

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\
 Data File : BG042953.D
 Acq On : 30 Sep 2019 21:29
 Operator : JU
 Sample : PB123480TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 07:12:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

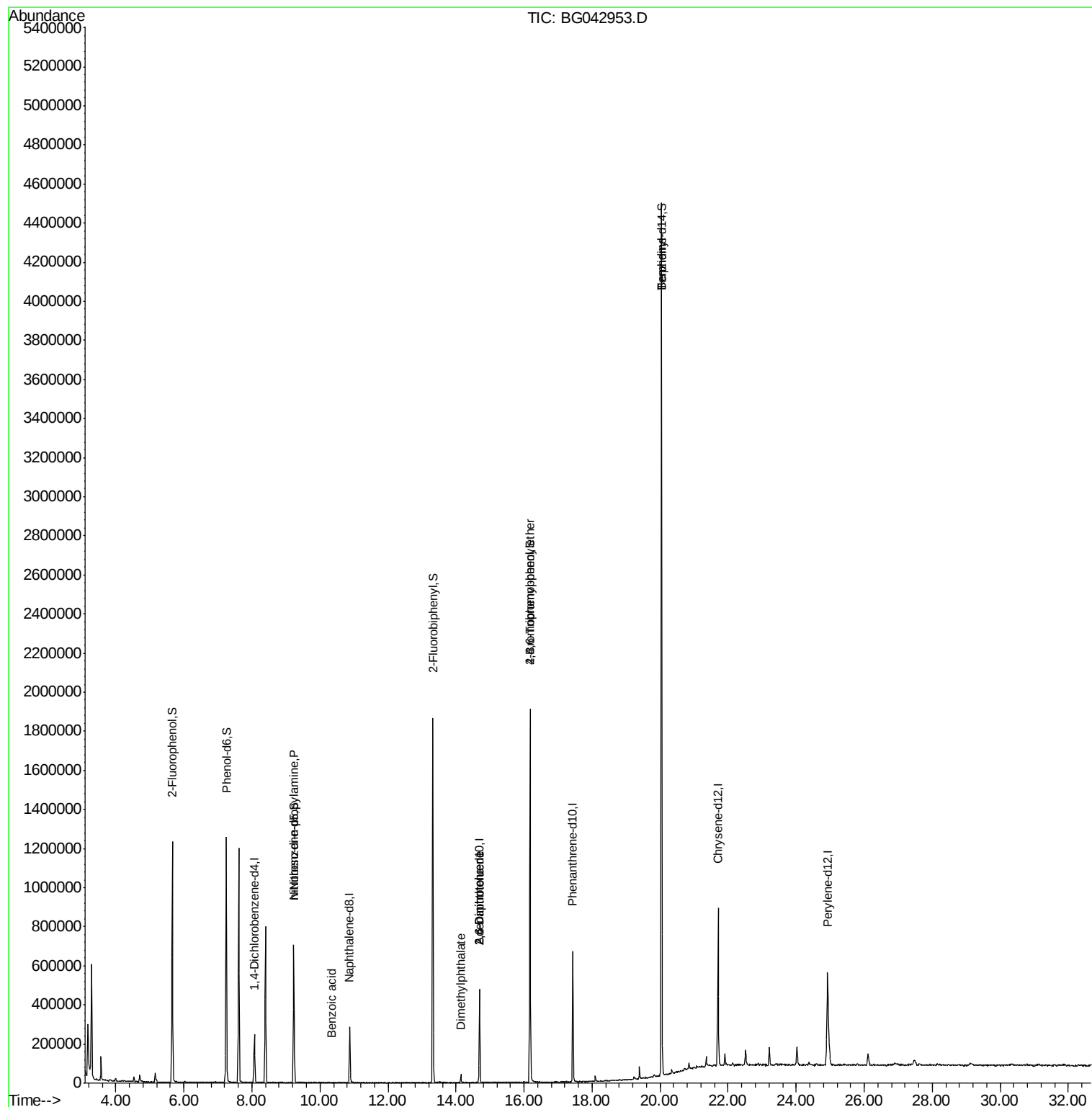
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	68981	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	247880	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	172312	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	419333	20.00	ng	0.00
76) Chrysene-d12	21.70	240	490404	20.00	ng	-0.01
87) Perylene-d12	24.92	264	558027	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	483472	125.08	ng	0.00
7) Phenol-d6	7.24	99	688433	123.68	ng	0.00
23) Nitrobenzene-d5	9.23	82	438670	86.02	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	392171	132.36	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	997870	83.95	ng	0.00
79) Terphenyl-d14	20.04	244	2192718	95.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	62680	17.149	ng	# 73
32) Benzoic acid	10.34	122	66	2.827	ng	# 1
50) Dimethylphthalate	14.14	163	30647	2.374	ng	# 99
51) 2,6-Dinitrotoluene	14.69	165	23723	8.628	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	23723	5.892	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	25881	4.918	ng	# 1
77) Benzidine	20.04	184	36910	3.006	ng	# 93

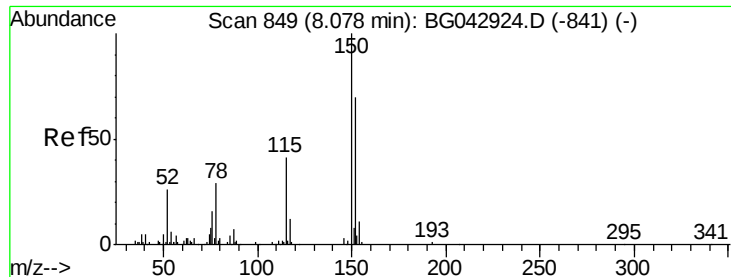
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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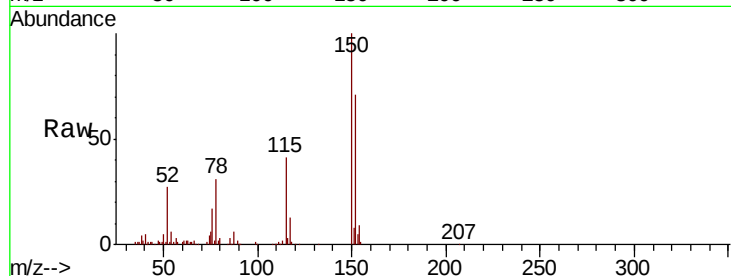


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.9	115.0	172.4
115	57.3	47.0	70.6

