

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042880.D
 Acq On : 17 Sep 2019 23:13
 Operator : HP/JU
 Sample : K4859-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-GW800-091119RE

Quant Time: Sep 18 01:54:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

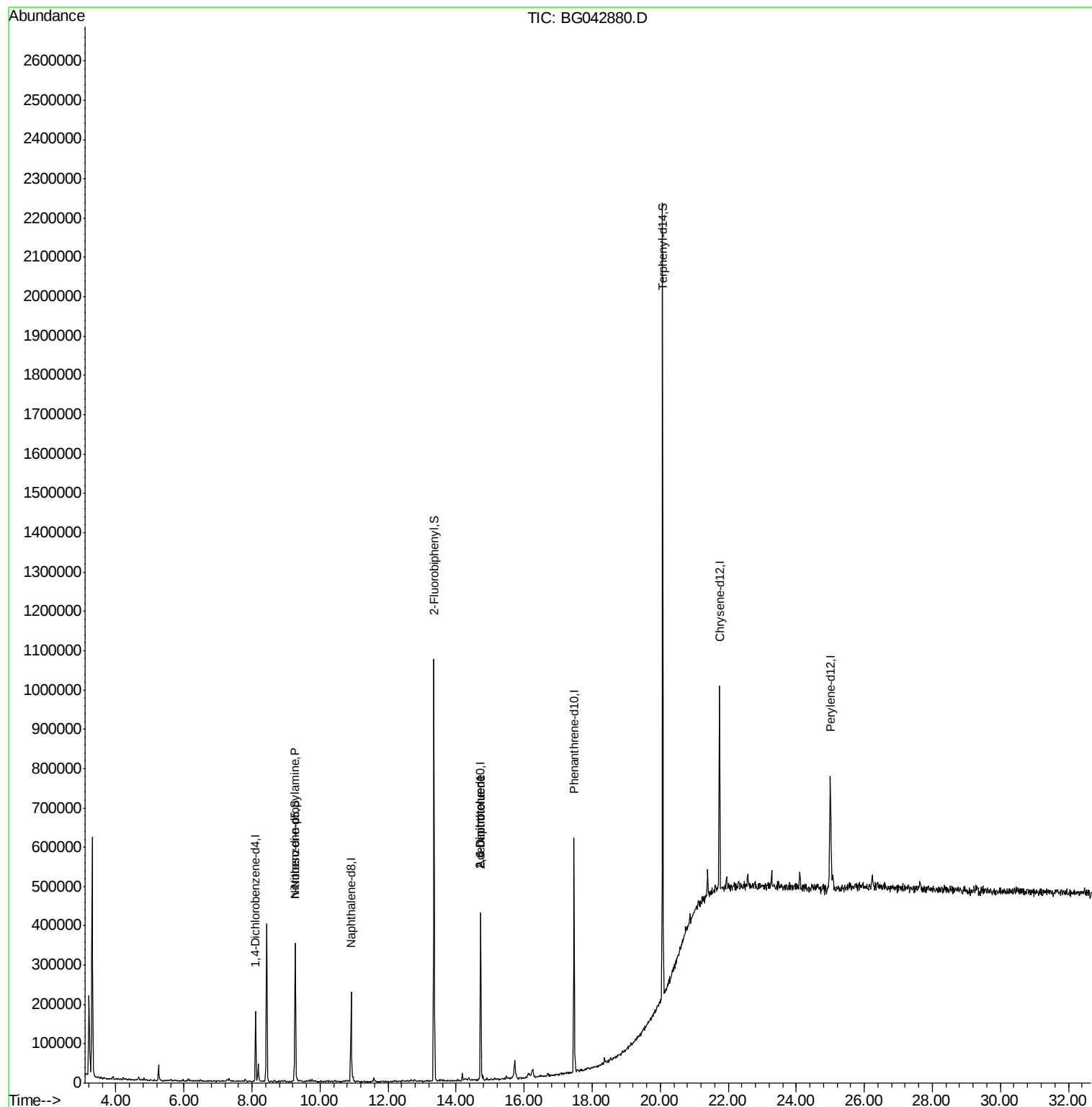
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	48501	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	187913	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	145589	20.00	ng	-0.02
64) Phenanthrene-d10	17.46	188	356244	20.00	ng	-0.02
76) Chrysene-d12	21.74	240	314535	20.00	ng	-0.02
87) Perylene-d12	25.00	264	325662	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	54	0.02	ng	0.03
7) Phenol-d6	7.30	99	1046	0.26	ng	0.03
23) Nitrobenzene-d5	9.27	82	213887	59.26	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	73	0.04	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	578138	62.86	ng	-0.02
79) Terphenyl-d14	20.07	244	958969	67.57	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	29048	9.845	ng	# 75
51) 2,6-Dinitrotoluene	14.72	165	19862	8.875	ng	# 20
57) 2,4-Dinitrotoluene	14.72	165	19862	6.659	ng	# 24

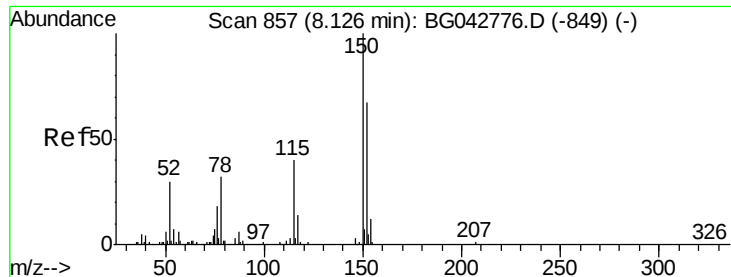
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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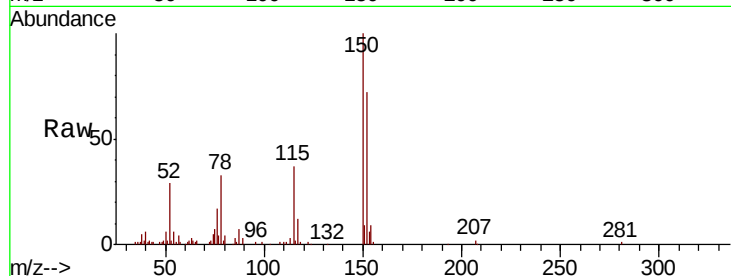


