

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042877.D
 Acq On : 17 Sep 2019 21:18
 Operator : HP/JU
 Sample : K4923-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 18 01:53:14 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

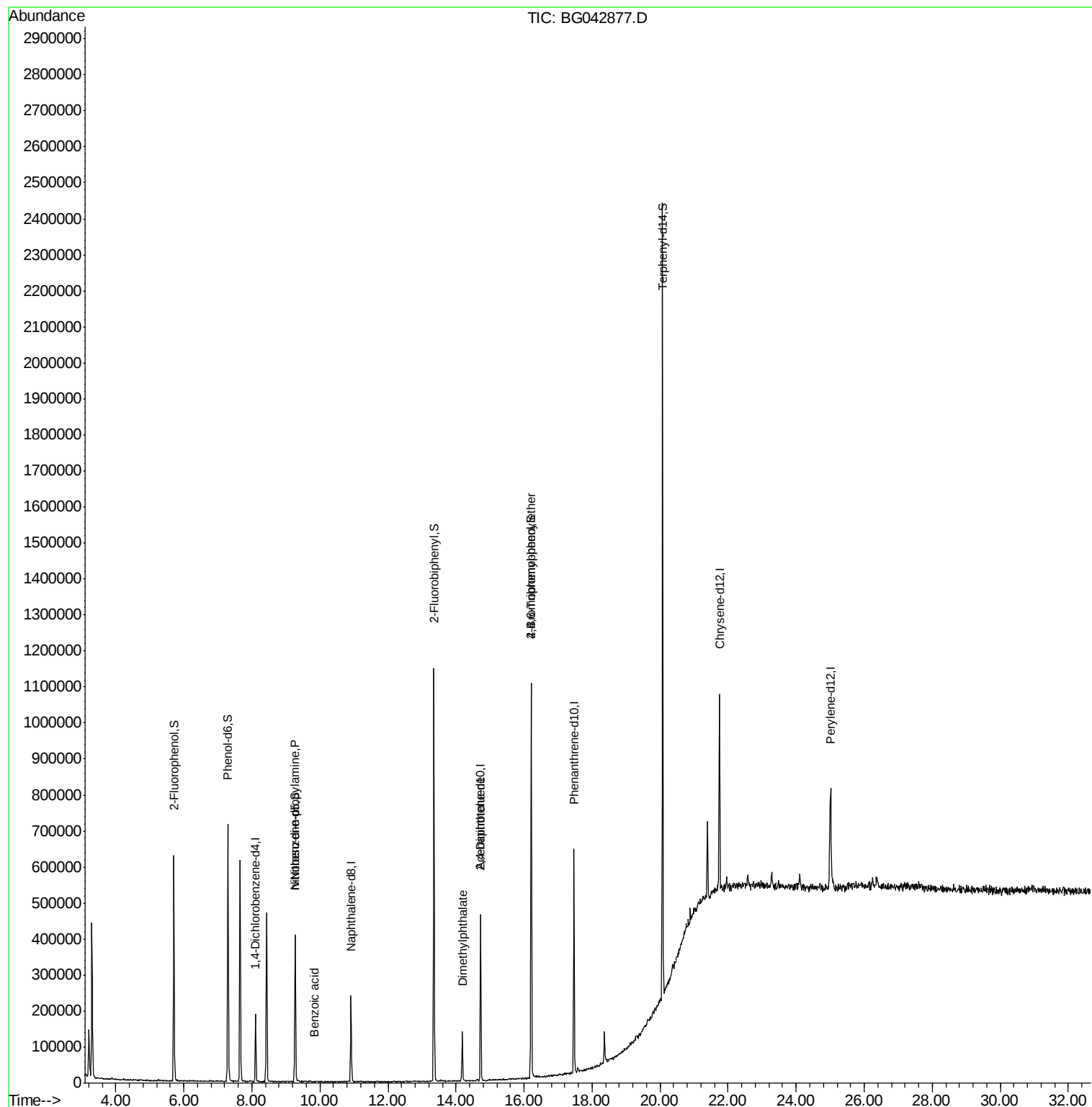
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	48141	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	201780	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	158794	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	386838	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	327102	20.00	ng	-0.02
87) Perylene-d12	25.01	264	345825	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	236436	85.39	ng	0.02
7) Phenol-d6	7.30	99	366496	92.21	ng	0.03
23) Nitrobenzene-d5	9.27	82	238804	61.62	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	212765	100.71	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	617611	61.57	ng	-0.02
79) Terphenyl-d14	20.08	244	1057826	71.67	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	33387	11.400	ng	# 78
32) Benzoic acid	9.83	122	83	5.996	ng	# 1
50) Dimethylphthalate	14.19	163	93144	7.830	ng	97
57) 2,4-Dinitrotoluene	14.72	165	22171	6.815	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	13462	2.875	ng	# 1

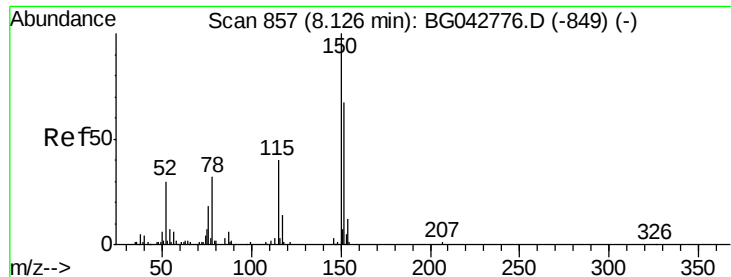
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



