

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\
 Data File : BG042962.D
 Acq On : 1 Oct 2019 4:29
 Operator : JU
 Sample : K4657-03RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 07:14:07 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

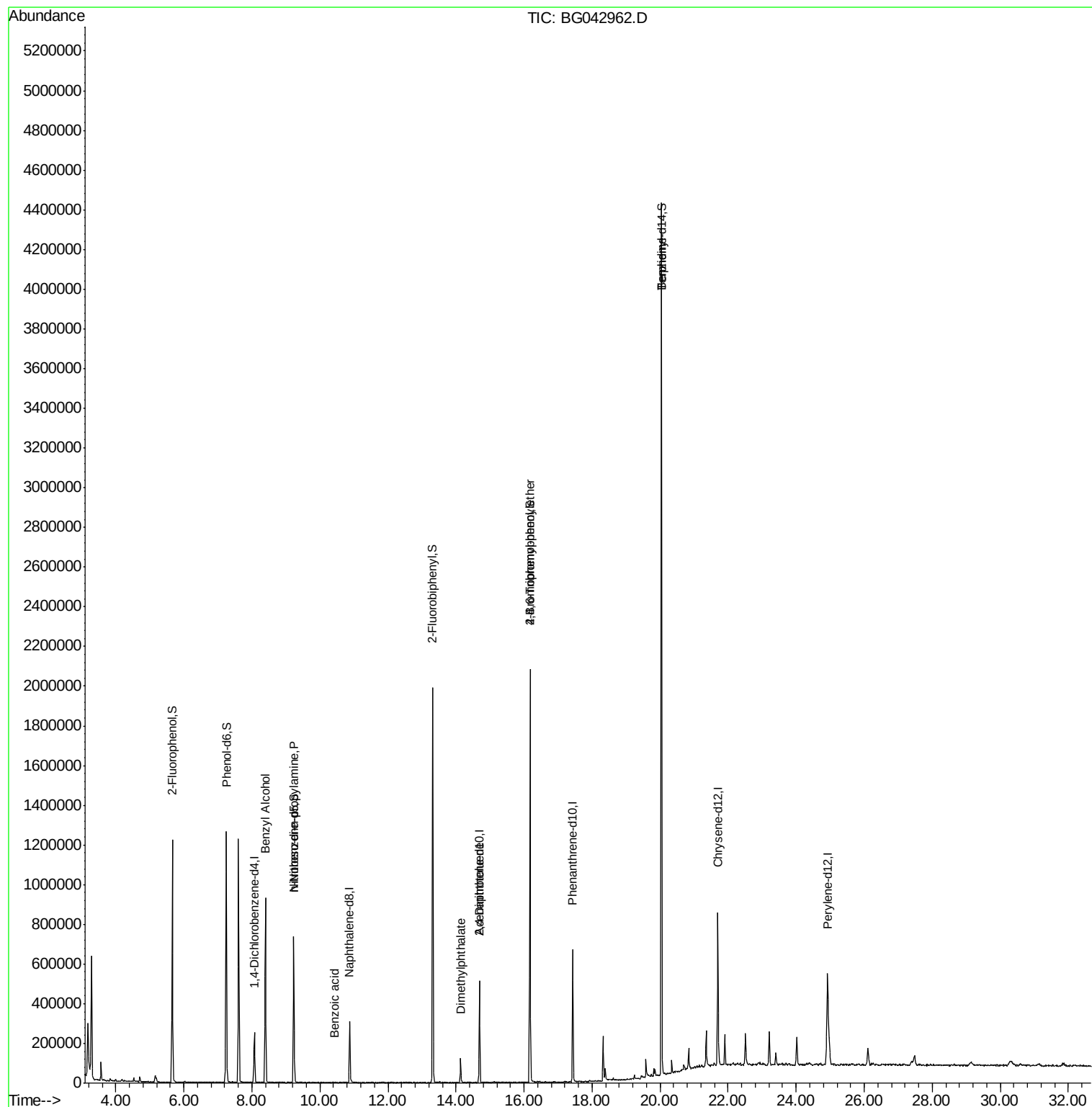
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	68801	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	253603	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	180645	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	431945	20.00	ng	0.00
76) Chrysene-d12	21.70	240	469479	20.00	ng	-0.02
87) Perylene-d12	24.92	264	546168	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	491052	127.37	ng	0.00
7) Phenol-d6	7.24	99	694310	125.06	ng	0.00
23) Nitrobenzene-d5	9.23	82	447303	85.73	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	413573	133.14	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1082994	86.91	ng	-0.01
79) Terphenyl-d14	20.04	244	2090147	94.87	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.40	79	8752	2.097	ng	# 58
19) n-Nitroso-di-n-propylamine	9.23	70	65739	18.033	ng	# 71
32) Benzoic acid	10.42	122	58	2.823	ng	# 1
50) Dimethylphthalate	14.14	163	82973	6.130	ng	# 98
57) 2,4-Dinitrotoluene	14.69	165	24433	5.788	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	28480	5.253	ng	# 1
77) Benzidine	20.04	184	34900	2.969	ng	# 91

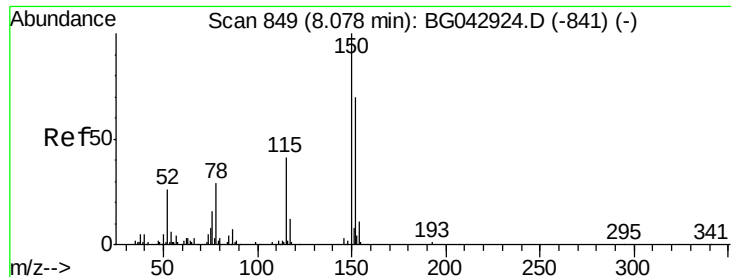
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



