

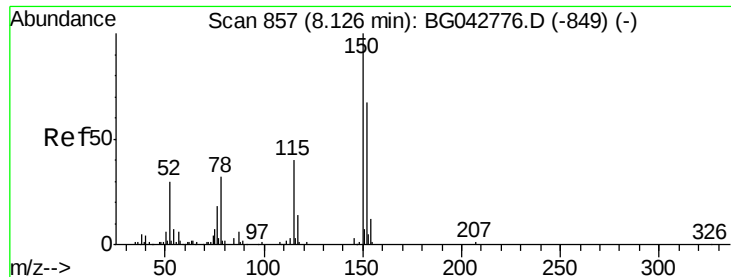
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042879.D
 Acq On : 17 Sep 2019 22:34
 Operator : HP/JU
 Sample : K4859-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-GW507-K-091119

Quant Time: Sep 18 01:53:52 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	52331	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	205246	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	161167	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	395284	20.00	ng	-0.02
76) Chrysene-d12	21.74	240	352379	20.00	ng	-0.02
87) Perylene-d12	25.01	264	343246	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	202148	67.16	ng	0.02
7) Phenol-d6	7.29	99	198103	45.85	ng	0.02
23) Nitrobenzene-d5	9.27	82	439262	111.42	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	390648	182.19	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1083435	106.41	ng	-0.02
79) Terphenyl-d14	20.08	244	1889584	118.84	ng	-0.02
Target Compounds						
10) Phenol	7.32	94	12849	2.900	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	9.27	70	63245	19.866	ng	# 75
27) 2,4-Dimethylphenol	10.23	122	29150	10.127	ng	# 1
31) Naphthalene	10.96	128	34318	3.387	ng	97
32) Benzoic acid	10.23	122	29150	16.930	ng	92
50) Dimethylphthalate	14.18	163	51182	4.239	ng	99
53) 3-Nitroaniline	14.12	138	8766	3.153	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	22001	6.663	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	27110	5.666	ng	# 1
77) Benzidine	20.08	184	35084	3.564	ng	# 92

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

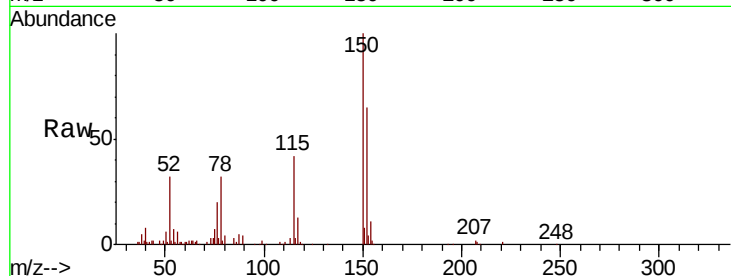


#1

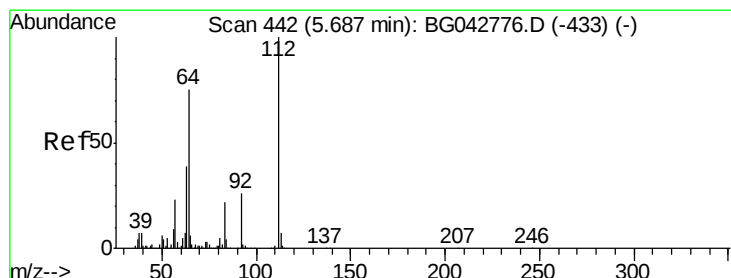
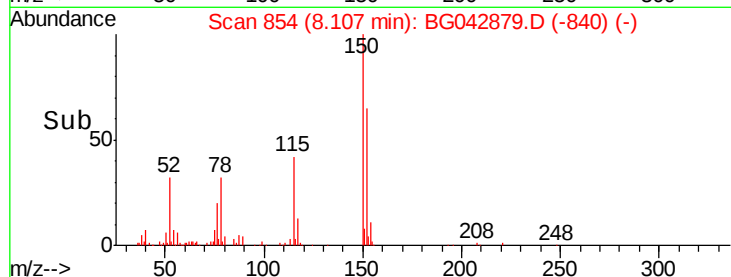
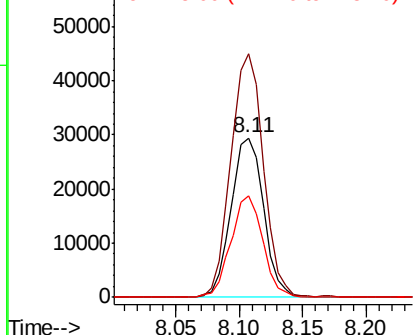
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG042879.D
Acq: 17 Sep 2019 22:34

Instrument :
BNA_G
ClientSampleId :
IDW-GW507-K-091119

Tot Ion:152 Resp: 52331
Ion Ratio Lower Upper
152 100
150 152.7 118.9 178.3
115 63.5 47.4 71.2



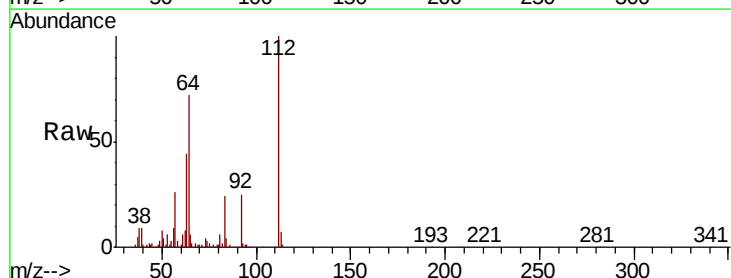
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



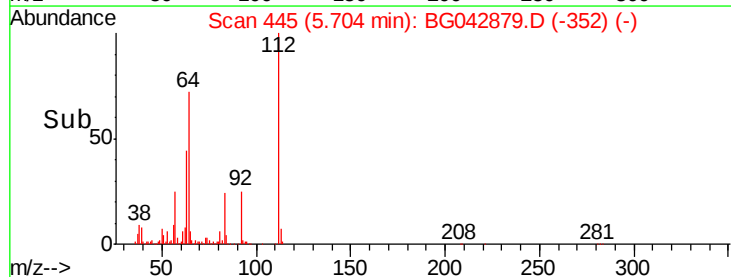
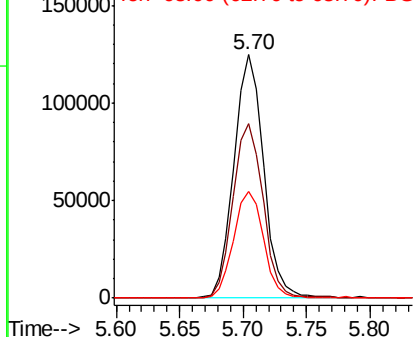
#5

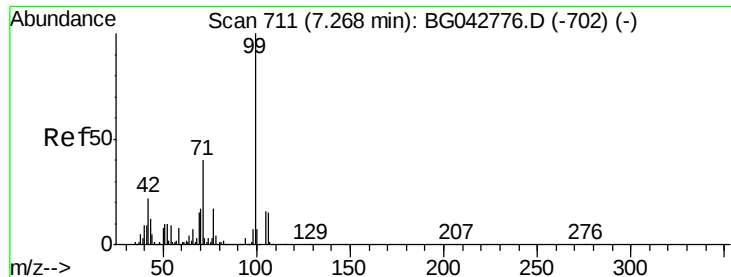
2-Fluorophenol
Concen: 67.158 ng
RT: 5.70 min Scan# 445
Delta R.T. 0.02 min
Lab File: BG042879.D
Acq: 17 Sep 2019 22:34

Tgt Ion:112 Resp: 202148
Ion Ratio Lower Upper
112 100
64 71.9 60.2 90.2
63 43.7 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: 45.853 ng

RT: 7.29 min Scan# 715

Delta R.T. 0.02 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

Instrument :

