

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042872.D
 Acq On : 17 Sep 2019 18:07
 Operator : HP/JU
 Sample : PB123017BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BL

Quant Time: Sep 18 01:51:22 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

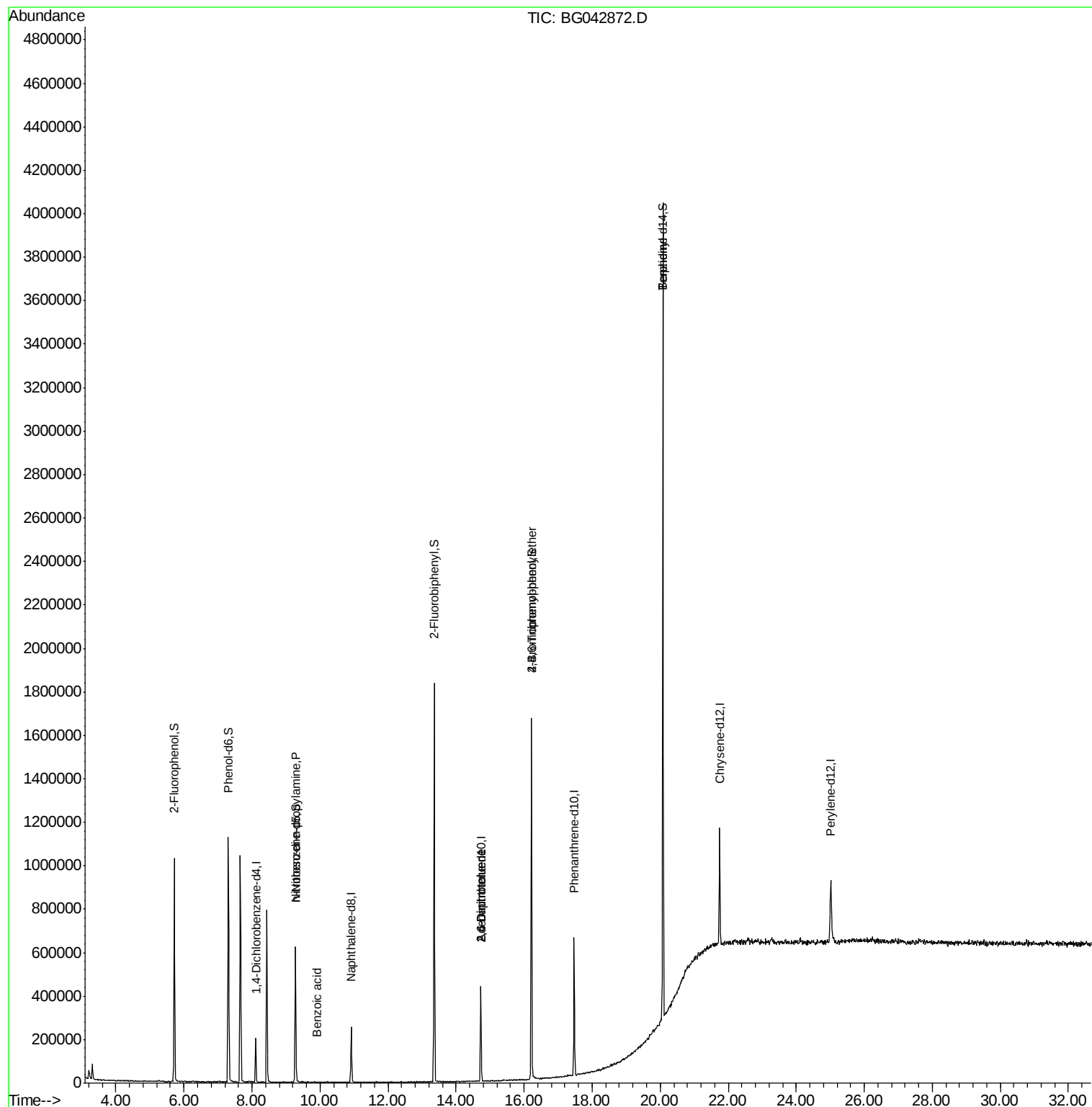
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	54386	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	209000	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	157760	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	390387	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	325326	20.00	ng	-0.01
87) Perylene-d12	25.02	264	343755	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	382212	122.18	ng	0.03
7) Phenol-d6	7.31	99	571783	127.34	ng	0.04
23) Nitrobenzene-d5	9.28	82	375573	93.56	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	335945	160.06	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	958542	96.18	ng	-0.01
79) Terphenyl-d14	20.08	244	1705648	116.20	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	53422	16.147	ng	# 71
32) Benzoic acid	9.90	122	59	5.986	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	21438	8.840	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	21438	6.632	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	21806	4.615	ng	# 1
77) Benzidine	20.08	184	32792	3.608	ng	96

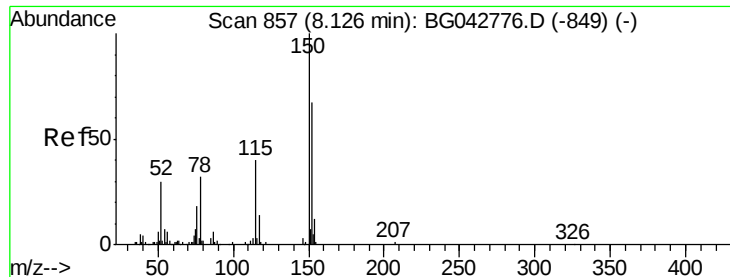
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



