

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071919\
 Data File : BG041727.D
 Acq On : 19 Jul 2019 9:55
 Operator : HP/JU
 Sample : K3838-03RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 11:05:05 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	8.04	152	120458	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	477429	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	291953	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	702131	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	750273	20.00	ng	-0.01
87) Perylene-d12	24.84	264	889662	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	54955	7.46	ng	0.00
7) Phenol-d6	7.20	99	58270	5.88	ng	0.00
23) Nitrobenzene-d5	9.20	82	255586	32.56	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	36388	11.06	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	611465	32.43	ng	-0.01
79) Terphenyl-d14	20.00	244	1024279	31.90	ng	-0.01

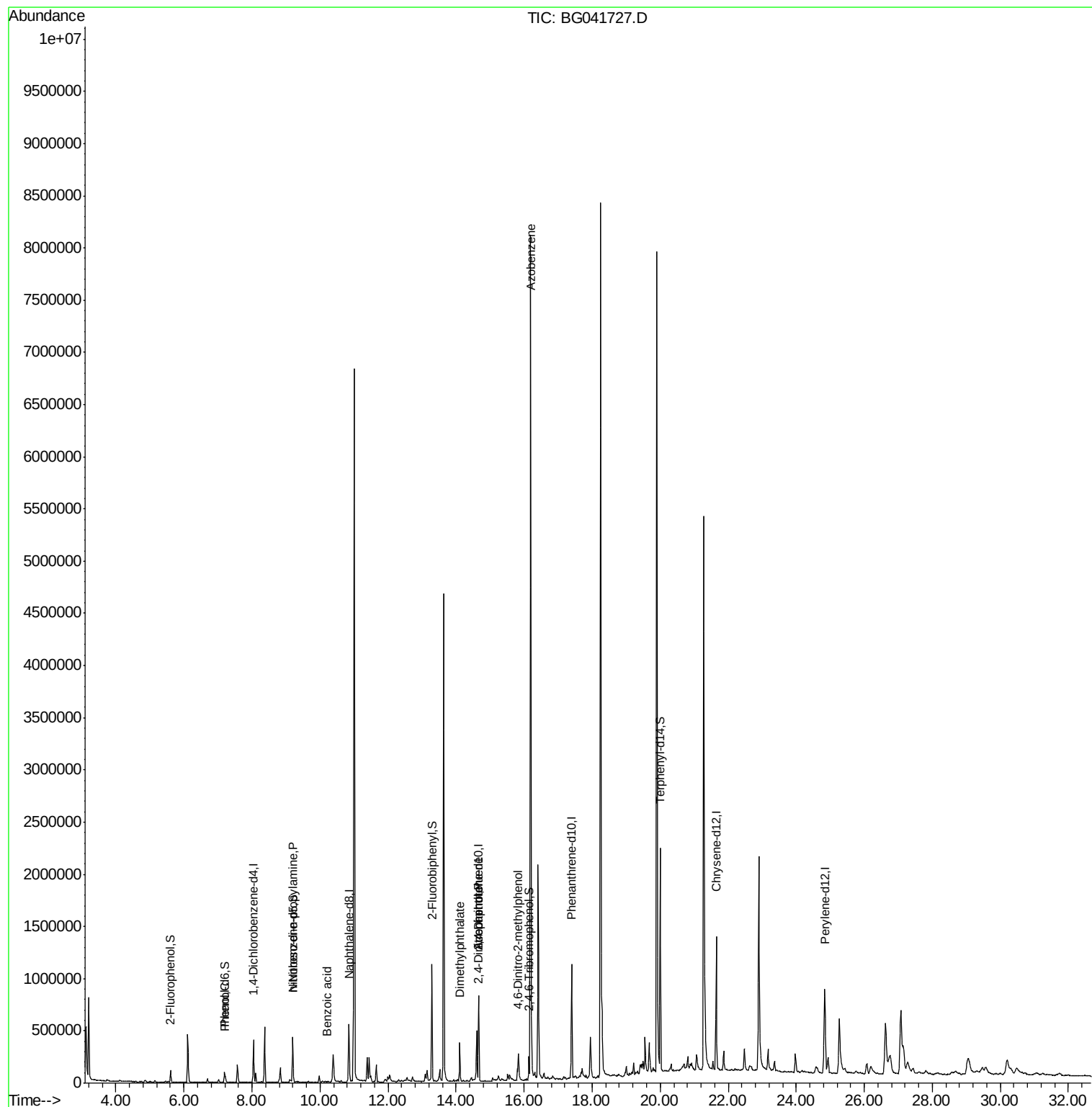
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	1787	Below Cal		# 73
10) Phenol	7.22	94	24914	2.386	ng	99
19) n-Nitroso-di-n-propylamine	9.20	70	33405	4.611	ng	# 80
32) Benzoic acid	10.23	122	147	6.037	ng	# 48
50) Dimethylphthalate	14.11	163	256363	11.180	ng	97
54) 2,4-Dinitrophenol	14.65	184	54	7.749	ng	# 1
57) 2,4-Dinitrotoluene	14.66	165	39446	6.135	ng	# 30
63) Azobenzene	16.20	77	86932	4.163	ng	# 50
65) 4,6-Dinitro-2-methylphenol	15.83	198	824	6.887	ng	74
77) Benzidine	19.90	184	47348	Below Cal		# 82

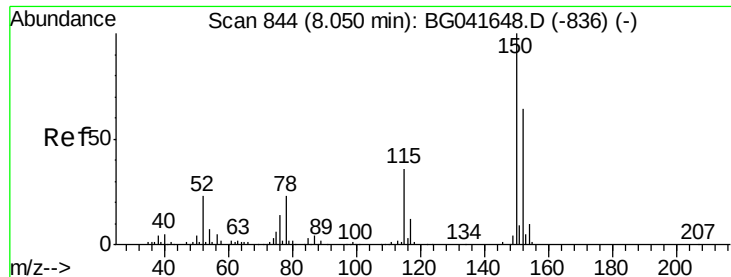
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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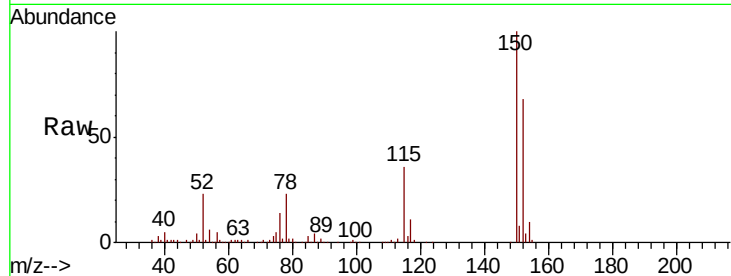


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.2	126.9	190.3
115	52.7	45.0	67.6