BNA_G

ClientSampleId :

IDW-GW507-K-091119

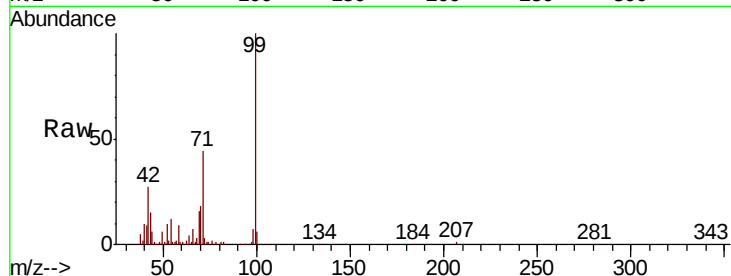
Tot Ion: 99 Resp: 198103

Ion Ratio Lower Upper

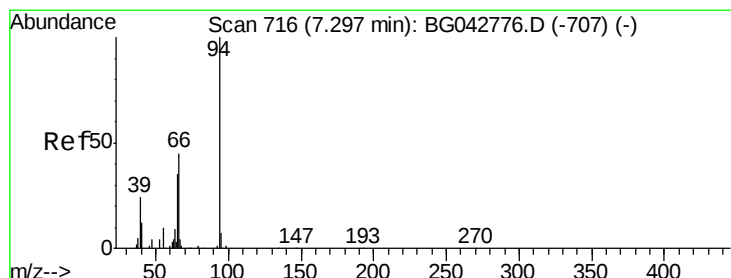
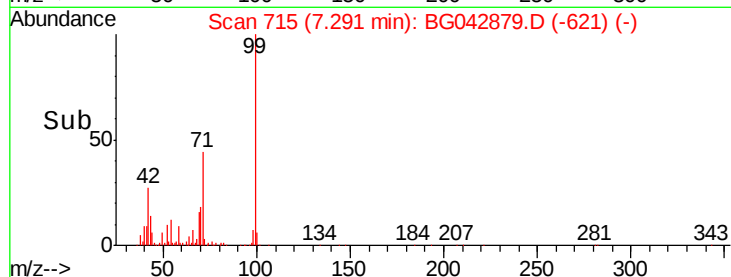
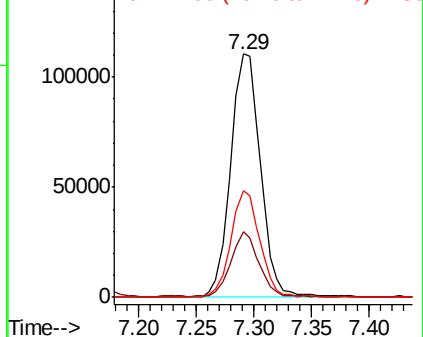
99 100

42 26.9 17.5 26.3#

71 43.7 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



#10

Phenol

Concen: 2.900 ng

RT: 7.32 min Scan# 720

Delta R.T. 0.02 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

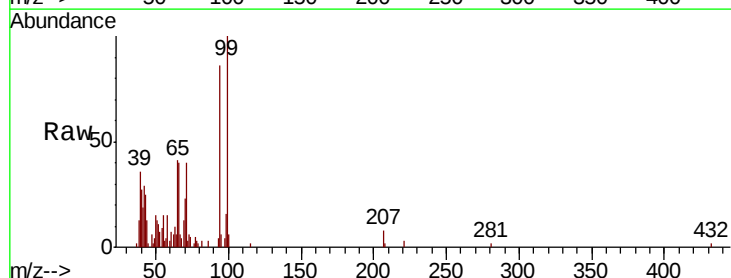
Tgt Ion: 94 Resp: 12849

Ion Ratio Lower Upper

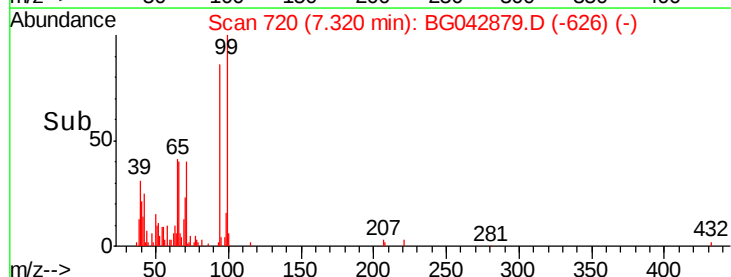
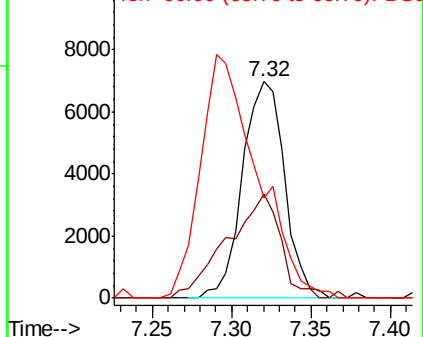
94 100

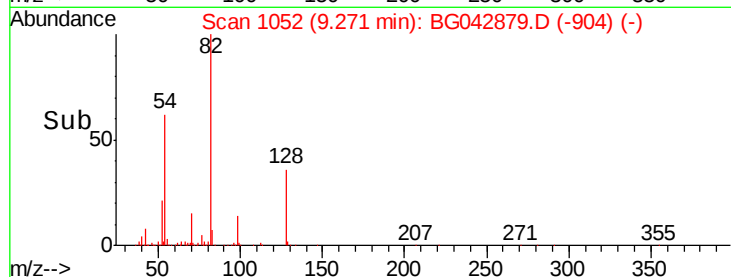
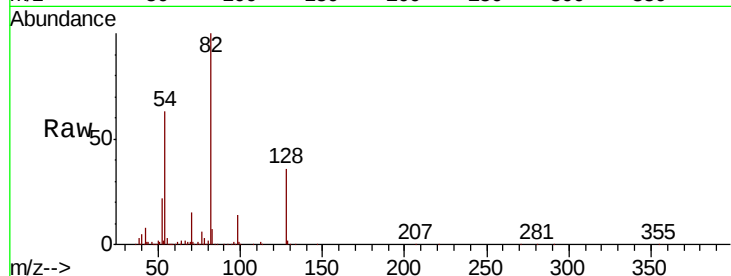
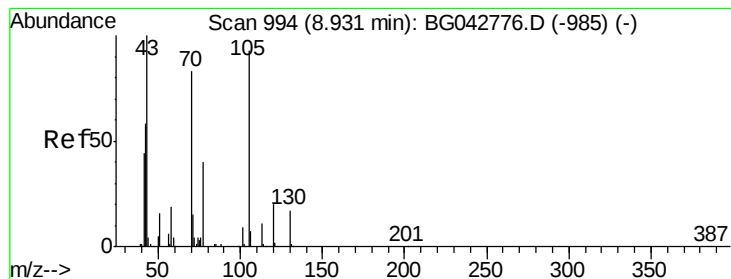
65 48.0 15.0 55.0

66 46.6 26.1 66.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 19.866 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

Instrument :

BNA_G

ClientSampleId :

