

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041719\
 Data File : BG040552.D
 Acq On : 18 Apr 2019 5:54
 Operator : JU/SJ
 Sample : K2434-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 18 07:22:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 13 00:33:11 2019
 Response via : Initial Calibration

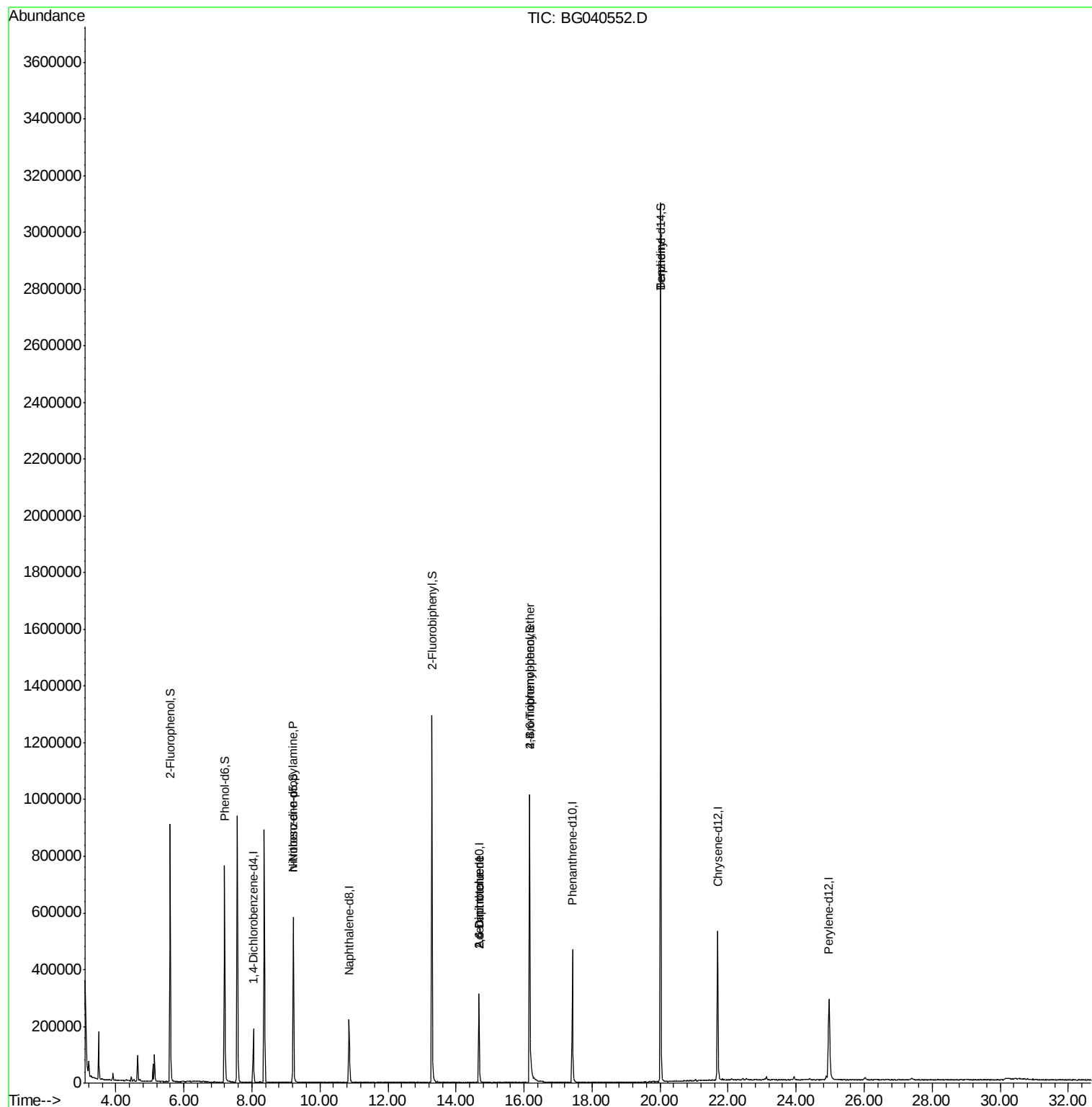
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	54437	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	205303	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	121394	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	325943	20.00	ng	0.00
76) Chrysene-d12	21.69	240	335233	20.00	ng	0.00
87) Perylene-d12	24.96	264	348142	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	377653	115.33	ng	0.00
7) Phenol-d6	7.20	99	455573	100.67	ng	0.00
23) Nitrobenzene-d5	9.22	82	359206	93.00	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	209484	159.67	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	743004	90.69	ng	0.00
79) Terphenyl-d14	20.02	244	1395972	93.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	44163	13.611	ng	# 78
51) 2,6-Dinitrotoluene	14.68	165	16128	7.560	ng	# 27
57) 2,4-Dinitrotoluene	14.68	165	16128	5.441	ng	# 27
67) 4-Bromophenyl-phenylether	16.16	248	16938	4.618	ng	# 1
77) Benzidine	20.02	184	24424	2.018	ng	# 93

