

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112619\
 Data File : BG043784.D
 Acq On : 27 Nov 2019 00:32
 Operator : JU
 Sample : K5667-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 27 03:00:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG112219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 23 00:54:00 2019
 Response via : Initial Calibration

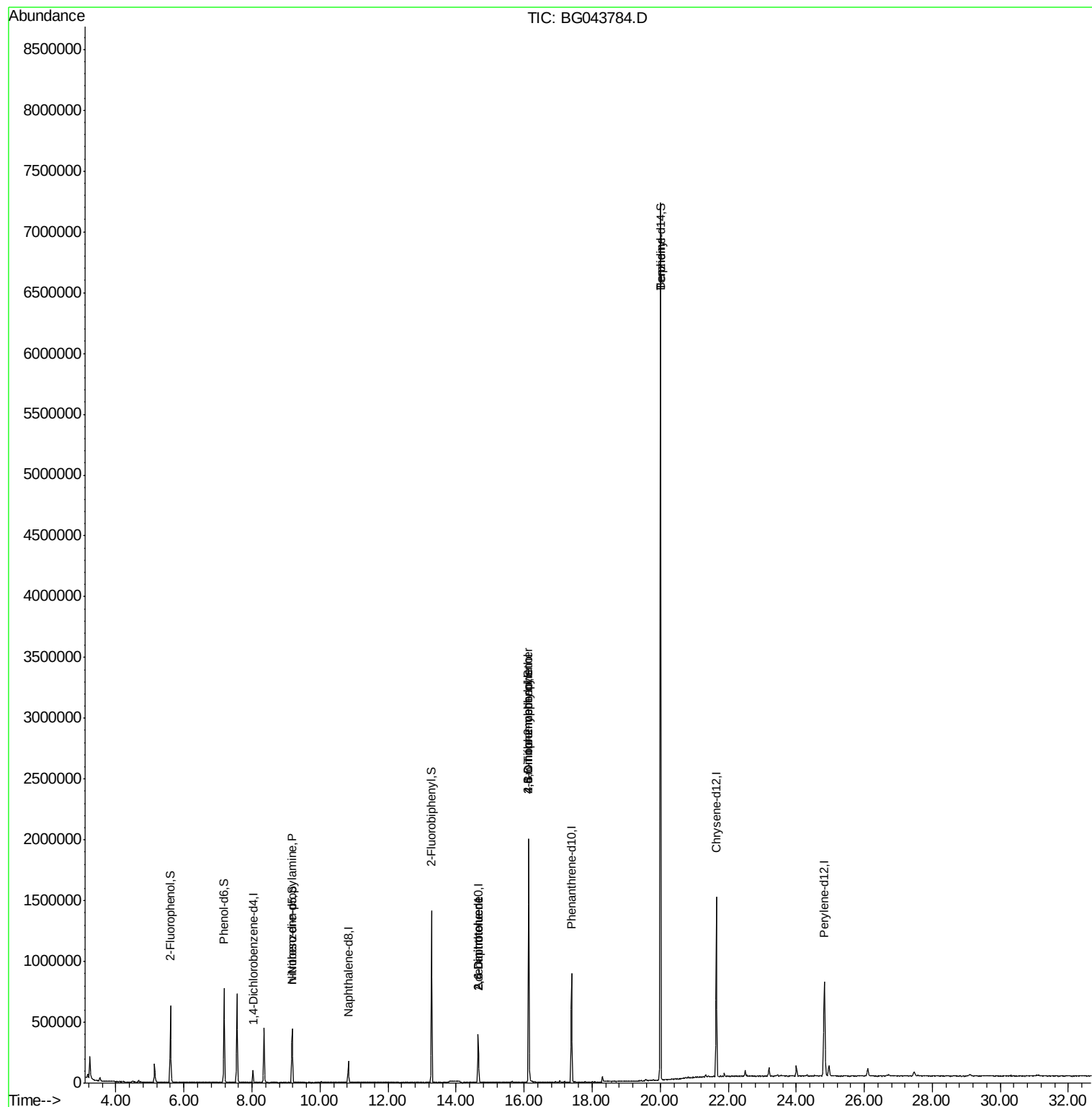
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	31882	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	157305	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	147111	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	576889	20.00	ng	0.00
76) Chrysene-d12	21.65	240	829041	20.00	ng	-0.02
87) Perylene-d12	24.83	264	800538	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	324575	183.02	ng	0.00
7) Phenol-d6	7.18	99	483422	187.52	ng	0.00
23) Nitrobenzene-d5	9.18	82	275237	96.20	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	347868	196.05	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	735450	82.18	ng	-0.01
79) Terphenyl-d14	20.01	244	2966602	80.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	35460	17.491	ng	# 75
51) 2,6-Dinitrotoluene	14.65	165	18303	8.457	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	18303	6.098	ng	# 22
60) Diethylphthalate	15.47	149	500	Below Cal	#	57
65) 4,6-Dinitro-2-methylphenol	16.13	198	1478	4.885	ng	# 1
67) 4-Bromophenyl-phenylether	16.13	248	27751	4.562	ng	# 1
73) Carbazole	17.78	167	2666	Below Cal	#	83
77) Benzidine	20.01	184	68330	2.822	ng	# 92

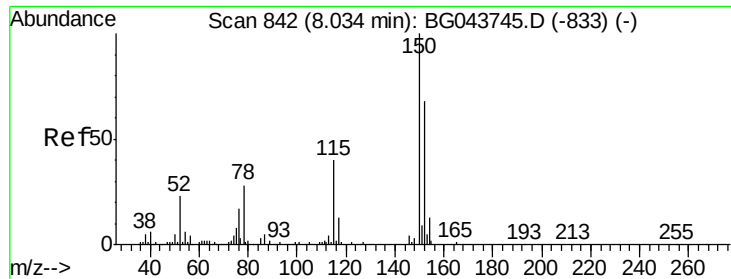
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 9 Sample Multiplier: 1

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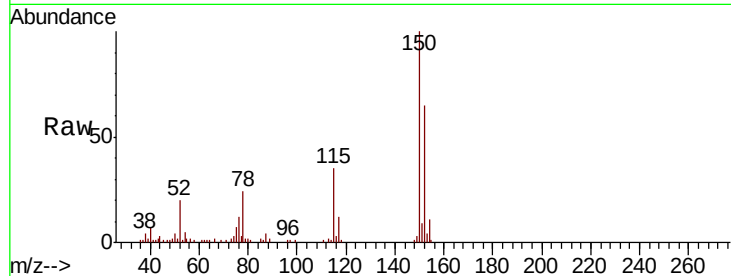


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BG043784.D
Acq: 27 Nov 2019 00:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	31882
Ion Ratio	Lower	Upper	
152	100		
150	153.4	117.8	176.8
115	54.0	47.0	70.4

