

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\
 Data File : BG041652.D
 Acq On : 15 Jul 2019 16:59
 Operator : HP/JU
 Sample : K3618-04RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 16 07:50:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	97335	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	394006	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	247923	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	586709	20.00	ng	0.00
76) Chrysene-d12	21.66	240	575165	20.00	ng	0.00
87) Perylene-d12	24.85	264	637675	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	695365	116.79	ng	0.00
7) Phenol-d6	7.20	99	889136	111.02	ng	0.00
23) Nitrobenzene-d5	9.21	82	627506	96.86	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	425959	152.45	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1501733	93.80	ng	0.00
79) Terphenyl-d14	20.01	244	2238808	90.96	ng	0.00

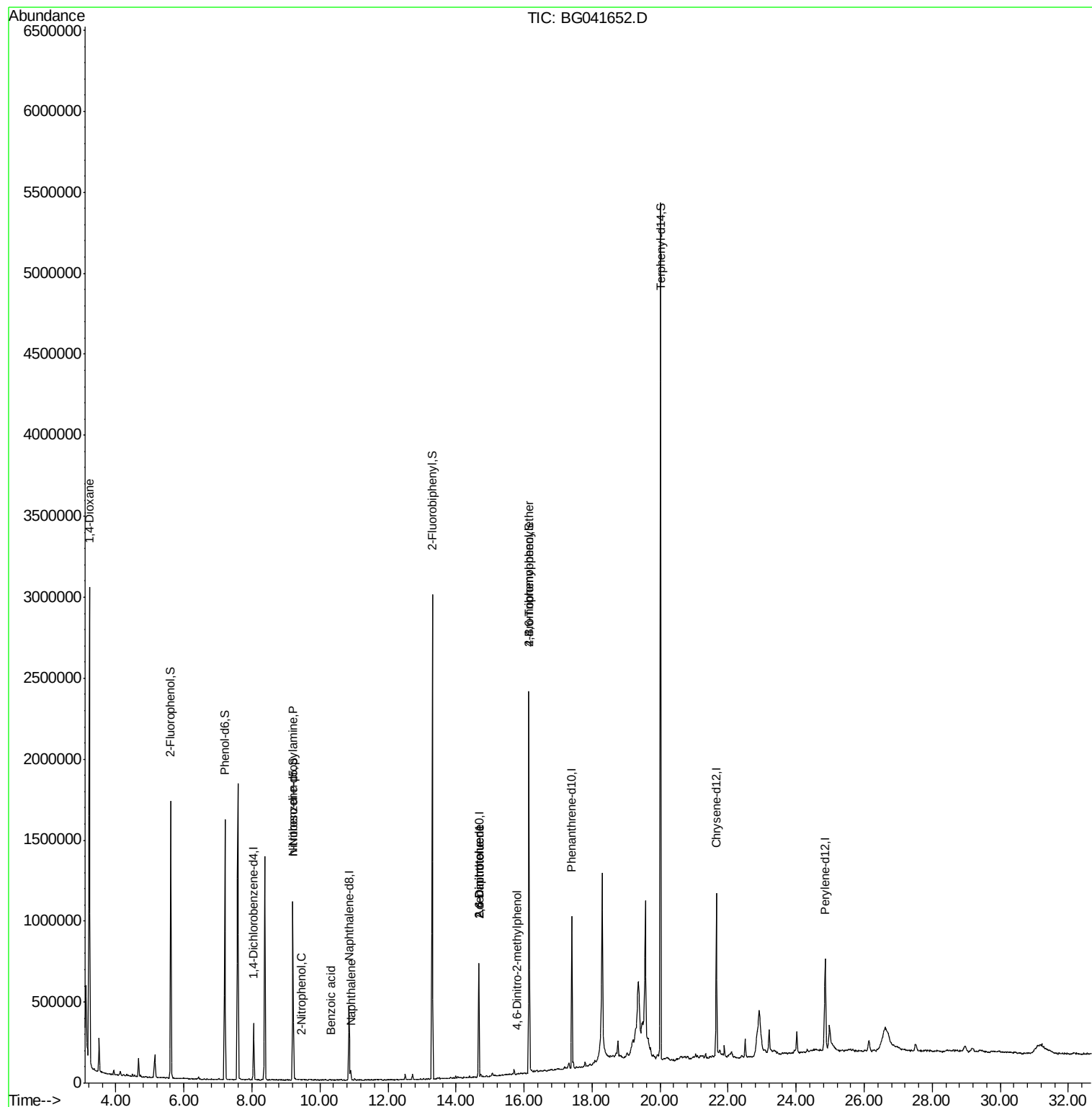
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	29084	10.285	ng	# 1
9) Benzaldehyde	7.20	77	1867	Below Cal		# 13
19) n-Nitroso-di-n-propylamine	9.21	70	88813	15.173	ng	# 78
26) 2-Nitrophenol	9.46	139	55	4.668	ng	# 34
31) Naphthalene	10.90	128	49714	2.563	ng	# 94
32) Benzoic acid	10.31	122	61	6.024	ng	# 87
51) 2,6-Dinitrotoluene	14.66	165	32055	7.761	ng	# 28
57) 2,4-Dinitrotoluene	14.66	165	32055	5.871	ng	# 30
65) 4,6-Dinitro-2-methylphenol	15.80	198	69	6.695	ng	# 35
67) 4-Bromophenyl-phenylether	16.15	248	33199	4.756	ng	# 1

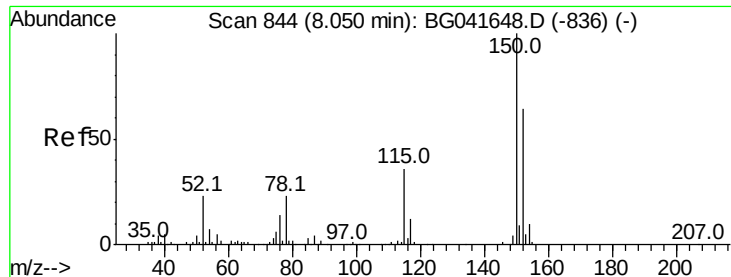
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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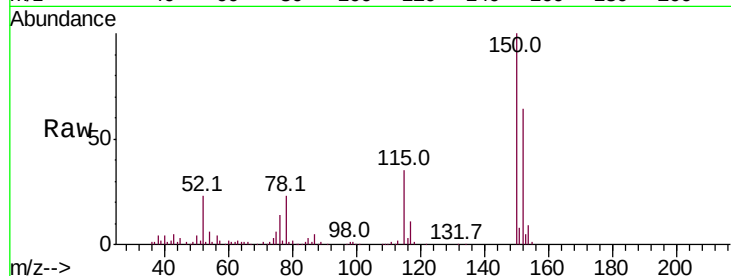


#1

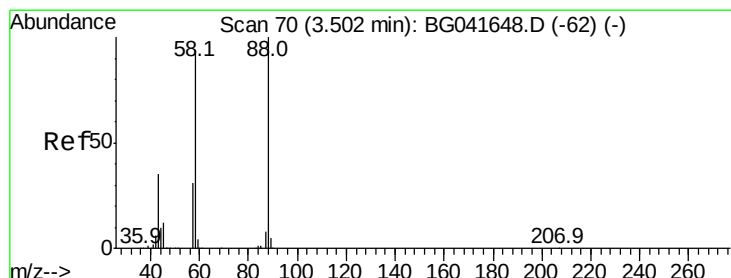
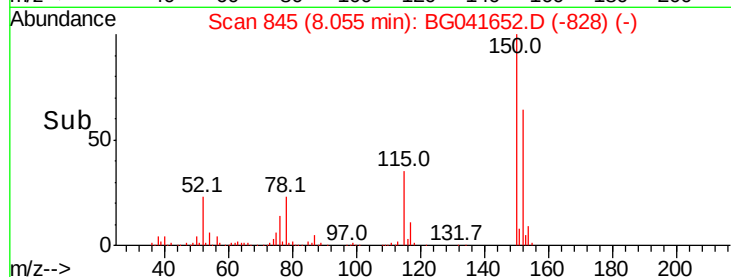
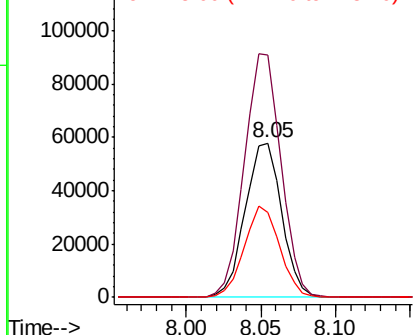
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. 0.00 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 97335
Ion Ratio Lower Upper
152 100
150 156.8 126.9 190.3
115 55.0 45.0 67.6