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG042880.D
Acq: 17 Sep 2019 23:13

Instrument :
BNA_G
ClientSampleId :
IDW-GW800-091119RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.9	118.9	178.3
115	50.8	47.4	71.2

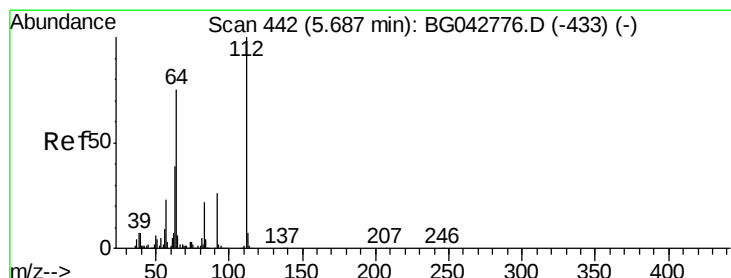
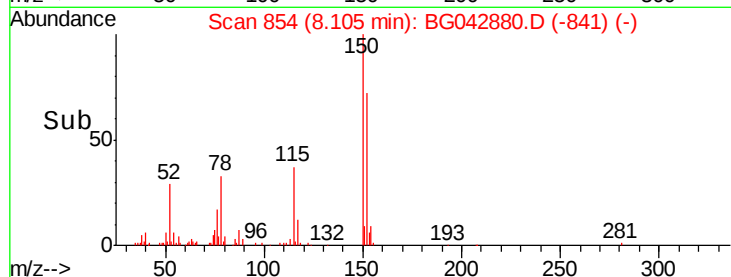
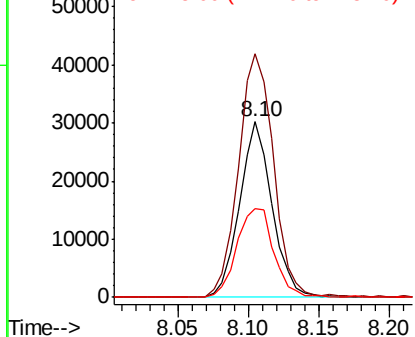


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

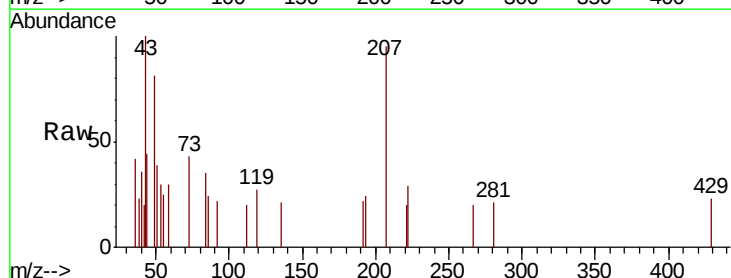
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.019 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.03 min
Lab File: BG042880.D
Acq: 17 Sep 2019 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	60.2	90.2#
63	0.0	31.2	46.8#

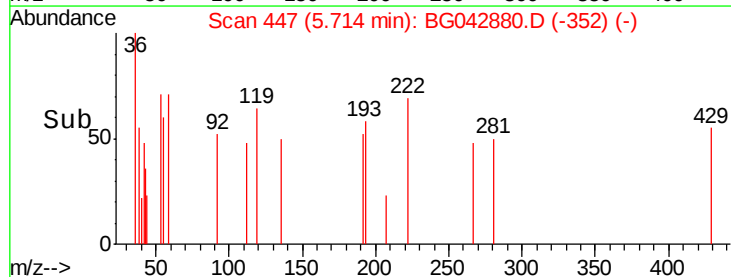
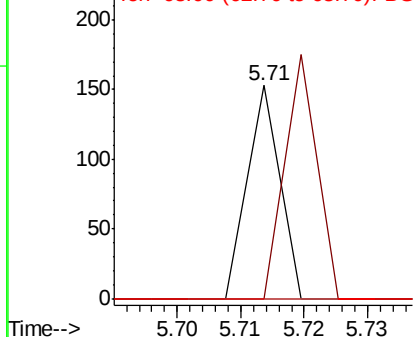


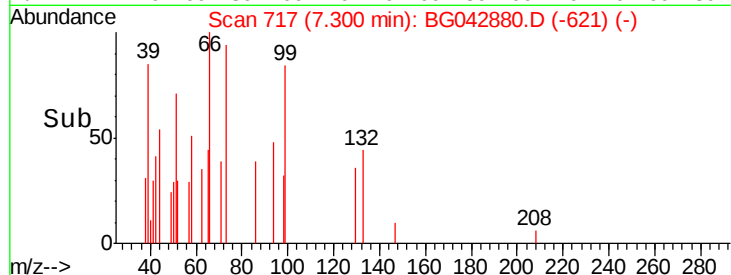
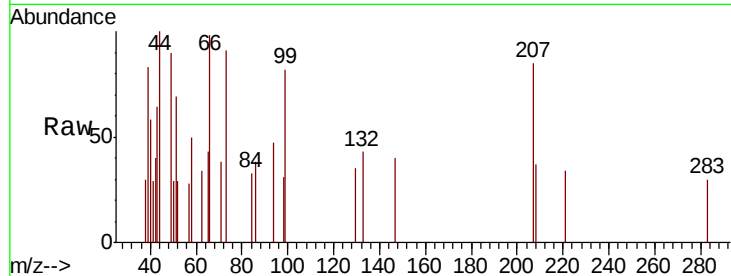
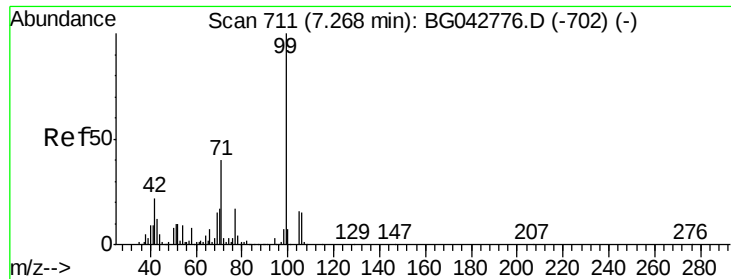
Abundance