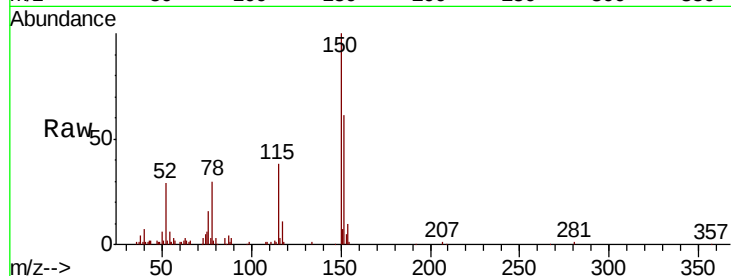


#1

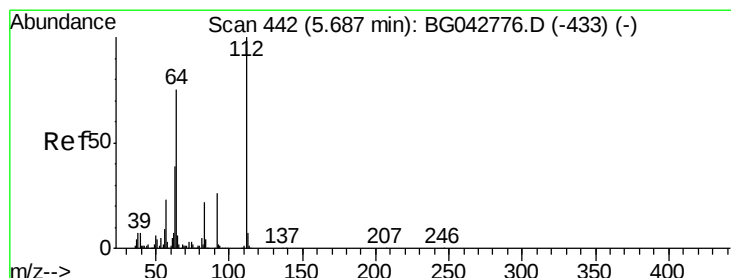
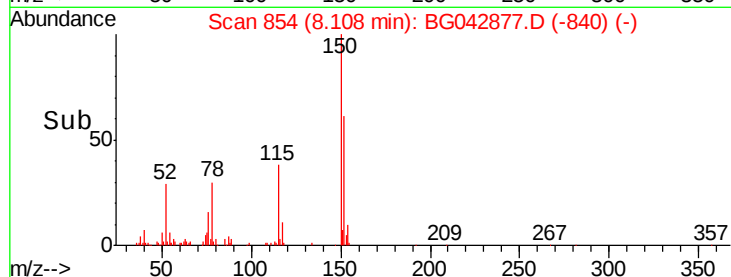
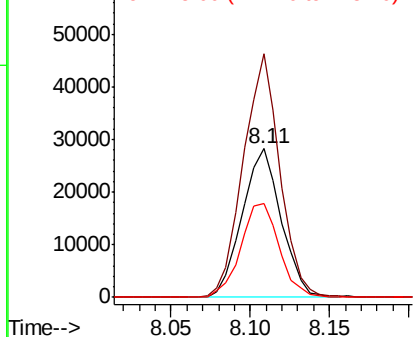
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 854
 Delta R.T. -0.02 min
 Lab File: BG042877.D
 Acq: 17 Sep 2019 21:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 48141
 Ion Ratio Lower Upper
 152 100
 150 163.9 118.9 178.3
 115 63.1 47.4 71.2



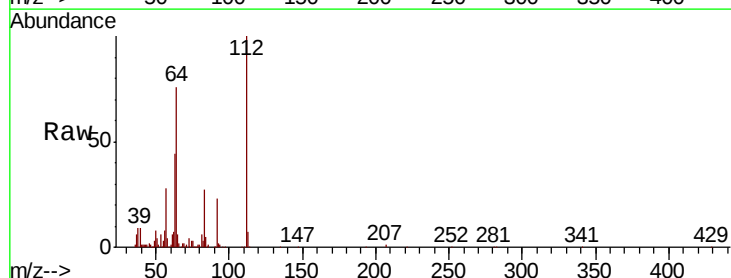
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



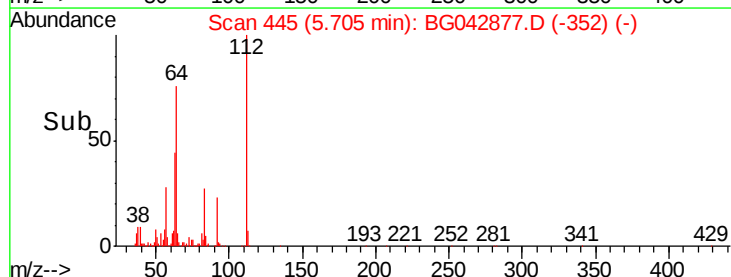
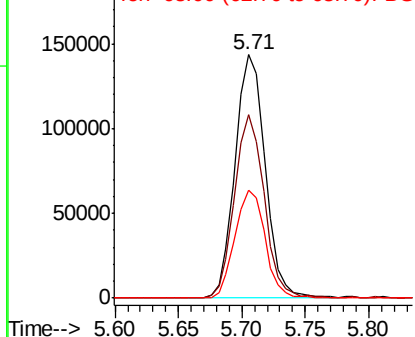
#5

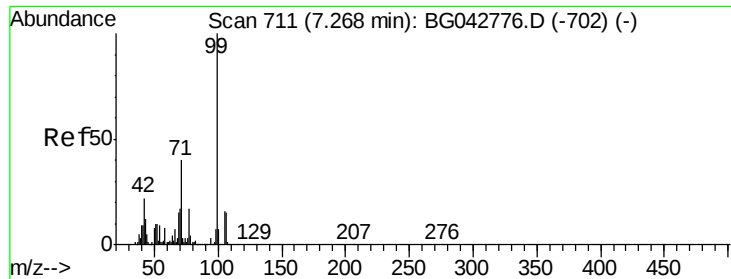
2-Fluorophenol
 Concen: 85.386 ng
 RT: 5.71 min Scan# 445
 Delta R.T. 0.02 min
 Lab File: BG042877.D
 Acq: 17 Sep 2019 21:18

Tgt Ion:112 Resp: 236436
 Ion Ratio Lower Upper
 112 100
 64 75.6 60.2 90.2
 63 44.3 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: 92.212 ng

RT: 7.30 min Scan# 716

Delta R.T. 0.03 min

Lab File: BG042877.D

Acq: 17 Sep 2019 21:18

Instrument :

BNA_G

ClientSampled :

