

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120118\
 Data File : BG038296.D
 Acq On : 1 Dec 2018 20:45
 Operator : JU/SJ
 Sample : J6128-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 112718-CHDE-F-D-M

Quant Time: Dec 03 01:09:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

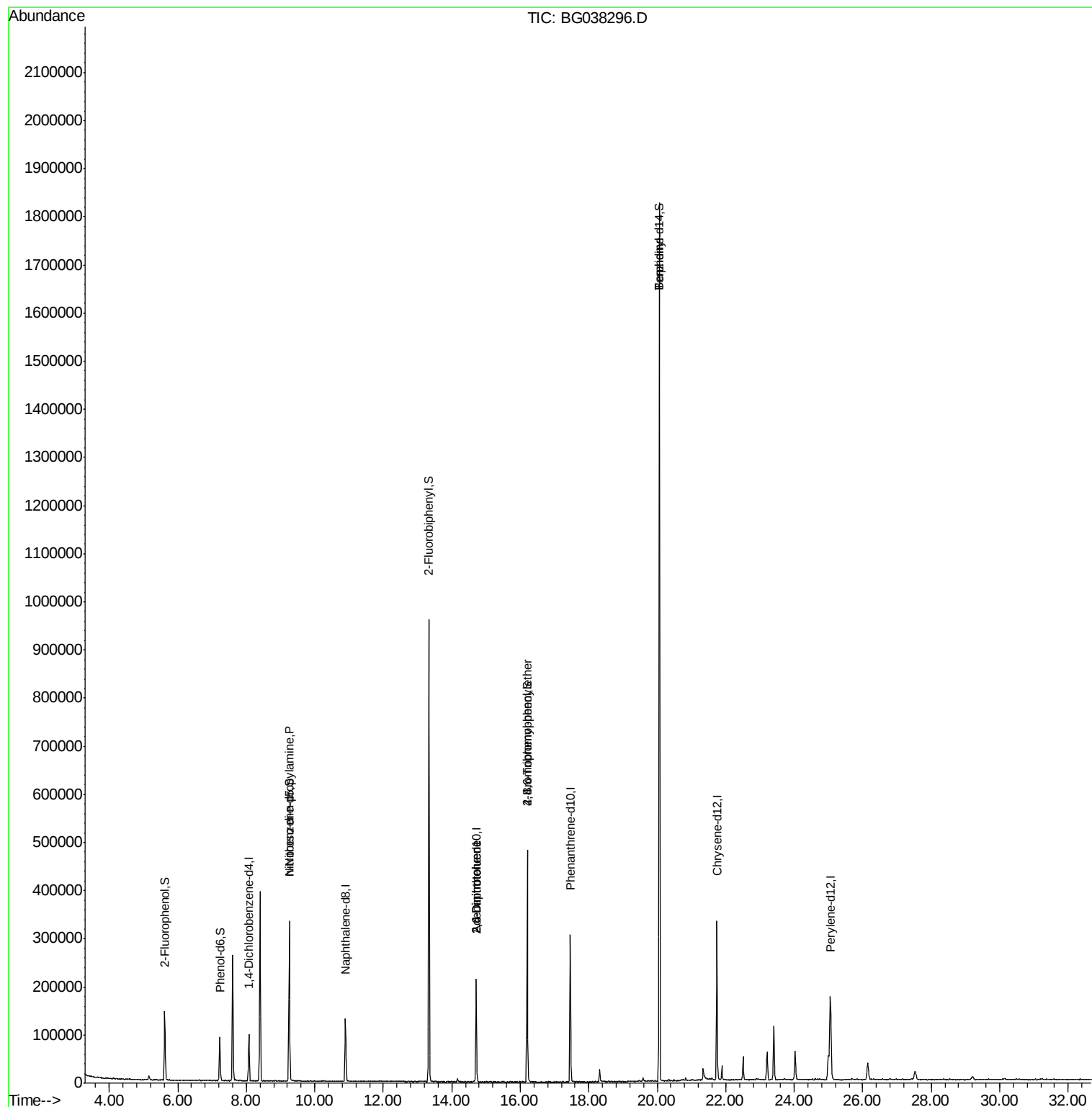
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	27272	20.00	ng	-0.01
21) Naphthalene-d8	10.90	136	118923	20.00	ng	-0.01
39) Acenaphthene-d10	14.71	164	78087	20.00	ng	-0.01
64) Phenanthrene-d10	17.46	188	201958	20.00	ng	-0.01
76) Chrysene-d12	21.74	240	198067	20.00	ng	-0.01
87) Perylene-d12	25.06	264	201125	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	64916	41.10	ng	-0.01
7) Phenol-d6	7.22	99	54992	24.39	ng	0.00
23) Nitrobenzene-d5	9.26	82	210448	94.73	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	90601	101.73	ng	-0.01
45) 2-Fluorobiphenyl	13.33	172	506532	94.50	ng	-0.01
79) Terphenyl-d14	20.06	244	840960	99.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	28721	17.604	ng	# 71
51) 2,6-Dinitrotoluene	14.71	165	10171	7.259	ng	# 26
57) 2,4-Dinitrotoluene	14.71	165	10171	5.335	ng	# 25
67) 4-Bromophenyl-phenylether	16.20	248	6130	2.765	ng	# 1
77) Benzidine	20.06	184	15065	2.168	ng	# 94

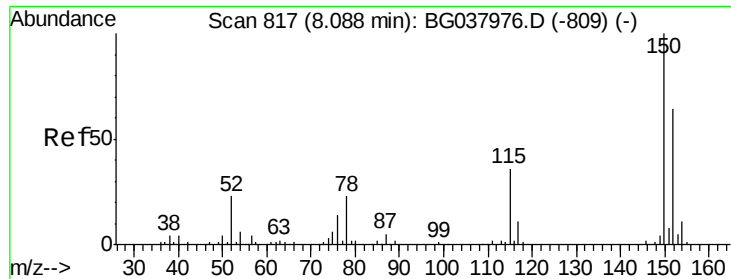
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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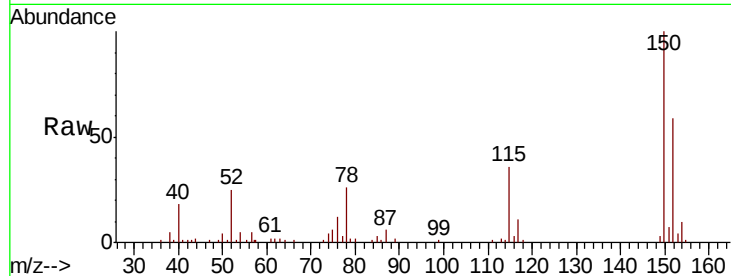