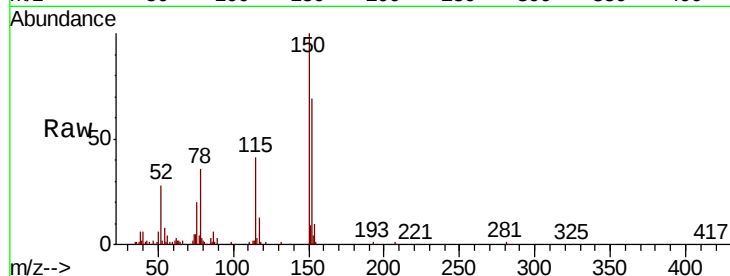


#1

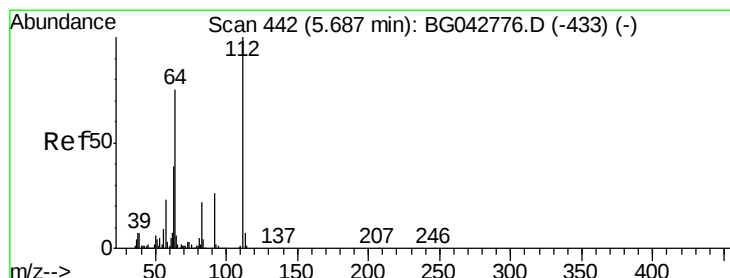
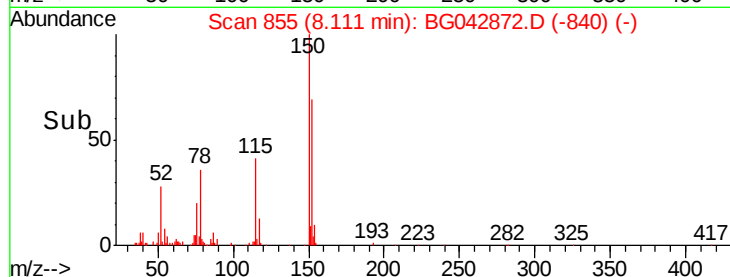
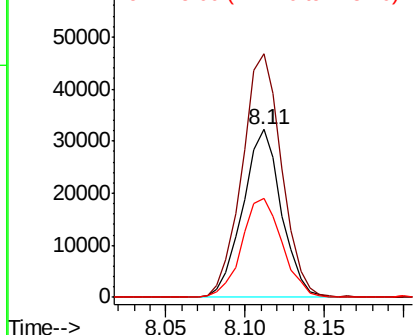
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BG042872.D
Acq: 17 Sep 2019 18:07

Instrument :
BNA_G
ClientSampleId :
PB123017BL

Tot Ion:152 Resp: 54386
Ion Ratio Lower Upper
152 100
150 145.3 118.9 178.3
115 59.3 47.4 71.2



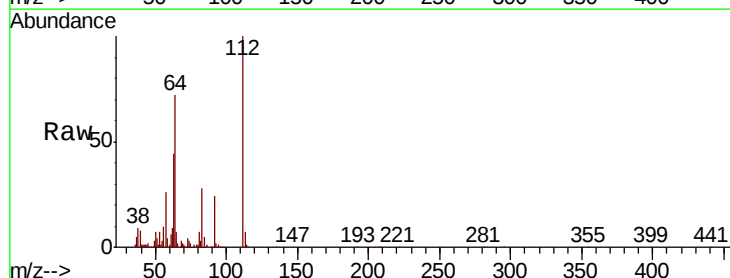
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



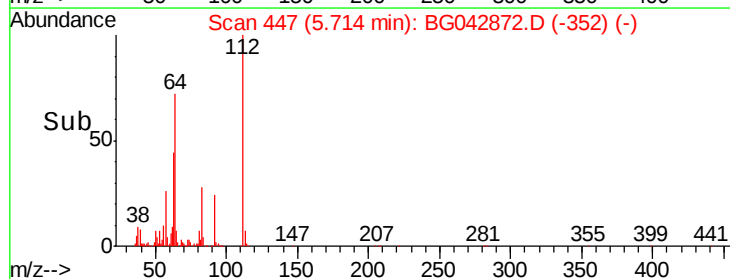
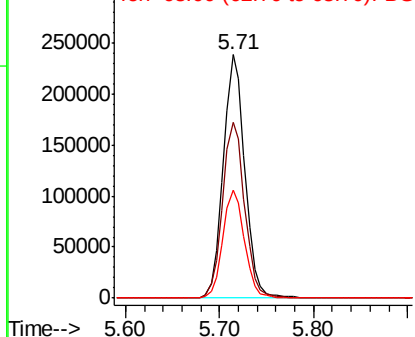
#5

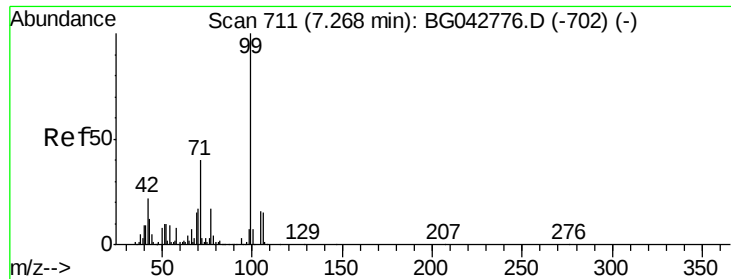
2-Fluorophenol
Concen: 122.181 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.03 min
Lab File: BG042872.D
Acq: 17 Sep 2019 18:07

Tgt Ion:112 Resp: 382212
Ion Ratio Lower Upper
112 100
64 72.4 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: 127.343 ng

RT: 7.31 min Scan# 718

Delta R.T. 0.04 min

Lab File: BG042872.D

Acq: 17 Sep 2019 18:07

Instrument :

BNA_G

ClientSampleId :

PB123017BL

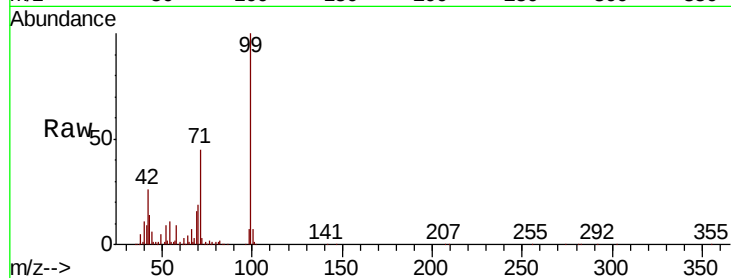
Tot Ion: 99 Resp: 571783

Ion Ratio Lower Upper

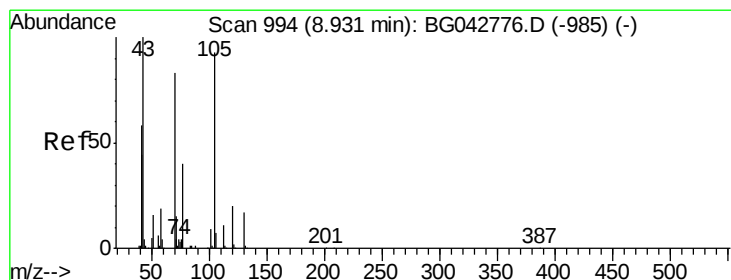
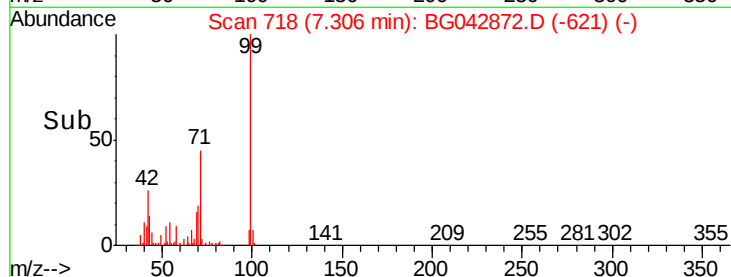
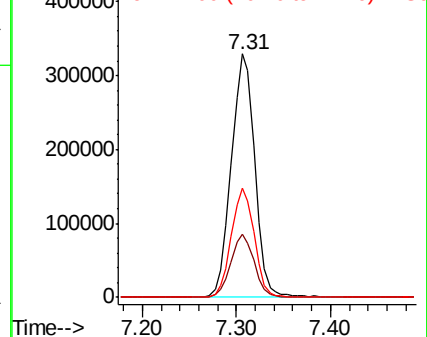
99 100