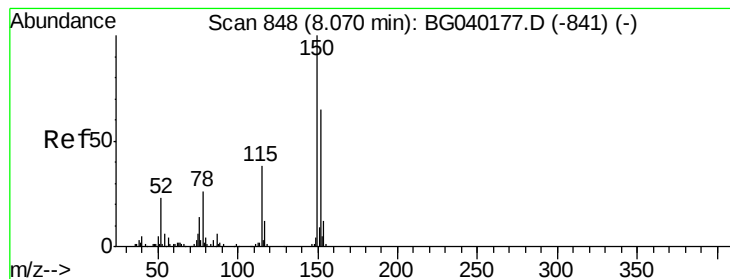
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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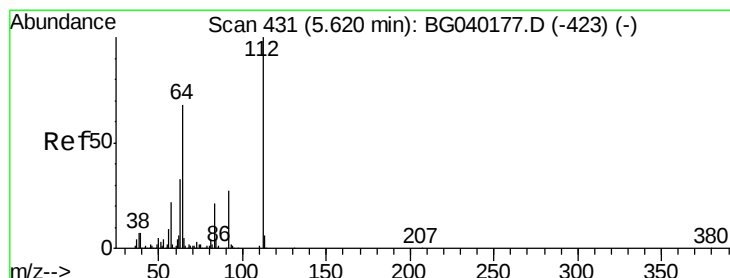
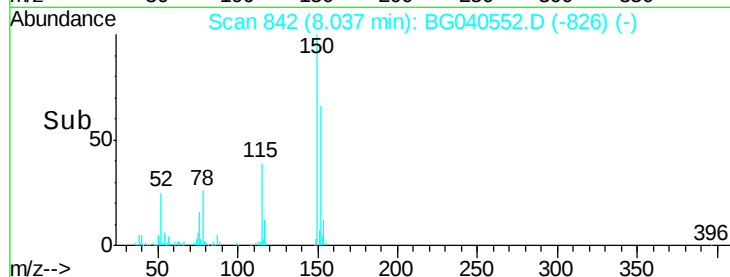
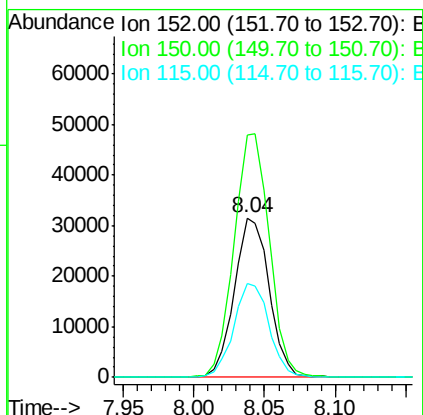
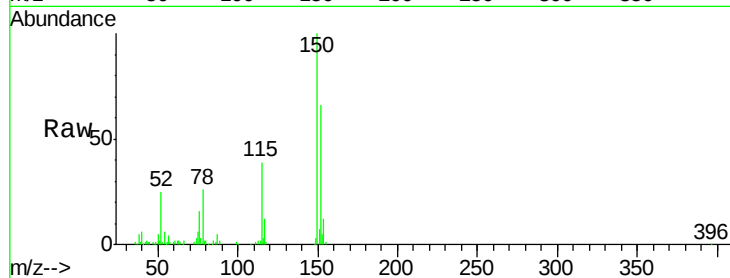


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.01 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

Instrument :
BNA_G
ClientSampleId :

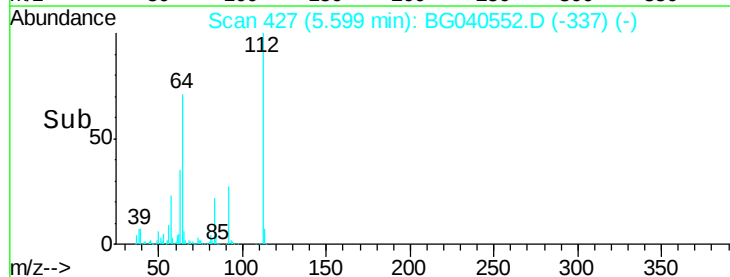
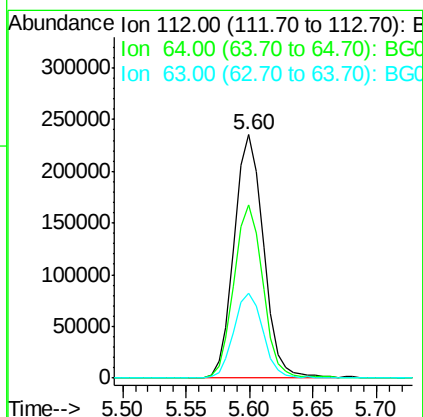
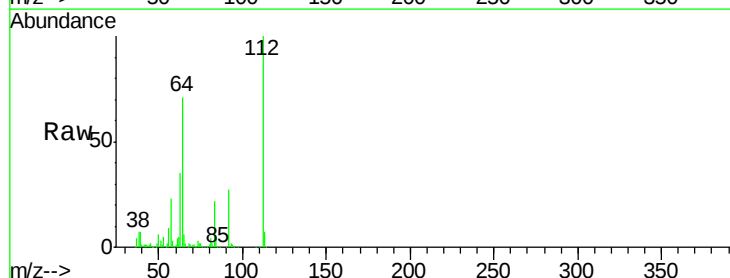
Tot Ion:152 Resp: 54437
Ion Ratio Lower Upper
152 100
150 152.0 123.7 185.5
115 58.8 46.9 70.3

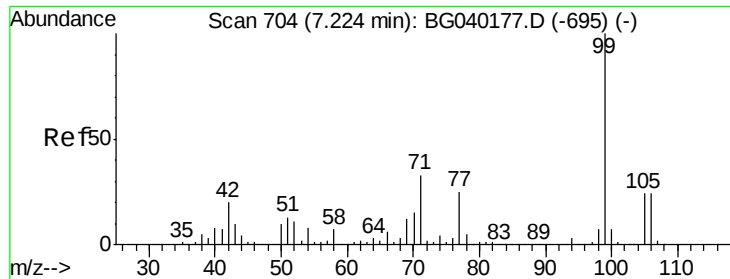


#5

2-Fluorophenol
Concen: 115.329 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

Tgt Ion:112 Resp: 377653
Ion Ratio Lower Upper
112 100
64 71.2 54.2 81.2
63 34.9 26.4 39.6





#7

Phenol-d6

Concen: 100.668 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

Instrument :

BNA_G

ClientSampleId :