IDW-GW507-K-091119

Tot Ion: 70 Resp: 63245

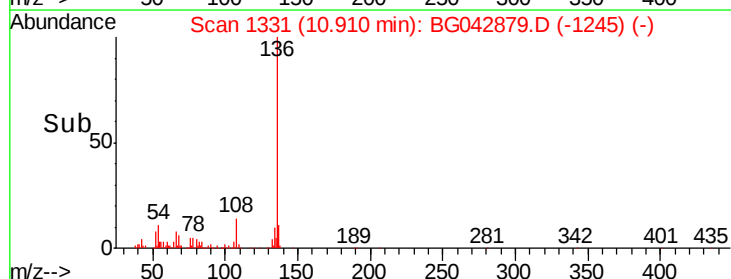
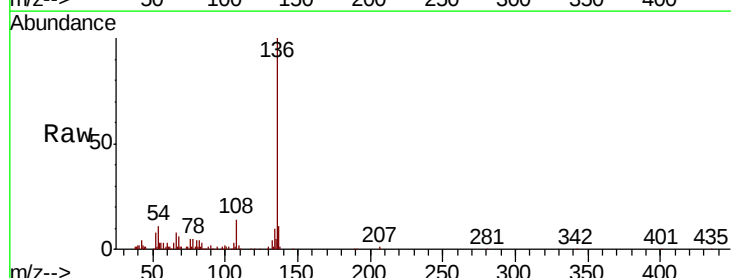
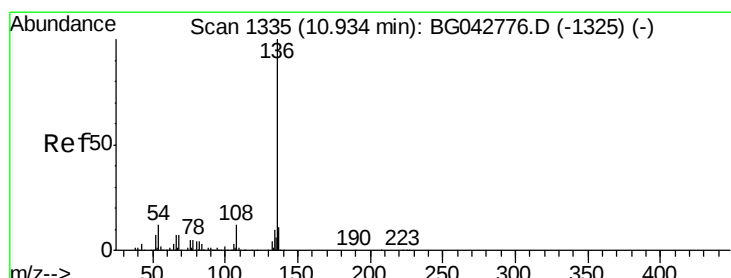
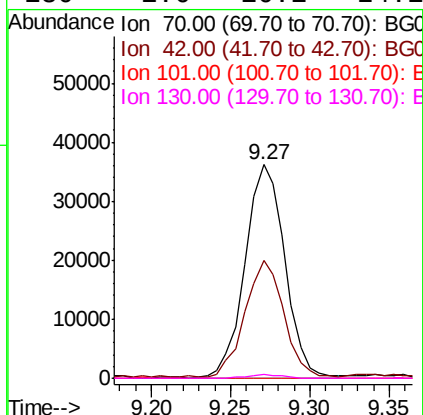
Ion Ratio Lower Upper

70 100

42 54.9 57.0 85.6#

101 0.0 8.4 12.6#

130 1.6 16.1 24.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

Tgt Ion: 136 Resp: 205246

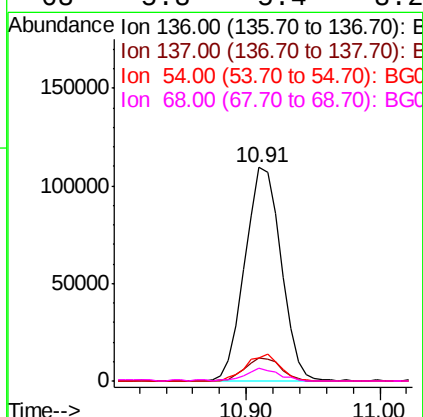
Ion Ratio Lower Upper

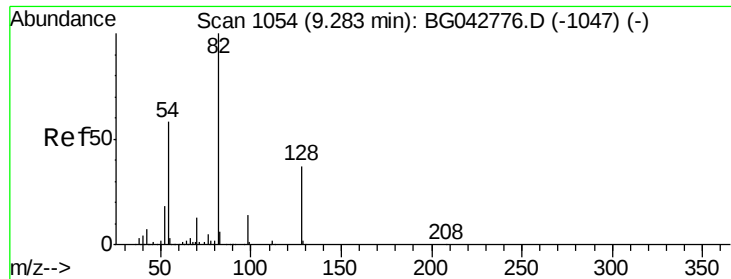
136 100

137 10.6 9.0 13.6

54 10.8 9.4 14.0

68 5.8 5.4 8.2





#23

Nitrobenzene-d5

Concen: 111.423 ng

RT: 9.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

Instrument :

BNA_G

ClientSampleId :

IDW-GW507-K-091119

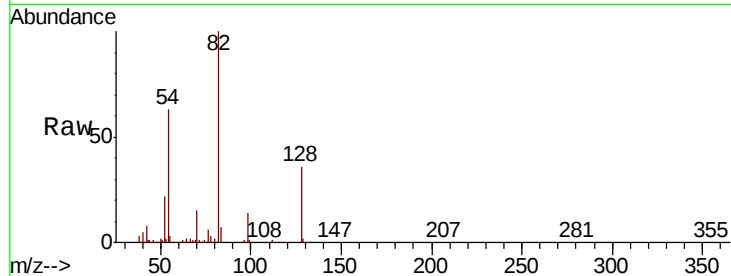
Tot Ion: 82 Resp: 439262

Ion Ratio Lower Upper

82 100

128 35.6 29.8 44.8

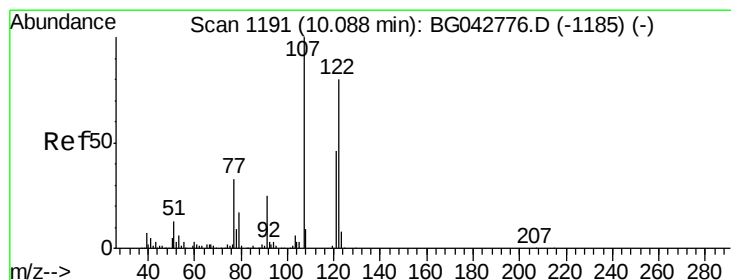
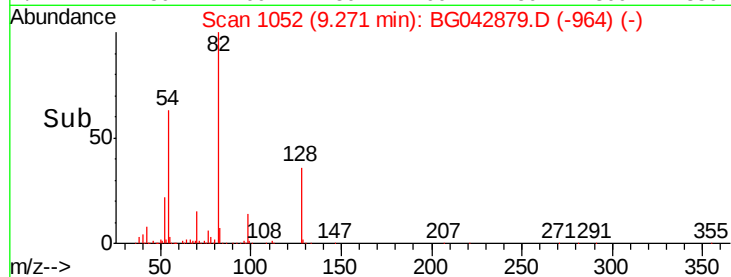
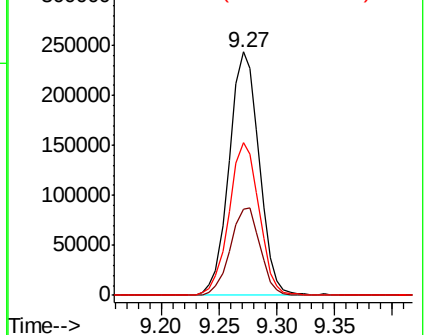
54 62.6 46.1 69.1



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



#27

2,4-Dimethylphenol

Concen: 10.127 ng

RT: 10.23 min Scan# 1215

Delta R.T. 0.14 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

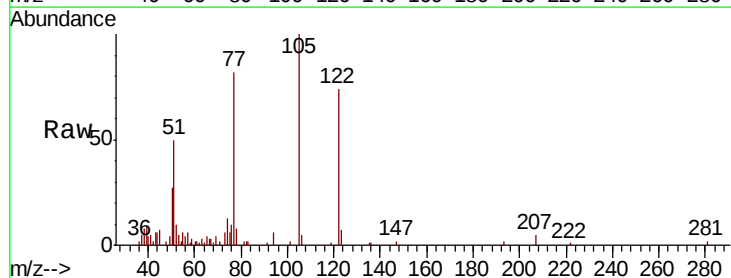
Tgt Ion: 122 Resp: 29150

Ion Ratio Lower Upper

122 100

107 0.0 98.9 148.3#

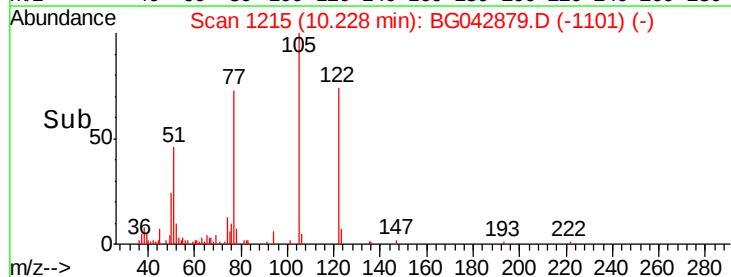
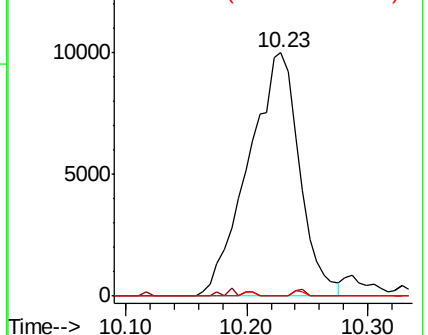
121 0.0 46.2 69.2#

