

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043421.D
 Acq On : 31 Oct 2019 4:29
 Operator : JU
 Sample : K5576-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 08:28:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

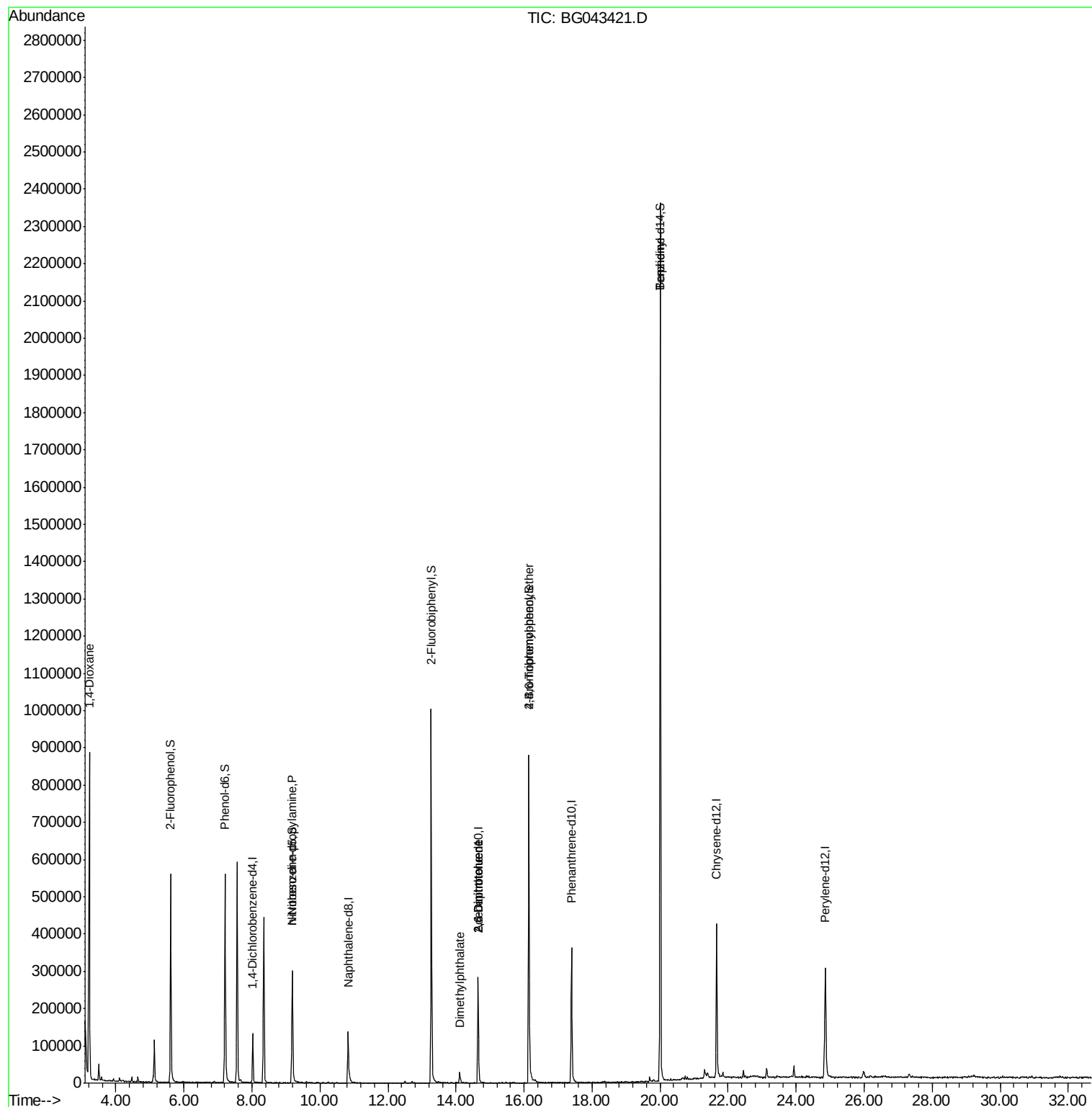
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	41613	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	142888	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	114737	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	263914	20.00	ng	0.00
76) Chrysene-d12	21.66	240	295100	20.00	ng	0.00
87) Perylene-d12	24.86	264	345541	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	254673	112.15	ng	0.00
7) Phenol-d6	7.21	99	355088	108.68	ng	0.00
23) Nitrobenzene-d5	9.19	82	217875	78.61	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	231438	106.00	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	604133	72.76	ng	0.00
79) Terphenyl-d14	20.00	244	1295930	82.39	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.21	88	9120	10.306	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	30820	14.598	ng	# 73
50) Dimethylphthalate	14.11	163	28866	3.248	ng	# 95
51) 2,6-Dinitrotoluene	14.65	165	15216	7.881	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	15216	5.515	ng	# 25
67) 4-Bromophenyl-phenylether	16.14	248	14240	4.009	ng	# 1
77) Benzidine	20.00	184	18537	3.121	ng	# 89

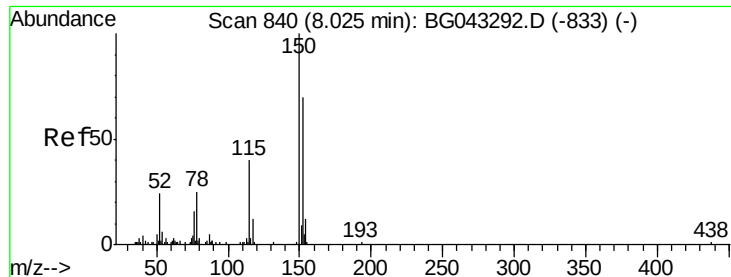
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BG043421.D

Acq: 31 Oct 2019 4:29

Instrument :

BNA_G

ClientSampleId :