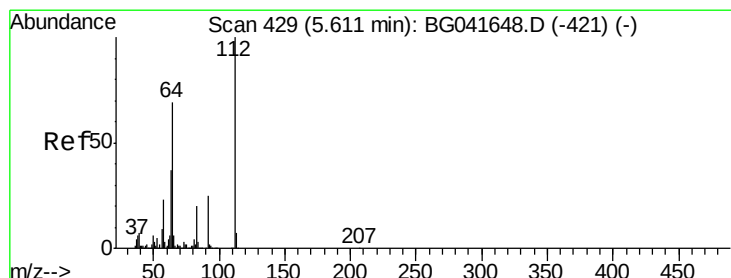
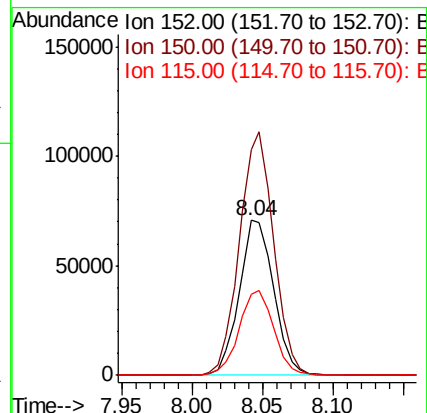
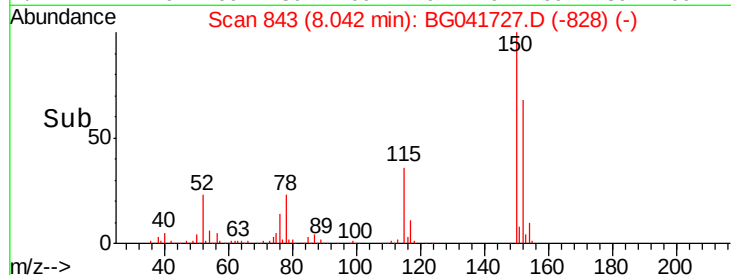


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

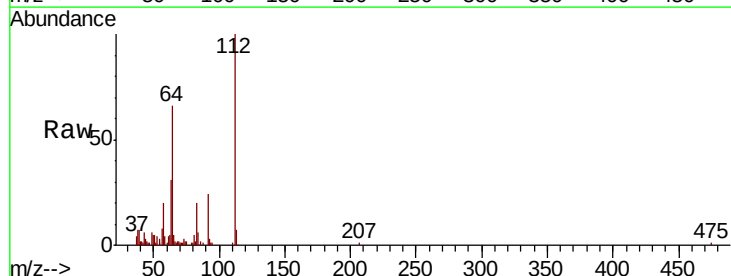
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 7.458 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	55.4	83.2
63	30.8	29.1	43.7

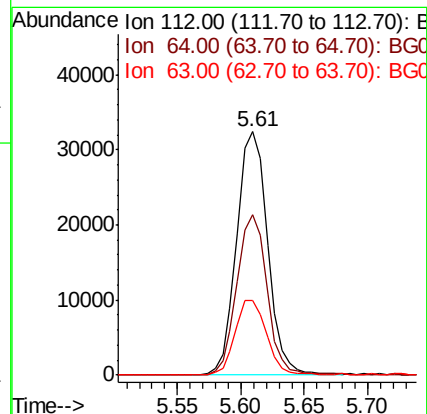
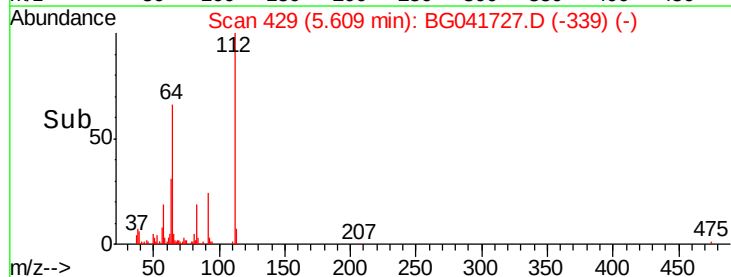


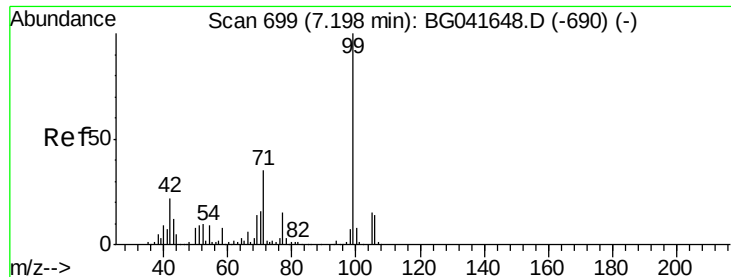
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 5.879 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041727.D

Acq: 19 Jul 2019 9:55

Instrument :

BNA_G

ClientSampleId :

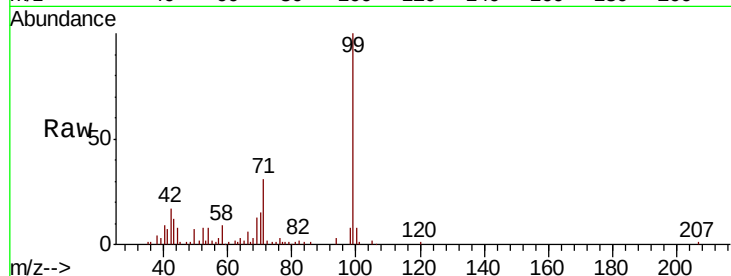
Tot Ion: 99 Resp: 58270

Ion Ratio Lower Upper

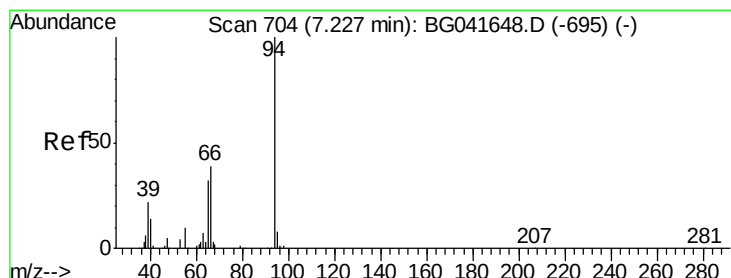
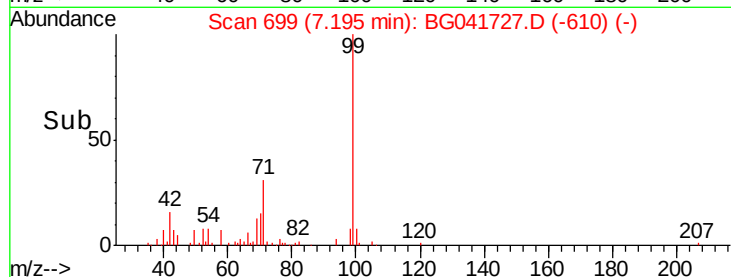
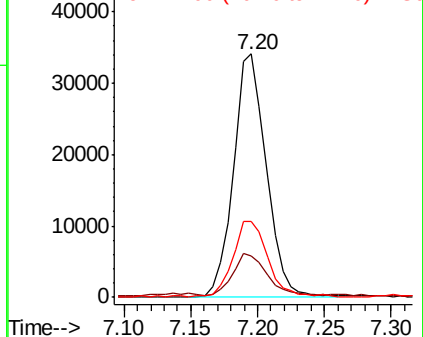
99 100

42 17.0 17.6 26.4#

71 31.3 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



#10

Phenol

Concen: 2.386 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG041727.D

Acq: 19 Jul 2019 9:55

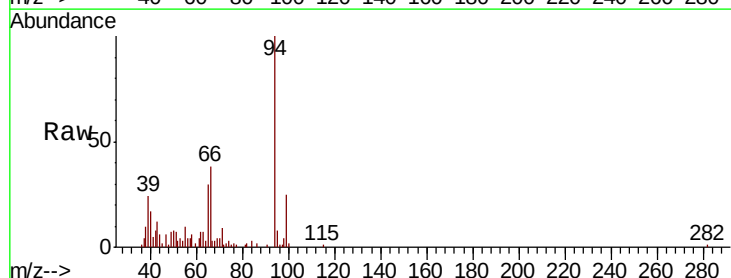
Tgt Ion: 94 Resp: 24914

Ion Ratio Lower Upper

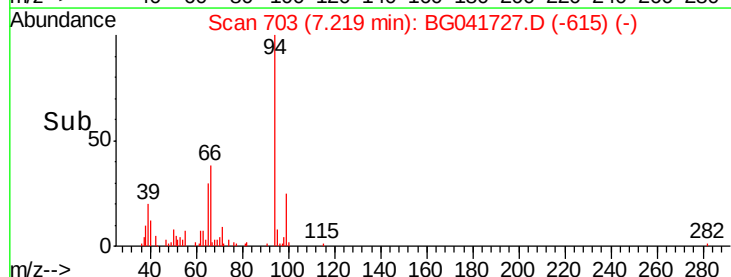
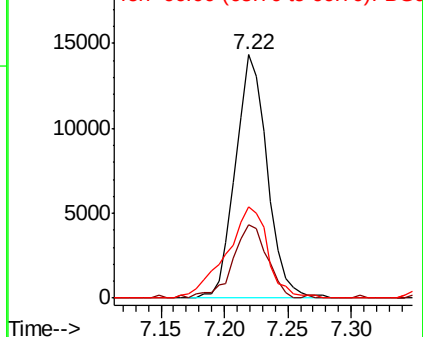
94 100