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: 0.261 ng

RT: 7.30 min Scan# 717

Delta R.T. 0.03 min

Lab File: BG042880.D

Acq: 17 Sep 2019 23:13

Instrument :

BNA_G

ClientSampleId :

IDW-GW800-091119RE

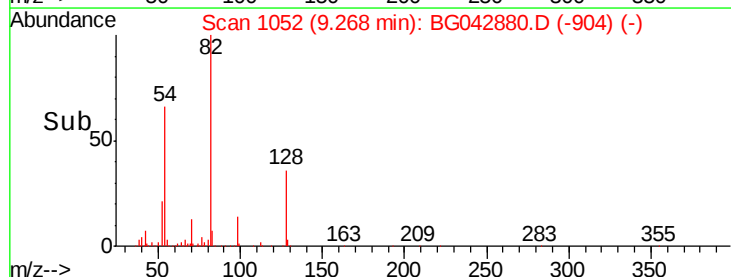
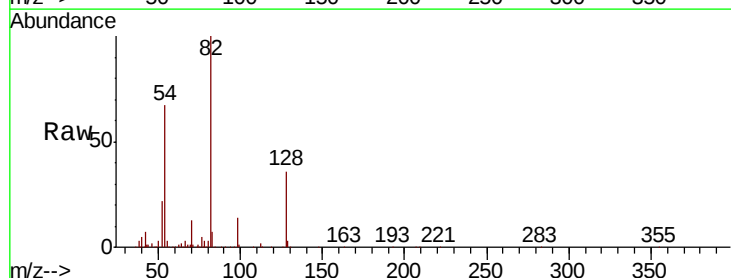
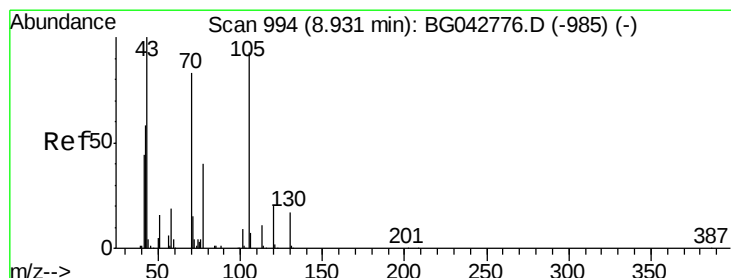
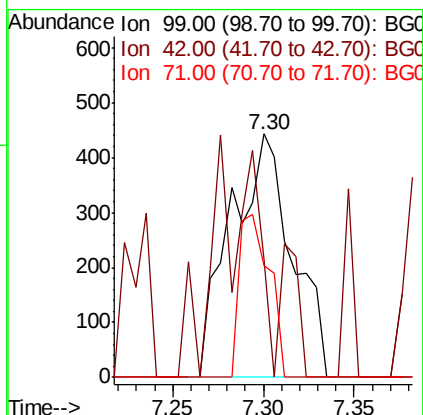
Tot Ion: 99 Resp: 1046

Ion Ratio Lower Upper

99 100

42 48.5 17.5 26.3#

71 45.8 32.0 48.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.845 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042880.D