#1

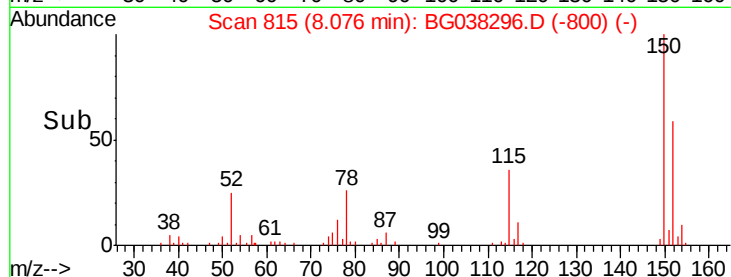
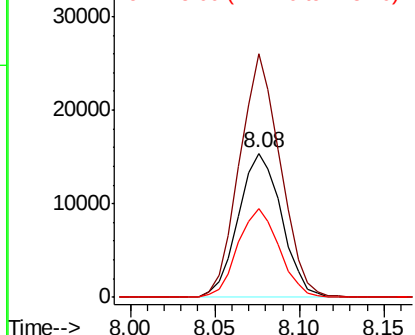
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG038296.D
Acq: 1 Dec 2018 20:45

Instrument :
BNA_G
ClientSampleId :
112718-CHDE-F-D-M

Tot Ion:152 Resp: 27272
Ion Ratio Lower Upper
152 100
150 168.7 126.0 189.0
115 61.1 45.5 68.3



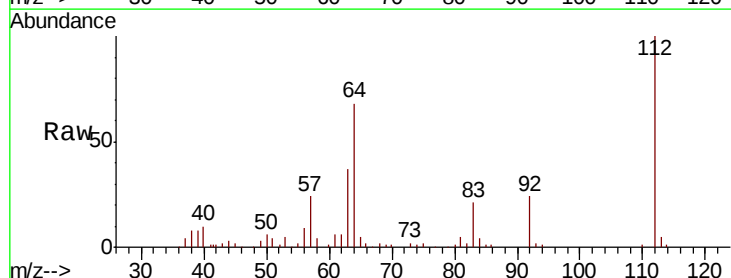
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



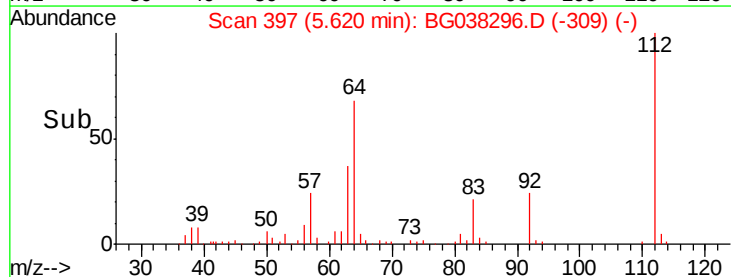
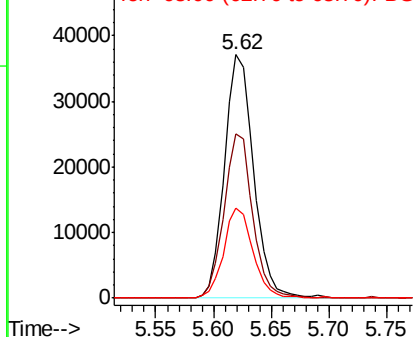
#5

2-Fluorophenol
Concen: 41.098 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG038296.D
Acq: 1 Dec 2018 20:45

Tgt Ion:112 Resp: 64916
Ion Ratio Lower Upper
112 100
64 67.7 53.1 79.7
63 36.9 27.3 40.9



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: 24.390 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG038296.D

Acq: 1 Dec 2018 20:45

Instrument :

BNA_G

ClientSampleId :