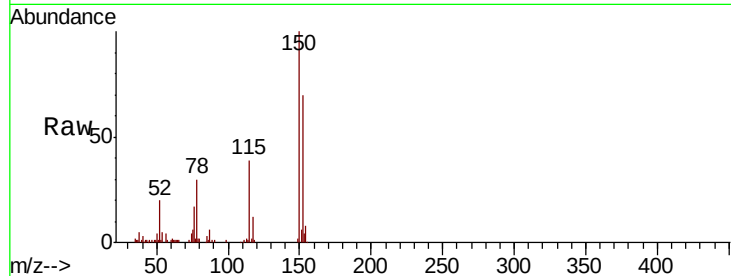
Tot Ion:152 Resp: 41613

Ion Ratio Lower Upper

152 100

150 142.6 113.6 170.4

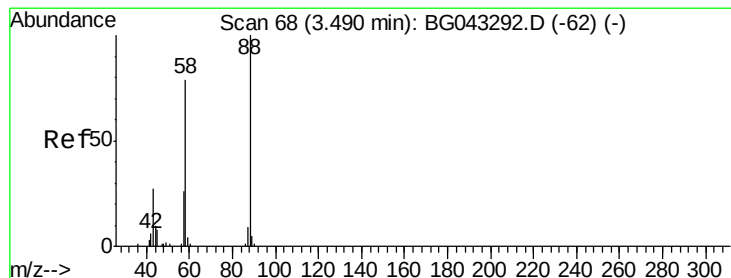
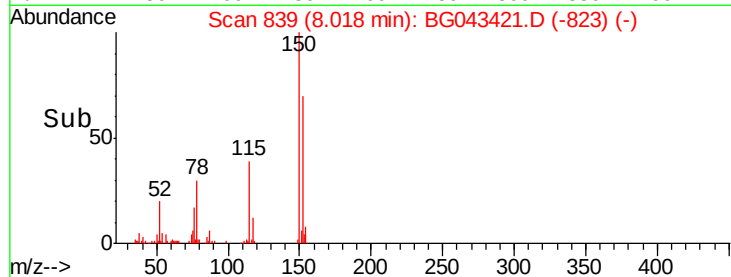
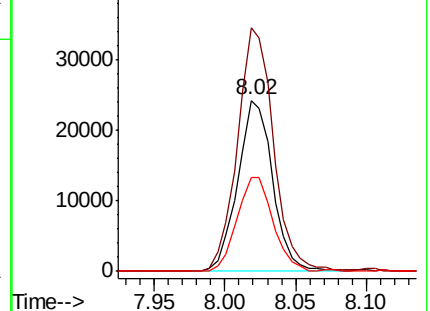
115 55.1 45.9 68.9



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



#2

1,4-Dioxane

Concen: 10.306 ng

RT: 3.21 min Scan# 21

Delta R.T. -0.28 min

Lab File: BG043421.D

Acq: 31 Oct 2019 4:29

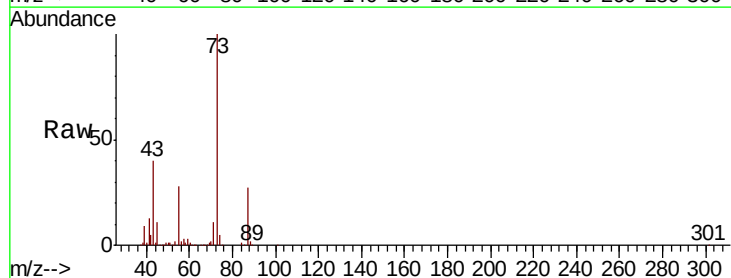
Tgt Ion: 88 Resp: 9120

Ion Ratio Lower Upper

88 100

58 45.5 60.2 90.2#

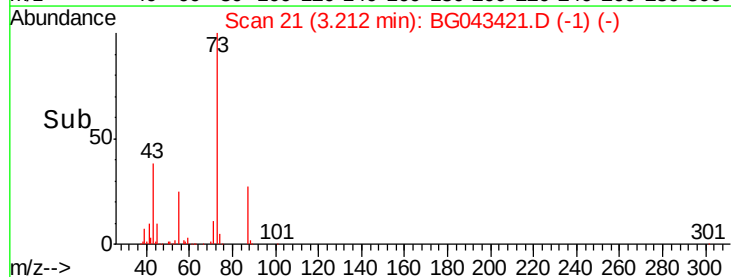
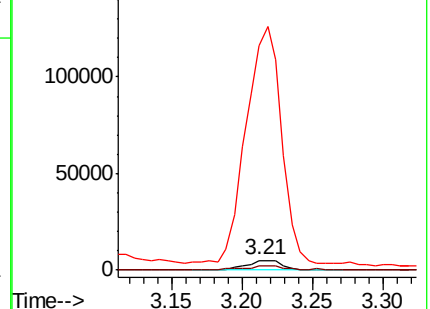
43 2348.7 22.7 34.1#

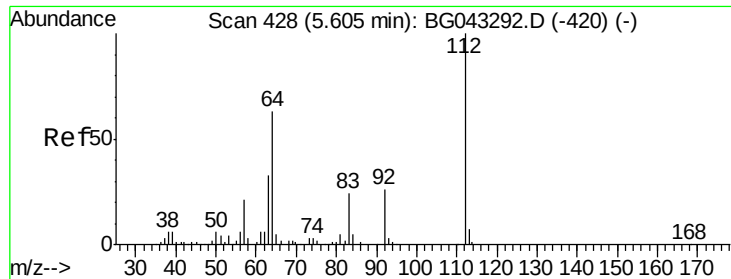


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 112.146 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043421.D

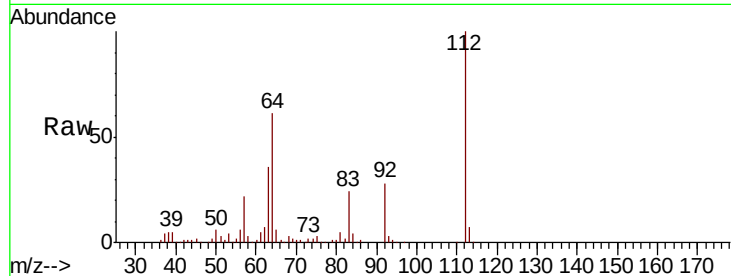
Acq: 31 Oct 2019 4:29

Instrument :

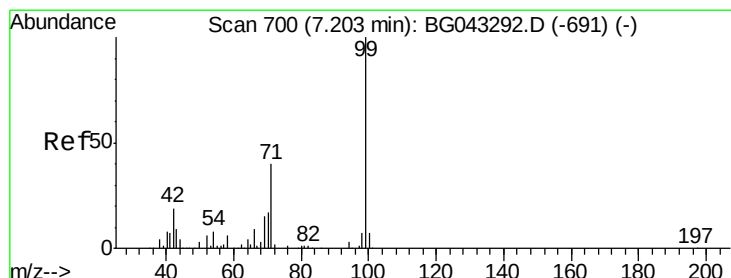
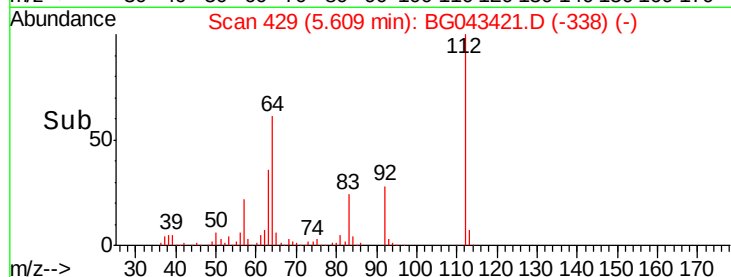
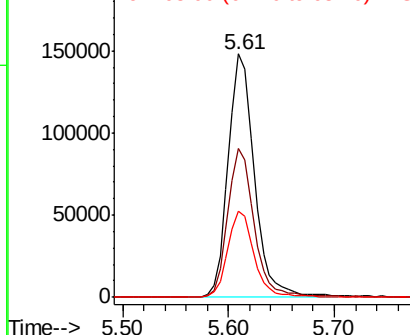
BNA_G

ClientSampleId :