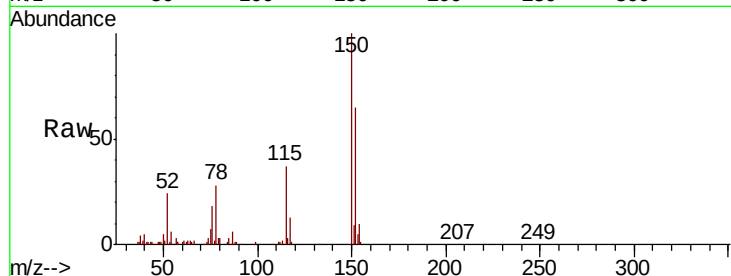


#1

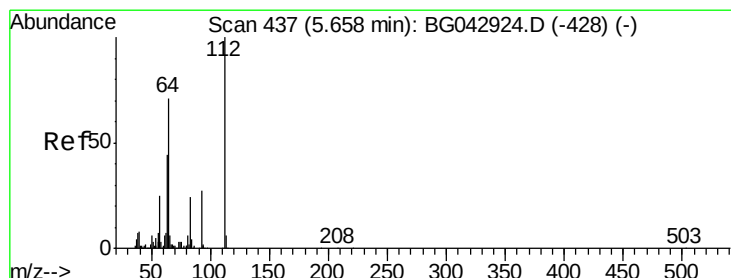
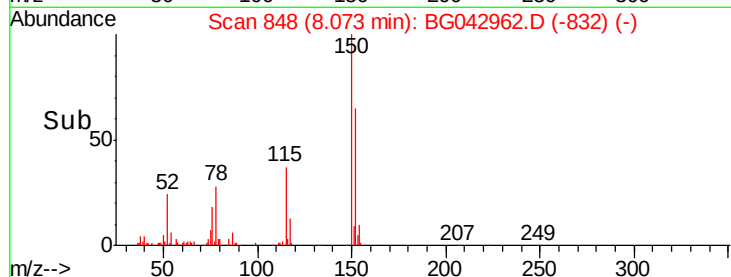
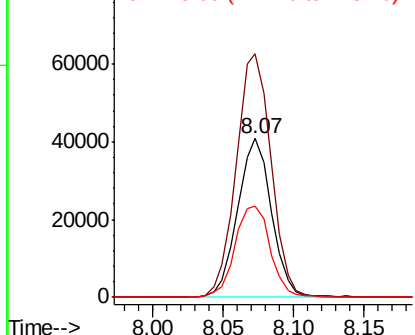
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042962.D
Acq: 1 Oct 2019 4:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 68801
Ion Ratio Lower Upper
152 100
150 153.2 115.0 172.4
115 57.2 47.0 70.6



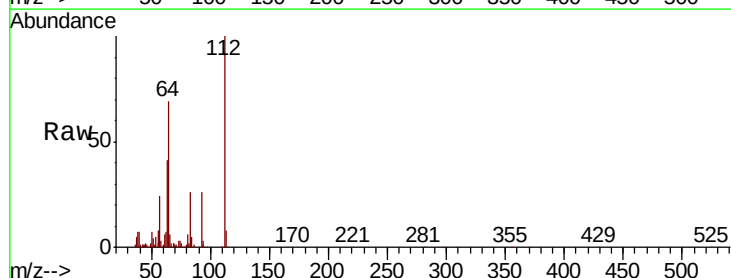
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



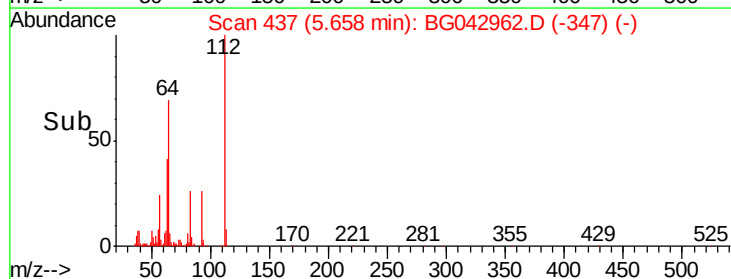
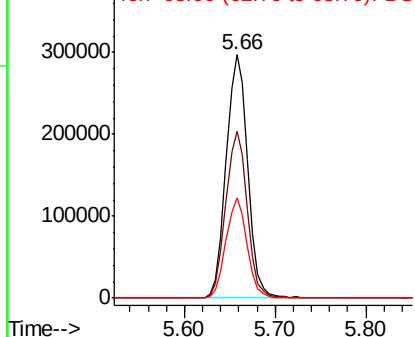
#5

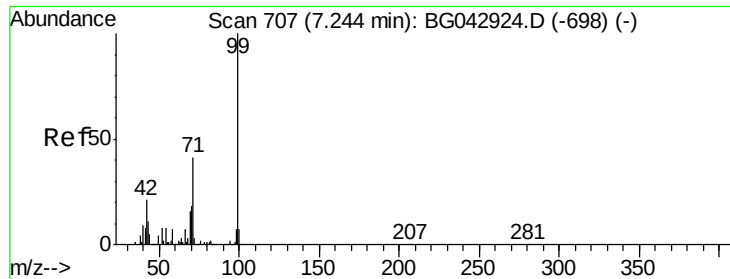
2-Fluorophenol
Concen: 127.373 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.00 min
Lab File: BG042962.D
Acq: 1 Oct 2019 4:29

Tgt Ion:112 Resp: 491052
Ion Ratio Lower Upper
112 100
64 68.8 56.6 84.8
63 41.3 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: 125.062 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

Instrument :

BNA_G

ClientSampled :

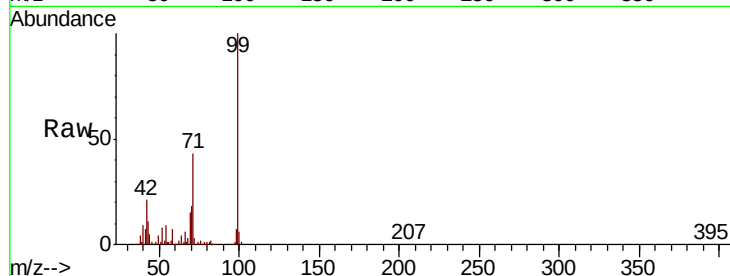
Tot Ion: 99 Resp: 694310

Ion Ratio Lower Upper

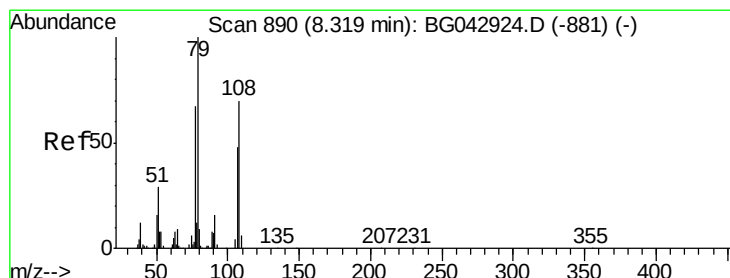
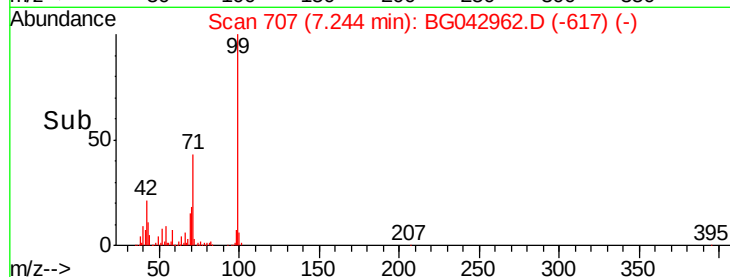
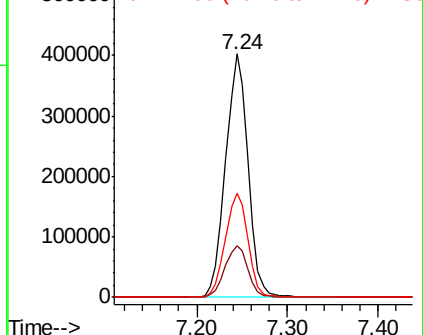
99 100