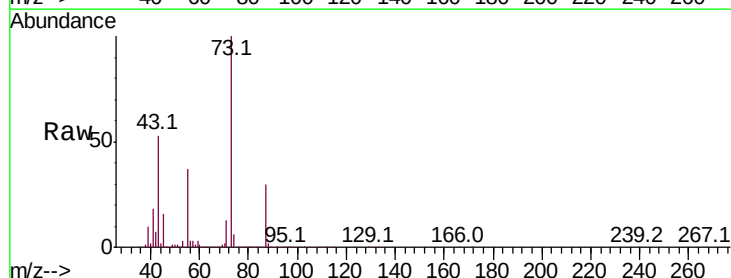
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



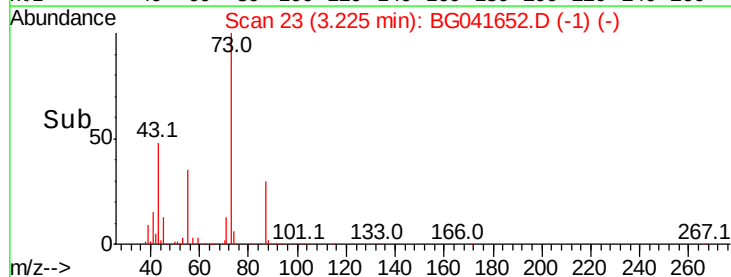
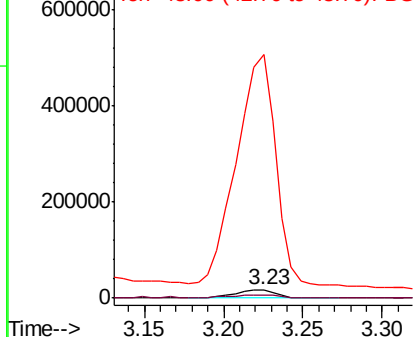
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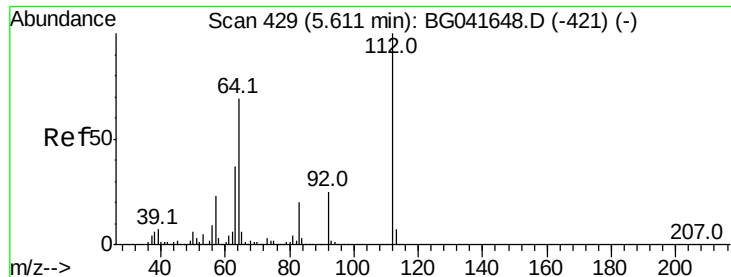
1,4-Dioxane
Concen: 10.285 ng
RT: 3.23 min Scan# 23
Delta R.T. -0.27 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Tgt Ion: 88 Resp: 29084
Ion Ratio Lower Upper
88 100
58 32.7 76.2 114.2#
43 2989.8 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 116.787 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG041652.D

Acq: 15 Jul 2019 16:59

Instrument :

BNA_G

ClientSampled :

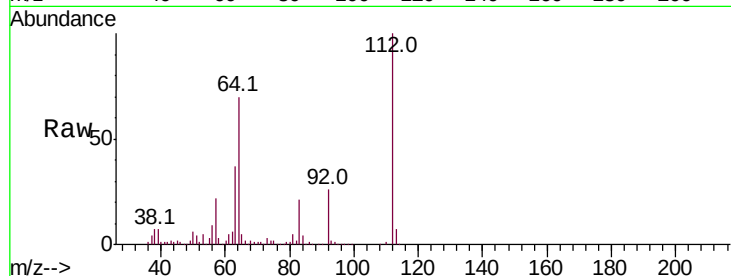
Tot Ion:112 Resp: 695365

Ion Ratio Lower Upper

112 100

64 70.2 55.4 83.2

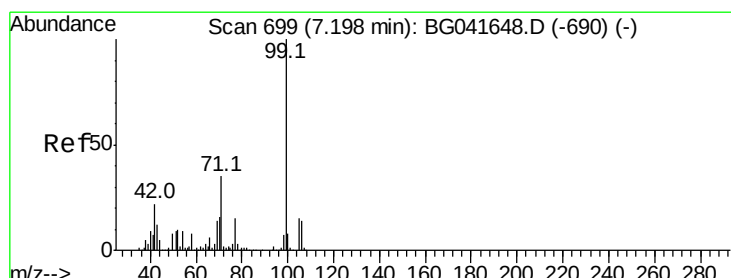
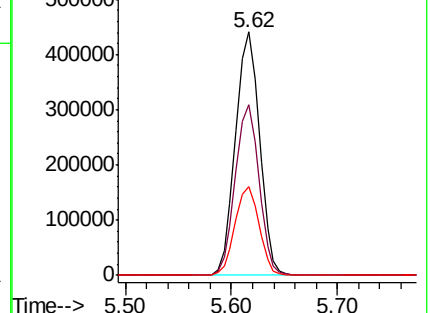
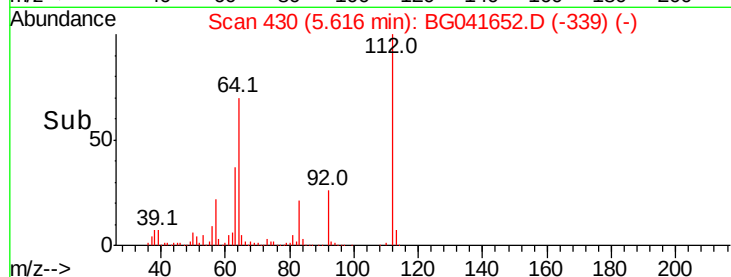
63 36.7 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 111.023 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041652.D

Acq: 15 Jul 2019 16:59

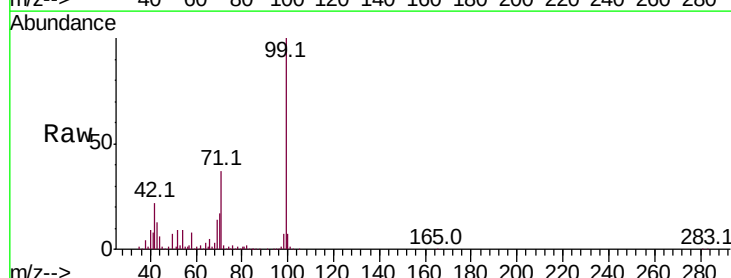
Tgt Ion: 99 Resp: 889136

Ion Ratio Lower Upper

99 100

42 22.3 17.6 26.4

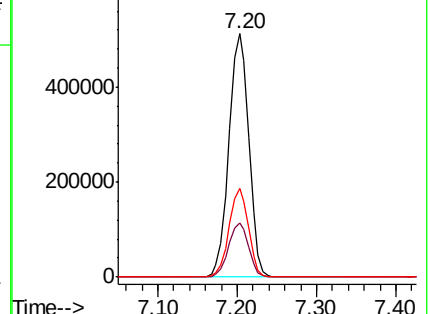
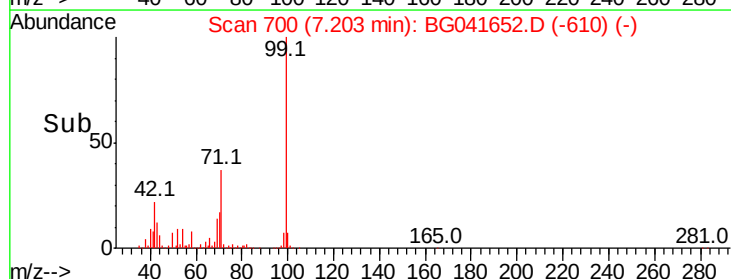
71 36.6 27.8 41.6