112718-CHDE-F-D-M

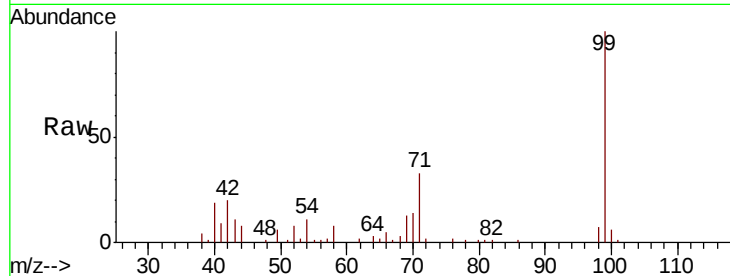
Tot Ion: 99 Resp: 54992

Ion Ratio Lower Upper

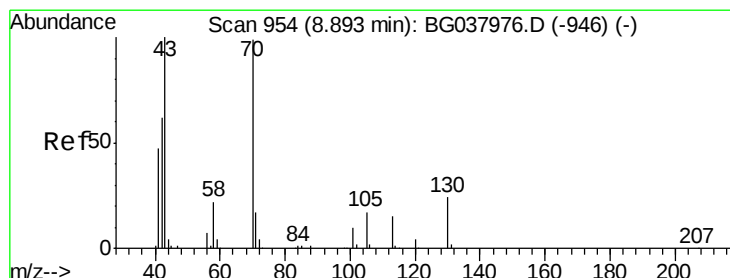
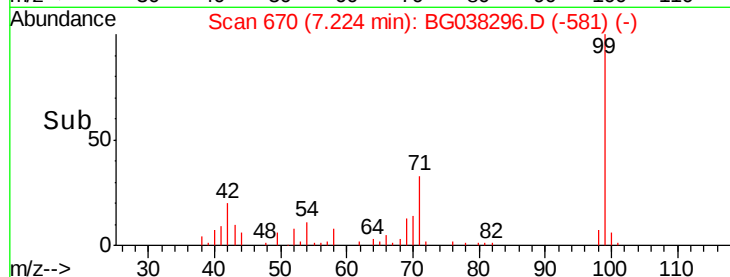
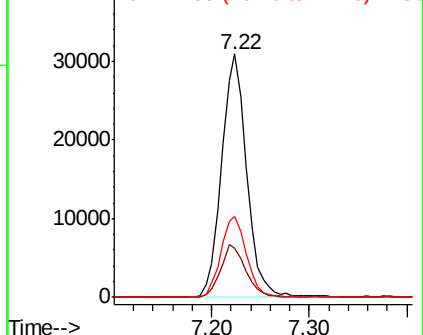
99 100

42 20.2 15.0 22.4

71 33.2 25.5 38.3



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: 17.604 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038296.D

Acq: 1 Dec 2018 20:45

Tgt Ion: 70 Resp: 28721

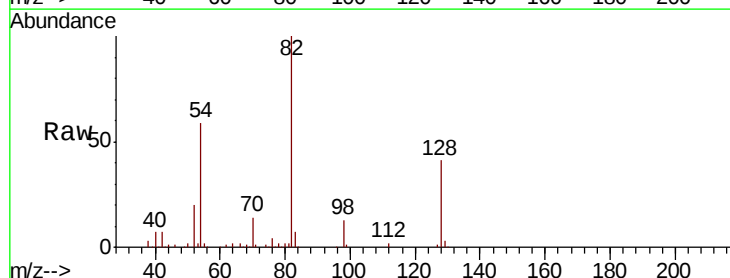
Ion Ratio Lower Upper

70 100

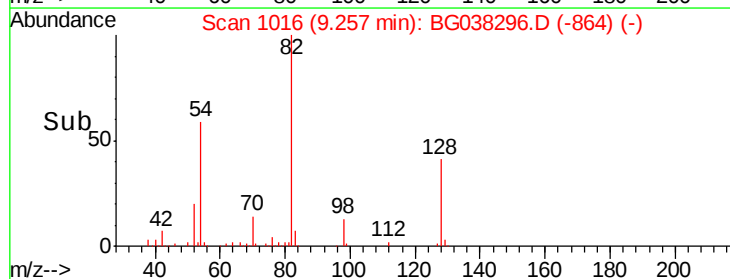
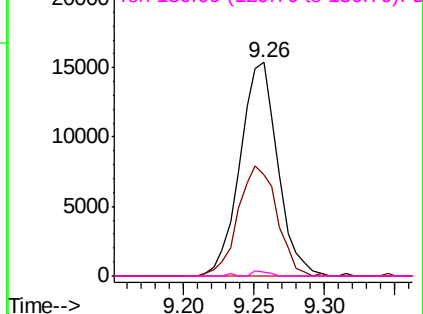
42 47.6 53.9 80.9#

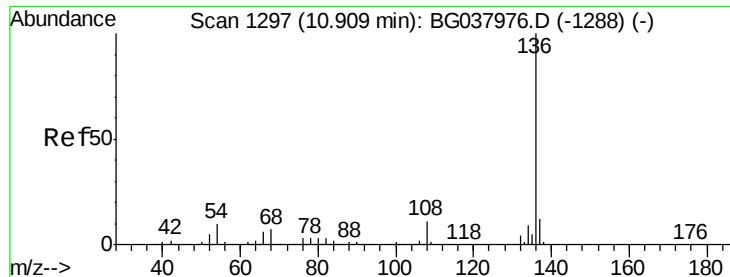
101 0.0 8.2 12.2#

130 1.6 18.2 27.4#



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

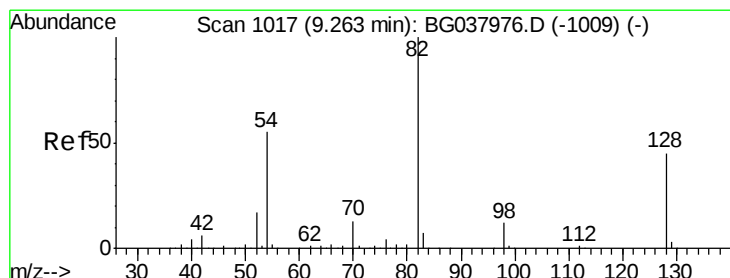
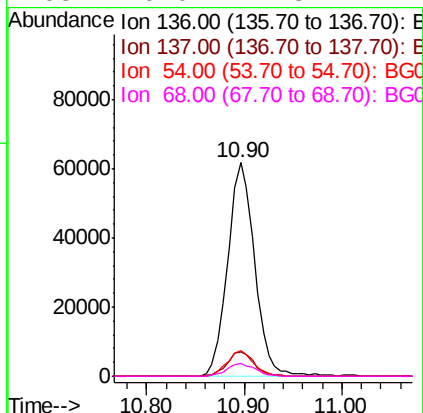
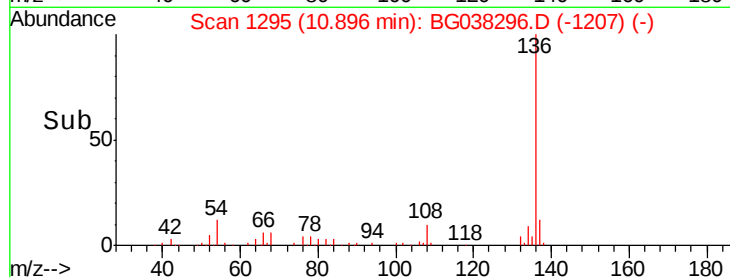
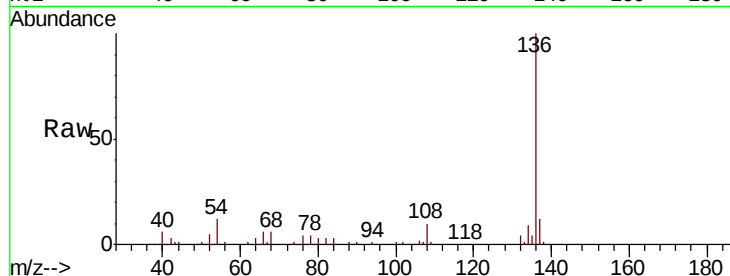




