

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041100.D
 Acq On : 7 Jun 2019 14:08
 Operator : HP/JU
 Sample : K3203-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW039-190604

Quant Time: Jun 08 06:58:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

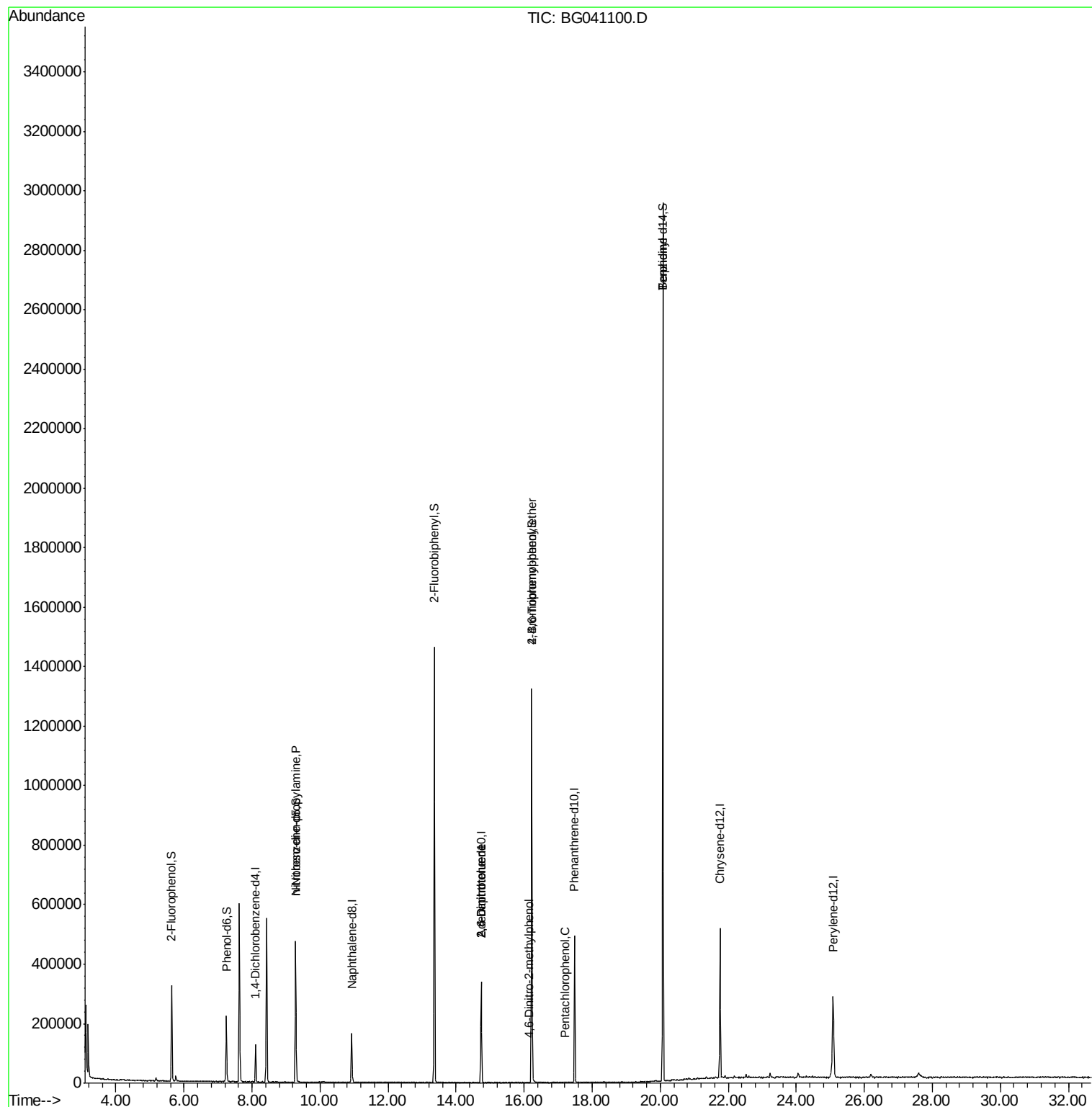
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	34475	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	142226	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	115211	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	308772	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	305015	20.00	ng	-0.03
87) Perylene-d12	25.08	264	318308	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	128453	67.19	ng	-0.02
7) Phenol-d6	7.25	99	118269	40.05	ng	-0.02
23) Nitrobenzene-d5	9.28	82	297812	92.96	ng	-0.03
42) 2,4,6-Tribromophenol	16.22	330	254034	148.52	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	752631	94.08	ng	-0.03
79) Terphenyl-d14	20.08	244	1394585	97.04	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	43083	18.961	ng	# 76
51) 2,6-Dinitrotoluene	14.74	165	14440	6.867	ng	# 21
57) 2,4-Dinitrotoluene	14.74	165	14440	4.861	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.14	198	55	8.617	ng	# 36
67) 4-Bromophenyl-phenylether	16.22	248	19164	4.599	ng	# 1
70) Pentachlorophenol	17.18	266	60	4.280	ng	# 18
77) Benzidine	20.08	184	23215	3.191	ng	# 93

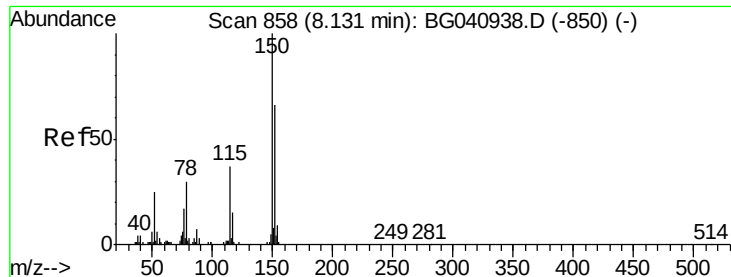
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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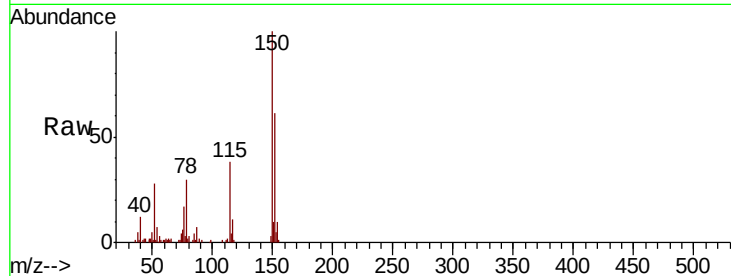


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.10 min Scan# 854
 Delta R.T. -0.03 min
 Lab File: BG041100.D
 Acq: 7 Jun 2019 14:08

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW039-190604

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.6	120.6	180.8
115	62.8	45.1	67.7