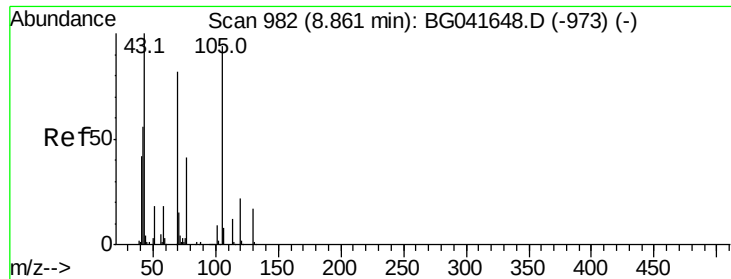


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

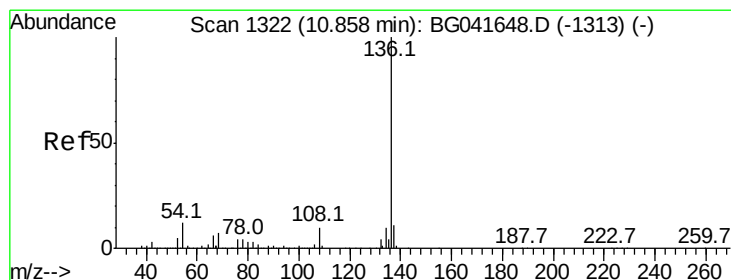
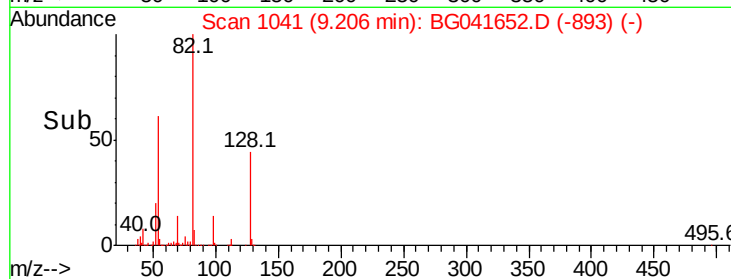
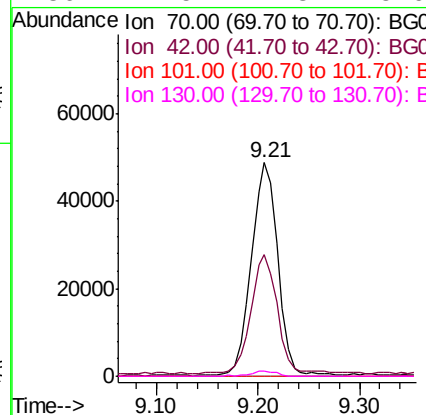
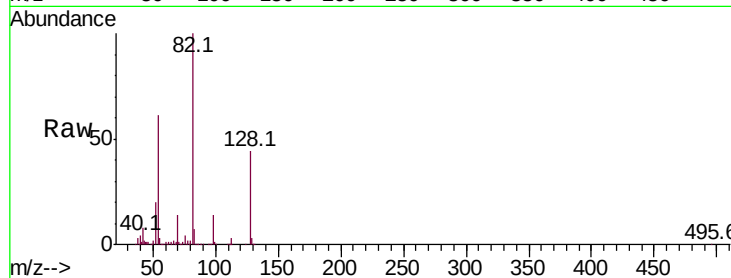




#19
n-Nitroso-di-n-propylamine
Concen: 15.173 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.34 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

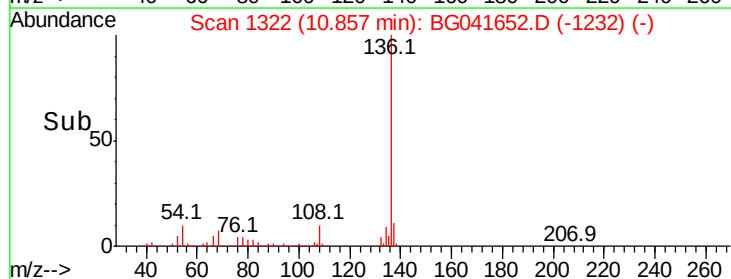
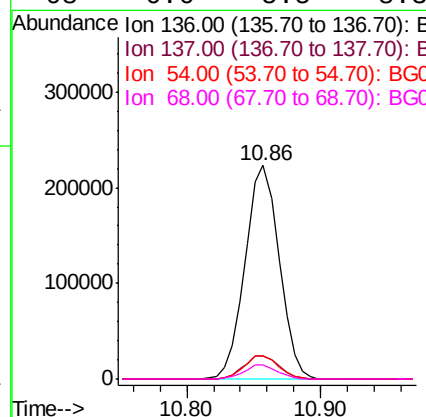
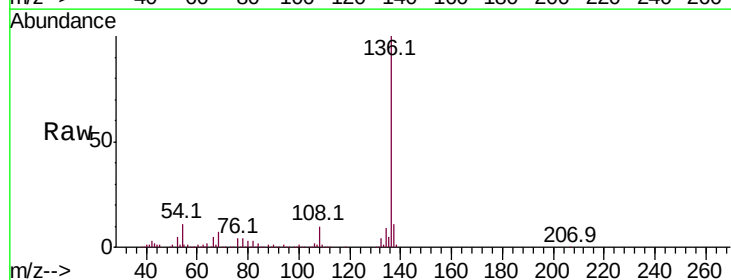
Instrument :
BNA_G
ClientSampleId :

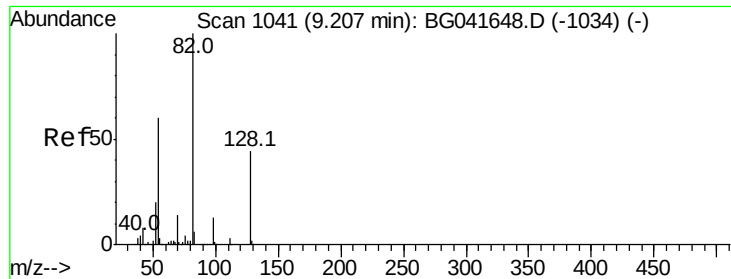
Tot Ion: 70 Resp: 88813
Ion Ratio Lower Upper
70 100
42 56.8 55.8 83.6
101 0.0 8.1 12.1#
130 2.5 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Tgt Ion:136 Resp: 394006
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 10.5 8.7 13.1
68 6.6 5.5 8.3