42 21.0 17.2 25.8

71 42.8 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



#15

Benzyl Alcohol

Concen: 2.097 ng

RT: 8.40 min Scan# 903

Delta R.T. 0.08 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

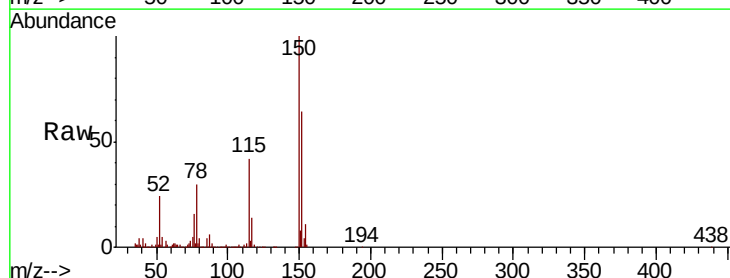
Tgt Ion: 79 Resp: 8752

Ion Ratio Lower Upper

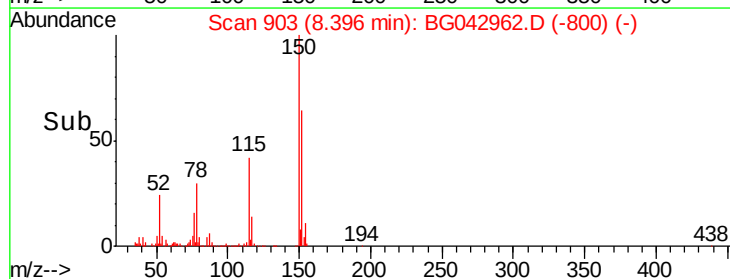
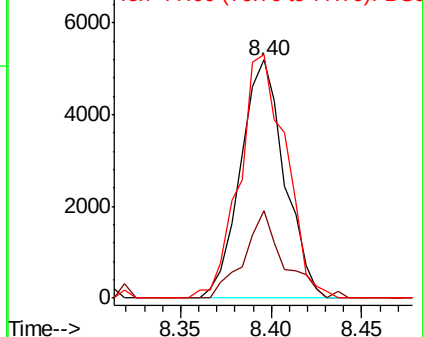
79 100

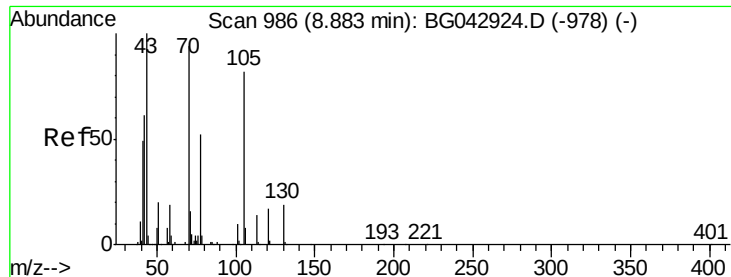
108 36.9 55.7 83.5#

77 102.2 53.3 79.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

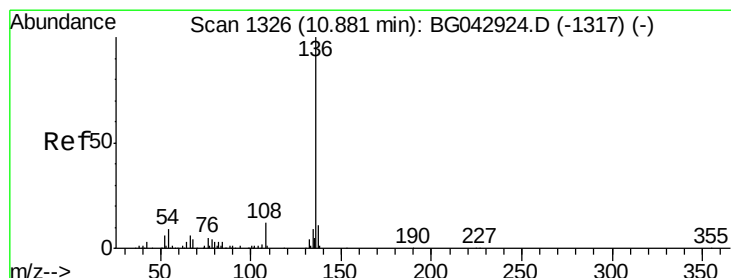
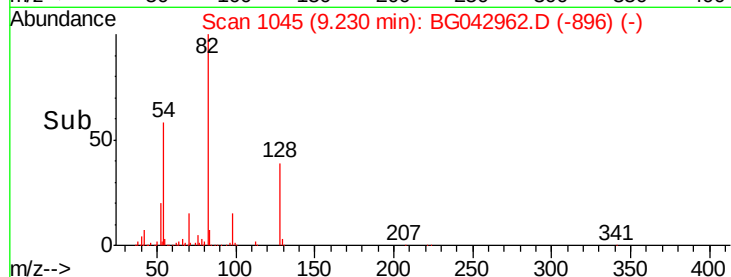
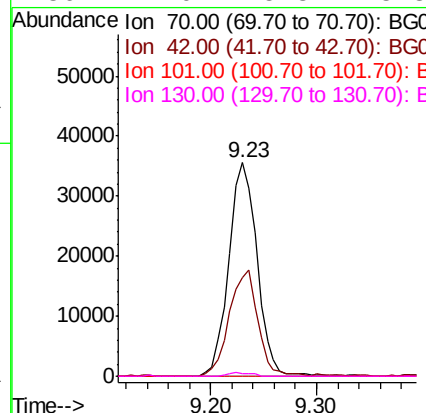
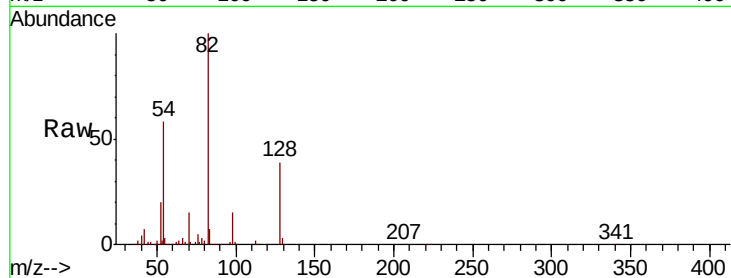




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.033 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. 0.35 min
 Lab File: BG042962.D
 Acq: 1 Oct 2019 4:29

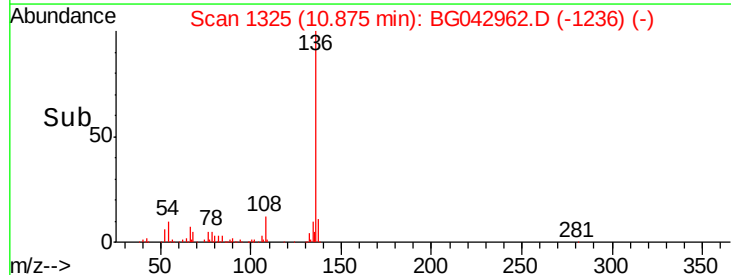
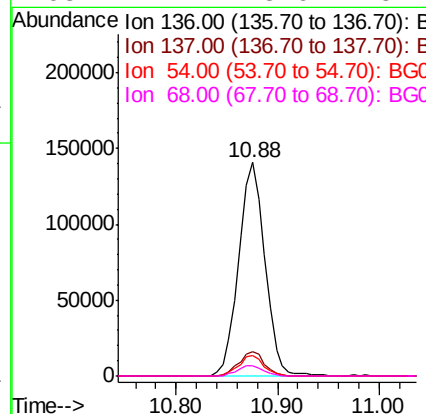
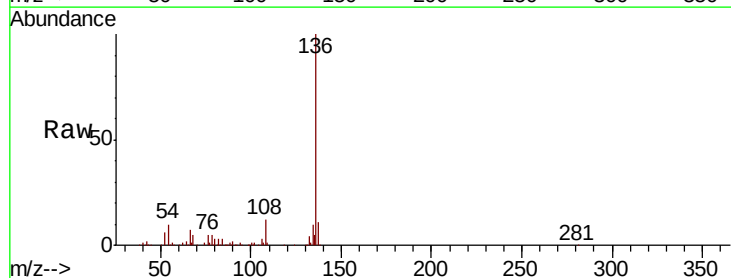
Instrument :
 BNA_G
 ClientSampleId :