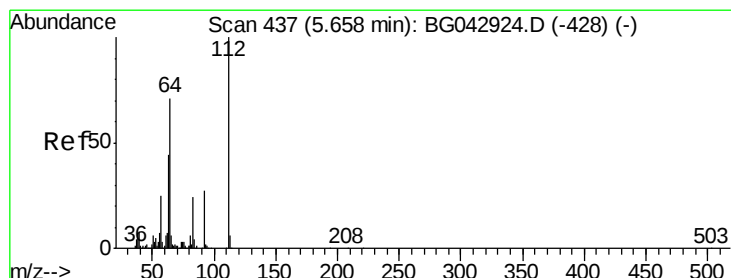
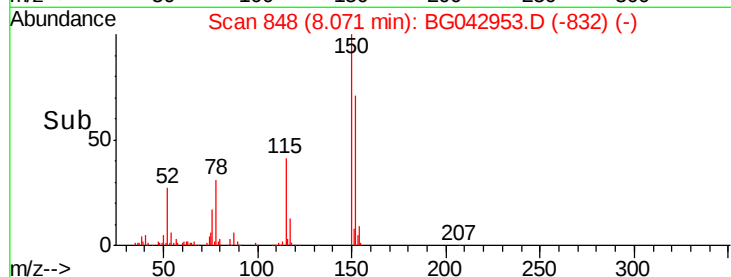
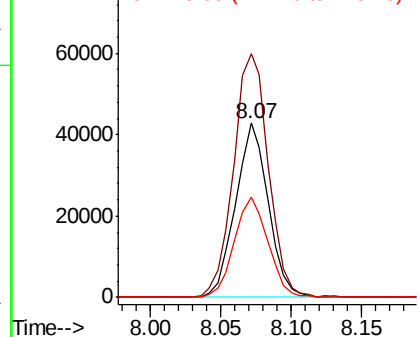


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

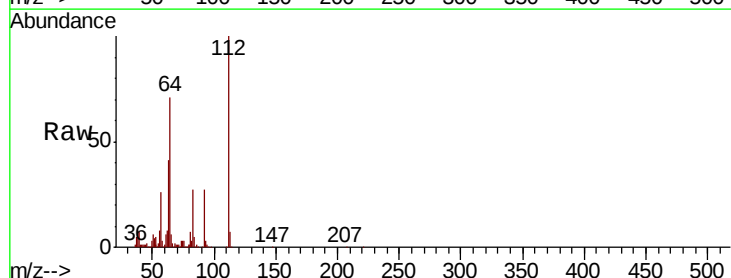
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 125.080 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	56.6	84.8
63	41.5	35.1	52.7

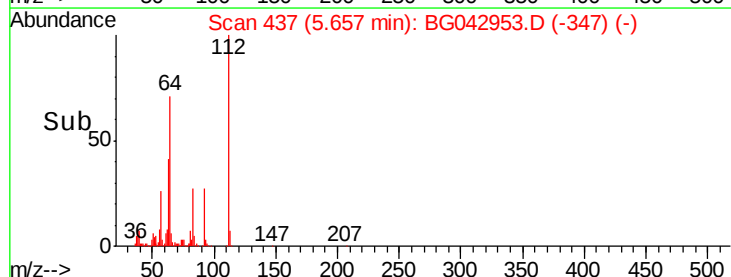
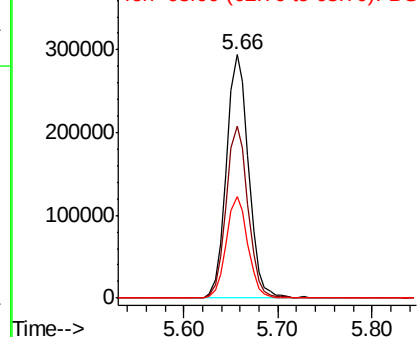


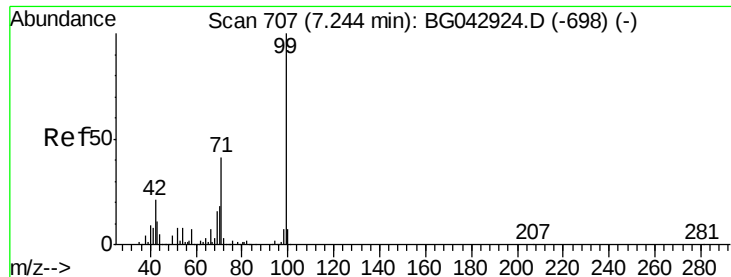
Abundance

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: 123.680 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG042953.D

Acq: 30 Sep 2019 21:29

Instrument :

BNA_G

ClientSampleId :

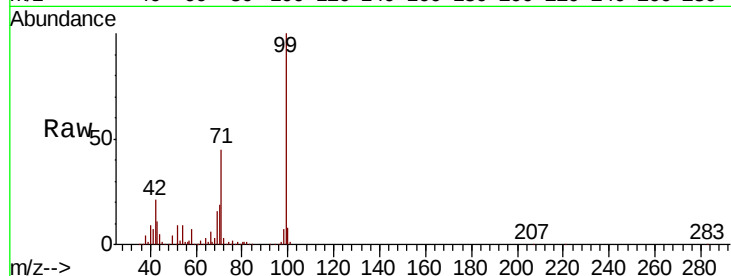
Tot Ion: 99 Resp: 688433

Ion Ratio Lower Upper

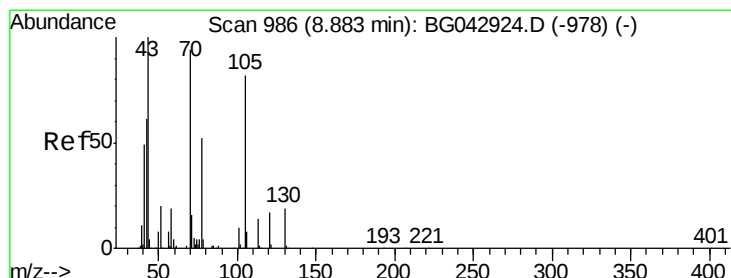
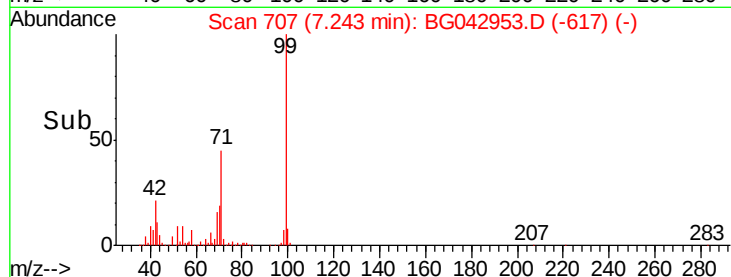
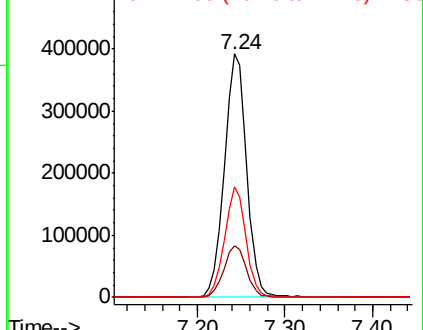
99 100

