

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071919\
 Data File : BG041726.D
 Acq On : 19 Jul 2019 9:16
 Operator : HP/JU
 Sample : K3905-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 11:04:55 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	123672	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	478757	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	285265	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	696613	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	737869	20.00	ng	-0.02
87) Perylene-d12	24.84	264	867818	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	301696	39.88	ng	0.00
7) Phenol-d6	7.20	99	266057	26.15	ng	0.00
23) Nitrobenzene-d5	9.20	82	693823	88.13	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	291299	90.61	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	1562072	84.79	ng	0.00
79) Terphenyl-d14	20.00	244	2294118	72.66	ng	0.00

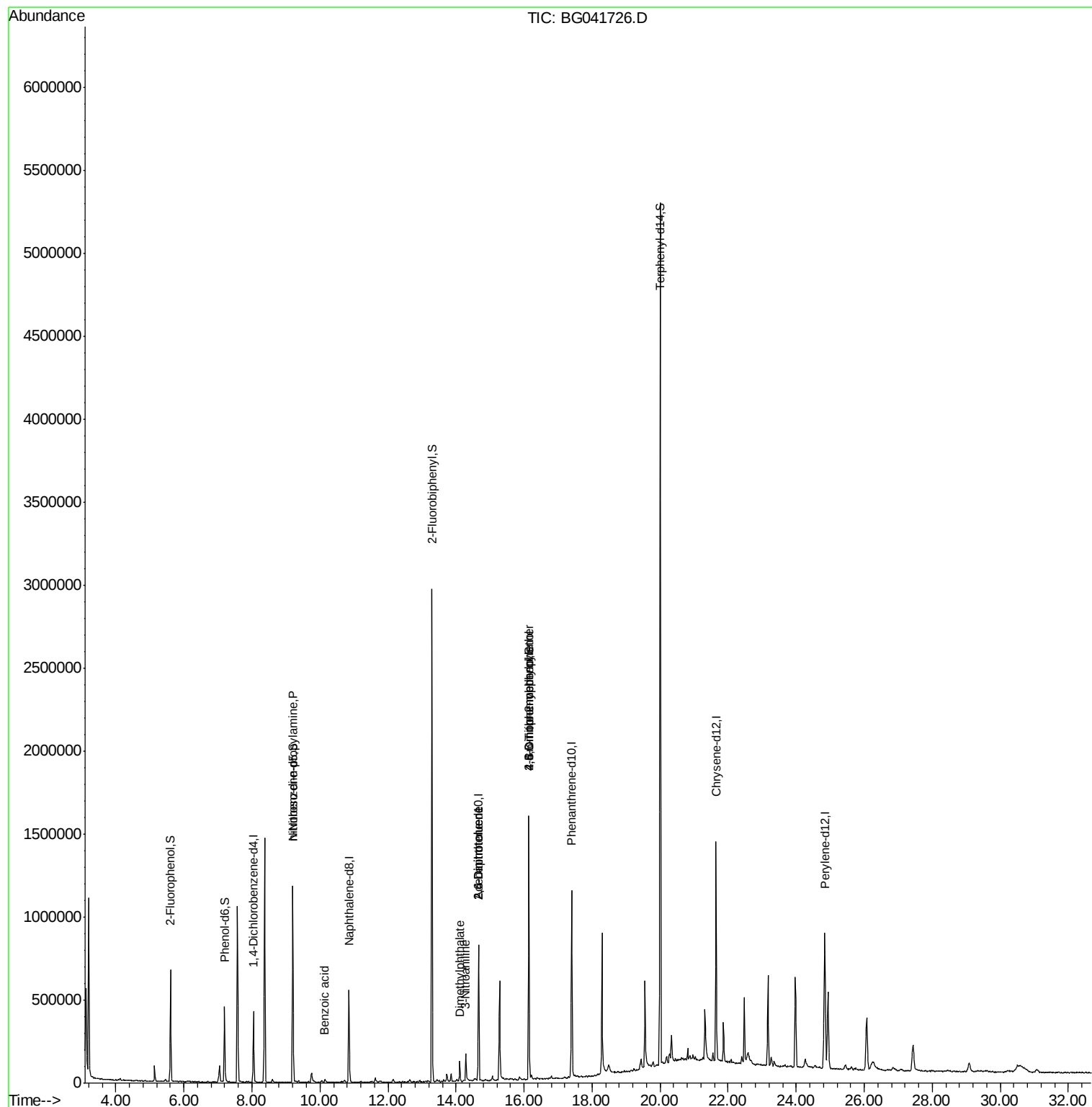
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	340	Below Cal		# 62
19) n-Nitroso-di-n-propylamine	9.20	70	93228	12.535	ng	# 71
32) Benzoic acid	10.13	122	177	6.042	ng	# 25
50) Dimethylphthalate	14.11	163	85324	3.808	ng	# 97
51) 2,6-Dinitrotoluene	14.66	165	37865	7.968	ng	# 27
53) 3-Nitroaniline	14.29	138	20045	3.864	ng	# 1
57) 2,4-Dinitrotoluene	14.66	165	37865	6.028	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.14	198	1050	6.947	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	22766	2.747	ng	# 1
77) Benzidine	20.00	184	42699	Below Cal		# 91

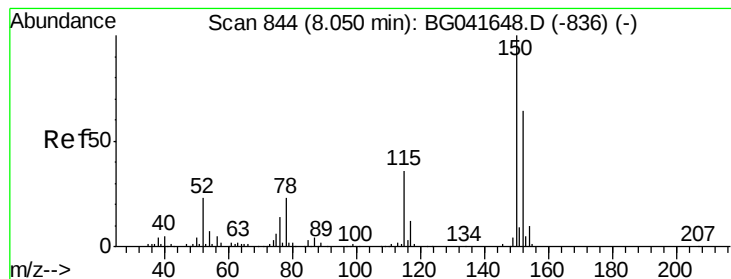
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071919\
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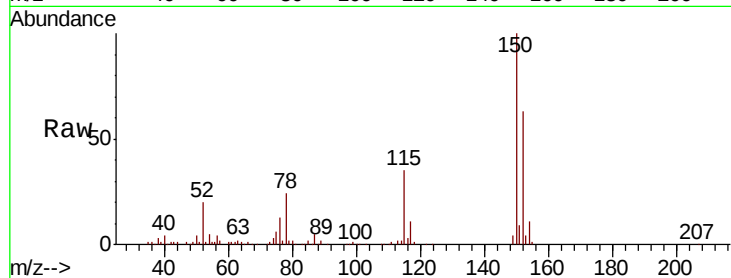


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041726.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.9	190.3
115	55.8	45.0	67.6