Acq: 17 Sep 2019 23:13

Tgt Ion: 70 Resp: 29048

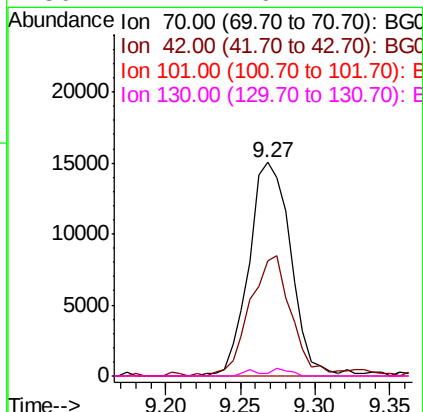
Ion Ratio Lower Upper

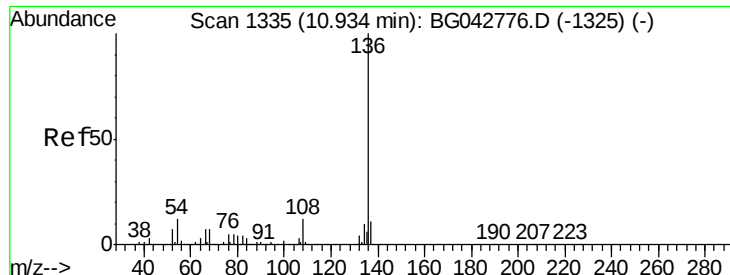
70 100

42 54.1 57.0 85.6#

101 0.0 8.4 12.6#

130 1.4 16.1 24.1#

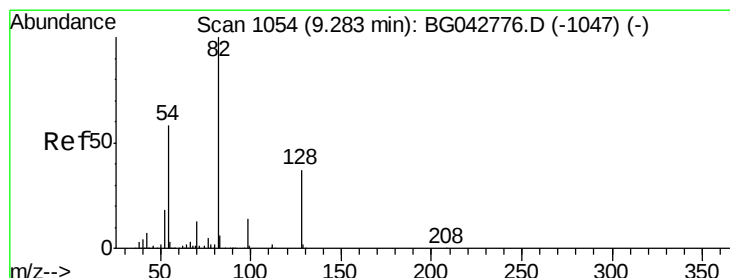
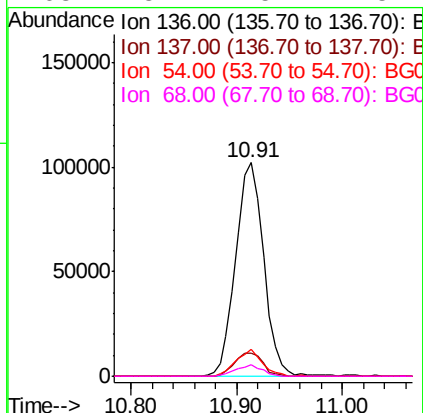
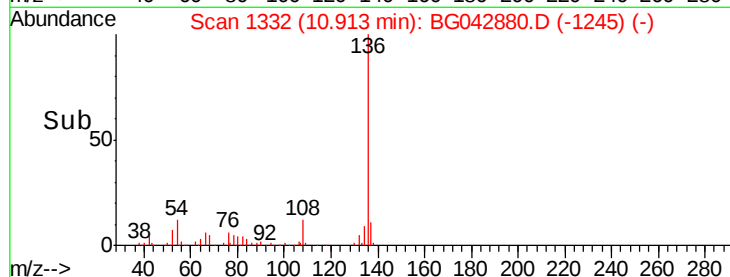
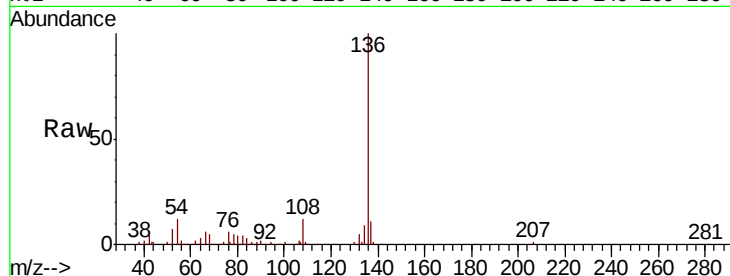




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG042880.D
Acq: 17 Sep 2019 23:13

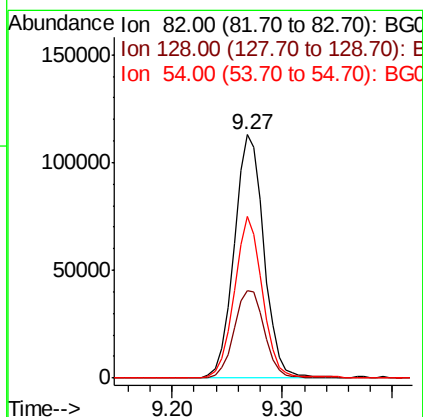
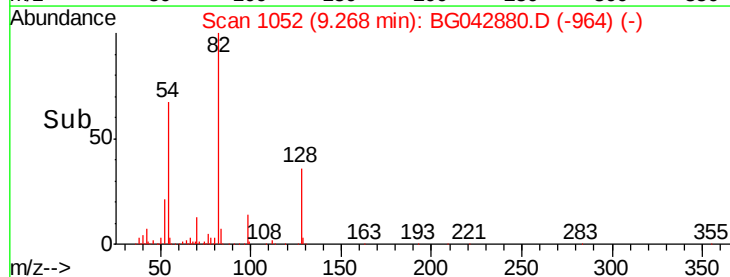
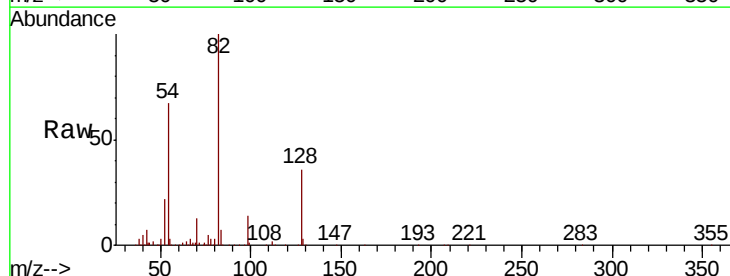
Instrument :
BNA_G
ClientSampleId :
IDW-GW800-091119RE

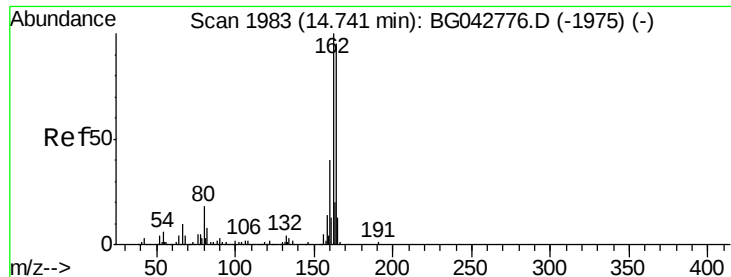
Tot Ion:136	Resp:	187913
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.0 13.6
54	12.5	9.4 14.0
68	5.2	5.4 8.2#



#23
Nitrobenzene-d5
Concen: 59.259 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042880.D
Acq: 17 Sep 2019 23:13

Tgt Ion: 82	Resp:	213887
Ion	Ratio	Lower Upper
82	100	
128	35.9	29.8 44.8
54	66.5	46.1 69.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BG042880.D

Acq: 17 Sep 2019 23:13

Instrument :