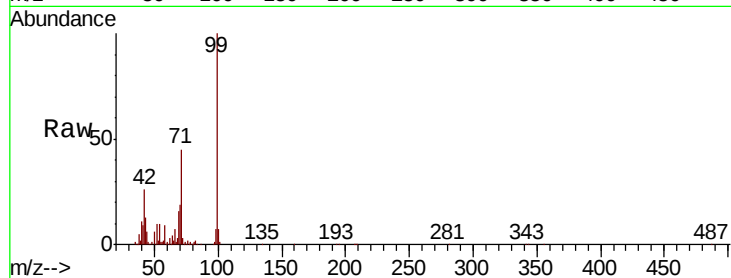
Tot Ion: 99 Resp: 366496

Ion Ratio Lower Upper

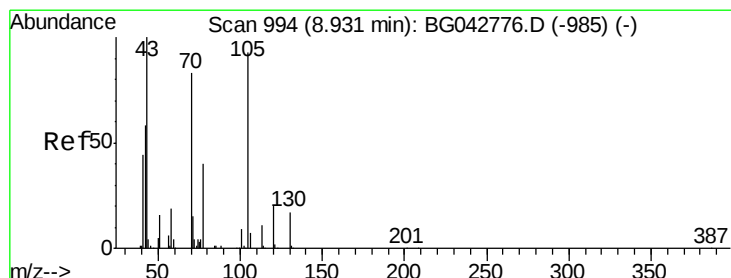
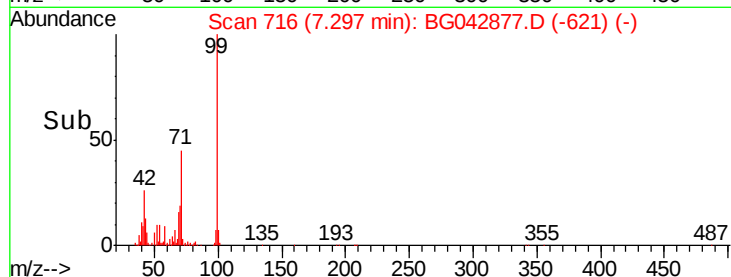
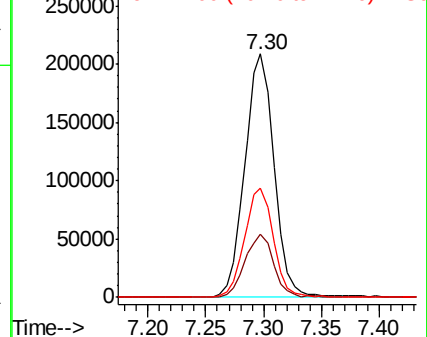
99 100

42 25.7 17.5 26.3

71 44.8 32.0 48.0



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: 11.400 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042877.D

Acq: 17 Sep 2019 21:18

Tgt Ion: 70 Resp: 33387

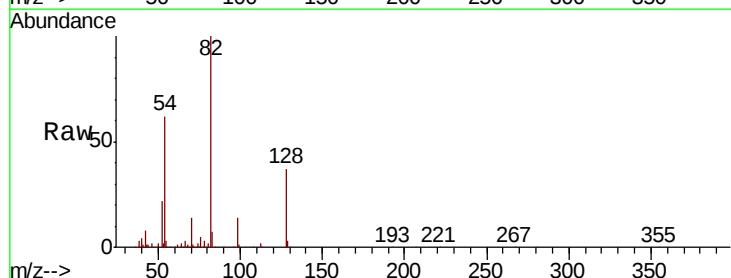
Ion Ratio Lower Upper

70 100

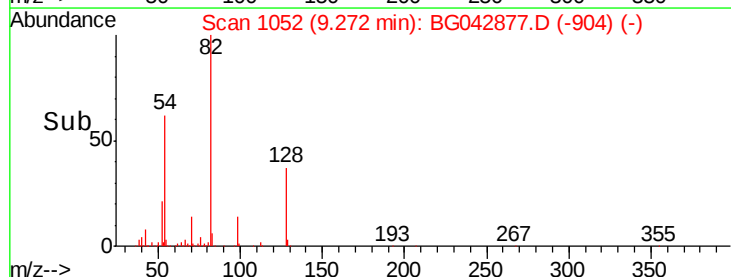
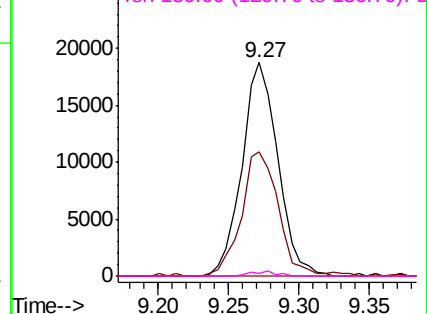
42 58.3 57.0 85.6

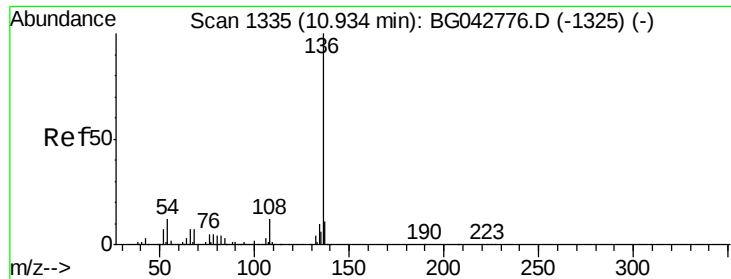
101 0.0 8.4 12.6#

130 1.0 16.1 24.1#



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: 10.91 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BG042877.D

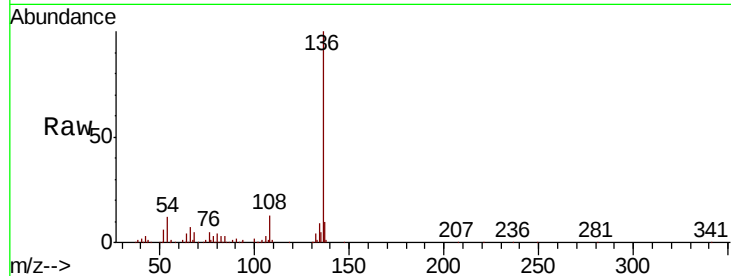
Acq: 17 Sep 2019 21:18

Instrument :

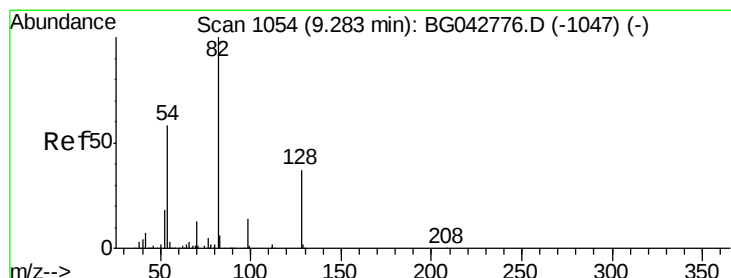
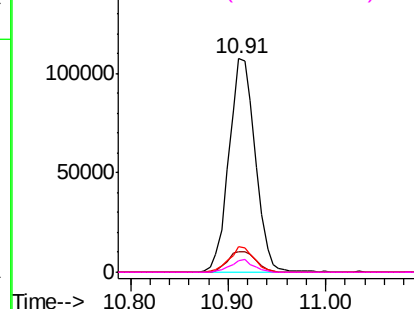
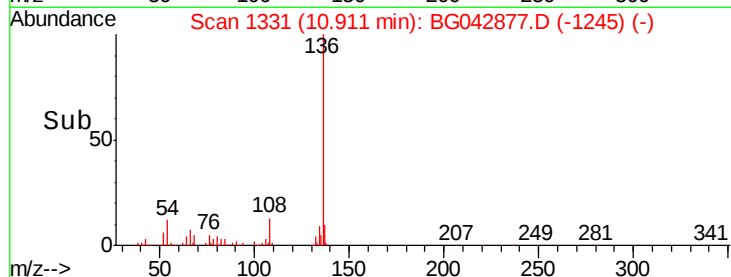
BNA_G

