

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112519\
 Data File : BG043773.D
 Acq On : 25 Nov 2019 17:34
 Operator : JU
 Sample : K5933-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-01

Quant Time: Nov 26 00:25:45 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	69057	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	327728	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	267039	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	806686	20.00	ng	0.00
76) Chrysene-d12	21.65	240	810671	20.00	ng	-0.01
87) Perylene-d12	24.83	264	758884	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	640934	166.86	ng	0.00
7) Phenol-d6	7.18	99	943704	169.00	ng	0.00
23) Nitrobenzene-d5	9.18	82	543885	91.25	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	493022	153.07	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1336914	82.30	ng	0.00
79) Terphenyl-d14	20.01	244	3028277	84.41	ng	0.00

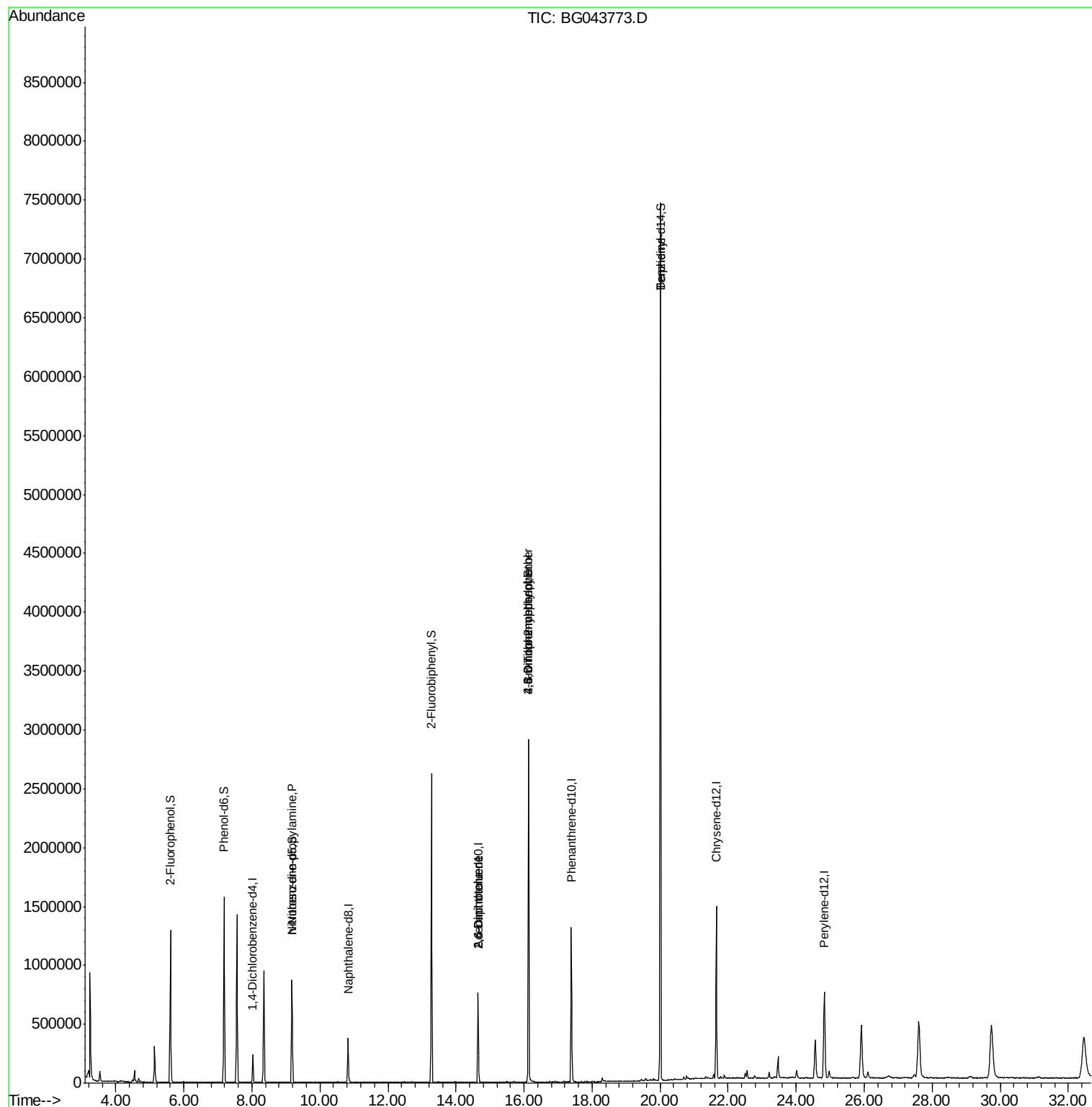
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.18	70	73896	16.828	ng	# 69
51) 2,6-Dinitrotoluene	14.65	165	34859	8.874	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	34859	6.398	ng	# 24
60) Diethylphthalate	15.46	149	1112	Below Cal		# 83
65) 4,6-Dinitro-2-methylphenol	16.13	198	2017	4.867	ng	# 1
67) 4-Bromophenyl-phenylether	16.13	248	39280	4.617	ng	# 1
73) Carbazole	17.79	167	2275	Below Cal		# 96
77) Benzidine	20.01	184	73602	3.108	ng	# 90

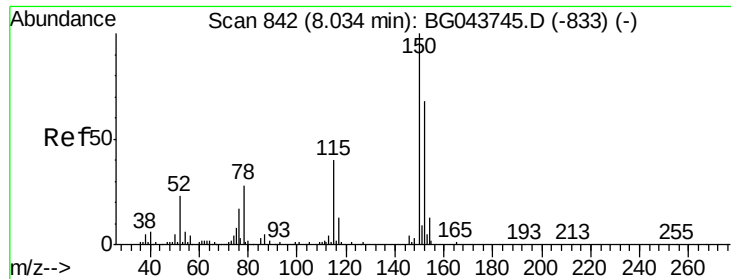
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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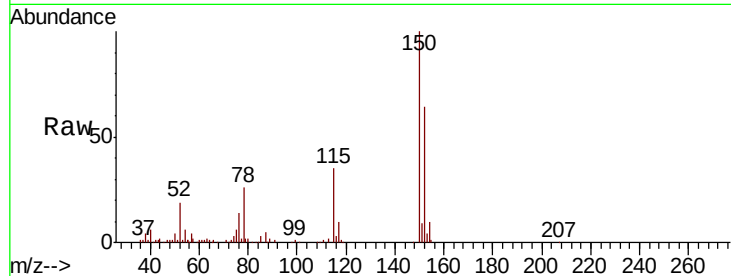


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG043773.D
Acq: 25 Nov 2019 17:34

Instrument :
BNA_G
ClientSampleId :
WC-COMP-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	117.8	176.8
115	53.9	47.0	70.4