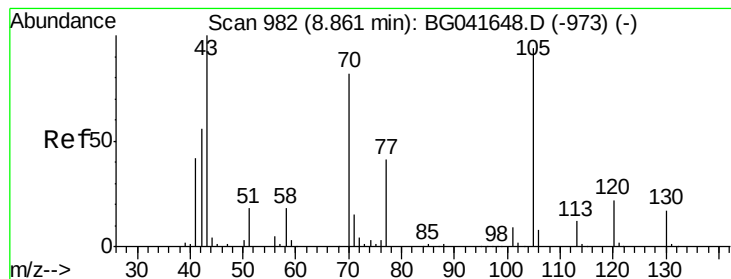
65 30.3 10.6 50.6

66 37.7 18.2 58.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 4.611 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.33 min

Lab File: BG041727.D

Acq: 19 Jul 2019 9:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 33405

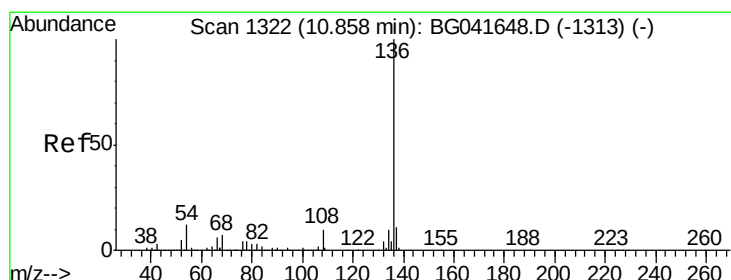
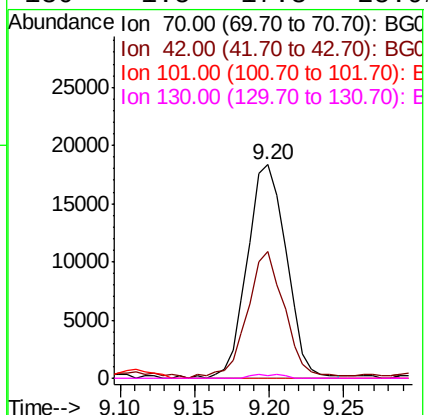
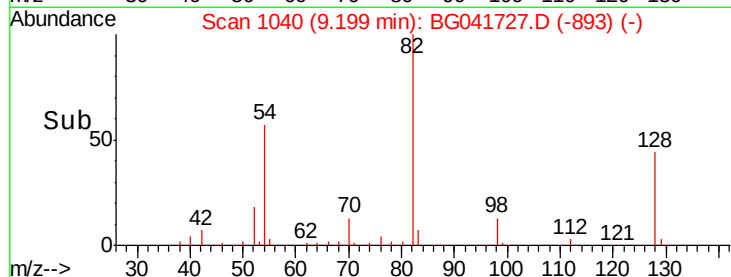
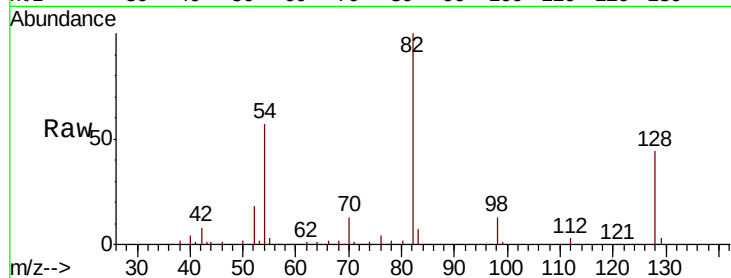
Ion Ratio Lower Upper

70 100

42 59.4 55.8 83.6

101 0.0 8.1 12.1#

130 1.5 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041727.D

Acq: 19 Jul 2019 9:55

Tgt Ion: 136 Resp: 477429

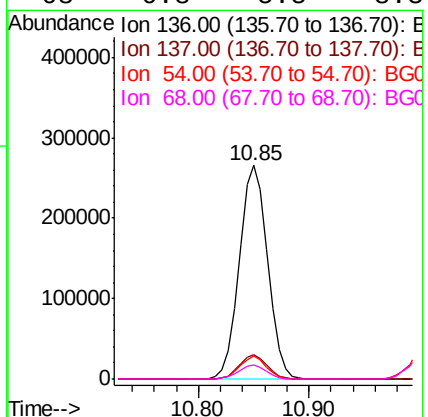
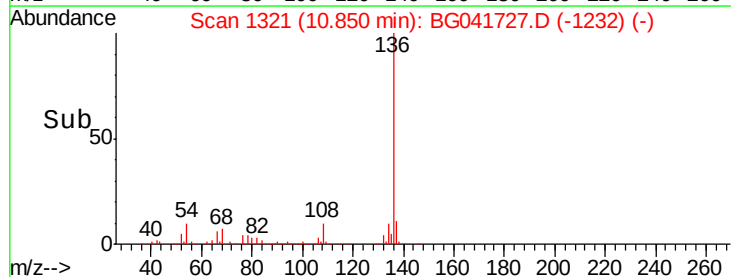
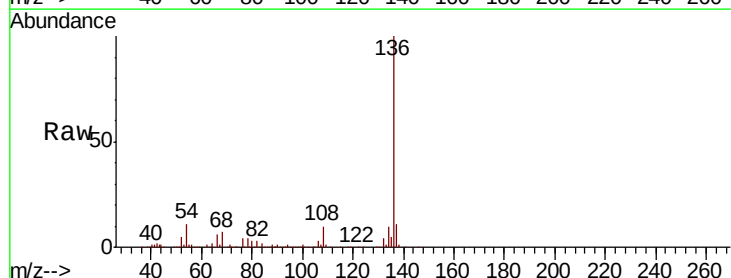
Ion Ratio Lower Upper