ClientSampleId :

Tot Ion:	136	Resp:	201780
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.0	13.6
54	12.1	9.4	14.0
68	5.4	5.4	8.2#



Abundance Ion 136.00 (135.70 to 136.70): BGC
 Ion 137.00 (136.70 to 137.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC
 Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 61.615 ng

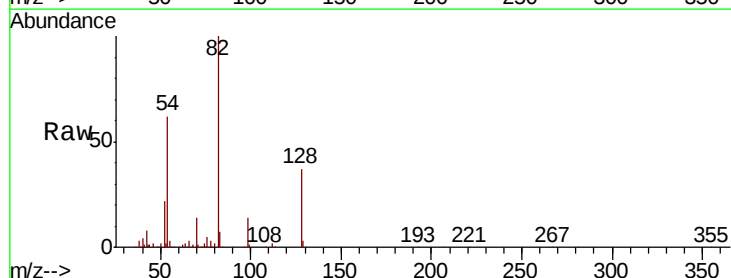
RT: 9.27 min Scan# 1052

Delta R.T. -0.01 min

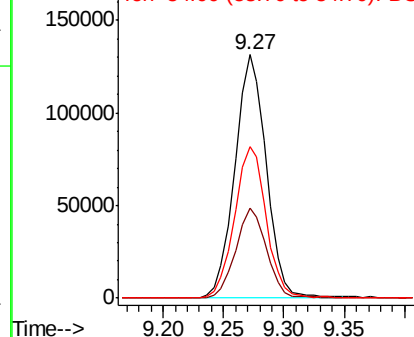
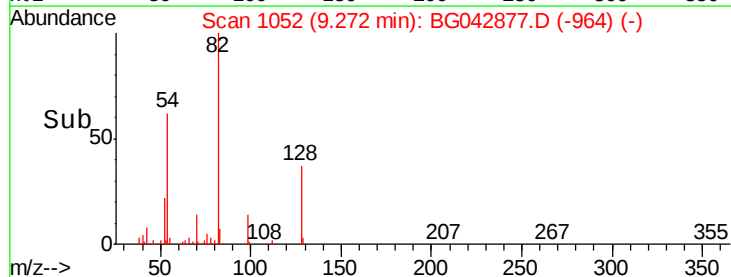
Lab File: BG042877.D

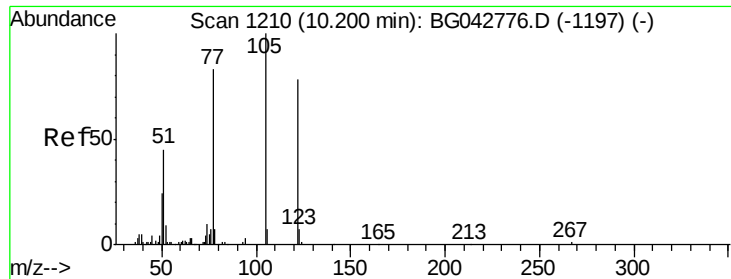
Acq: 17 Sep 2019 21:18

Tgt Ion:	82	Resp:	238804
Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.8	44.8
54	62.2	46.1	69.1



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

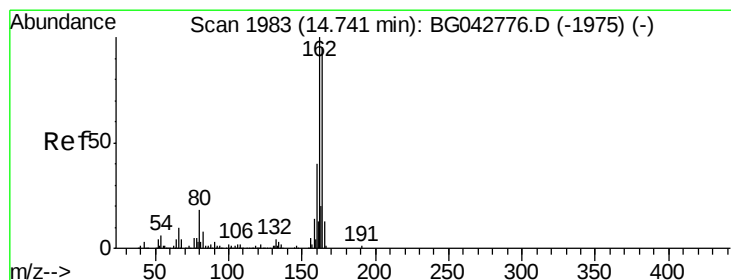
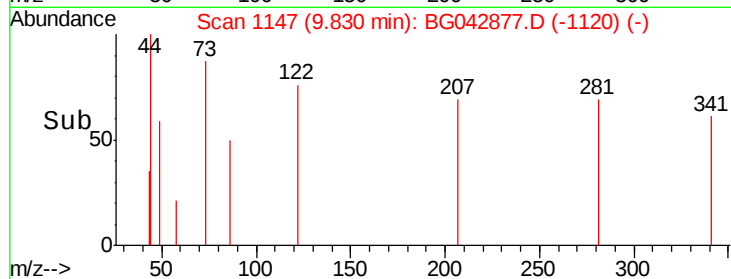
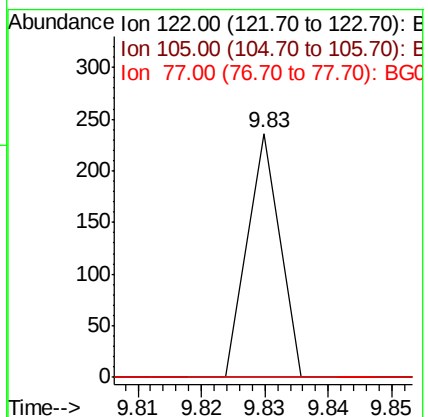
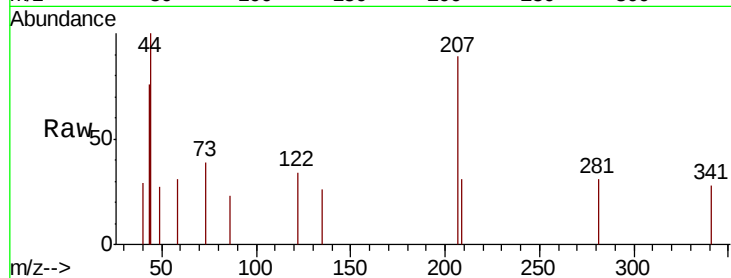




#32
Benzoic acid
Concen: 5.996 ng
RT: 9.83 min Scan# 1147
Delta R.T. -0.37 min
Lab File: BG042877.D
Acq: 17 Sep 2019 21:18