42 26.1 17.5 26.3

71 44.6 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: 16.147 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG042872.D

Acq: 17 Sep 2019 18:07

Tgt Ion: 70 Resp: 53422

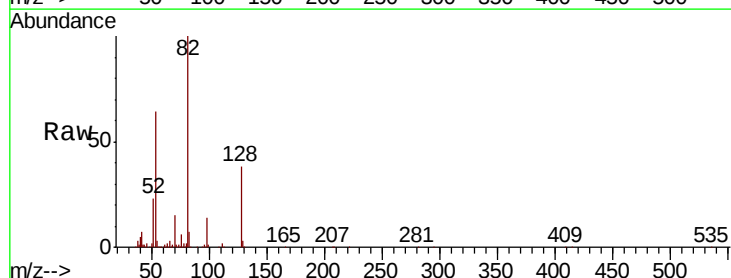
Ion Ratio Lower Upper

70 100

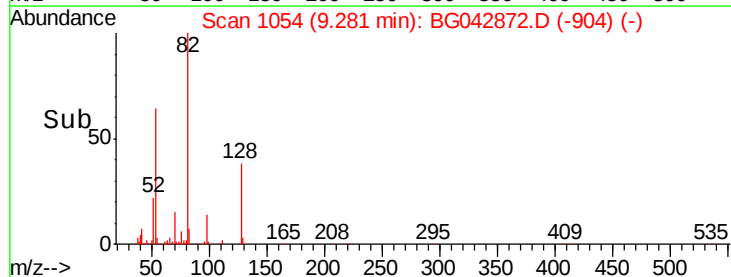
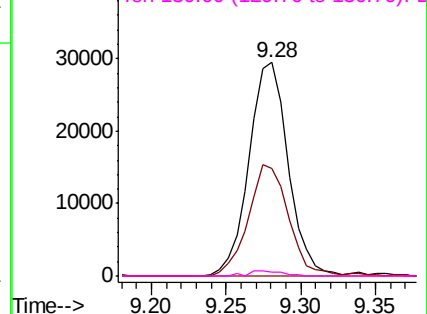
42 50.3 57.0 85.6#

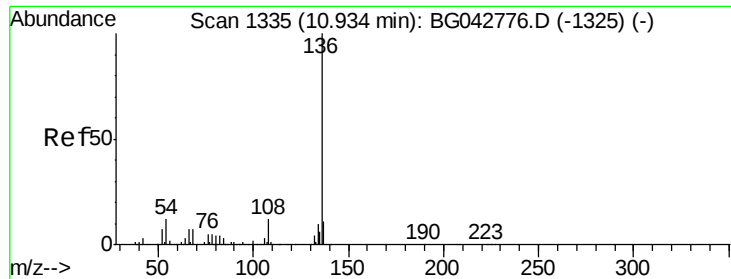
101 0.0 8.4 12.6#

130 1.5 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: 10.92 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BG042872.D

Acq: 17 Sep 2019 18:07

Instrument :

BNA_G

ClientSampleId :

PB123017BL

Tot Ion:136 Resp: 209000

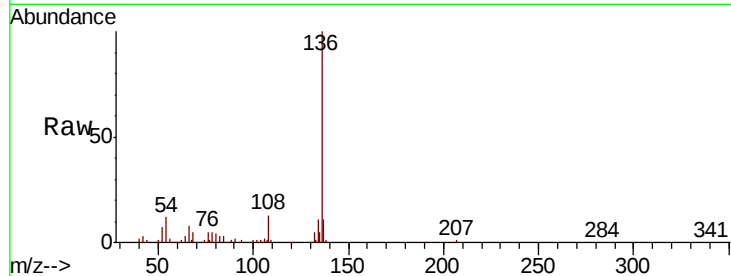
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 11.8 9.4 14.0

68 4.7 5.4 8.2#

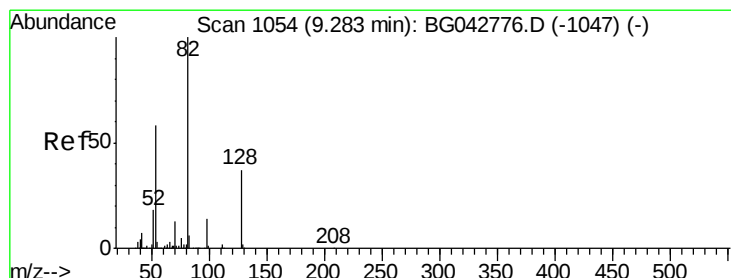
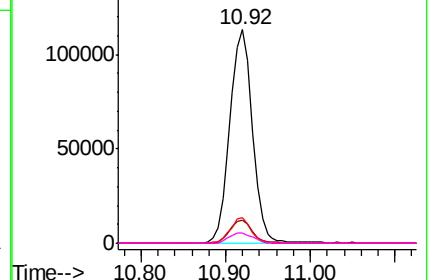
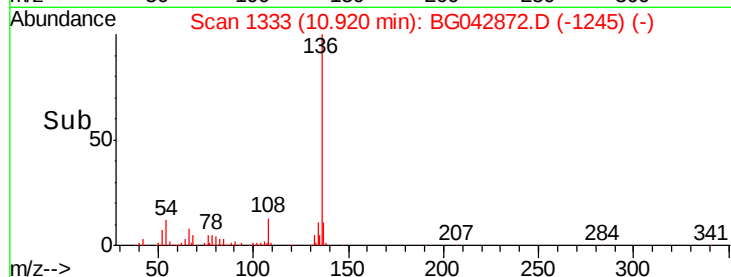


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 93.556 ng

RT: 9.28 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BG042872.D

Acq: 17 Sep 2019 18:07

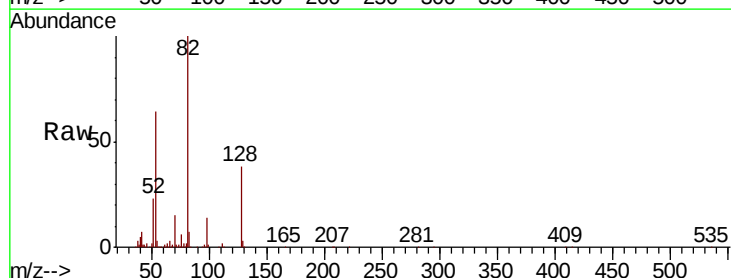
Tgt Ion: 82 Resp: 375573

Ion Ratio Lower Upper

82 100

128 38.1 29.8 44.8

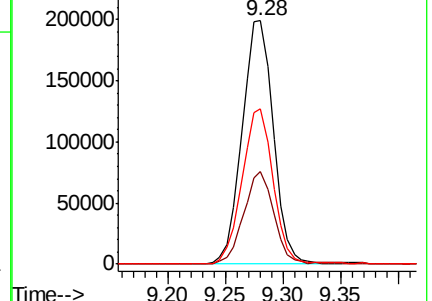
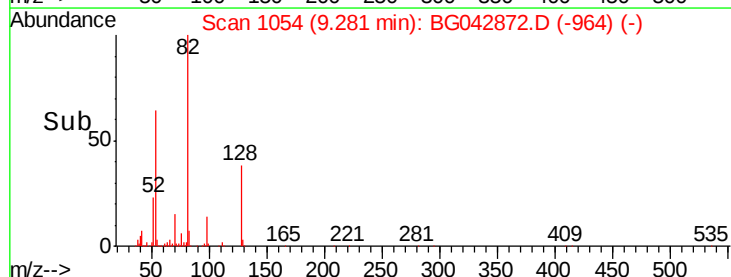
54 63.9 46.1 69.1