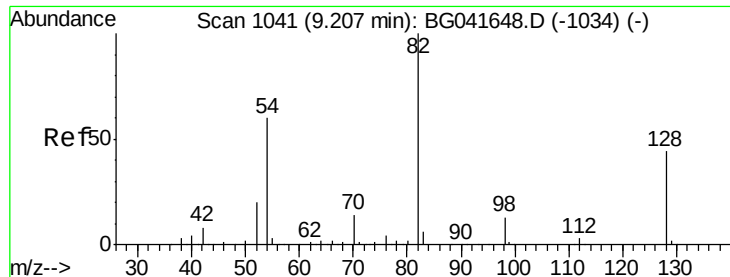
136 100

137 11.2 9.2 13.8

54 10.6 8.7 13.1

68 6.8 5.5 8.3

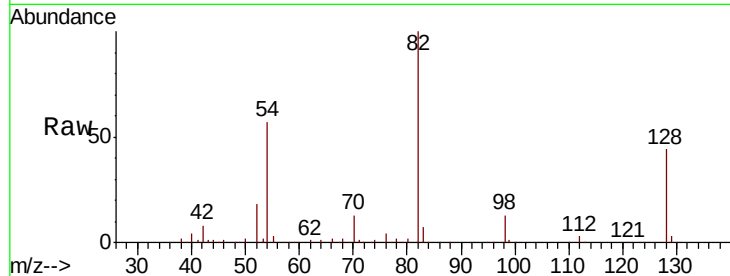




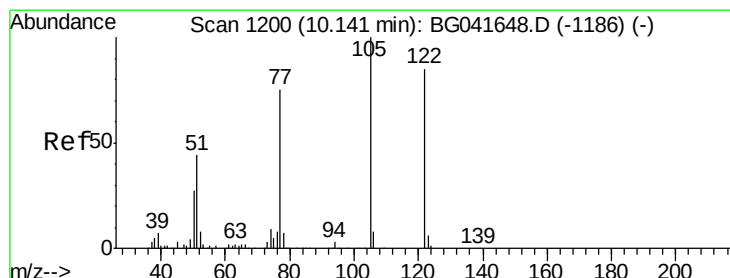
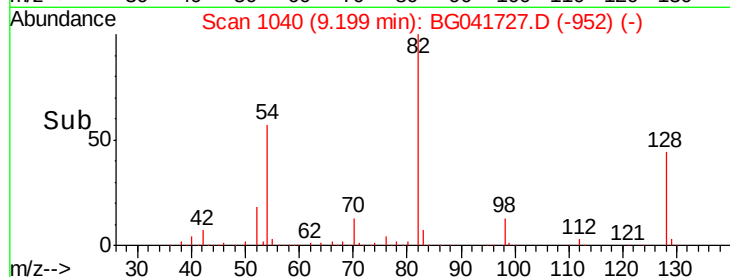
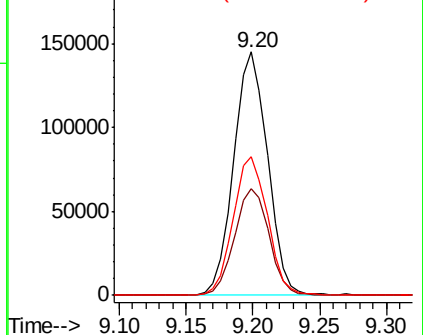
#23
Nitrobenzene-d5
Concen: 32.557 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	255586
Ion Ratio	100	Lower	Upper
128	43.9	35.1	52.7
54	56.9	48.7	73.1

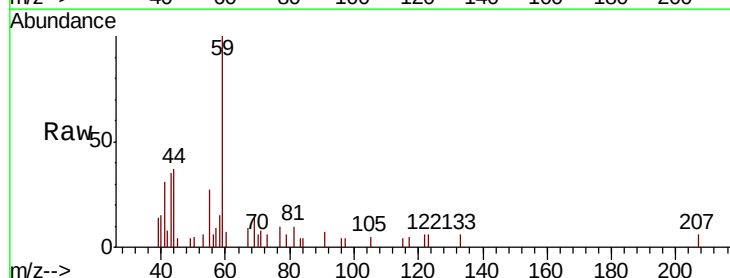


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

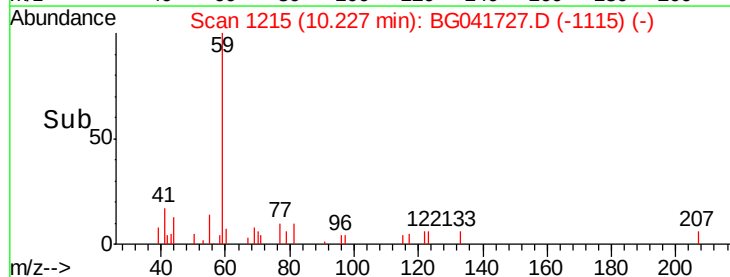
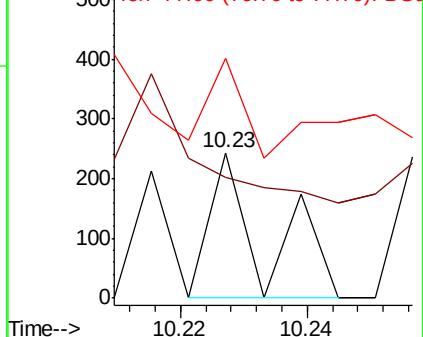


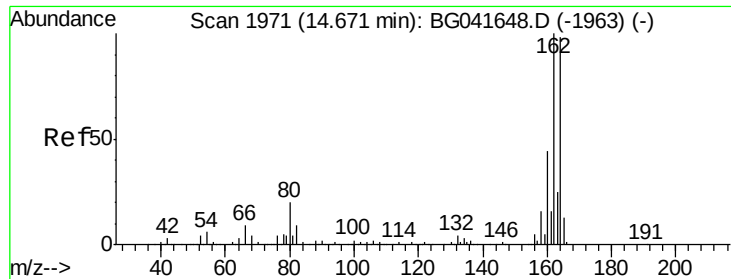
#32
Benzoic acid
Concen: 6.037 ng
RT: 10.23 min Scan# 1215
Delta R.T. 0.06 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

Tgt Ion	122	Resp	147
Ion Ratio	100	Lower	Upper
105	82.8	101.5	141.5#
77	164.3	73.0	113.0#



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

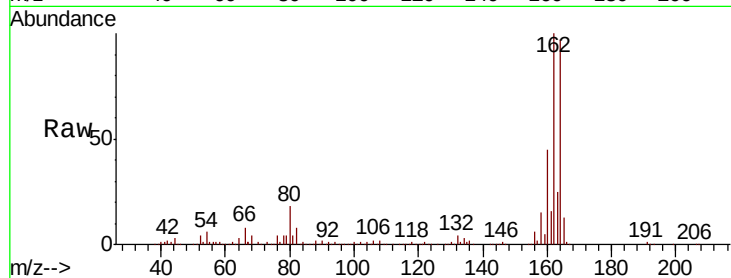




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	79.6	119.4
160	46.4	35.4	53.0

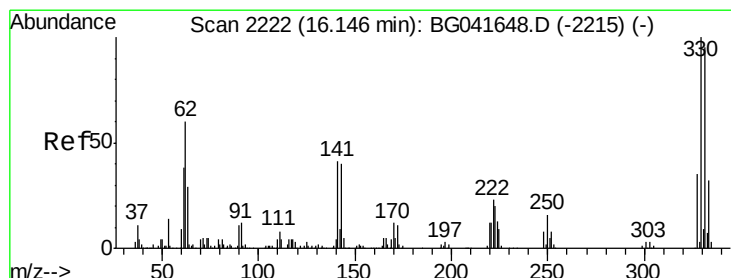
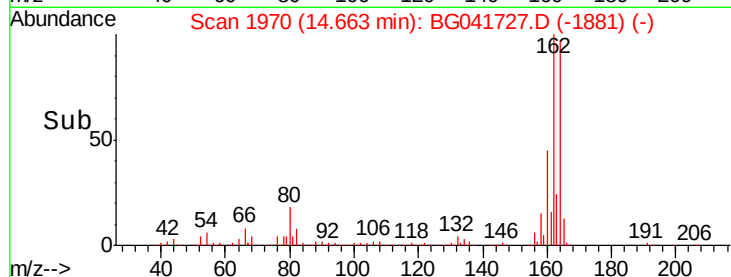
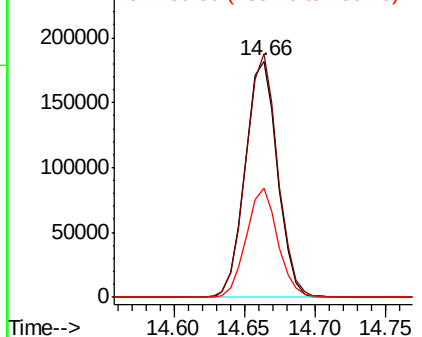