42 21.5 17.2 25.8

71 45.4 33.1 49.7



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: 17.149 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG042953.D

Acq: 30 Sep 2019 21:29

Tgt Ion: 70 Resp: 62680

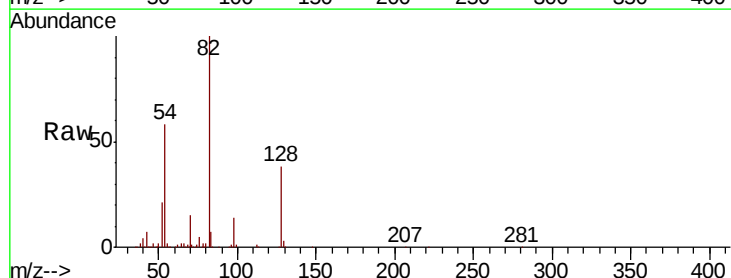
Ion Ratio Lower Upper

70 100

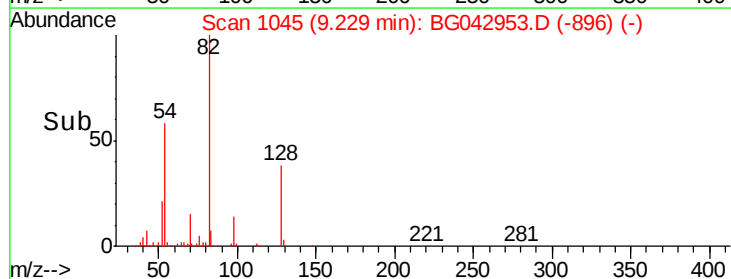
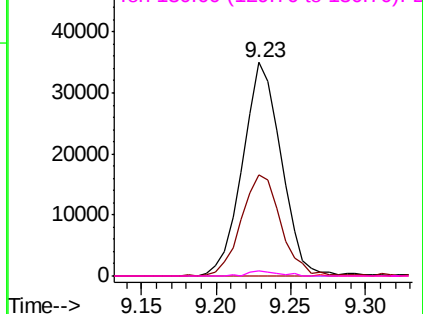
42 47.3 52.6 79.0#

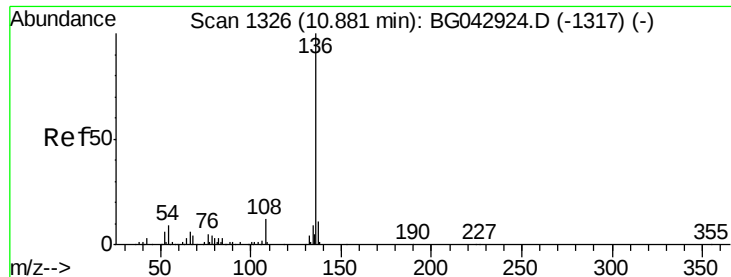
101 0.0 8.7 13.1#

130 2.4 15.8 23.8#



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

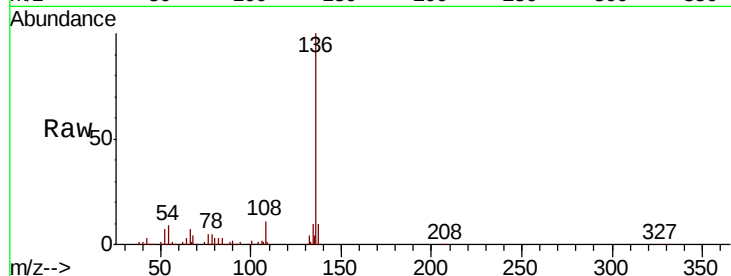




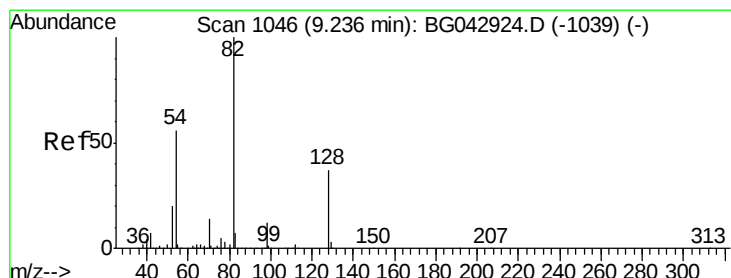
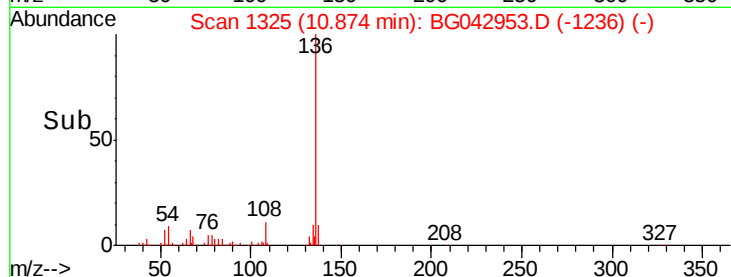
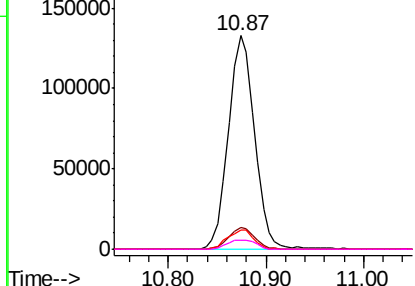
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	247880
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.5 12.7
54	9.3	7.4 11.2
68	4.3	3.6 5.4

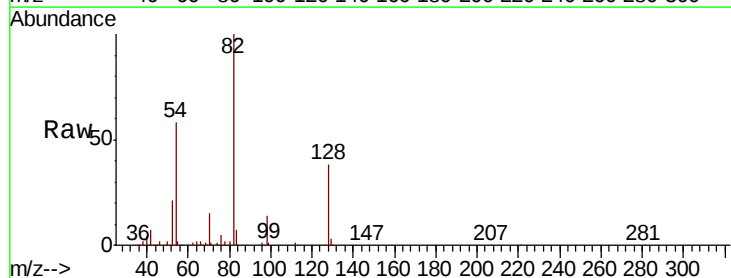


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

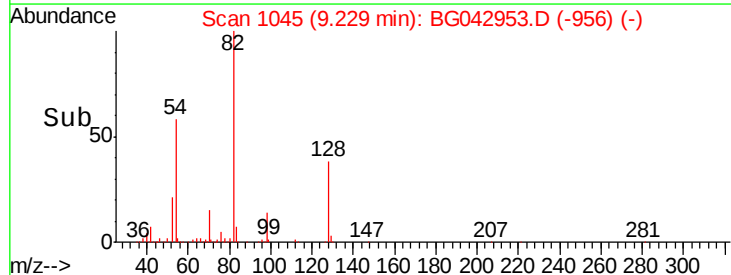
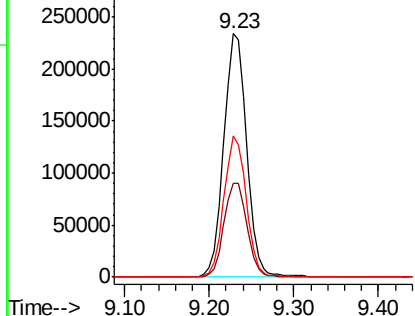