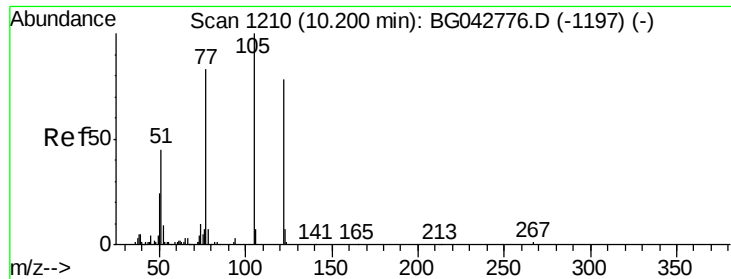


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

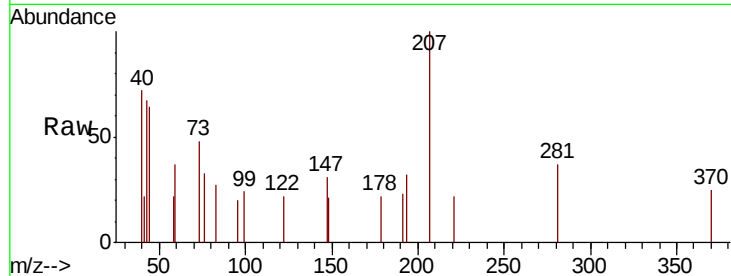




#32
Benzoic acid
Concen: 5.986 ng
RT: 9.90 min Scan# 1160
Delta R.T. -0.30 min
Lab File: BG042872.D
Acq: 17 Sep 2019 18:07

Instrument :
BNA_G
ClientSampleId :
PB123017BL

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

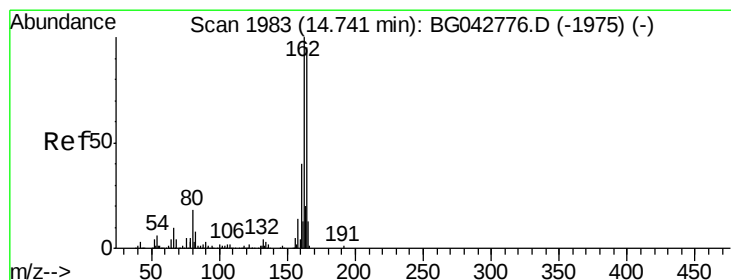
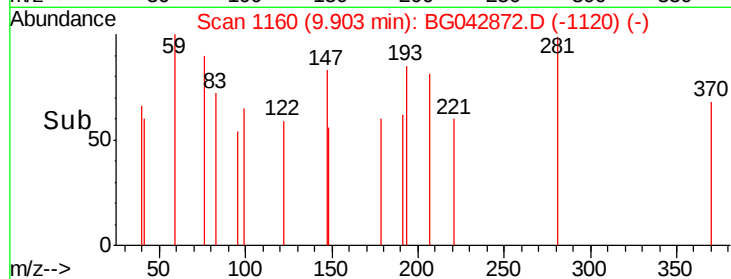
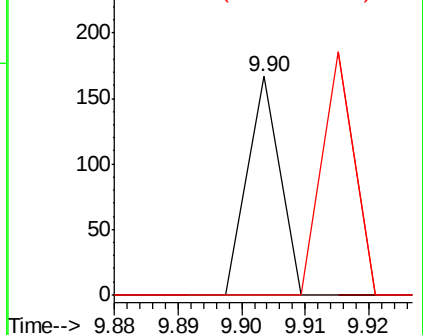


Abundance

Ion 122.00 (121.70 to 122.70): E

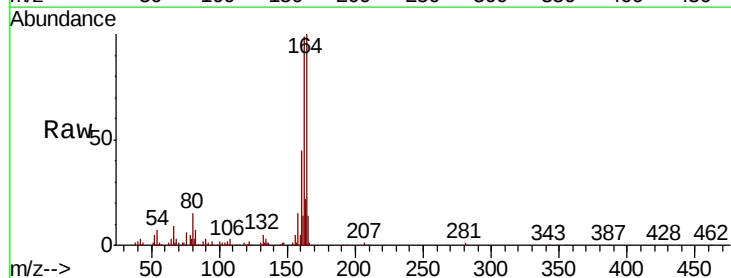
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG042872.D
Acq: 17 Sep 2019 18:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.5	84.6	126.8
160	45.2	34.2	51.2

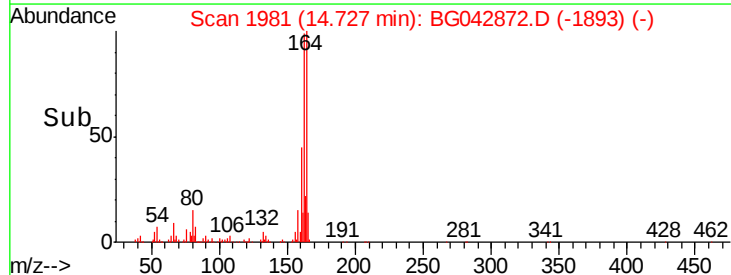
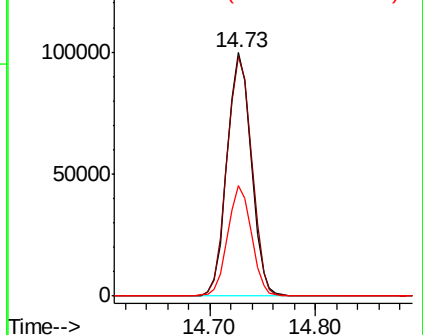