Tot Ion:	112	Resp:	254673
Ion	Ratio	Lower	Upper
112	100		
64	61.2	50.2	75.2
63	35.6	26.7	40.1



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: 108.680 ng

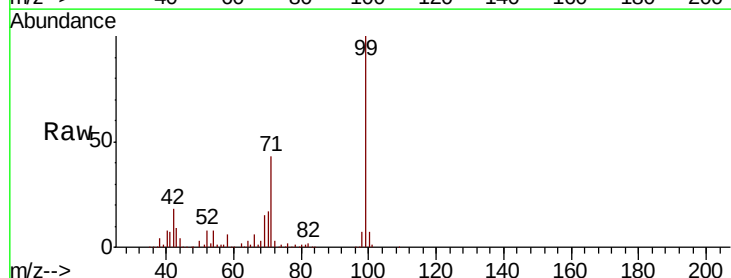
RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

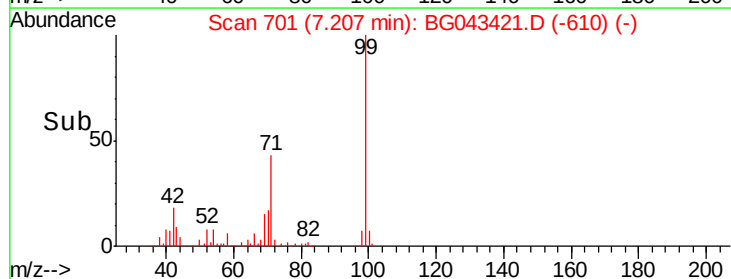
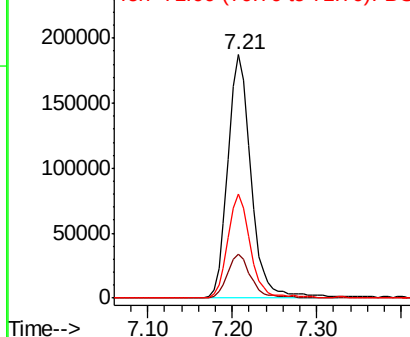
Lab File: BG043421.D

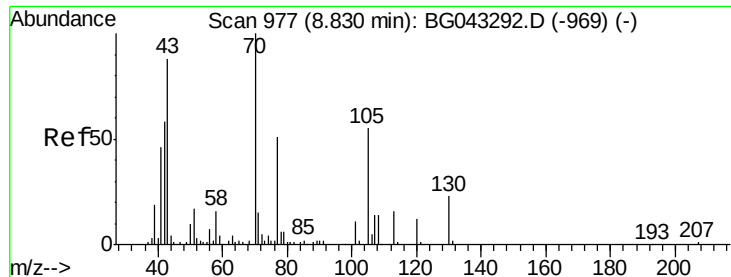
Acq: 31 Oct 2019 4:29

Tgt Ion:	99	Resp:	355088
Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.9	22.3
71	42.8	32.2	48.2



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: 14.598 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043421.D

Acq: 31 Oct 2019 4:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 30820

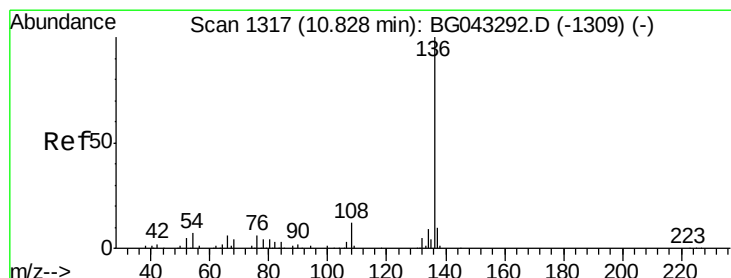
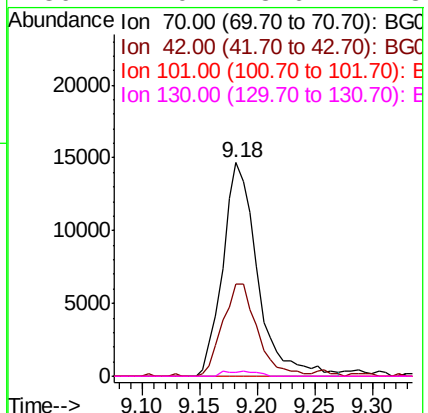
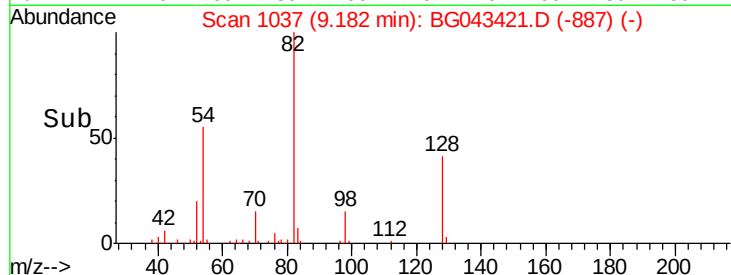
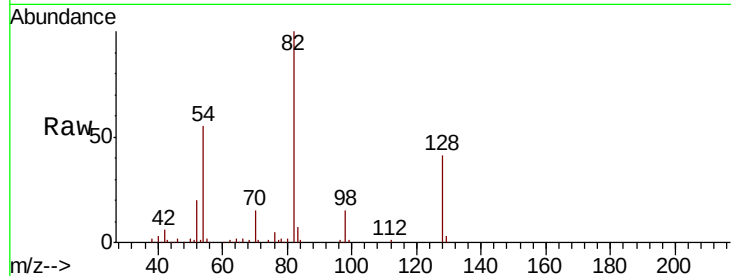
Ion Ratio Lower Upper

70 100

42 43.0 46.2 69.2#

101 0.0 8.6 13.0#

130 2.0 18.6 27.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043421.D

Acq: 31 Oct 2019 4:29

Tgt Ion: 136 Resp: 142888

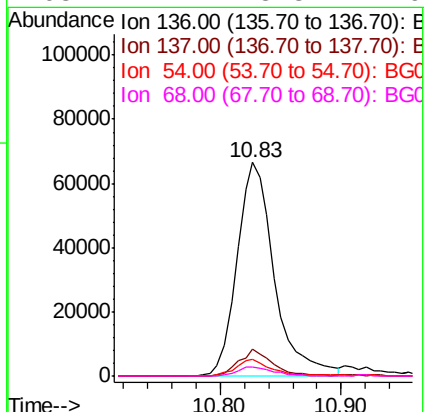
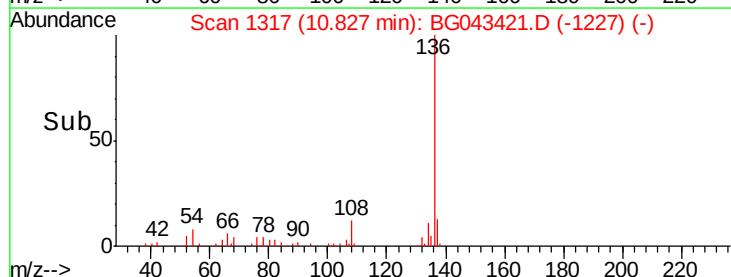
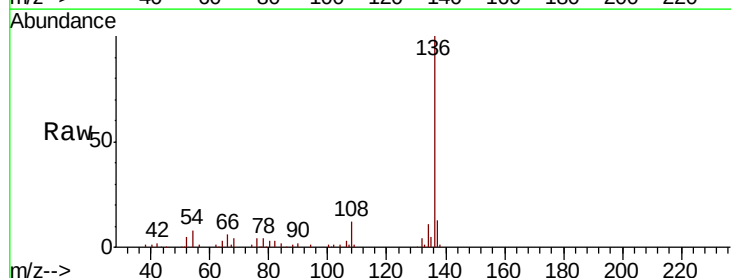
Ion Ratio Lower Upper