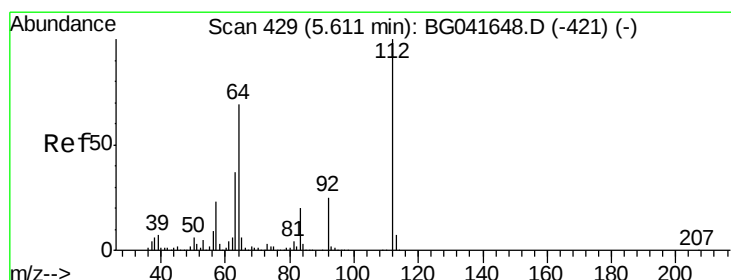
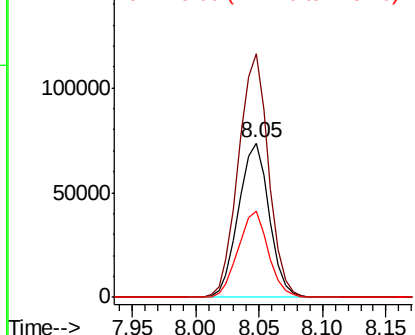
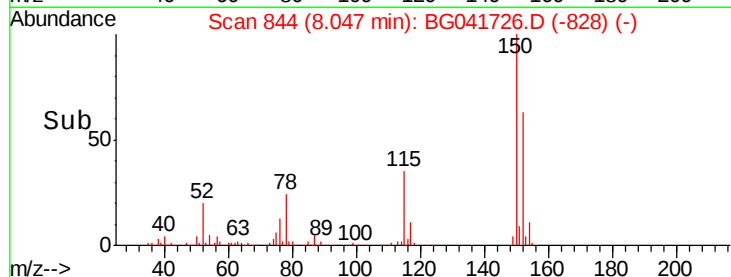


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

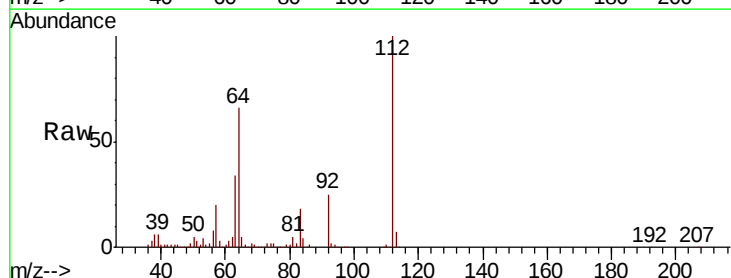
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.879 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041726.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	55.4	83.2
63	34.3	29.1	43.7

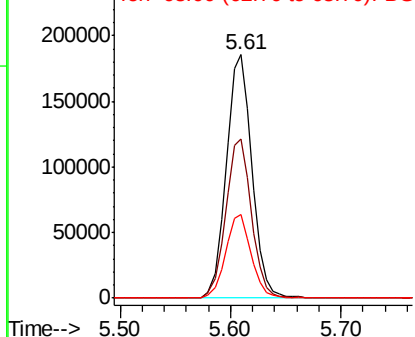
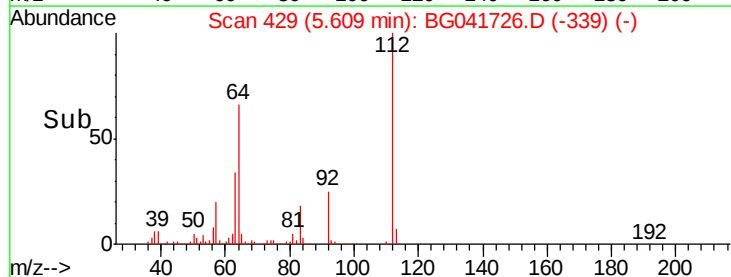


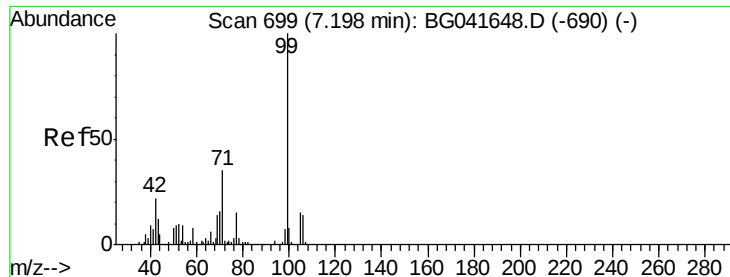
Abundance

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: 26.147 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041726.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_G

ClientSampleId :

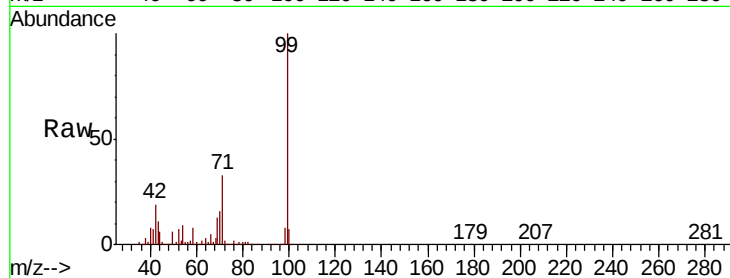
Tot Ion: 99 Resp: 266057

Ion Ratio Lower Upper

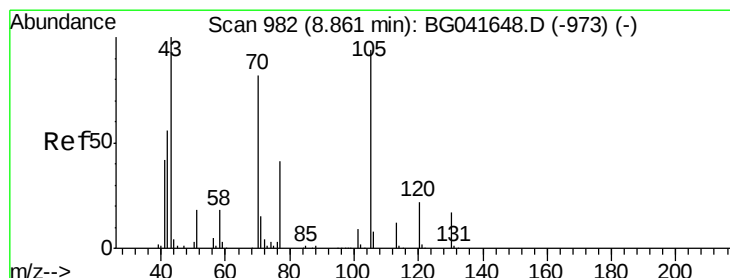
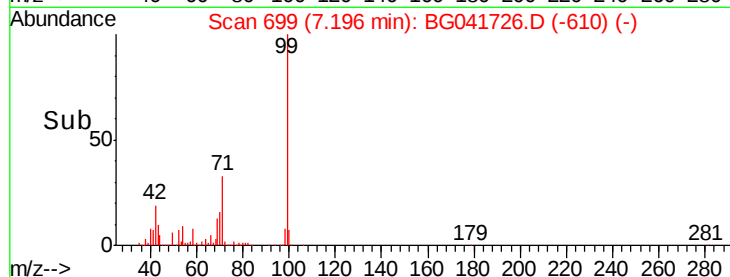
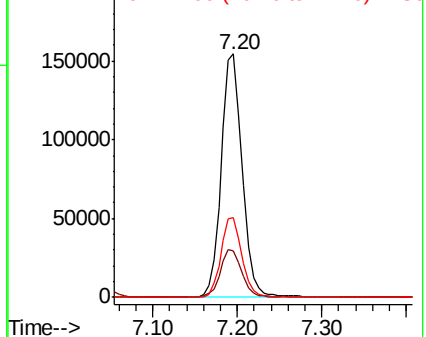
99 100

42 19.2 17.6 26.4

71 32.7 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: 12.535 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.33 min

Lab File: BG041726.D

Acq: 19 Jul 2019 9:16

Tgt Ion: 70 Resp: 93228

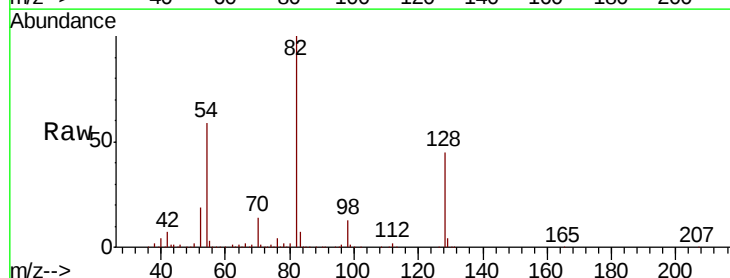
Ion Ratio Lower Upper

70 100

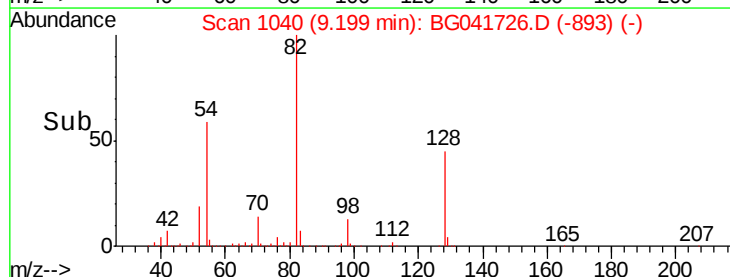
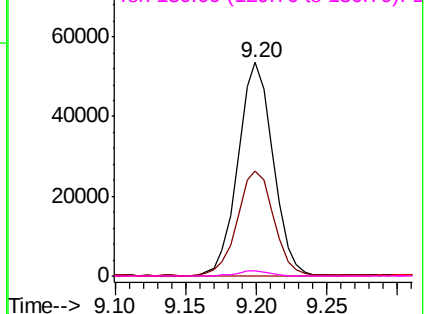
42 49.1 55.8 83.6#