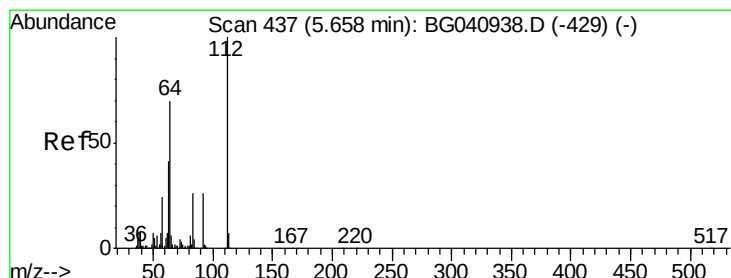
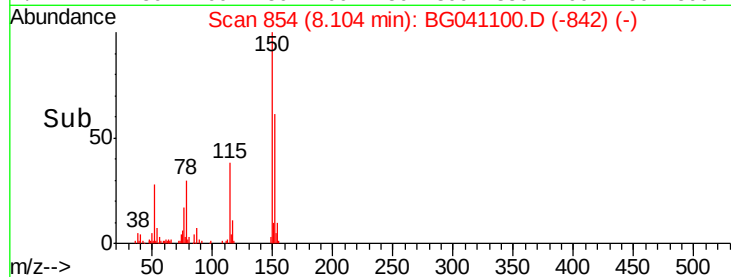
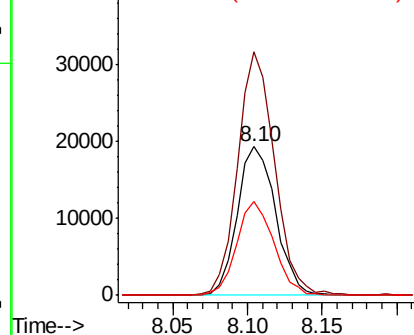


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

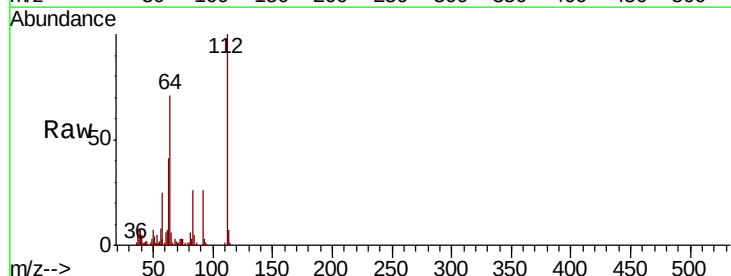
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 67.187 ng
 RT: 5.64 min Scan# 434
 Delta R.T. -0.02 min
 Lab File: BG041100.D
 Acq: 7 Jun 2019 14:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	56.2	84.2
63	41.1	32.8	49.2

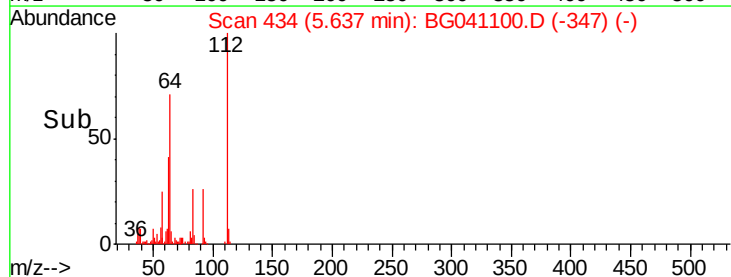
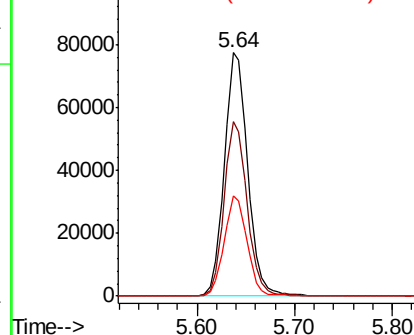


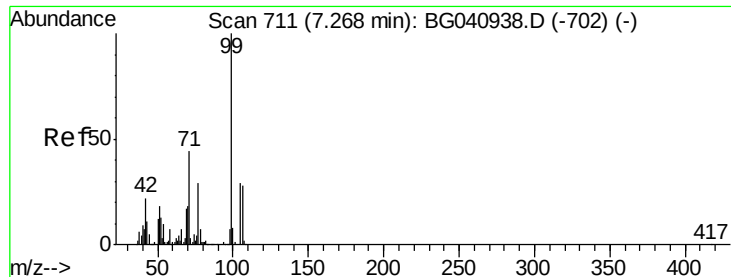
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 40.055 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041100.D

Acq: 7 Jun 2019 14:08

Instrument :

BNA_G

ClientSampleId :

SS043MW039-190604

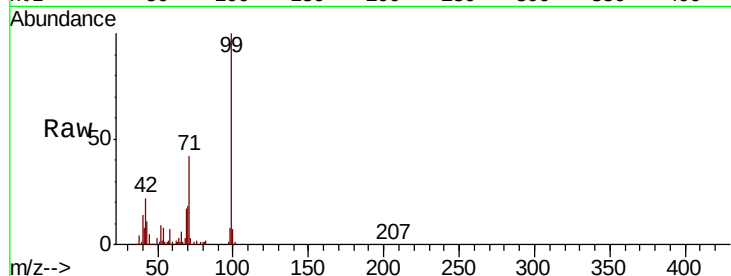
Tgt Ion: 99 Resp: 118269

Ion Ratio Lower Upper

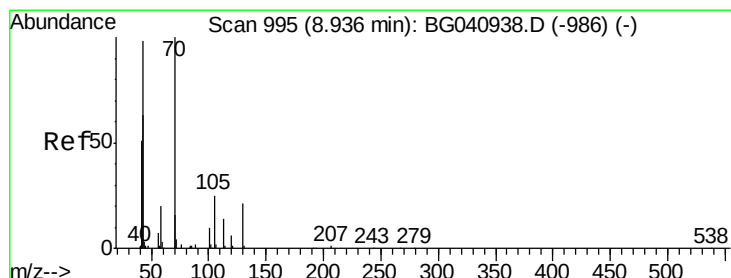
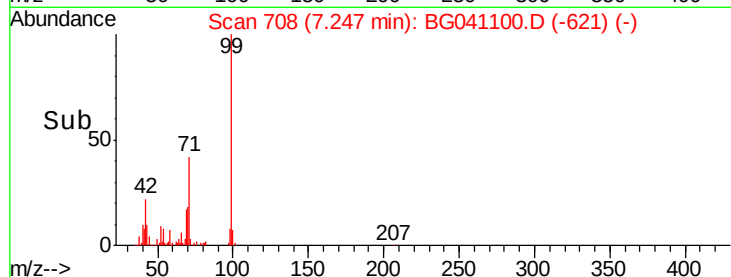
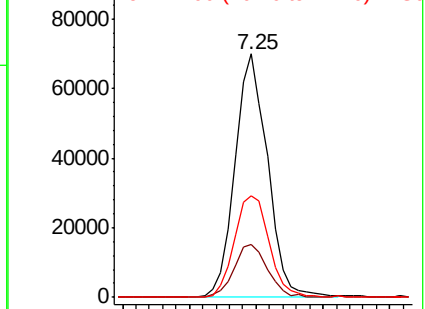
99 100

42 22.0 17.9 26.9

71 41.7 35.4 53.0



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: 18.961 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041100.D