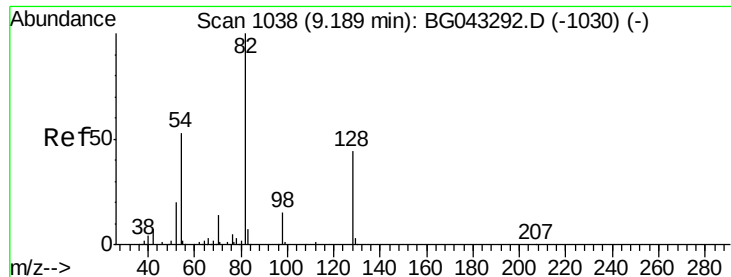
136 100

137 12.9 8.2 12.2#

54 7.7 5.4 8.2

68 4.2 3.3 4.9

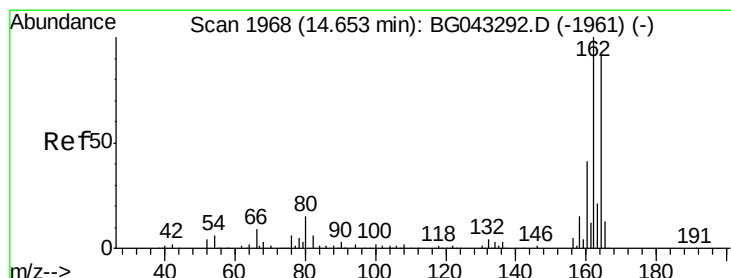
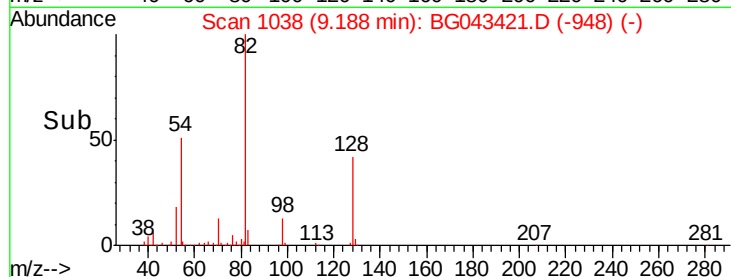
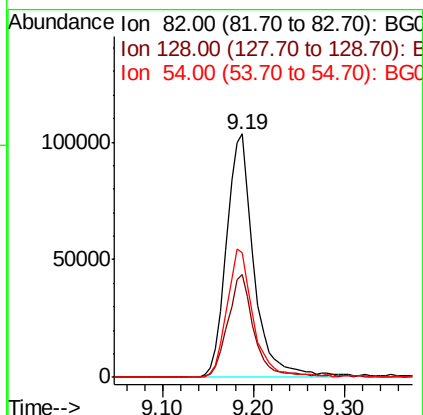
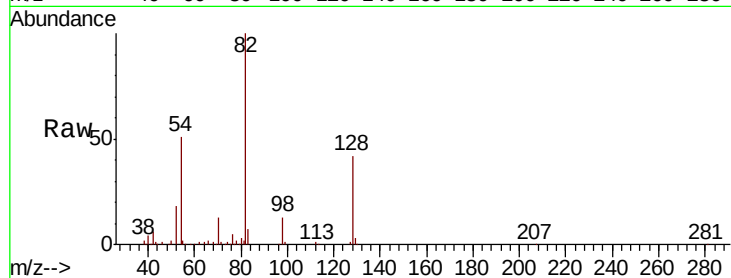




#23
 Nitrobenzene-d5
 Concen: 78.610 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG043421.D
 Acq: 31 Oct 2019 4:29

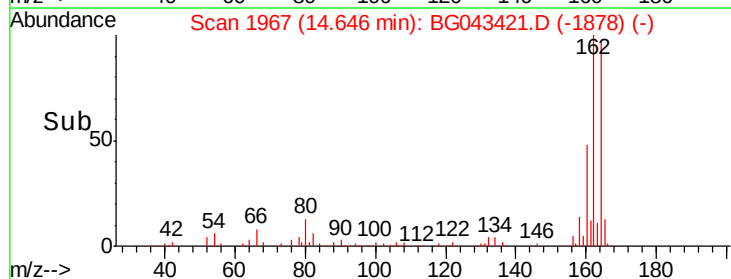
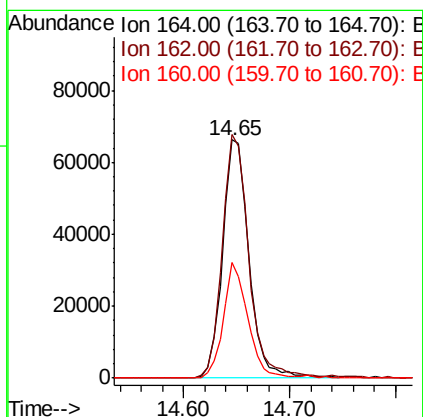
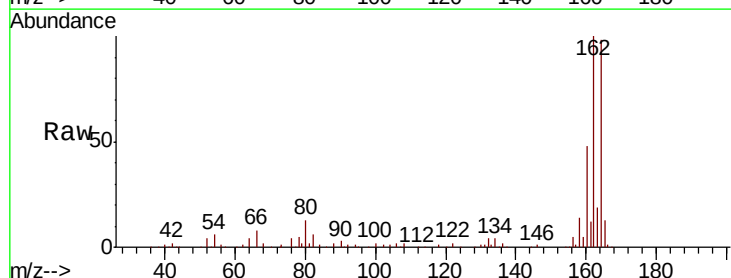
Instrument :
 BNA_G
 ClientSampleId :

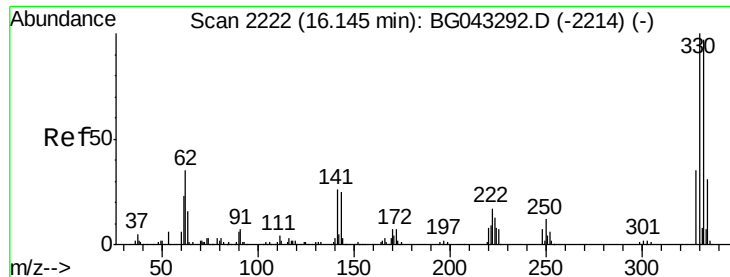
Tot Ion	82	Resp	217875
Ion Ratio	Lower	Upper	
82	100		
128	42.3	35.3	52.9
54	51.1	42.3	63.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BG043421.D
 Acq: 31 Oct 2019 4:29