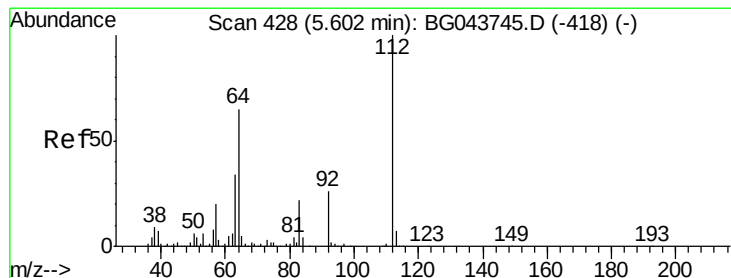
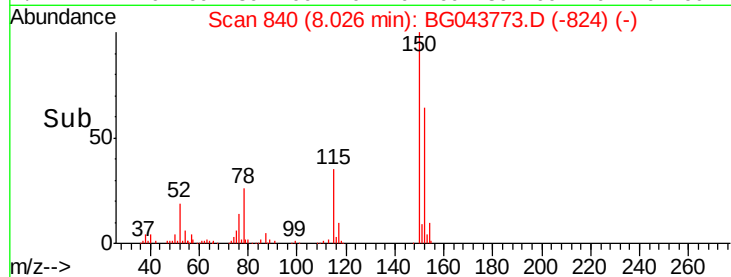
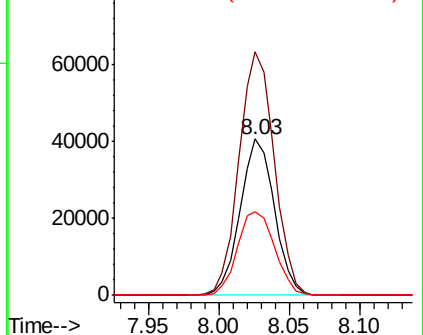


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

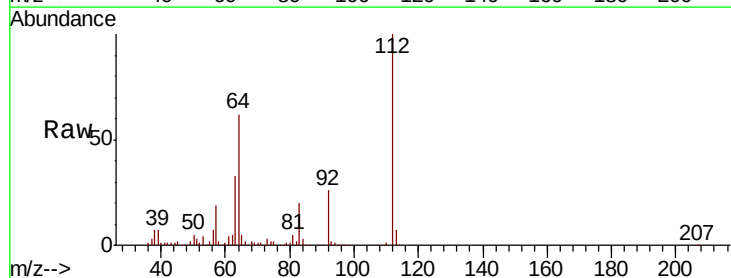
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 166.856 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043773.D
Acq: 25 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	51.7	77.5
63	32.8	26.8	40.2

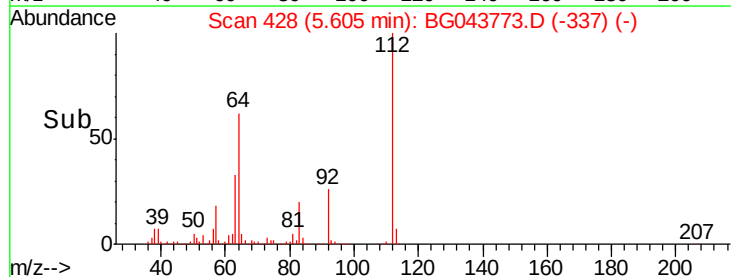
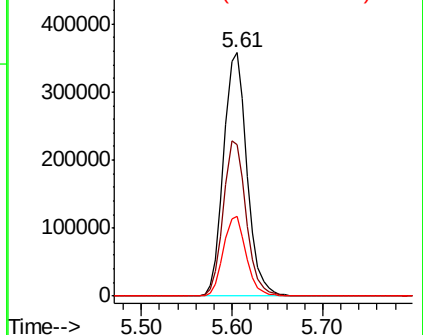


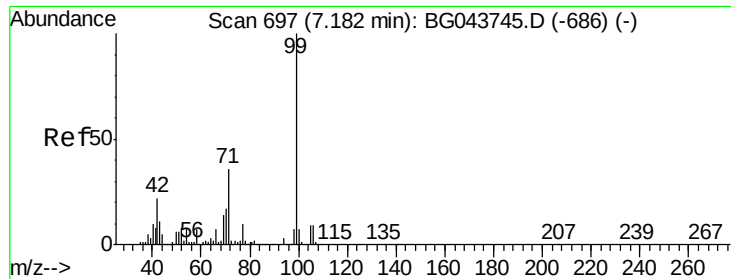
Abundance

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: 169.005 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043773.D

Acq: 25 Nov 2019 17:34

Instrument :

BNA_G

ClientSampleId :

WC-COMP-01

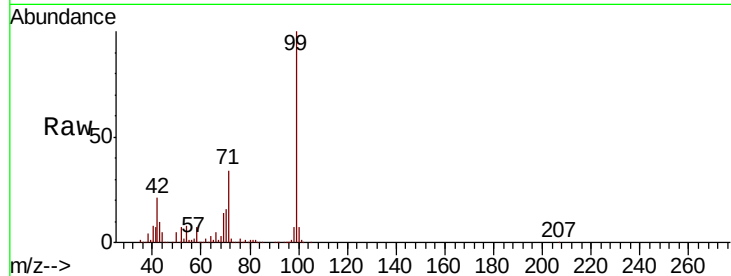
Tot Ion: 99 Resp: 943704

Ion Ratio Lower Upper

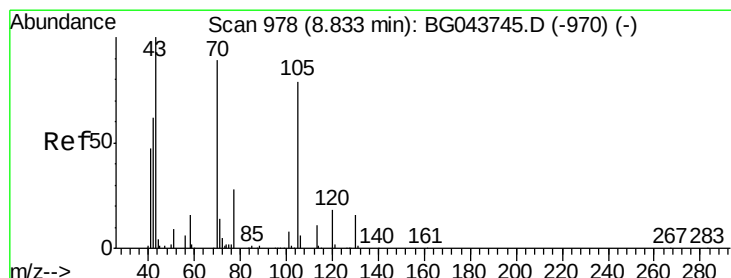
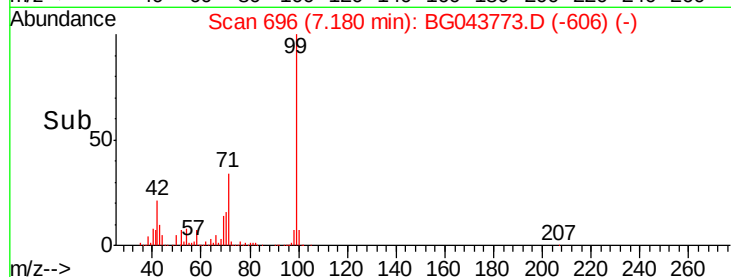
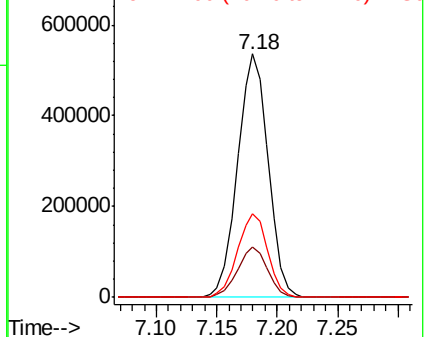
99 100