BNA_G

ClientSampleId :

IDW-GW800-091119RE

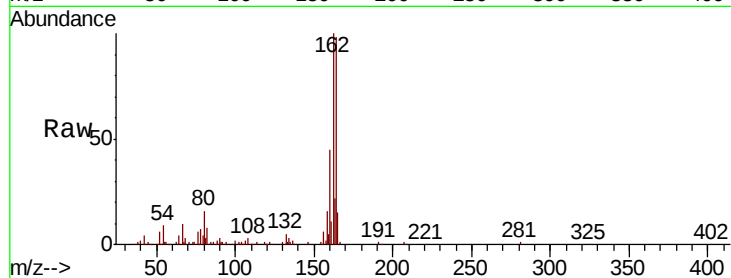
Tot Ion:164 Resp: 145589

Ion Ratio Lower Upper

164 100

162 102.5 84.6 126.8

160 45.7 34.2 51.2

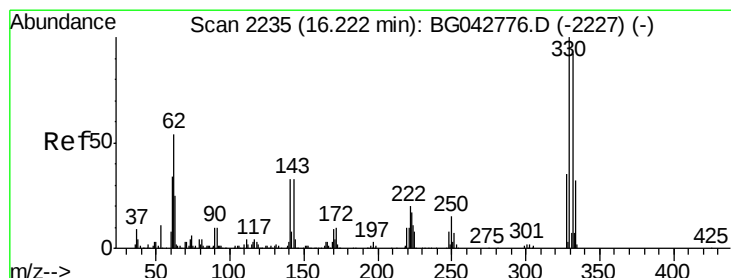
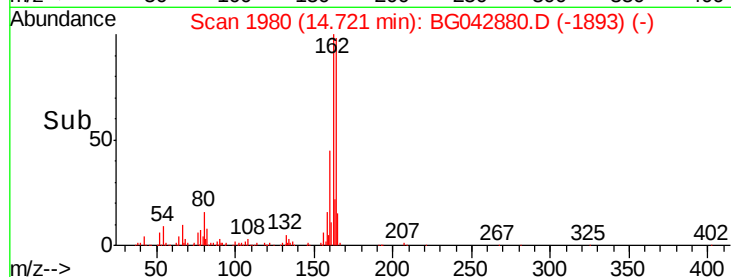
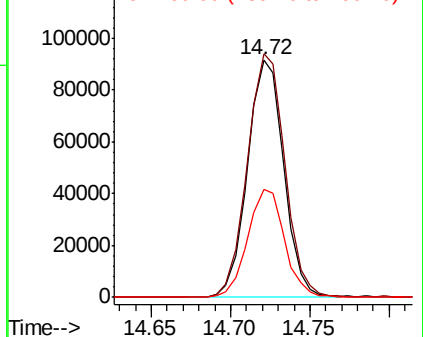


Abundance

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: 0.038 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BG042880.D

Acq: 17 Sep 2019 23:13

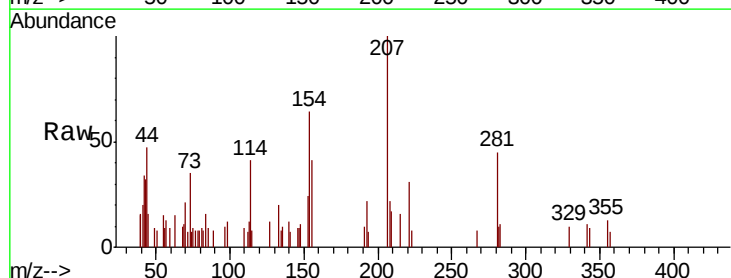
Tgt Ion:330 Resp: 73

Ion Ratio Lower Upper

330 100

332 83.6 76.7 115.1

141 0.0 27.0 40.6#

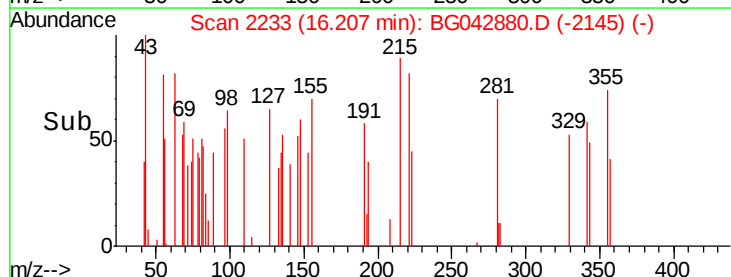
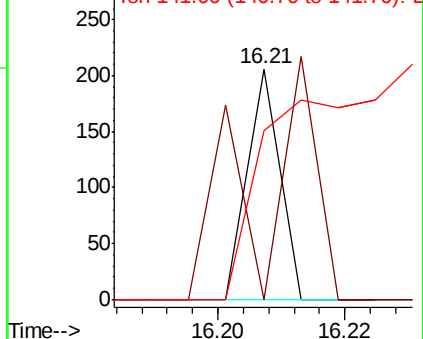


