

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG037011.D
 Acq On : 27 Sep 2018 10:44
 Operator : JU/SJ
 Sample : J5052-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 092018-SIDI-E-U-S

Quant Time: Sep 27 13:12:38 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

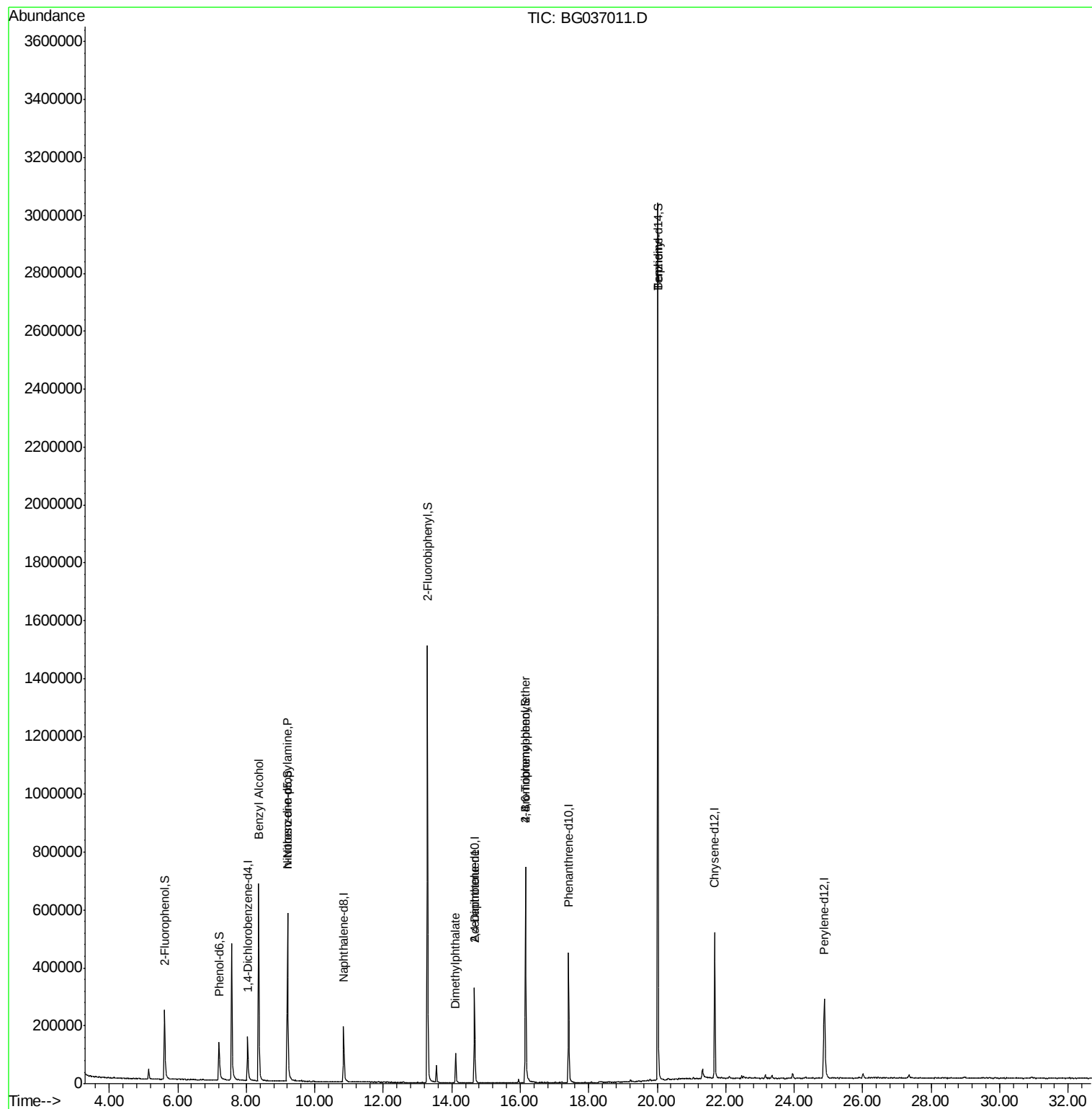
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	48658	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	200156	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	125746	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	309051	20.00	ng	0.00
75) Chrysene-d12	21.68	240	321350	20.00	ng	-0.01
86) Perylene-d12	24.88	264	317132	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	117160	46.18	ng	0.00
7) Phenol-d6	7.20	99	102553	26.12	ng	-0.01
23) Nitrobenzene-d5	9.20	82	415414	111.14	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	151801	100.90	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	835753	98.99	ng	-0.01
78) Terphenyl-d14	20.02	244	1430372	117.04	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.36	79	6678	2.097	ng	# 57
19) n-Nitroso-di-n-propylamine	9.20	70	57769	17.690	ng	# 71
49) Dimethylphthalate	14.11	163	77324	7.639	ng	100
56) 2,4-Dinitrotoluene	14.67	165	16211	5.261	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	10866	3.091	ng	# 1
76) Benzidine	20.02	184	26988	2.778	ng	# 92

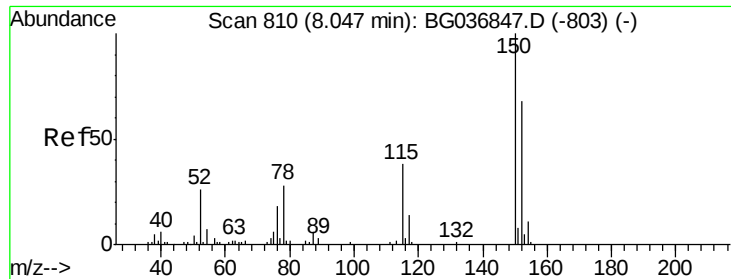
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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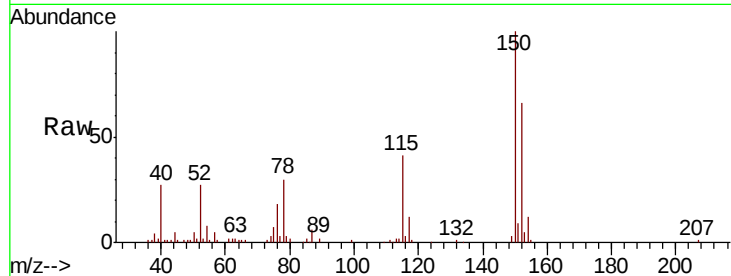


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG037011.D
Acq: 27 Sep 2018 10:44

Instrument :
BNA_G
ClientSampleId :
092018-SIDI-E-U-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	119.5	179.3
115	61.8	44.5	66.7

