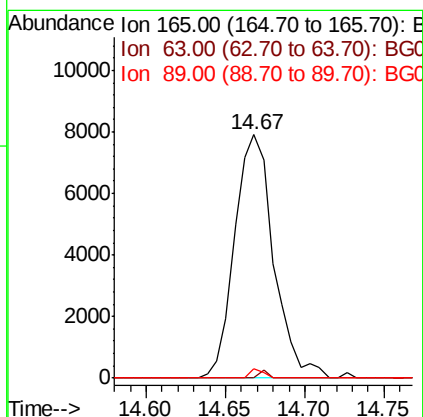
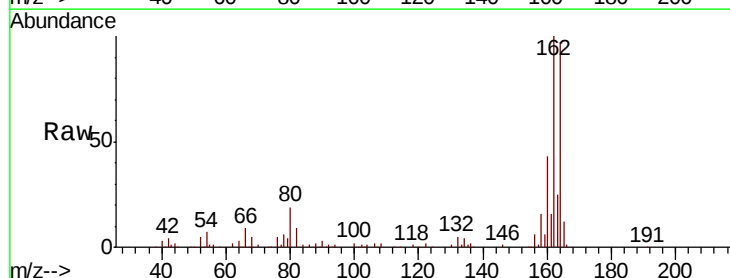
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 JC-02-092118-H

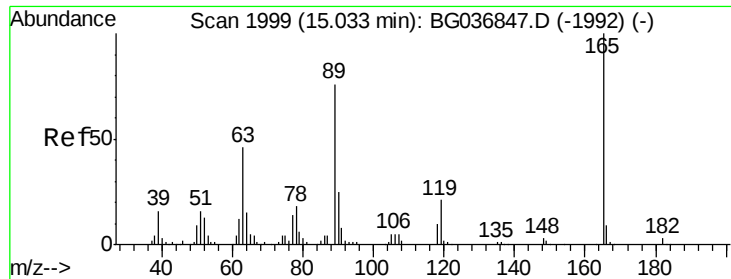
Tgt Ion:172 Resp: 589982
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.3 46.9
 170 25.3 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.194 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036931.D
 Acq: 24 Sep 2018 23:42

Tgt Ion:165 Resp: 13484
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 3.7 47.8 71.6#

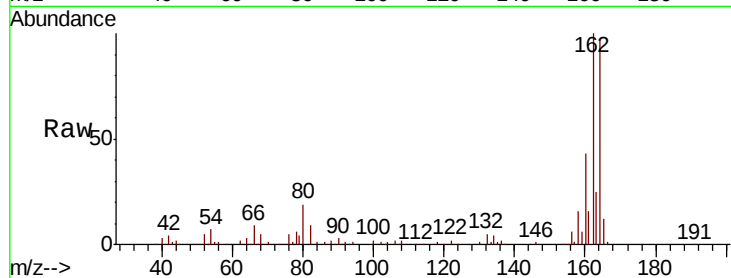




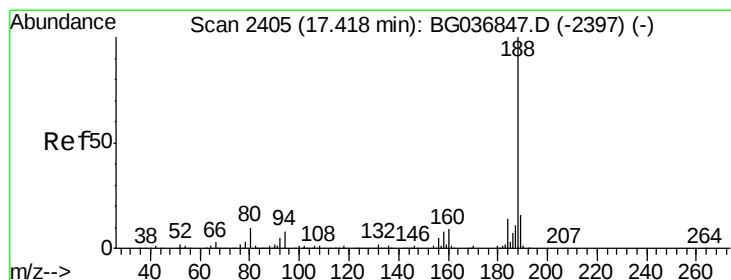
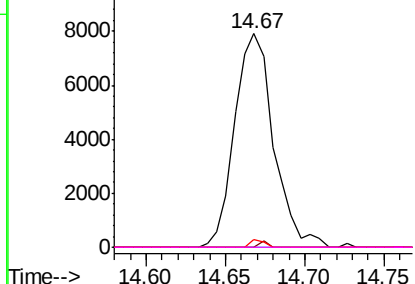
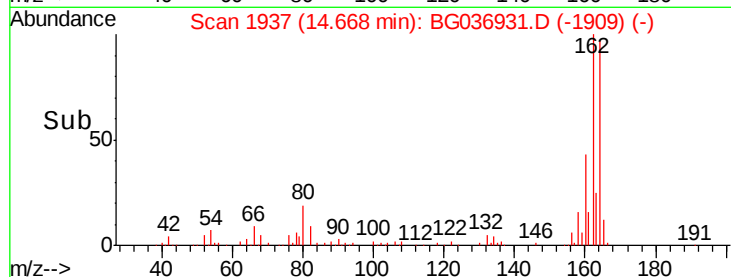
#56
 2,4-Dinitrotoluene
 Concen: 5.155 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036931.D
 Acq: 24 Sep 2018 23:42