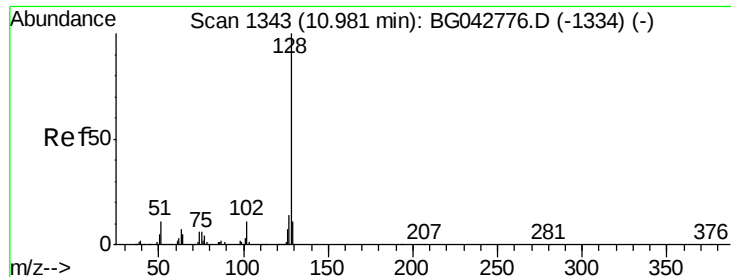


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 107.00 (106.70 to 107.70): BGC

Ion 121.00 (120.70 to 121.70): BGC

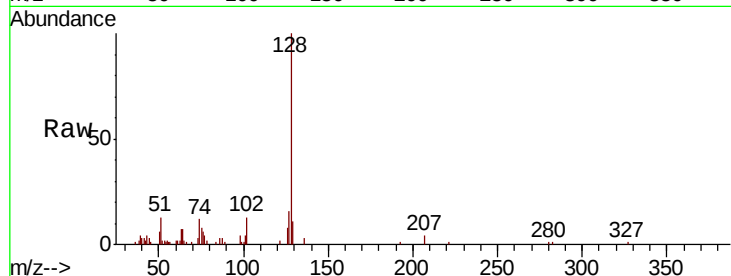




#31
Naphthalene
Concen: 3.387 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG042879.D
Acq: 17 Sep 2019 22:34

Instrument :
BNA_G
ClientSampleId :
IDW-GW507-K-091119

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	16.0	11.4	17.2

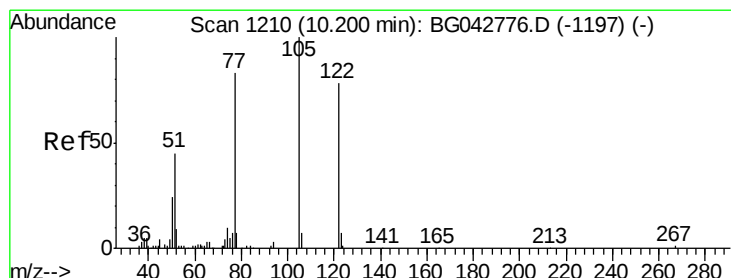
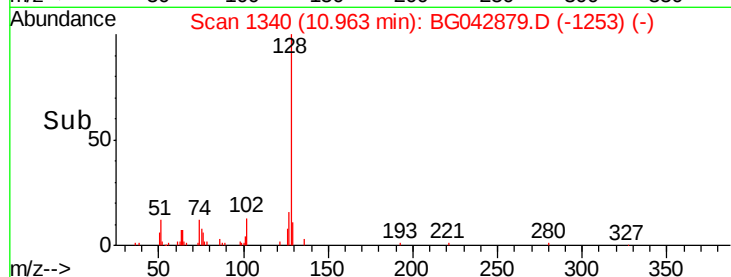
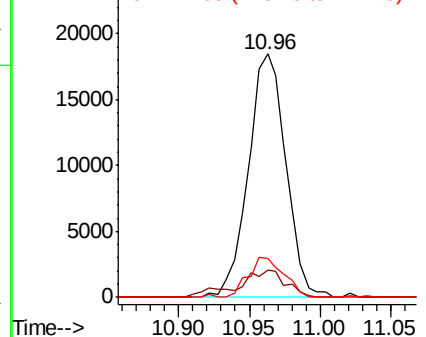


Abundance

Ion 128.00 (127.70 to 128.70): E

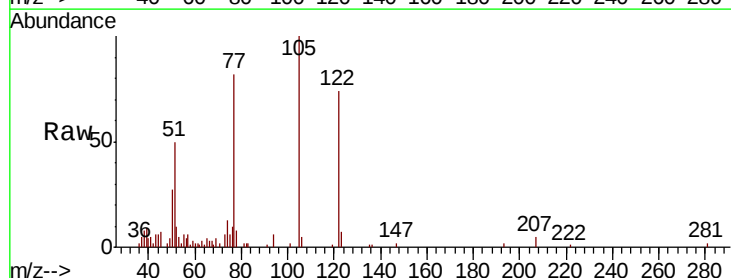
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 16.930 ng
RT: 10.23 min Scan# 1215
Delta R.T. 0.03 min
Lab File: BG042879.D
Acq: 17 Sep 2019 22:34

Tgt Ion	Ratio	Lower	Upper
122	100		
105	134.7	104.0	144.0
77	111.0	84.2	124.2

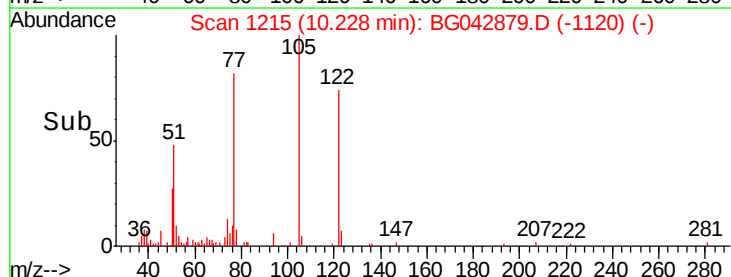
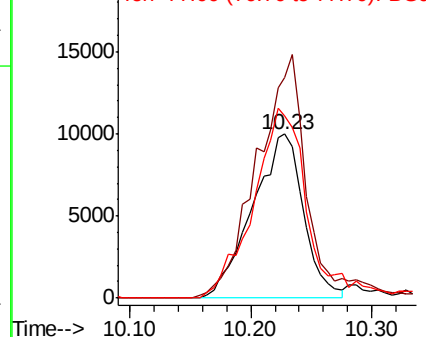


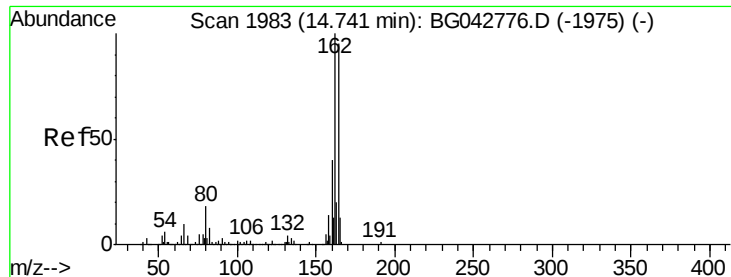
Abundance

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): BGO





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

Instrument :

BNA_G

ClientSampleId :