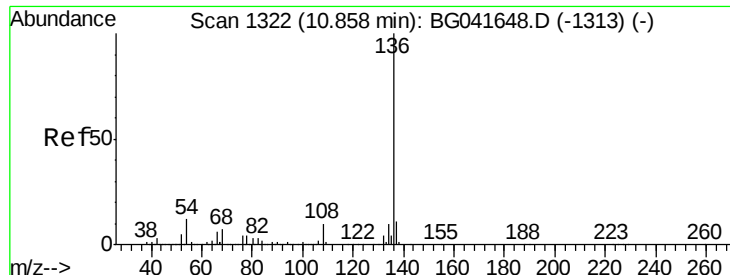
101 0.0 8.1 12.1#

130 2.1 17.3 25.9#



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

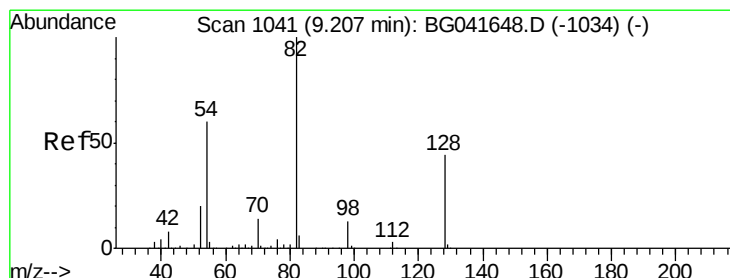
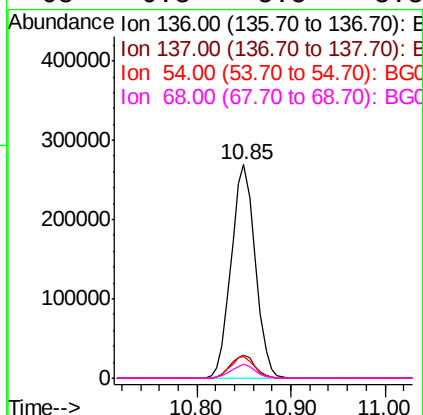
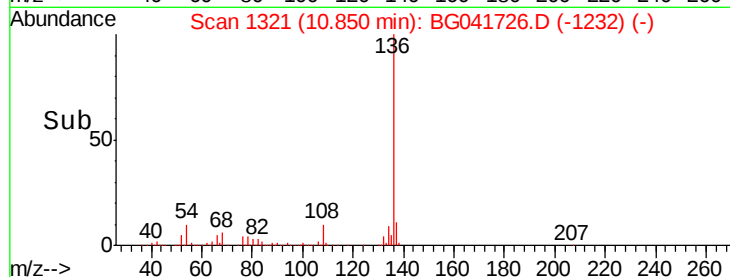
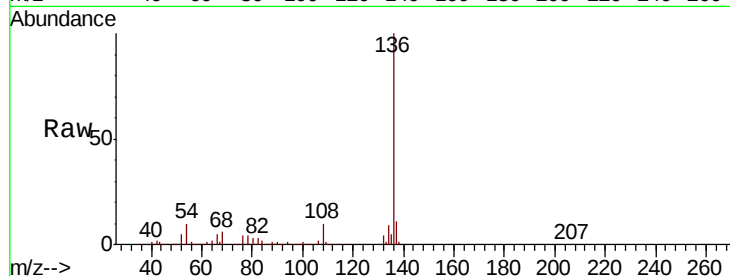




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041726.D
Acq: 19 Jul 2019 9:16

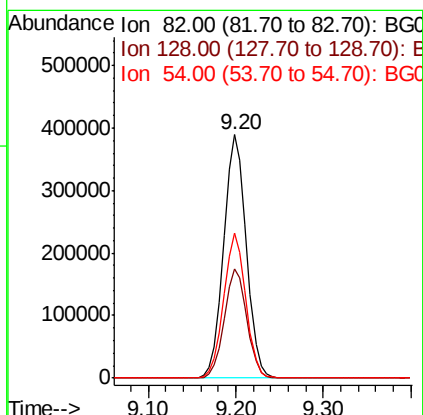
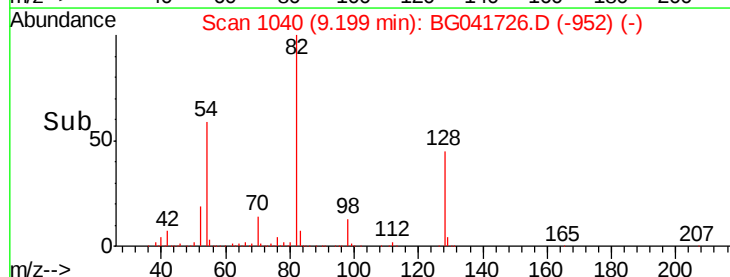
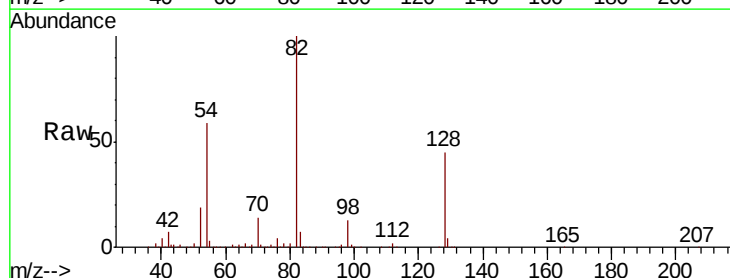
Instrument :
BNA_G
ClientSampleId :

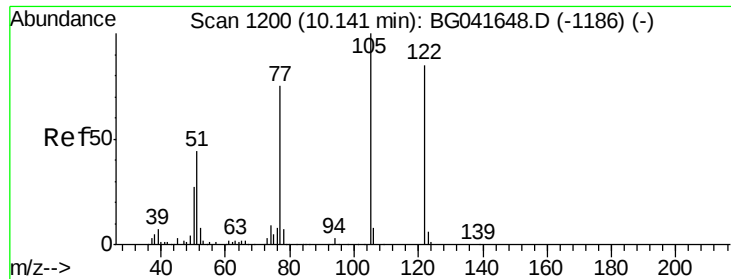
Tot Ion:136	Resp: 478757
Ion Ratio	Lower Upper
136 100	
137 11.1	9.2 13.8
54 10.5	8.7 13.1
68 6.3	5.5 8.3



#23
Nitrobenzene-d5
Concen: 88.134 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041726.D
Acq: 19 Jul 2019 9:16

Tgt	Ion: 82	Resp:	693823
Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.1	52.7
54	59.4	48.7	73.1