Abundance

Ion 164.00 (163.70 to 164.70): E

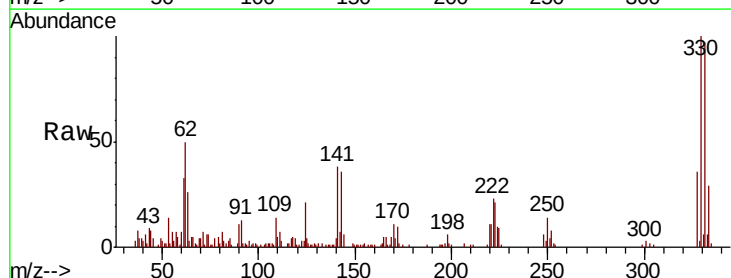
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 11.059 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	38.5	31.9	47.9

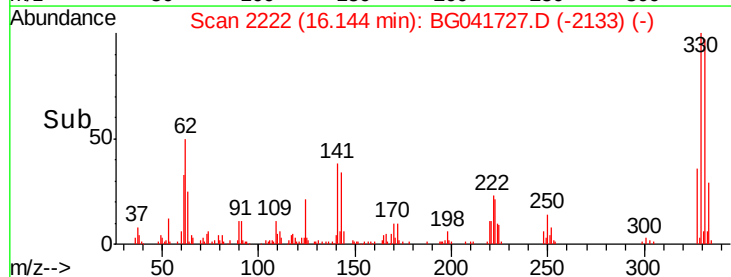
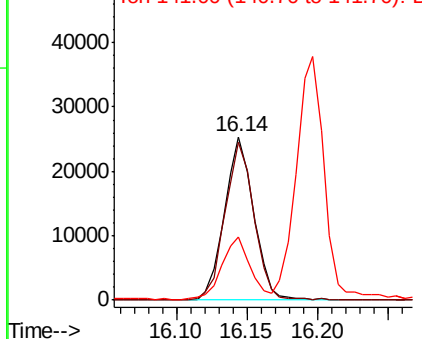


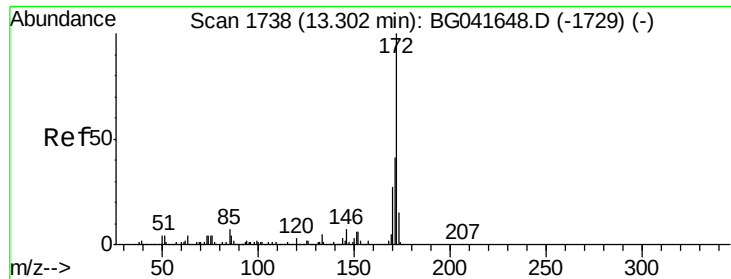
Abundance

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

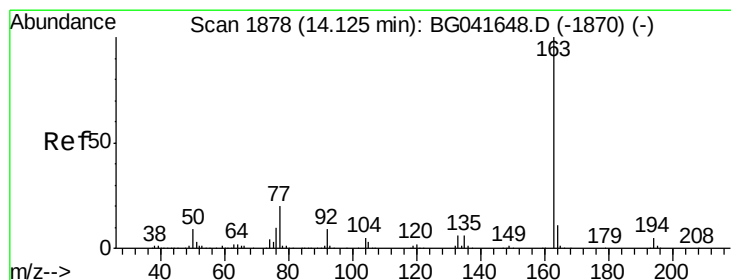
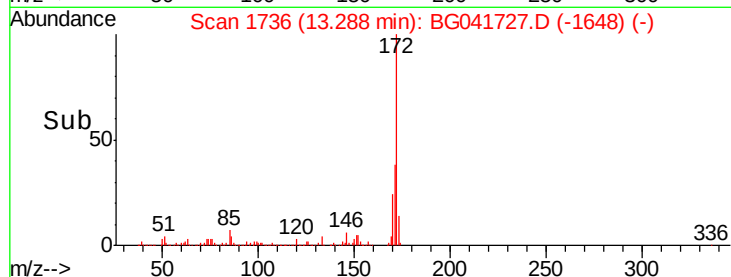
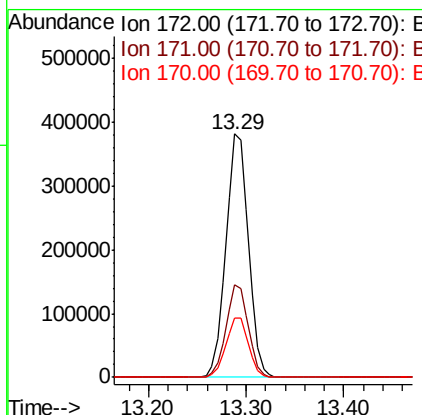
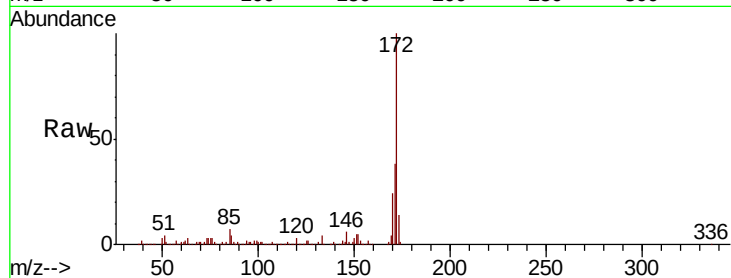




#45
2-Fluorobiphenyl
Concen: 32.432 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.01 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

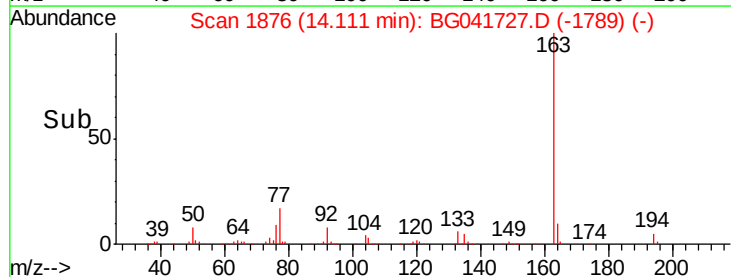
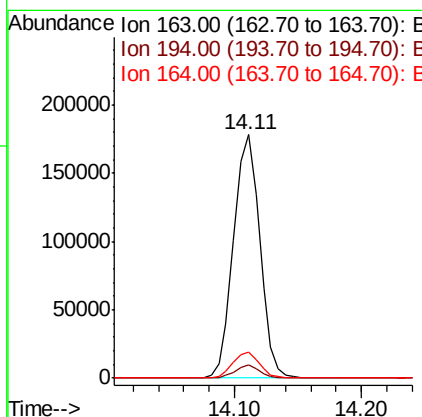
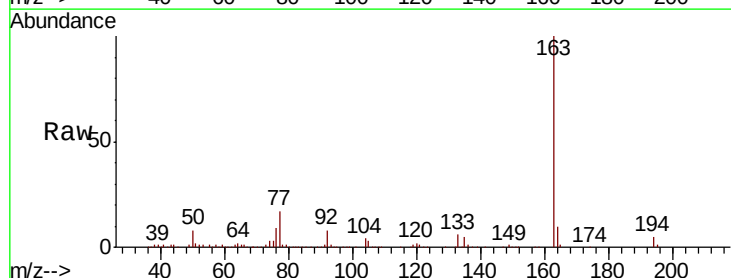
Instrument :
BNA_G
ClientSampled :