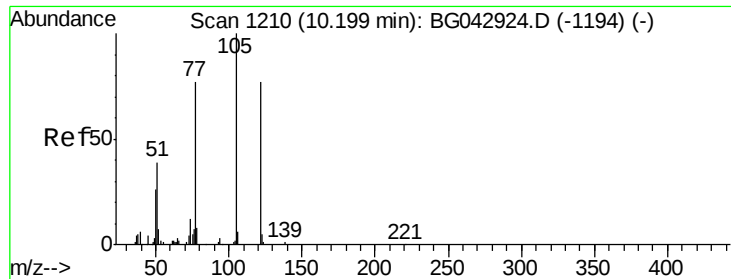
#23
Nitrobenzene-d5
Concen: 86.016 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

Tgt Ion: 82	Resp:	438670
Ion	Ratio	Lower Upper
82	100	
128	38.5	29.5 44.3
54	58.1	44.6 67.0



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

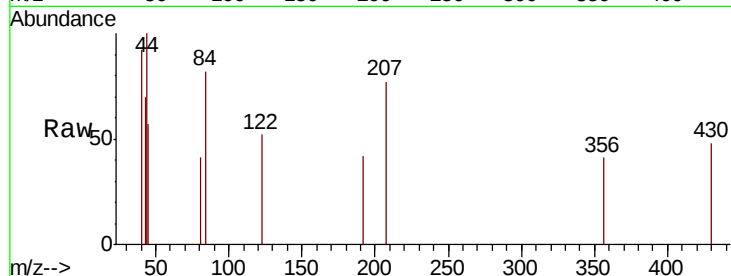




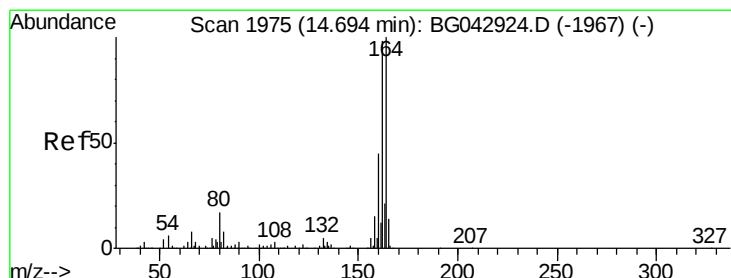
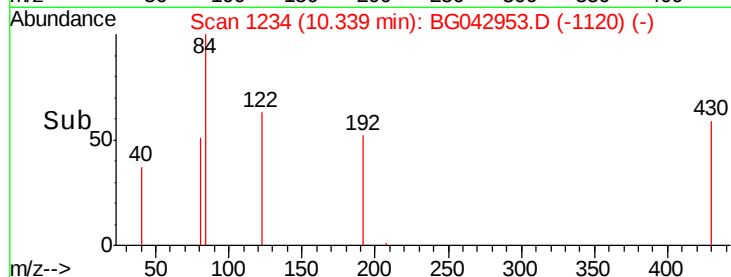
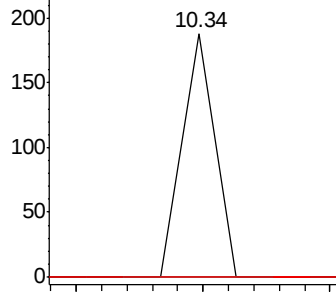
#32
Benzoic acid
Concen: 2.827 ng
RT: 10.34 min Scan# 1234
Delta R.T. 0.14 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#

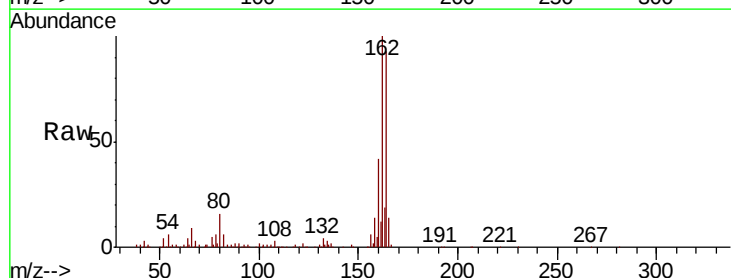


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

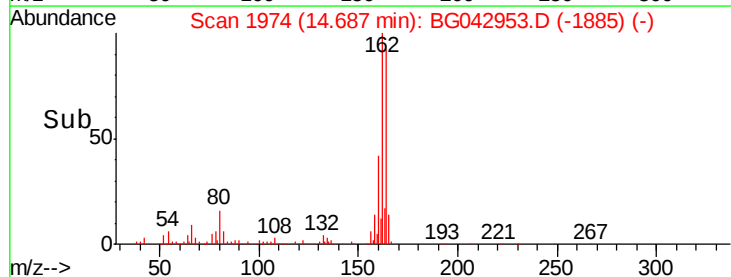
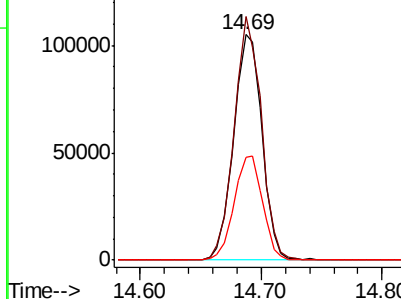


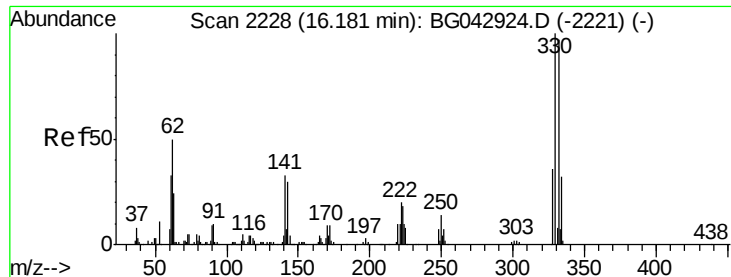
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.0	78.5	117.7
160	45.8	35.9	53.9