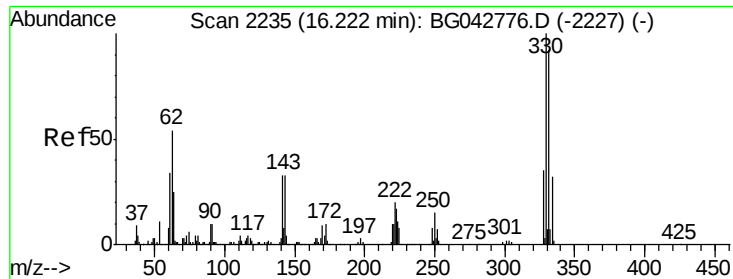
Abundance

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

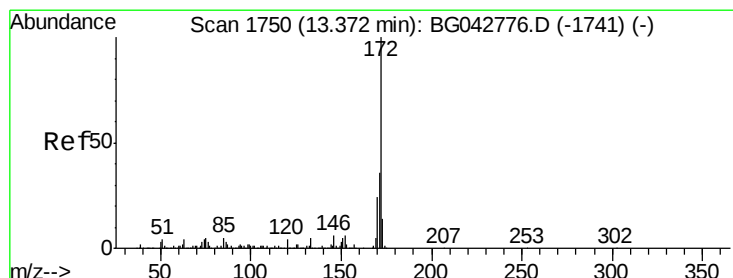
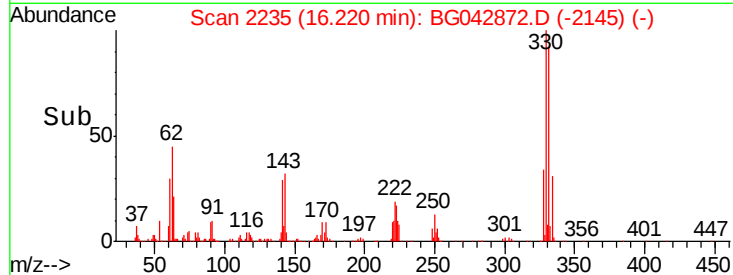
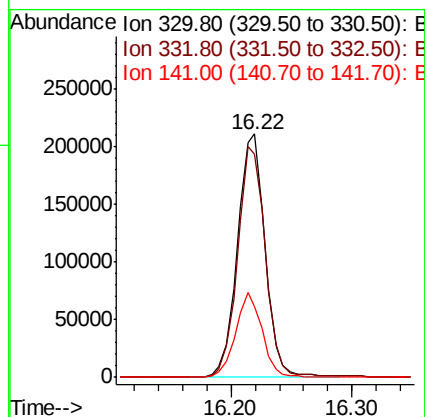
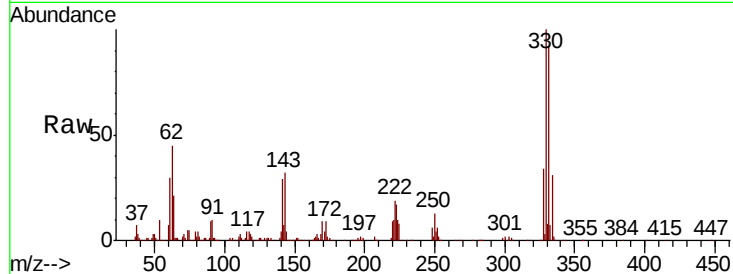




#42
 2,4,6-Tribromophenol
 Concen: 160.060 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042872.D
 Acq: 17 Sep 2019 18:07

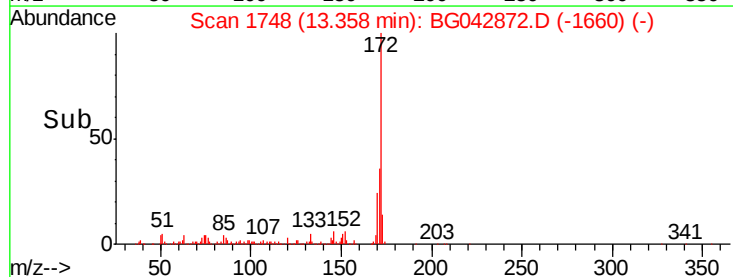
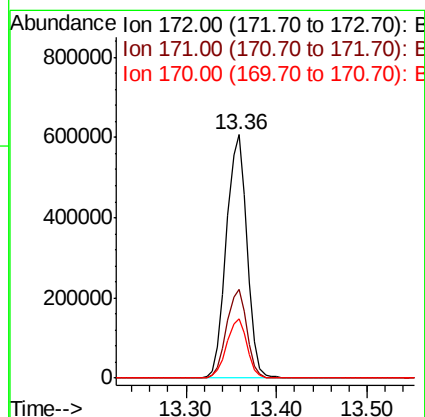
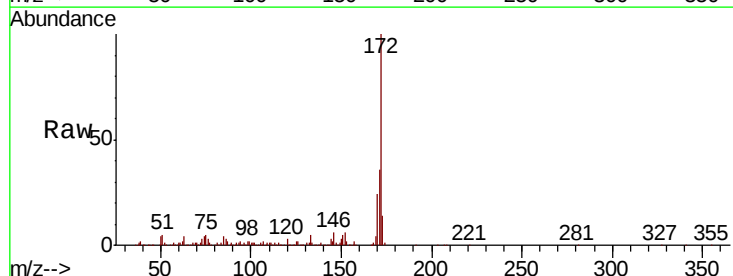
Instrument :
 BNA_G
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 PB123017BL

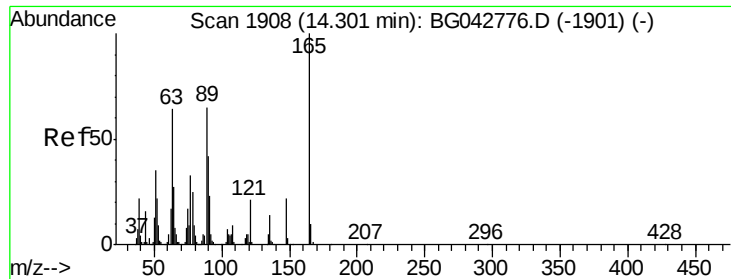
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.7	115.1
141	33.6	27.0	40.6



#45
 2-Fluorobiphenyl
 Concen: 96.178 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BG042872.D
 Acq: 17 Sep 2019 18:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	24.5	19.1	28.7





#51

2,6-Dinitrotoluene

Concen: 8.840 ng

RT: 14.73 min Scan# 1981

Delta R.T. 0.43 min

Lab File: BG042872.D

Acq: 17 Sep 2019 18:07

Instrument :

BNA_G

ClientSampleId :