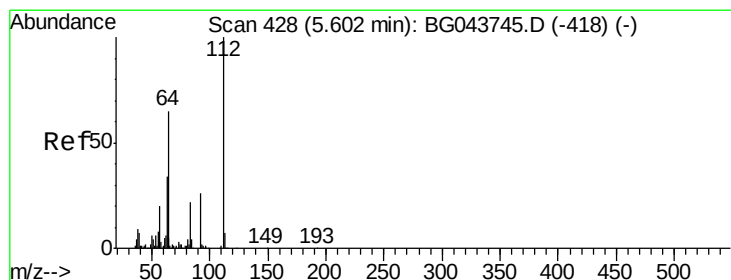
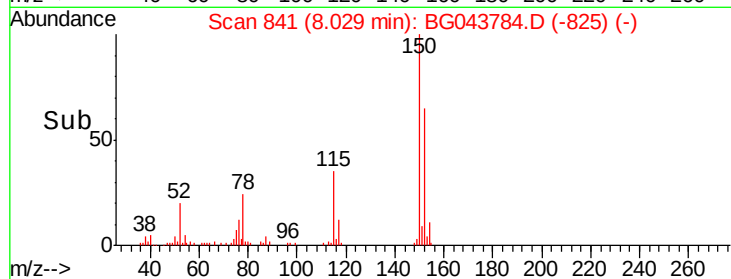
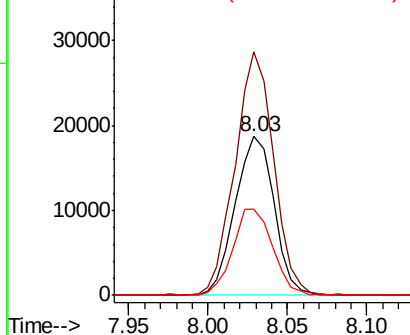


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

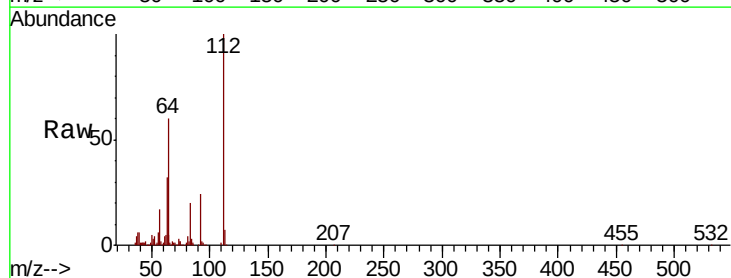
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 183.023 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043784.D
Acq: 27 Nov 2019 00:32

Tgt Ion	112	Resp	324575
Ion Ratio	Lower	Upper	
112	100		
64	60.5	51.7	77.5
63	31.5	26.8	40.2

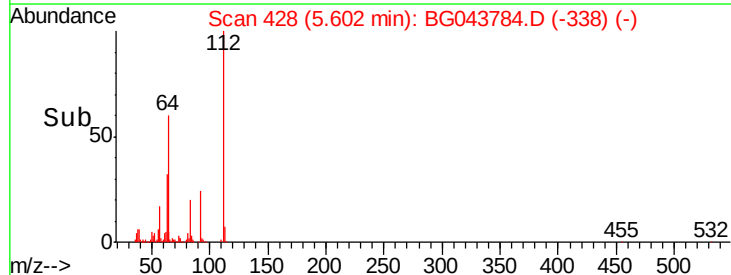
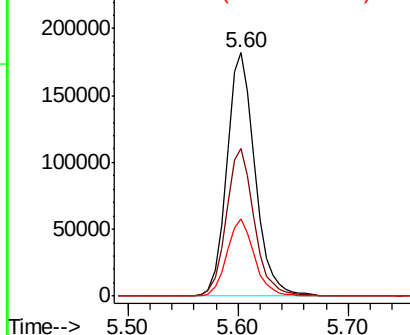


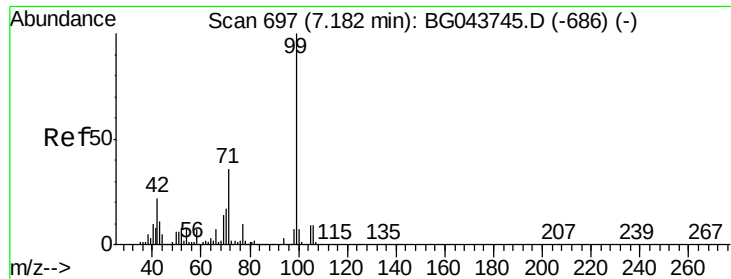
Abundance

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: 187.522 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG043784.D

Acq: 27 Nov 2019 00:32

Instrument :

BNA_G

ClientSampleId :

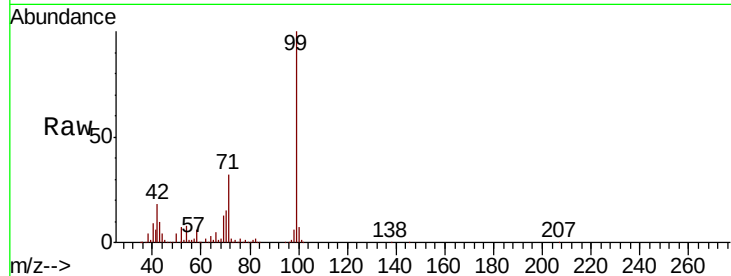
Tot Ion: 99 Resp: 483422

Ion Ratio Lower Upper

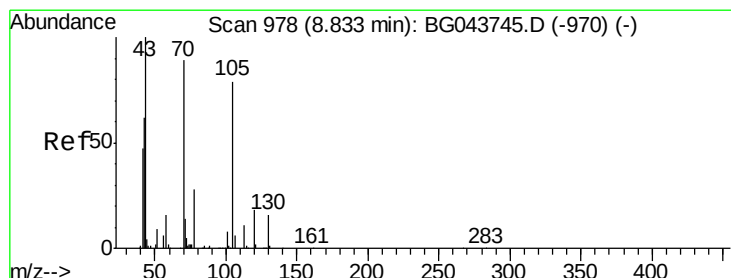
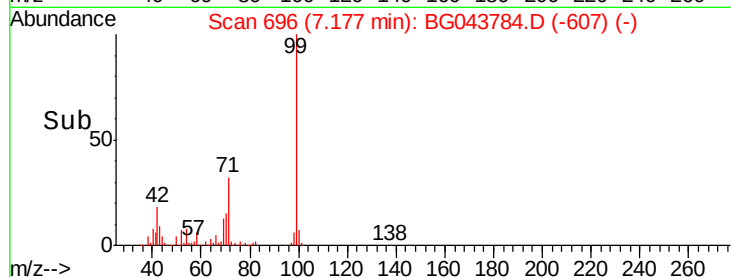
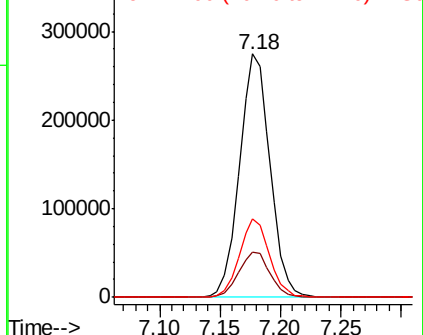
99 100