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

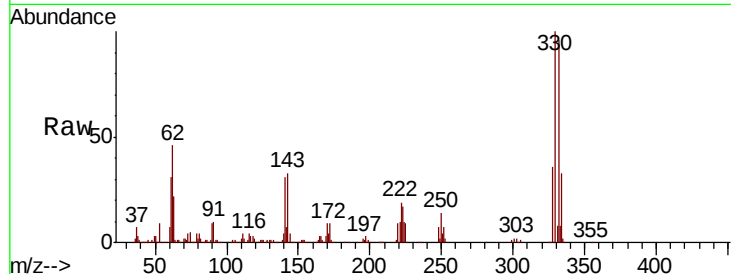




#42
 2,4,6-Tribromophenol
 Concen: 132.355 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG042953.D
 Acq: 30 Sep 2019 21:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.2	117.2
141	31.0	26.0	39.0

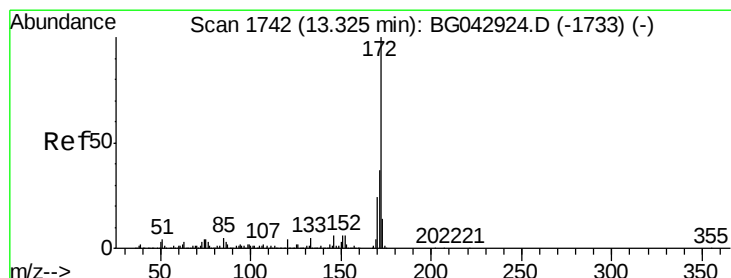
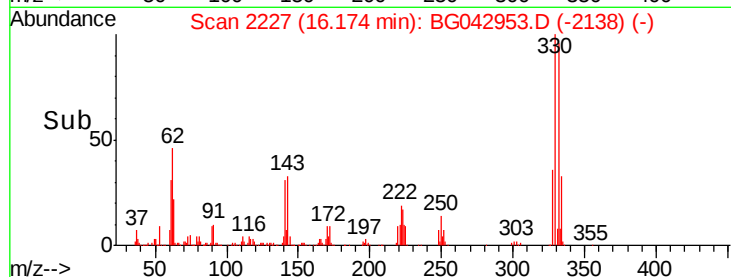
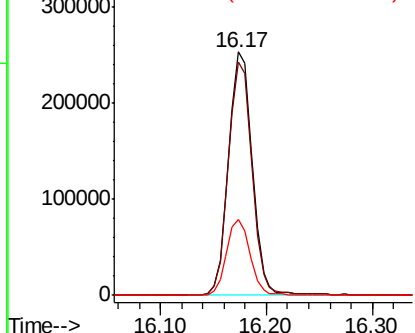


Abundance

Ion 329.80 (329.50 to 330.50): E

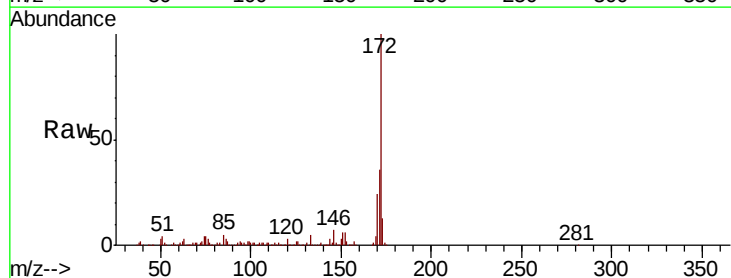
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.953 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG042953.D
 Acq: 30 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.1	19.6	29.4

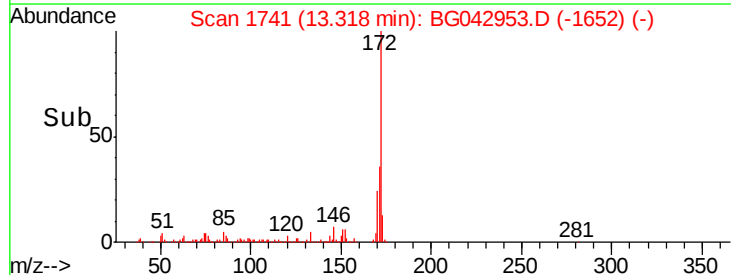
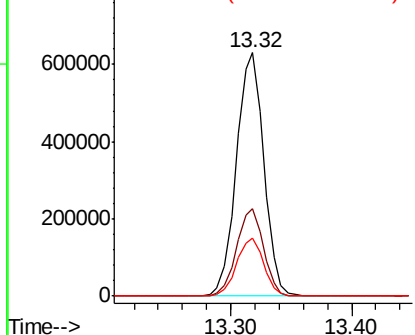


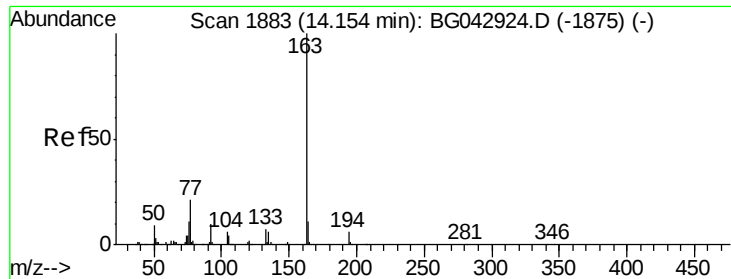
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

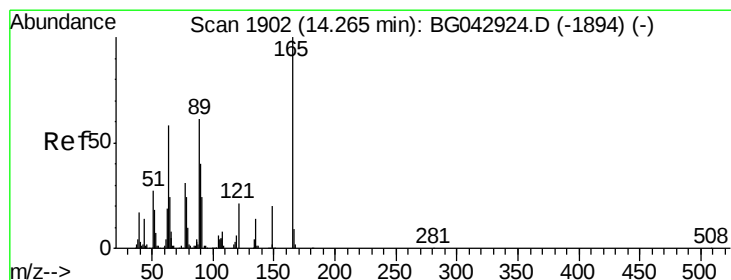
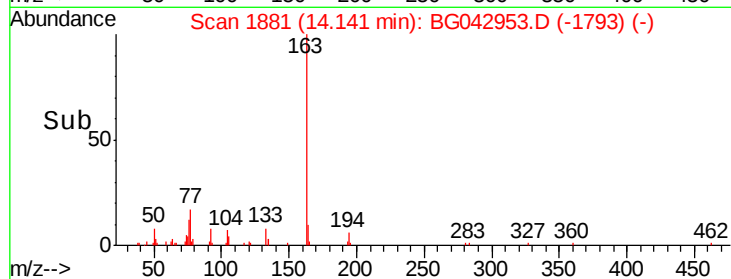
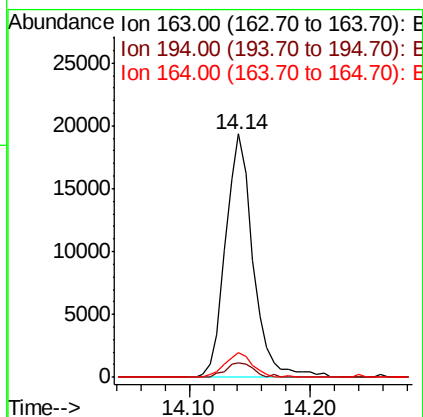
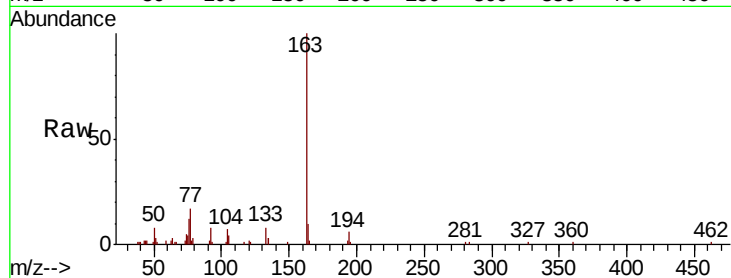