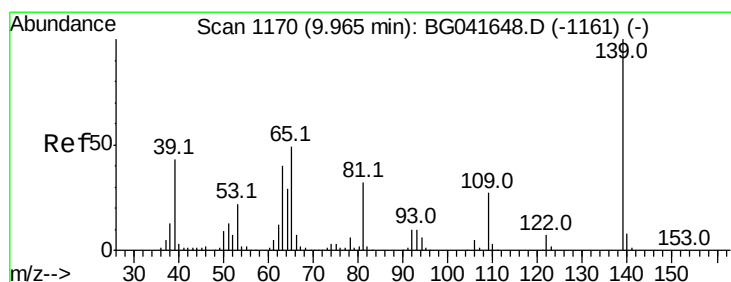
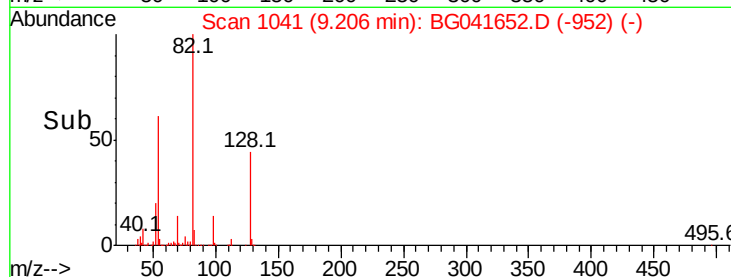
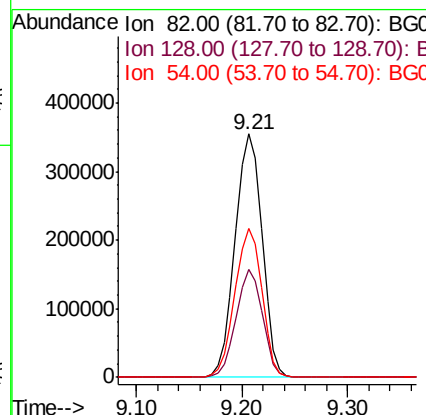
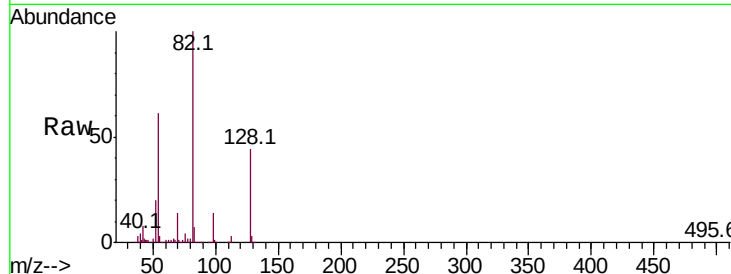




#23
 Nitrobenzene-d5
 Concen: 96.856 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG041652.D
 Acq: 15 Jul 2019 16:59

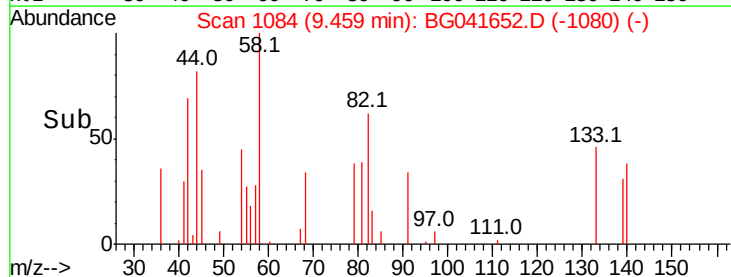
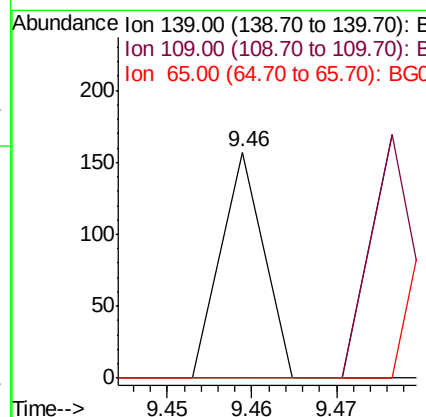
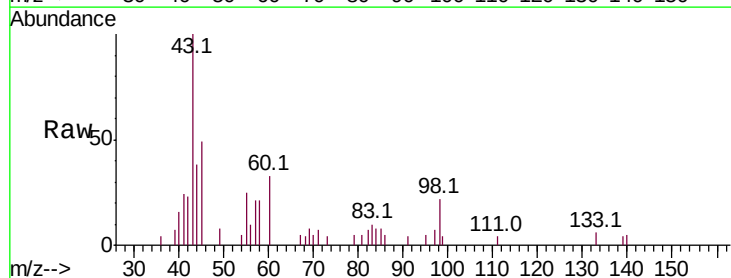
Instrument :
 BNA_G
 ClientSampleId :

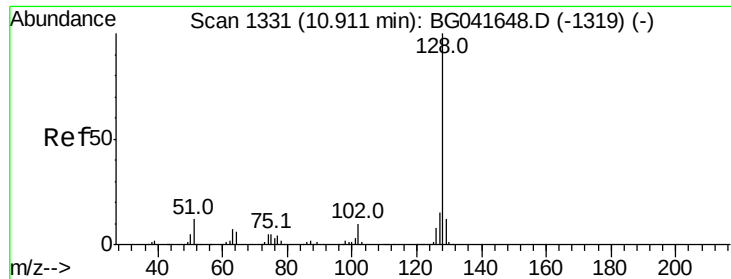
Tot Ion	82	Resp	627506
Ion Ratio	Lower	Upper	
82	100		
128	44.5	35.1	52.7
54	61.2	48.7	73.1



#26
 2-Nitrophenol
 Concen: 4.668 ng
 RT: 9.46 min Scan# 1084
 Delta R.T. -0.50 min
 Lab File: BG041652.D
 Acq: 15 Jul 2019 16:59

Tgt Ion	139	Resp	55
Ion Ratio	Lower	Upper	
139	100		
109	0.0	22.7	34.1#
65	0.0	41.1	61.7#

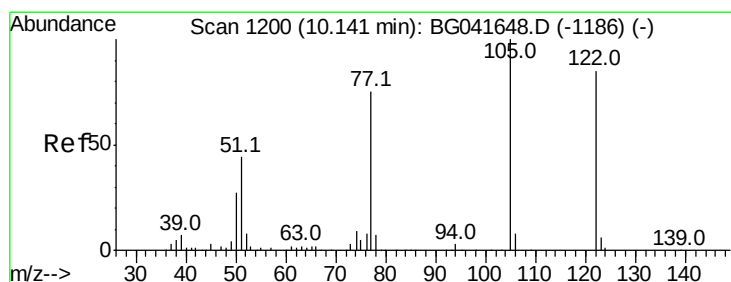
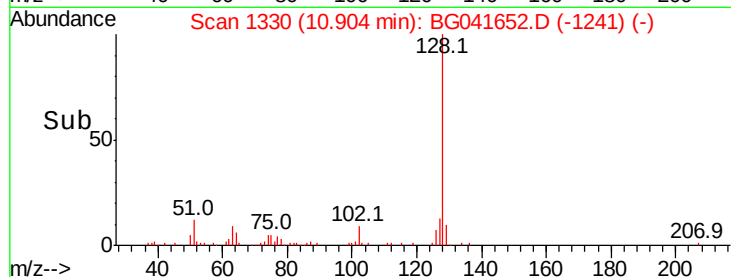
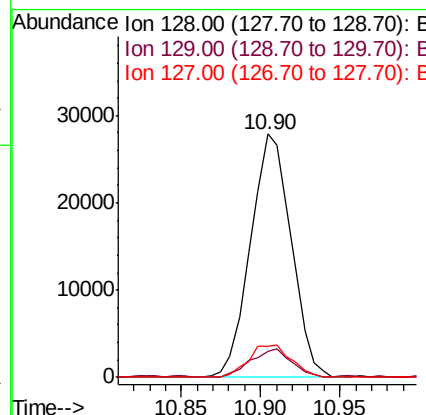
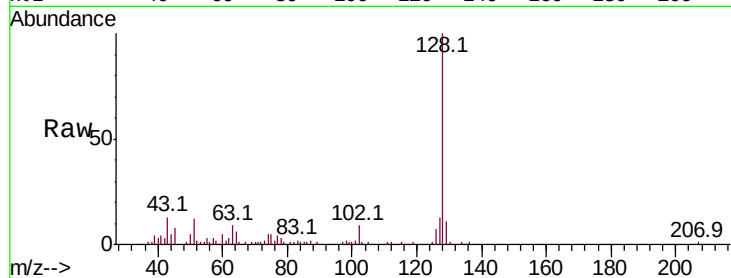