Acq: 7 Jun 2019 14:08

Tgt Ion: 70 Resp: 43083

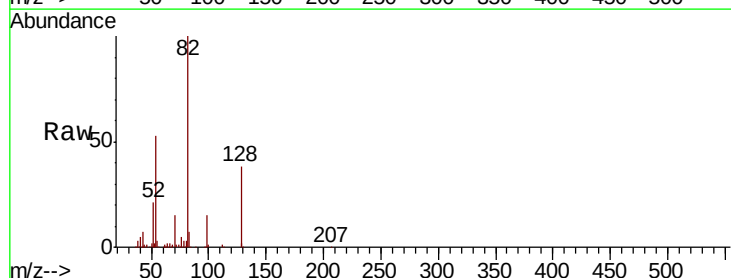
Ion Ratio Lower Upper

70 100

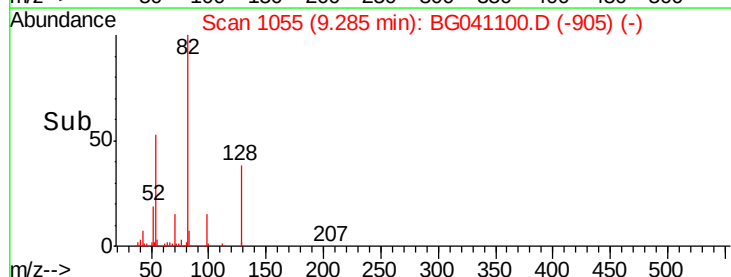
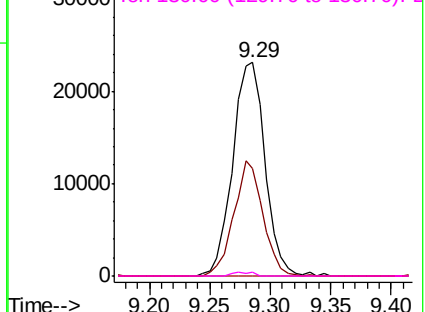
42 50.2 51.5 77.3#

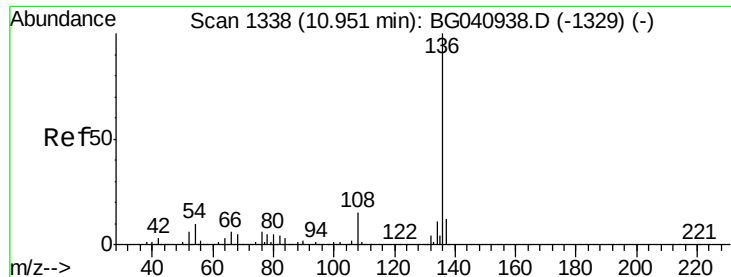
101 0.0 8.1 12.1#

130 1.8 16.6 24.8#



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

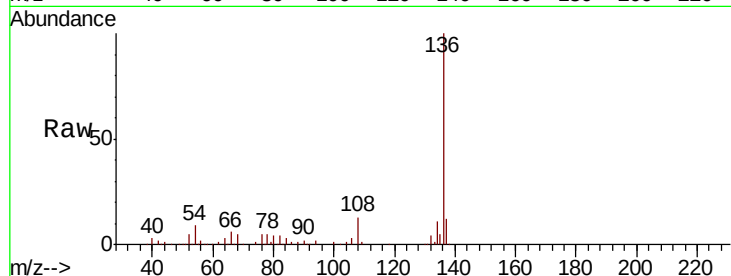




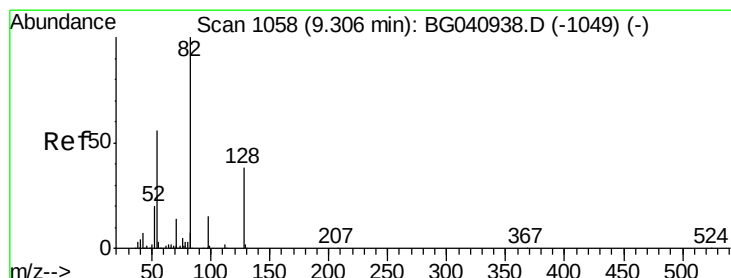
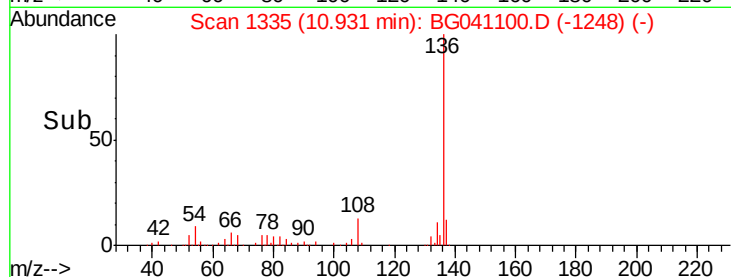
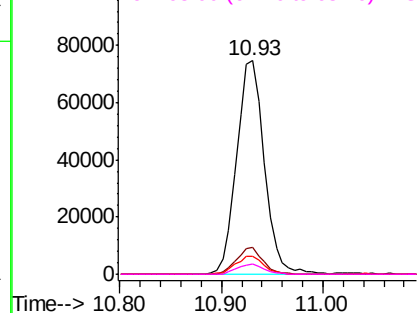
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041100.D
Acq: 7 Jun 2019 14:08

Instrument :
BNA_G
ClientSampleId :
SS043MW039-190604

Tgt Ion:	136	Resp:	142226
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	8.5	7.6	11.4
68	4.6	3.9	5.9

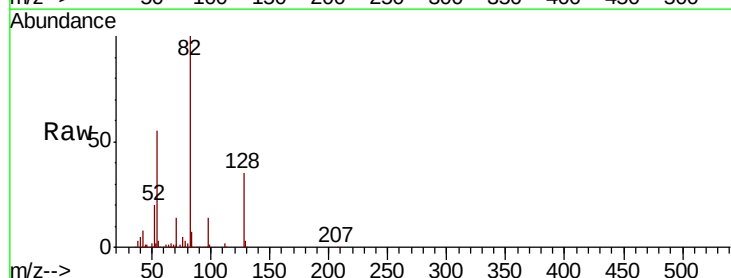


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

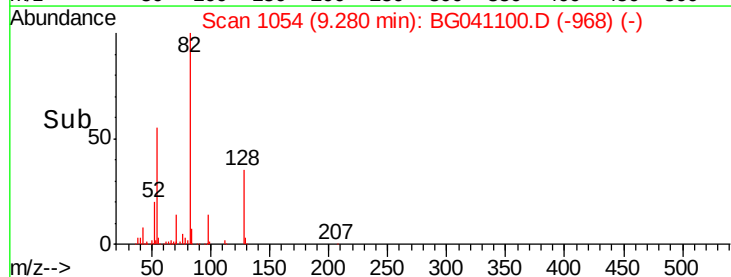
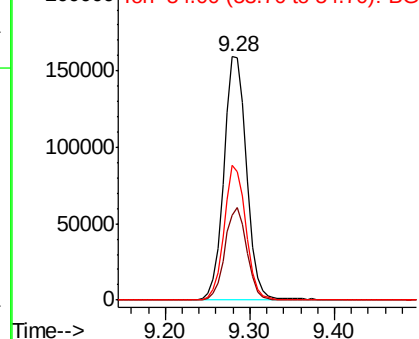