#50
Dimethylphthalate
Concen: 2.374 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

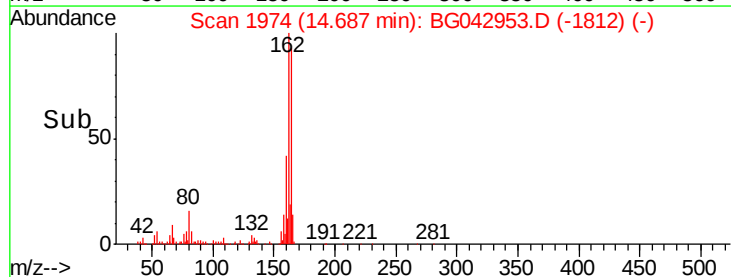
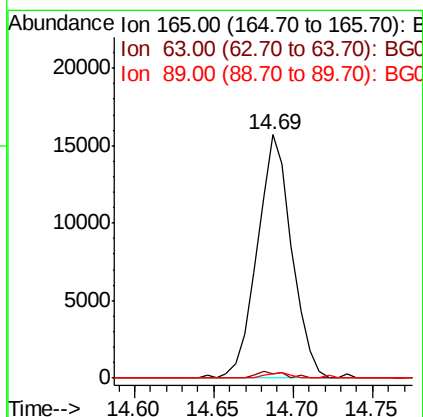
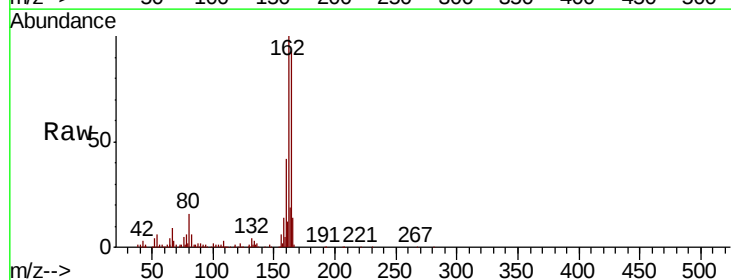
Instrument :
BNA_G
ClientSampled :

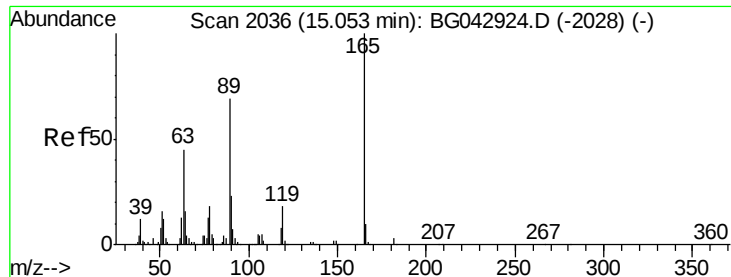
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.7	4.4	6.6
164	10.0	8.6	12.8



#51
2,6-Dinitrotoluene
Concen: 8.628 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.42 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	50.3	75.5#
89	1.6	48.9	73.3#





#57

2,4-Dinitrotoluene

Concen: 5.892 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.37 min

Lab File: BG042953.D

Acq: 30 Sep 2019 21:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 23723

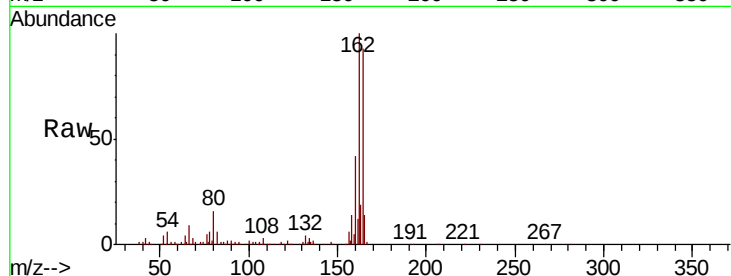
Ion Ratio Lower Upper

165 100

63 1.9 36.5 54.7#

89 1.6 55.5 83.3#

182 0.0 2.4 3.6#

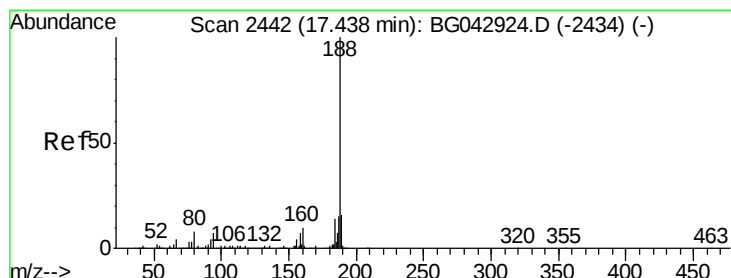
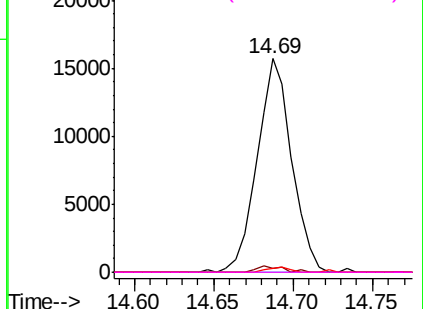
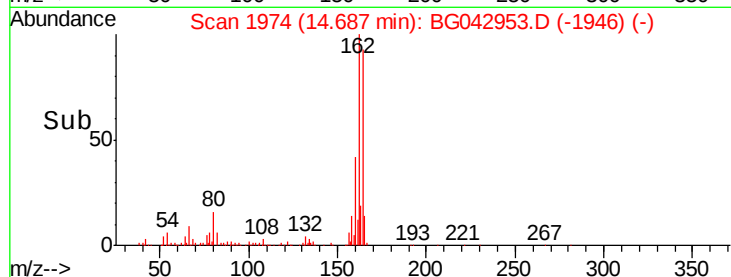