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

Tgt Ion:	165	Resp:	13484
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	3.7	63.7	95.5#
182	0.0	2.5	3.7#

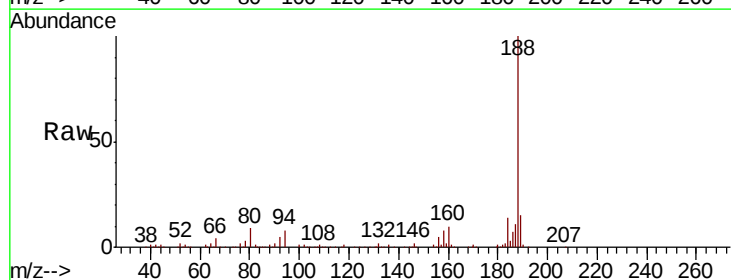


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

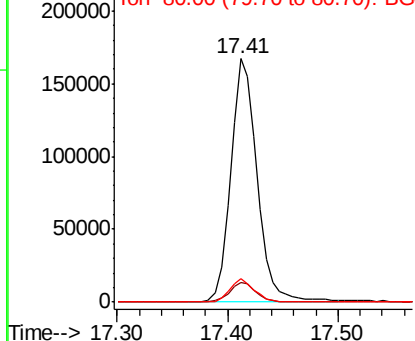
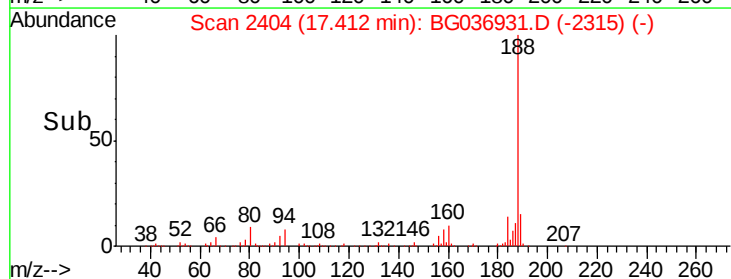


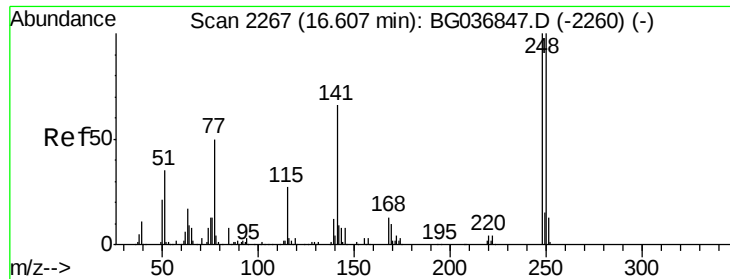
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036931.D
 Acq: 24 Sep 2018 23:42

Tgt Ion:	188	Resp:	280169
Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.7	10.1
80	9.4	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