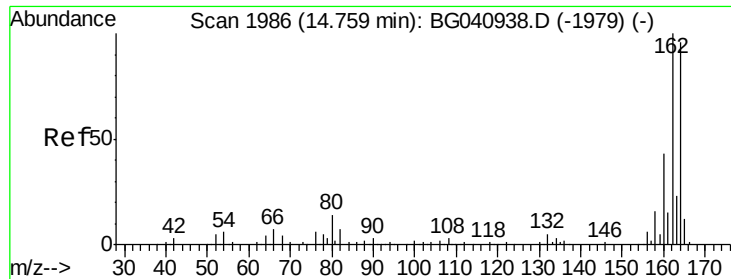
#23
Nitrobenzene-d5
Concen: 92.957 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BG041100.D
Acq: 7 Jun 2019 14:08

Tgt Ion:	82	Resp:	297812
Ion	Ratio	Lower	Upper
82	100		
128	35.1	30.5	45.7
54	55.2	44.6	66.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041100.D

Acq: 7 Jun 2019 14:08

Instrument :

BNA_G

ClientSampleId :

SS043MW039-190604

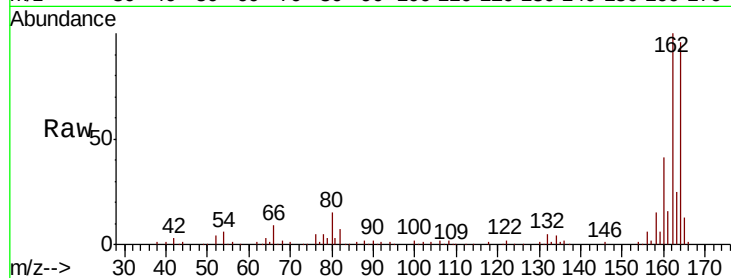
Tgt Ion:164 Resp: 115211

Ion Ratio Lower Upper

164 100

162 103.8 83.0 124.4

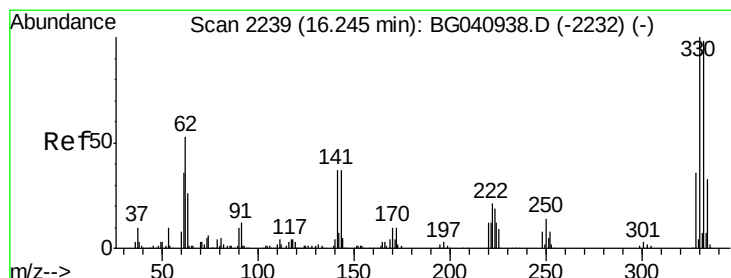
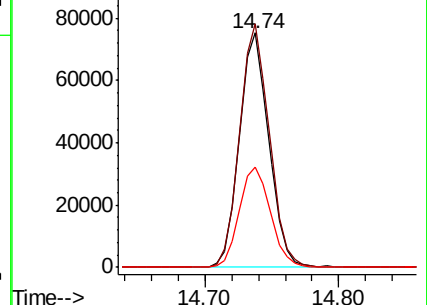
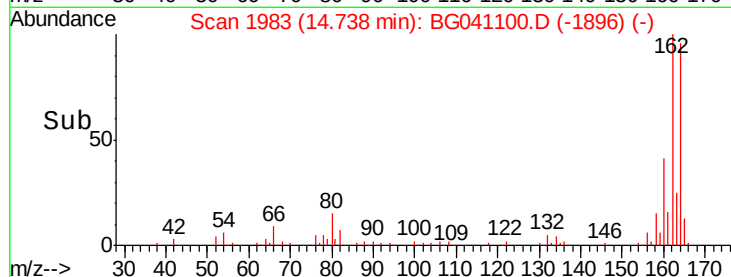
160 42.6 35.6 53.4



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: 148.524 ng

RT: 16.22 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041100.D

Acq: 7 Jun 2019 14:08

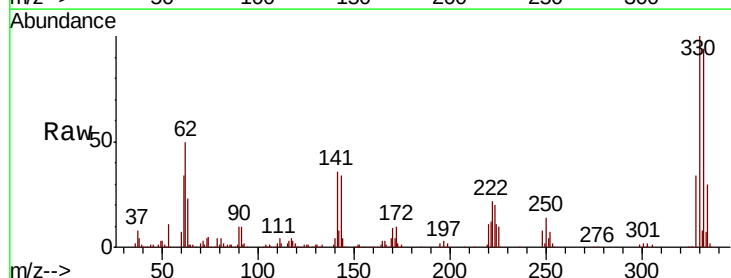
Tgt Ion:330 Resp: 254034

Ion Ratio Lower Upper

330 100

332 96.5 78.5 117.7

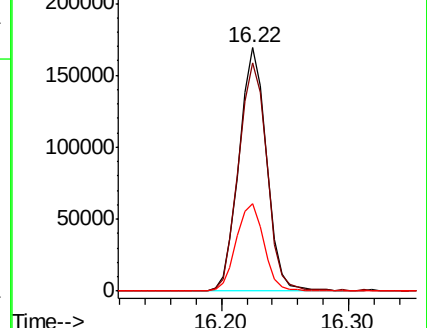
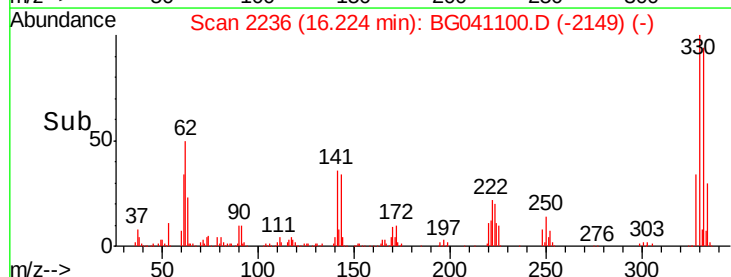
141 36.0 28.7 43.1