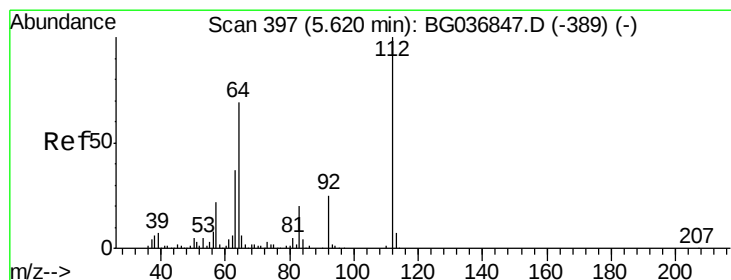
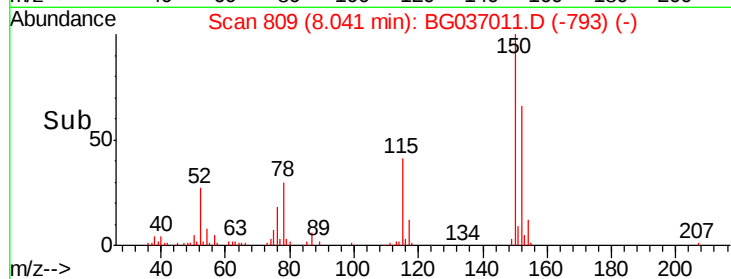
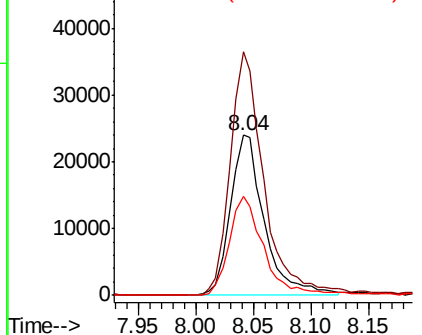


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

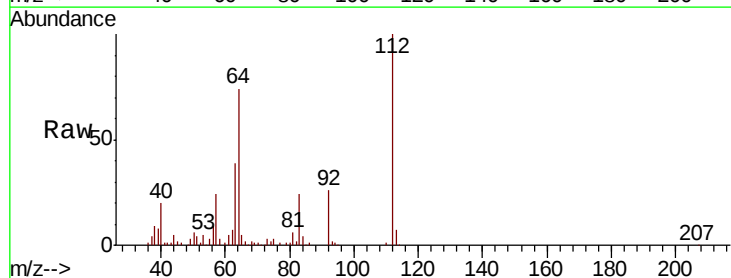
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.177 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG037011.D
Acq: 27 Sep 2018 10:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	57.2	85.8
63	39.3	30.8	46.2

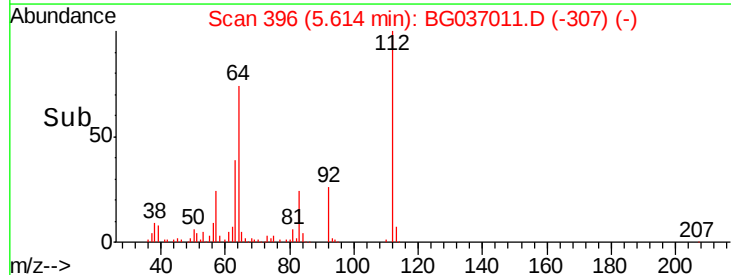
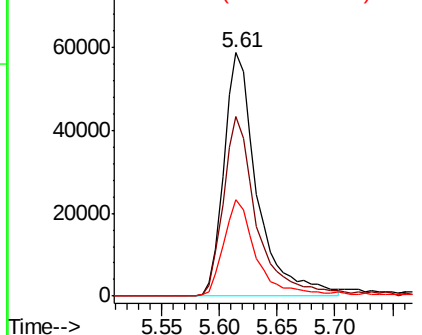


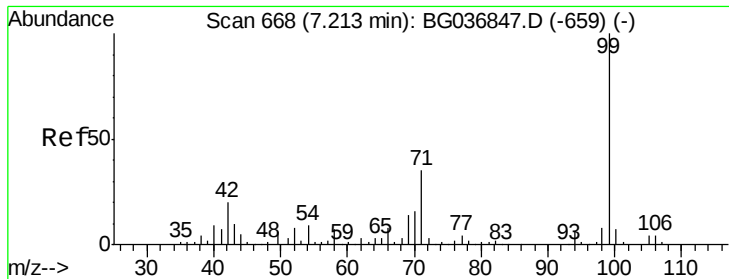
Abundance

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: 26.125 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

Instrument :

BNA_G

ClientSampleId :

092018-SIDI-E-U-S

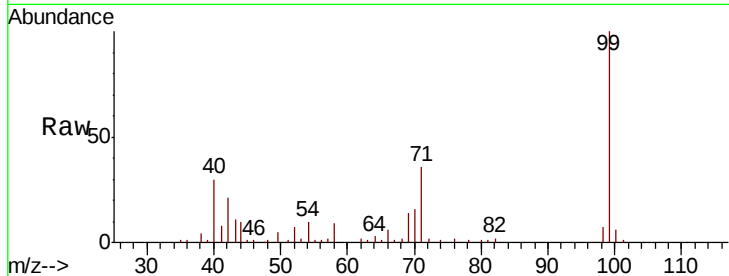
Tot Ion: 99 Resp: 102553

Ion Ratio Lower Upper

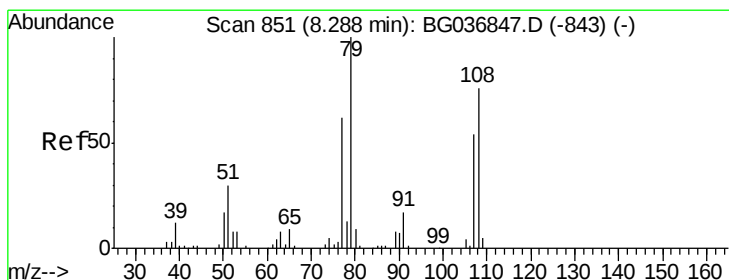
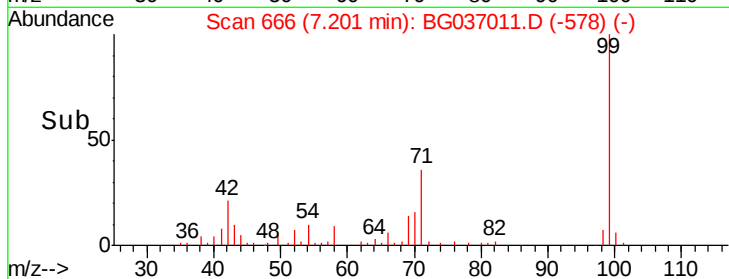
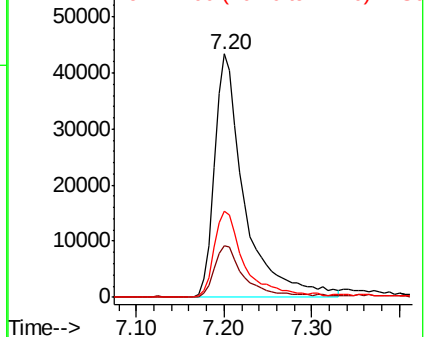
99 100