Tgt Ion	164	Resp	114737
Ion Ratio	Lower	Upper	
164	100		
162	102.1	87.0	130.4
160	48.7	35.5	53.3

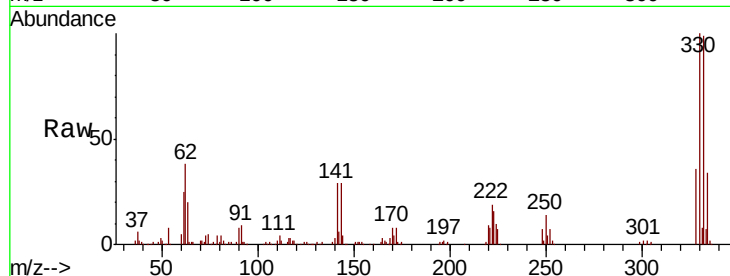




#42
 2,4,6-Tribromophenol
 Concen: 105.997 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043421.D
 Acq: 31 Oct 2019 4:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.4	114.6
141	27.4	21.4	32.0

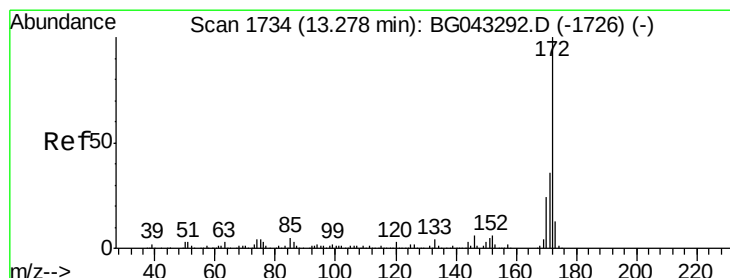
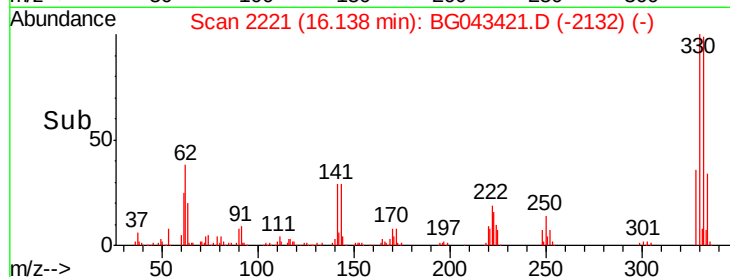
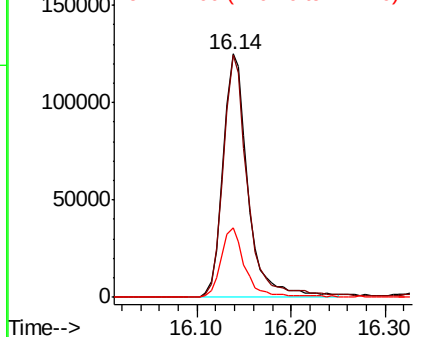


Abundance

Ion 329.80 (329.50 to 330.50): E

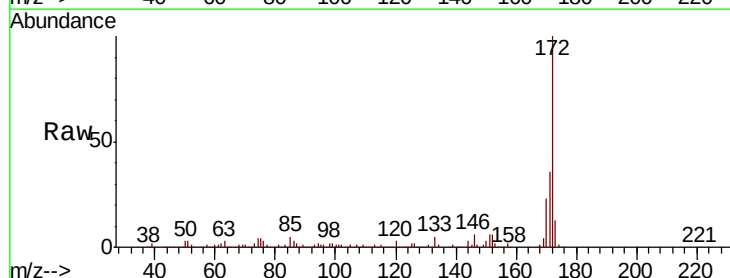
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.757 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043421.D
 Acq: 31 Oct 2019 4:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.5	42.7
170	23.0	18.8	28.2

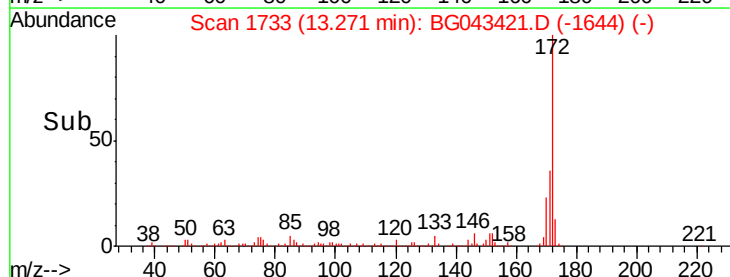
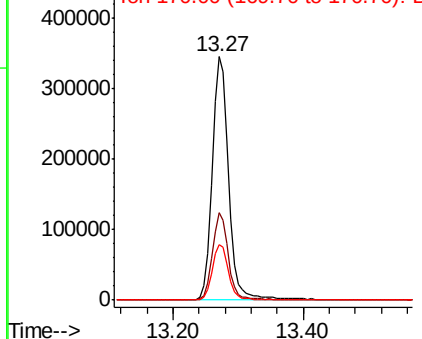