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038296.D
Acq: 1 Dec 2018 20:45

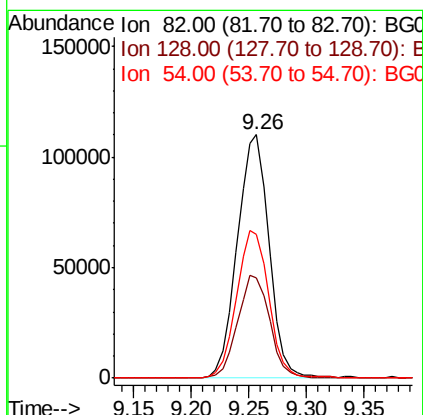
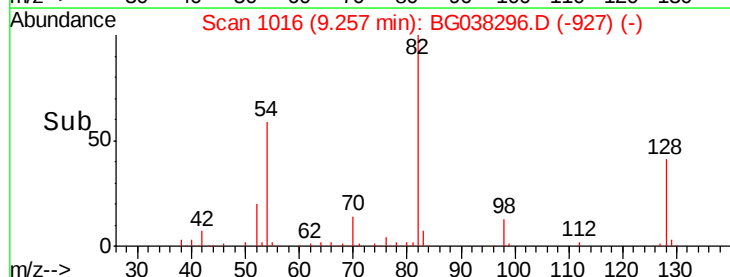
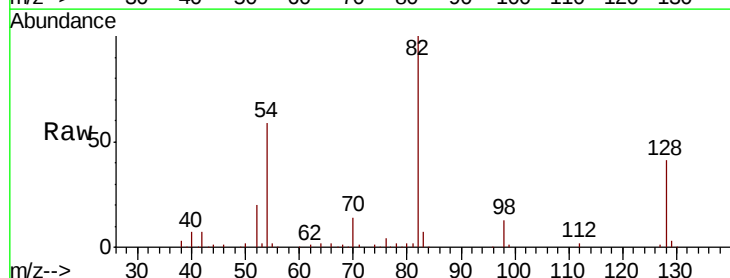
Instrument :
BNA_G
ClientSampleId :
112718-CHDE-F-D-M

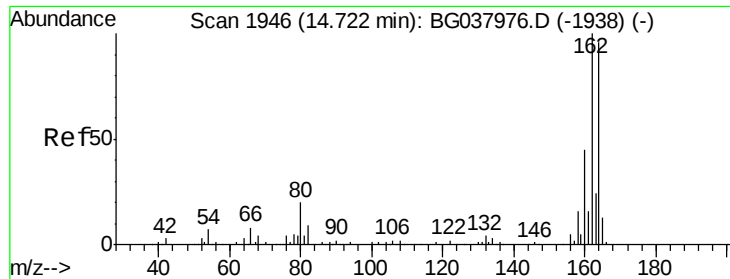
Tot Ion:136	Resp:	118923
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.6 14.4
54	11.9	7.9 11.9#
68	6.0	4.8 7.2



#23
Nitrobenzene-d5
Concen: 94.728 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG038296.D
Acq: 1 Dec 2018 20:45

Tgt Ion: 82	Resp:	210448
Ion	Ratio	Lower Upper
82	100	
128	41.0	34.6 51.8
54	58.9	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG038296.D

Acq: 1 Dec 2018 20:45

Instrument :

BNA_G

ClientSampleId :

112718-CHDE-F-D-M

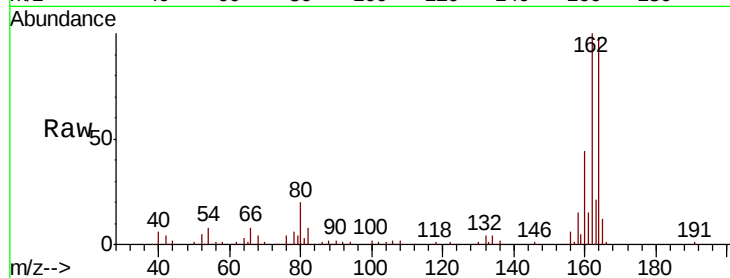
Tot Ion:164 Resp: 78087

Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

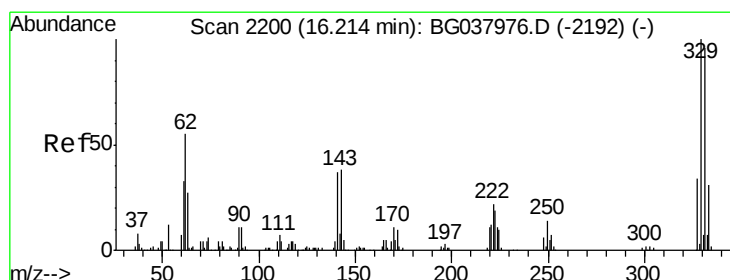
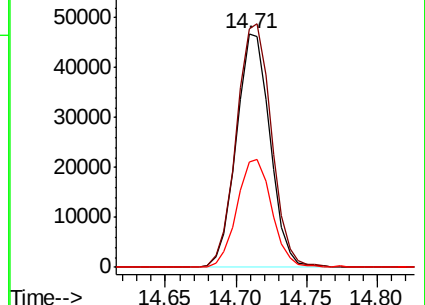
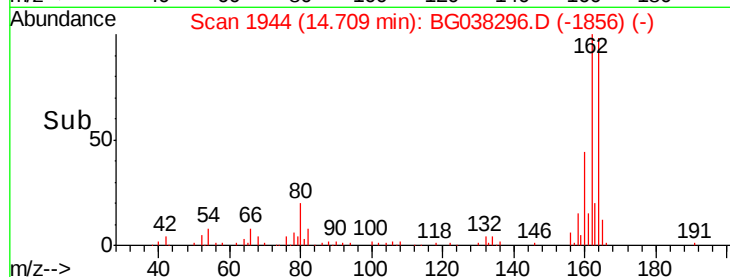
160 45.0 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 101.734 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038296.D