42 21.2 16.5 24.7

71 35.6 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



#15

Benzyl Alcohol

Concen: 2.097 ng

RT: 8.36 min Scan# 863

Delta R.T. 0.07 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

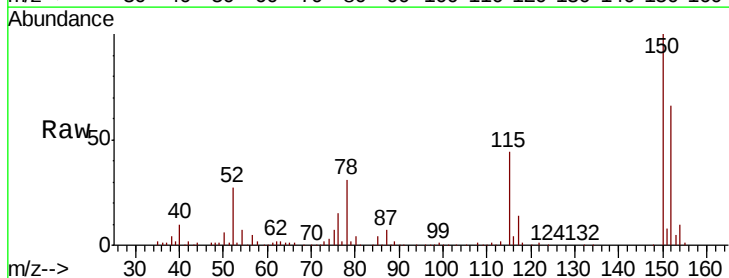
Tgt Ion: 79 Resp: 6678

Ion Ratio Lower Upper

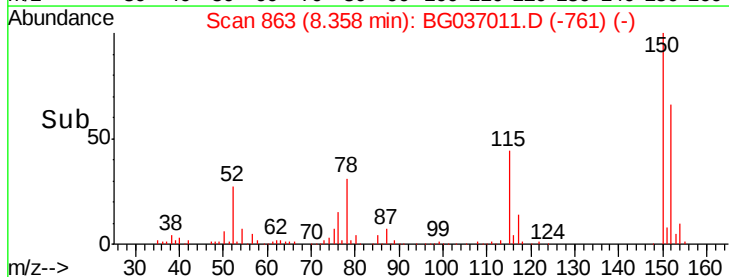
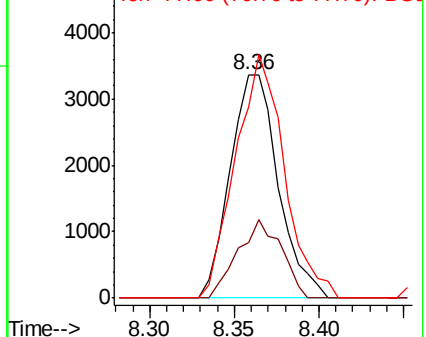
79 100

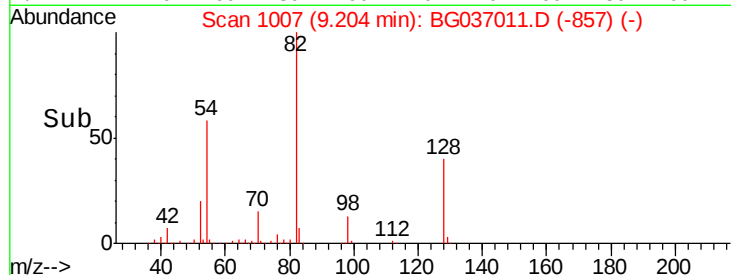
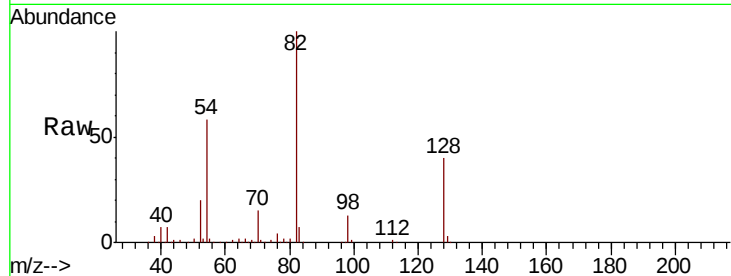
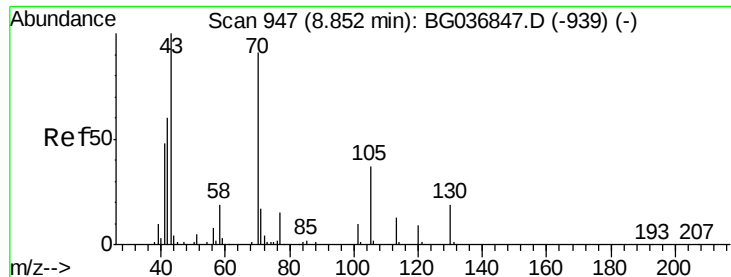
108 25.1 55.9 83.9#

77 85.4 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

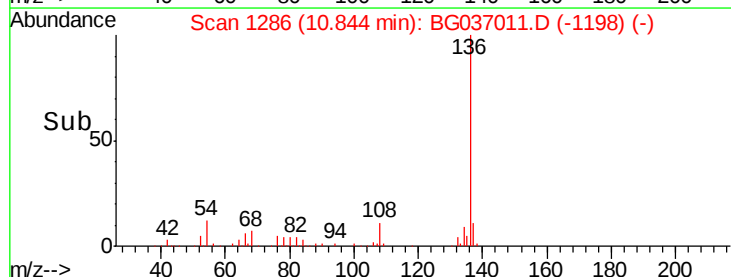
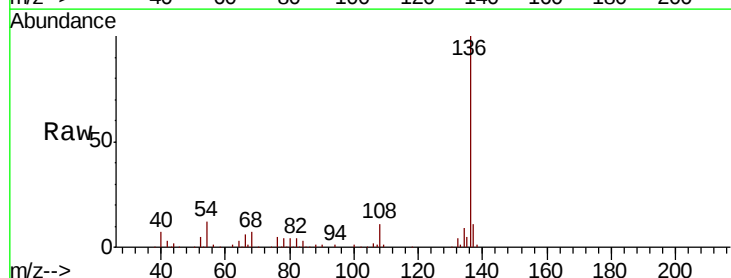
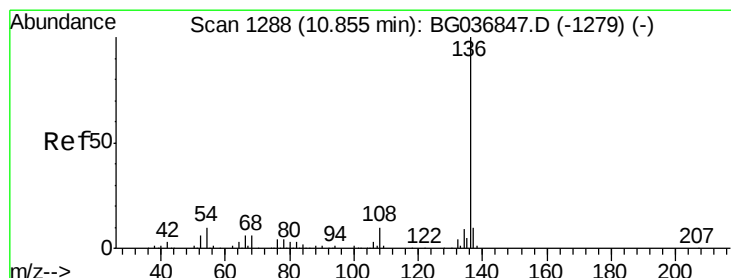
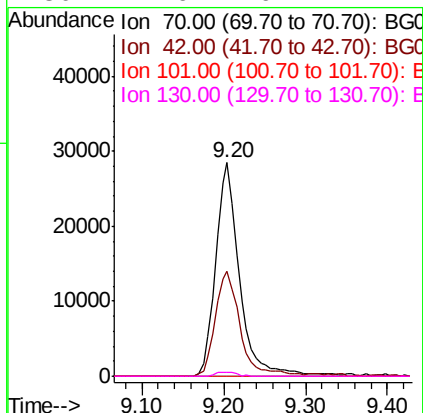