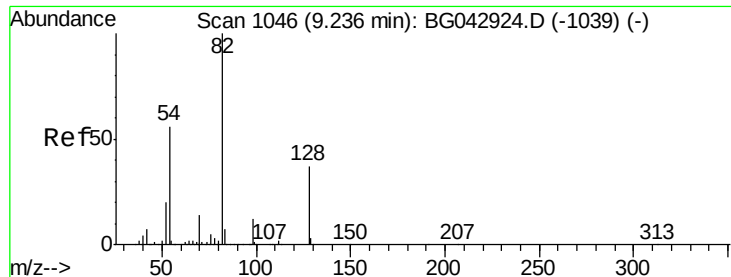
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	46.2	52.6	79.0#	
101	0.0	8.7	13.1#	
130	1.0	15.8	23.8#	



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BG042962.D
 Acq: 1 Oct 2019 4:29

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.4	8.5	12.7	
54	9.9	7.4	11.2	
68	4.7	3.6	5.4	





#23

Nitrobenzene-d5

Concen: 85.729 ng

RT: 9.23 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

Instrument :

BNA_G

ClientSampleId :

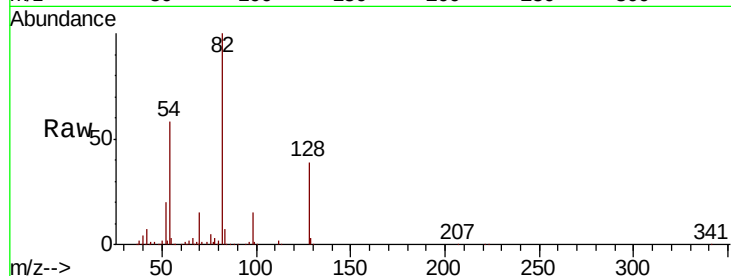
Tot Ion: 82 Resp: 447303

Ion Ratio Lower Upper

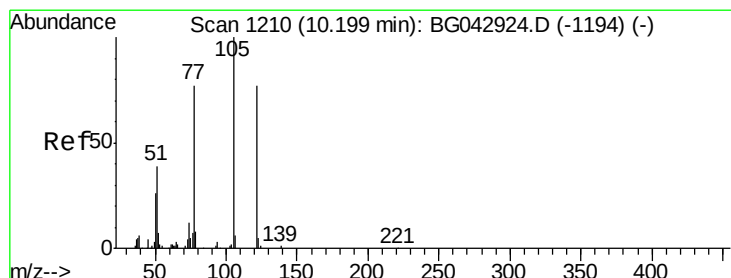
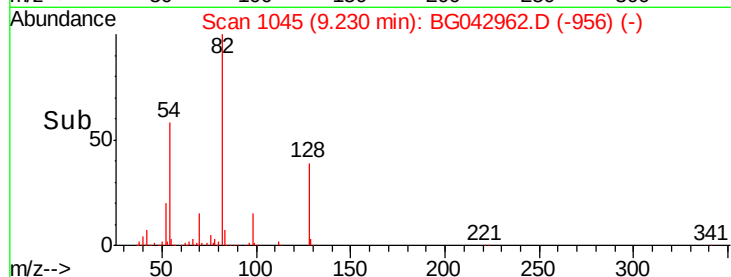
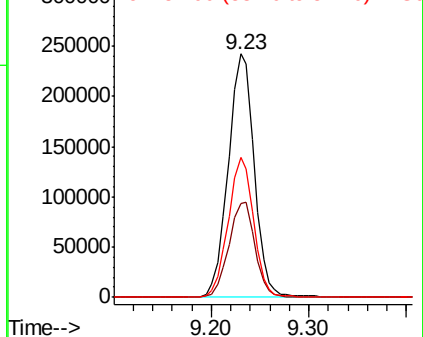
82 100

128 38.6 29.5 44.3

54 57.5 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: 2.823 ng

RT: 10.42 min Scan# 1248

Delta R.T. 0.22 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

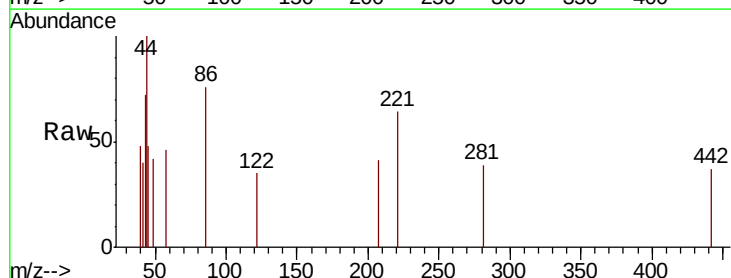
Tgt Ion: 122 Resp: 58

Ion Ratio Lower Upper

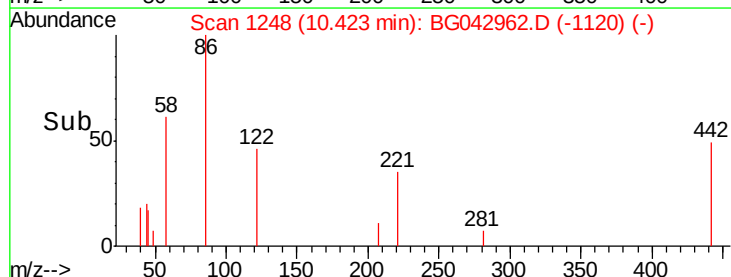
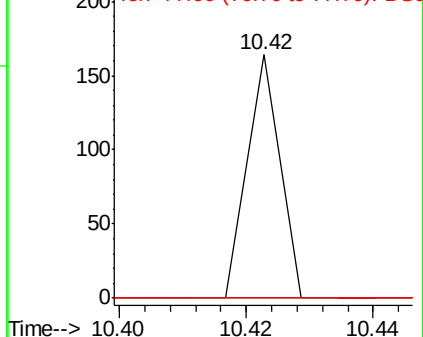
122 100