Acq: 1 Dec 2018 20:45

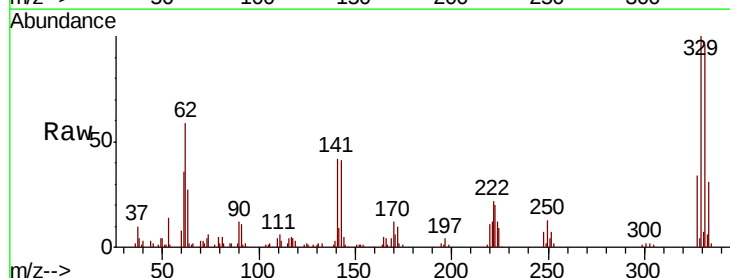
Tgt Ion:330 Resp: 90601

Ion Ratio Lower Upper

330 100

332 96.0 78.4 117.6

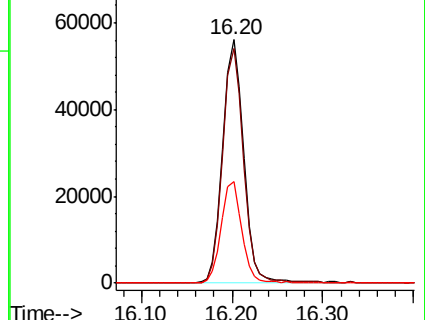
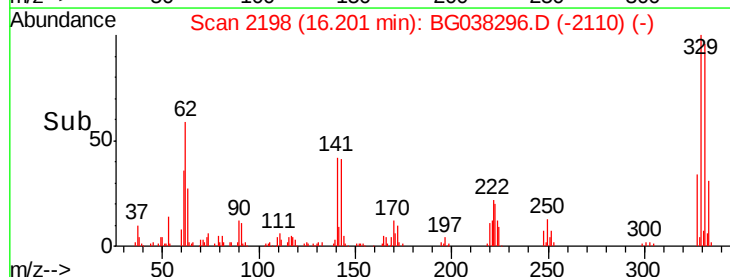
141 40.6 32.2 48.2



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





#45

2-Fluorobiphenyl

Concen: 94.503 ng

RT: 13.33 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BG038296.D

Acq: 1 Dec 2018 20:45

Instrument :

BNA_G

ClientSampleId :

112718-CHDE-F-D-M

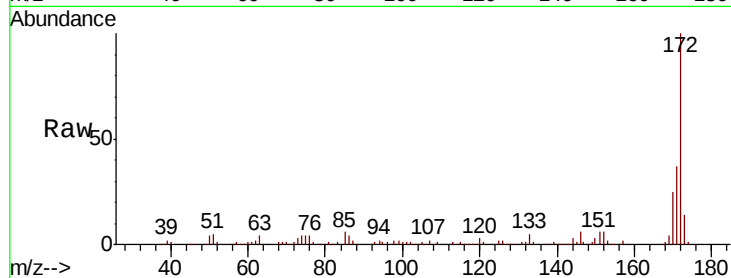
Tot Ion:172 Resp: 506532

Ion Ratio Lower Upper

172 100

171 36.7 31.0 46.4

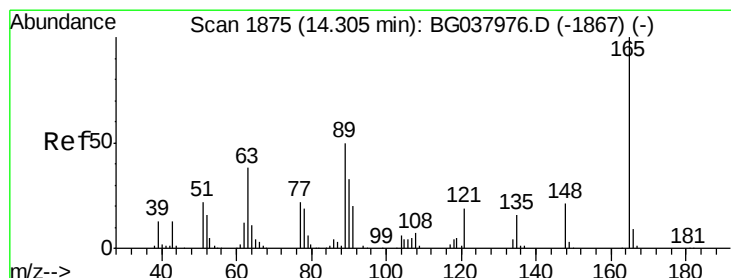
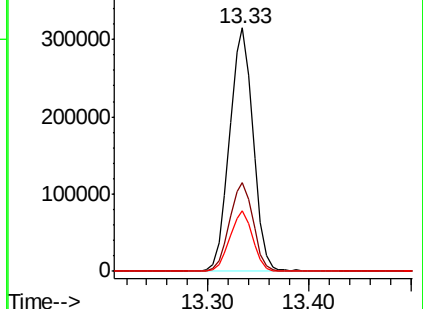
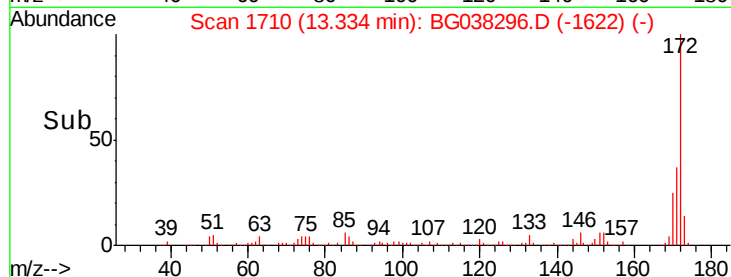
170 24.7 20.2 30.2