IDW-GW507-K-091119

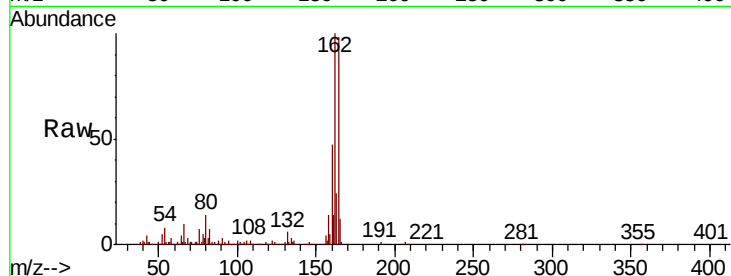
Tot Ion:164 Resp: 161167

Ion Ratio Lower Upper

164 100

162 102.0 84.6 126.8

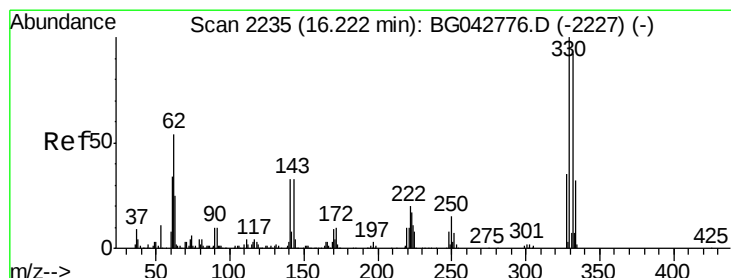
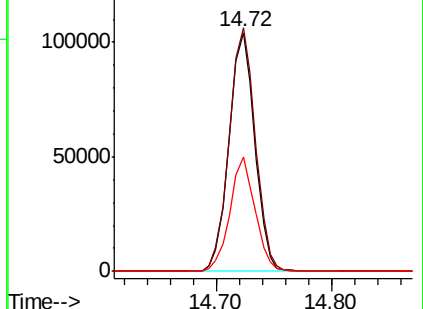
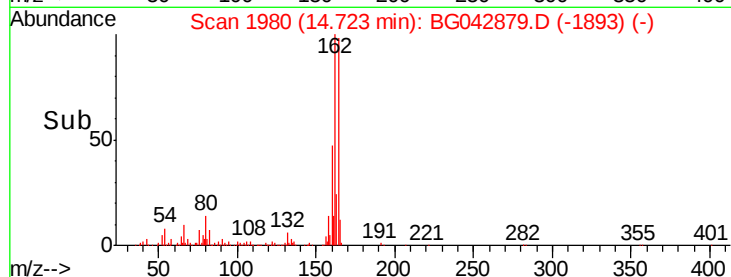
160 47.7 34.2 51.2



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: 182.188 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

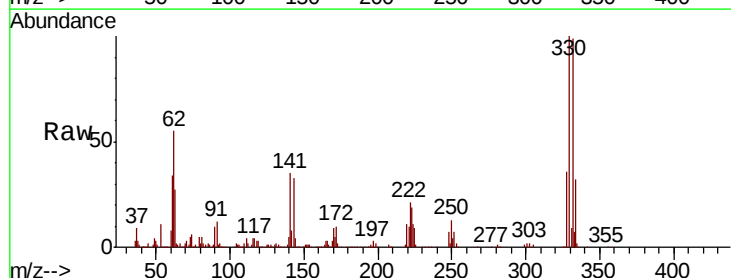
Tgt Ion:330 Resp: 390648

Ion Ratio Lower Upper

330 100

332 96.1 76.7 115.1

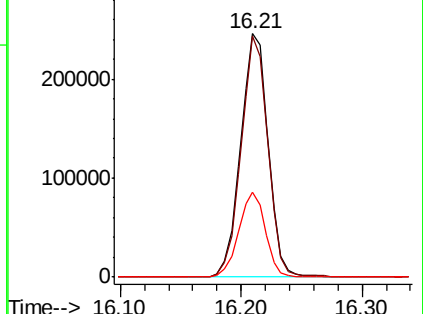
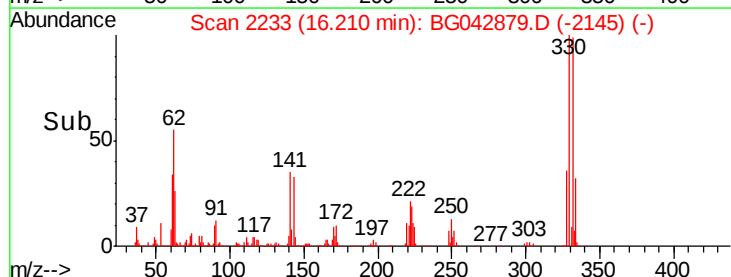
141 34.0 27.0 40.6

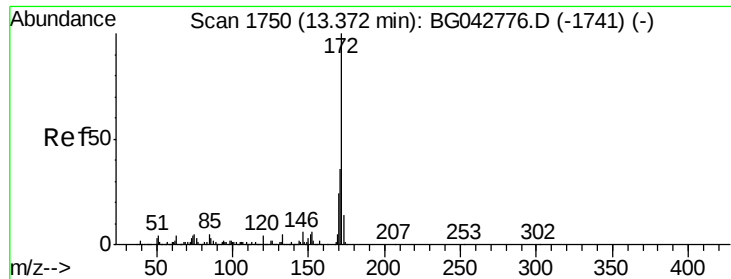


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

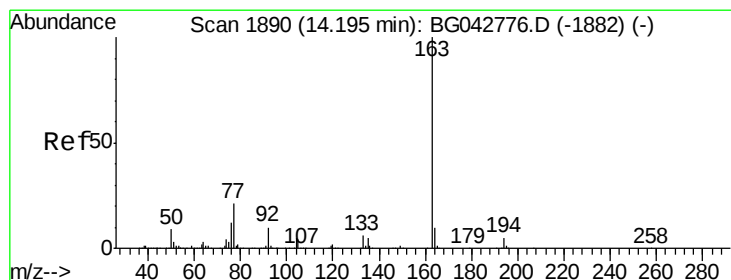
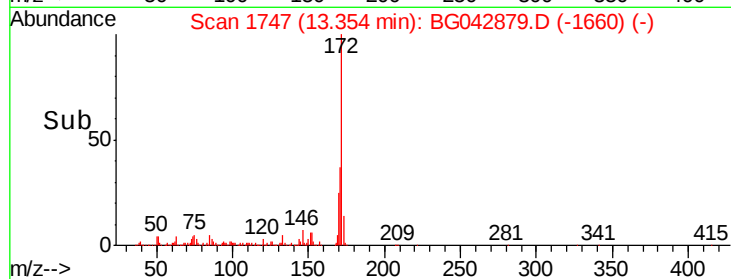
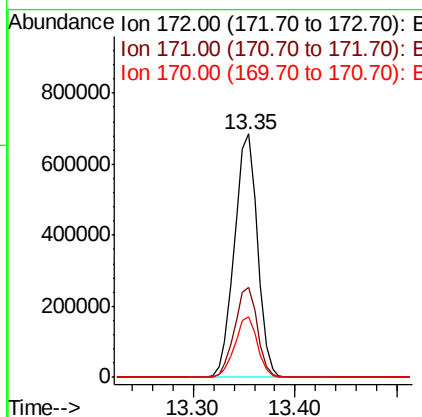
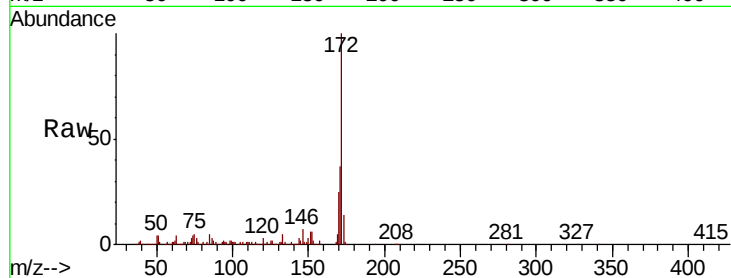




#45
2-Fluorobiphenyl
Concen: 106.412 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BG042879.D
Acq: 17 Sep 2019 22:34