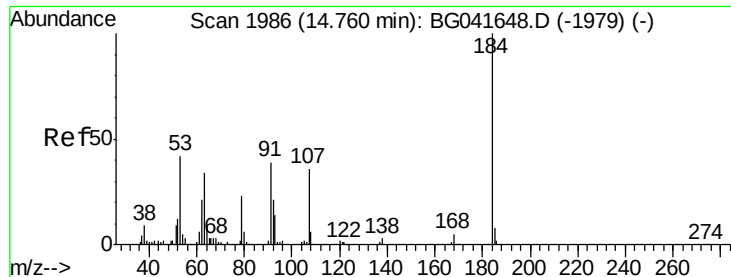
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	35.0	52.4
170	24.4	23.5	35.3



#50
Dimethylphthalate
Concen: 11.180 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	4.2	6.2
164	10.4	9.4	14.2

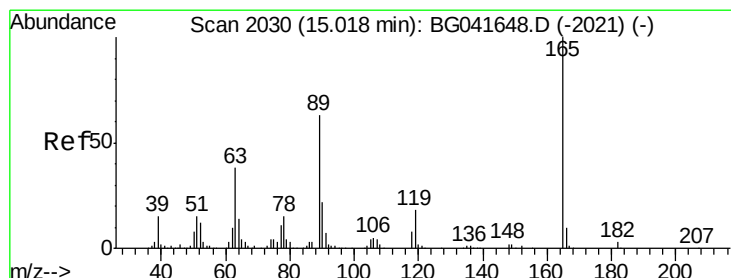
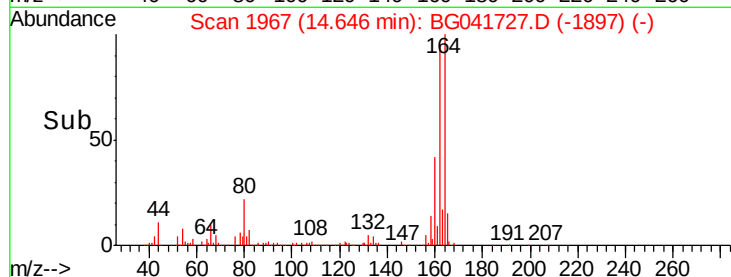
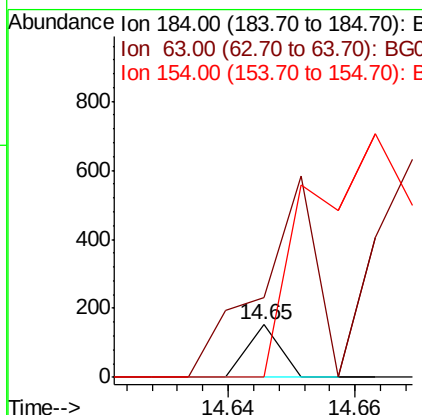
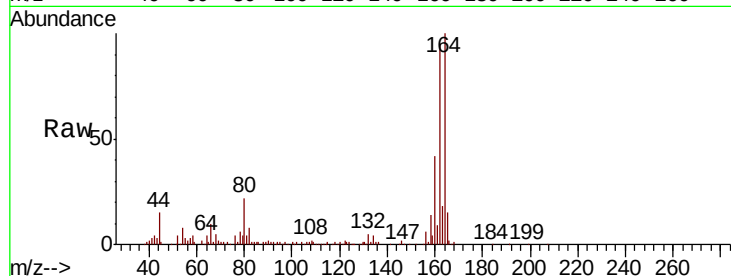




#54
2,4-Dinitrophenol
Concen: 7.749 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.12 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

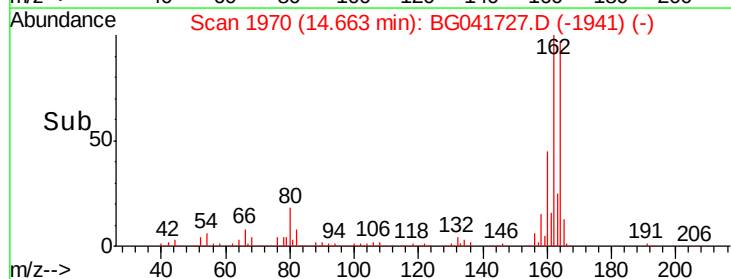
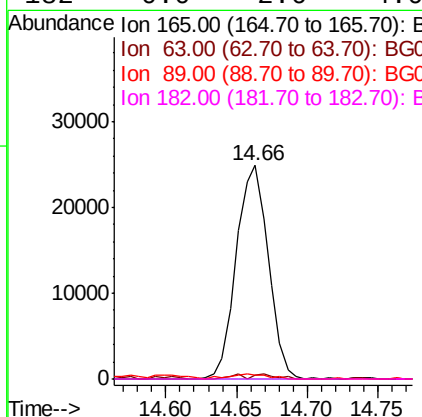
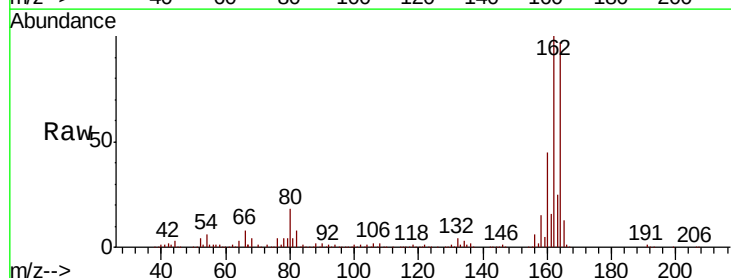
Instrument :
BNA_G
ClientSampleId :

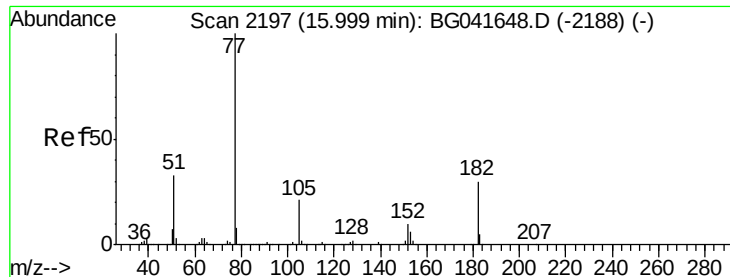
Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 151.0 43.2 64.8#
154 0.0 51.4 77.2#



#57
2,4-Dinitrotoluene
Concen: 6.135 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG041727.D
Acq: 19 Jul 2019 9:55

Tgt Ion:165 Resp: 39446
Ion Ratio Lower Upper
165 100
63 1.6 31.7 47.5#
89 1.8 50.2 75.4#
182 0.0 2.6 4.0#





#63

Azobenzene

Concen: 4.163 ng

RT: 16.20 min Scan# 2231

Delta R.T. 0.19 min

Lab File: BG041727.D

Acq: 19 Jul 2019 9:55

Instrument :

BNA_G

ClientSampled :