#19
n-Nitroso-di-n-propylamine
Concen: 17.690 ng
RT: 9.20 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG037011.D
Acq: 27 Sep 2018 10:44

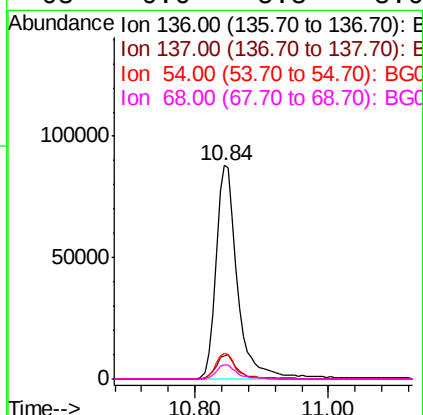
Instrument :
BNA_G
ClientSampleId :
092018-SIDI-E-U-S

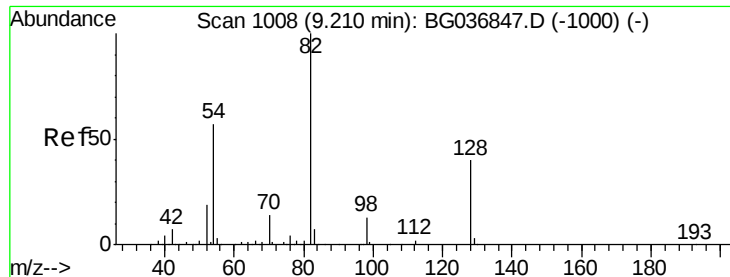
Tot Ion: 70 Resp: 57769
Ion Ratio Lower Upper
70 100
42 48.9 56.2 84.4#
101 0.0 7.8 11.6#
130 1.6 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037011.D
Acq: 27 Sep 2018 10:44

Tgt Ion:136 Resp: 200156
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 11.8 9.2 13.8
68 6.6 5.8 8.6

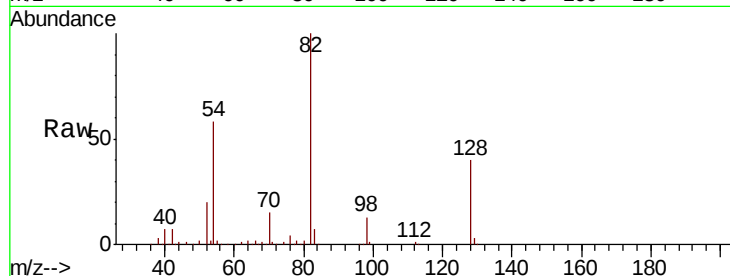




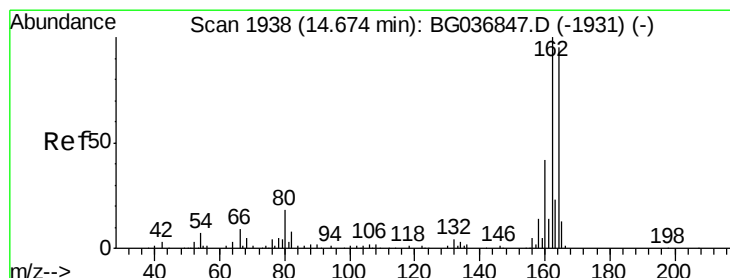
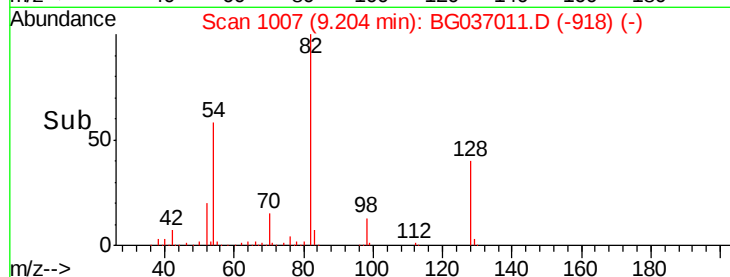
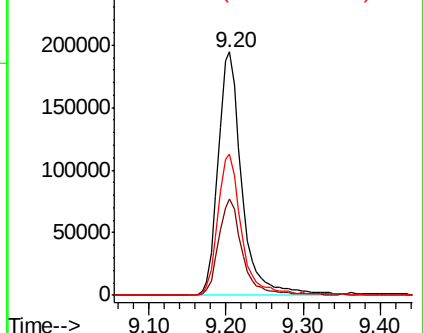
#23
 Nitrobenzene-d5
 Concen: 111.143 ng
 RT: 9.20 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BG037011.D
 Acq: 27 Sep 2018 10:44

Instrument :
 BNA_G
 ClientSampleId :
 092018-SIDI-E-U-S

Tot Ion	82	Resp	415414
Ion Ratio	Lower	Upper	
82	100		
128	39.9	33.3	49.9
54	57.8	45.1	67.7

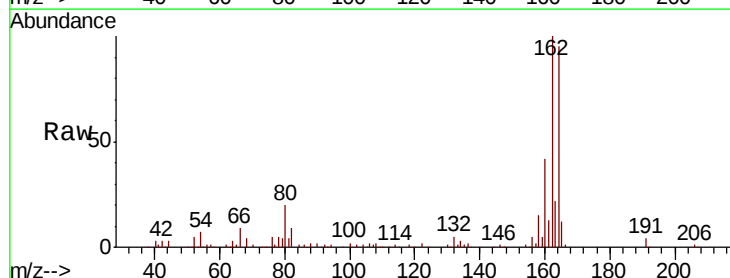


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

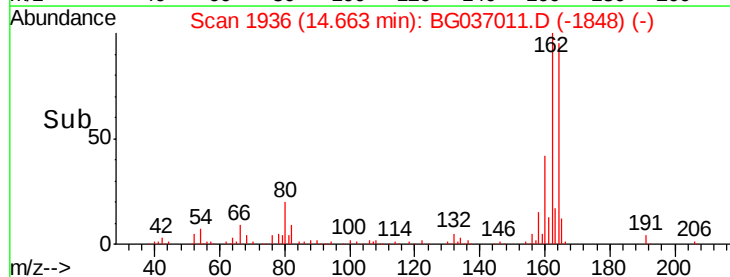
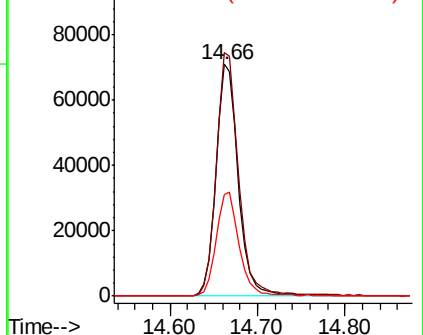