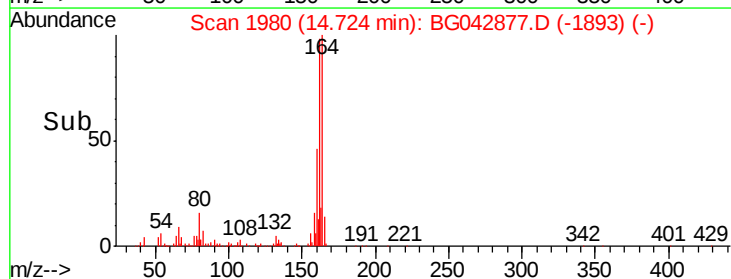
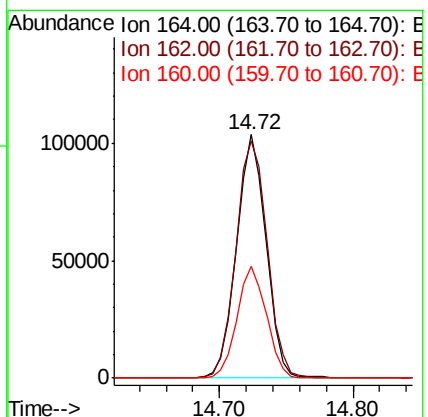
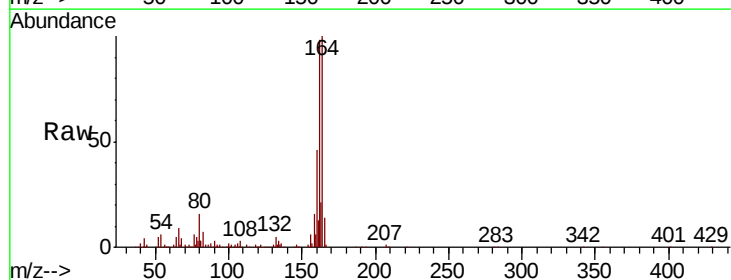
Instrument :
BNA_G
ClientSampleId :

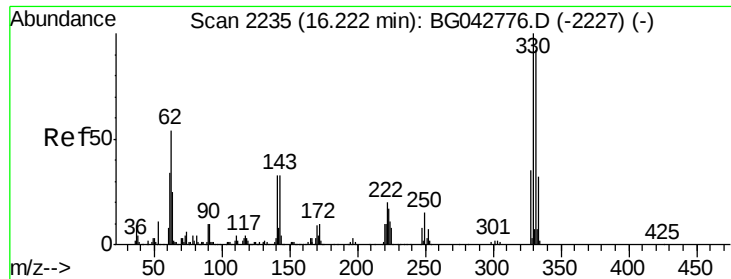
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.02 min
Lab File: BG042877.D
Acq: 17 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.5	84.6	126.8
160	45.7	34.2	51.2

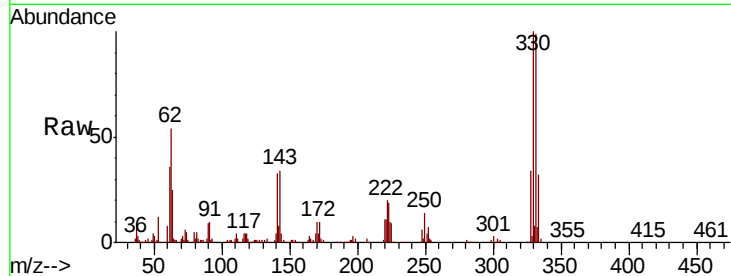




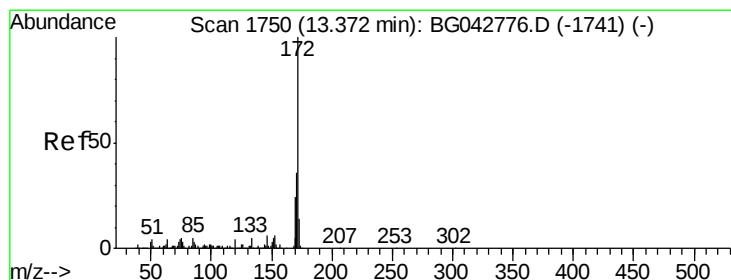
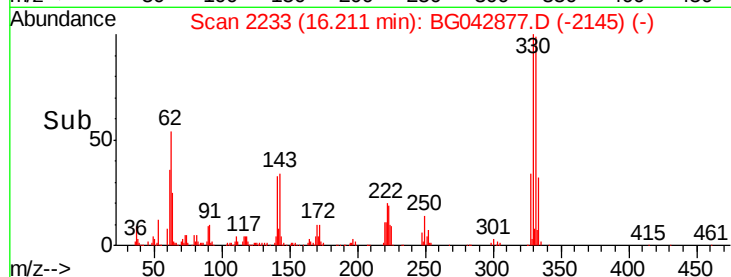
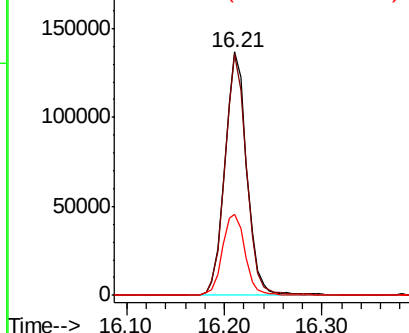
#42
 2,4,6-Tribromophenol
 Concen: 100.711 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BG042877.D
 Acq: 17 Sep 2019 21:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.7	115.1
141	34.6	27.0	40.6

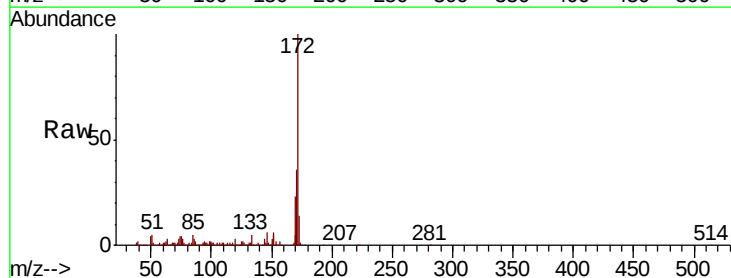


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

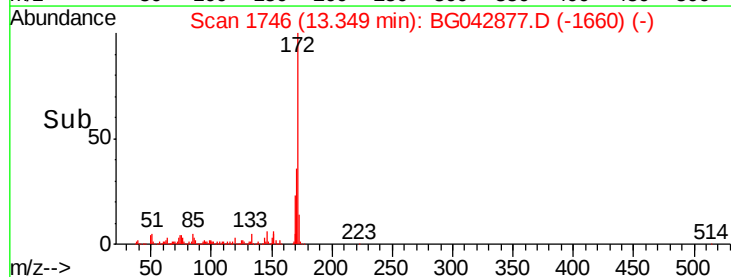
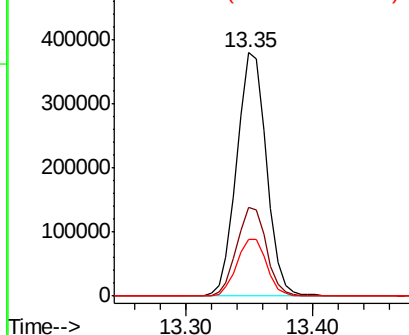