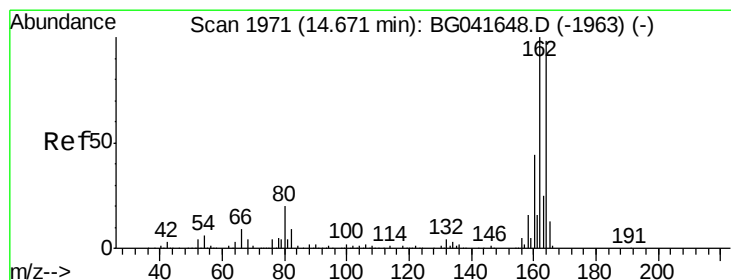
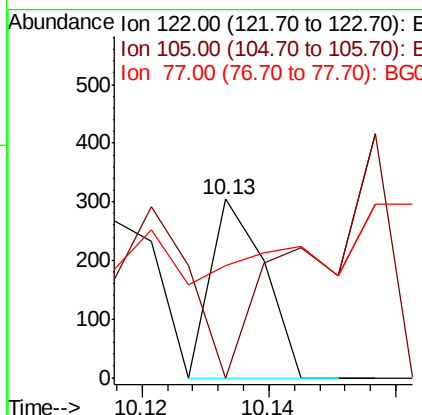
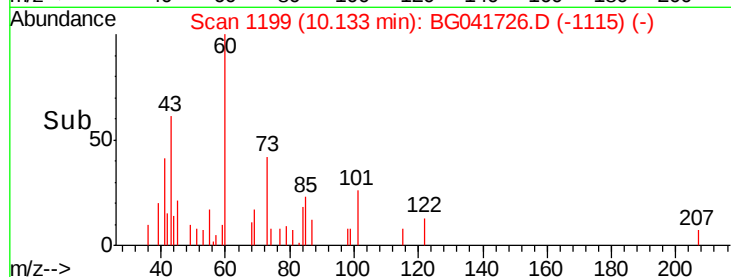
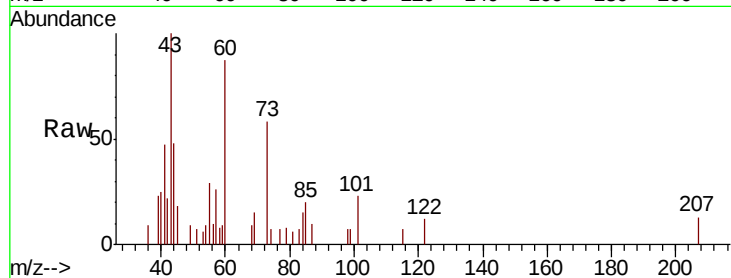




#32
Benzoic acid
Concen: 6.042 ng
RT: 10.13 min Scan# 1199
Delta R.T. -0.04 min
Lab File: BG041726.D
Acq: 19 Jul 2019 9:16

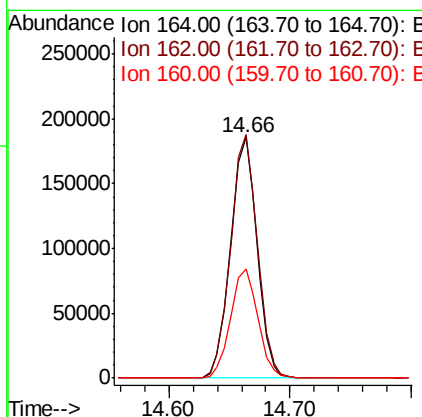
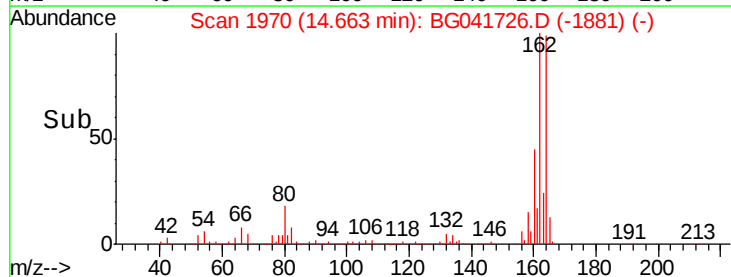
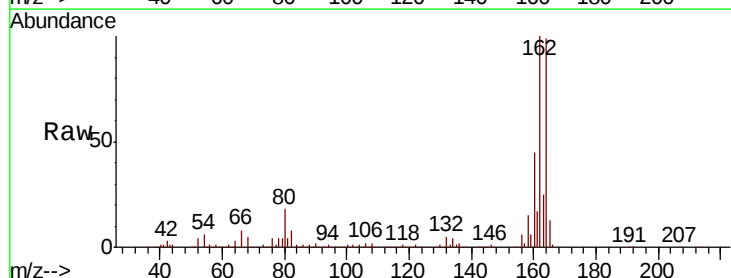
Instrument :
BNA_G
ClientSampled :

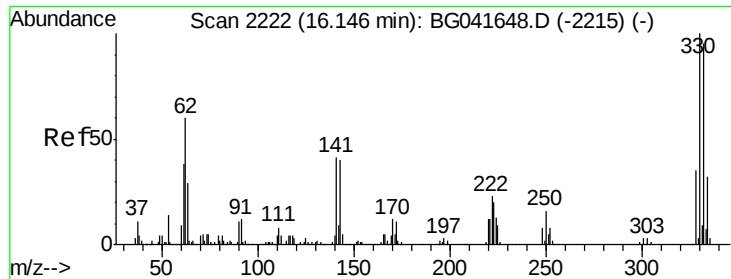
Tot Ion:122 Resp: 177
Ion Ratio Lower Upper
122 100
105 0.0 101.5 141.5#
77 63.2 73.0 113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041726.D
Acq: 19 Jul 2019 9:16

Tgt Ion:164 Resp: 285265
Ion Ratio Lower Upper
164 100
162 101.1 79.6 119.4
160 45.5 35.4 53.0

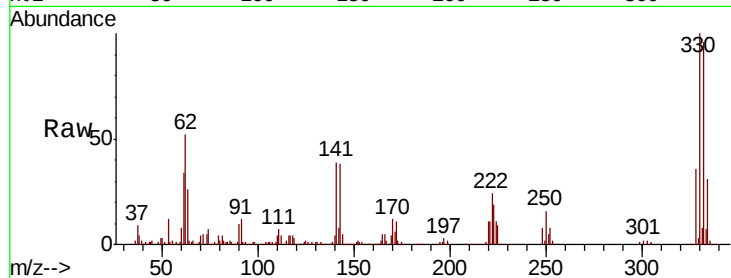




#42
 2,4,6-Tribromophenol
 Concen: 90.609 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG041726.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	330	Resp	Lower	Upper
330	100			
332	96.3	77.4	116.0	
141	37.3	31.9	47.9	