42 20.8 17.4 26.0

71 34.3 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: 16.828 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG043773.D

Acq: 25 Nov 2019 17:34

Tgt Ion: 70 Resp: 73896

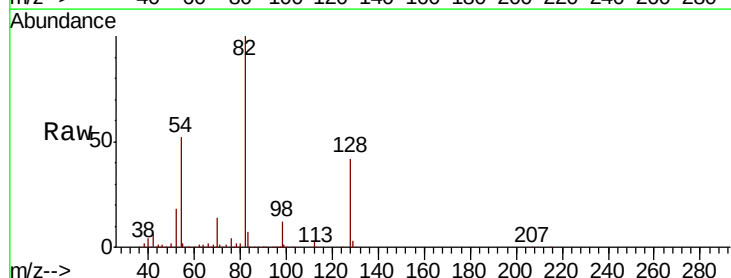
Ion Ratio Lower Upper

70 100

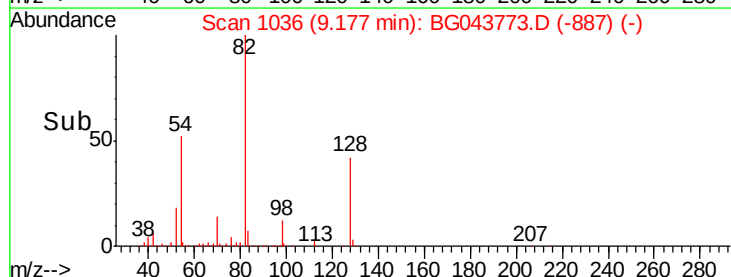
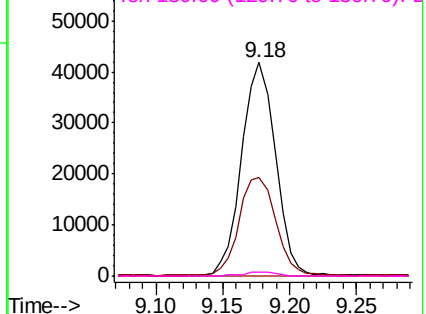
42 45.9 56.4 84.6#

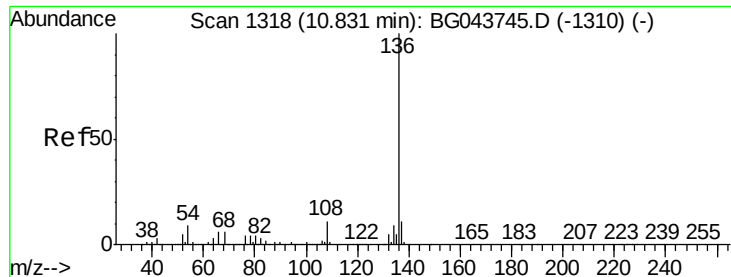
101 0.0 6.7 10.1#

130 2.1 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# 1317

Delta R.T. -0.00 min

Lab File: BG043773.D

Acq: 25 Nov 2019 17:34

Instrument :

BNA_G

ClientSampleId :

WC-COMP-01

Tot Ion:136 Resp: 327728

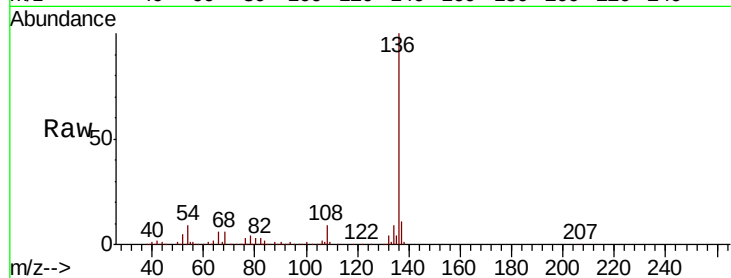
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.8 7.5 11.3

68 6.0 4.9 7.3

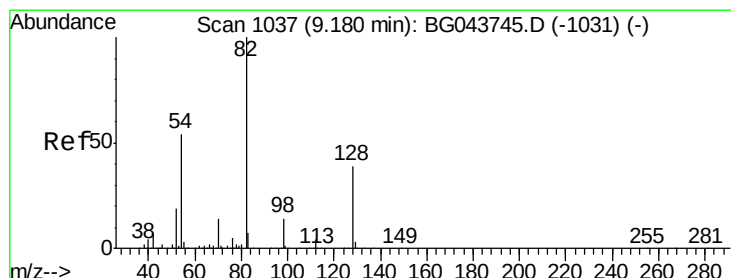
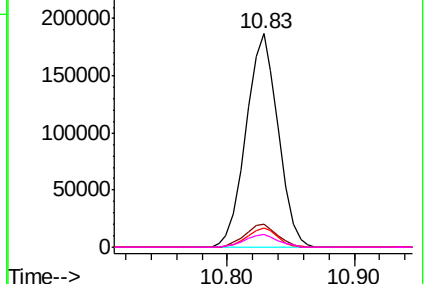
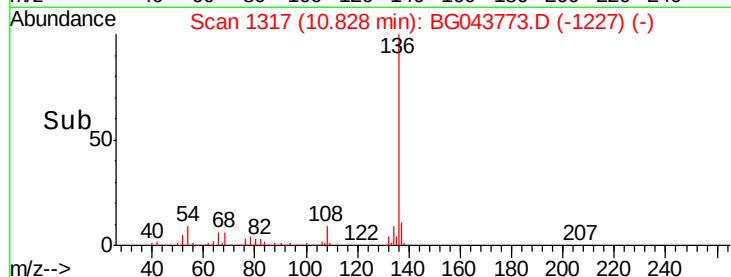