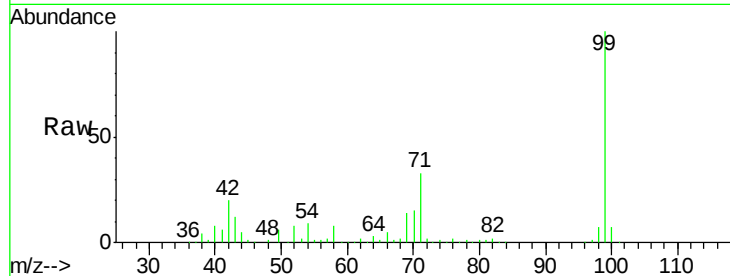
Tot Ion: 99 Resp: 455573

Ion Ratio Lower Upper

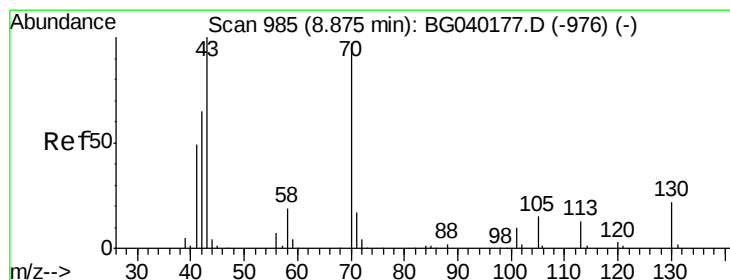
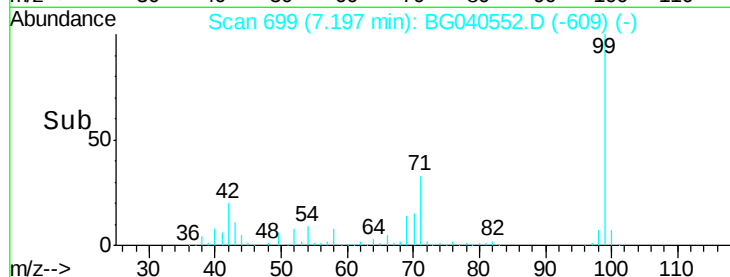
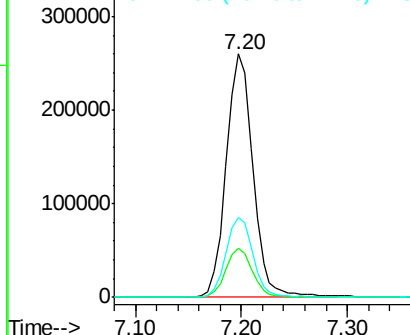
99 100

42 20.2 16.2 24.2

71 32.9 26.8 40.2



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: 13.611 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.38 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

Tgt Ion: 70 Resp: 44163

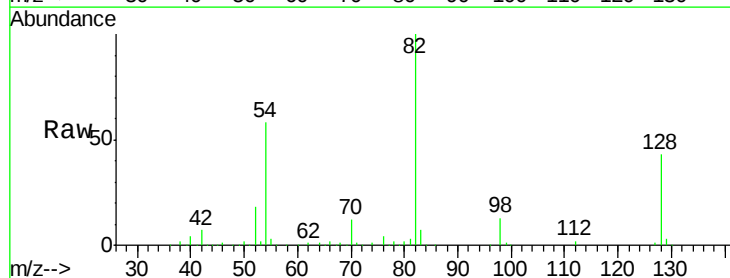
Ion Ratio Lower Upper

70 100

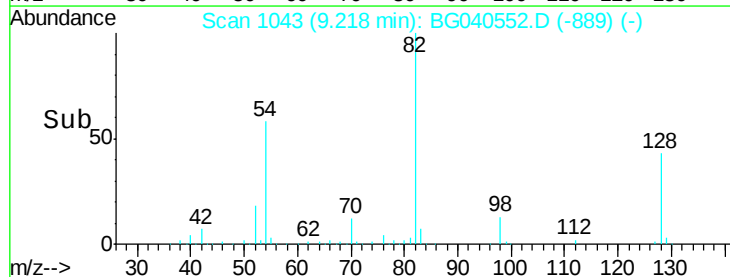
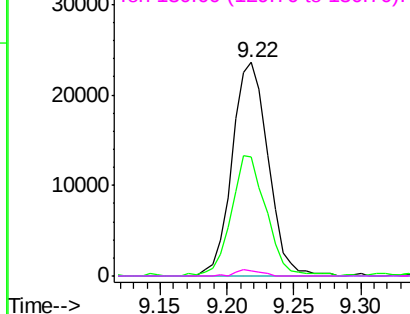
42 55.7 54.0 81.0

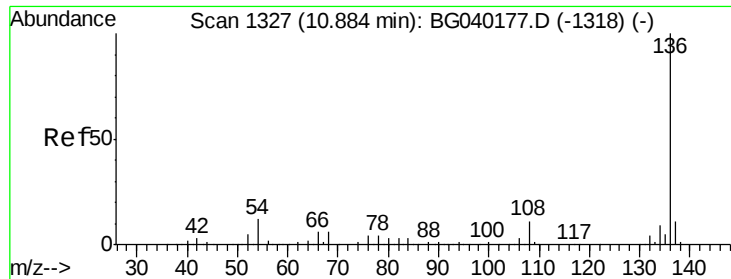
101 0.0 8.6 13.0#

130 2.4 18.2 27.2#



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

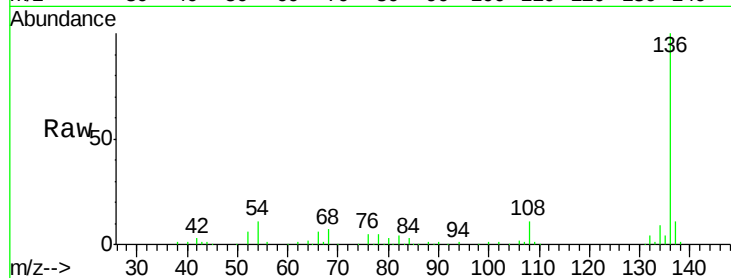




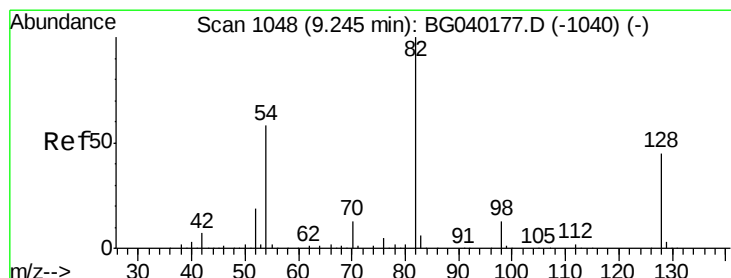
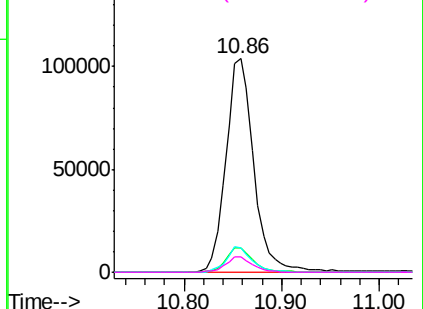
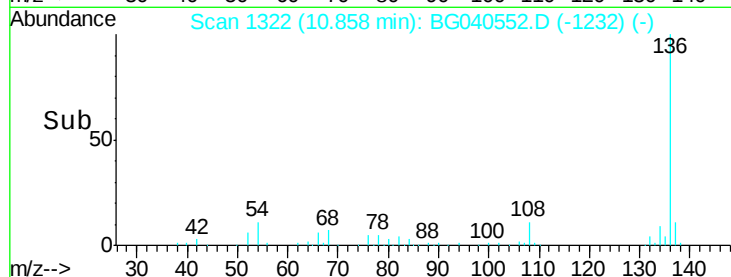
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	205303
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	11.2	9.6 14.4
68	7.1	5.1 7.7