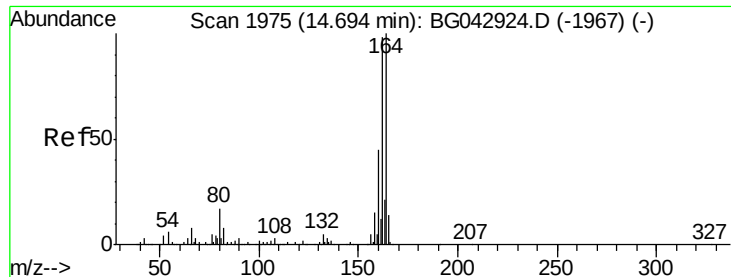
105 0.0 107.5 147.5#

77 0.0 79.8 119.8#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
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: BG042962.D

Acq: 1 Oct 2019 4:29

Instrument :

BNA_G

ClientSampleId :

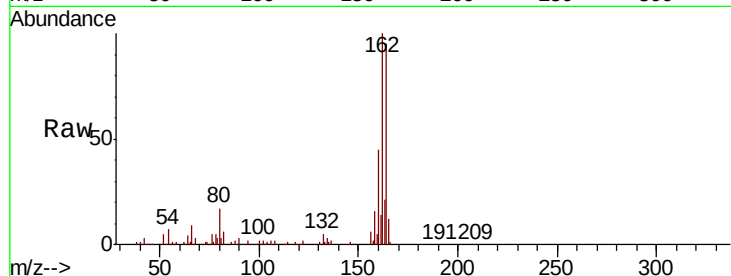
Tot Ion:164 Resp: 180645

Ion Ratio Lower Upper

164 100

162 105.5 78.5 117.7

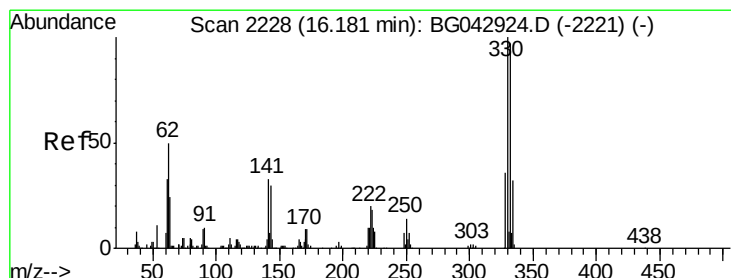
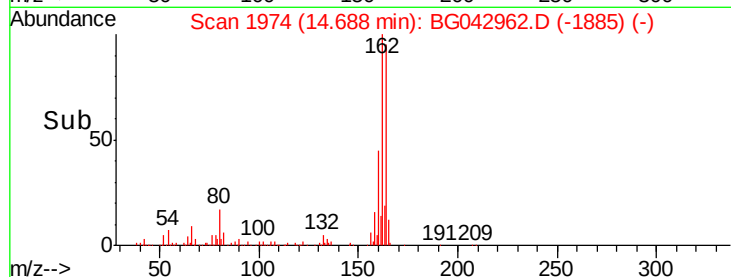
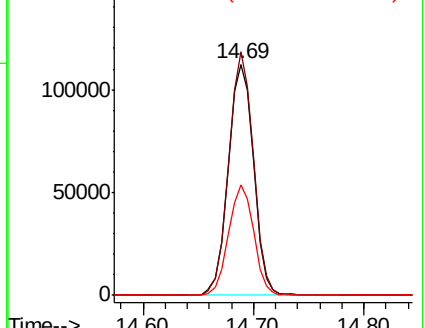
160 47.9 35.9 53.9



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: 133.140 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

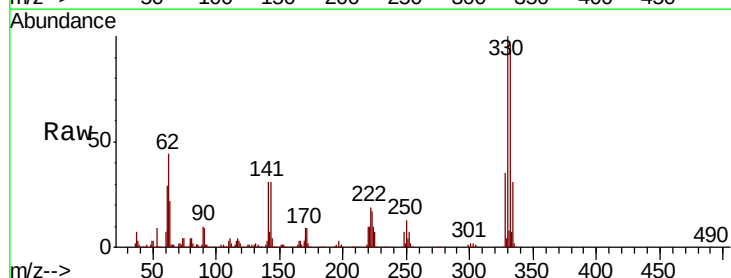
Tgt Ion:330 Resp: 413573

Ion Ratio Lower Upper

330 100

332 96.0 78.2 117.2

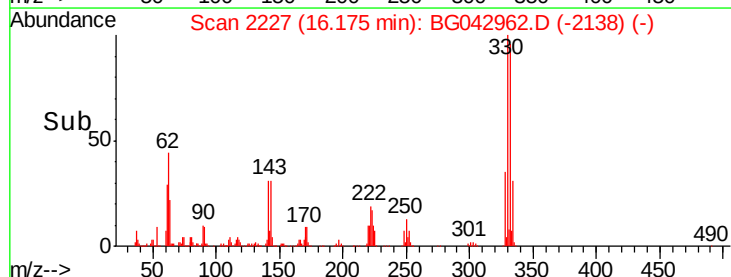
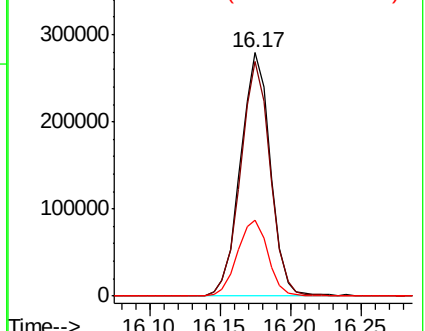
141 32.0 26.0 39.0

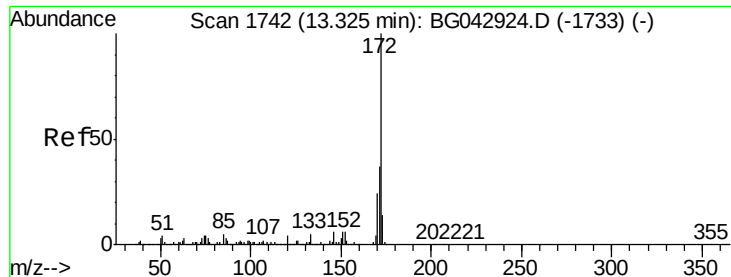


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 86.912 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

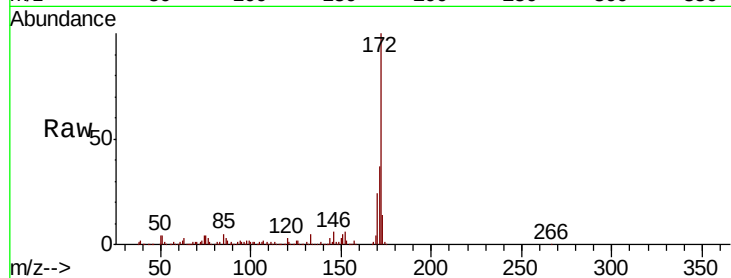
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1082994