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG042953.D

Acq: 30 Sep 2019 21:29

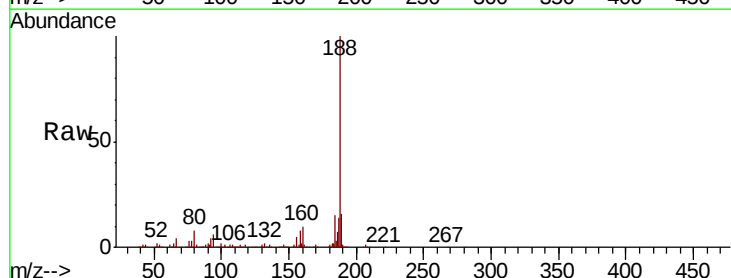
Tgt Ion:188 Resp: 419333

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

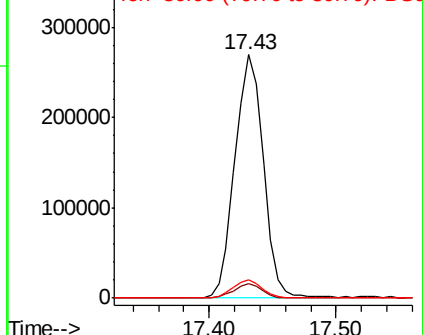
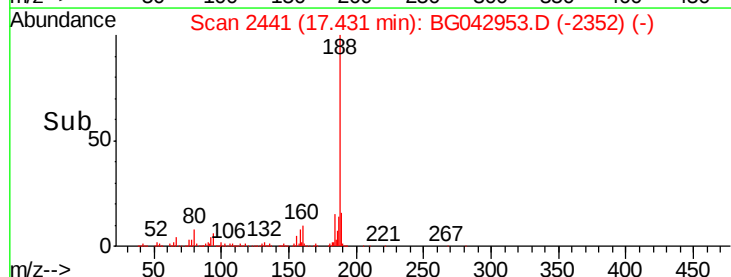
80 7.5 6.5 9.7

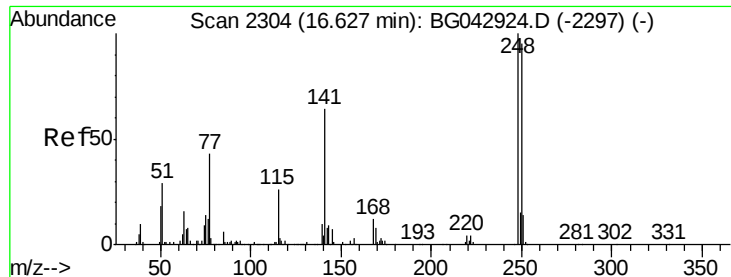


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

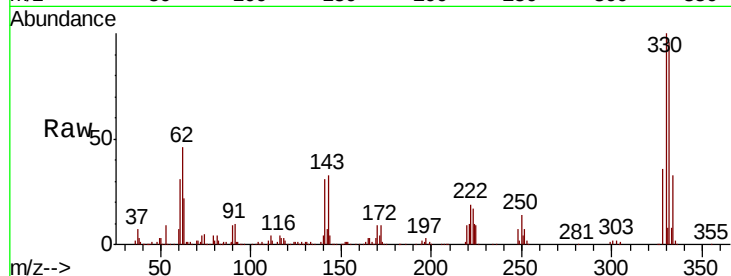




#67
 4-Bromophenyl-phenylether
 Concen: 4.918 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.45 min
 Lab File: BG042953.D
 Acq: 30 Sep 2019 21:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	209.7	75.8	113.8#
141	451.9	51.1	76.7#

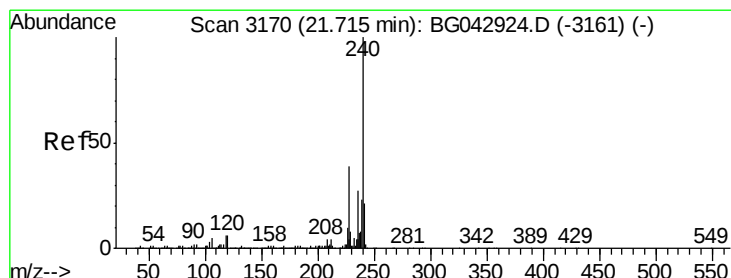
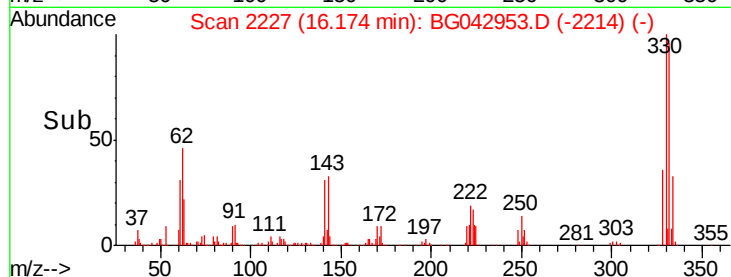
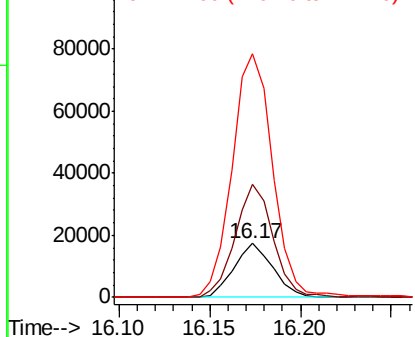


Abundance

Ion 248.00 (247.70 to 248.70): E

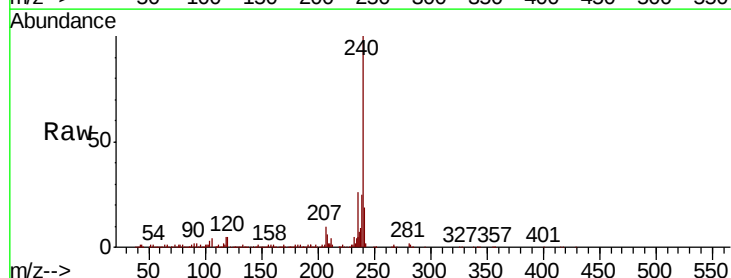
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG042953.D
 Acq: 30 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.8	7.2
236	26.4	21.4	32.0

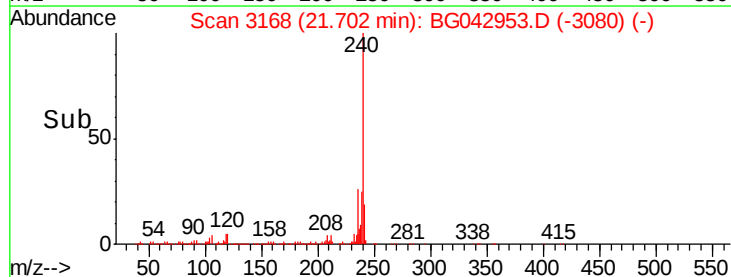
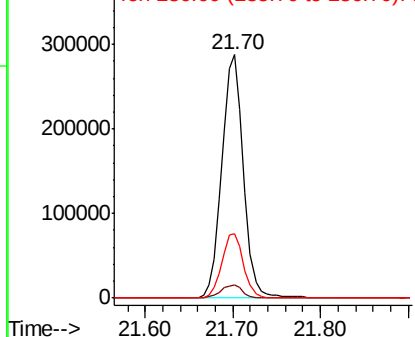