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.247 ng

RT: 9.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG043773.D

Acq: 25 Nov 2019 17:34

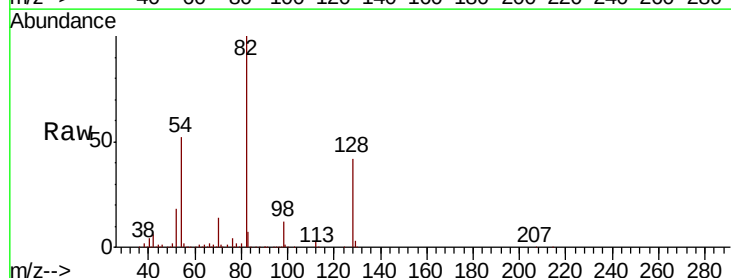
Tgt Ion: 82 Resp: 543885

Ion Ratio Lower Upper

82 100

128 41.8 31.3 46.9

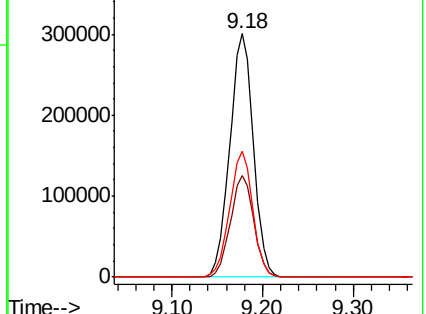
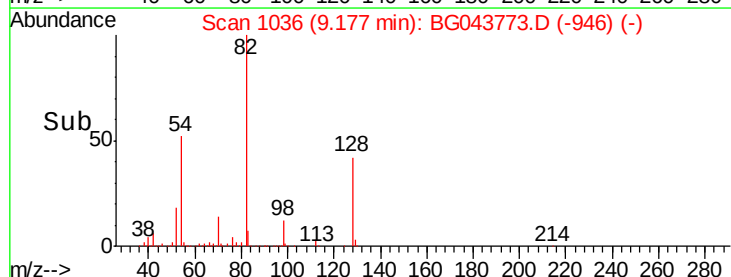
54 51.7 42.7 64.1

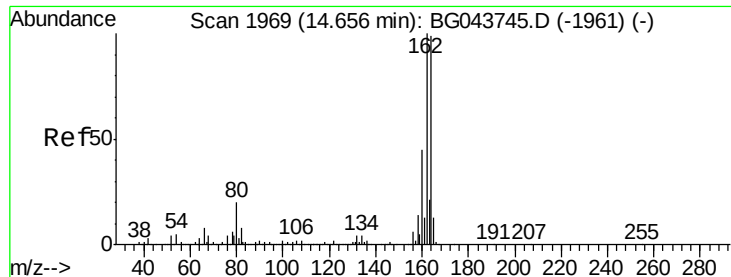


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 1967

Delta R.T. -0.01 min

Lab File: BG043773.D

Acq: 25 Nov 2019 17:34

Instrument :

BNA_G

ClientSampleId :

WC-COMP-01

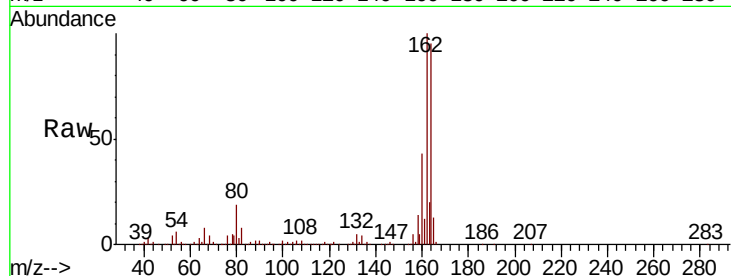
Tot Ion:164 Resp: 267039

Ion Ratio Lower Upper

164 100

162 104.7 80.6 121.0

160 45.5 36.3 54.5

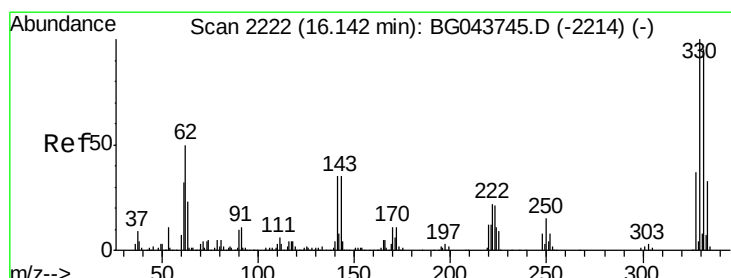
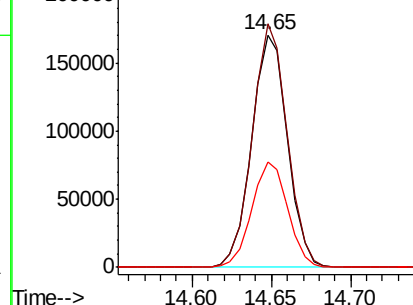
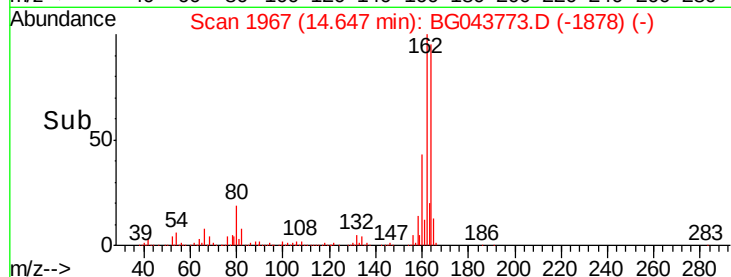


Abundance

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: 153.070 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BG043773.D

Acq: 25 Nov 2019 17:34

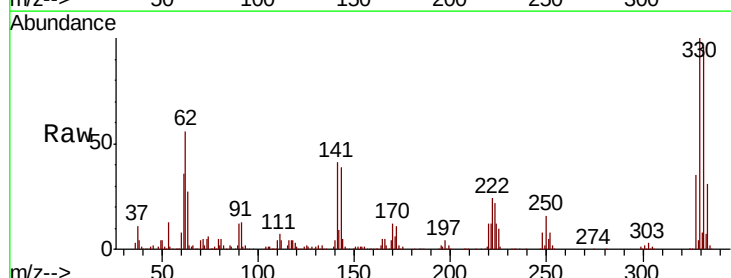
Tgt Ion:330 Resp: 493022

Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

141 41.1 31.4 47.2

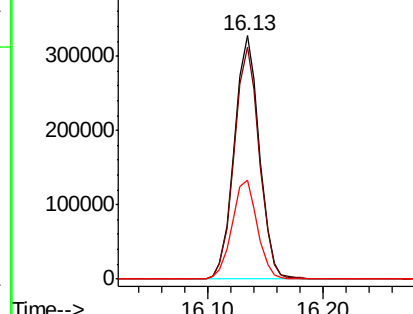
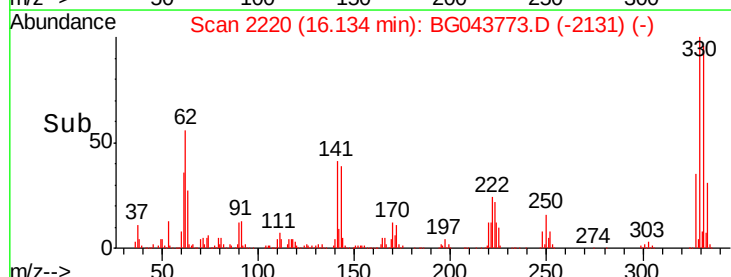