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



#51

2,6-Dinitrotoluene

Concen: 7.259 ng

RT: 14.71 min Scan# 1945

Delta R.T. 0.41 min

Lab File: BG038296.D

Acq: 1 Dec 2018 20:45

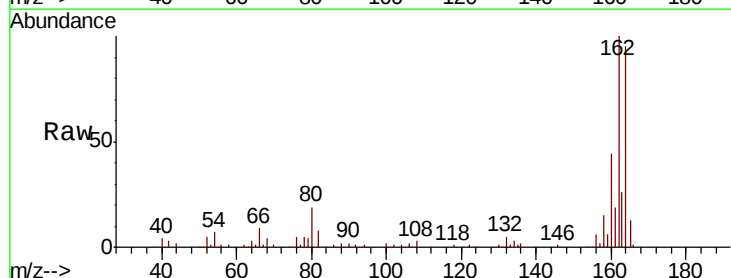
Tgt Ion:165 Resp: 10171

Ion Ratio Lower Upper

165 100

63 3.2 43.4 65.2#

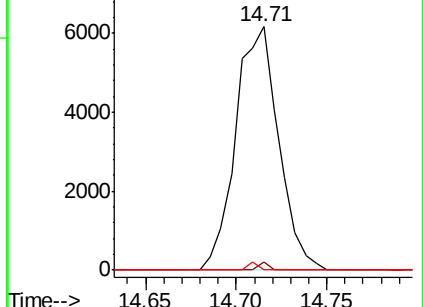
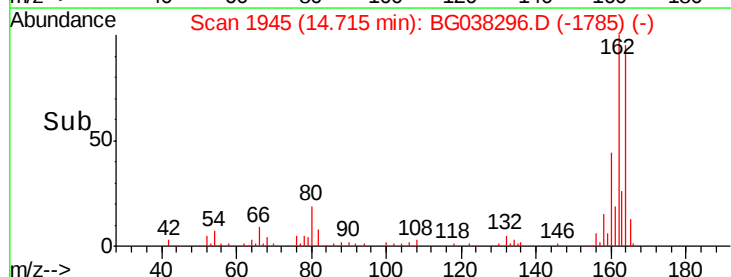
89 0.0 45.8 68.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

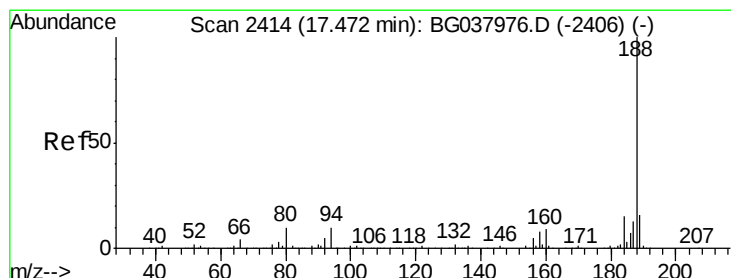
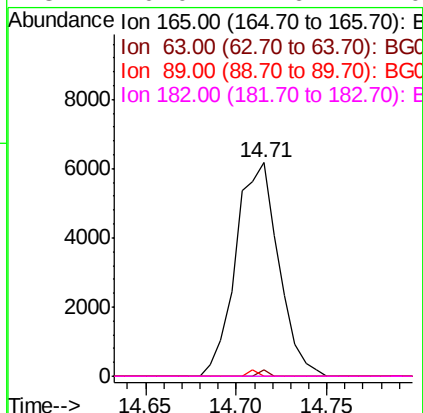
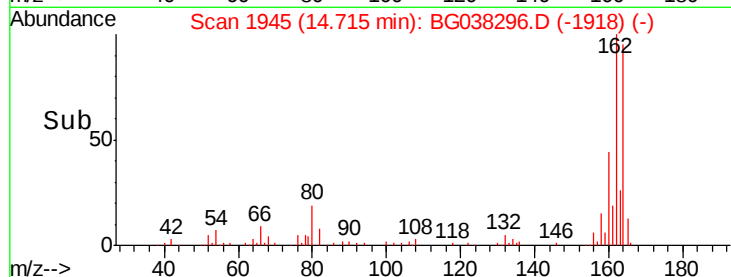
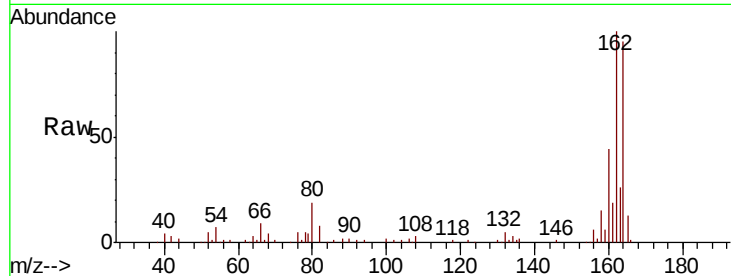




#57
 2,4-Dinitrotoluene
 Concen: 5.335 ng
 RT: 14.71 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038296.D
 Acq: 1 Dec 2018 20:45

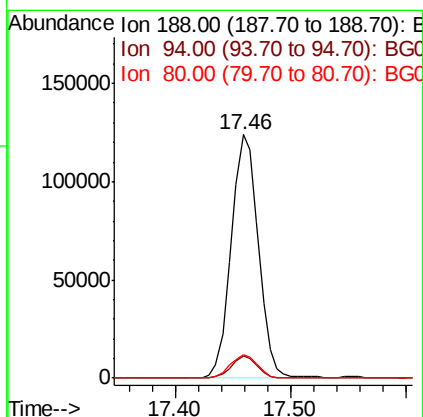
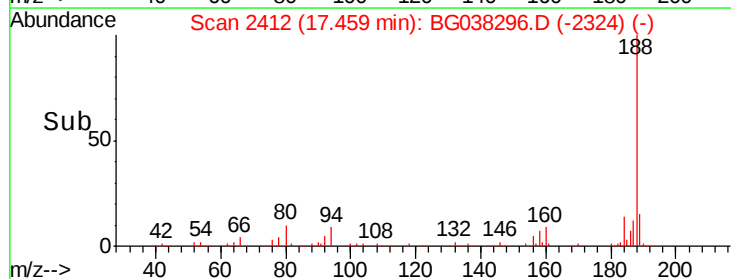
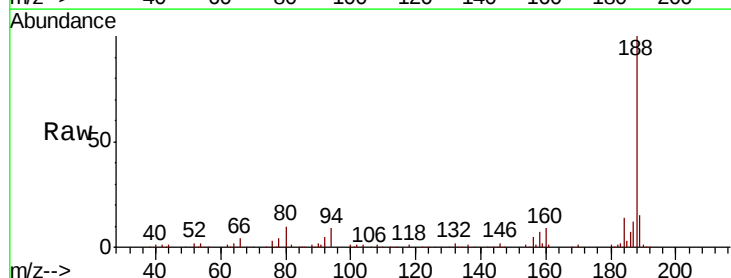
Instrument :
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Tot Ion:165 Resp: 10171
 Ion Ratio Lower Upper
 165 100
 63 3.2 33.4 50.0#
 89 0.0 57.2 85.8#
 182 0.0 2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG038296.D
 Acq: 1 Dec 2018 20:45