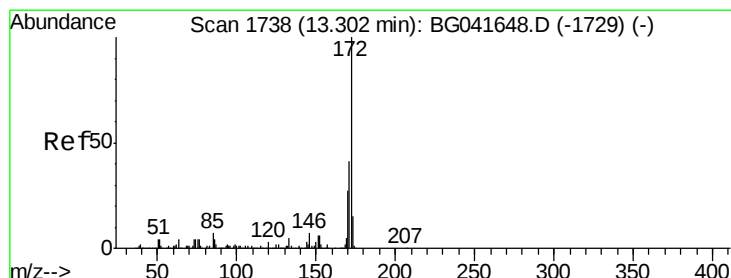
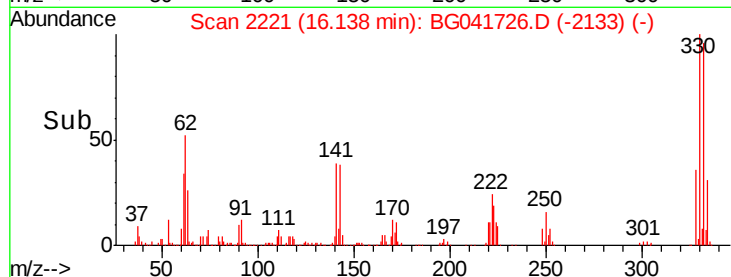
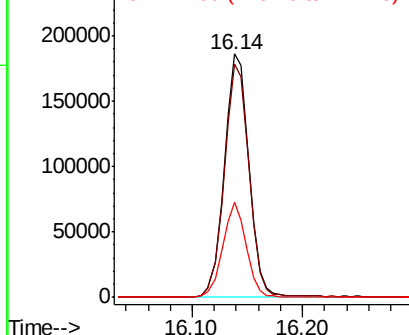


Abundance

Ion 329.80 (329.50 to 330.50): E

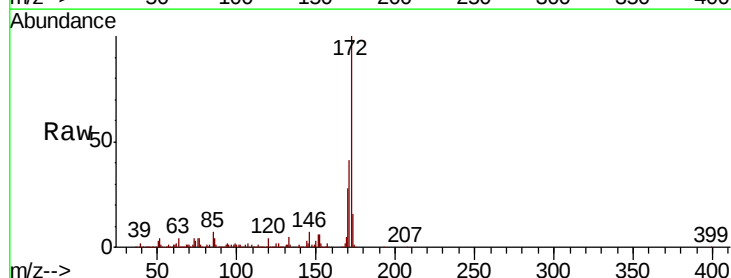
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 84.794 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041726.D
 Acq: 19 Jul 2019 9:16

Tgt Ion	172	Resp	Lower	Upper
172	100			
171	41.0	35.0	52.4	
170	27.8	23.5	35.3	

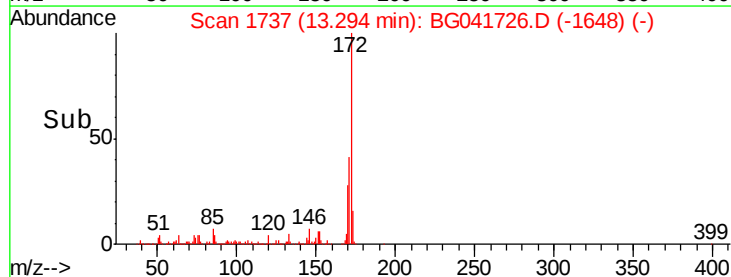
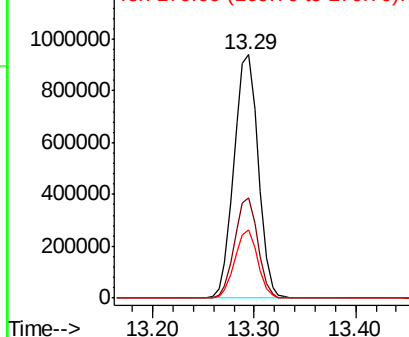


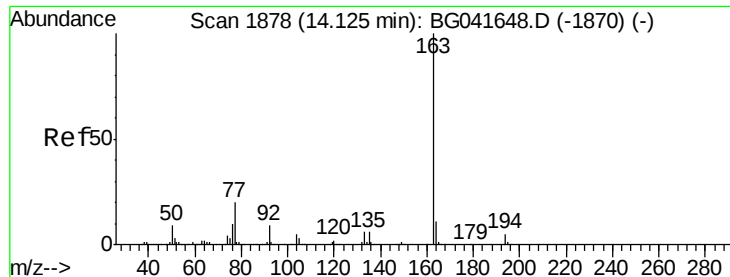
Abundance

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





#50

Dimethylphthalate

Concen: 3.808 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BG041726.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_G

ClientSampleId :

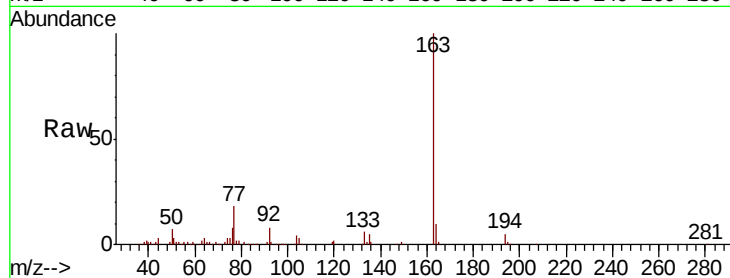
Tot Ion:163 Resp: 85324

Ion Ratio Lower Upper

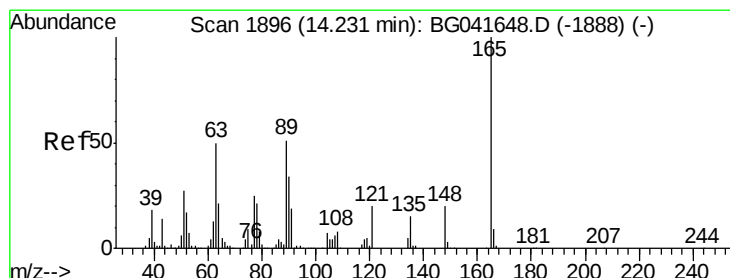
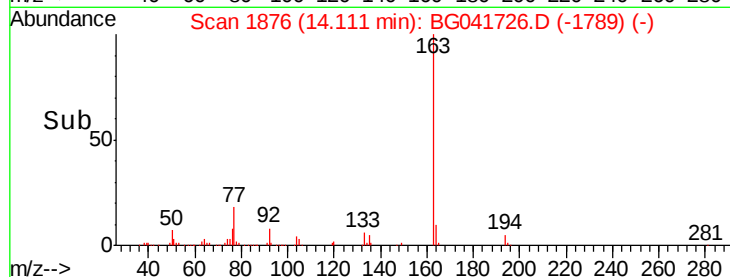
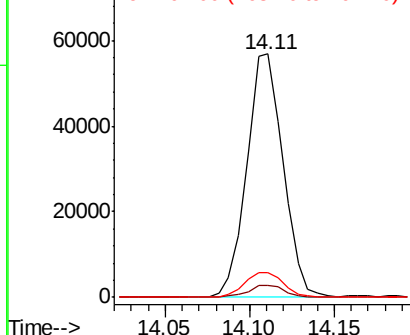
163 100