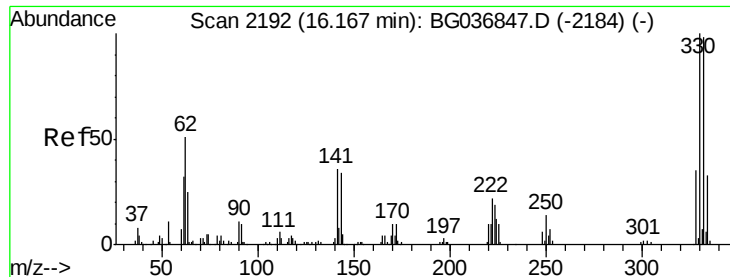
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BG037011.D
 Acq: 27 Sep 2018 10:44

Tgt Ion	164	Resp	125746
Ion Ratio	Lower	Upper	
164	100		
162	105.0	80.7	121.1
160	43.9	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: 100.900 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

Instrument :

BNA_G

ClientSampleId :

092018-SIDI-E-U-S

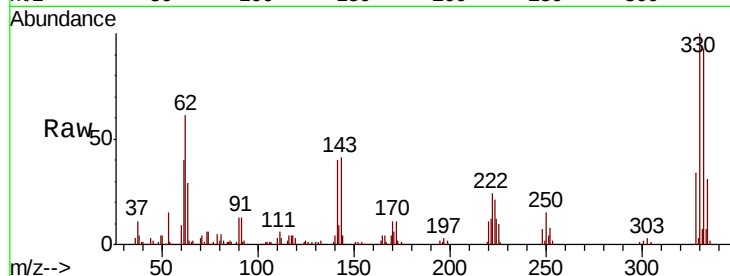
Tot Ion:330 Resp: 151801

Ion Ratio Lower Upper

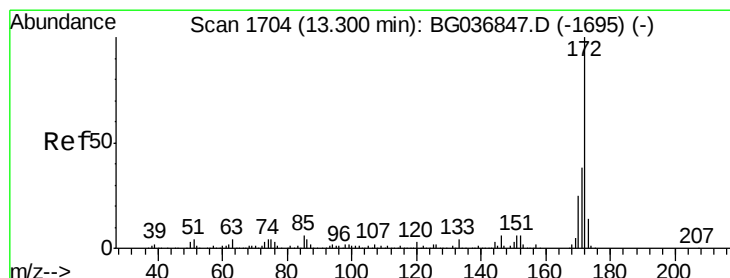
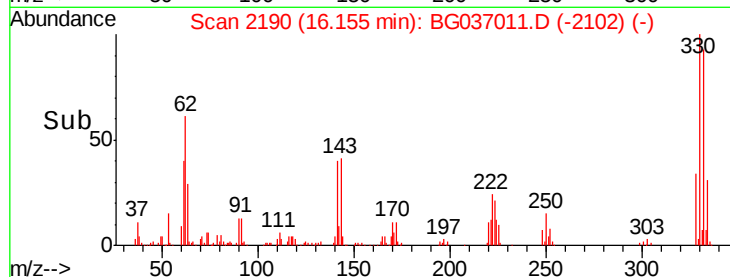
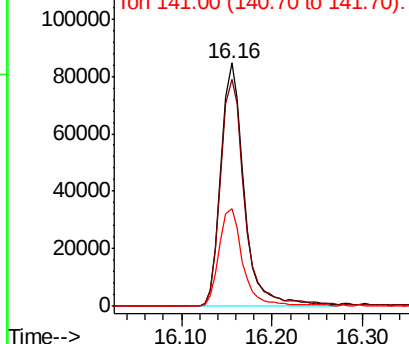
330 100

332 96.2 75.4 113.2

141 41.0 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: 98.990 ng

RT: 13.29 min Scan# 1702

Delta R.T. -0.01 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

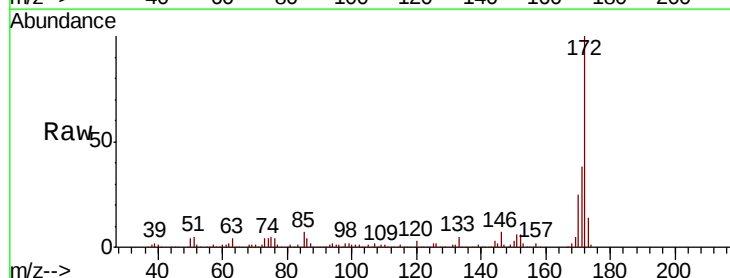
Tgt Ion:172 Resp: 835753

Ion Ratio Lower Upper

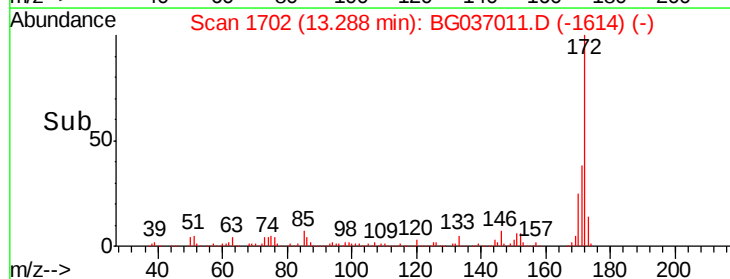
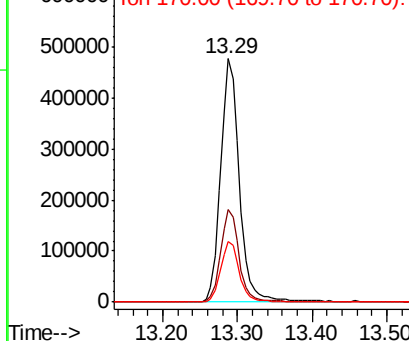
172 100

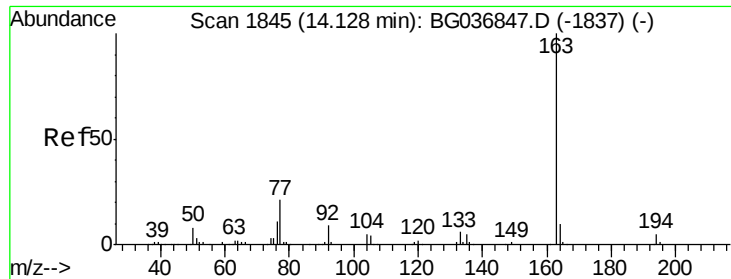
171 38.2 31.3 46.9

170 25.1 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





#49

Dimethylphthalate

Concen: 7.639 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

Instrument :