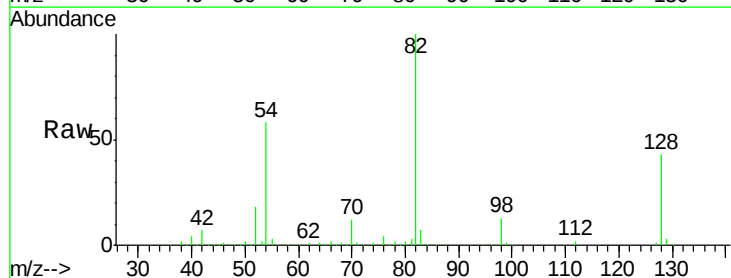


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

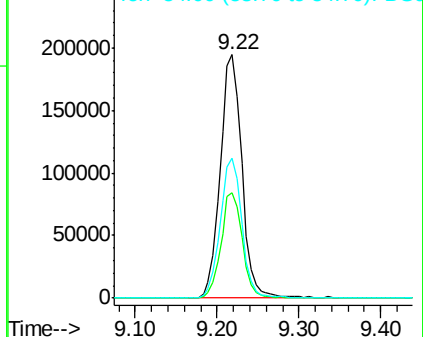
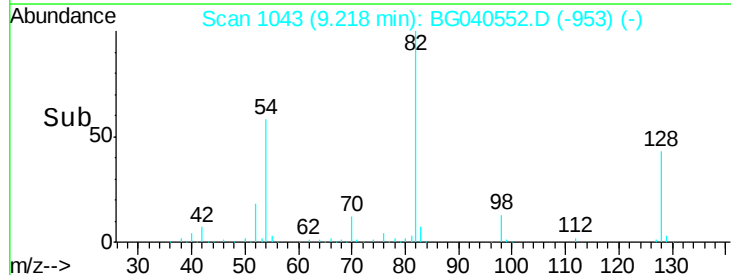


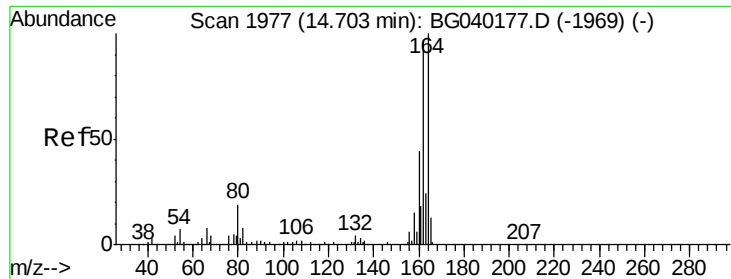
#23
Nitrobenzene-d5
Concen: 92.999 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

Tgt Ion: 82	Resp:	359206
Ion Ratio	Lower	Upper
82	100	
128	43.1	35.8 53.8
54	57.7	46.2 69.2



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

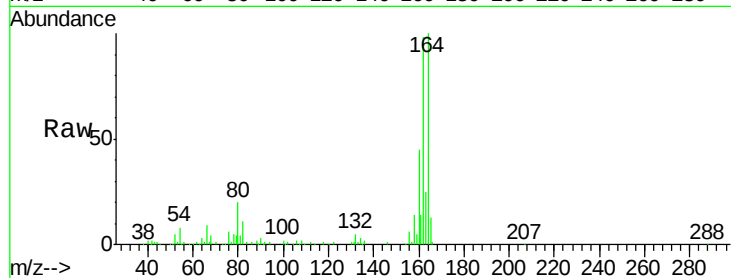




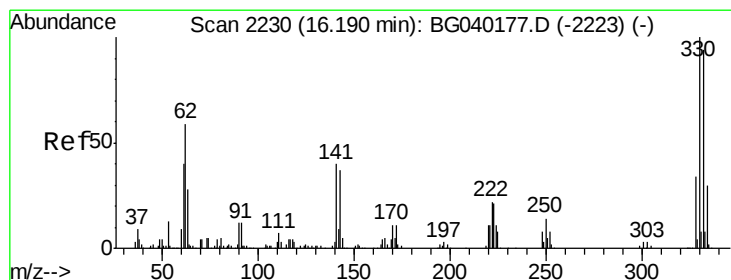
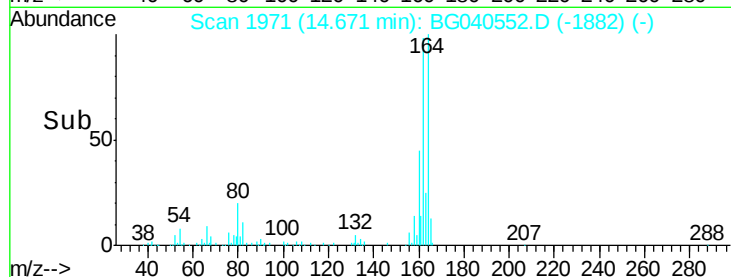
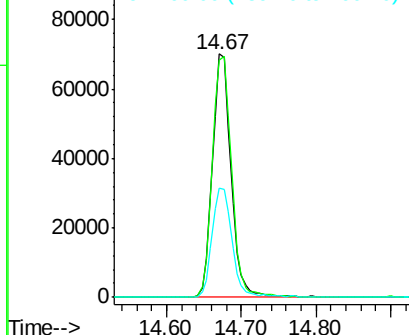
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 121394
Ion Ratio Lower Upper
164 100
162 97.5 77.4 116.2
160 45.0 35.3 52.9