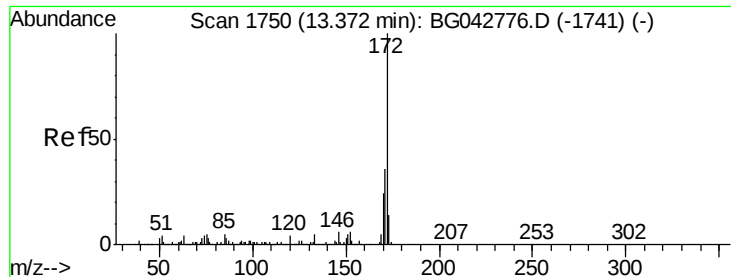
Abundance

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

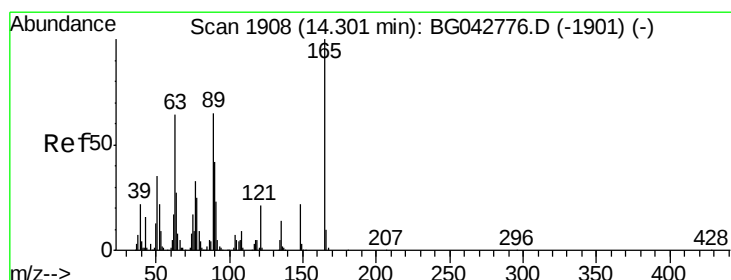
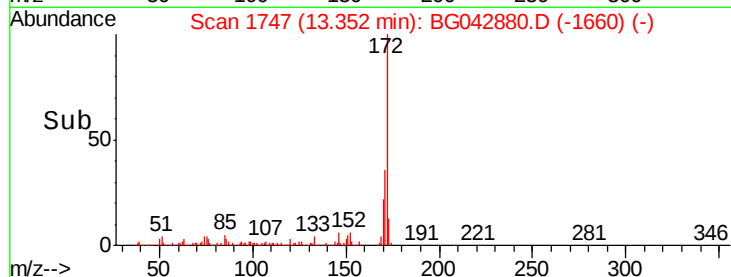
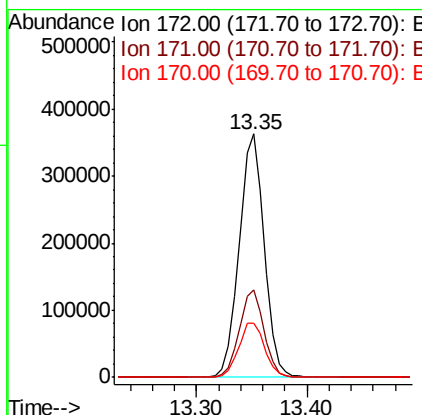
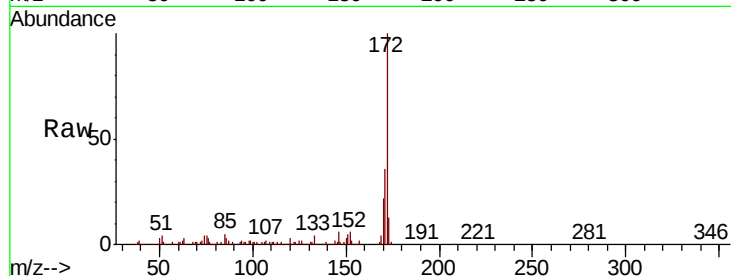




#45
2-Fluorobiphenyl
Concen: 62.859 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BG042880.D
Acq: 17 Sep 2019 23:13

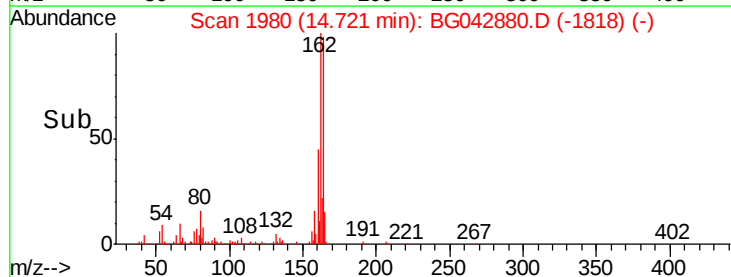
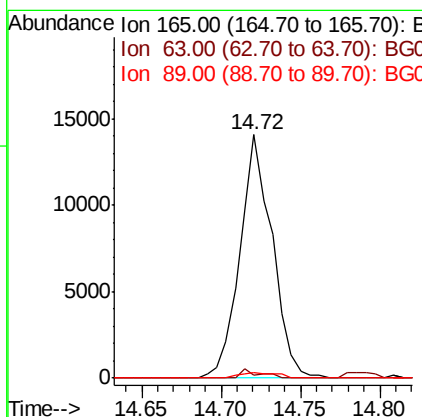
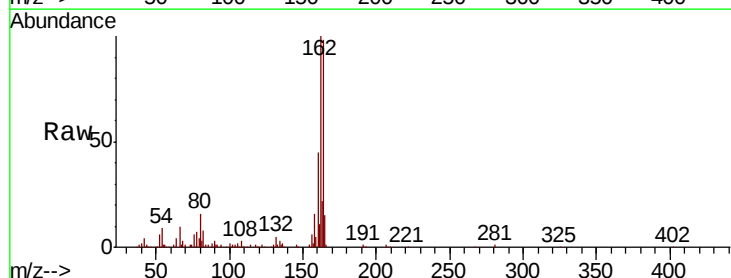
Instrument :
BNA_G
ClientSampleId :
IDW-GW800-091119RE

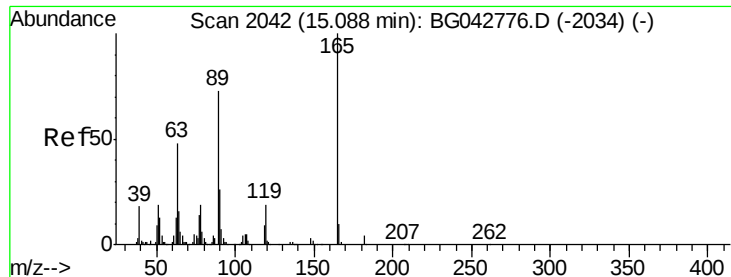
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	22.1	19.1	28.7



#51
2,6-Dinitrotoluene
Concen: 8.875 ng
RT: 14.72 min Scan# 1980
Delta R.T. 0.42 min
Lab File: BG042880.D
Acq: 17 Sep 2019 23:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	52.1	78.1#
89	2.3	51.7	77.5#