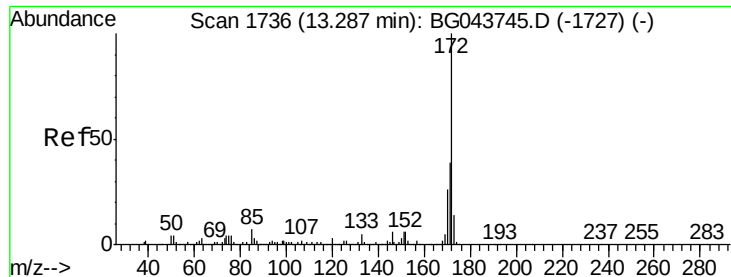
Abundance

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

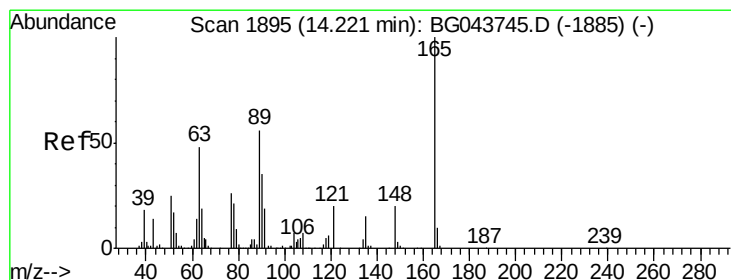
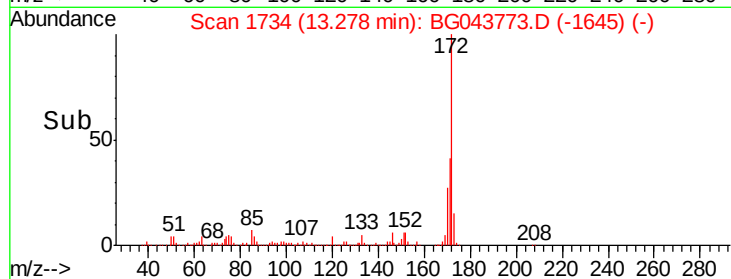
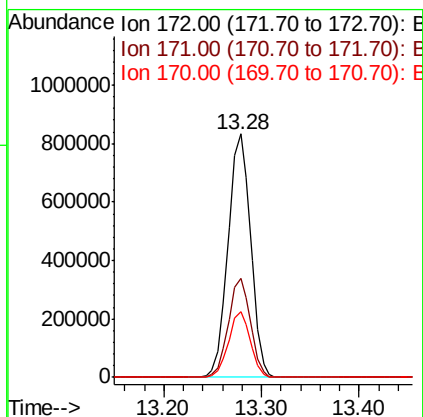
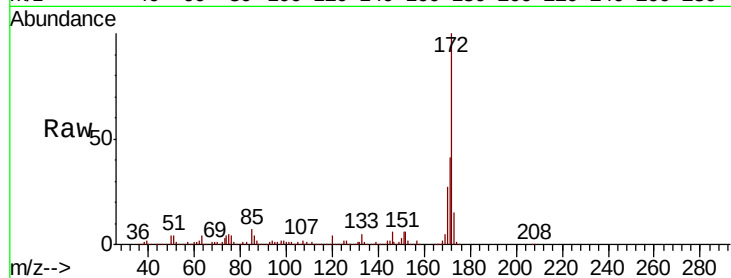




#45
2-Fluorobiphenyl
Concen: 82.295 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG043773.D
Acq: 25 Nov 2019 17:34

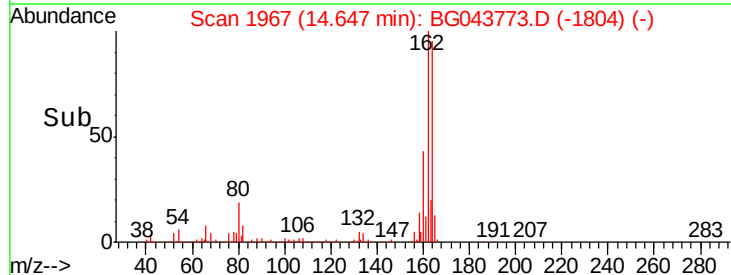
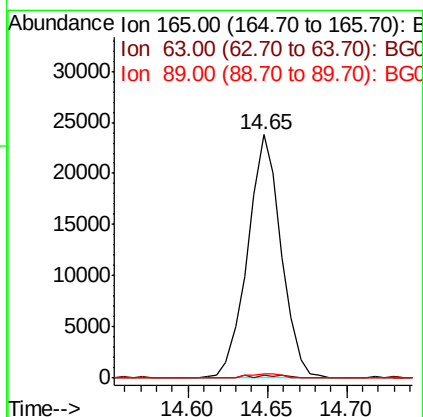
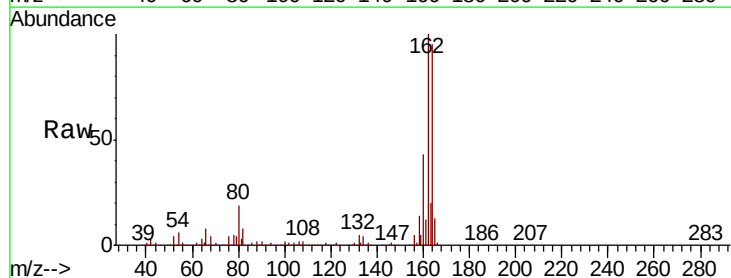
Instrument :
BNA_G
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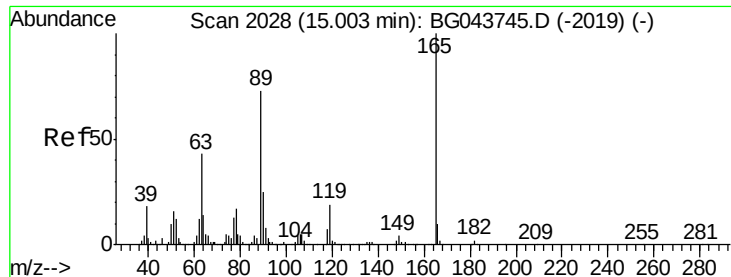
Tot Ion:172 Resp: 1336914
Ion Ratio Lower Upper
172 100
171 40.8 31.0 46.6
170 27.2 21.0 31.4



#51
2,6-Dinitrotoluene
Concen: 8.874 ng
RT: 14.65 min Scan# 1967
Delta R.T. 0.43 min
Lab File: BG043773.D
Acq: 25 Nov 2019 17:34

Tgt Ion:165 Resp: 34859
Ion Ratio Lower Upper
165 100
63 1.3 43.4 65.2#
89 1.8 44.6 67.0#