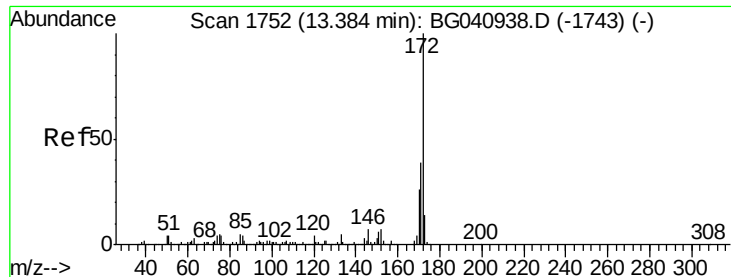


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

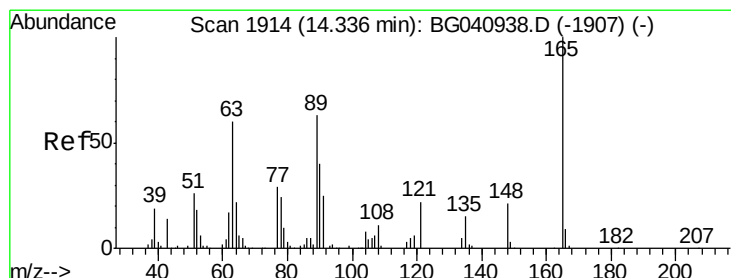
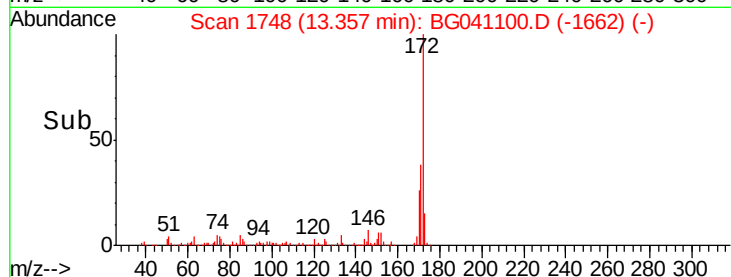
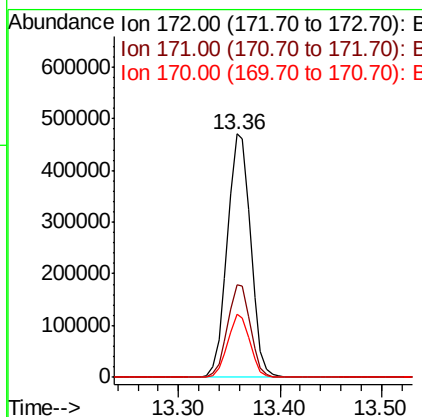
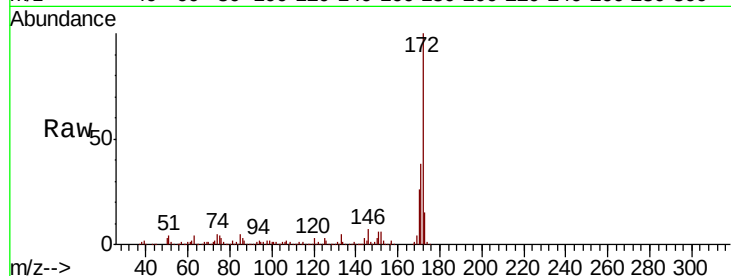




#45
2-Fluorobiphenyl
Concen: 94.077 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.03 min
Lab File: BG041100.D
Acq: 7 Jun 2019 14:08

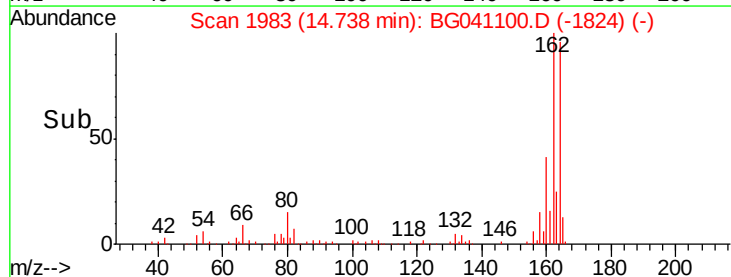
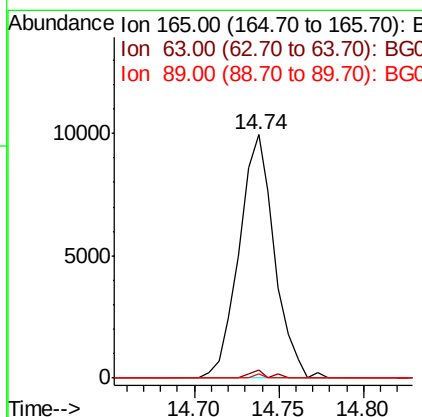
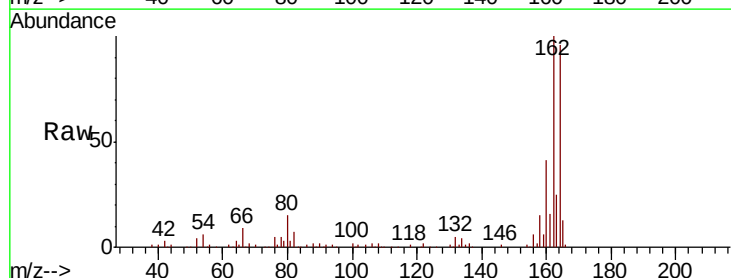
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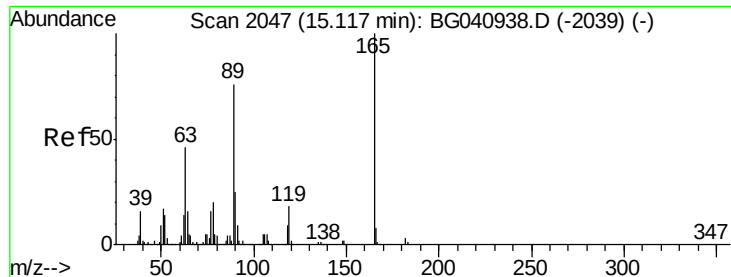
Tgt Ion:172 Resp: 752631
Ion Ratio Lower Upper
172 100
171 37.9 31.1 46.7
170 25.7 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 6.867 ng
RT: 14.74 min Scan# 1983
Delta R.T. 0.40 min
Lab File: BG041100.D
Acq: 7 Jun 2019 14:08

Tgt Ion:165 Resp: 14440
Ion Ratio Lower Upper
165 100
63 3.3 53.6 80.4#
89 1.6 50.4 75.6#

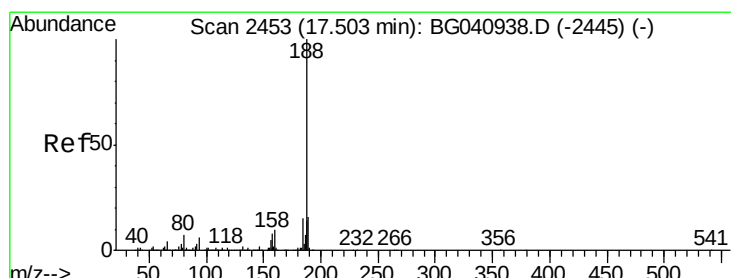
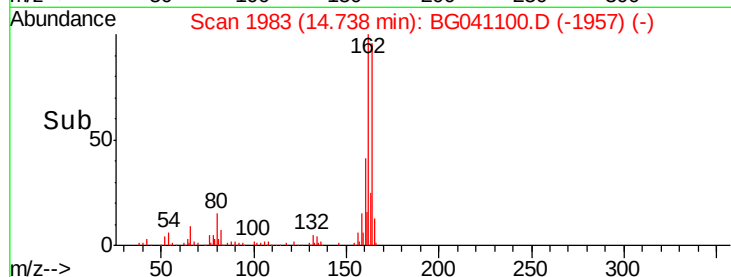
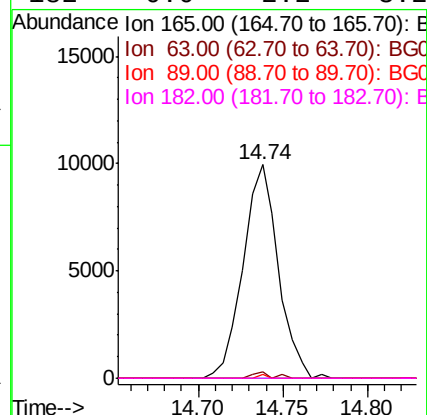
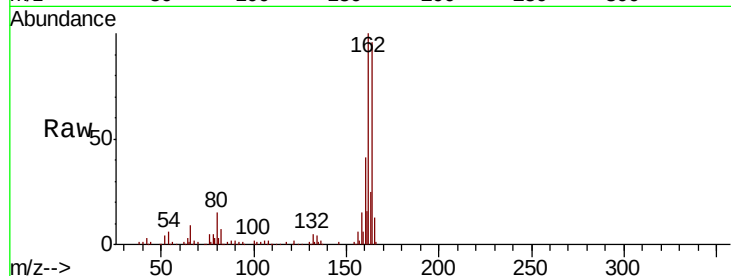