BNA_G

ClientSampleId :

092018-SIDI-E-U-S

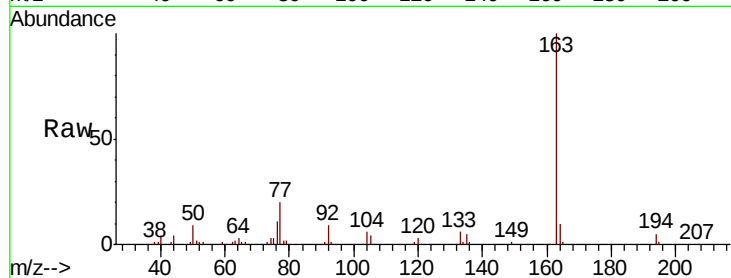
Tot Ion:163 Resp: 77324

Ion Ratio Lower Upper

163 100

194 5.1 4.0 6.0

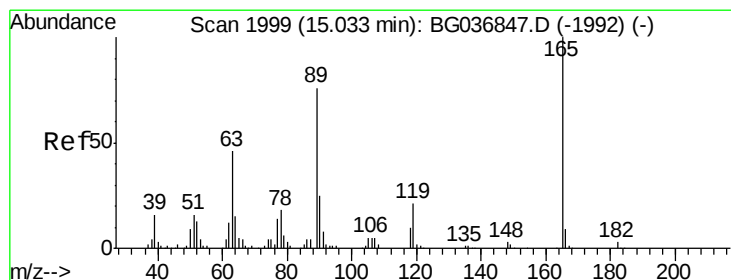
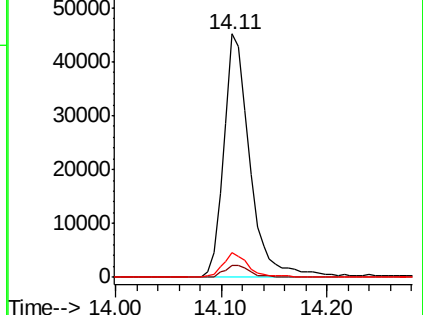
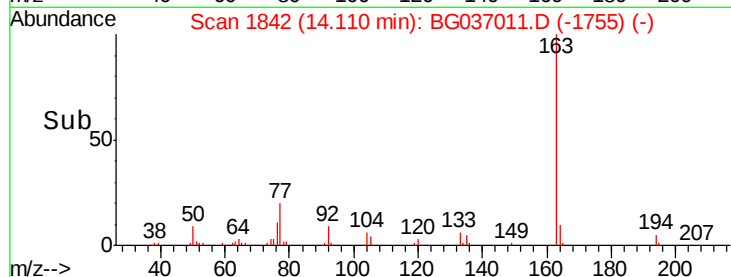
164 10.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.261 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.36 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

Tgt Ion:165 Resp: 16211

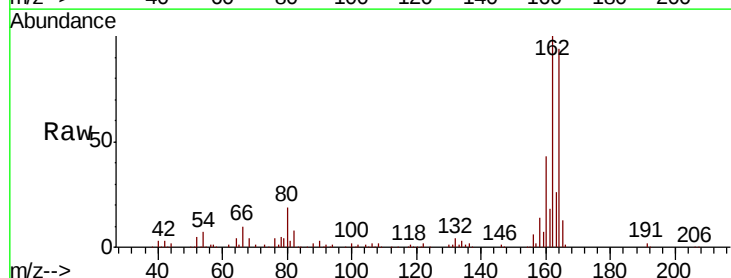
Ion Ratio Lower Upper

165 100

63 0.0 40.1 60.1#

89 0.0 63.7 95.5#

182 0.0 2.5 3.7#

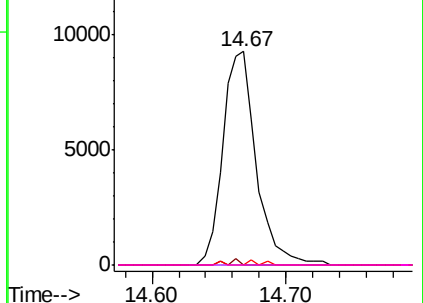
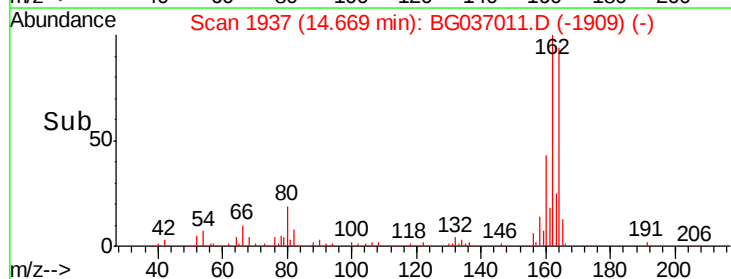


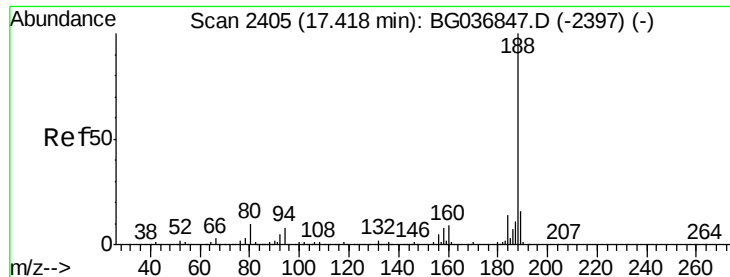
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG037011.D

Acq: 27 Sep 2018 10:44

Instrument :

BNA_G

ClientSampleId :