Tgt Ion:188 Resp: 201958
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.2 10.8
 80 9.6 7.7 11.5

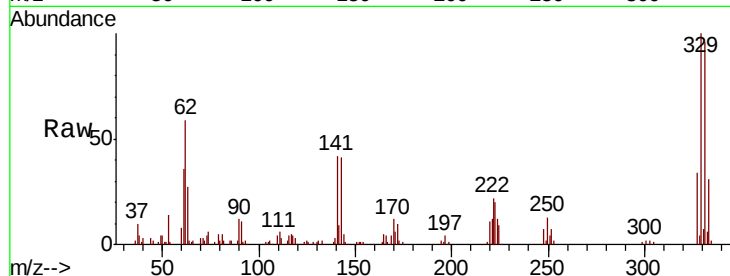




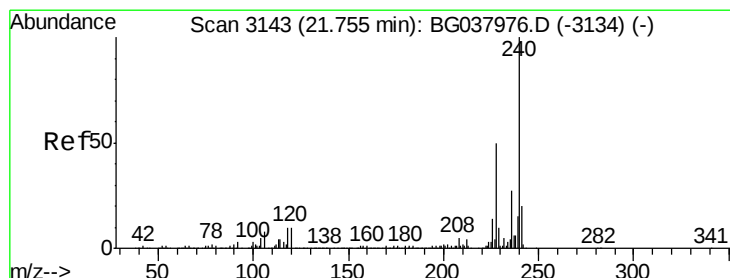
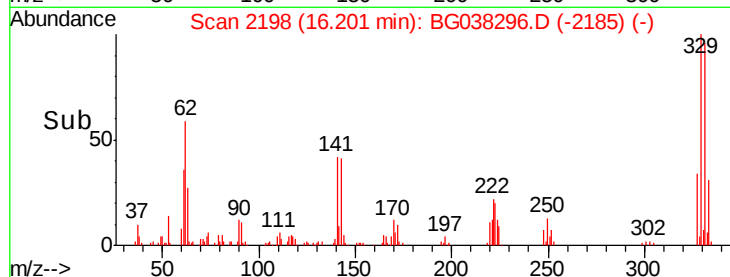
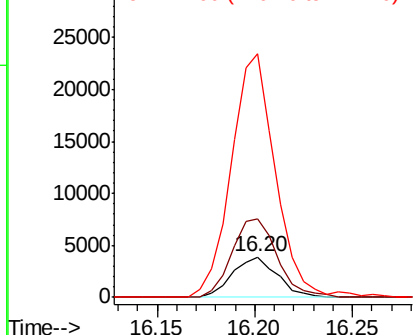
#67
4-Bromophenyl-phenylether
Concen: 2.765 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG038296.D
Acq: 1 Dec 2018 20:45

Instrument :
BNA_G
ClientSampleId :
112718-CHDE-F-D-M

Tot Ion:248 Resp: 6130
Ion Ratio Lower Upper
248 100
250 193.3 77.0 115.6#
141 465.0 55.5 83.3#

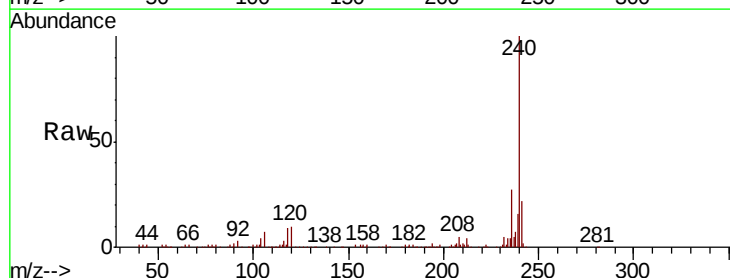


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

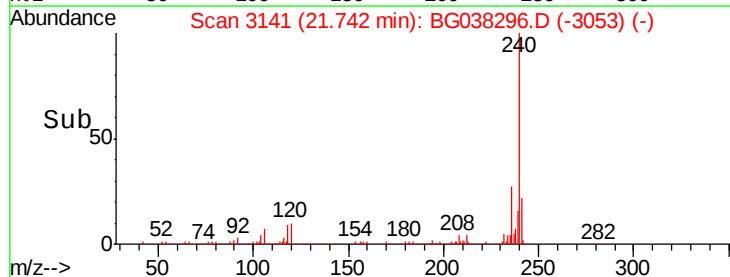
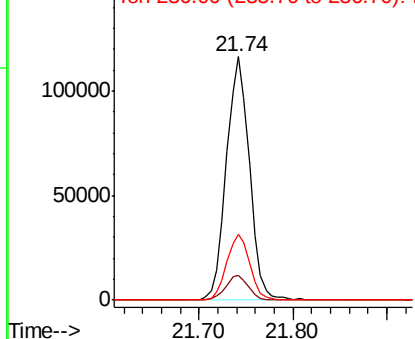


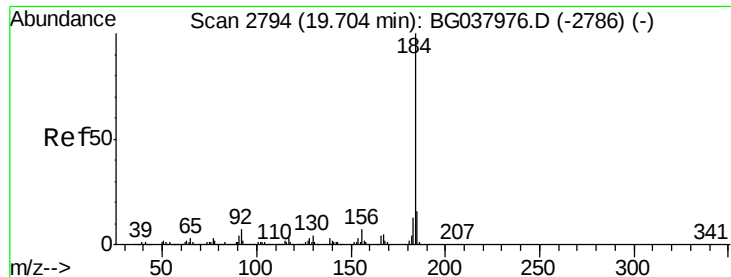
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038296.D
Acq: 1 Dec 2018 20:45