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.9	19.6	29.4

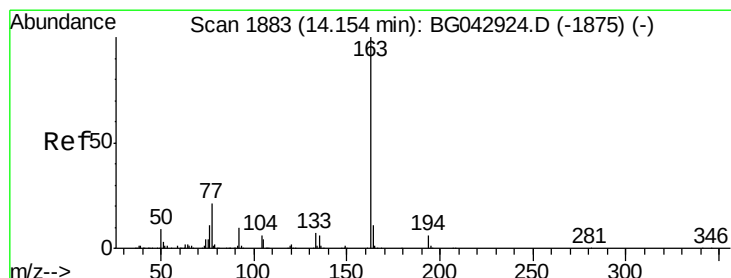
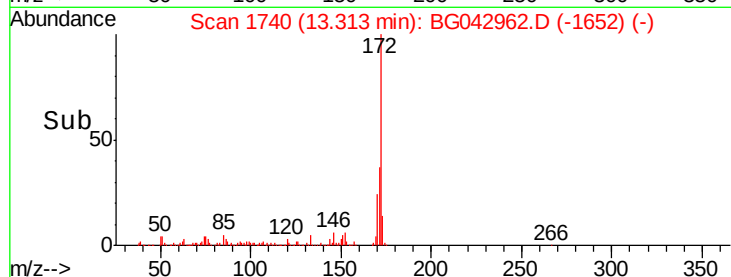
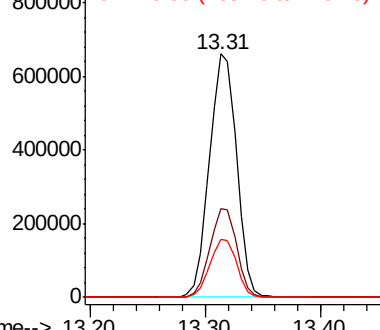


Abundance

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: 6.130 ng

RT: 14.14 min Scan# 1880

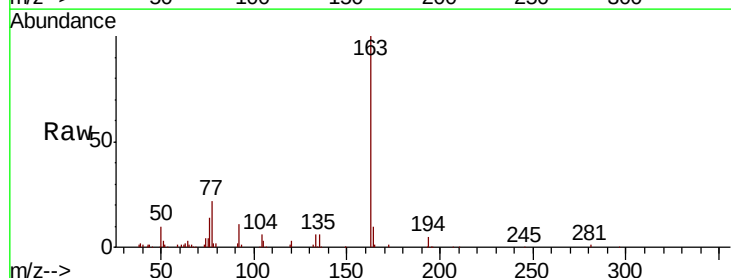
Delta R.T. -0.02 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

Tgt Ion:163 Resp: 82973

Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.4	6.6
164	9.8	8.6	12.8

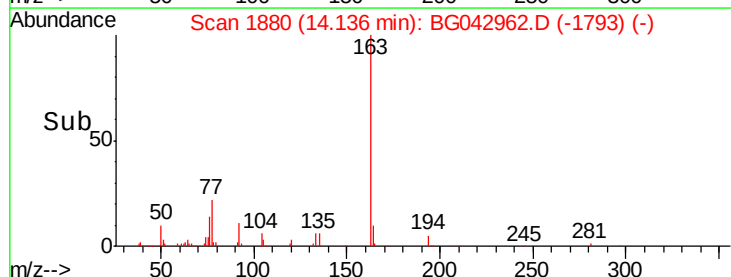
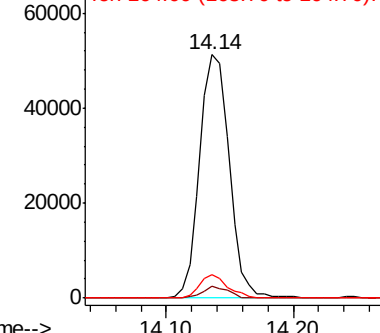


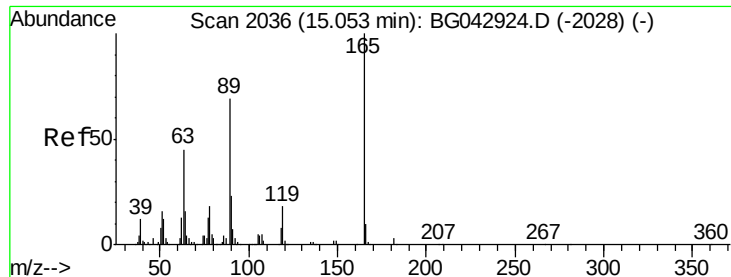
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

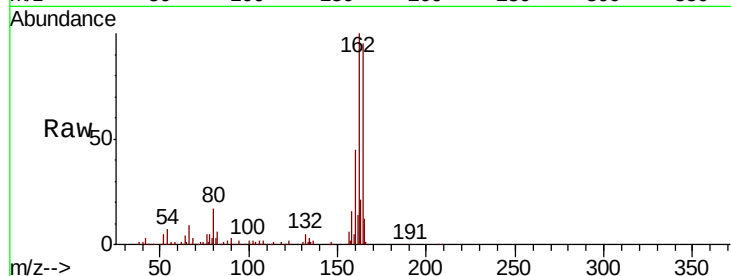




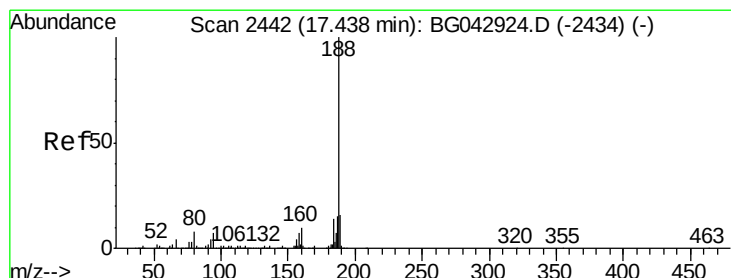
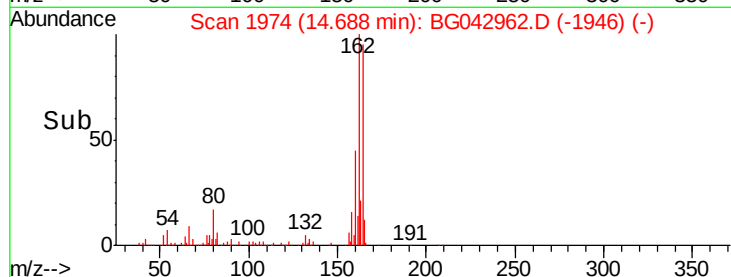
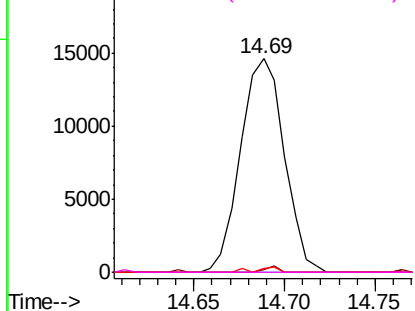
#57
 2,4-Dinitrotoluene
 Concen: 5.788 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.36 min
 Lab File: BG042962.D
 Acq: 1 Oct 2019 4:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.5	54.7#
89	2.0	55.5	83.3#
182	0.0	2.4	3.6#