PB123017BL

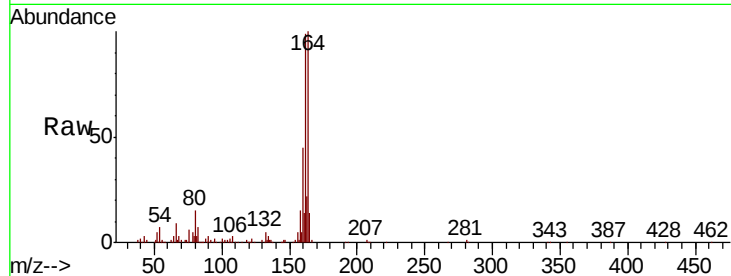
Tot Ion:165 Resp: 21438

Ion Ratio Lower Upper

165 100

63 1.8 52.1 78.1#

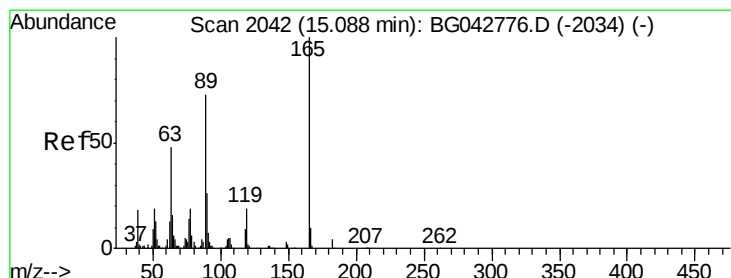
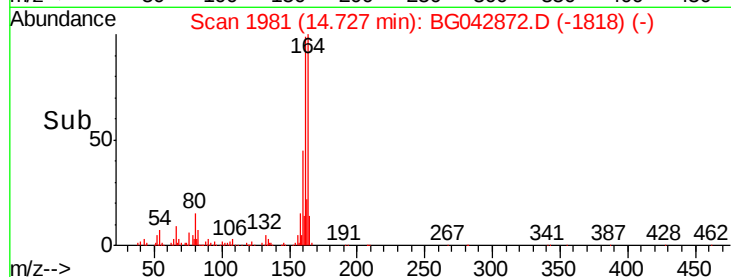
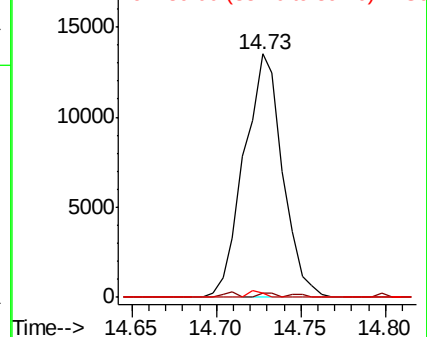
89 1.9 51.7 77.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.632 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.36 min

Lab File: BG042872.D

Acq: 17 Sep 2019 18:07

Tgt Ion:165 Resp: 21438

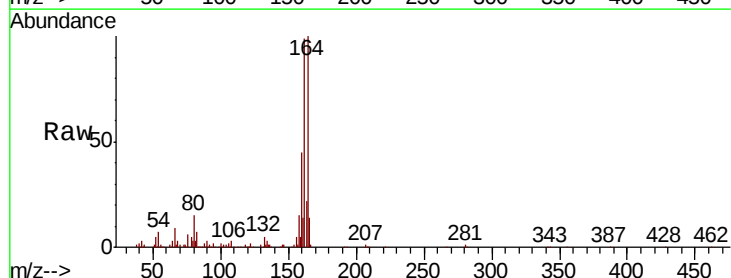
Ion Ratio Lower Upper

165 100

63 1.8 38.3 57.5#

89 1.9 58.4 87.6#

182 0.0 2.9 4.3#

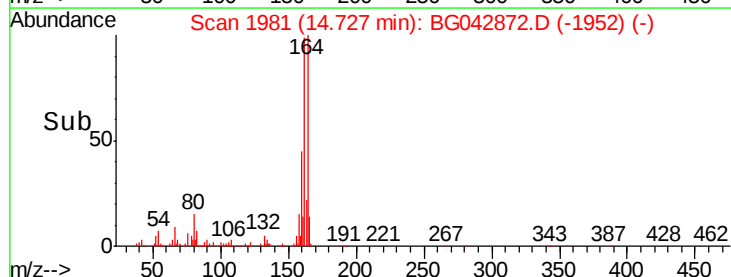
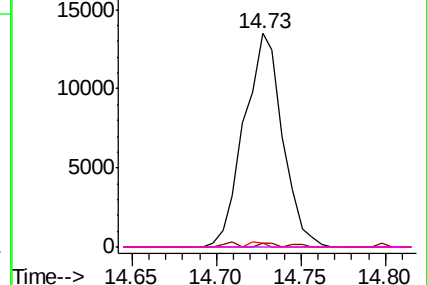


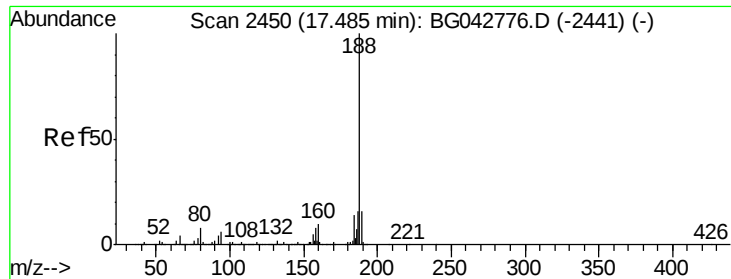
Abundance Ion 165.00 (164.70 to 165.70): E

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

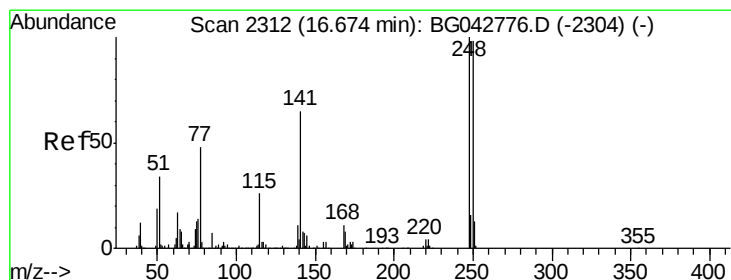
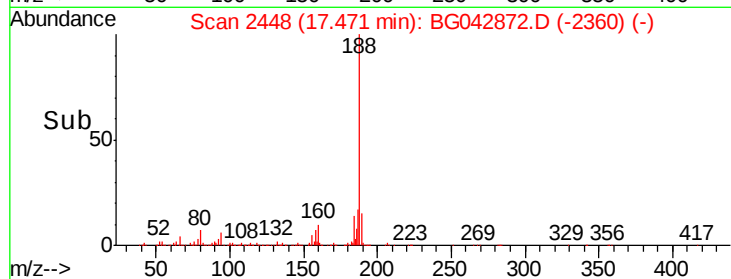
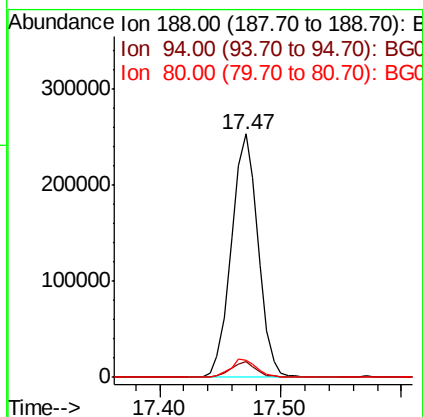
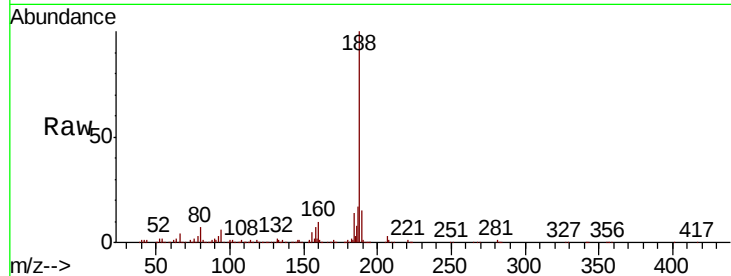