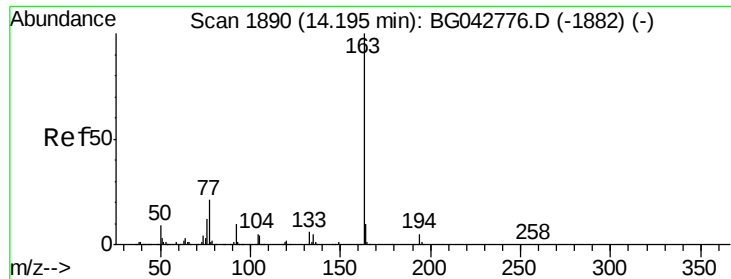
#45
 2-Fluorobiphenyl
 Concen: 61.566 ng
 RT: 13.35 min Scan# 1746
 Delta R.T. -0.02 min
 Lab File: BG042877.D
 Acq: 17 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.9	43.3
170	23.4	19.1	28.7



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

Dimethylphthalate

Concen: 7.830 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BG042877.D

Acq: 17 Sep 2019 21:18

Instrument :

BNA_G

ClientSampleId :

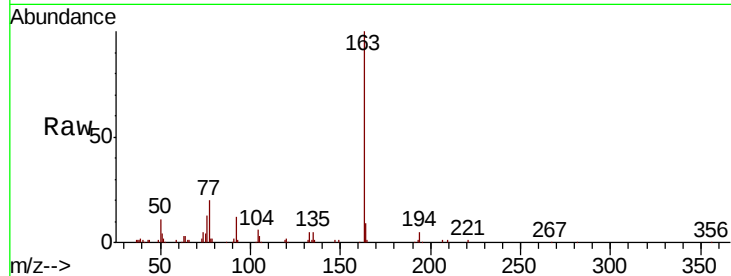
Tot Ion:163 Resp: 93144

Ion Ratio Lower Upper

163 100

194 4.9 4.2 6.4

164 9.1 8.4 12.6

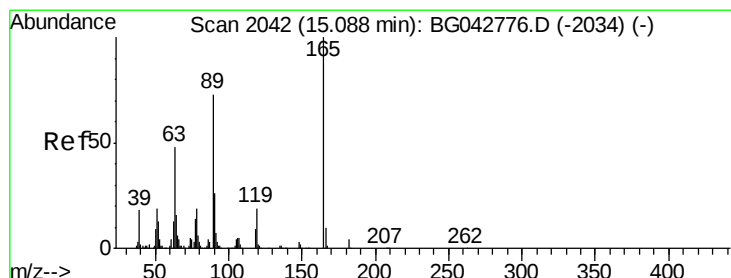
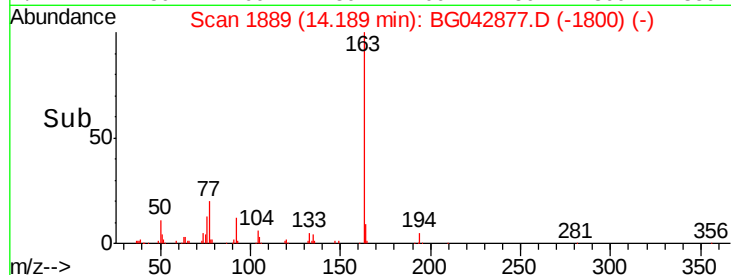
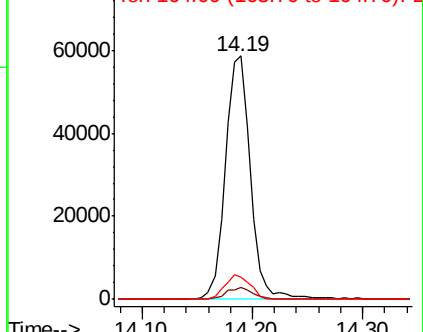


Abundance

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



#57

2,4-Dinitrotoluene

Concen: 6.815 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.36 min

Lab File: BG042877.D

Acq: 17 Sep 2019 21:18

Tgt Ion:165 Resp: 22171

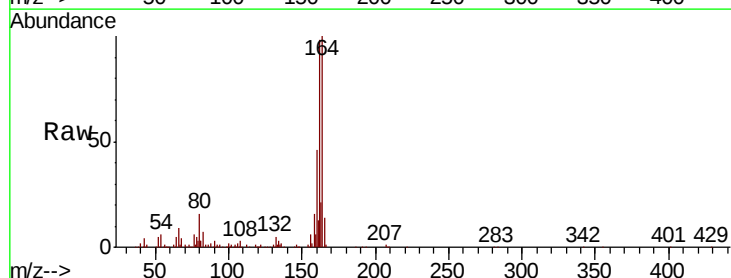
Ion Ratio Lower Upper

165 100

63 1.7 38.3 57.5#

89 3.0 58.4 87.6#

182 0.0 2.9 4.3#



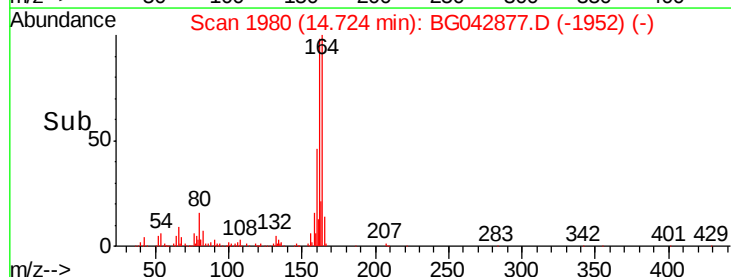
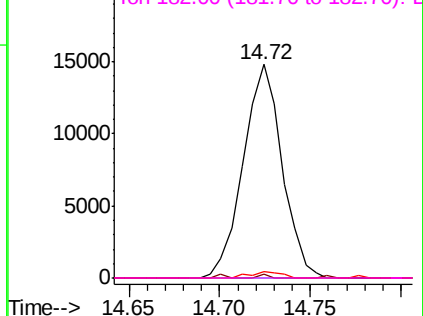
Abundance