#57

2,4-Dinitrotoluene

Concen: 6.659 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.37 min

Lab File: BG042880.D

Acq: 17 Sep 2019 23:13

Instrument :

BNA_G

ClientSampleId :

IDW-GW800-091119RE

Tot Ion:165 Resp: 19862

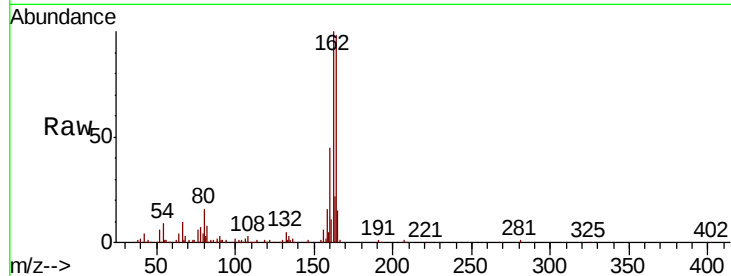
Ion Ratio Lower Upper

165 100

63 1.4 38.3 57.5#

89 2.3 58.4 87.6#

182 0.0 2.9 4.3#



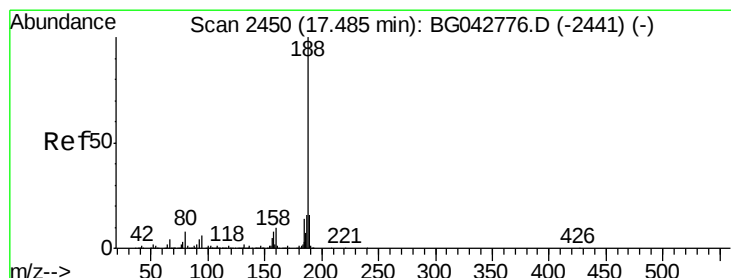
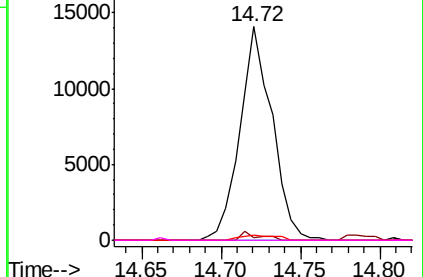
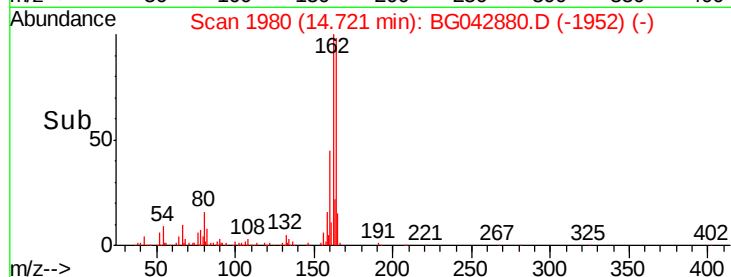
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG042880.D

Acq: 17 Sep 2019 23:13

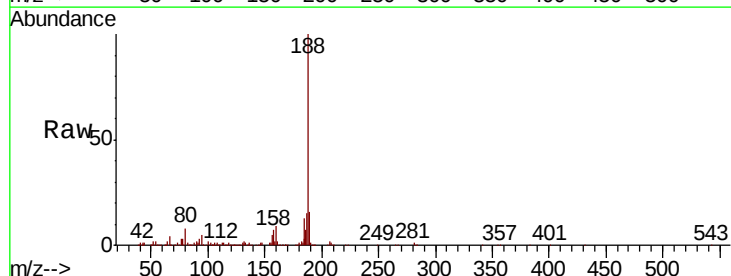
Tgt Ion:188 Resp: 356244

Ion Ratio Lower Upper

188 100

94 5.4 4.8 7.2

80 7.7 6.6 9.8

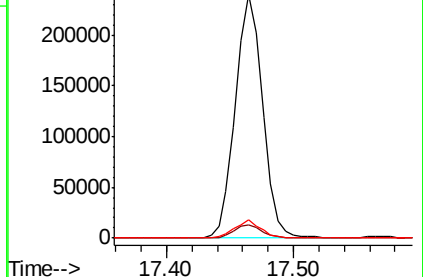
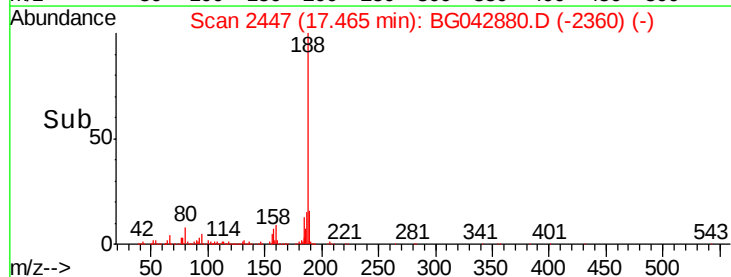


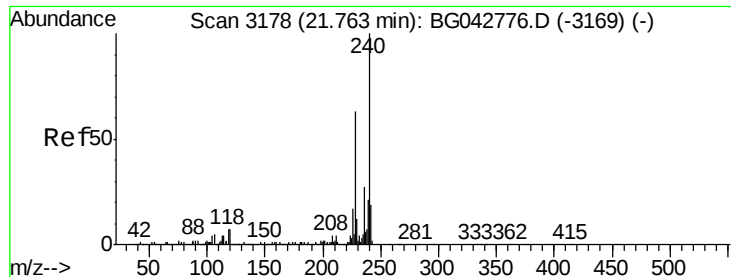
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BG042880.D

Acq: 17 Sep 2019 23:13

Instrument :

BNA_G

ClientSampleId :