#31
Naphthalene
Concen: 2.563 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

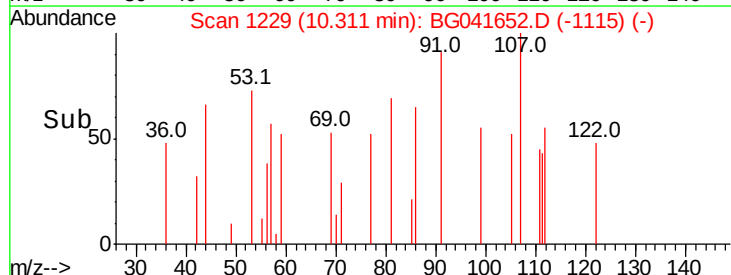
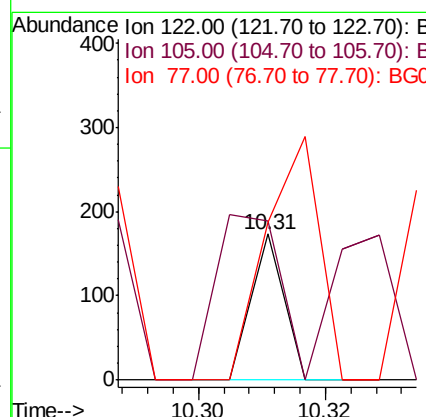
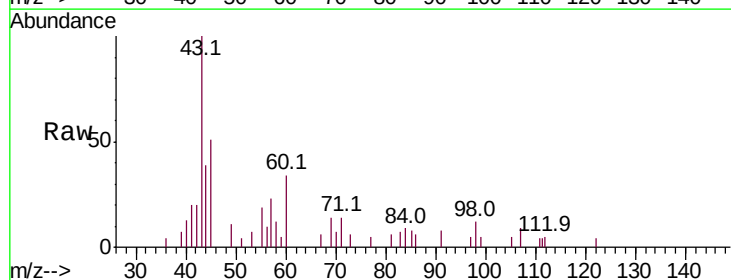
Instrument :
BNA_G
ClientSampleId :

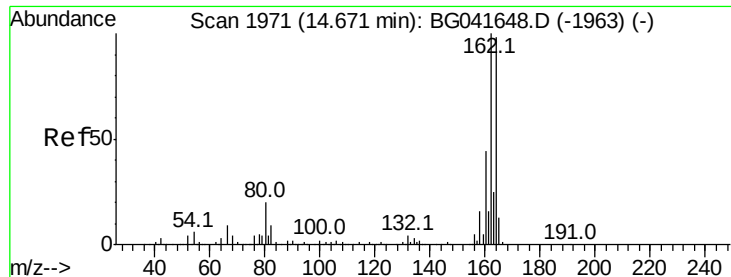
Tot Ion:128 Resp: 49714
Ion Ratio Lower Upper
128 100
129 10.9 10.0 15.0
127 12.6 12.3 18.5



#32
Benzoic acid
Concen: 6.024 ng
RT: 10.31 min Scan# 1229
Delta R.T. 0.14 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 109.2 101.5 141.5
77 108.1 73.0 113.0

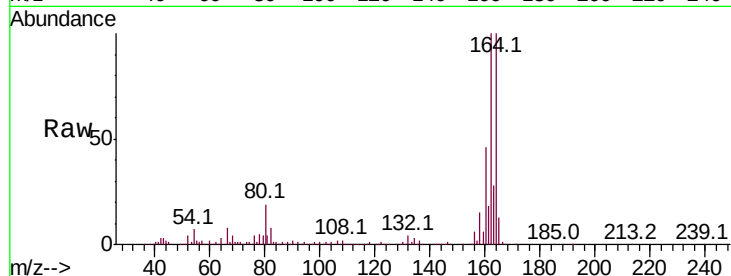




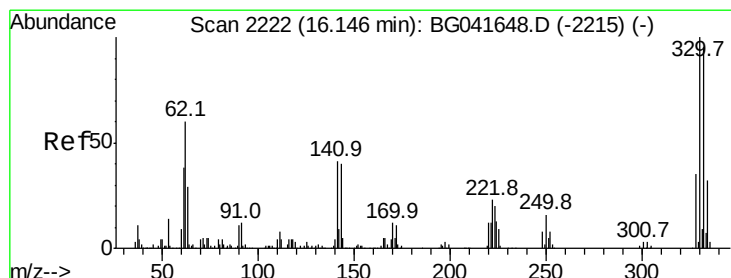
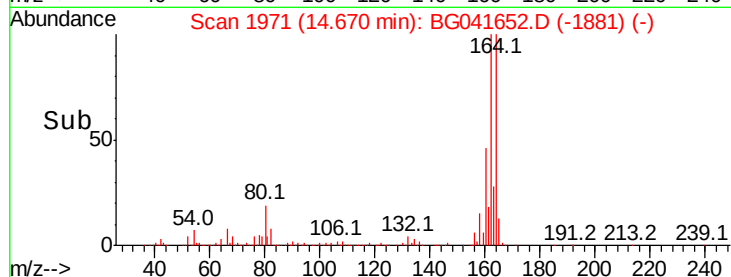
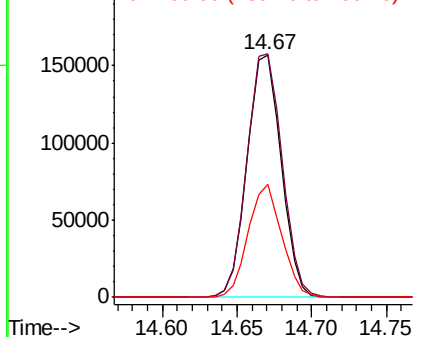
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: BG041652.D
 Acq: 15 Jul 2019 16:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 247923
 Ion Ratio Lower Upper
 164 100
 162 100.3 79.6 119.4
 160 46.6 35.4 53.0

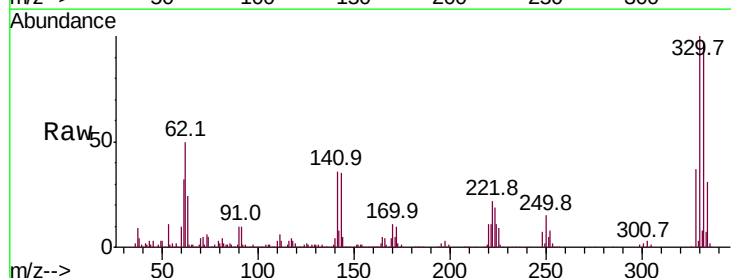


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

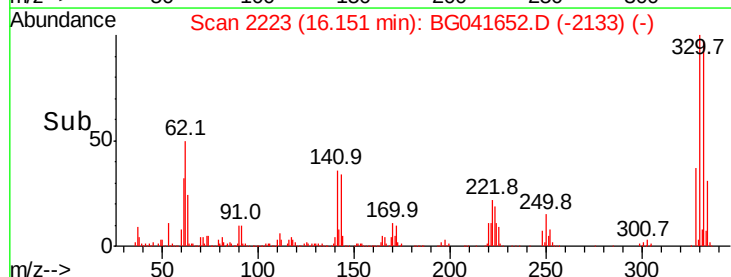
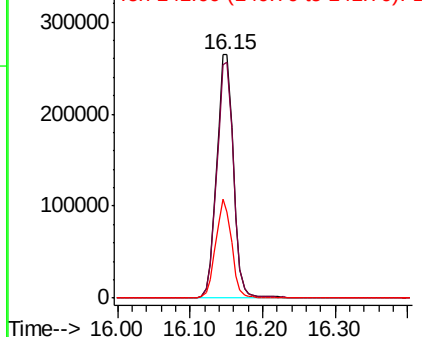