#57
 2,4-Dinitrotoluene
 Concen: 4.861 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.38 min
 Lab File: BG041100.D
 Acq: 7 Jun 2019 14:08

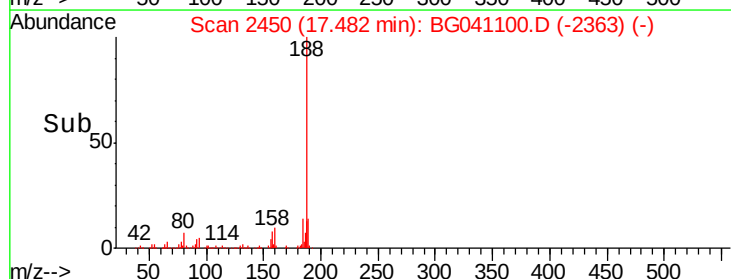
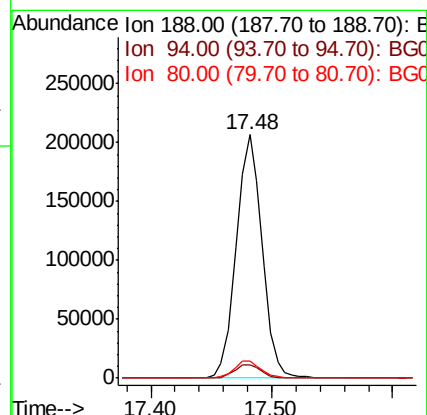
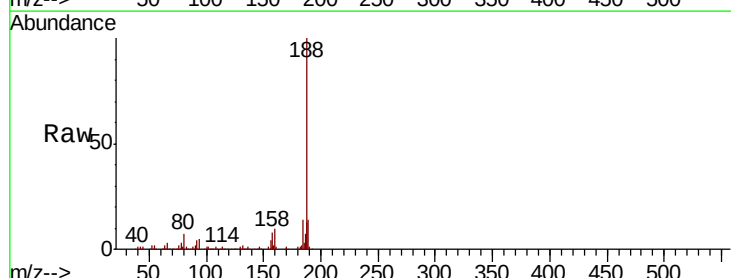
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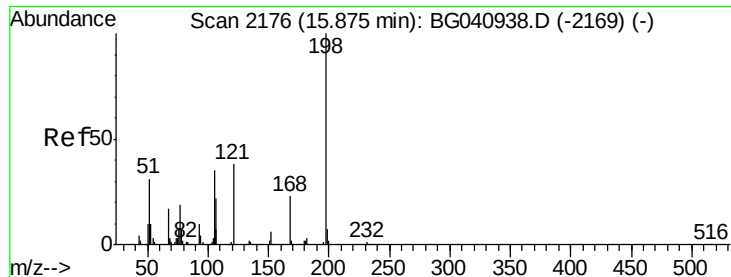
Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.3	37.3	55.9#
89	1.6	61.0	91.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2450
 Delta R.T. -0.02 min
 Lab File: BG041100.D
 Acq: 7 Jun 2019 14:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.7	7.1
80	7.2	5.8	8.8

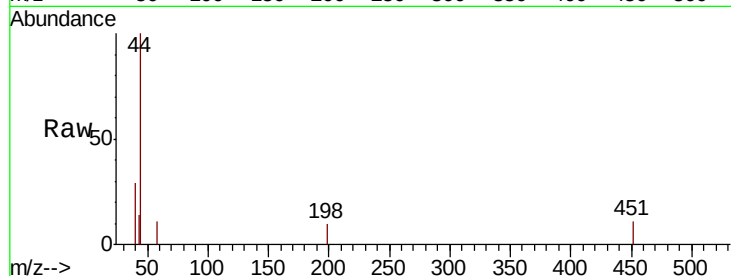




#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.617 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.26 min
 Lab File: BG041100.D
 Acq: 7 Jun 2019 14:08

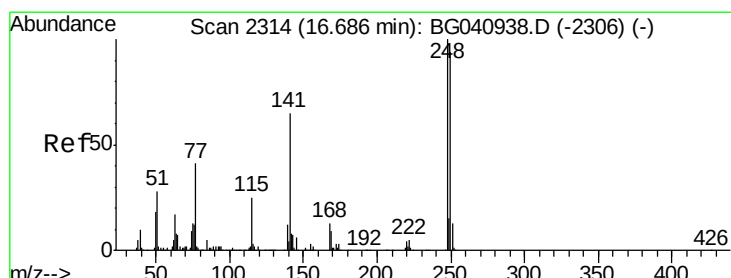
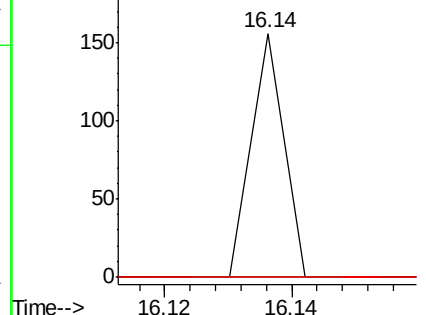
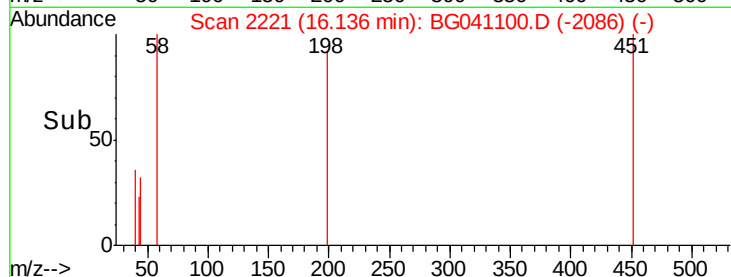
Instrument :
 BNA_G
 ClientSampleId :
 SS043MW039-190604

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	21.6	61.6#
105	0.0	17.5	57.5#