Tgt Ion:240 Resp: 198067
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.1 21.4 32.0



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





#77

Benzidine

Concen: 2.168 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038296.D

Acq: 1 Dec 2018 20:45

Instrument :

BNA_G

ClientSampleId :

112718-CHDE-F-D-M

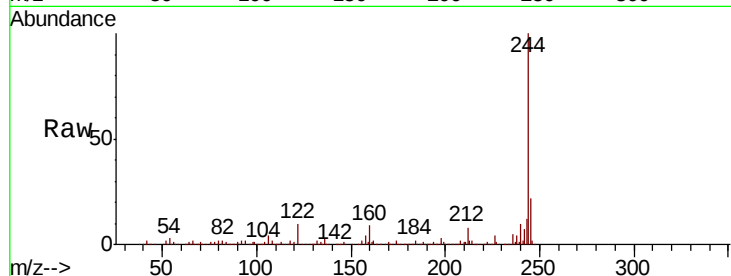
Tot Ion:184 Resp: 15065

Ion Ratio Lower Upper

184 100

185 16.4 12.6 18.8

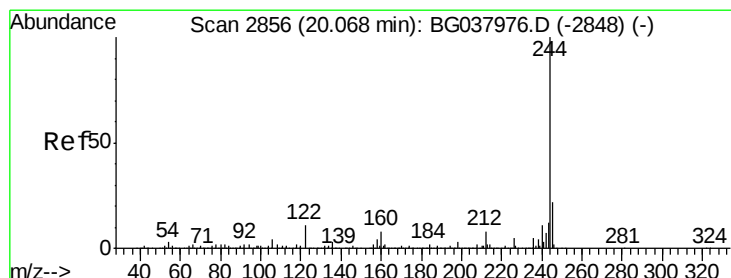
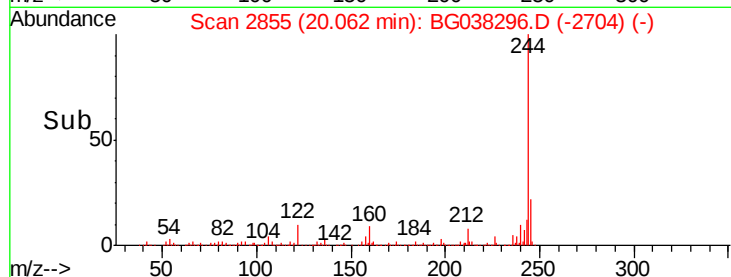
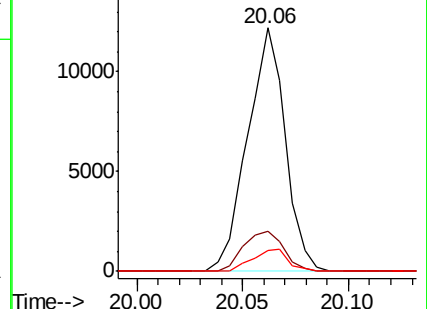
183 8.7 10.2 15.2#



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



#79

Terphenyl-d14

Concen: 99.905 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG038296.D

Acq: 1 Dec 2018 20:45

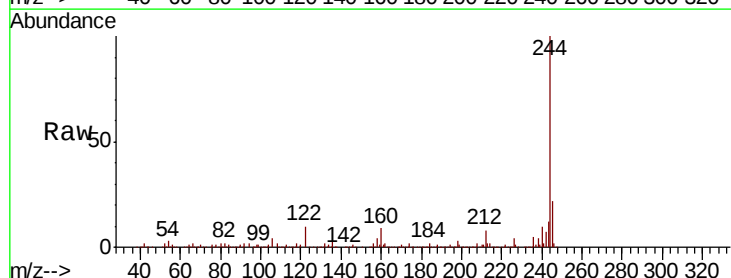
Tgt Ion:244 Resp: 840960

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

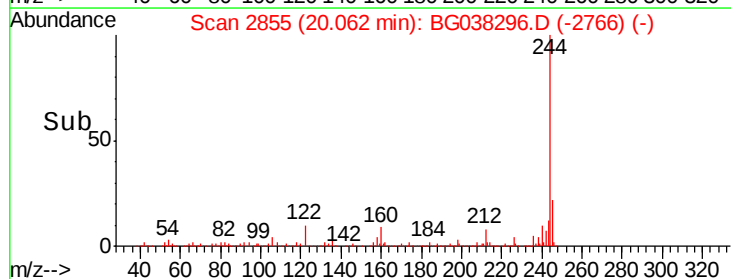
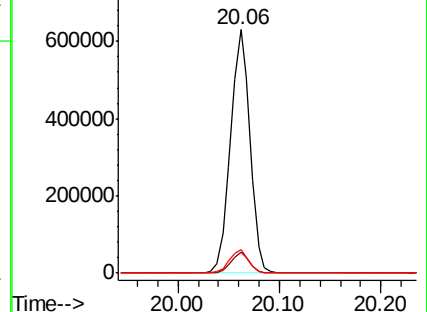
122 9.8 9.0 13.4

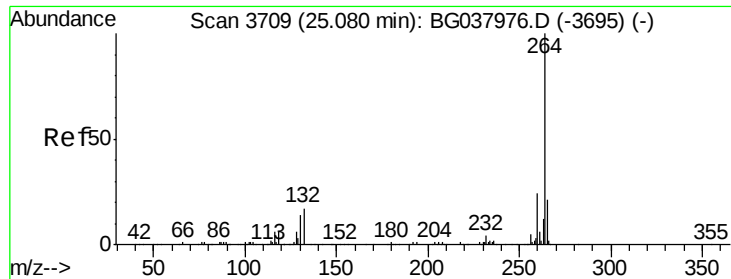


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.06 min Scan# 3705
 Delta R.T. -0.02 min
 Lab File: BG038296.D
 Acq: 1 Dec 2018 20:45

Instrument :
 BNA_G
 ClientSampleId :
 112718-CHDE-F-D-M

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	20.9	17.9	26.9