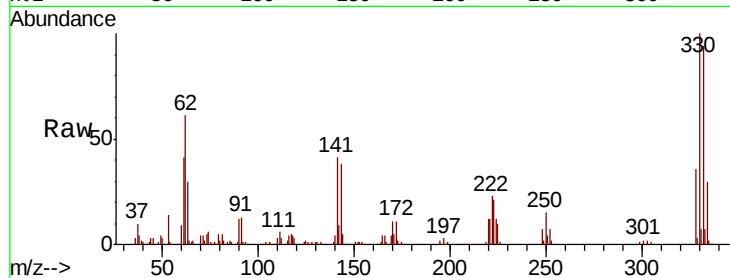




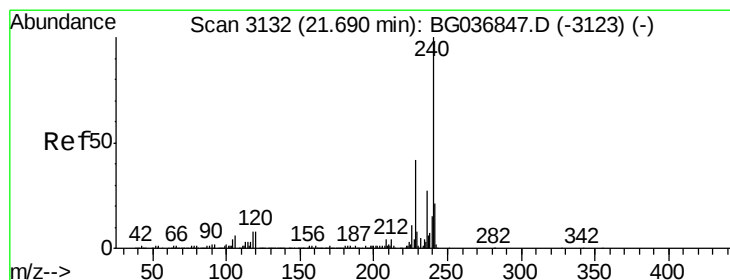
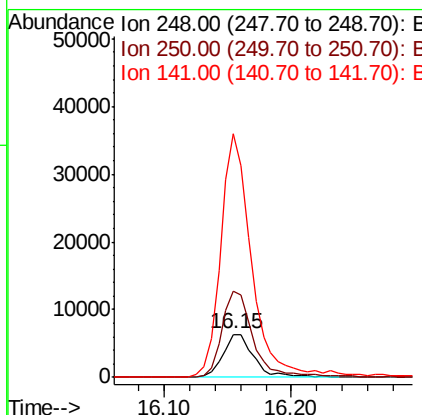
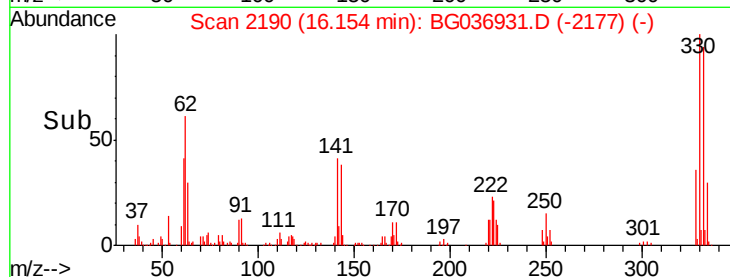
#66
 4-Bromophenyl-phenylether
 Concen: 3.313 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036931.D
 Acq: 24 Sep 2018 23:42

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

Tgt Ion:248 Resp: 10559
 Ion Ratio Lower Upper
 248 100
 250 201.3 78.1 117.1#
 141 569.6 53.7 80.5#

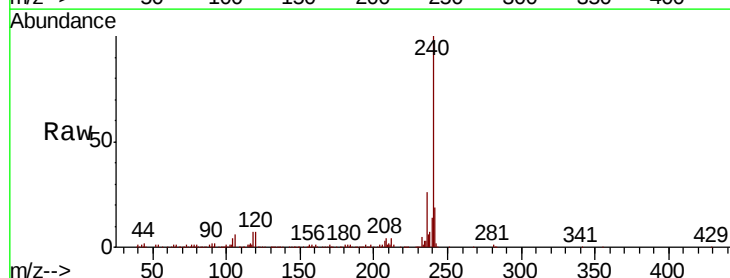


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

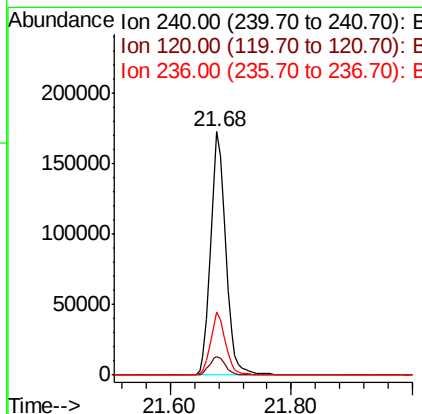
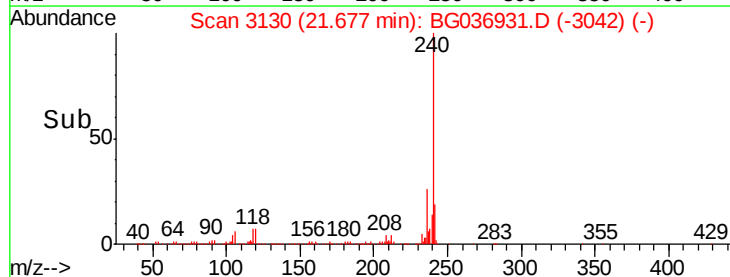


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036931.D
 Acq: 24 Sep 2018 23:42

Tgt Ion:240 Resp: 302601
 Ion Ratio Lower Upper
 240 100
 120 7.4 6.9 10.3
 236 25.8 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: 2.116 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036931.D

Acq: 24 Sep 2018 23:42

Instrument :

BNA_G

ClientSampleId :