IDW-GW800-091119RE

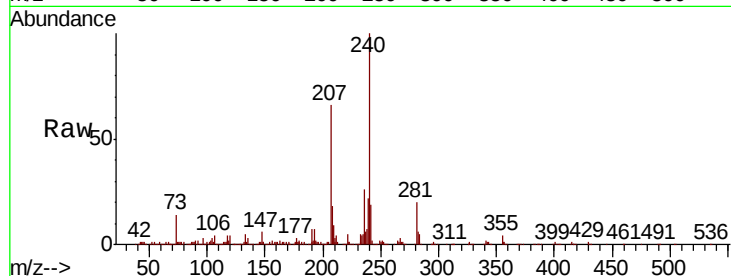
Tot Ion:240 Resp: 314535

Ion Ratio Lower Upper

240 100

120 4.4 5.4 8.2#

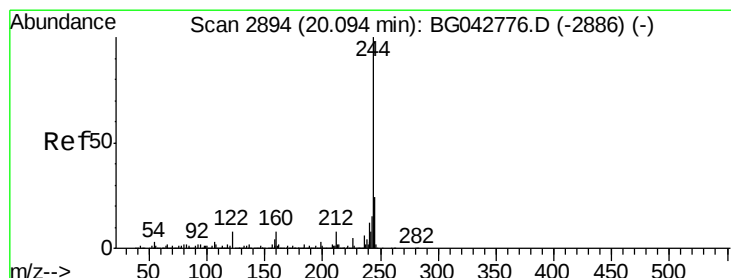
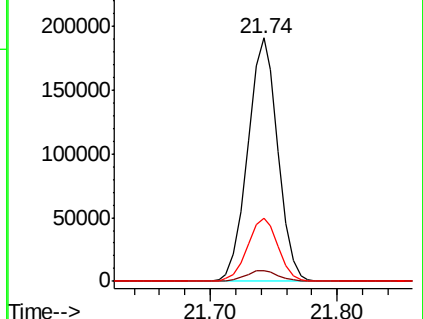
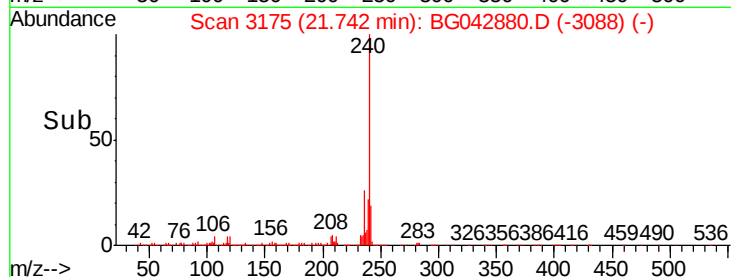
236 25.8 21.7 32.5



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



#79

Terphenyl-d14

Concen: 67.571 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG042880.D

Acq: 17 Sep 2019 23:13

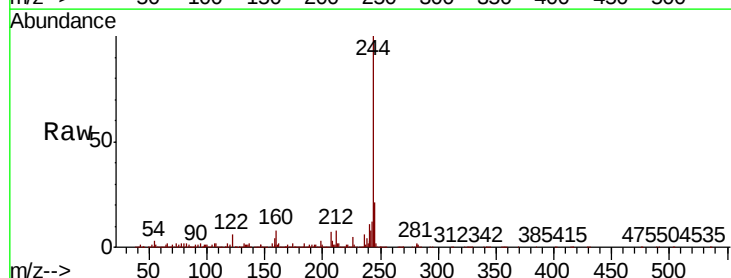
Tgt Ion:244 Resp: 958969

Ion Ratio Lower Upper

244 100

212 7.8 6.6 10.0

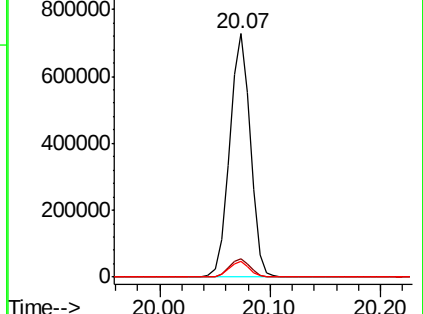
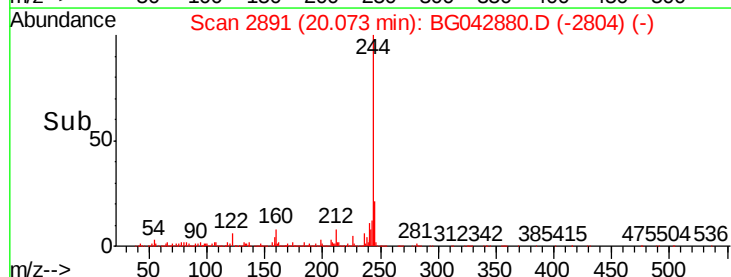
122 6.2 6.2 9.4#

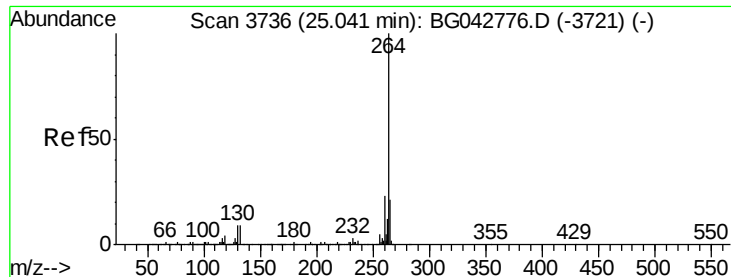


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.00 min Scan# 3730
 Delta R.T. -0.04 min
 Lab File: BG042880.D
 Acq: 17 Sep 2019 23:13

Instrument :
 BNA_G
 ClientSampleId :
 IDW-GW800-091119RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.2	27.2
265	25.1	16.9	25.3