42 18.4 17.4 26.0

71 32.4 29.5 44.3



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: 17.491 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043784.D

Acq: 27 Nov 2019 00:32

Tgt Ion: 70 Resp: 35460

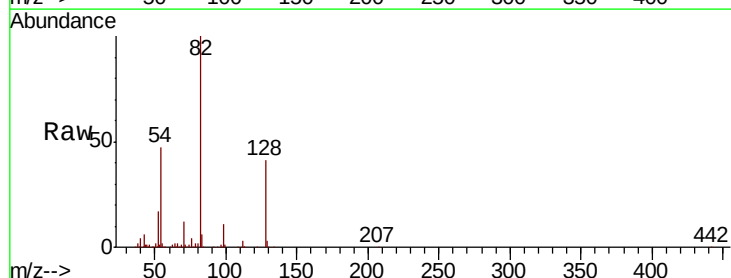
Ion Ratio Lower Upper

70 100

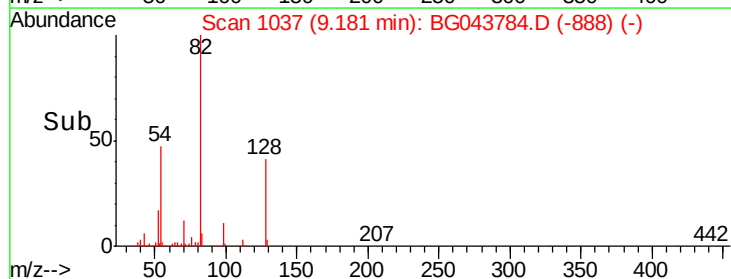
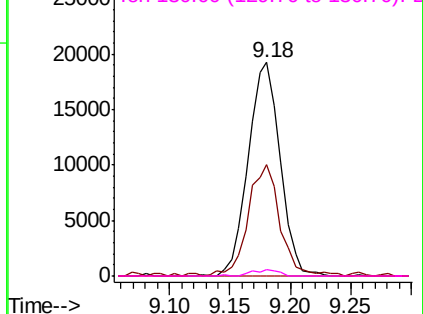
42 51.9 56.4 84.6#

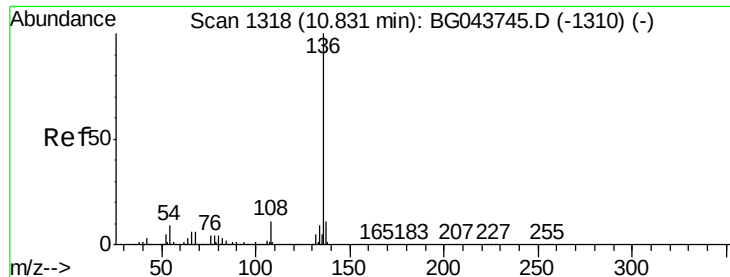
101 0.0 6.7 10.1#

130 2.8 14.7 22.1#



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

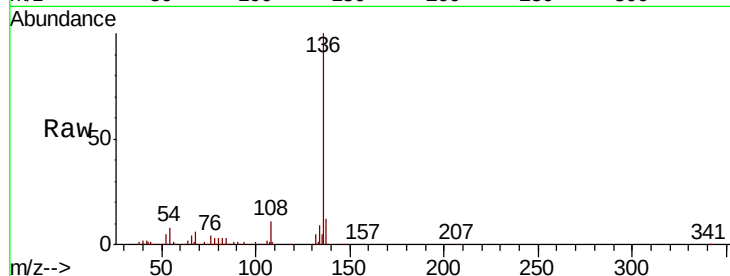




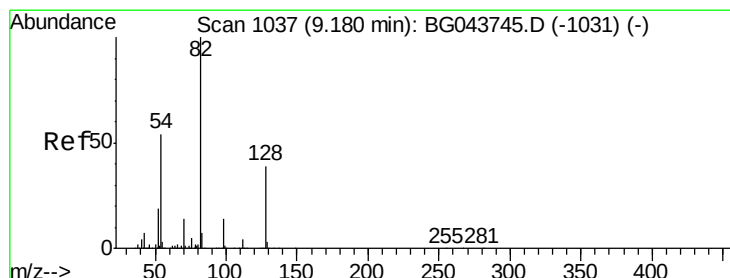
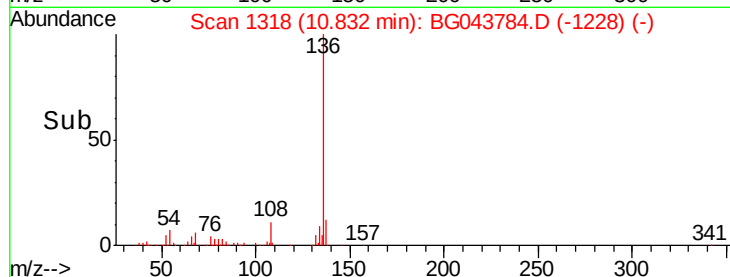
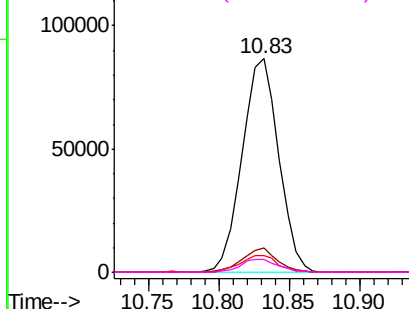
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043784.D
Acq: 27 Nov 2019 00:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	157305
Ion	Ratio	Lower Upper
136	100	
137	11.6	8.8 13.2
54	7.5	7.5 11.3#
68	6.2	4.9 7.3