194 5.0 4.2 6.2

164 10.3 9.4 14.2



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



#51

2,6-Dinitrotoluene

Concen: 7.968 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG041726.D

Acq: 19 Jul 2019 9:16

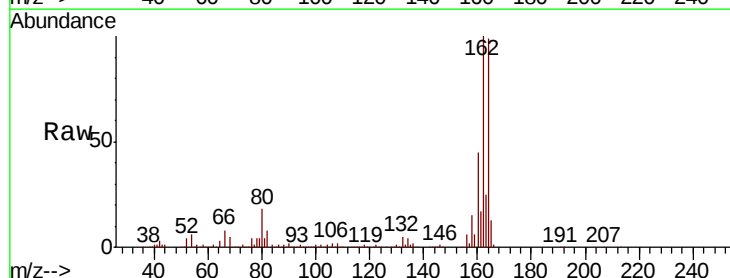
Tgt Ion:165 Resp: 37865

Ion Ratio Lower Upper

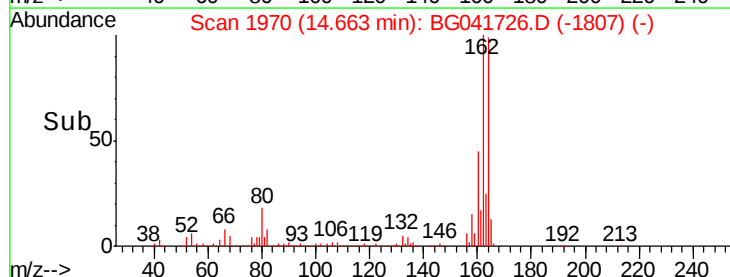
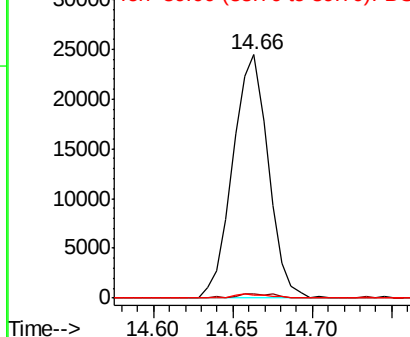
165 100

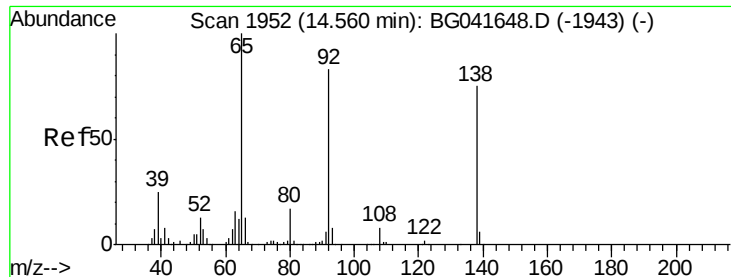
63 1.6 42.4 63.6#

89 1.3 42.1 63.1#



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

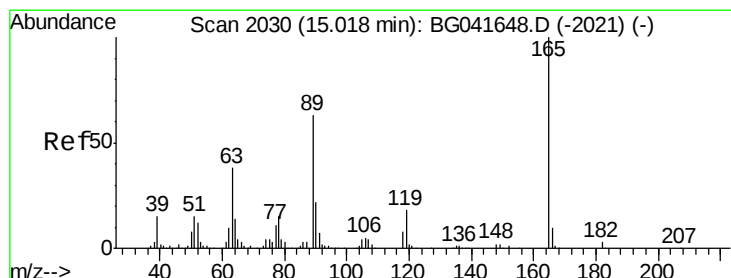
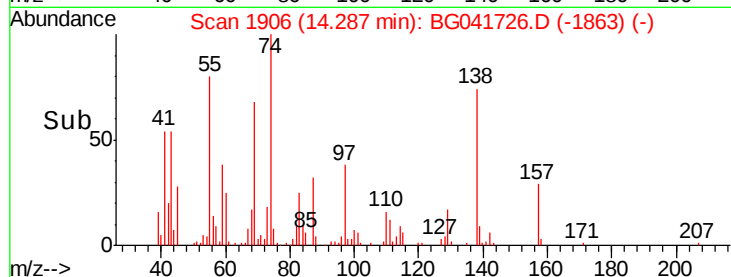
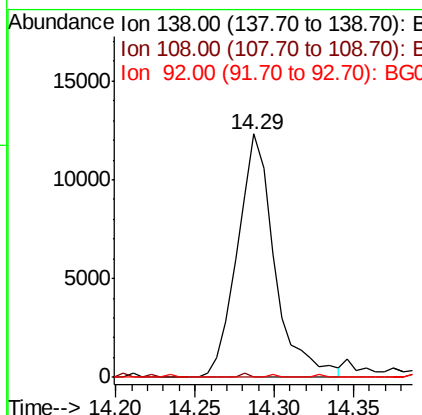
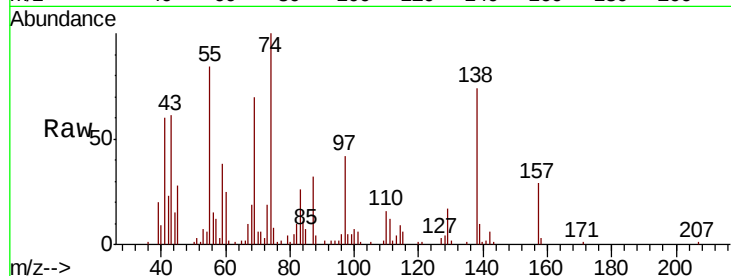




#53
3-Nitroaniline
Concen: 3.864 ng
RT: 14.29 min Scan# 1906
Delta R.T. -0.28 min
Lab File: BG041726.D
Acq: 19 Jul 2019 9:16

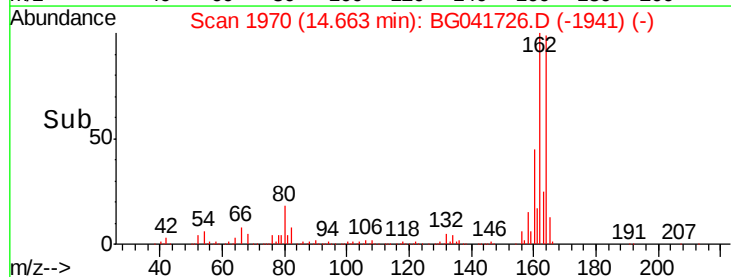
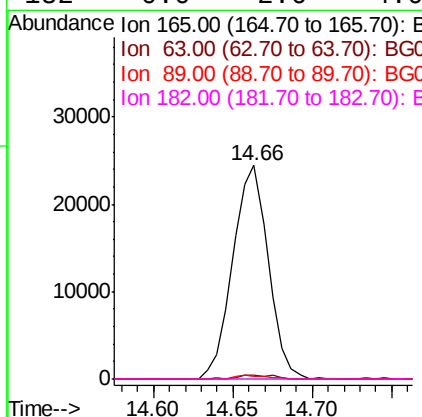
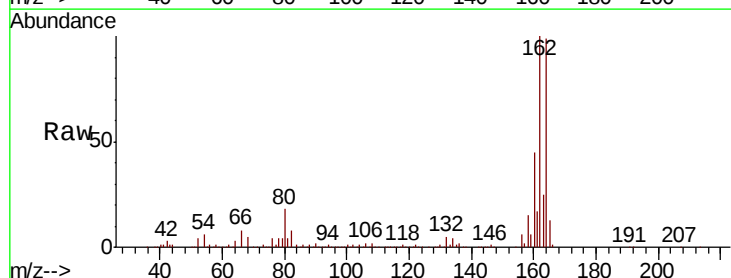
Instrument :
BNA_G
ClientSampleId :

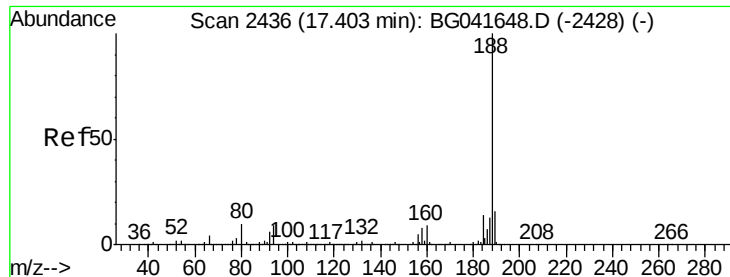
Tot Ion:138 Resp: 20045
Ion Ratio Lower Upper
138 100
108 0.0 10.3 15.5#
92 0.0 93.0 139.4#