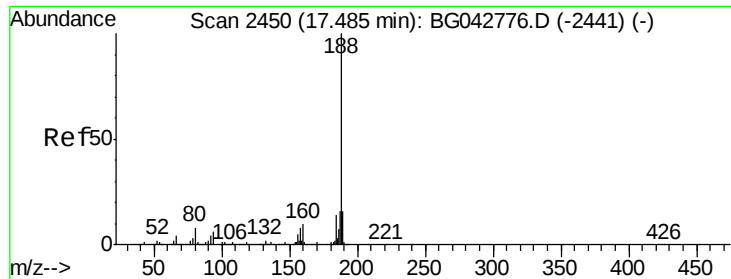
Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG042877.D

Acq: 17 Sep 2019 21:18

Instrument :

BNA_G

ClientSampleId :

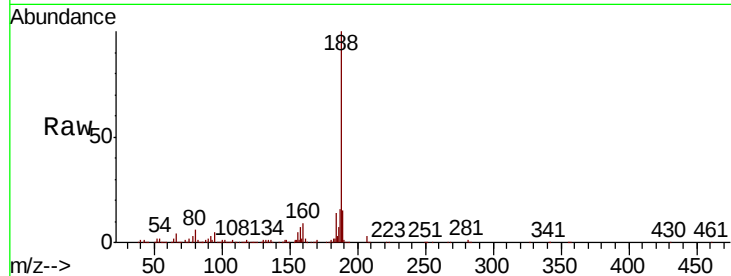
Tot Ion:188 Resp: 386838

Ion Ratio Lower Upper

188 100

94 5.3 4.8 7.2

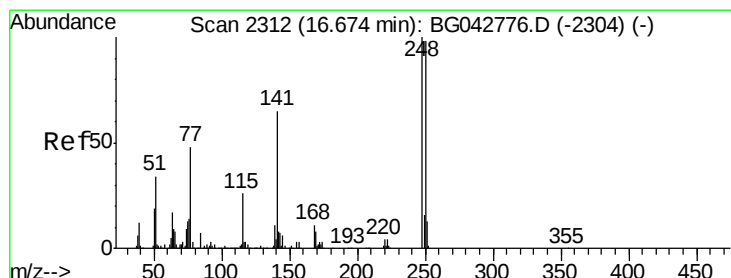
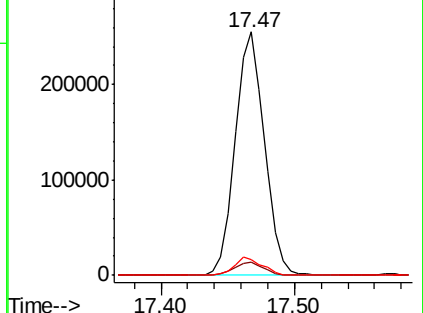
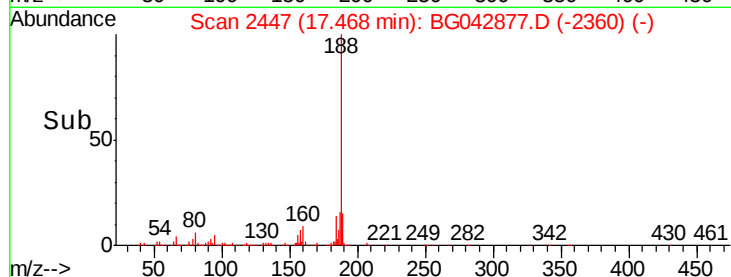
80 6.3 6.6 9.8#



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



#67

4-Bromophenyl-phenylether

Concen: 2.875 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.46 min

Lab File: BG042877.D

Acq: 17 Sep 2019 21:18

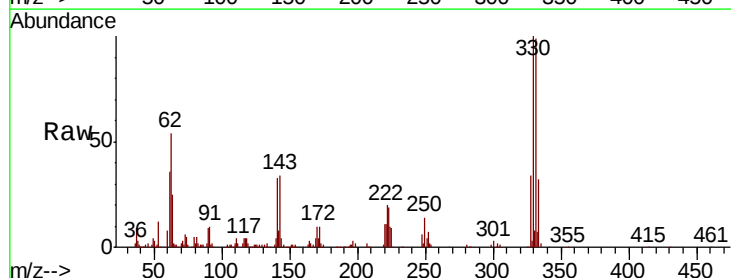
Tgt Ion:248 Resp: 13462

Ion Ratio Lower Upper

248 100

250 226.4 78.0 117.0#

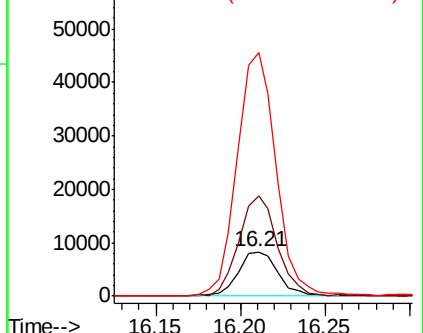
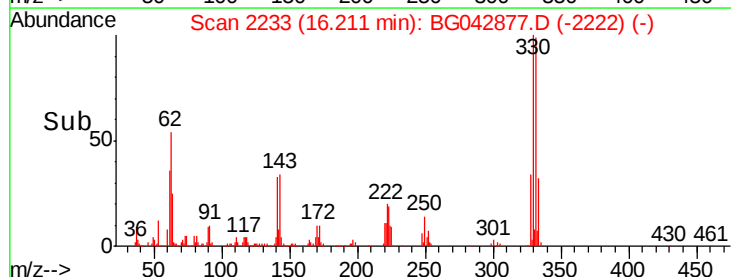
141 546.4 51.8 77.6#