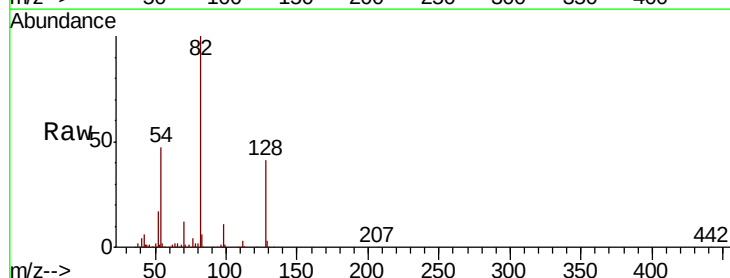


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

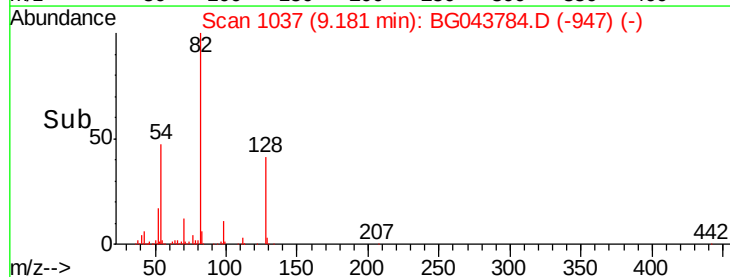
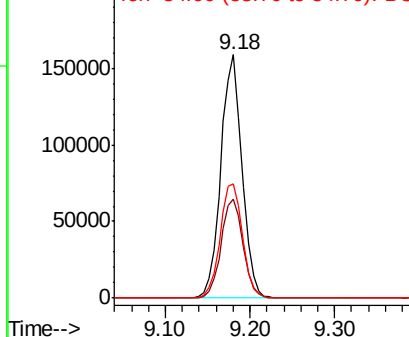


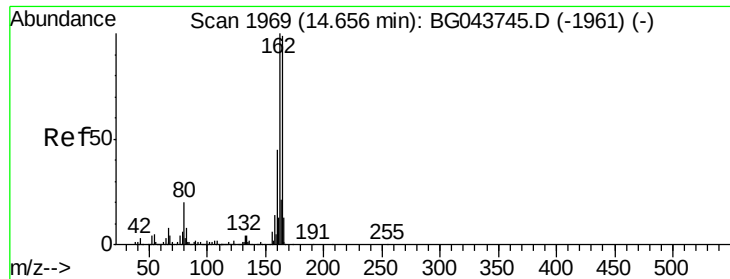
#23
Nitrobenzene-d5
Concen: 96.203 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BG043784.D
Acq: 27 Nov 2019 00:32

Tgt Ion: 82	Resp:	275237
Ion	Ratio	Lower Upper
82	100	
128	40.6	31.3 46.9
54	47.0	42.7 64.1



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG043784.D

Acq: 27 Nov 2019 00:32

Instrument :

BNA_G

ClientSampleId :

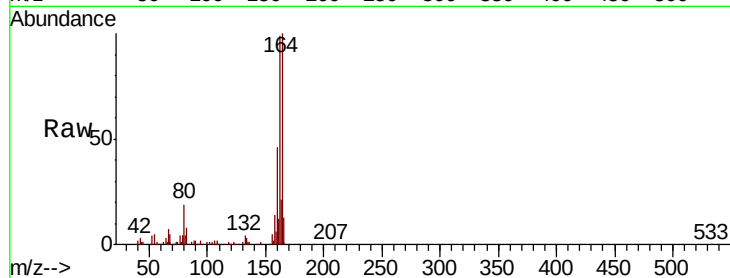
Tot Ion:164 Resp: 147111

Ion Ratio Lower Upper

164 100

162 99.3 80.6 121.0

160 46.1 36.3 54.5

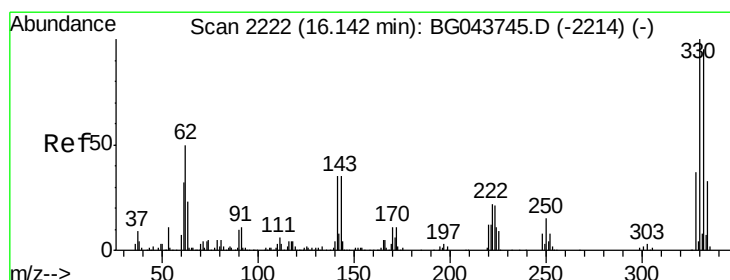
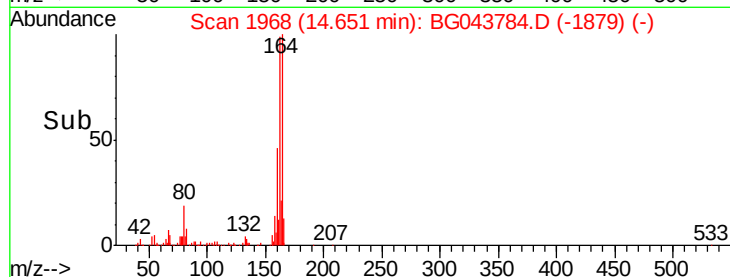
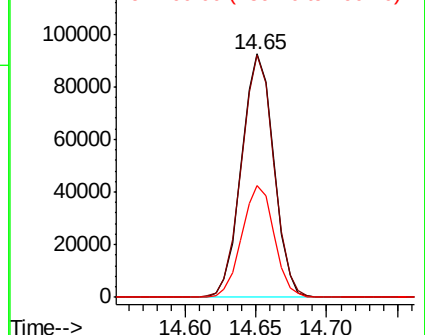


Abundance

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: 196.050 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BG043784.D

Acq: 27 Nov 2019 00:32

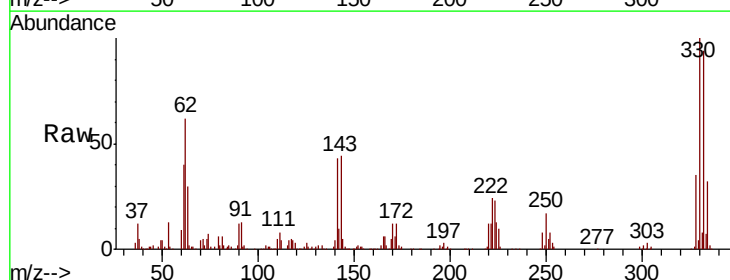
Tgt Ion:330 Resp: 347868

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 41.3 31.4 47.2

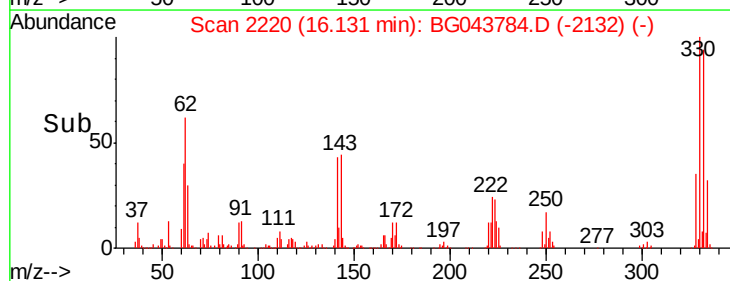
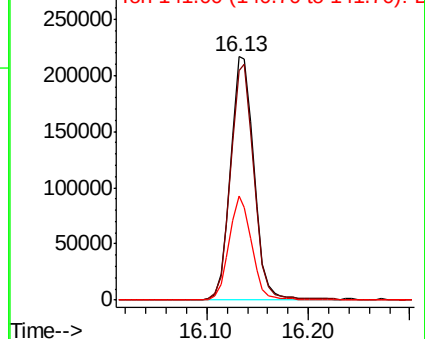