092018-SIDI-E-U-S

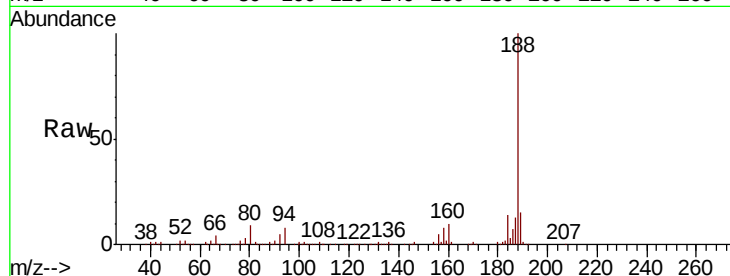
Tot Ion:188 Resp: 309051

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

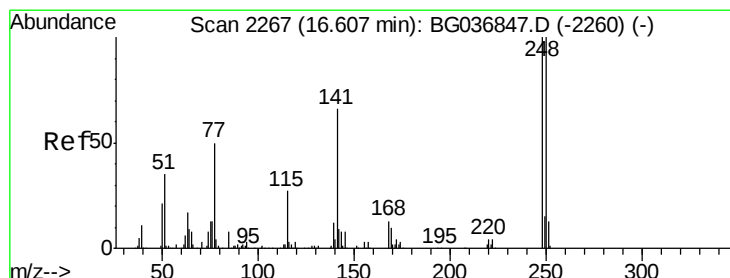
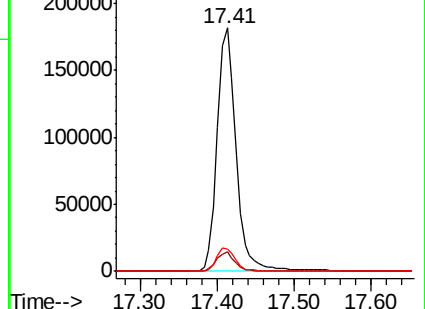
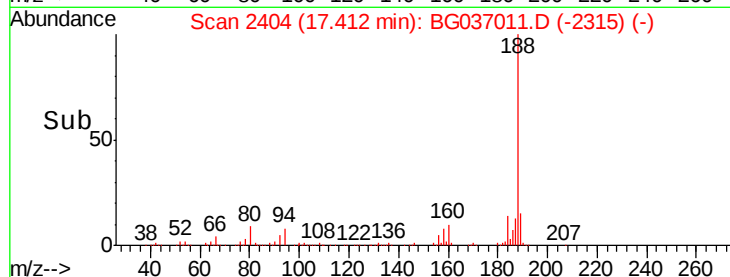
80 9.3 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 3.091 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.45 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

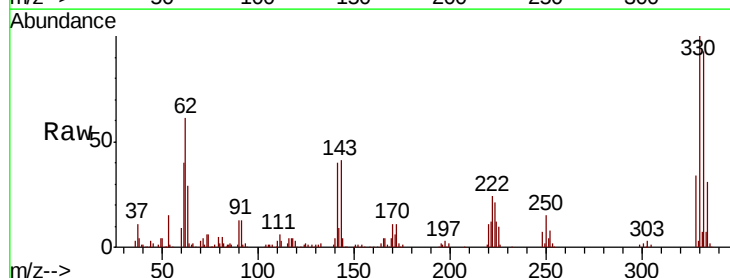
Tgt Ion:248 Resp: 10866

Ion Ratio Lower Upper

248 100

250 215.4 78.1 117.1#

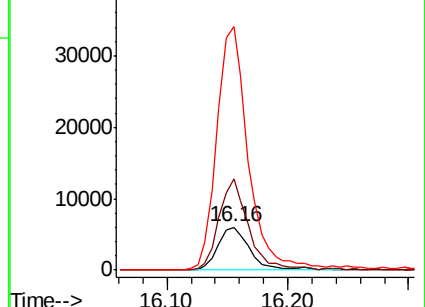
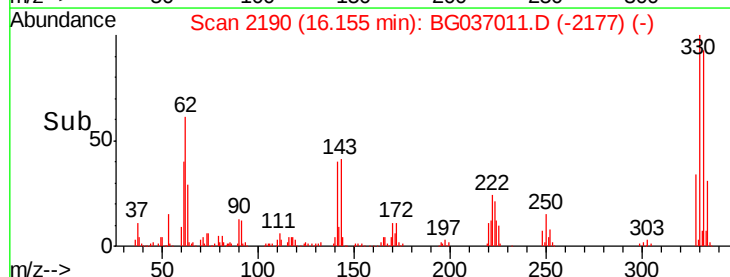
141 570.7 53.7 80.5#

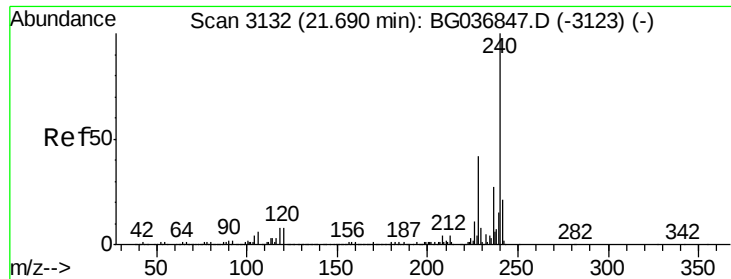


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG037011.D

Acq: 27 Sep 2018 10:44

Instrument :

BNA_G

ClientSampleId :

092018-SIDI-E-U-S

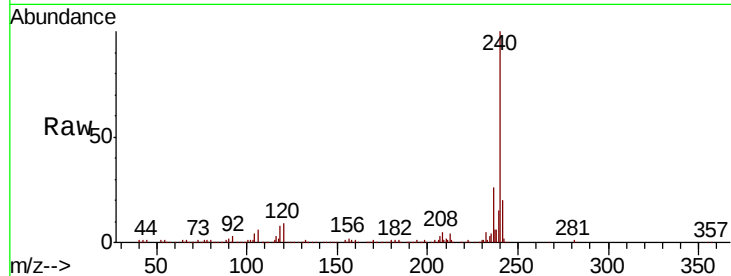
Tot Ion:240 Resp: 321350

Ion Ratio Lower Upper

240 100

120 8.6 6.9 10.3

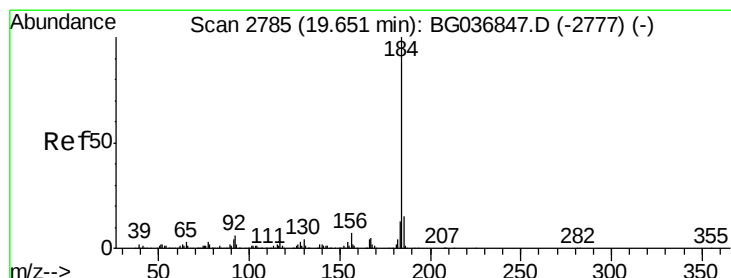
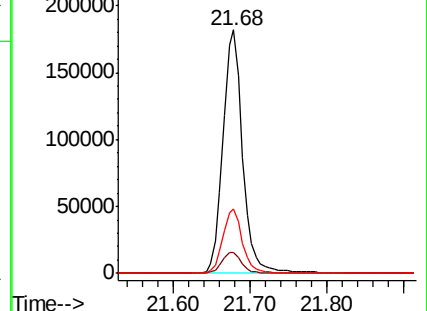
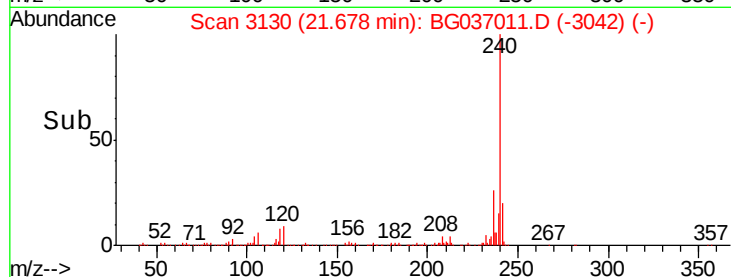
236 26.4 21.2 31.8