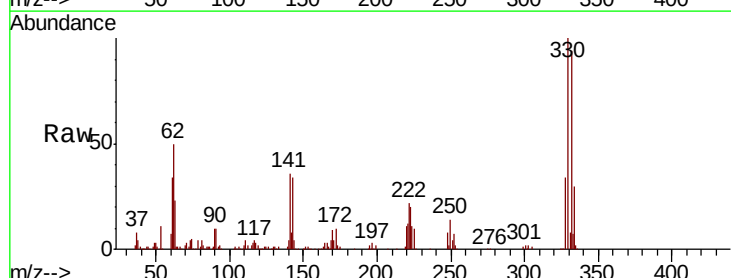
Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

16.14



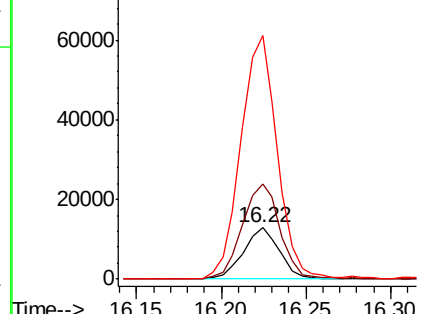
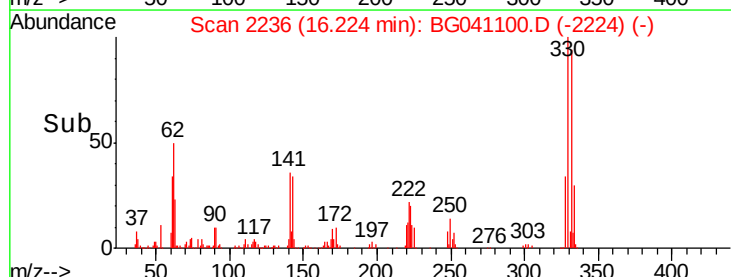
#67
 4-Bromophenyl-phenylether
 Concen: 4.599 ng
 RT: 16.22 min Scan# 2236
 Delta R.T. -0.46 min
 Lab File: BG041100.D
 Acq: 7 Jun 2019 14:08

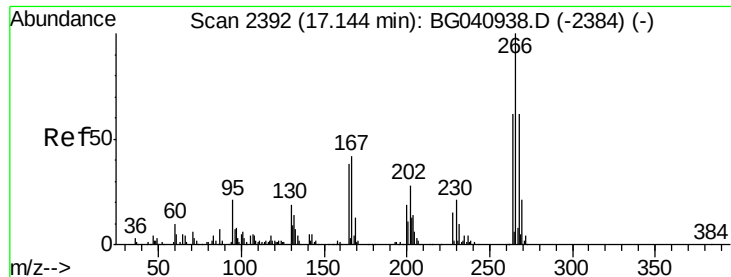
Tgt Ion	Ratio	Lower	Upper
248	100		
250	186.0	75.0	112.4#
141	473.2	52.4	78.6#



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

16.22





#70

Pentachlorophenol

Concen: 4.280 ng

RT: 17.18 min Scan# 2399

Delta R.T. 0.04 min

Lab File: BG041100.D

Acq: 7 Jun 2019 14:08

Instrument :

BNA_G

ClientSampleId :

SS043MW039-190604

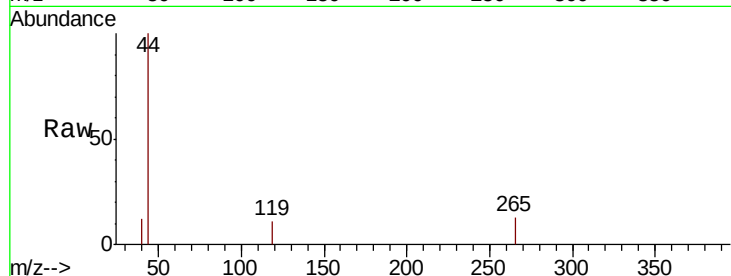
Tgt Ion:266 Resp: 60

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

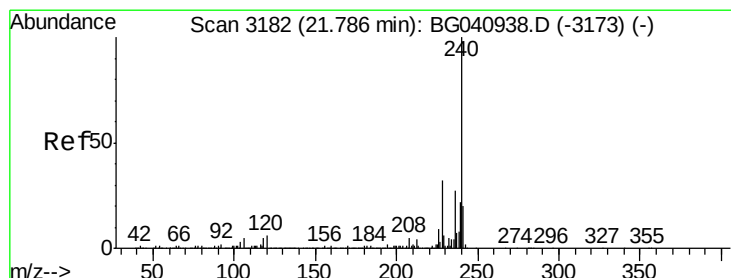
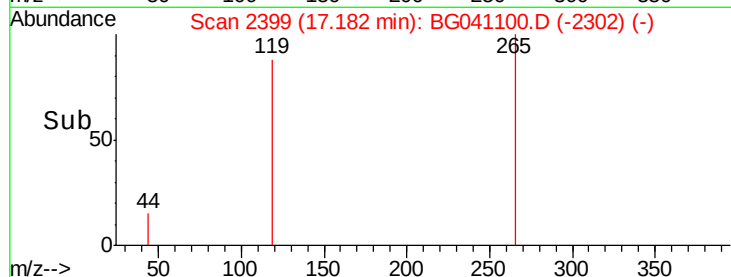
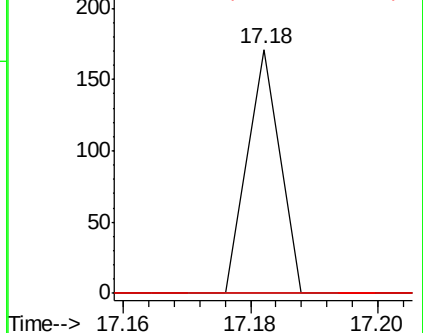
264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.03 min

Lab File: BG041100.D

Acq: 7 Jun 2019 14:08

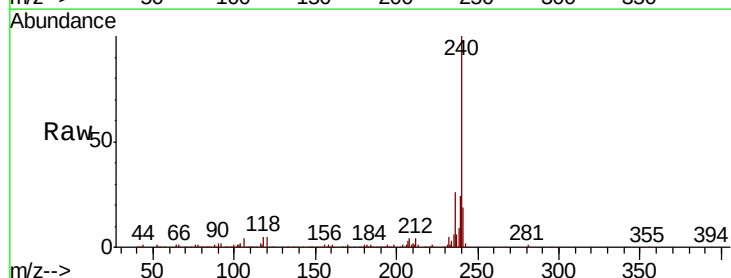
Tgt Ion:240 Resp: 305015

Ion Ratio Lower Upper

240 100

120 4.7 4.5 6.7

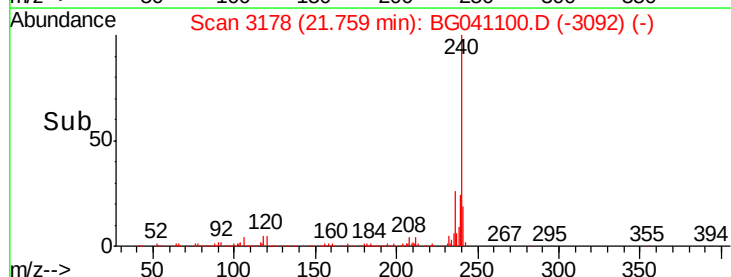
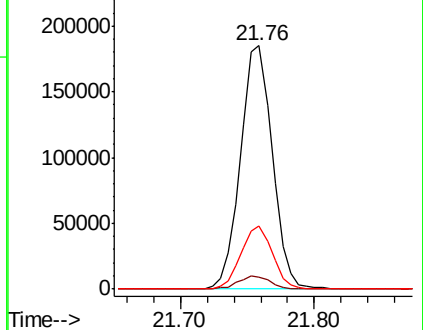
236 26.0 21.3 31.9