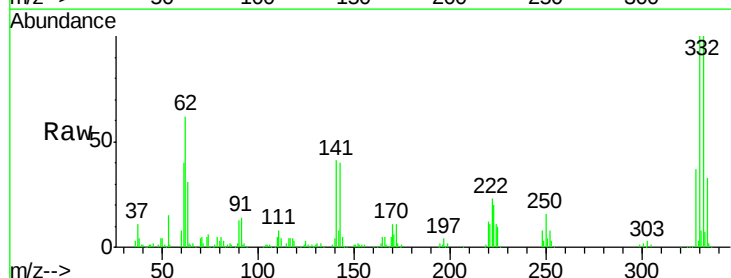


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

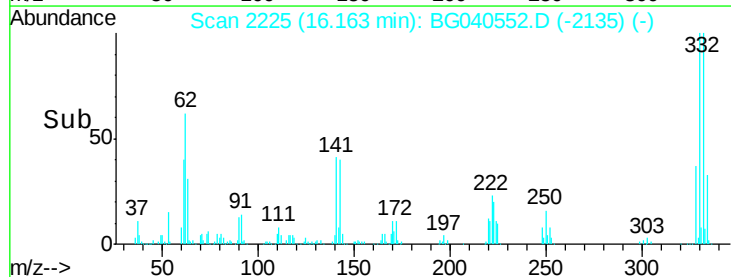
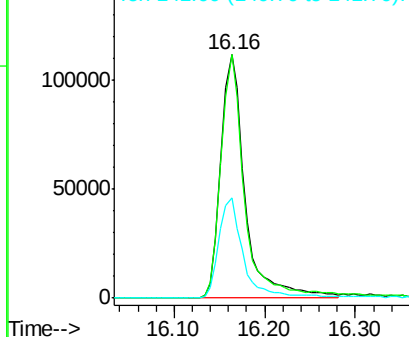


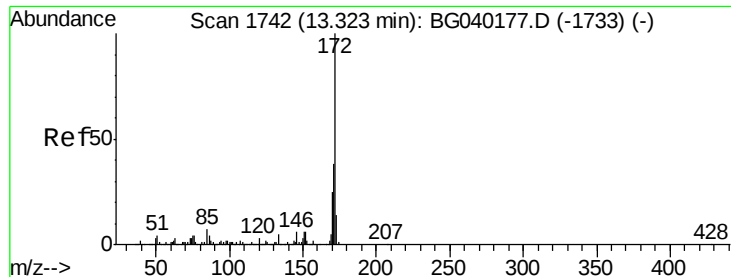
#42
2,4,6-Tribromophenol
Concen: 159.673 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

Tgt Ion:330 Resp: 209484
Ion Ratio Lower Upper
330 100
332 98.3 76.6 115.0
141 40.2 32.6 48.8



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

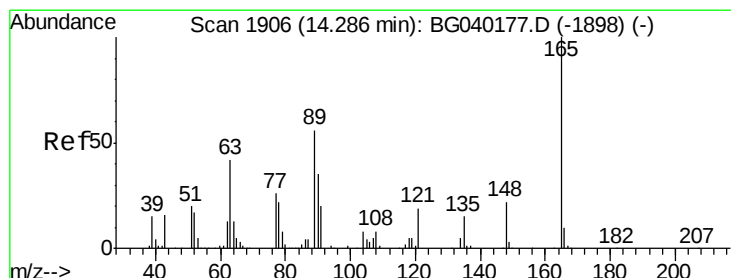
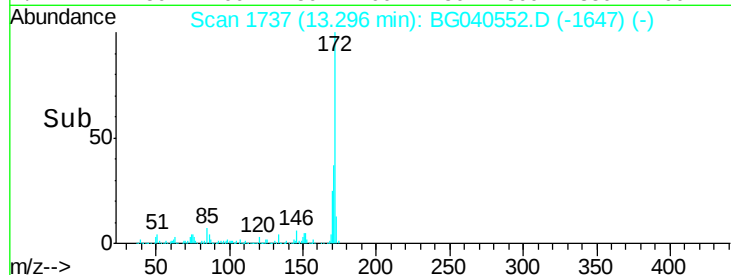
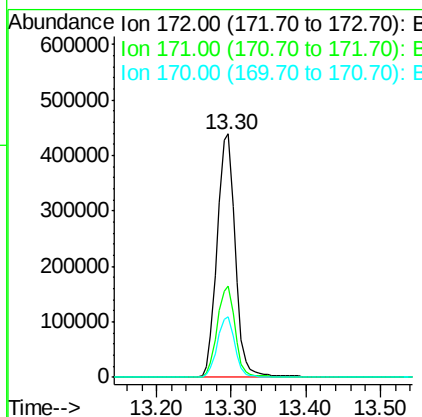
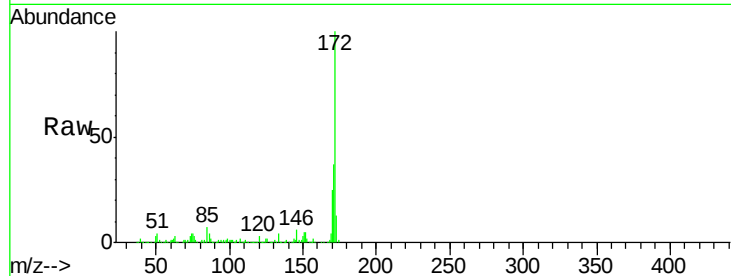




#45
2-Fluorobiphenyl
Concen: 90.693 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.00 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

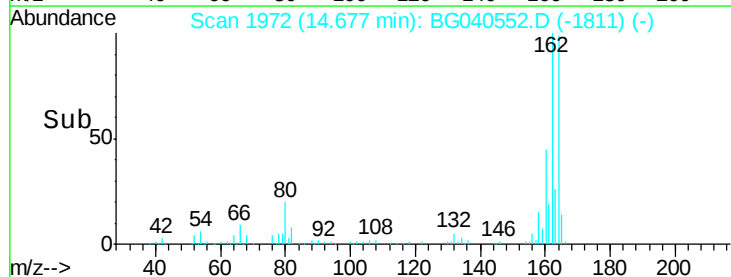
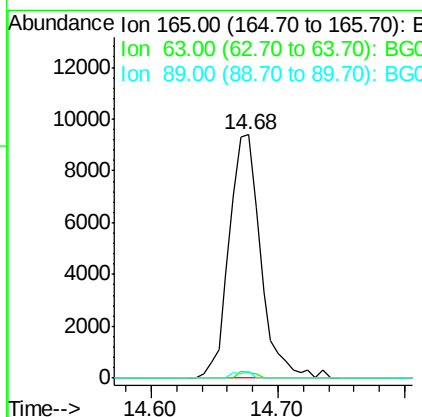
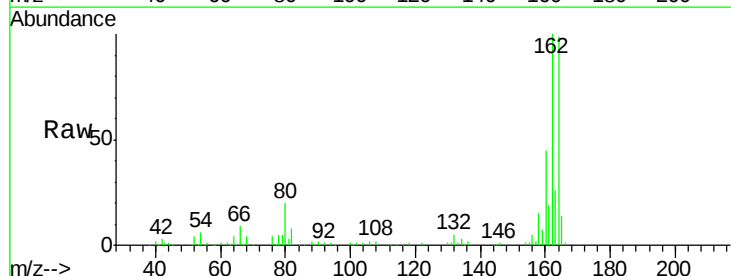
Instrument :
BNA_G
ClientSampleId :