JC-02-092118-H

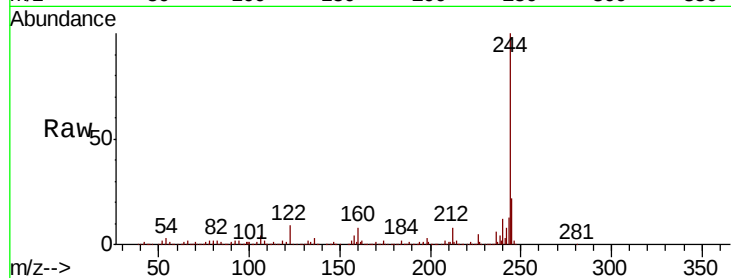
Tgt Ion:184 Resp: 19360

Ion Ratio Lower Upper

184 100

185 16.7 12.6 18.8

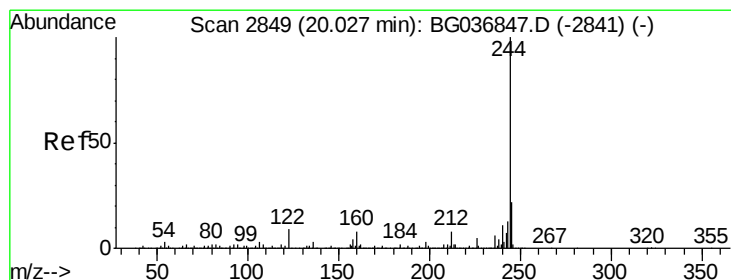
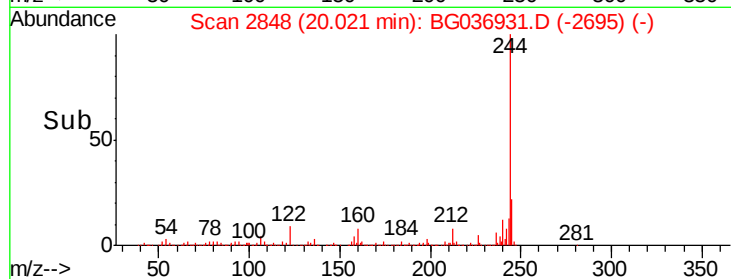
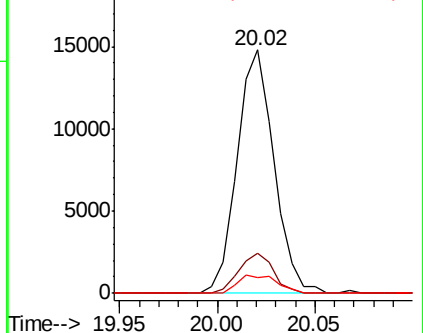
183 6.5 10.9 16.3#



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: 96.083 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036931.D

Acq: 24 Sep 2018 23:42

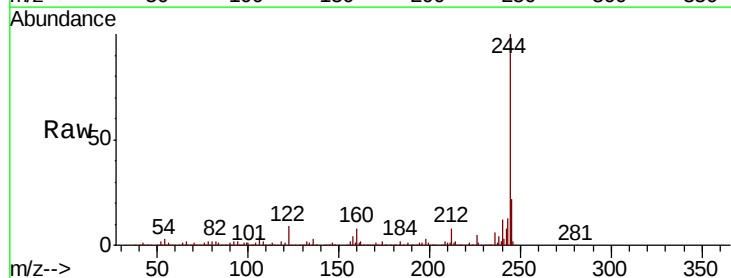
Tgt Ion:244 Resp: 1105720

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

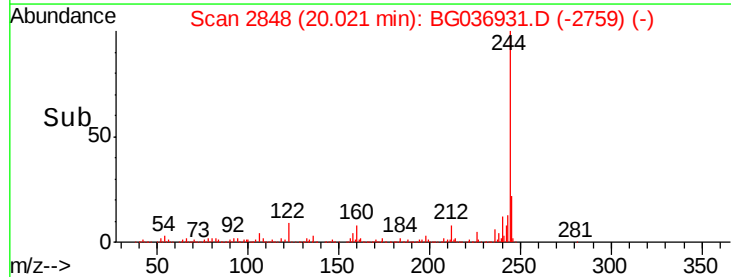
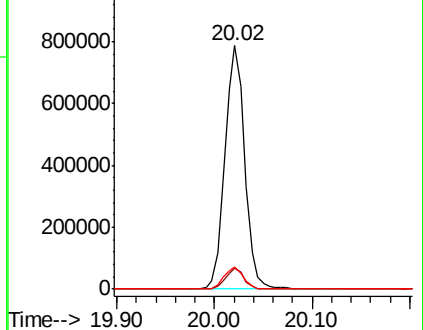
122 9.2 7.1 10.7

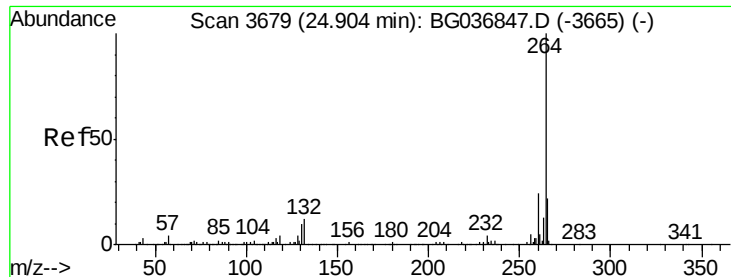


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG036931.D
Acq: 24 Sep 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	20.9	17.4	26.0