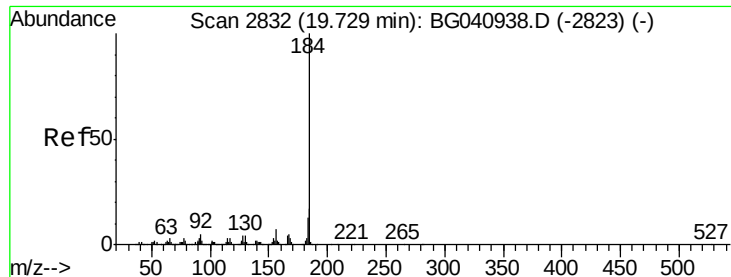


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.191 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.35 min

Lab File: BG041100.D

Acq: 7 Jun 2019 14:08

Instrument :

BNA_G

ClientSampleId :

SS043MW039-190604

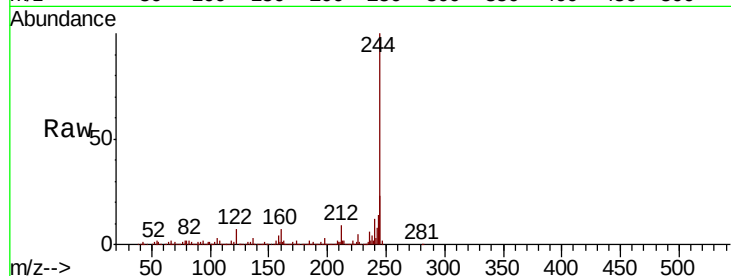
Tgt Ion:184 Resp: 23215

Ion Ratio Lower Upper

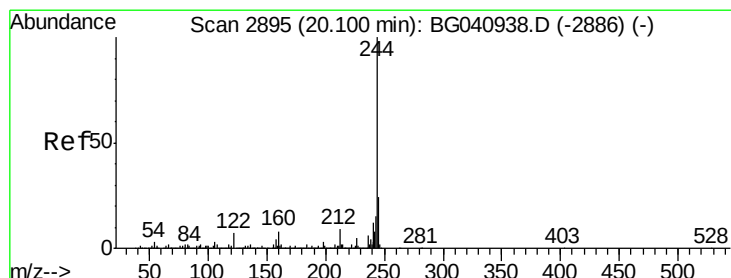
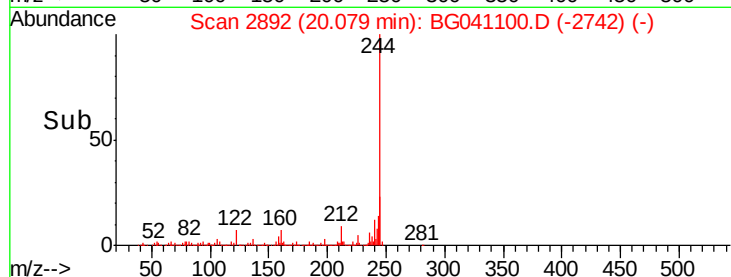
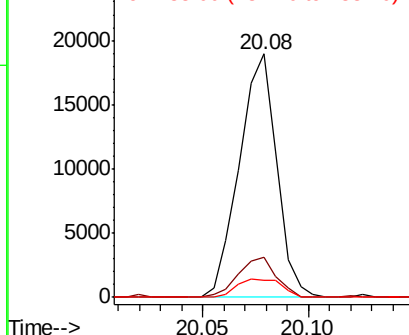
184 100

185 16.6 13.3 19.9

183 7.1 10.7 16.1#



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: 97.038 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041100.D

Acq: 7 Jun 2019 14:08

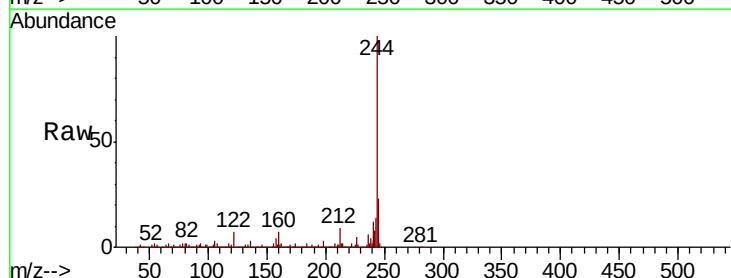
Tgt Ion:244 Resp: 1394585

Ion Ratio Lower Upper

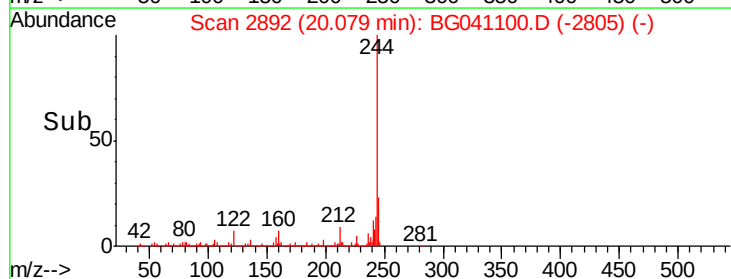
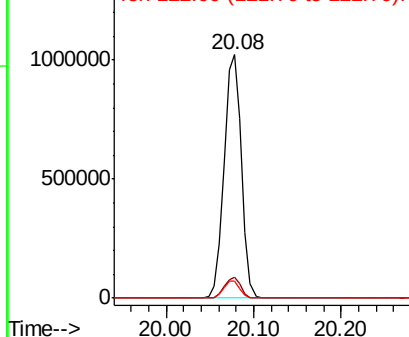
244 100

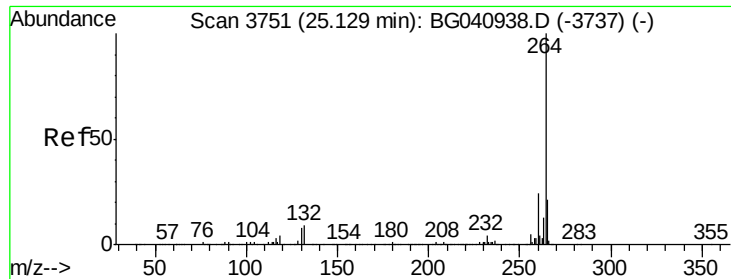
212 8.7 7.0 10.4

122 6.9 5.4 8.0



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: 25.08 min Scan# 3743
Delta R.T. -0.05 min
Lab File: BG041100.D
Acq: 7 Jun 2019 14:08

Instrument :
BNA_G
ClientSampleId :
SS043MW039-190604

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	21.6	17.0	25.4