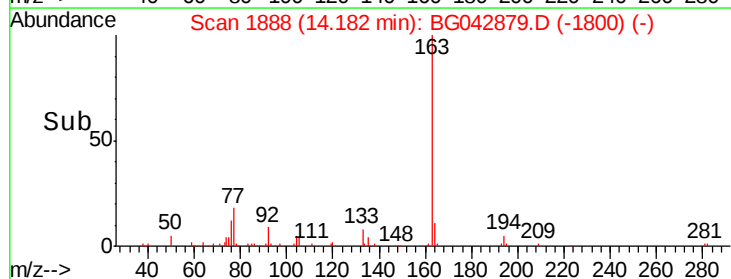
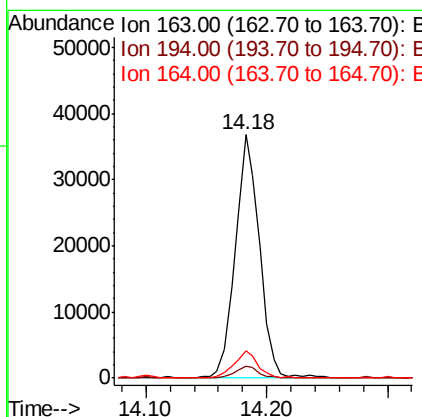
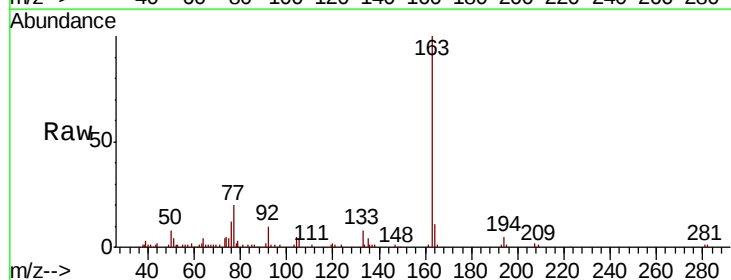
Instrument :
BNA_G
ClientSampleId :
IDW-GW507-K-091119

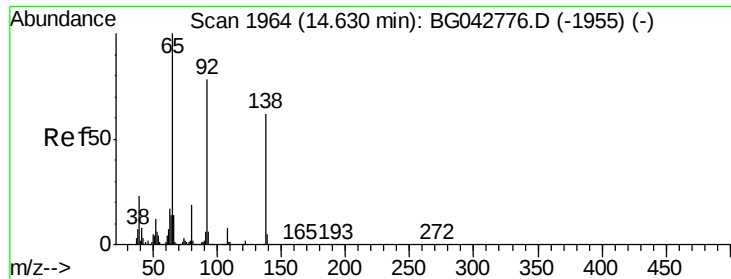
Tot Ion:172 Resp: 1083435
Ion Ratio Lower Upper
172 100
171 37.0 28.9 43.3
170 24.7 19.1 28.7



#50
Dimethylphthalate
Concen: 4.239 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BG042879.D
Acq: 17 Sep 2019 22:34

Tgt Ion:163 Resp: 51182
Ion Ratio Lower Upper
163 100
194 5.0 4.2 6.4
164 11.0 8.4 12.6

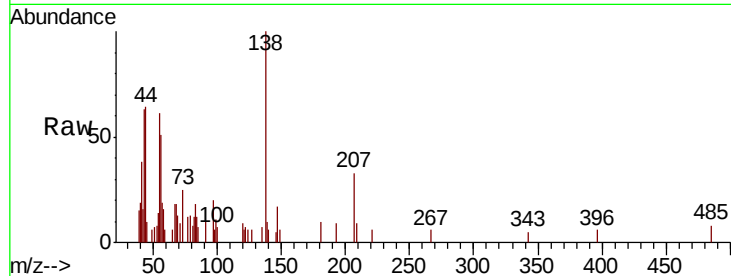




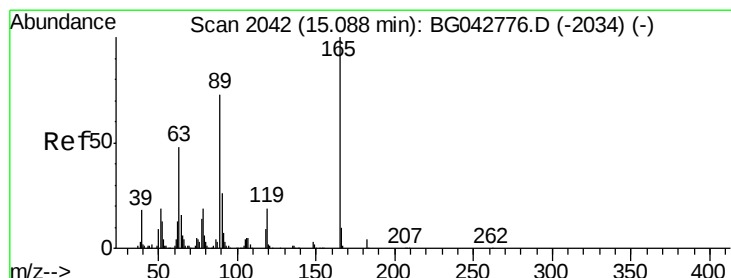
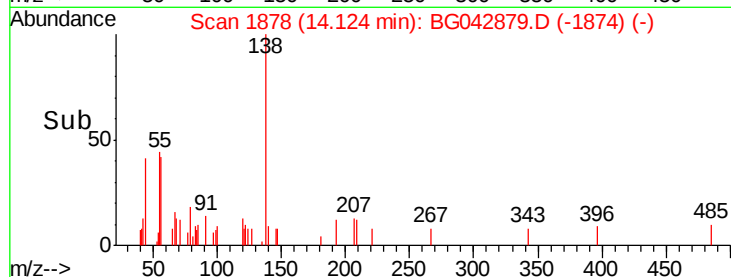
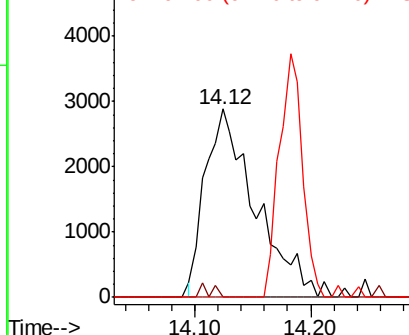
#53
3-Nitroaniline
Concen: 3.153 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.51 min
Lab File: BG042879.D
Acq: 17 Sep 2019 22:34

Instrument :
BNA_G
ClientSampleId :
IDW-GW507-K-091119

Tot Ion:138 Resp: 8766
Ion Ratio Lower Upper
138 100
108 0.0 10.7 16.1#
92 0.0 100.5 150.7#

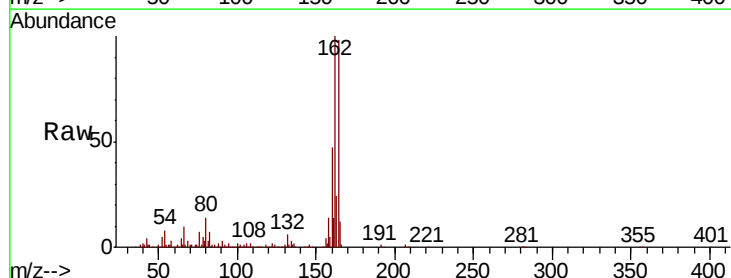


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

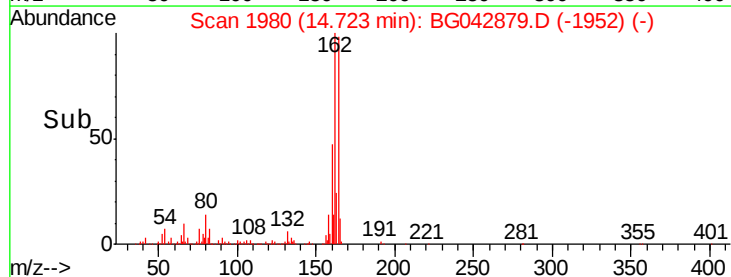
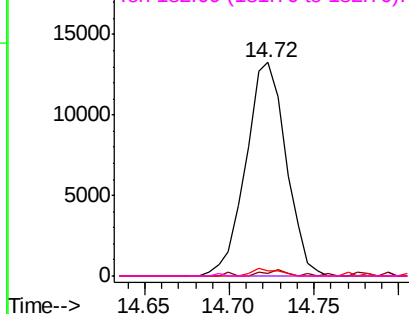