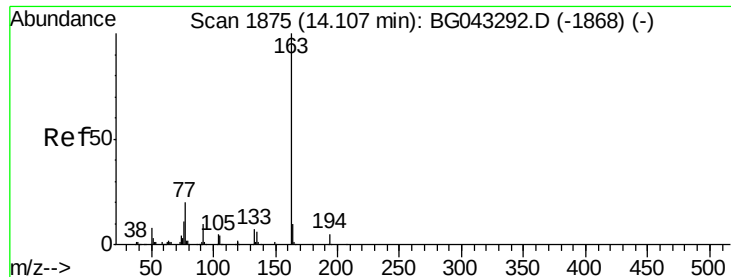
Abundance

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

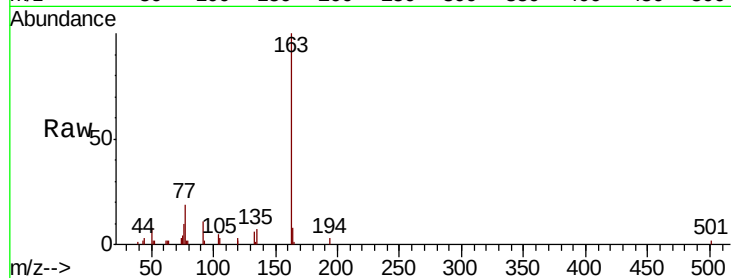




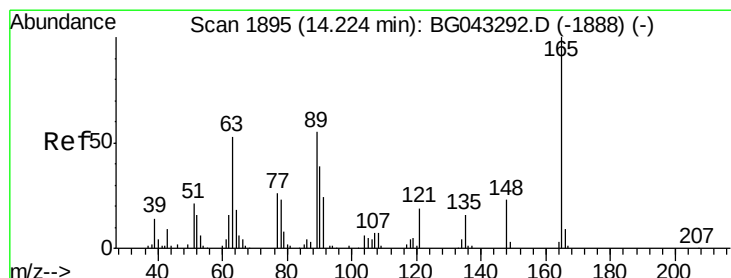
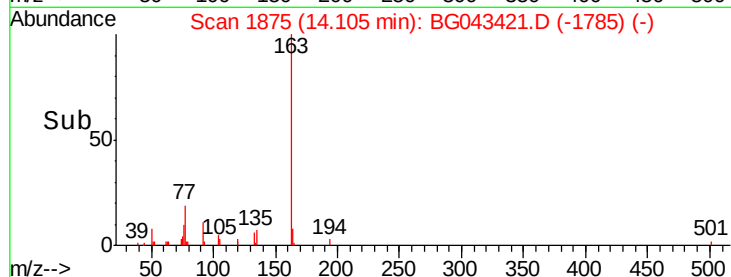
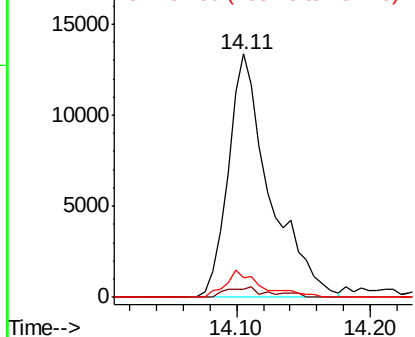
#50
Dimethylphthalate
Concen: 3.248 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043421.D
Acq: 31 Oct 2019 4:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 28866
Ion Ratio Lower Upper
163 100
194 3.3 3.7 5.5#
164 8.1 8.1 12.1

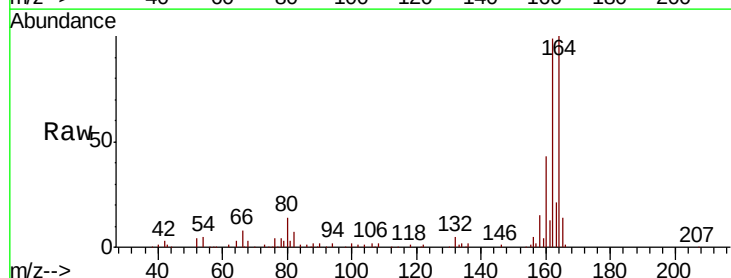


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

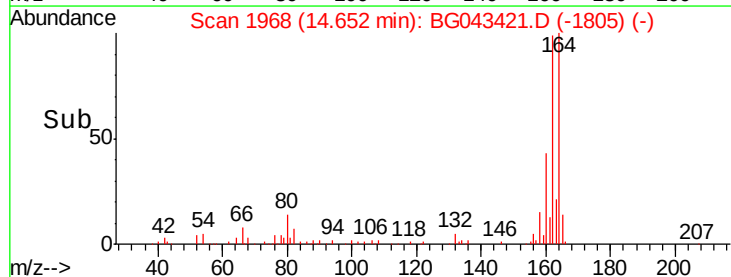
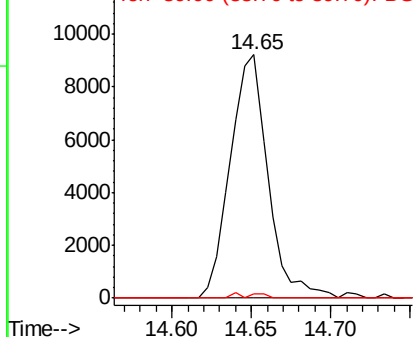


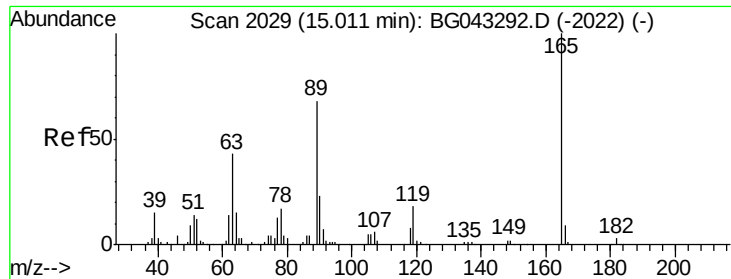
#51
2,6-Dinitrotoluene
Concen: 7.881 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.43 min
Lab File: BG043421.D
Acq: 31 Oct 2019 4:29

Tgt Ion:165 Resp: 15216
Ion Ratio Lower Upper
165 100
63 0.0 47.1 70.7#
89 2.0 43.7 65.5#



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

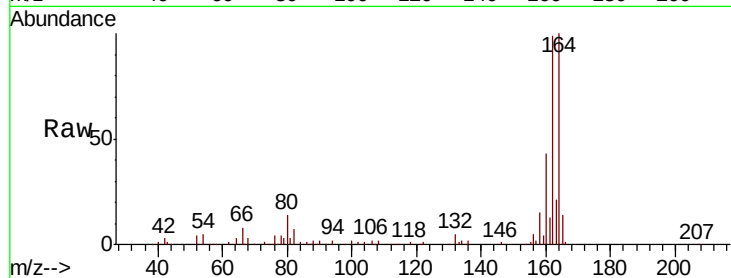




#57
 2,4-Dinitrotoluene
 Concen: 5.515 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043421.D
 Acq: 31 Oct 2019 4:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	2.0	54.1	81.1#
182	0.0	2.2	3.2#

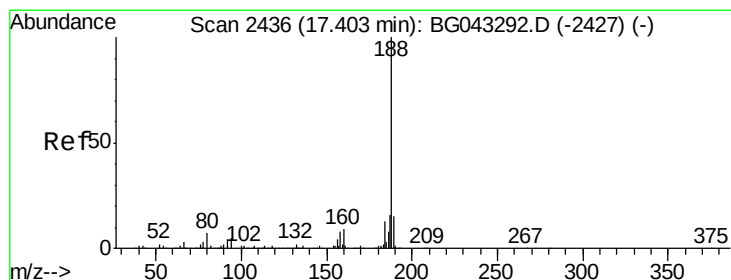
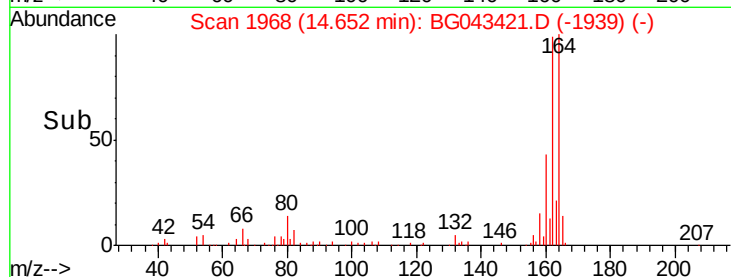
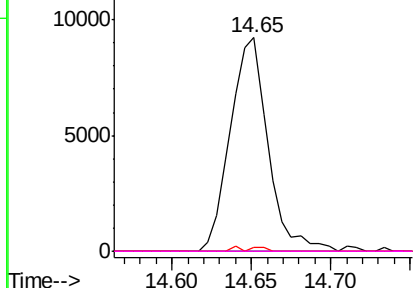