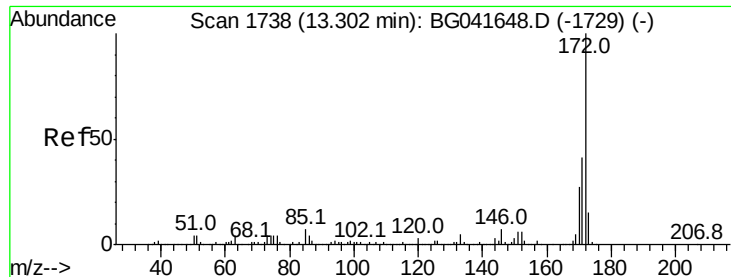
#42
 2,4,6-Tribromophenol
 Concen: 152.452 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG041652.D
 Acq: 15 Jul 2019 16:59

Tgt Ion:330 Resp: 425959
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.0
 141 38.7 31.9 47.9



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

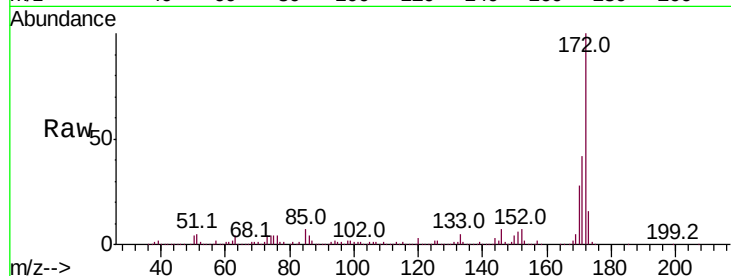




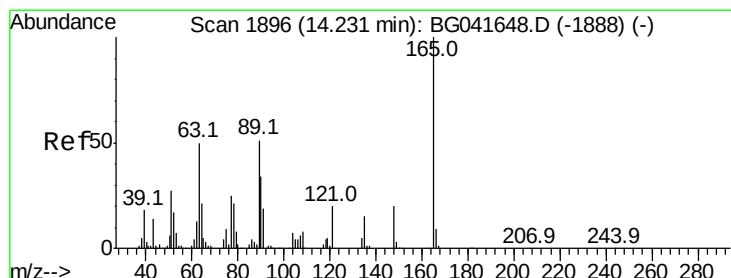
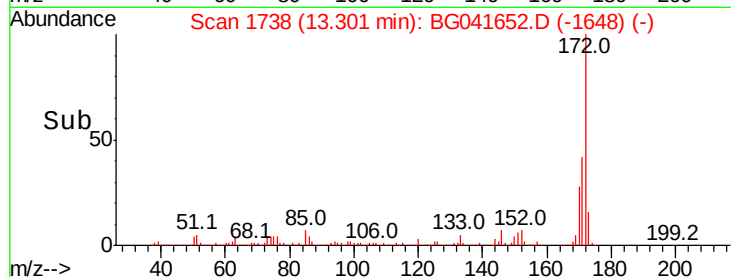
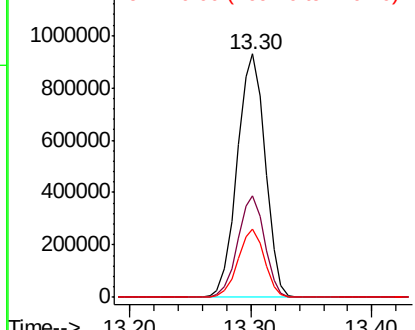
#45
2-Fluorobiphenyl
Concen: 93.796 ng
RT: 13.30 min Scan# 1738
Delta R.T. 0.00 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1501733
Ion Ratio Lower Upper
172 100
171 41.6 35.0 52.4
170 27.8 23.5 35.3

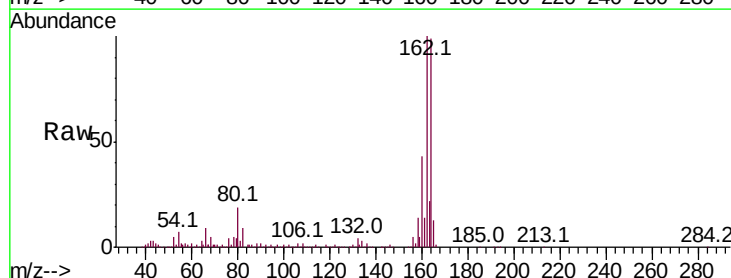


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

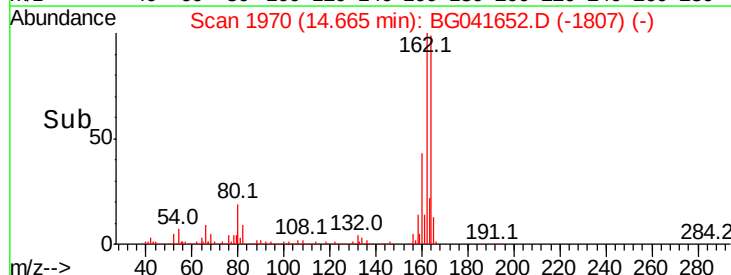
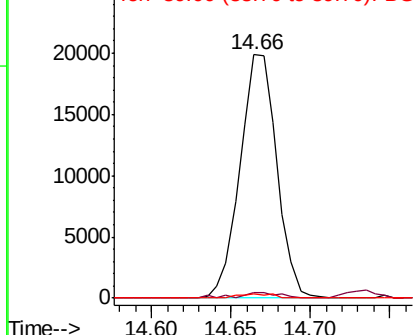


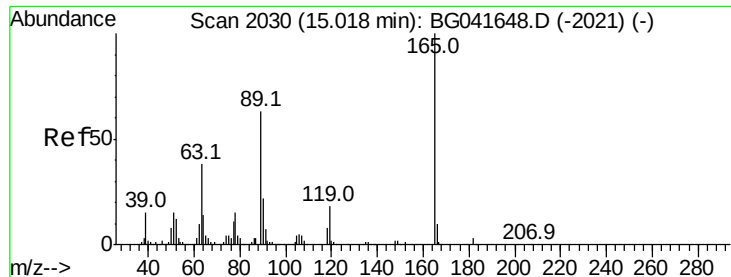
#51
2,6-Dinitrotoluene
Concen: 7.761 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.43 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Tgt Ion:165 Resp: 32055
Ion Ratio Lower Upper
165 100
63 2.5 42.4 63.6#
89 1.6 42.1 63.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