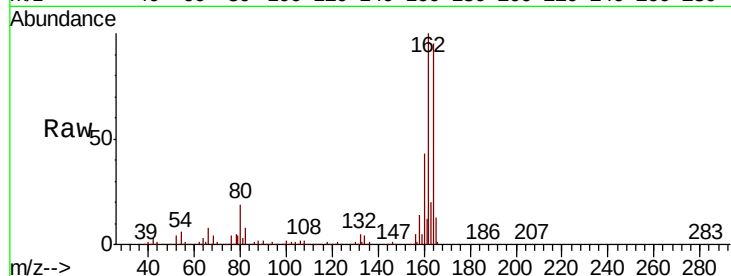




#57
 2,4-Dinitrotoluene
 Concen: 6.398 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043773.D
 Acq: 25 Nov 2019 17:34

Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-01

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.6	51.8#
89	1.8	58.3	87.5#
182	0.0	1.9	2.9#

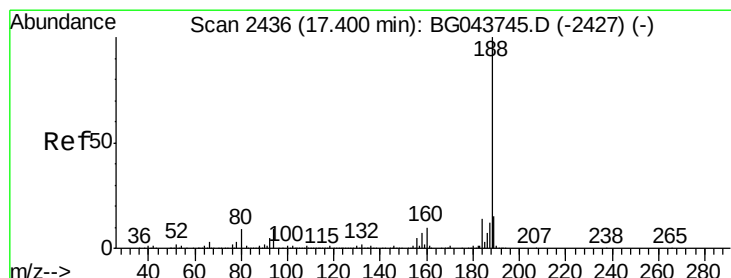
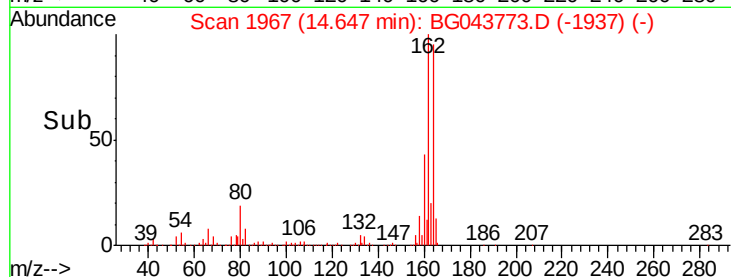
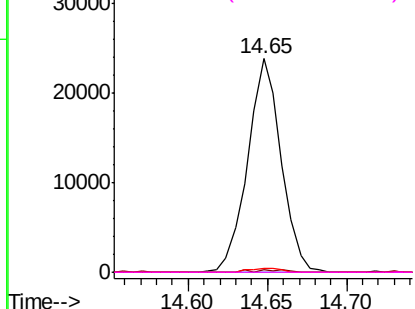


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

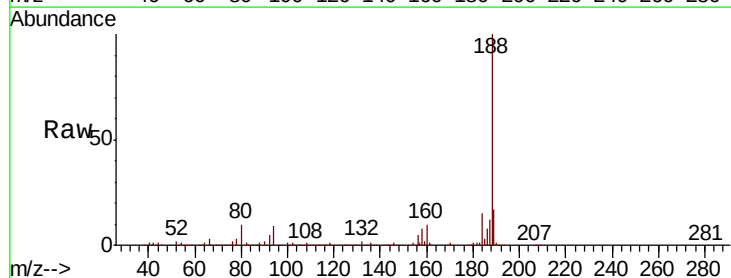
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BG043773.D
 Acq: 25 Nov 2019 17:34

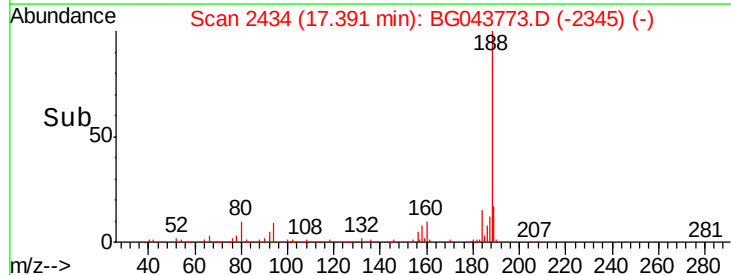
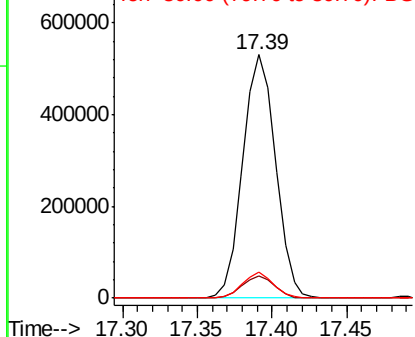
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.9	10.3
80	10.5	7.5	11.3

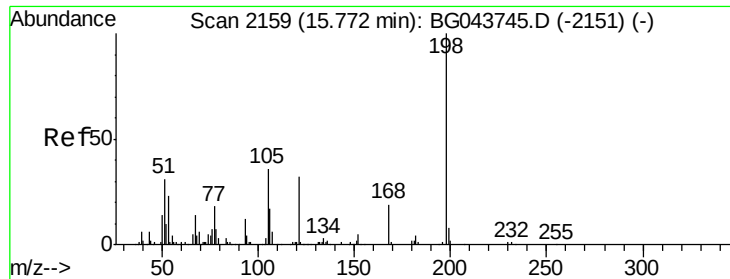


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

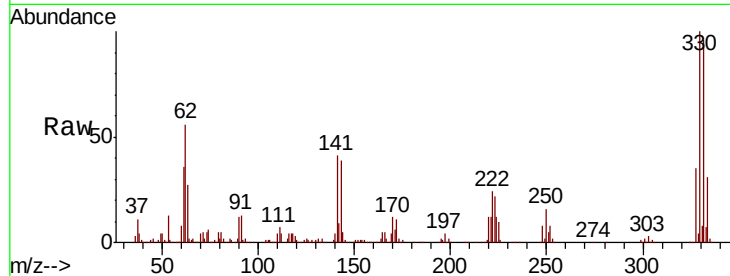




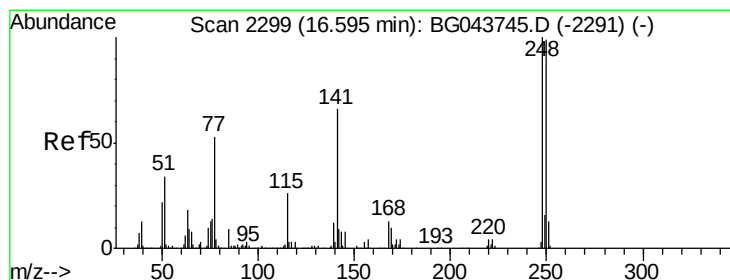
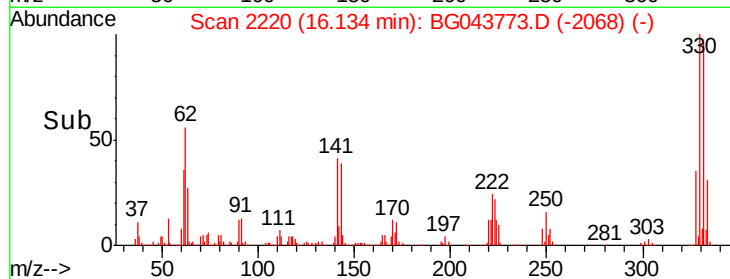
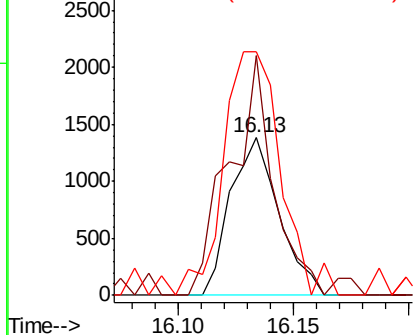
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.867 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.36 min
 Lab File: BG043773.D
 Acq: 25 Nov 2019 17:34

Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-01

Tot Ion:198 Resp: 2017
 Ion Ratio Lower Upper
 198 100
 51 152.2 16.8 56.8#
 105 154.8 17.3 57.3#

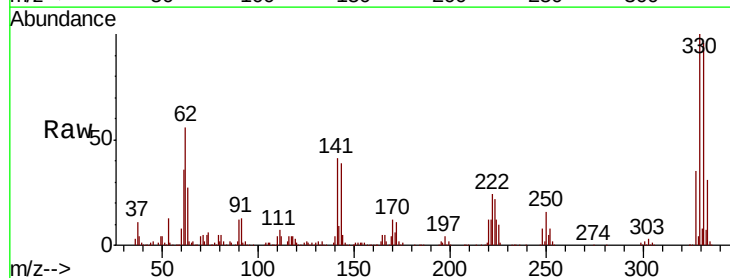


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

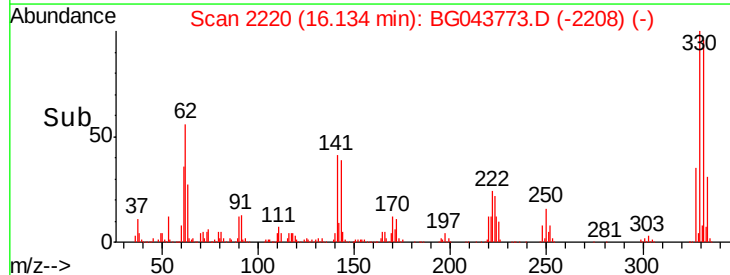
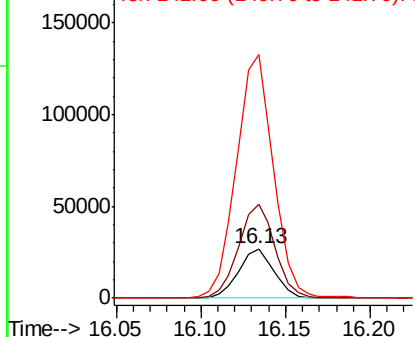


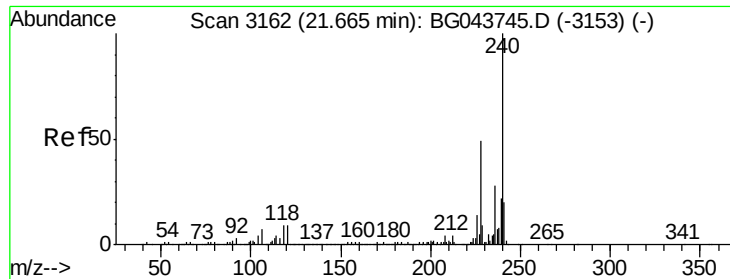
#67
 4-Bromophenyl-phenylether
 Concen: 4.617 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.46 min
 Lab File: BG043773.D
 Acq: 25 Nov 2019 17:34

Tgt Ion:248 Resp: 39280
 Ion Ratio Lower Upper
 248 100
 250 189.9 79.3 118.9#
 141 490.7 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

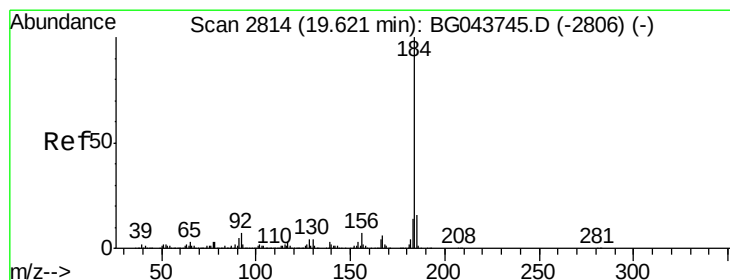
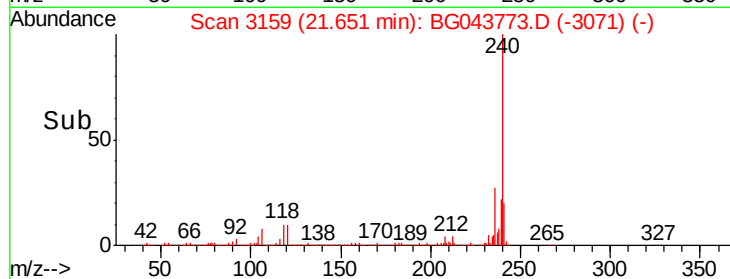
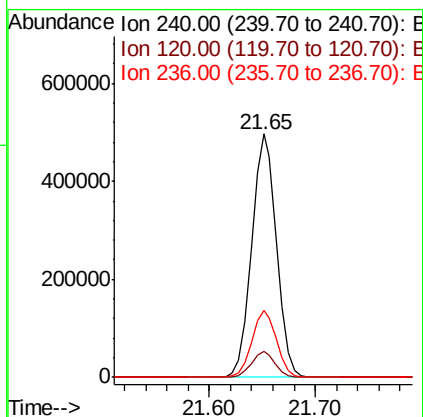
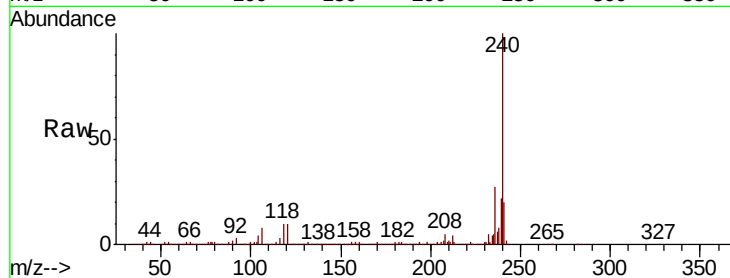




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG043773.D
 Acq: 25 Nov 2019 17:34