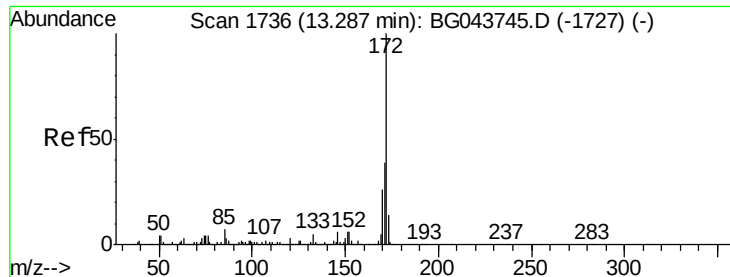
Abundance

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

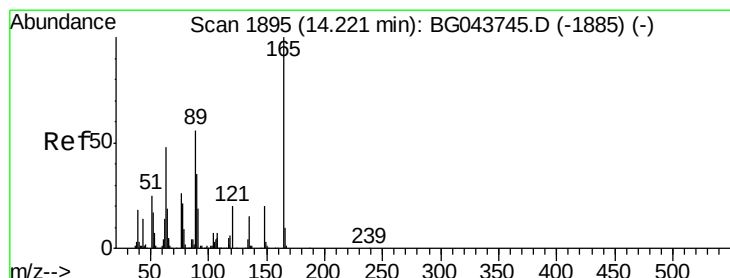
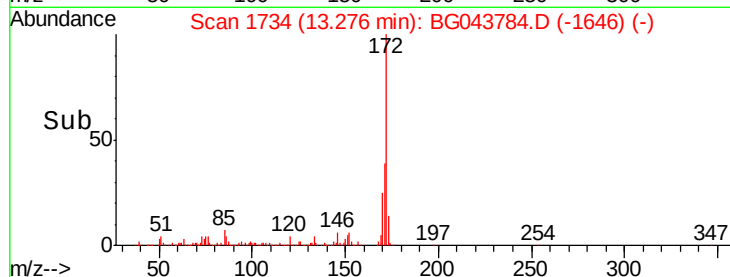
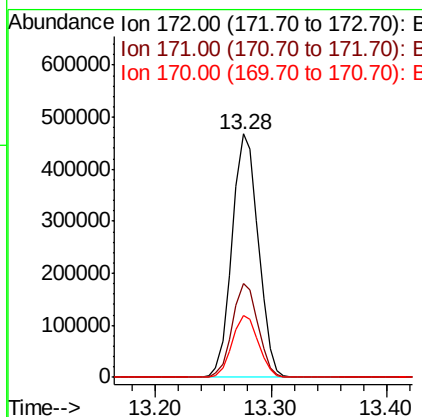
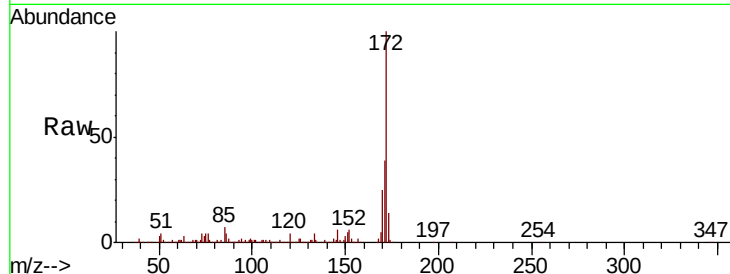




#45
 2-Fluorobiphenyl
 Concen: 82.178 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG043784.D
 Acq: 27 Nov 2019 00:32

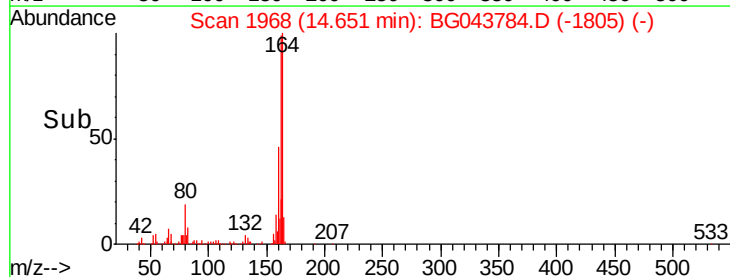
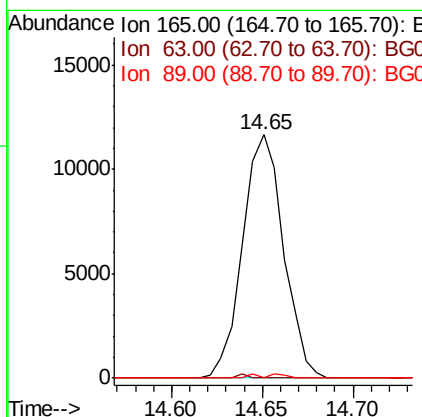
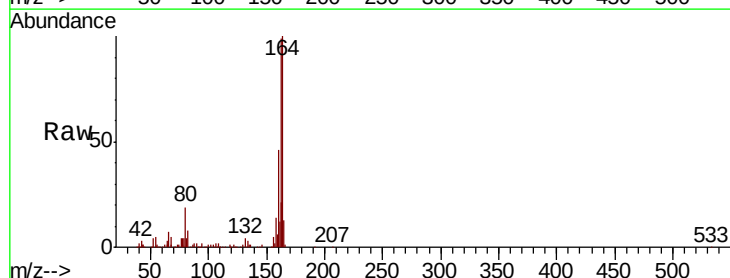
Instrument :
 BNA_G
 ClientSampleId :

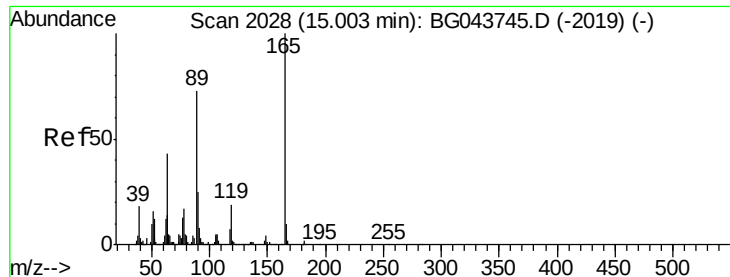
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.0	46.6
170	25.3	21.0	31.4



#51
 2,6-Dinitrotoluene
 Concen: 8.457 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043784.D
 Acq: 27 Nov 2019 00:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	44.6	67.0#