#57
2,4-Dinitrotoluene
Concen: 6.028 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG041726.D
Acq: 19 Jul 2019 9:16

Tgt Ion:165 Resp: 37865
Ion Ratio Lower Upper
165 100
63 1.6 31.7 47.5#
89 1.3 50.2 75.4#
182 0.0 2.6 4.0#

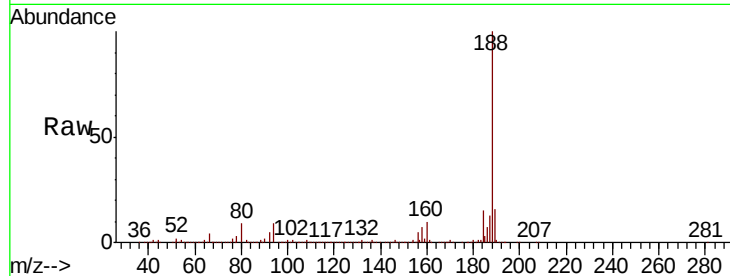




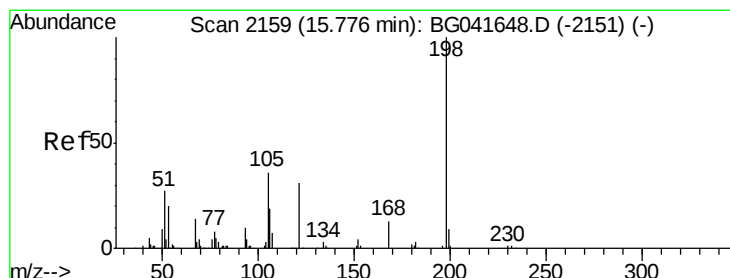
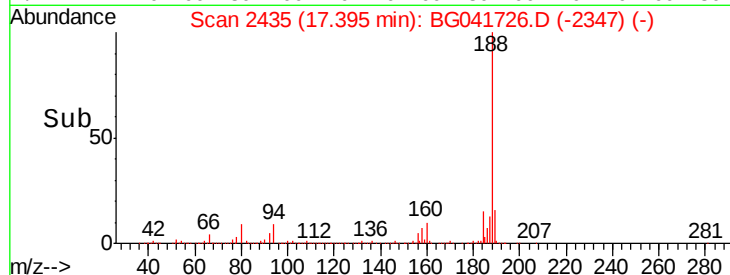
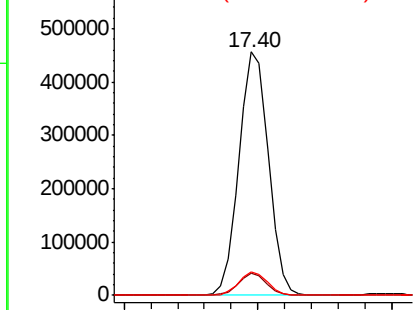
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG041726.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 696613
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.9 10.3
 80 9.5 8.0 12.0

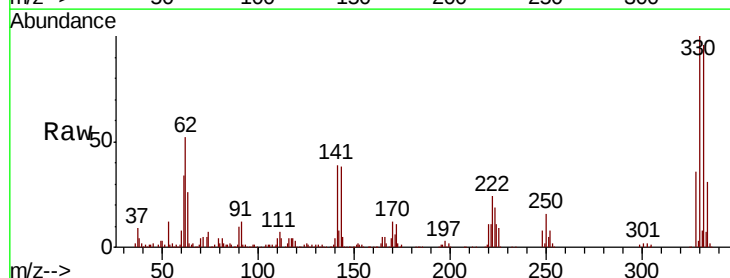


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

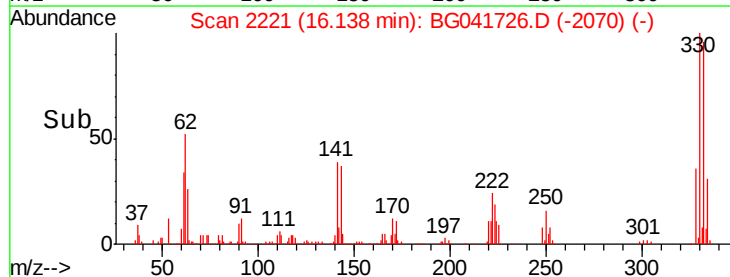
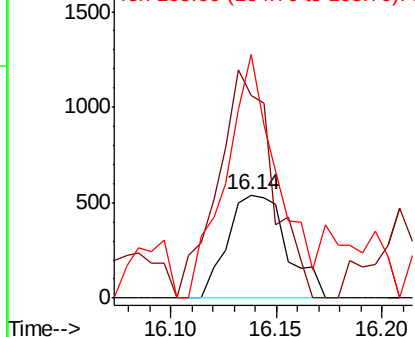


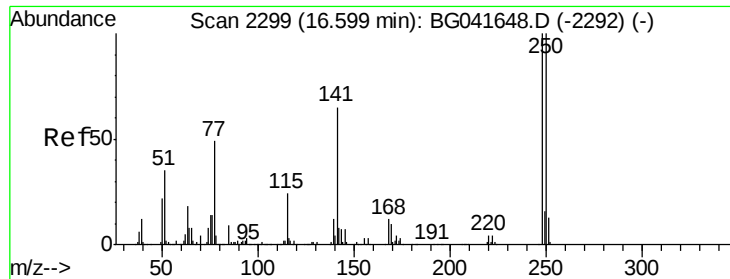
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.947 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.36 min
 Lab File: BG041726.D
 Acq: 19 Jul 2019 9:16

Tgt Ion:198 Resp: 1050
 Ion Ratio Lower Upper
 198 100
 51 196.1 22.3 62.3#
 105 236.1 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

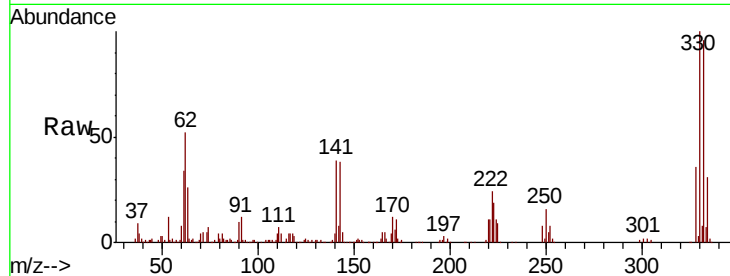




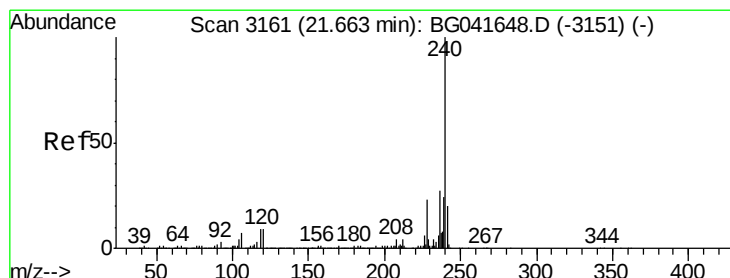
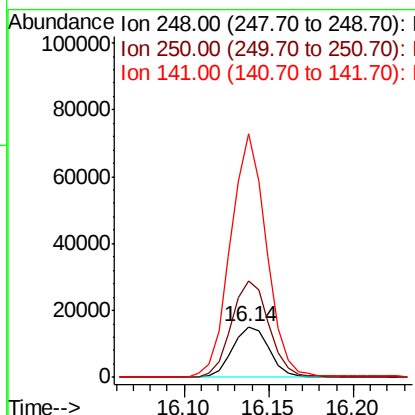
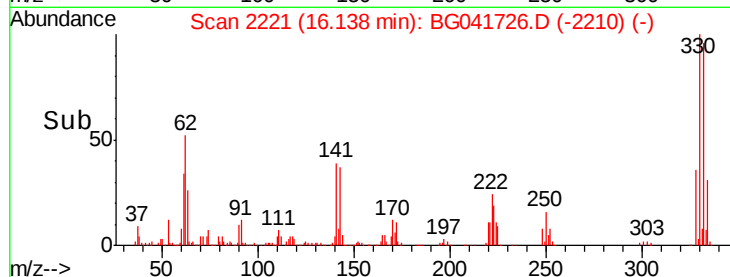
#67
 4-Bromophenyl-phenylether
 Concen: 2.747 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.47 min
 Lab File: BG041726.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 22766
 Ion Ratio Lower Upper
 248 100
 250 191.1 78.1 117.1#
 141 481.9 49.6 74.4#