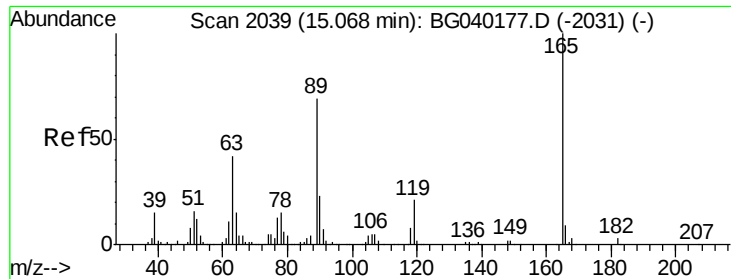
Tot Ion:172 Resp: 743004
Ion Ratio Lower Upper
172 100
171 37.3 30.5 45.7
170 24.7 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.560 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.42 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

Tgt Ion:165 Resp: 16128
Ion Ratio Lower Upper
165 100
63 2.1 44.1 66.1#
89 2.5 44.9 67.3#

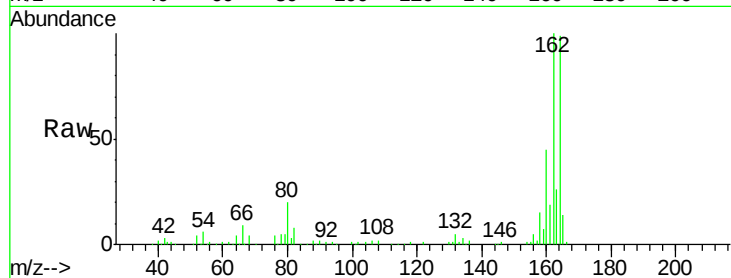




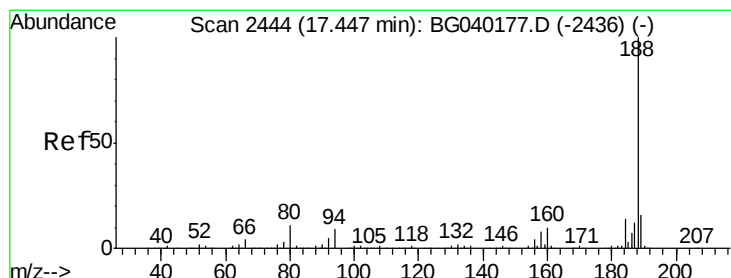
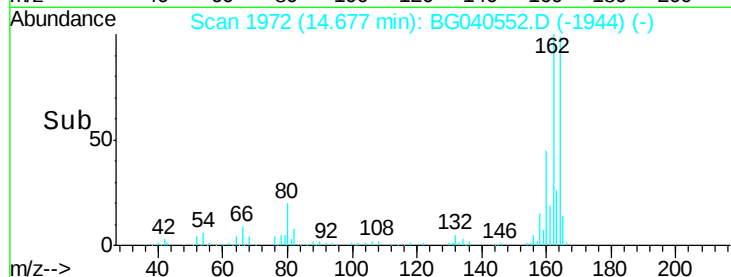
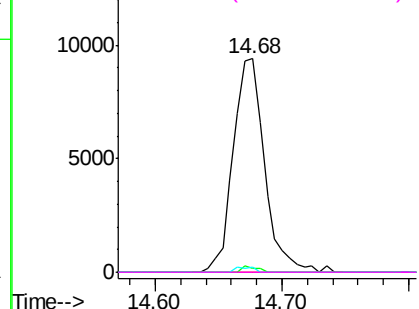
#57
 2,4-Dinitrotoluene
 Concen: 5.441 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.37 min
 Lab File: BG040552.D
 Acq: 18 Apr 2019 5:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	16128
Ion Ratio	Lower	Upper
165	100	
63	2.1	33.8 50.6#
89	2.5	55.4 83.2#
182	0.0	2.2 3.4#

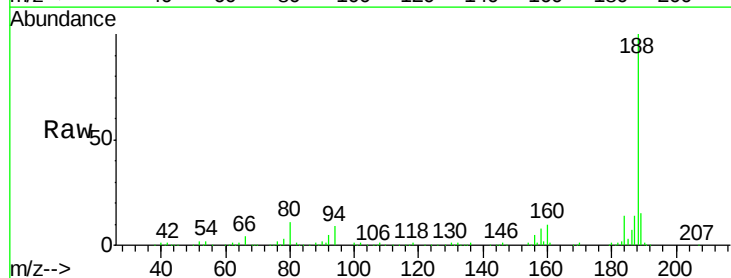


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

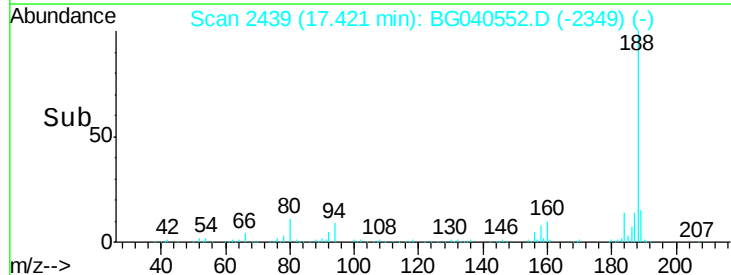
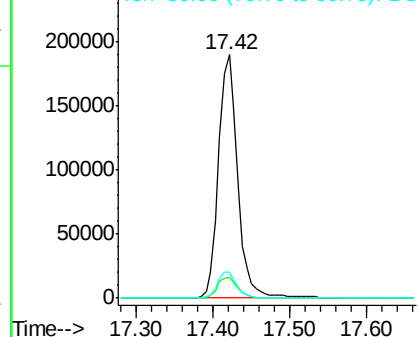


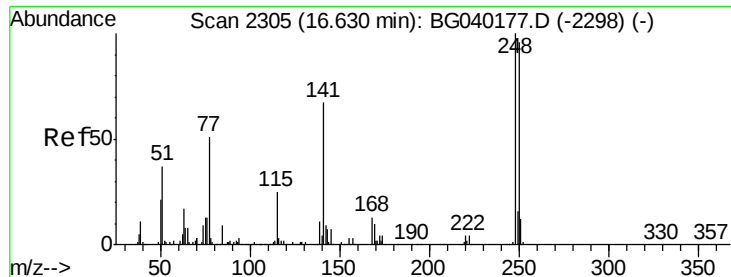
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG040552.D
 Acq: 18 Apr 2019 5:54