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

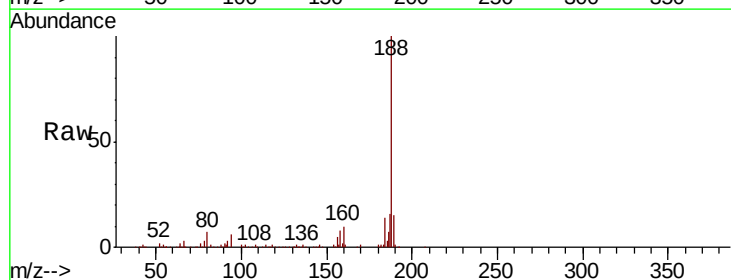
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043421.D
 Acq: 31 Oct 2019 4:29

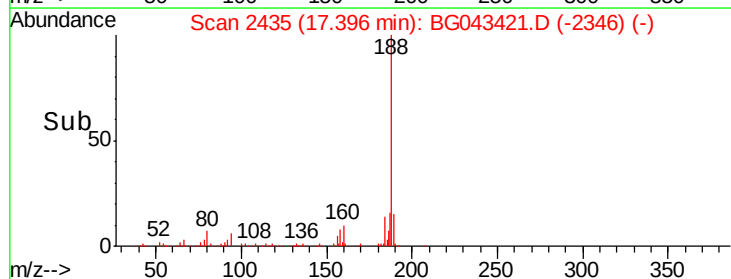
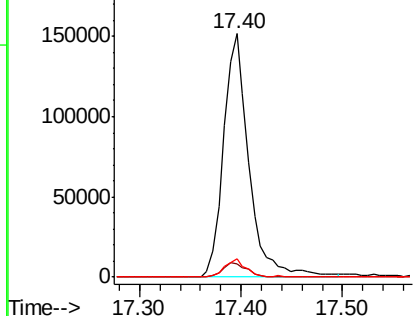
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.2	6.2
80	7.3	5.2	7.8

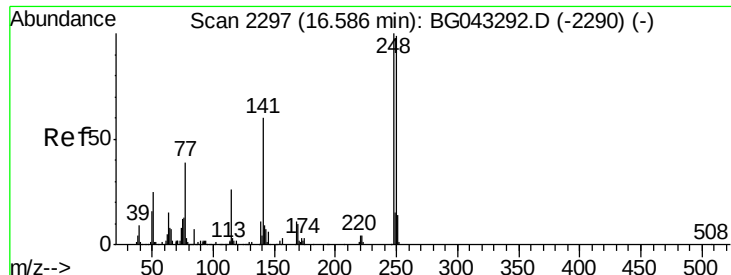


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

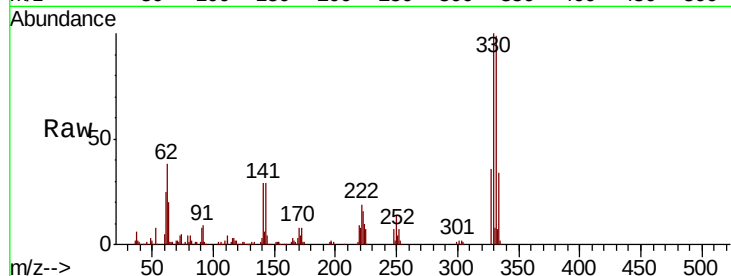




#67
4-Bromophenyl-phenylether
Concen: 4.009 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043421.D
Acq: 31 Oct 2019 4:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	211.3	79.3	118.9#
141	434.3	47.9	71.9#

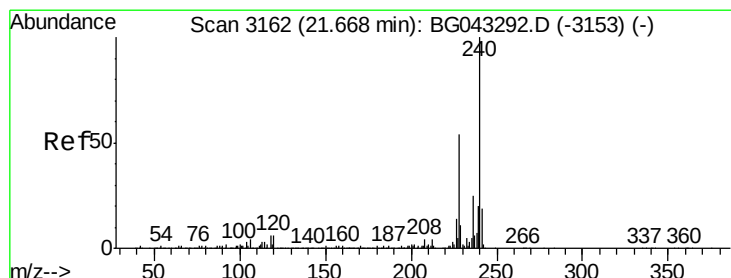
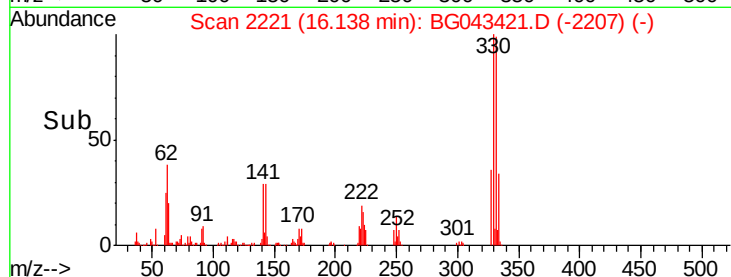
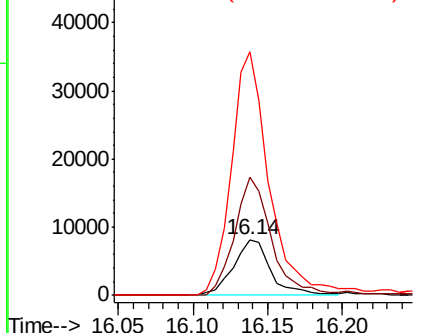


Abundance

Ion 248.00 (247.70 to 248.70): E

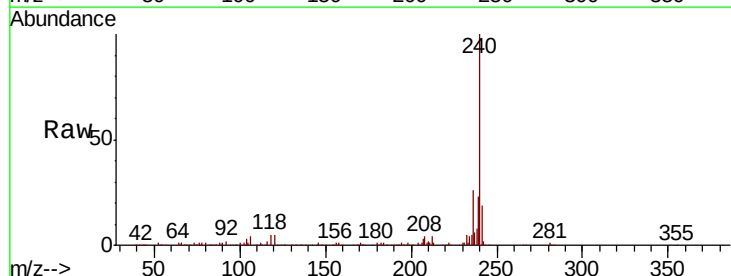
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043421.D
Acq: 31 Oct 2019 4:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.6	7.0
236	26.2	20.2	30.4