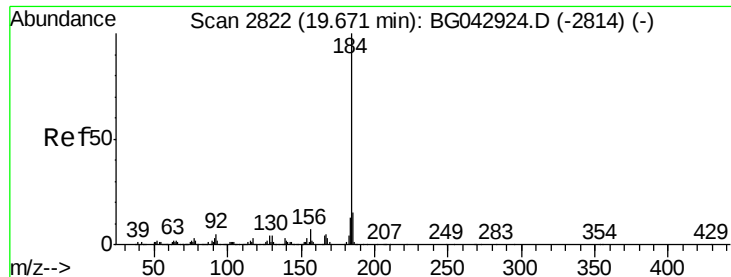
Abundance

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: 3.006 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042953.D

Acq: 30 Sep 2019 21:29

Instrument :

BNA_G

ClientSampleId :

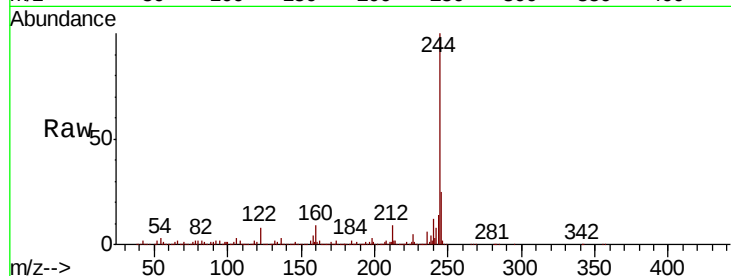
Tot Ion:184 Resp: 36910

Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.8

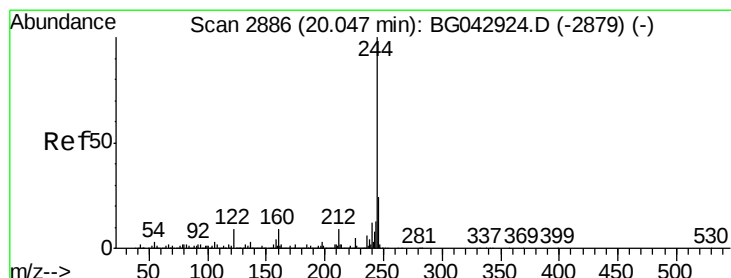
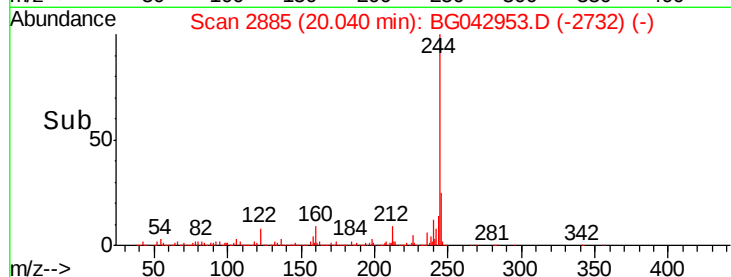
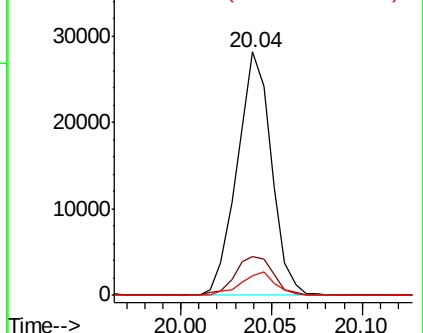
183 7.9 10.1 15.1#



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: 95.277 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042953.D

Acq: 30 Sep 2019 21:29

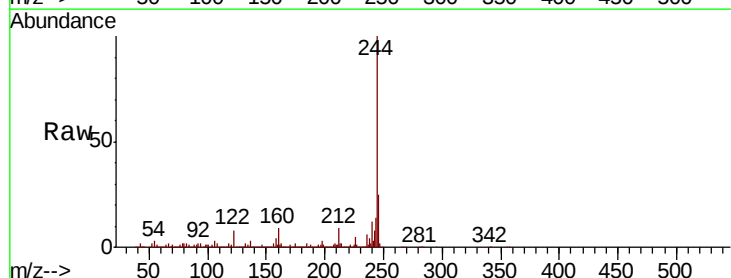
Tgt Ion:244 Resp: 2192718

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.0

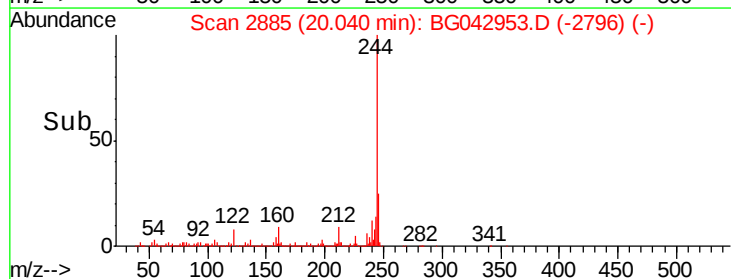
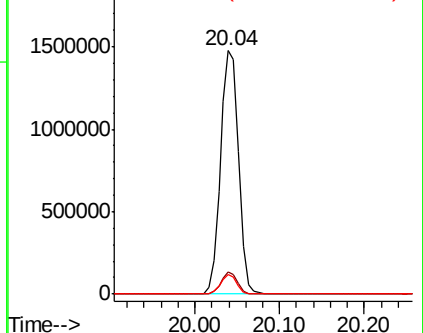
122 8.1 7.0 10.4

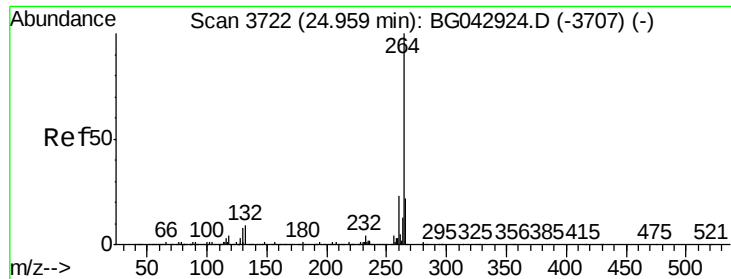


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.04 min
Lab File: BG042953.D
Acq: 30 Sep 2019 21:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	558027
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.6	17.7	26.5