Tgt Ion:188	Resp:	325943
Ion Ratio	Lower	Upper
188	100	
94	8.6	7.0 10.4
80	10.7	8.6 13.0



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

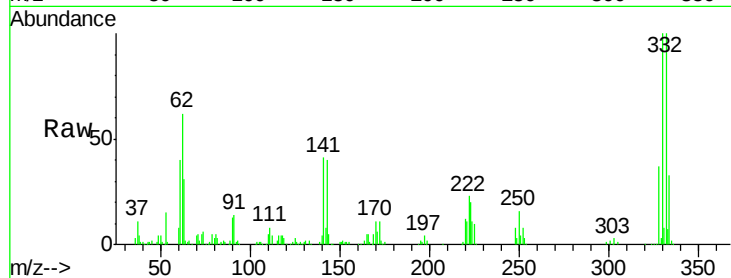




#67
 4-Bromophenyl-phenylether
 Concen: 4.618 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG040552.D
 Acq: 18 Apr 2019 5:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.2	76.4	114.6#
141	512.2	53.8	80.8#

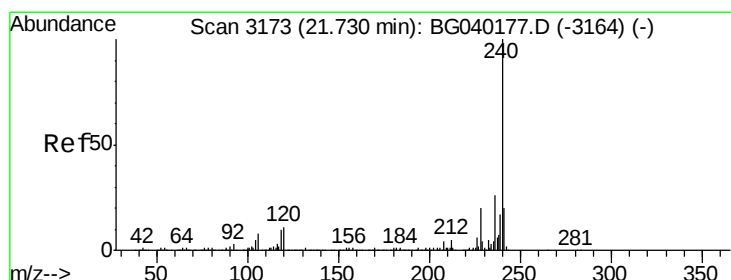
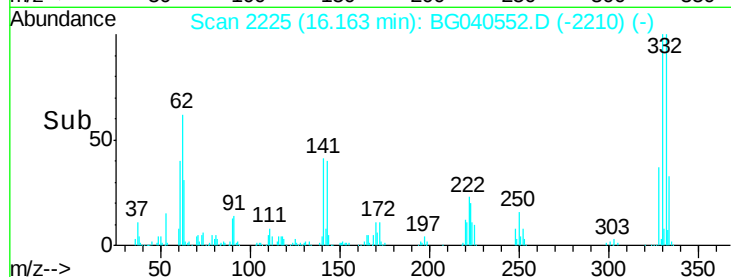
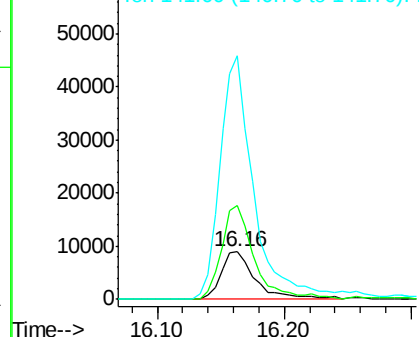


Abundance

Ion 248.00 (247.70 to 248.70): E

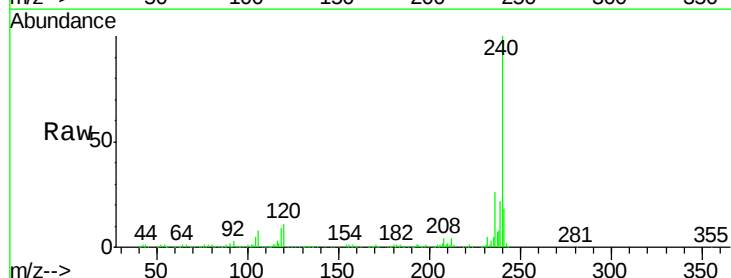
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG040552.D
 Acq: 18 Apr 2019 5:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	25.9	20.8	31.2

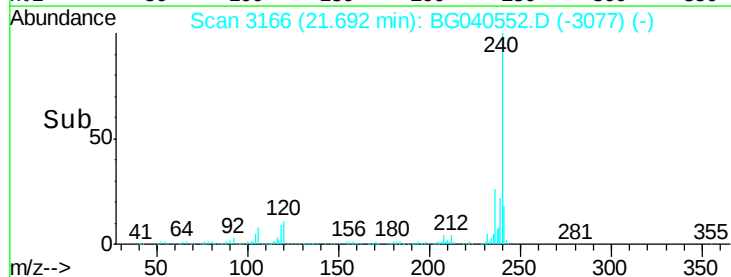
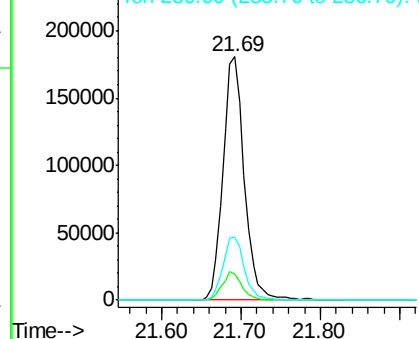


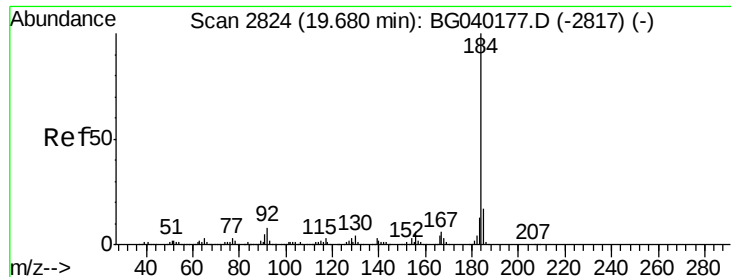
Abundance

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: 2.018 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

Instrument :

BNA_G

ClientSampleId :