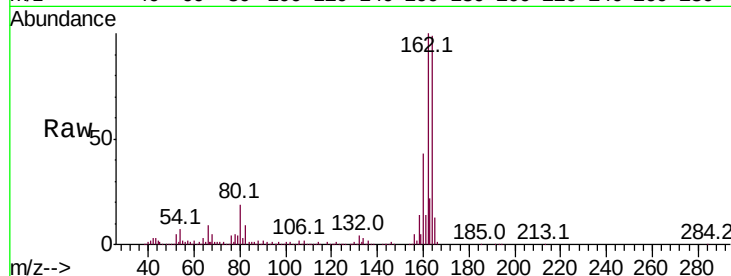




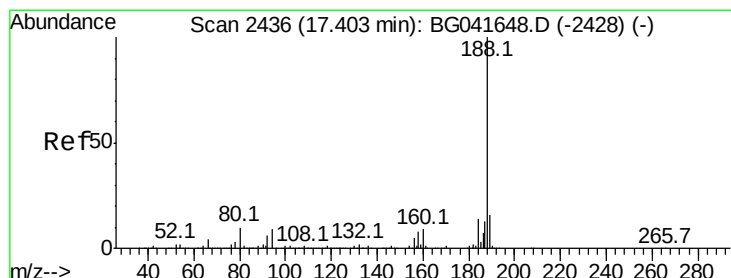
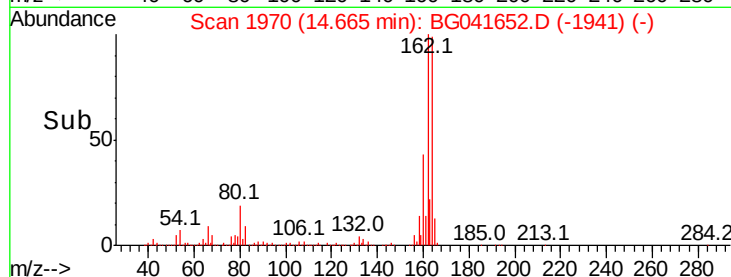
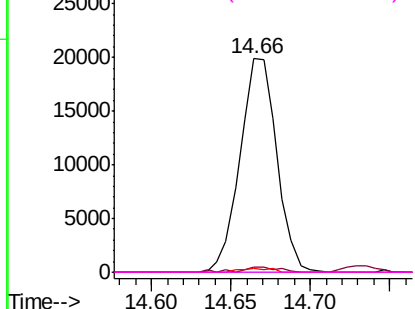
#57
 2,4-Dinitrotoluene
 Concen: 5.871 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG041652.D
 Acq: 15 Jul 2019 16:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 32055
 Ion Ratio Lower Upper
 165 100
 63 2.5 31.7 47.5#
 89 1.6 50.2 75.4#
 182 0.0 2.6 4.0#

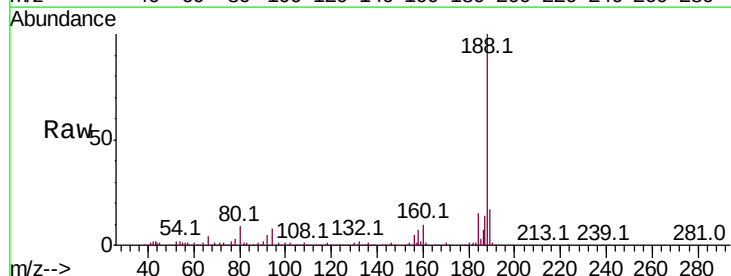


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

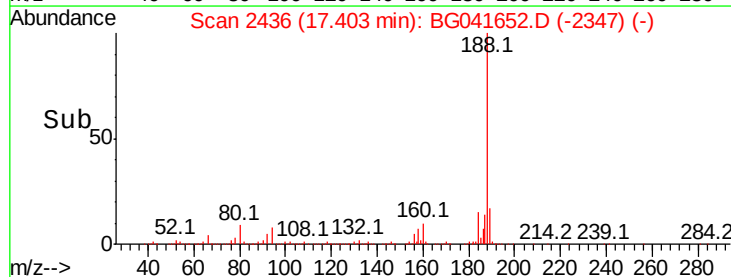
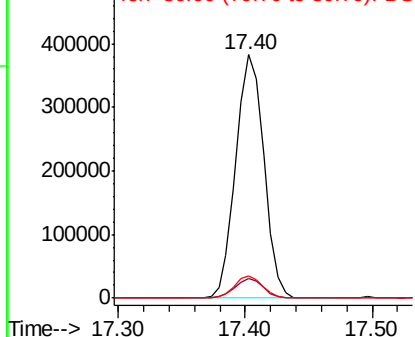


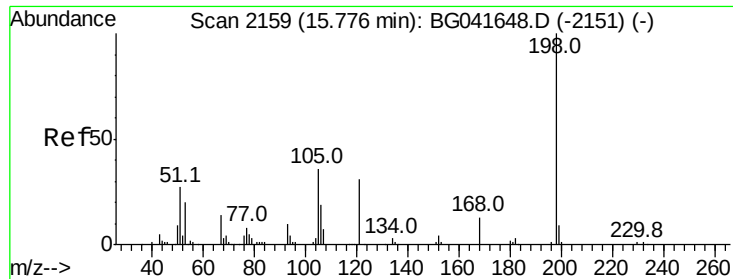
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG041652.D
 Acq: 15 Jul 2019 16:59

Tgt Ion:188 Resp: 586709
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.9 10.3
 80 9.4 8.0 12.0



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

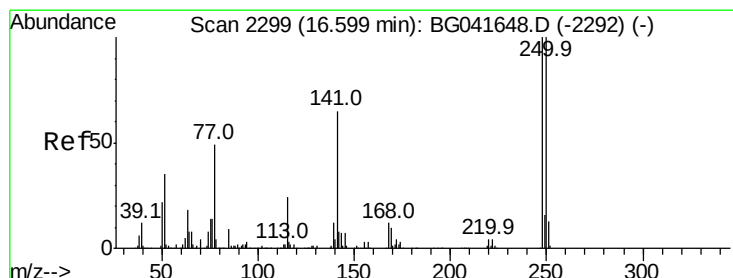
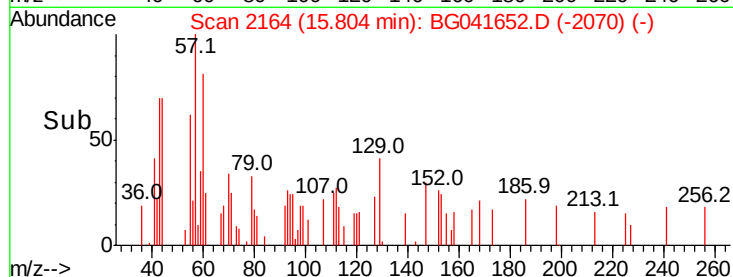
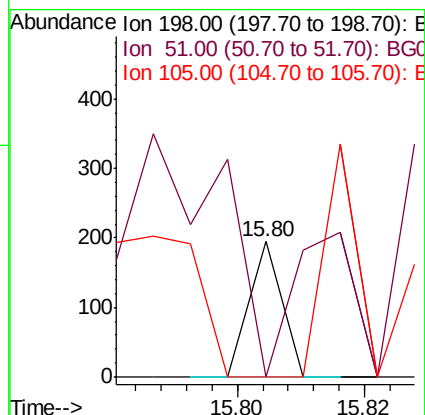
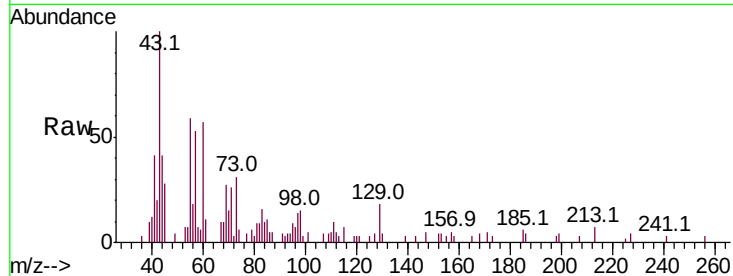




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.695 ng
 RT: 15.80 min Scan# 2164
 Delta R.T. 0.02 min
 Lab File: BG041652.D
 Acq: 15 Jul 2019 16:59