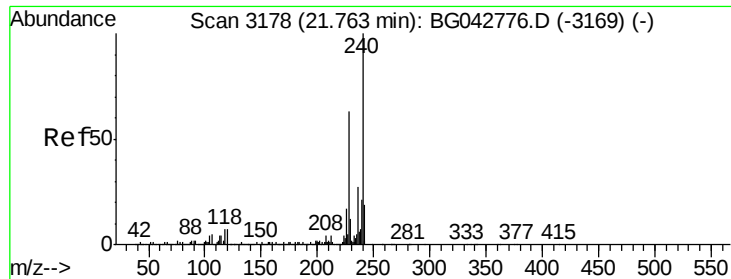


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

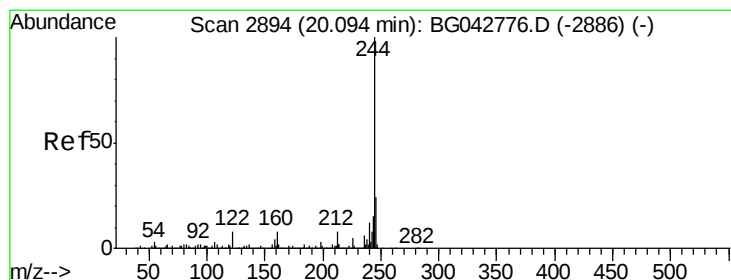
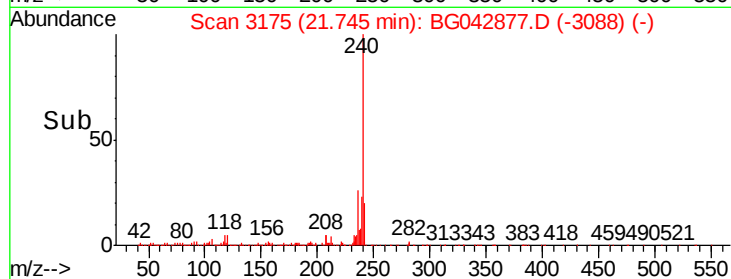
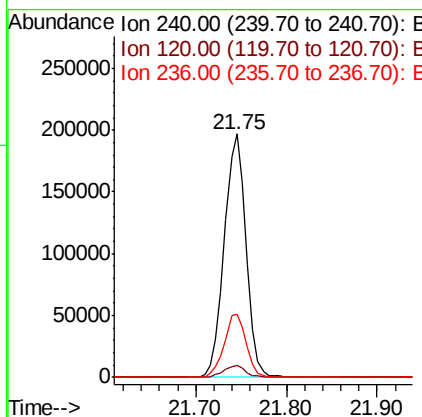
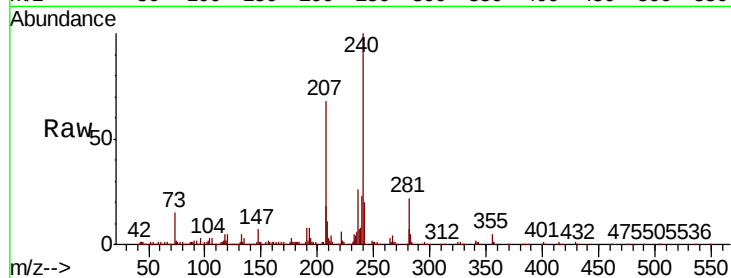




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3175
Delta R.T. -0.02 min
Lab File: BG042877.D
Acq: 17 Sep 2019 21:18

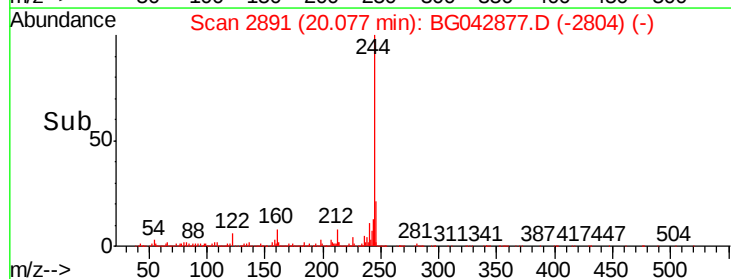
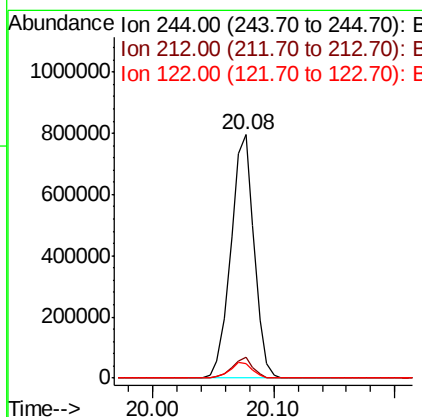
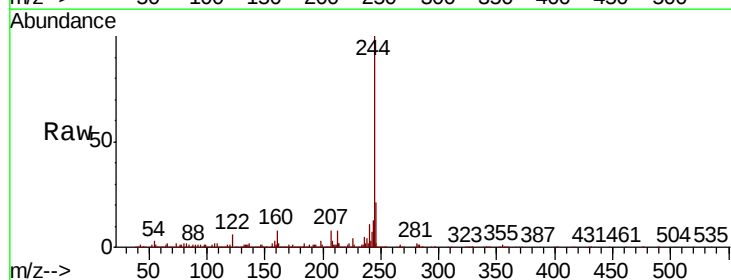
Instrument :
BNA_G
ClientSampled :

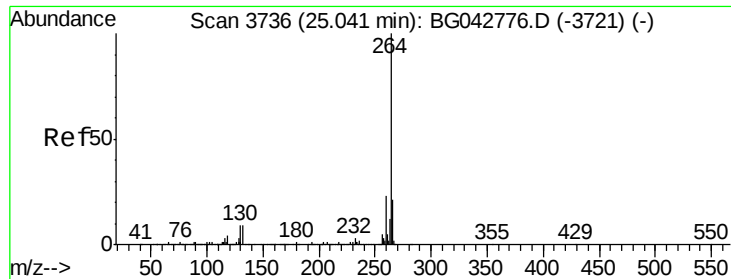
Tot Ion:240 Resp: 327102
Ion Ratio Lower Upper
240 100
120 4.7 5.4 8.2#
236 25.7 21.7 32.5



#79
Terphenyl-d14
Concen: 71.673 ng
RT: 20.08 min Scan# 2891
Delta R.T. -0.02 min
Lab File: BG042877.D
Acq: 17 Sep 2019 21:18

Tgt Ion:244 Resp: 1057826
Ion Ratio Lower Upper
244 100
212 8.4 6.6 10.0
122 5.8 6.2 9.4#





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3730
 Delta R.T. -0.04 min
 Lab File: BG042877.D
 Acq: 17 Sep 2019 21:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	24.6	16.9	25.3