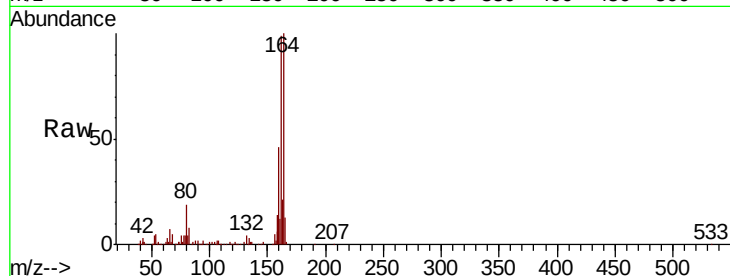




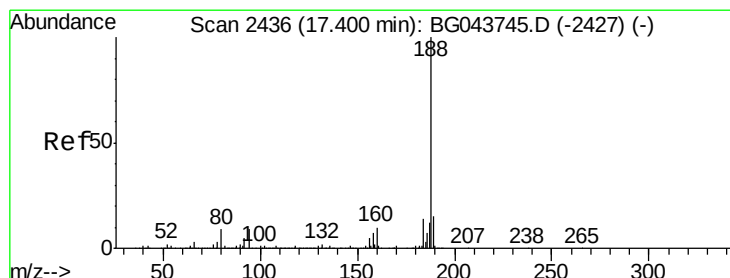
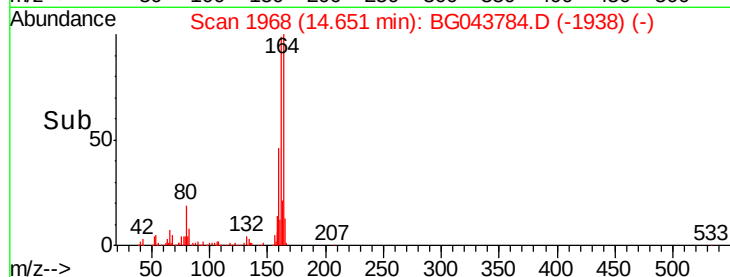
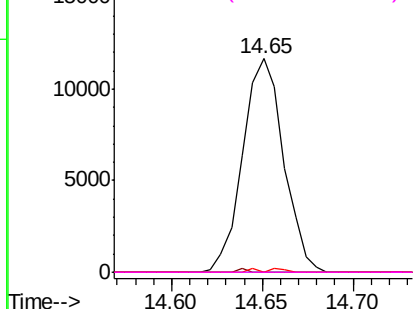
#57
 2,4-Dinitrotoluene
 Concen: 6.098 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.35 min
 Lab File: BG043784.D
 Acq: 27 Nov 2019 00:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 18303
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.6 51.8#
 89 0.0 58.3 87.5#
 182 0.0 1.9 2.9#

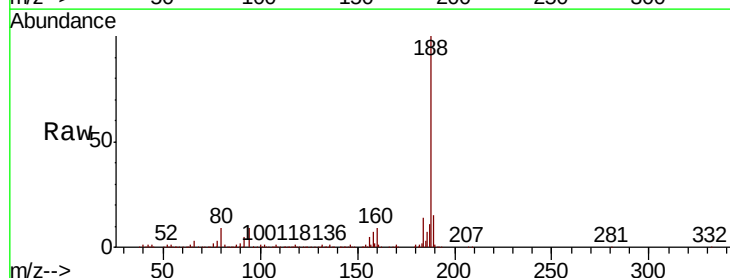


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

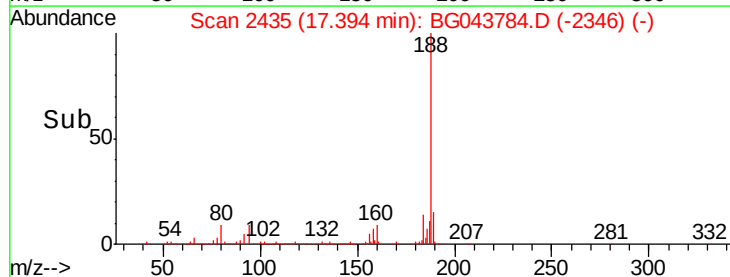
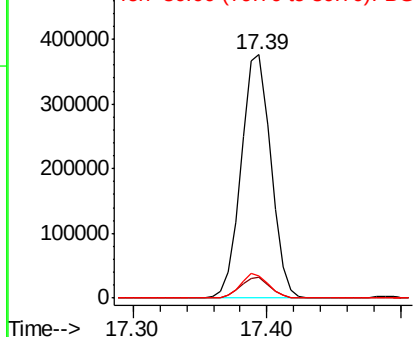


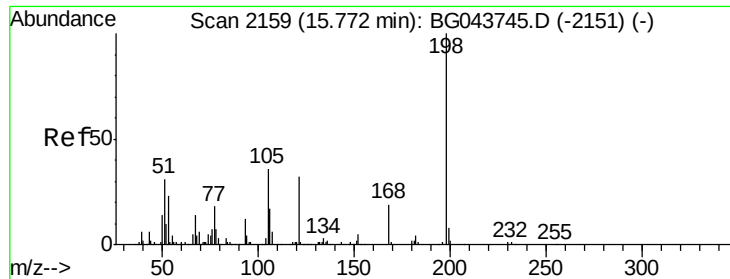
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043784.D
 Acq: 27 Nov 2019 00:32

Tgt Ion:188 Resp: 576889
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.9 10.3
 80 9.0 7.5 11.3



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

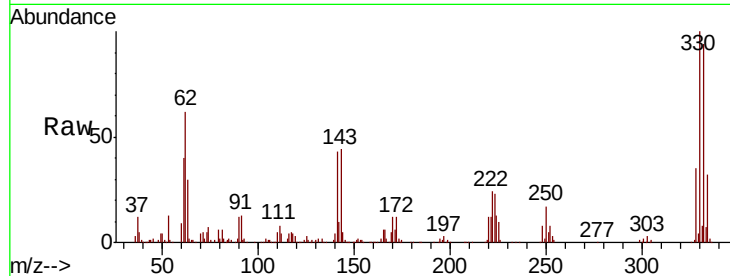




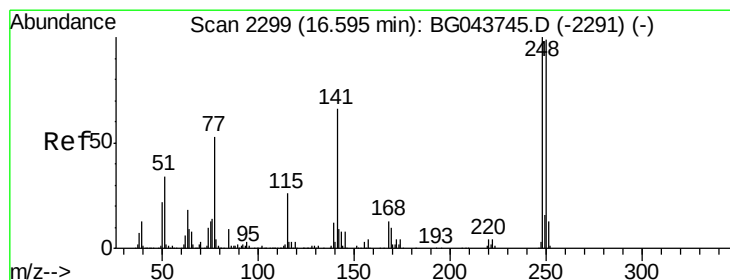
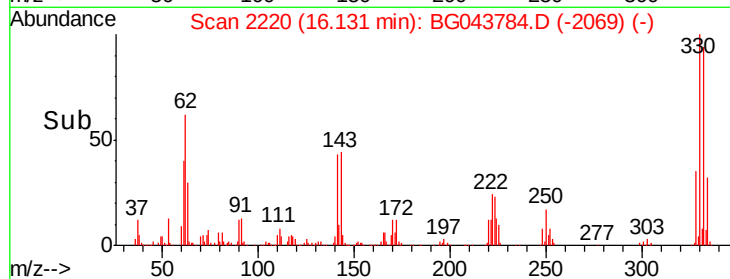
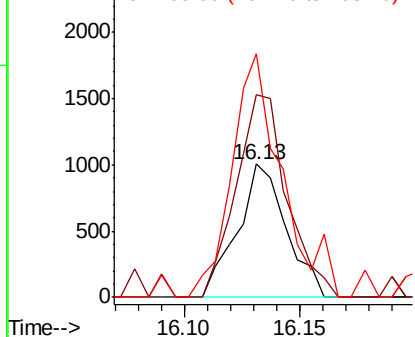
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.885 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.36 min
 Lab File: BG043784.D
 Acq: 27 Nov 2019 00:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 1478
 Ion Ratio Lower Upper
 198 100
 51 151.9 16.8 56.8#
 105 182.6 17.3 57.3#