Tot Ion: 77 Resp: 86932

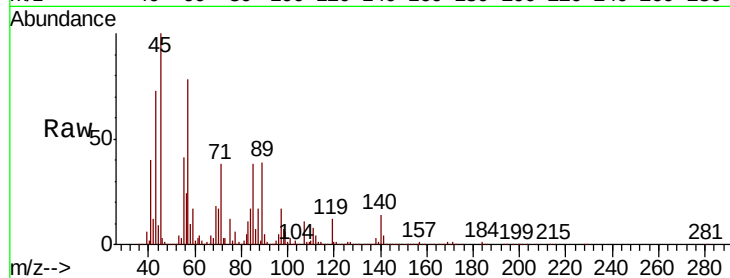
Ion Ratio Lower Upper

77 100

182 0.0 13.2 53.2#

105 3.2 2.2 42.2

51 6.4 14.6 54.6#

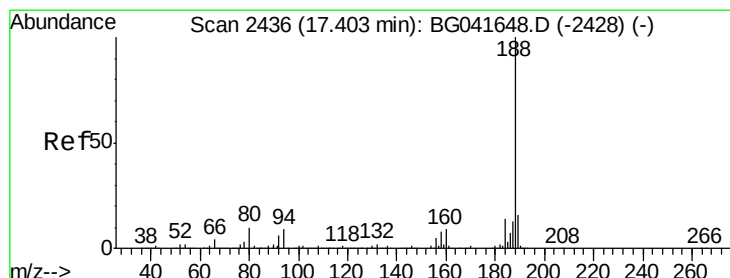
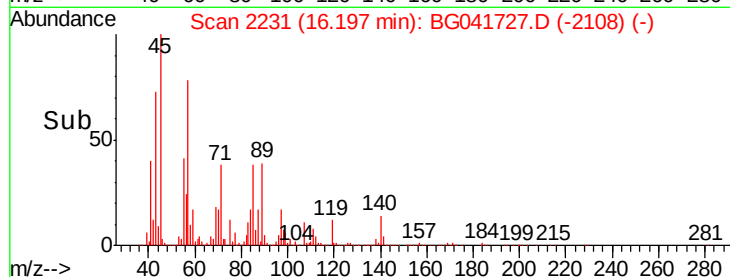
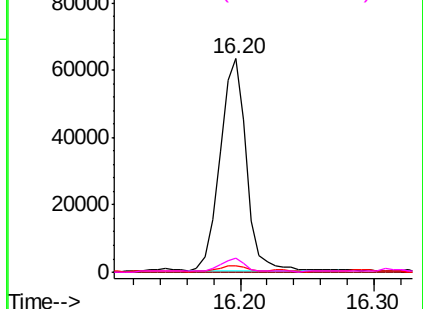


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG041727.D

Acq: 19 Jul 2019 9:55

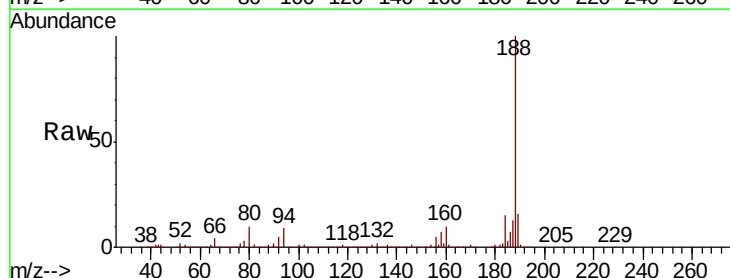
Tgt Ion: 188 Resp: 702131

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

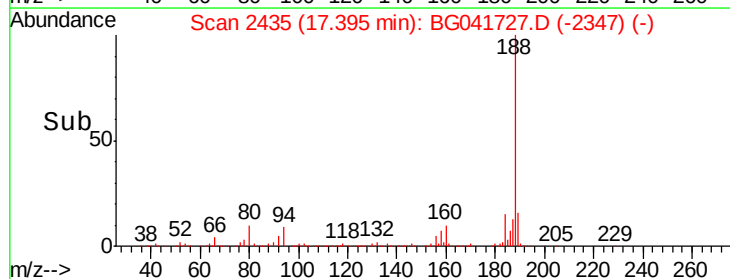
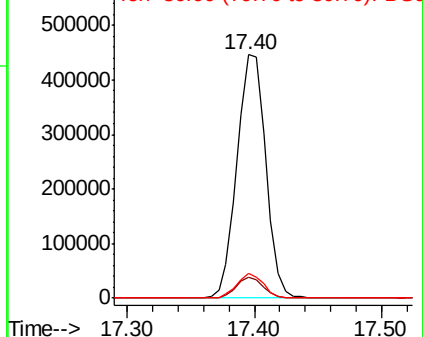
80 10.2 8.0 12.0

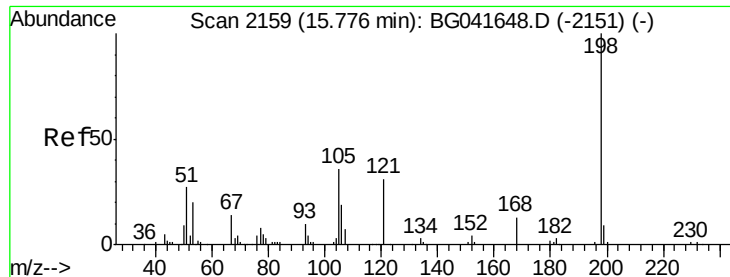


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

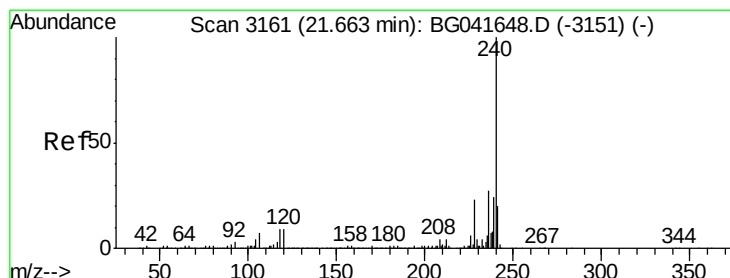
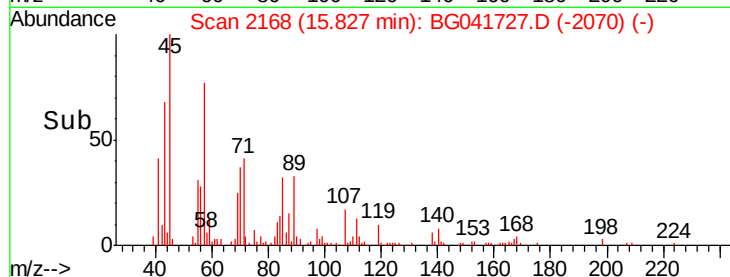
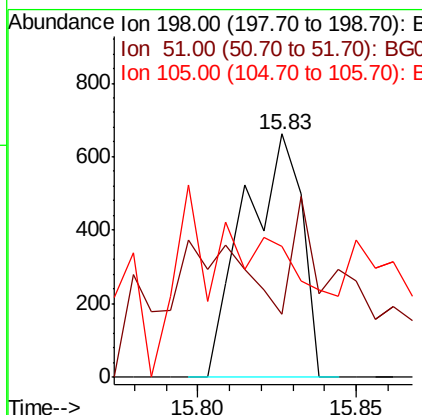
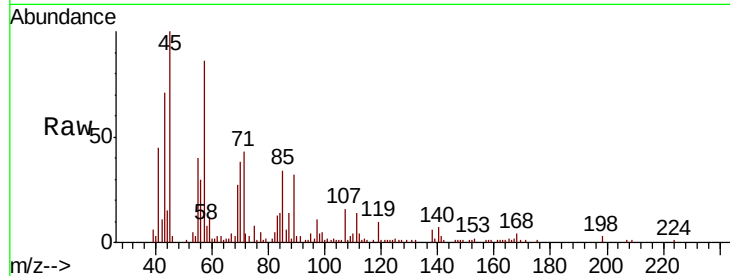