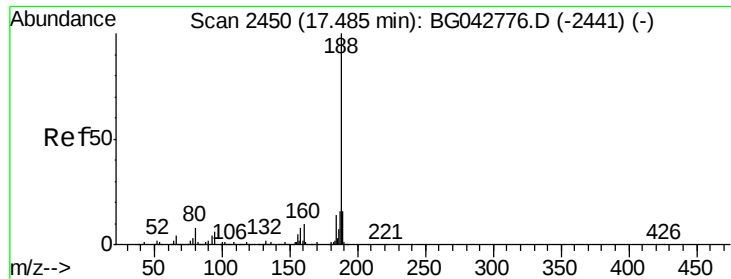
#57
2,4-Dinitrotoluene
Concen: 6.663 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.37 min
Lab File: BG042879.D
Acq: 17 Sep 2019 22:34

Tgt Ion:165 Resp: 22001
Ion Ratio Lower Upper
165 100
63 1.3 38.3 57.5#
89 2.4 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: BG042879.D

Acq: 17 Sep 2019 22:34

Instrument :

BNA_G

ClientSampleId :

IDW-GW507-K-091119

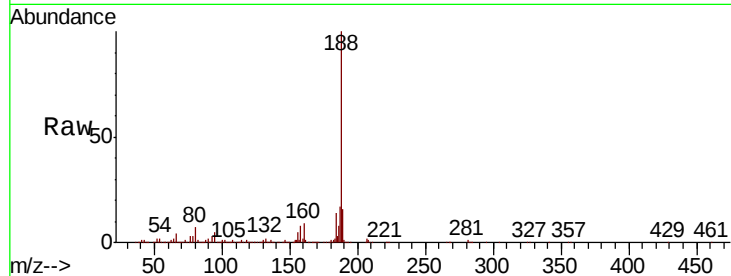
Tot Ion:188 Resp: 395284

Ion Ratio Lower Upper

188 100

94 5.5 4.8 7.2

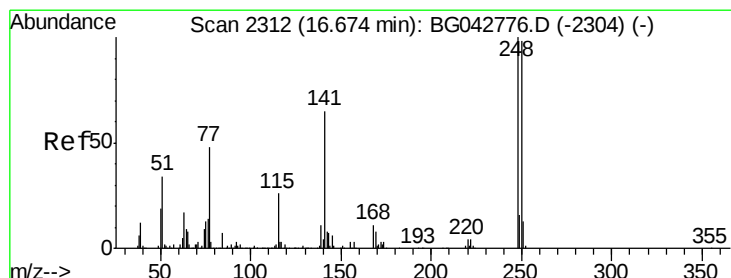
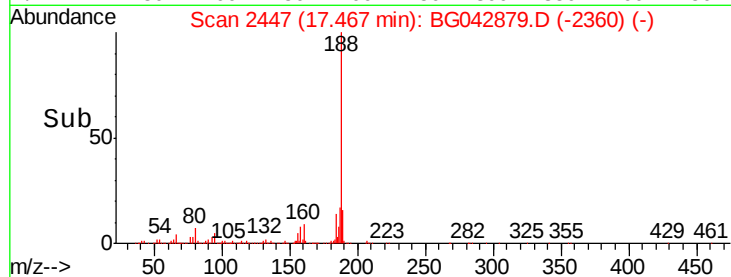
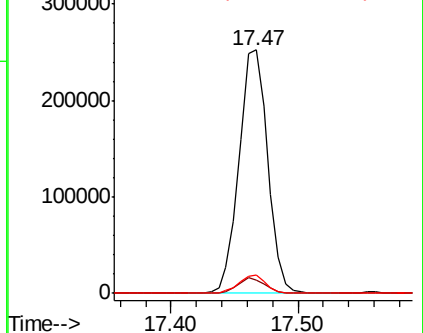
80 7.3 6.6 9.8



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



#67

4-Bromophenyl-phenylether

Concen: 5.666 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.46 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

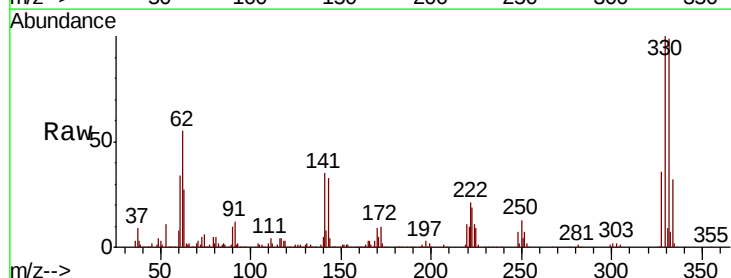
Tgt Ion:248 Resp: 27110

Ion Ratio Lower Upper

248 100

250 180.6 78.0 117.0#

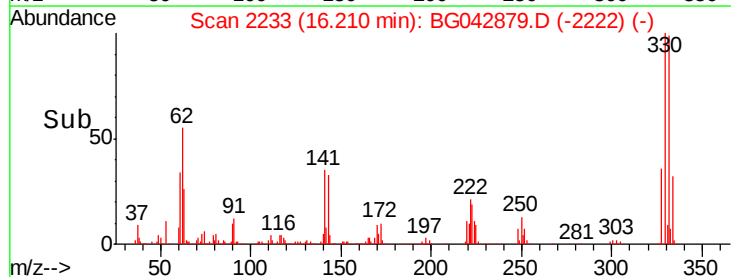
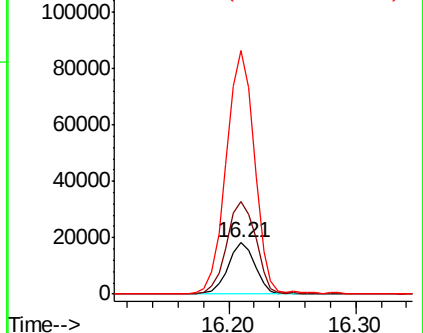
141 476.4 51.8 77.6#

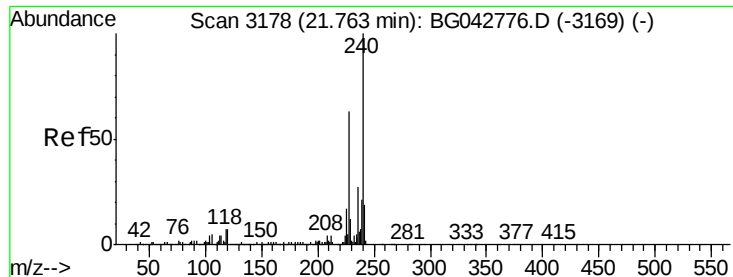


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.74 min Scan# 3174

Delta R.T. -0.02 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

Instrument :

BNA_G

ClientSampleId :