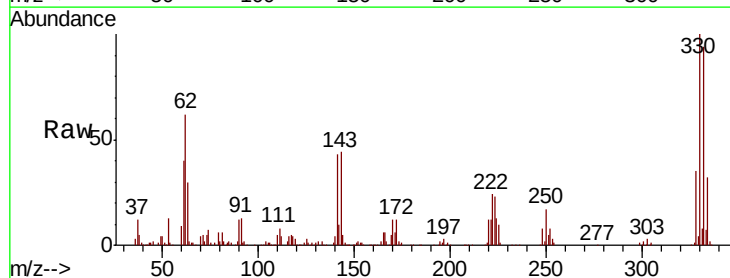


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

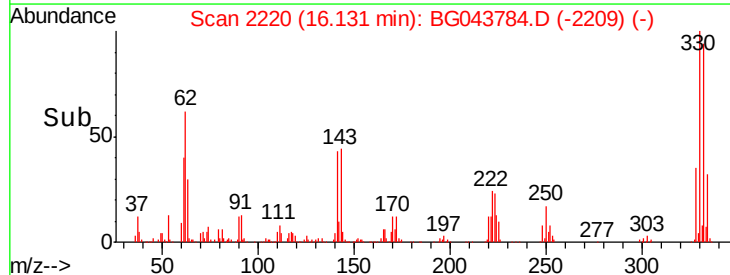
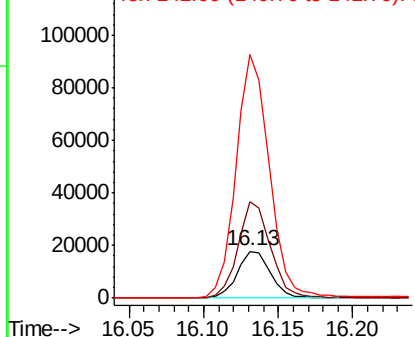


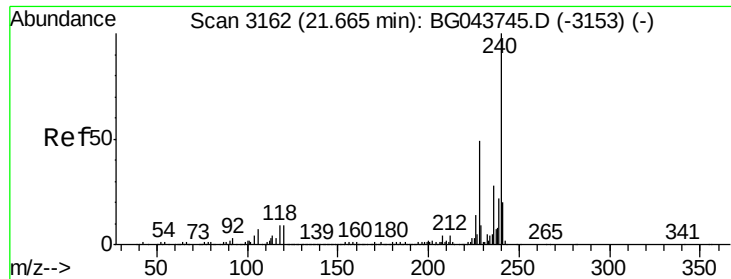
#67
 4-Bromophenyl-phenylether
 Concen: 4.562 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.46 min
 Lab File: BG043784.D
 Acq: 27 Nov 2019 00:32

Tgt Ion:248 Resp: 27751
 Ion Ratio Lower Upper
 248 100
 250 203.8 79.3 118.9#
 141 517.6 53.0 79.6#



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

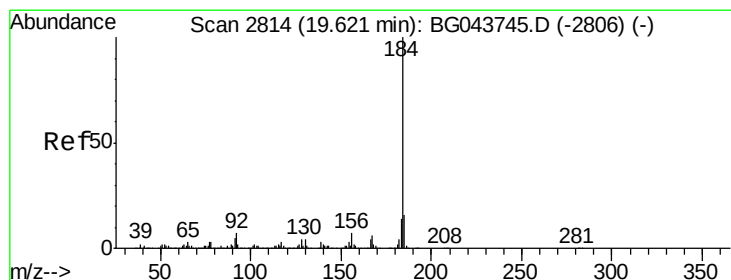
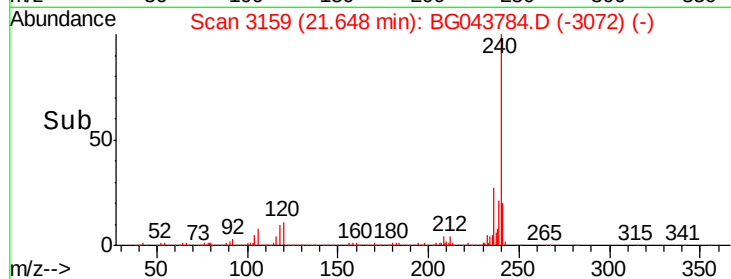
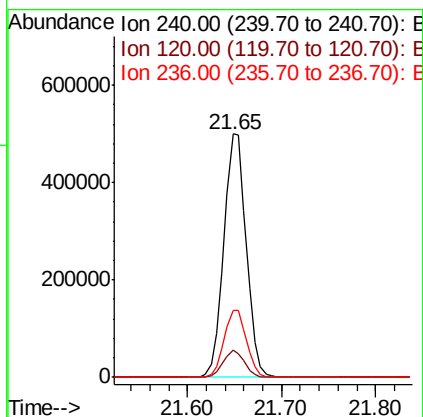
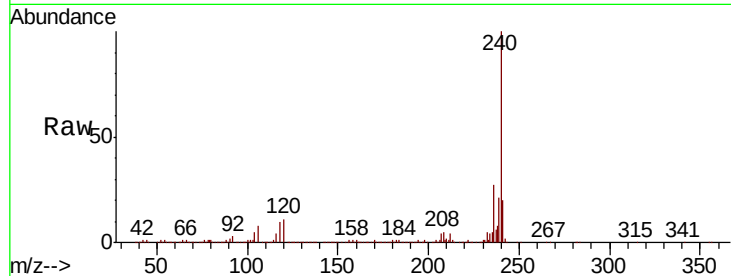




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.02 min
Lab File: BG043784.D
Acq: 27 Nov 2019 00:32