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BG042872.D
 Acq: 17 Sep 2019 18:07

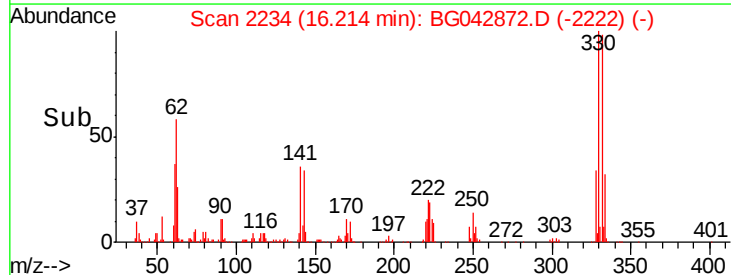
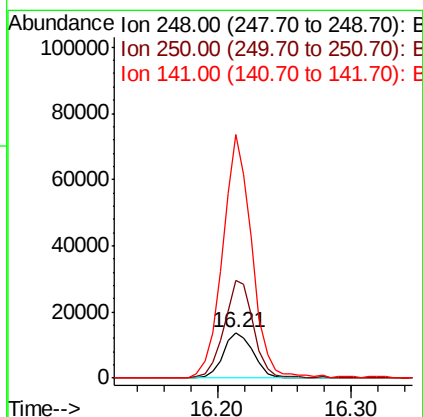
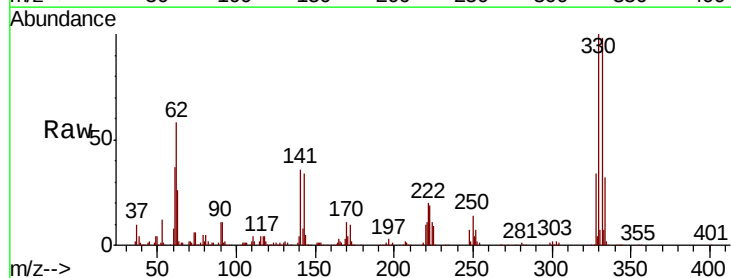
Instrument :
 BNA_G
 ClientSampleId :
 PB123017BL

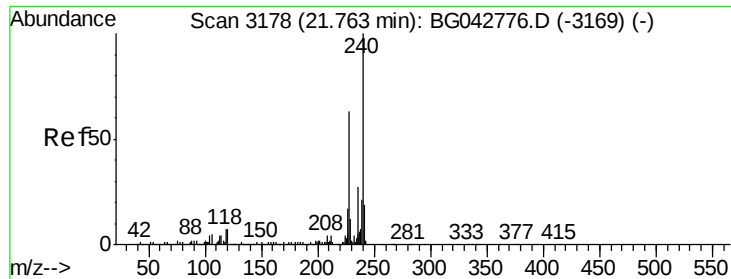
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.5	4.8	7.2
80	7.0	6.6	9.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.615 ng
 RT: 16.21 min Scan# 2234
 Delta R.T. -0.46 min
 Lab File: BG042872.D
 Acq: 17 Sep 2019 18:07

Tgt Ion	Ratio	Lower	Upper
248	100		
250	212.9	78.0	117.0#
141	533.8	51.8	77.6#

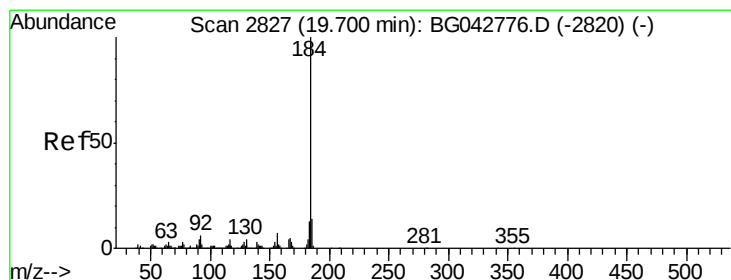
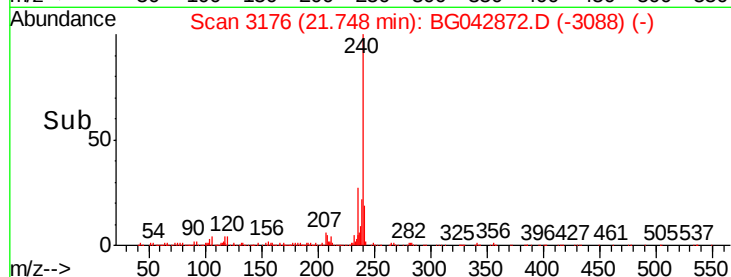
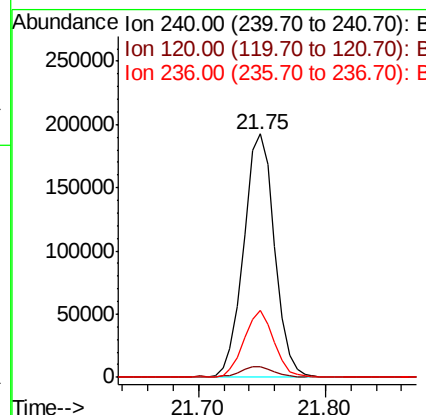
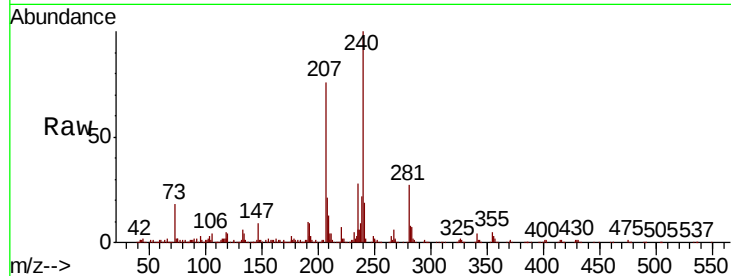




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.01 min
 Lab File: BG042872.D
 Acq: 17 Sep 2019 18:07