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: 2.778 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

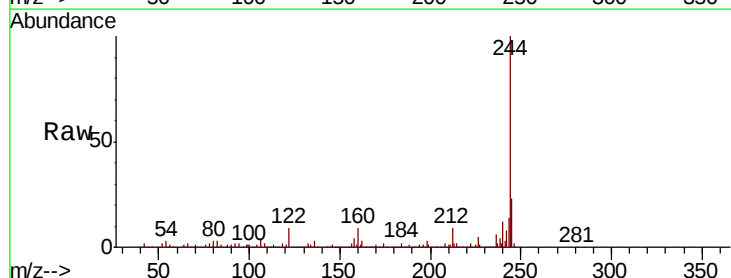
Tgt Ion:184 Resp: 26988

Ion Ratio Lower Upper

184 100

185 18.0 12.6 18.8

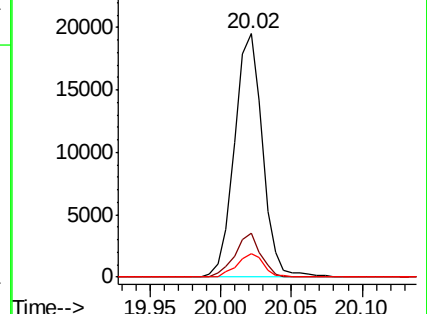
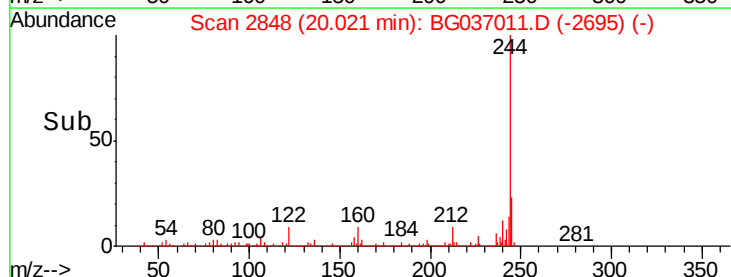
183 9.5 10.9 16.3#

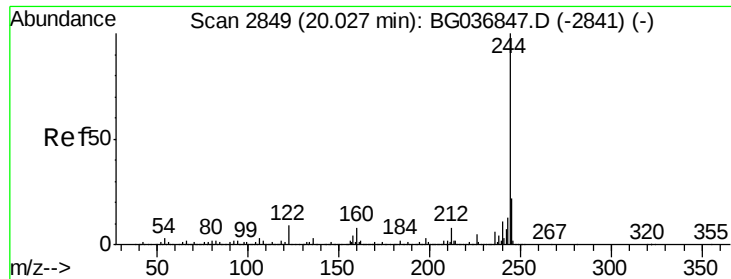


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 117.042 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

Instrument :

BNA_G

ClientSampleId :

092018-SIDI-E-U-S

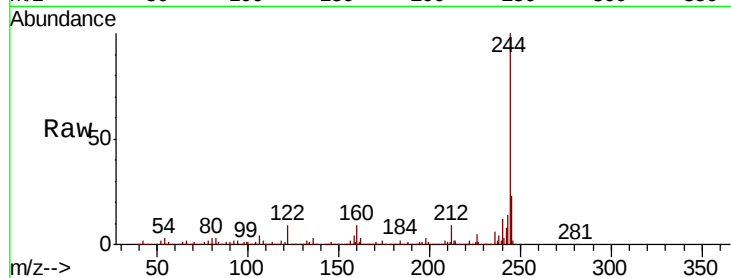
Tot Ion:244 Resp: 1430372

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

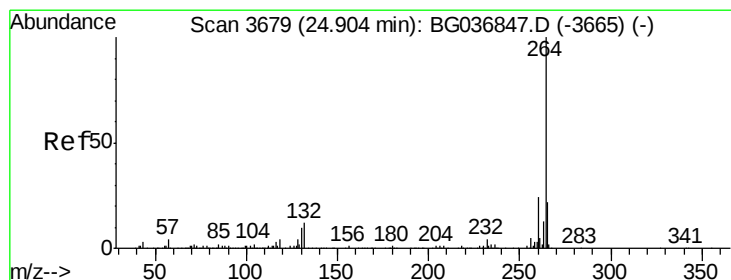
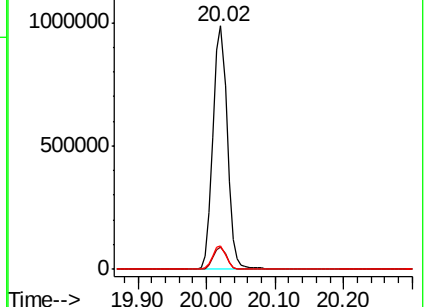
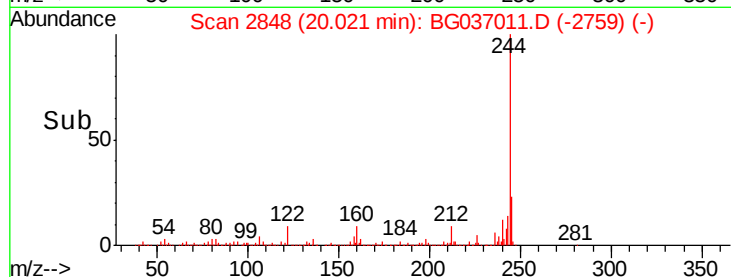
122 9.4 7.1 10.7



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: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG037011.D

Acq: 27 Sep 2018 10:44

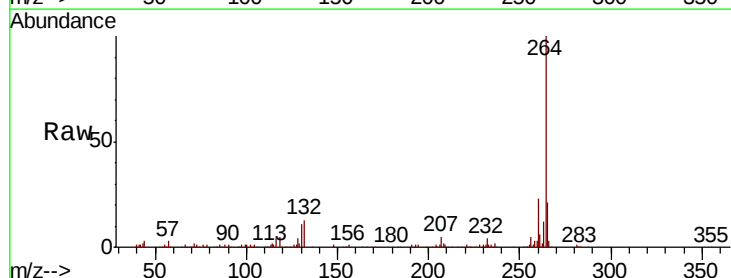
Tgt Ion:264 Resp: 317132

Ion Ratio Lower Upper

264 100

260 22.8 19.6 29.4

265 20.7 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