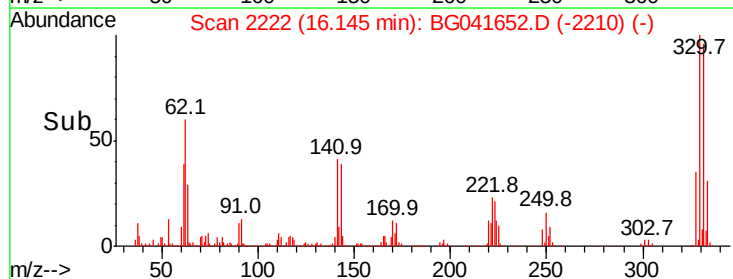
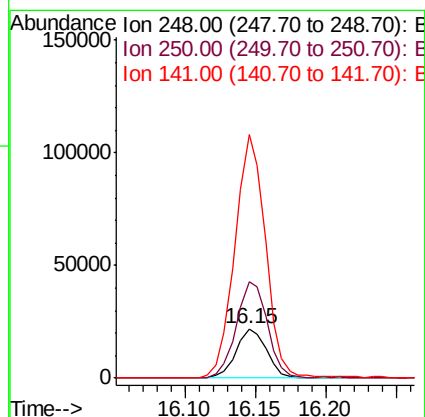
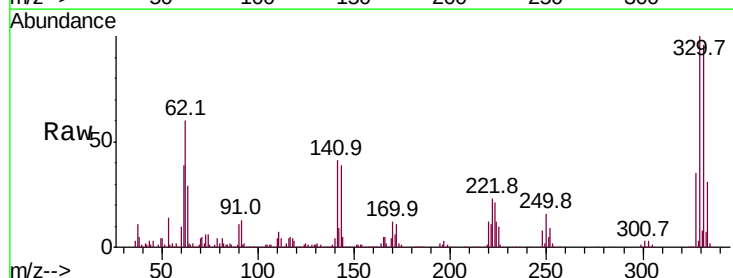
Instrument :
 BNA_G
 ClientSampleId :

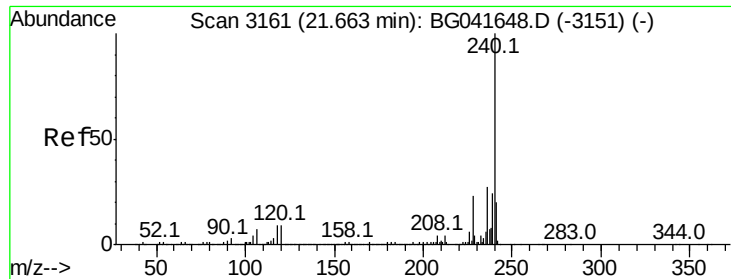
Tot Ion:198 Resp: 69
 Ion Ratio Lower Upper
 198 100
 51 0.0 22.3 62.3#
 105 0.0 18.0 58.0#



#67
 4-Bromophenyl-phenylether
 Concen: 4.756 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041652.D
 Acq: 15 Jul 2019 16:59

Tgt Ion:248 Resp: 33199
 Ion Ratio Lower Upper
 248 100
 250 195.7 78.1 117.1#
 141 496.6 49.6 74.4#

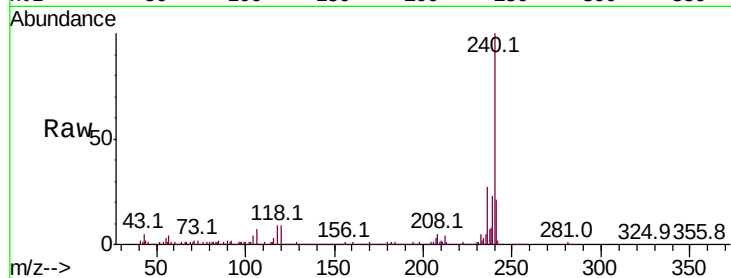




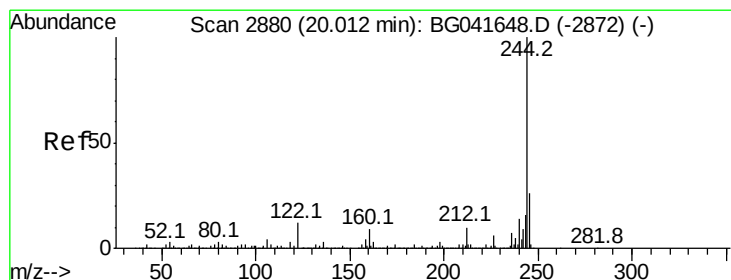
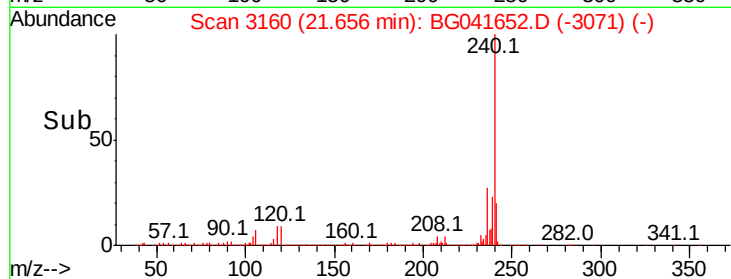
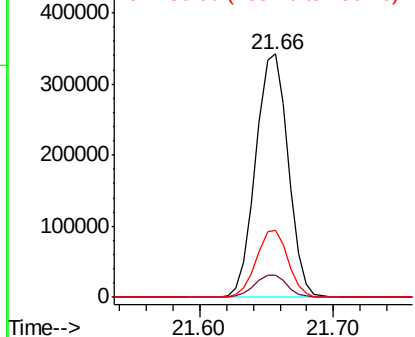
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 575165
Ion Ratio Lower Upper
240 100
120 9.2 8.0 12.0
236 27.4 22.6 33.8

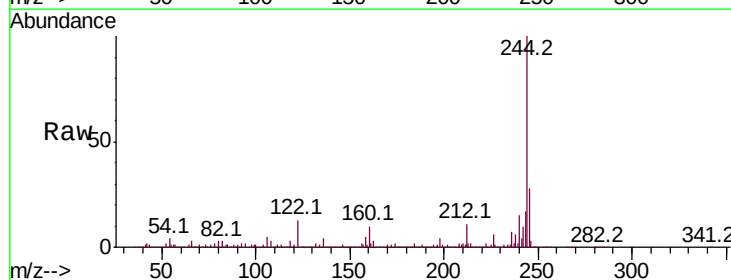


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

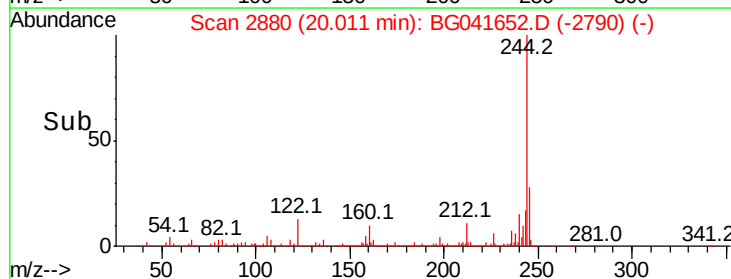
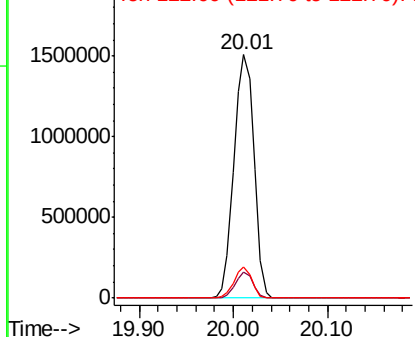


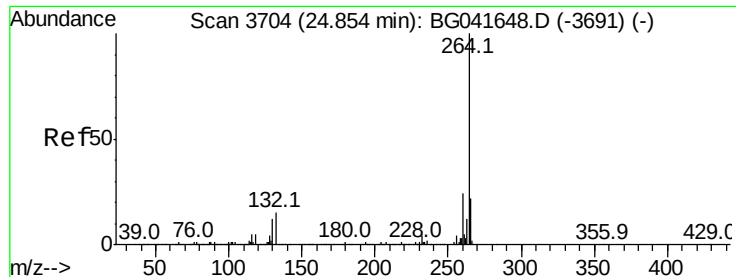
#79
Terphenyl-d14
Concen: 90.962 ng
RT: 20.01 min Scan# 2880
Delta R.T. 0.00 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Tgt Ion:244 Resp: 2238808
Ion Ratio Lower Upper
244 100
212 10.9 9.7 14.5
122 12.9 12.5 18.7



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: 24.85 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG041652.D
Acq: 15 Jul 2019 16:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.7	18.0	27.0