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.887 ng
 RT: 15.83 min Scan# 2168
 Delta R.T. 0.05 min
 Lab File: BG041727.D
 Acq: 19 Jul 2019 9:55

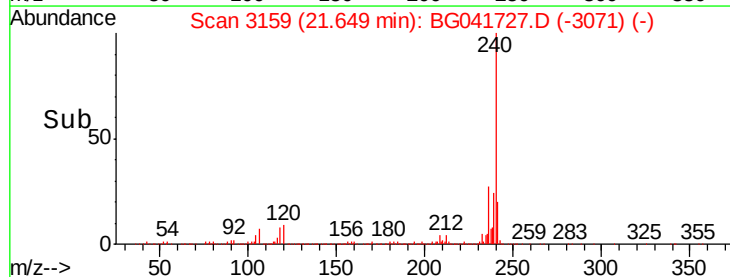
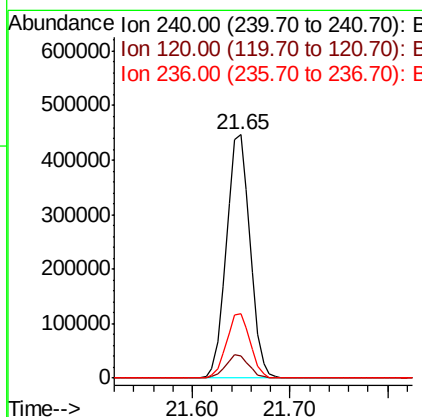
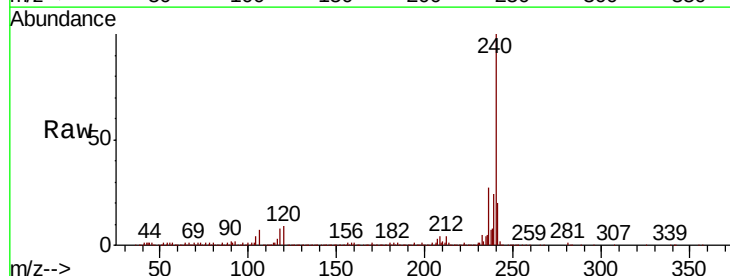
Instrument :
 BNA_G
 ClientSampled :

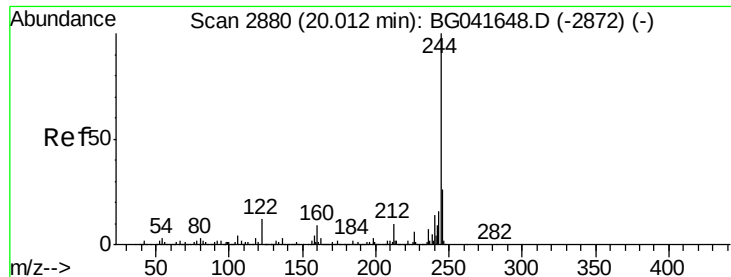
Tot Ion:198 Resp: 824
 Ion Ratio Lower Upper
 198 100
 51 25.8 22.3 62.3
 105 53.9 18.0 58.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041727.D
 Acq: 19 Jul 2019 9:55

Tgt Ion:240 Resp: 750273
 Ion Ratio Lower Upper
 240 100
 120 9.1 8.0 12.0
 236 26.6 22.6 33.8





#79

Terphenyl-d14

Concen: 31.903 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG041727.D

Acq: 19 Jul 2019 9:55

Instrument :

BNA_G

ClientSampleId :

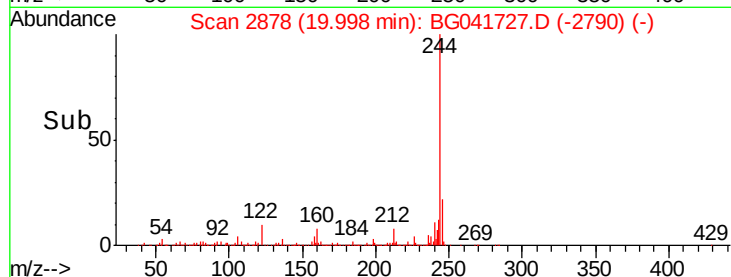
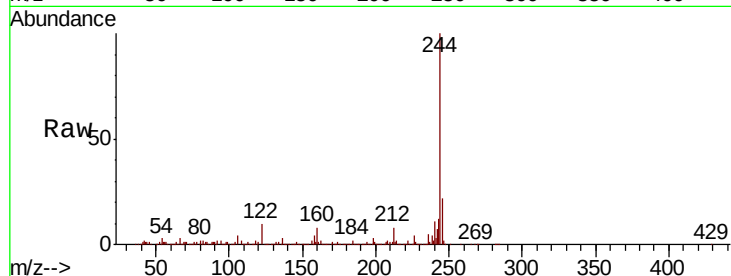
Tot Ion:244 Resp: 1024279

Ion Ratio Lower Upper

244 100

212 8.1 9.7 14.5#

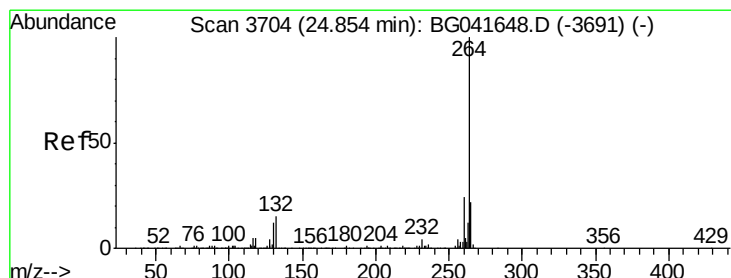
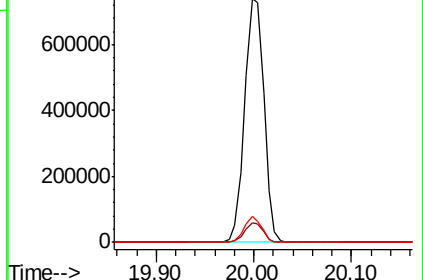
122 10.4 12.5 18.7#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.84 min Scan# 3702

Delta R.T. -0.02 min

Lab File: BG041727.D

Acq: 19 Jul 2019 9:55

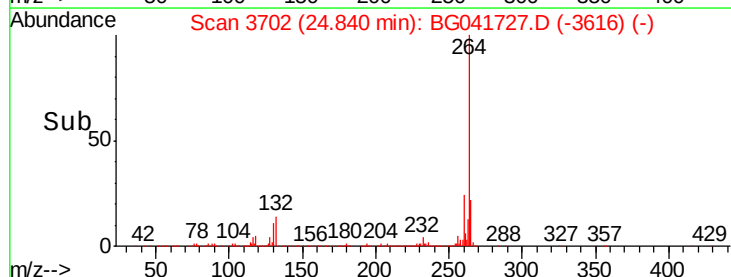
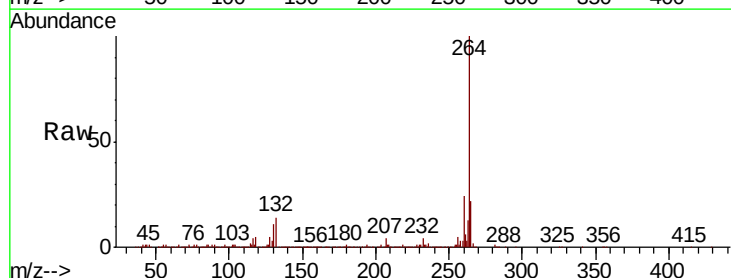
Tgt Ion:264 Resp: 889662

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.2 18.0 27.0



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