IDW-GW507-K-091119

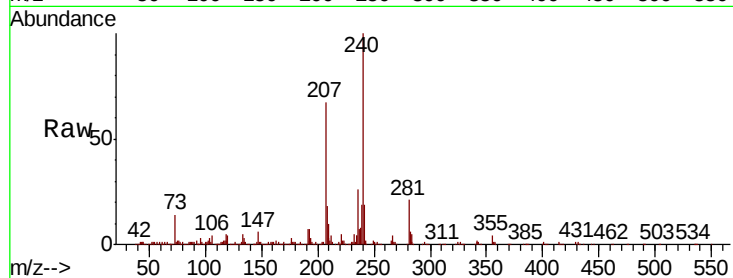
Tot Ion:240 Resp: 352379

Ion Ratio Lower Upper

240 100

120 3.8 5.4 8.2#

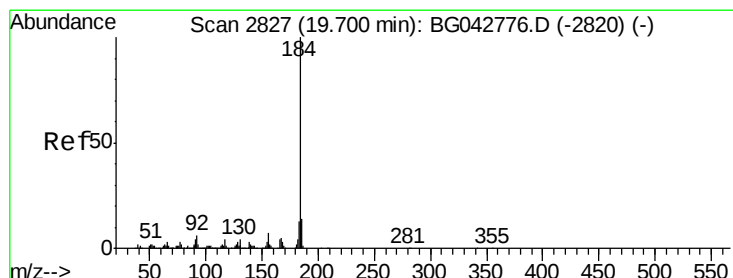
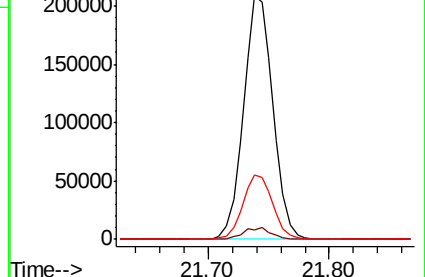
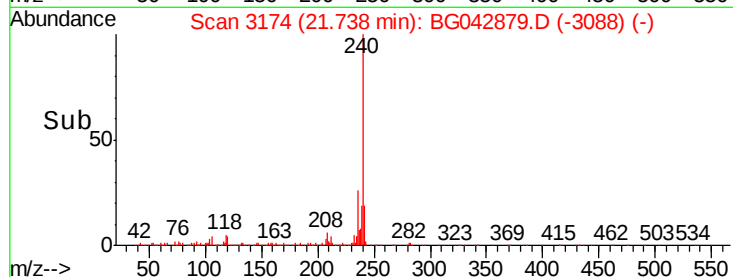
236 26.4 21.7 32.5



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



#77

Benzidine

Concen: 3.564 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.38 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

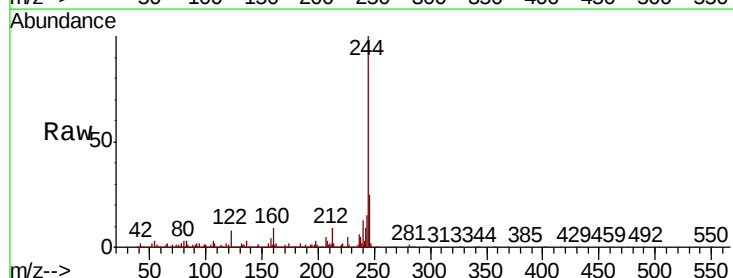
Tgt Ion:184 Resp: 35084

Ion Ratio Lower Upper

184 100

185 18.8 11.6 17.4#

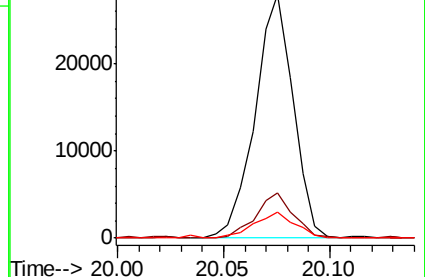
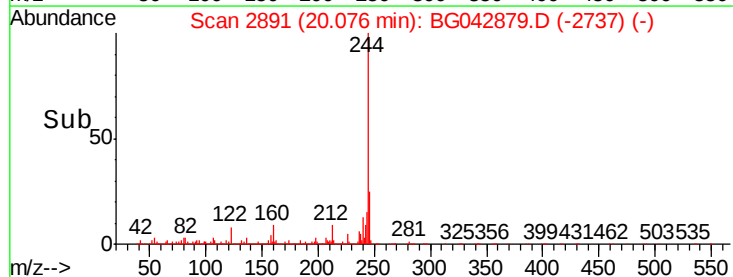
183 10.6 10.4 15.6

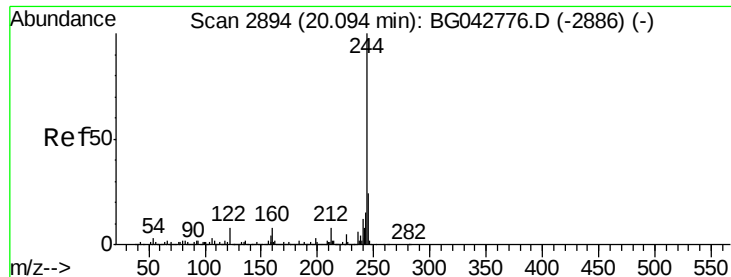


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 118.845 ng

RT: 20.08 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

Instrument :

BNA_G

ClientSampleId :

IDW-GW507-K-091119

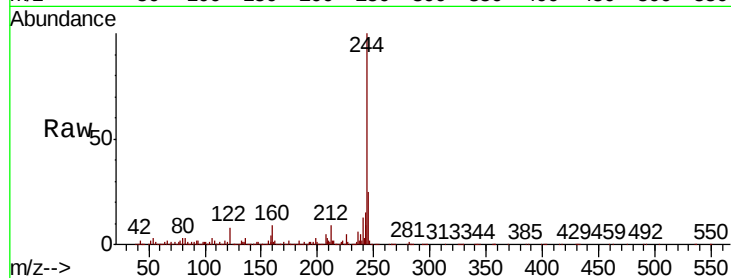
Tot Ion:244 Resp: 1889584

Ion Ratio Lower Upper

244 100

212 9.1 6.6 10.0

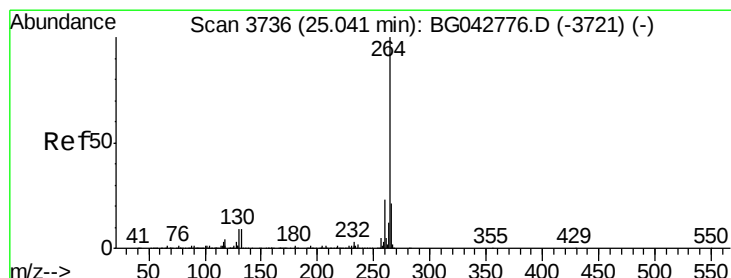
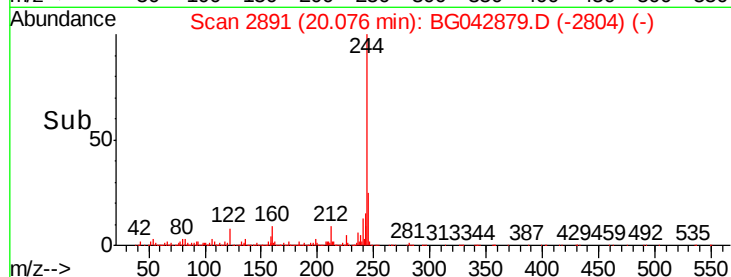
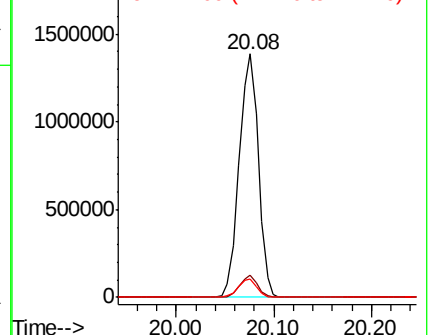
122 7.7 6.2 9.4



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: 25.01 min Scan# 3730

Delta R.T. -0.04 min

Lab File: BG042879.D

Acq: 17 Sep 2019 22:34

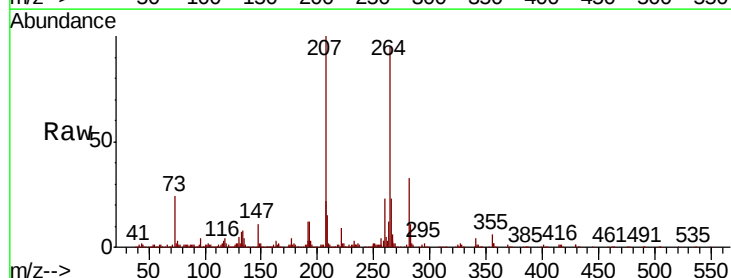
Tgt Ion:264 Resp: 343246

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

265 24.0 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