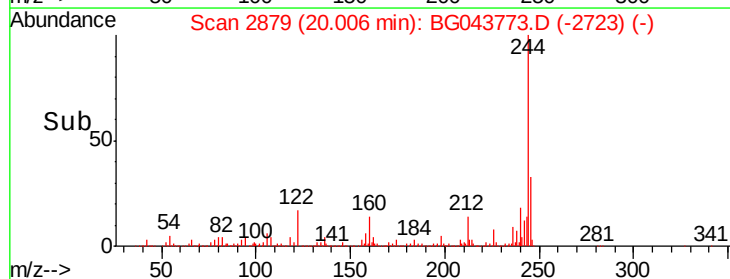
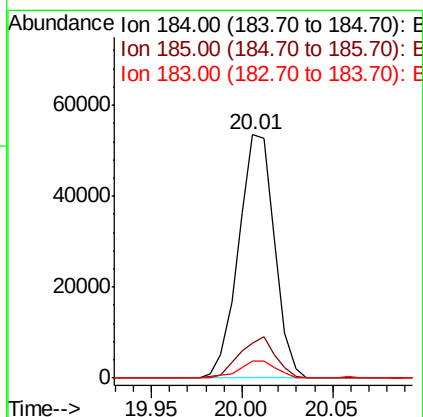
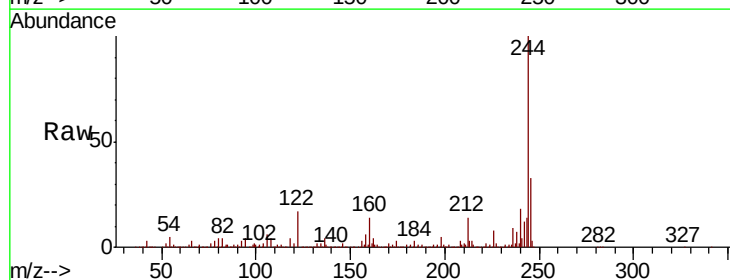
Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-01

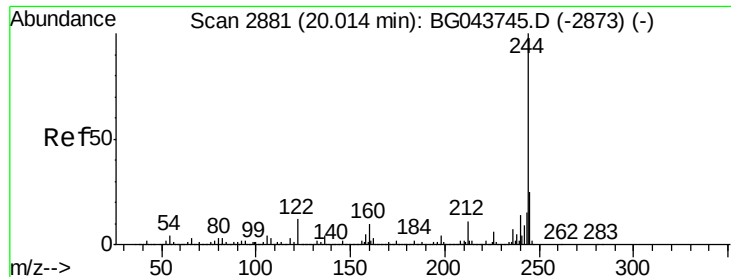
Tot Ion:240 Resp: 810671
 Ion Ratio Lower Upper
 240 100
 120 10.5 7.5 11.3
 236 27.5 22.6 34.0



#77
 Benzidine
 Concen: 3.108 ng
 RT: 20.01 min Scan# 2879
 Delta R.T. 0.39 min
 Lab File: BG043773.D
 Acq: 25 Nov 2019 17:34

Tgt Ion:184 Resp: 73602
 Ion Ratio Lower Upper
 184 100
 185 14.3 12.8 19.2
 183 7.1 11.3 16.9#





#79

Terphenyl-d14

Concen: 84.409 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043773.D

Acq: 25 Nov 2019 17:34

Instrument :

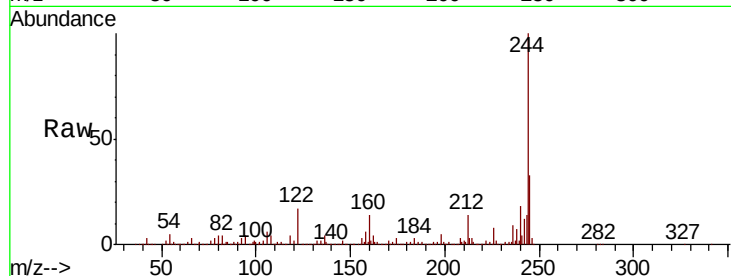
BNA_G

ClientSampleId :

WC-COMP-01

Tot Ion:244 Resp: 3028277

Ion	Ratio	Lower	Upper
244	100		
212	13.6	8.5	12.7#
122	16.7	9.5	14.3#

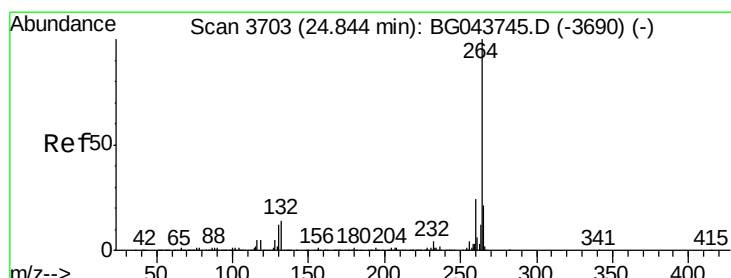
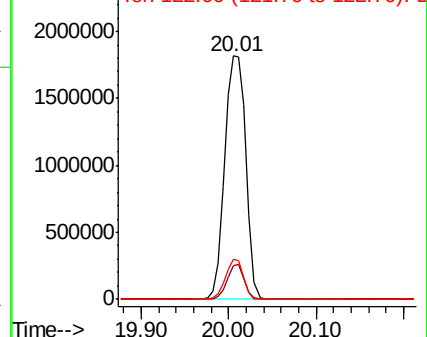
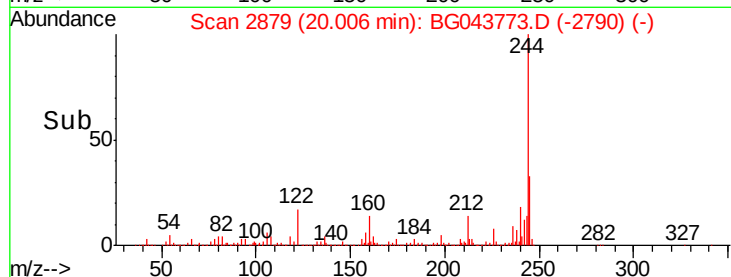


Abundance

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

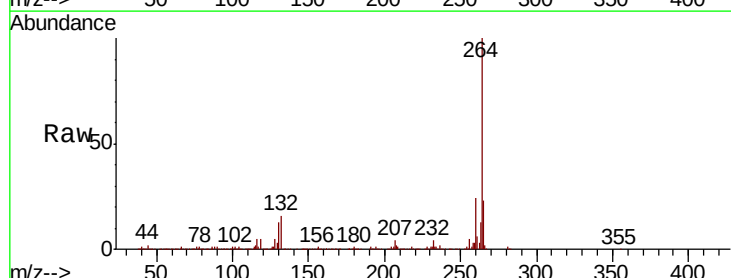
Delta R.T. -0.01 min

Lab File: BG043773.D

Acq: 25 Nov 2019 17:34

Tgt Ion:264 Resp: 758884

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	22.5	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