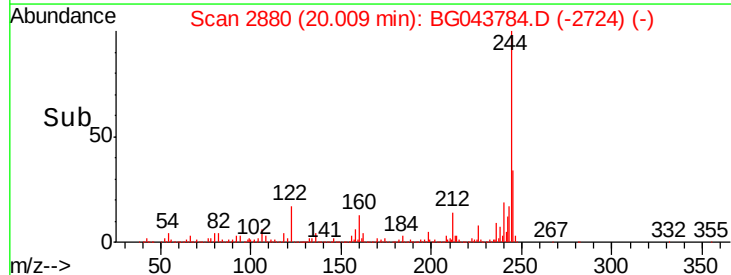
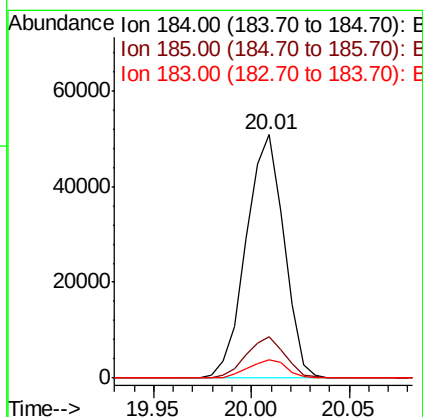
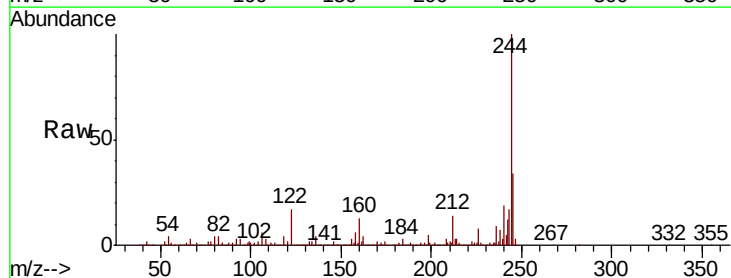
Instrument :
BNA_G
ClientSampleId :

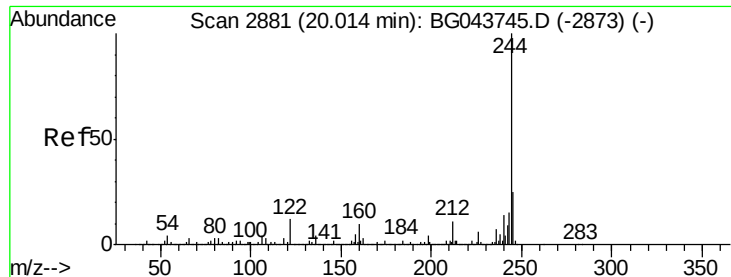
Tot Ion:240 Resp: 829041
Ion Ratio Lower Upper
240 100
120 11.0 7.5 11.3
236 27.5 22.6 34.0



#77
Benzidine
Concen: 2.822 ng
RT: 20.01 min Scan# 2880
Delta R.T. 0.39 min
Lab File: BG043784.D
Acq: 27 Nov 2019 00:32

Tgt Ion:184 Resp: 68330
Ion Ratio Lower Upper
184 100
185 16.8 12.8 19.2
183 7.6 11.3 16.9#





#79

Terphenyl-d14

Concen: 80.858 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG043784.D

Acq: 27 Nov 2019 00:32

Instrument :

BNA_G

ClientSampleId :

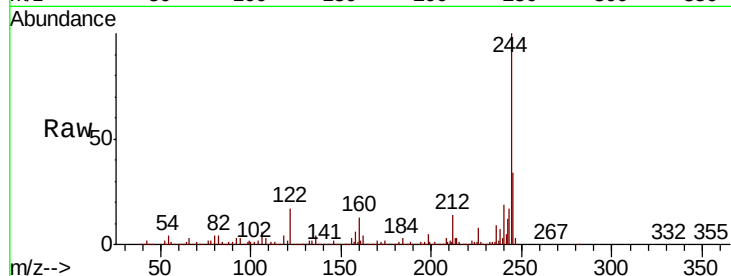
Tot Ion:244 Resp: 2966602

Ion Ratio Lower Upper

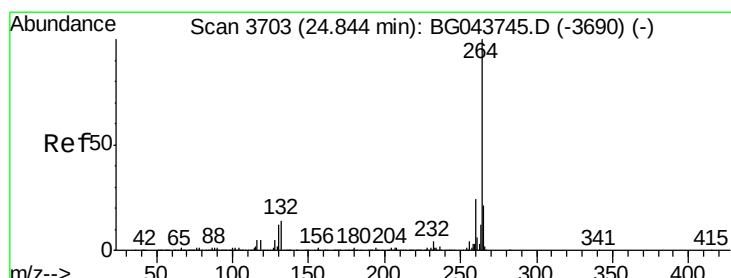
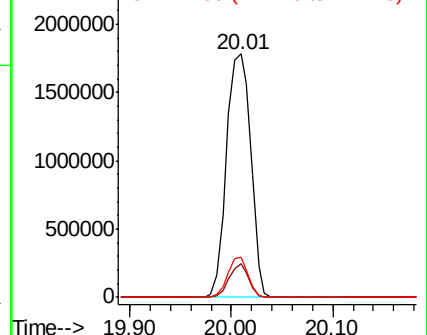
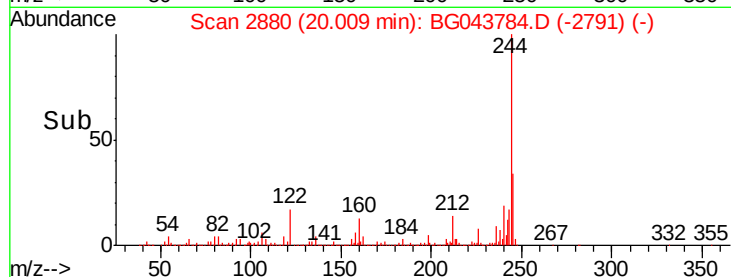
244 100

212 14.0 8.5 12.7#

122 16.7 9.5 14.3#



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: 24.83 min Scan# 3700

Delta R.T. -0.02 min

Lab File: BG043784.D

Acq: 27 Nov 2019 00:32

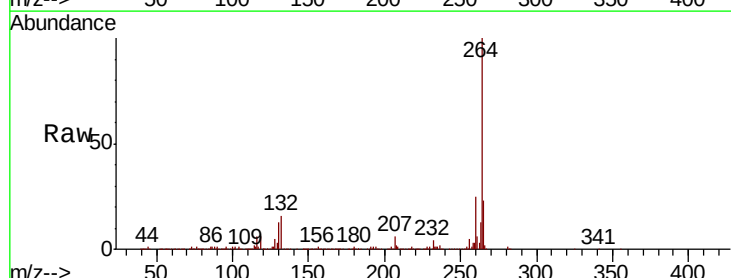
Tgt Ion:264 Resp: 800538

Ion Ratio Lower Upper

264 100

260 25.4 19.4 29.2

265 23.0 17.0 25.6



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