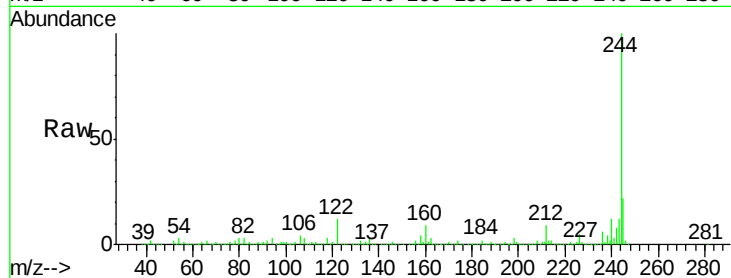
Tot Ion:184 Resp: 24424

Ion Ratio Lower Upper

184 100

185 16.4 13.3 19.9

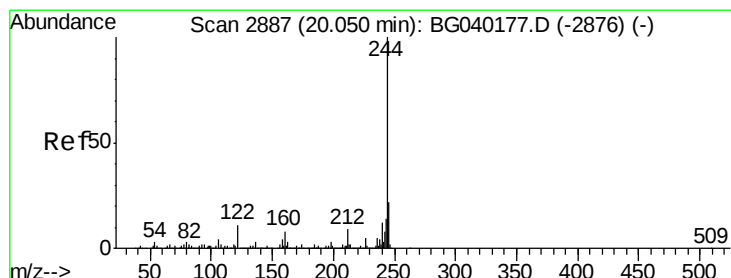
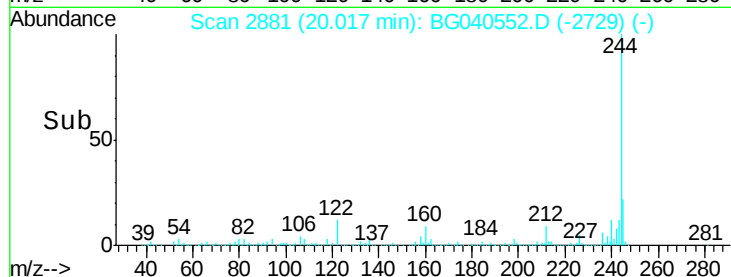
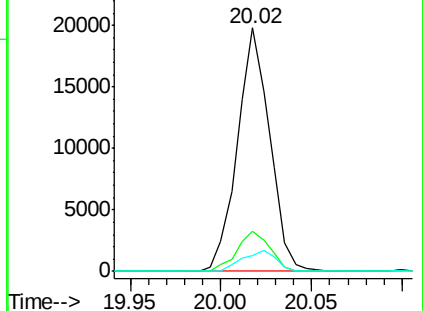
183 6.7 10.3 15.5#



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: 93.680 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

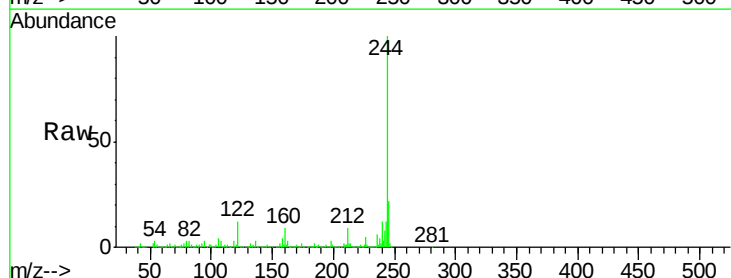
Tgt Ion:244 Resp: 1395972

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

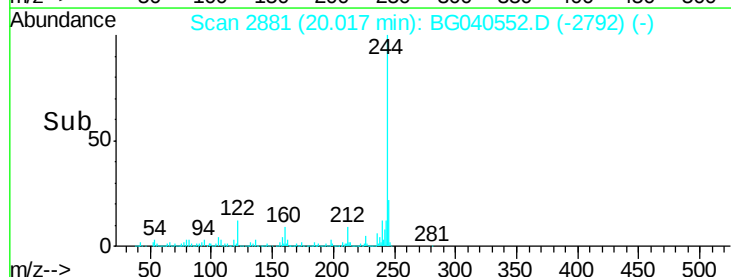
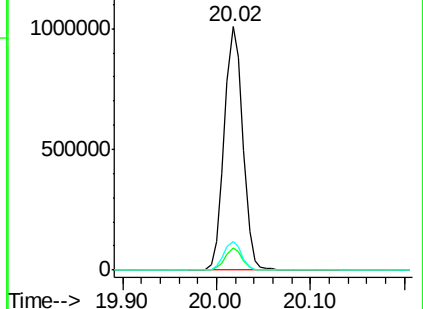
122 11.6 8.5 12.7

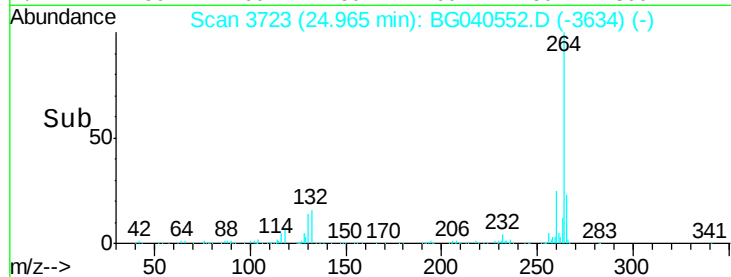
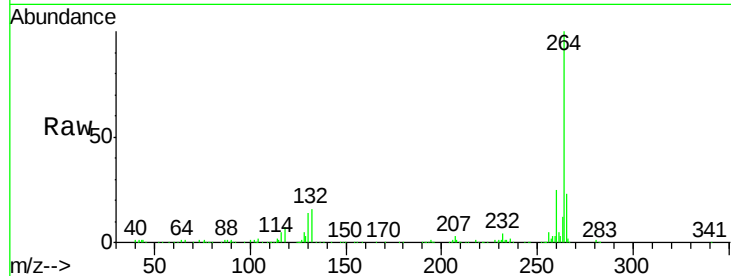
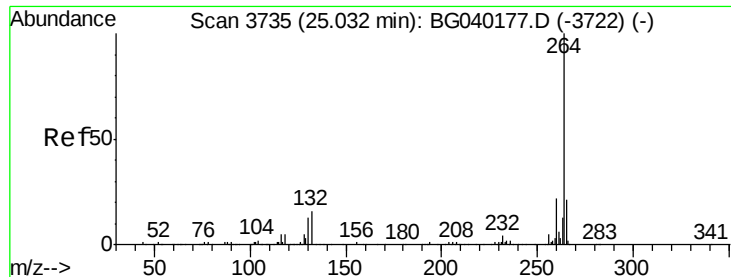


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.96 min Scan# 3723
Delta R.T. -0.01 min
Lab File: BG040552.D
Acq: 18 Apr 2019 5:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.9	26.9
265	22.7	16.8	25.2