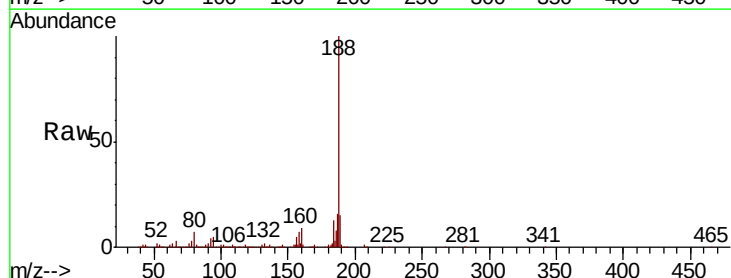


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

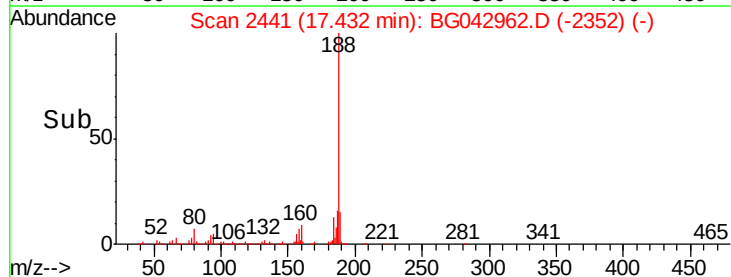
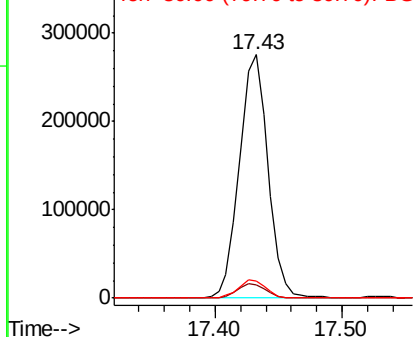


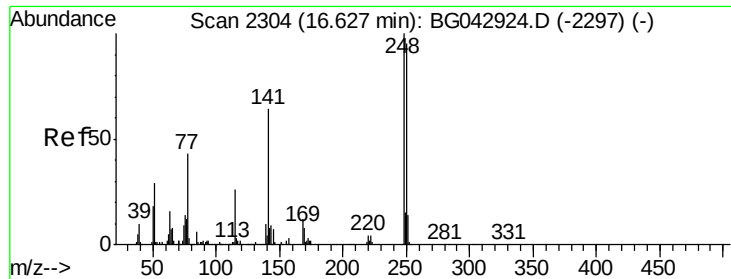
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG042962.D
 Acq: 1 Oct 2019 4:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	5.7	8.5#
80	7.0	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

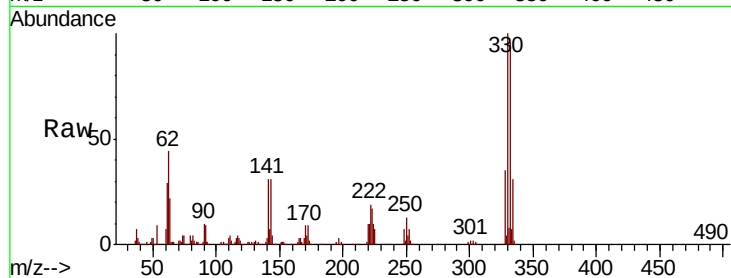




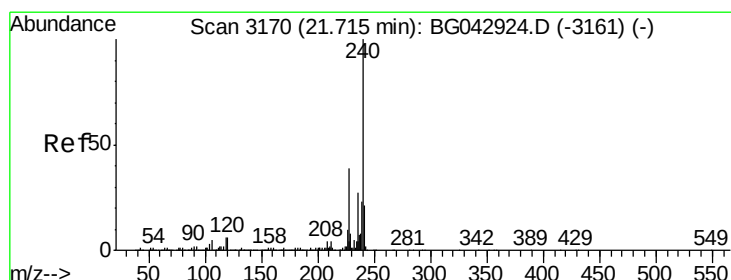
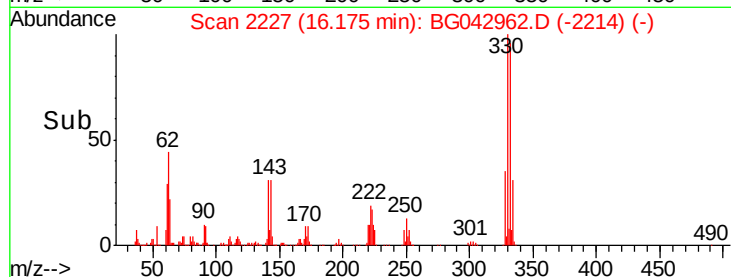
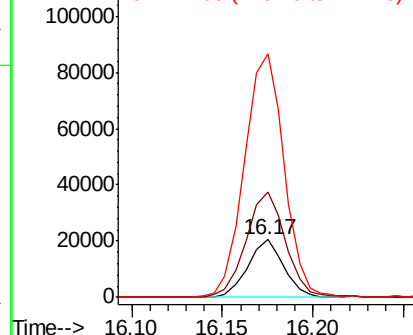
#67
 4-Bromophenyl-phenylether
 Concen: 5.253 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.45 min
 Lab File: BG042962.D
 Acq: 1 Oct 2019 4:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 28480
 Ion Ratio Lower Upper
 248 100
 250 182.7 75.8 113.8#
 141 420.8 51.1 76.7#

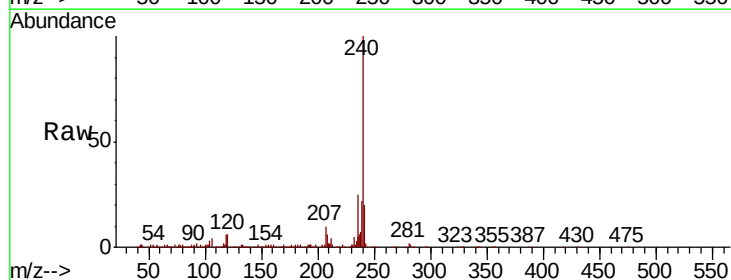


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

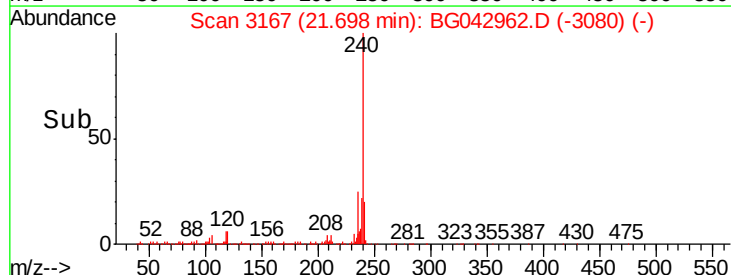
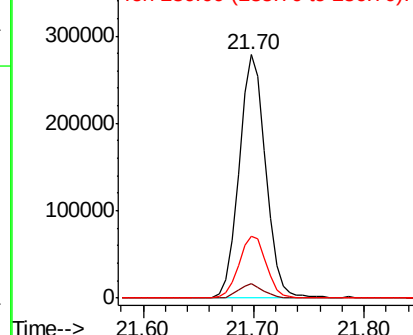