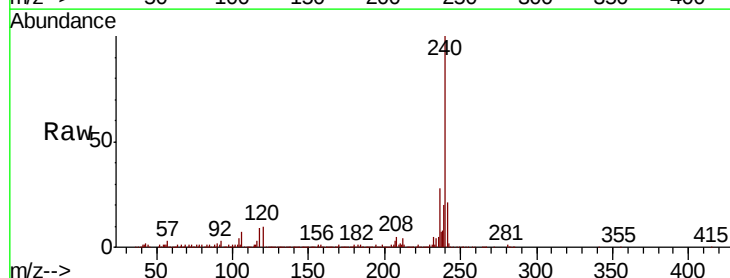


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

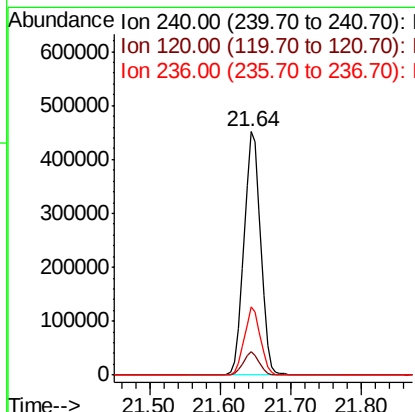
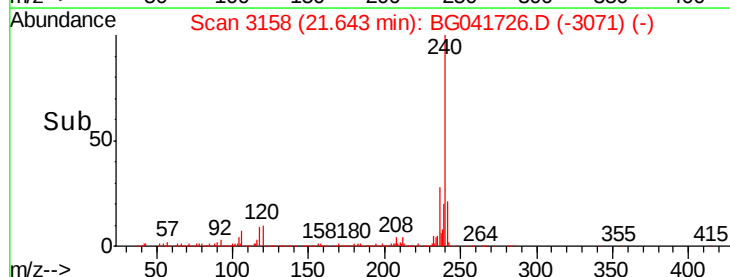


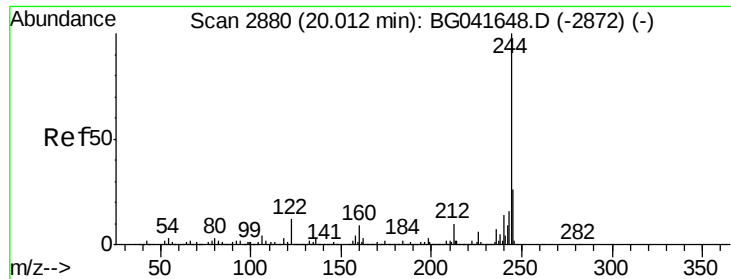
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.02 min
 Lab File: BG041726.D
 Acq: 19 Jul 2019 9:16

Tgt Ion:240 Resp: 737869
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.0 12.0
 236 27.8 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



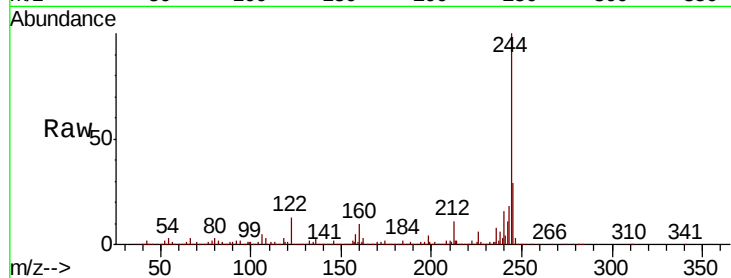


#79
 Terphenyl-d14
 Concen: 72.656 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG041726.D
 Acq: 19 Jul 2019 9:16

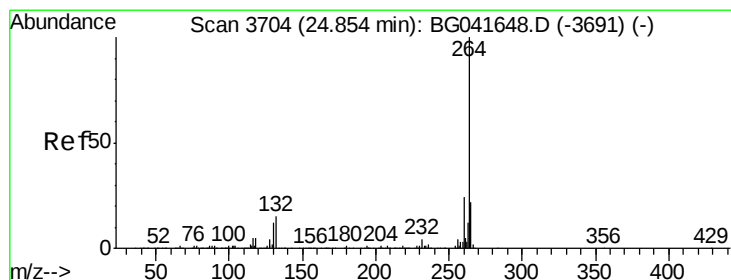
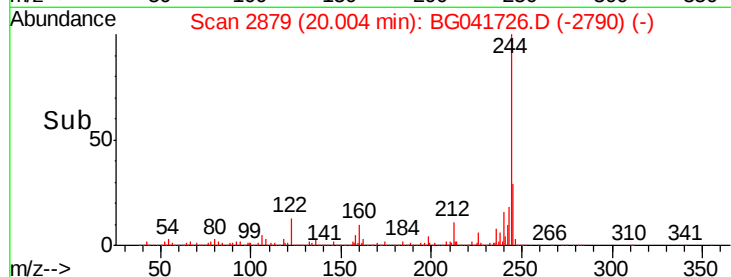
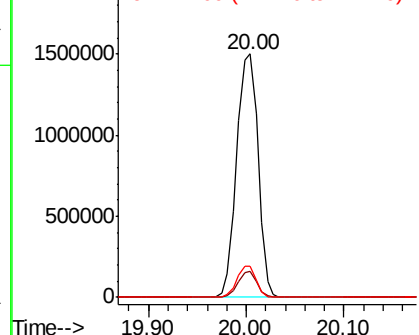
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2294118

Ion	Ratio	Lower	Upper
244	100		
212	10.7	9.7	14.5
122	12.5	12.5	18.7



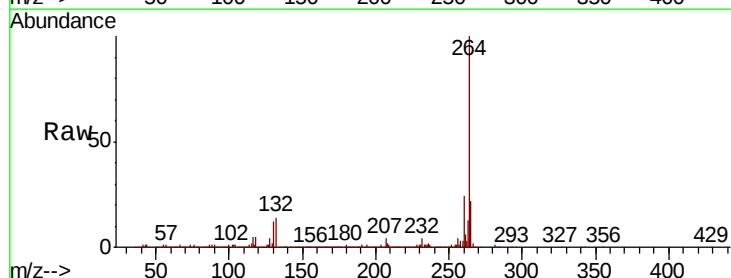
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.84 min Scan# 3702
 Delta R.T. -0.02 min
 Lab File: BG041726.D
 Acq: 19 Jul 2019 9:16

Tgt Ion:264 Resp: 867818

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.0	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