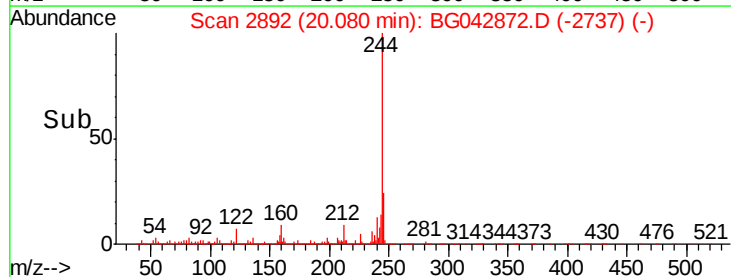
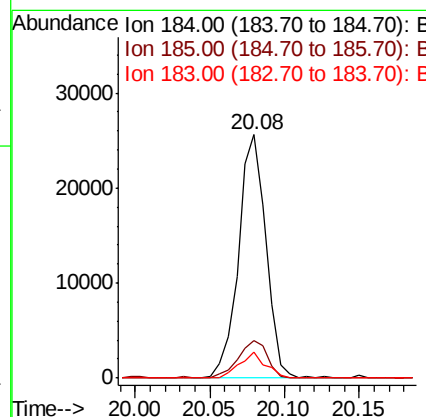
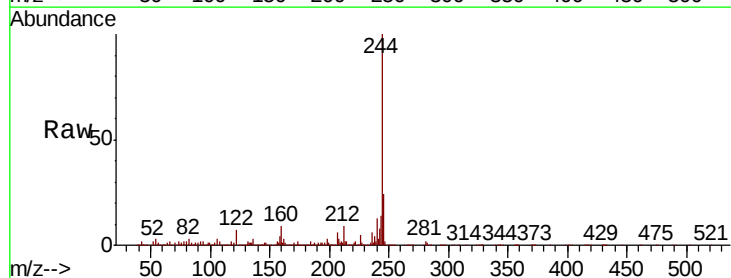
Instrument :
 BNA_G
 ClientSampleId :
 PB123017BL

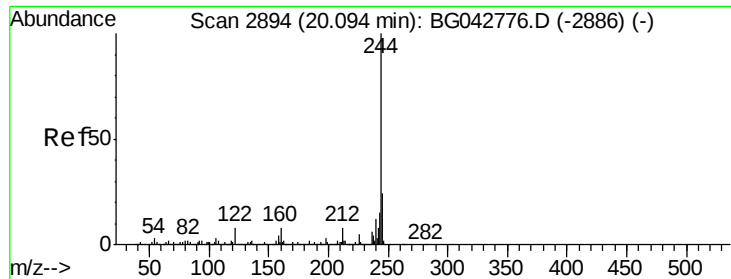
Tot Ion:240 Resp: 325326
 Ion Ratio Lower Upper
 240 100
 120 4.5 5.4 8.2#
 236 27.6 21.7 32.5



#77
 Benzidine
 Concen: 3.608 ng
 RT: 20.08 min Scan# 2892
 Delta R.T. 0.38 min
 Lab File: BG042872.D
 Acq: 17 Sep 2019 18:07

Tgt Ion:184 Resp: 32792
 Ion Ratio Lower Upper
 184 100
 185 15.2 11.6 17.4
 183 10.7 10.4 15.6





#79

Terphenyl-d14

Concen: 116.197 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042872.D

Acq: 17 Sep 2019 18:07

Instrument :

BNA_G

ClientSampleId :

PB123017BL

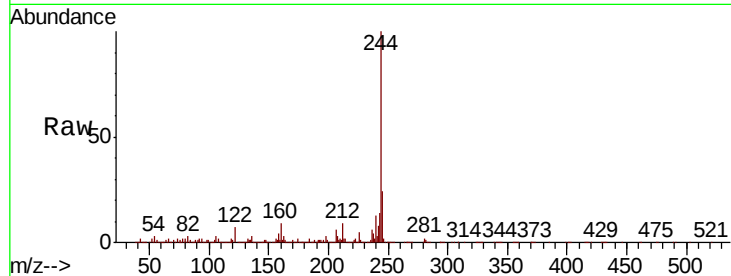
Tot Ion:244 Resp: 1705648

Ion Ratio Lower Upper

244 100

212 9.0 6.6 10.0

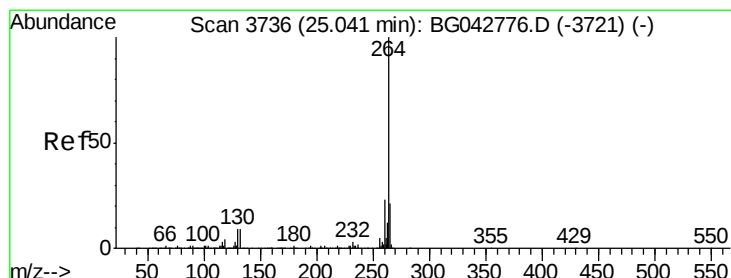
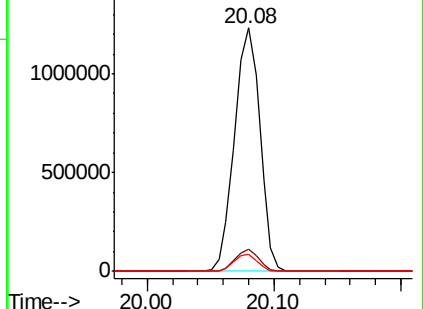
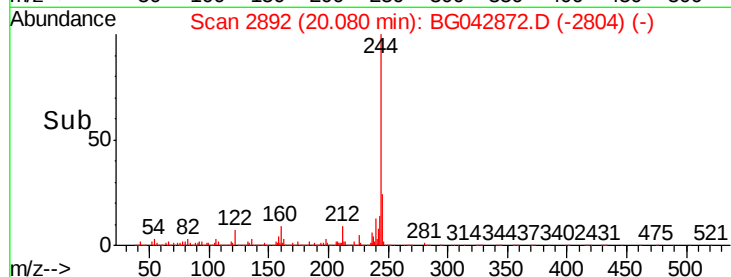
122 7.0 6.2 9.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

Delta R.T. -0.03 min

Lab File: BG042872.D

Acq: 17 Sep 2019 18:07

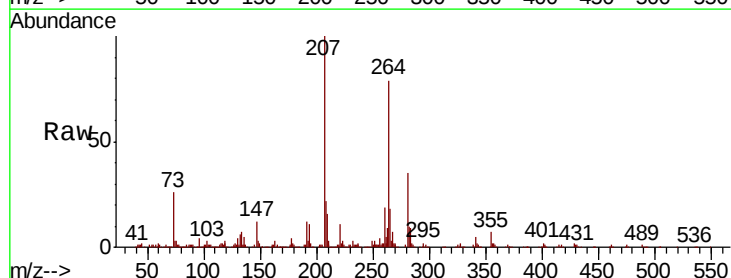
Tgt Ion:264 Resp: 343755

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

265 23.0 16.9 25.3



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