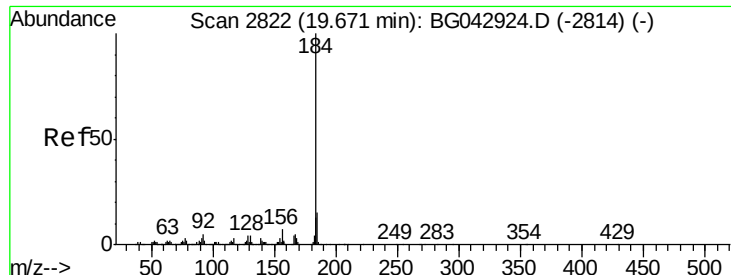
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG042962.D
 Acq: 1 Oct 2019 4:29

Tgt Ion:240 Resp: 469479
 Ion Ratio Lower Upper
 240 100
 120 6.0 4.8 7.2
 236 25.4 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: 2.969 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

Instrument :

BNA_G

ClientSampleId :

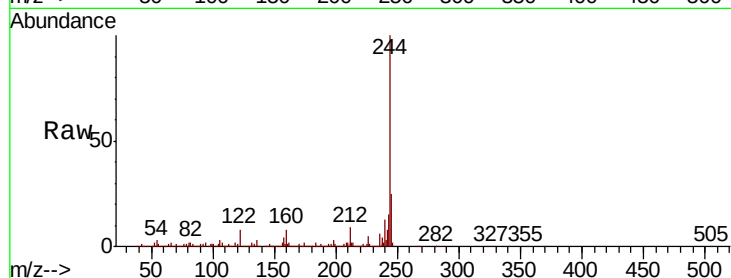
Tot Ion:184 Resp: 34900

Ion Ratio Lower Upper

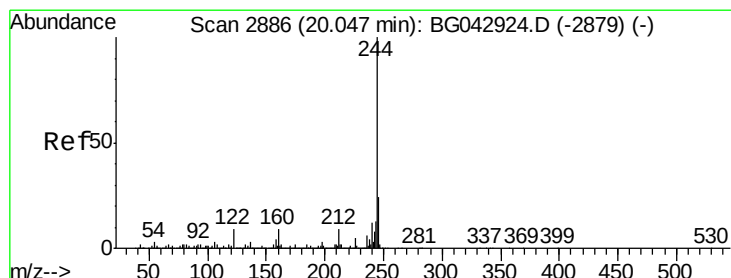
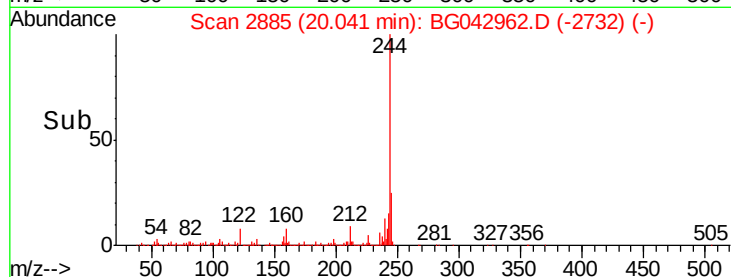
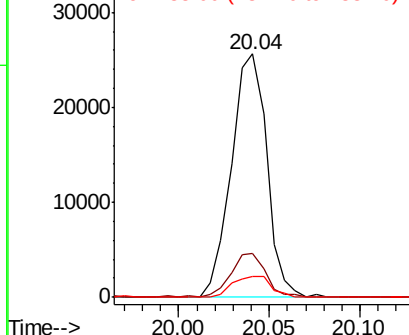
184 100

185 18.0 11.8 17.8#

183 8.7 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: 94.868 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042962.D

Acq: 1 Oct 2019 4:29

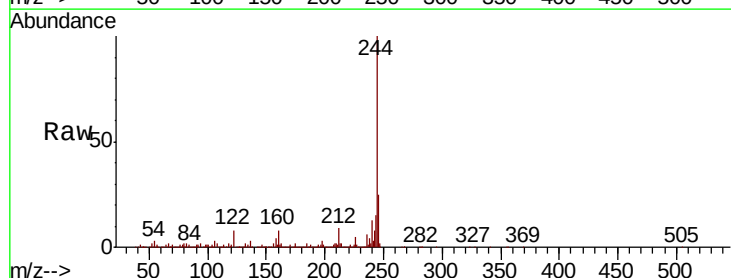
Tgt Ion:244 Resp: 2090147

Ion Ratio Lower Upper

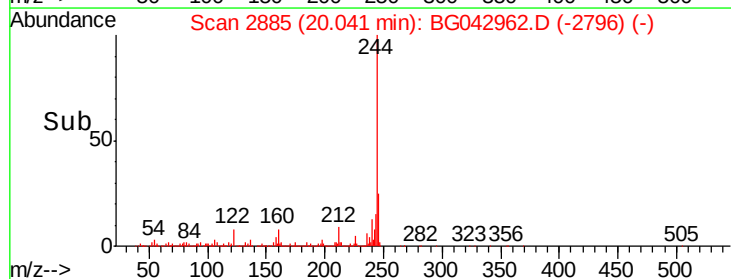
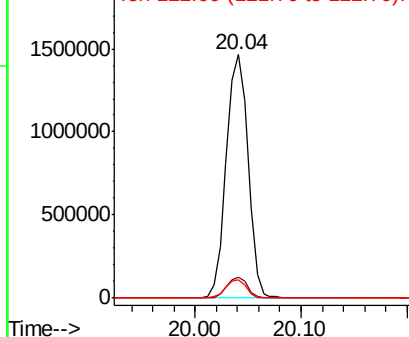
244 100

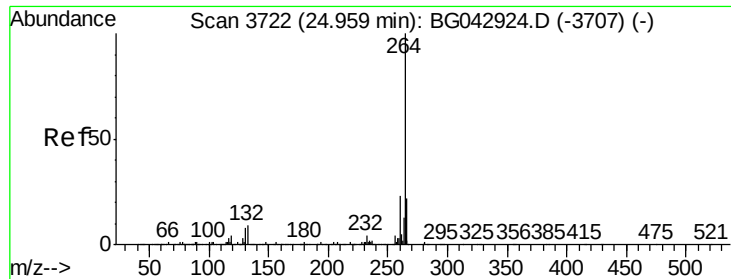
212 8.7 7.4 11.0

122 7.6 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: BG042962.D
 Acq: 1 Oct 2019 4:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.5	17.7	26.5