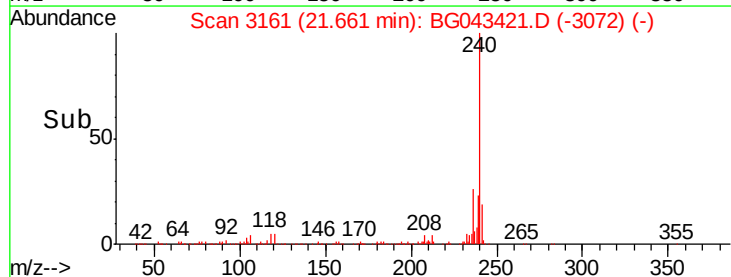
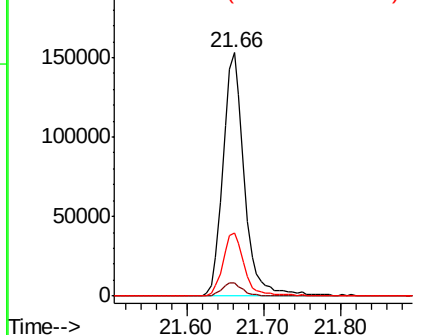


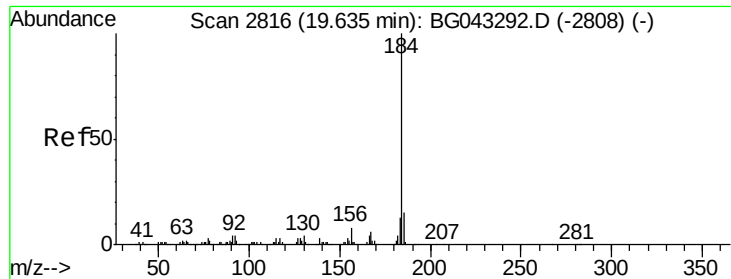
Abundance

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: 3.121 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043421.D

Acq: 31 Oct 2019 4:29

Instrument :

BNA_G

ClientSampleId :

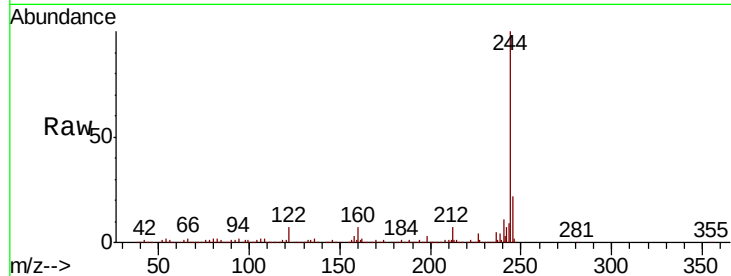
Tot Ion:184 Resp: 18537

Ion Ratio Lower Upper

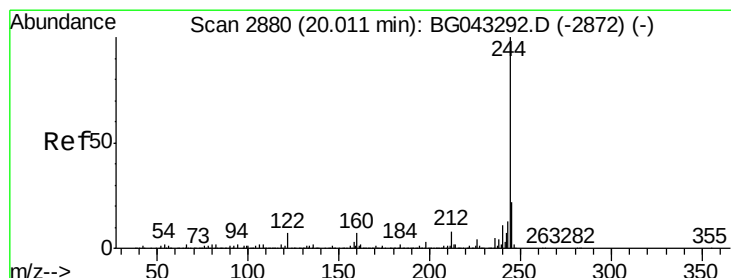
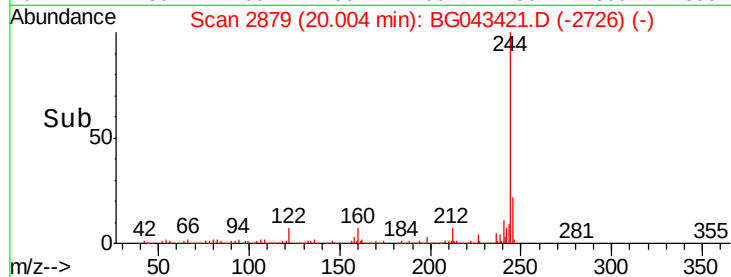
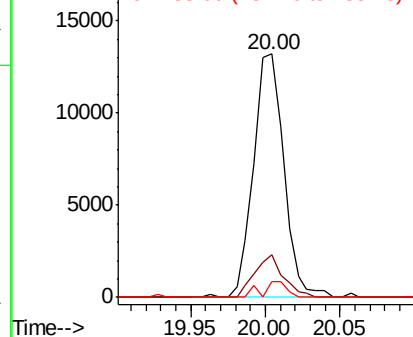
184 100

185 17.4 11.8 17.6

183 6.6 10.6 16.0#



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: 82.387 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043421.D

Acq: 31 Oct 2019 4:29

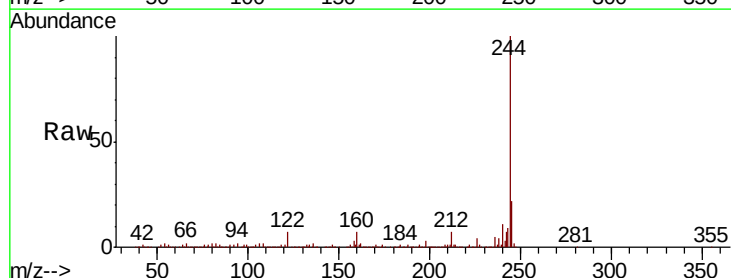
Tgt Ion:244 Resp: 1295930

Ion Ratio Lower Upper

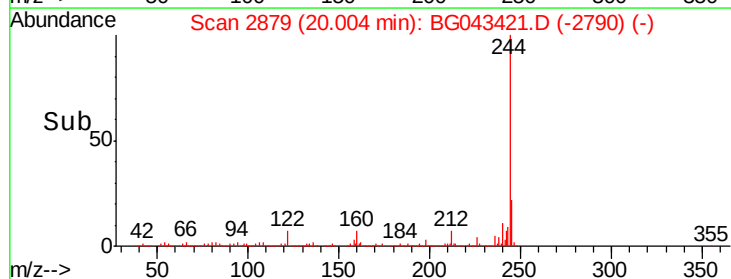
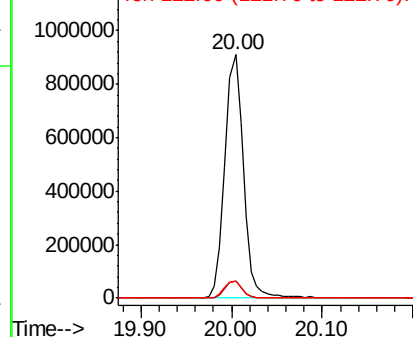
244 100

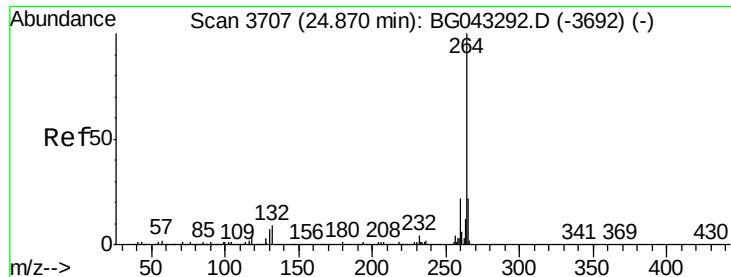
212 7.0 6.4 9.6

122 6.9 5.3 7.9



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

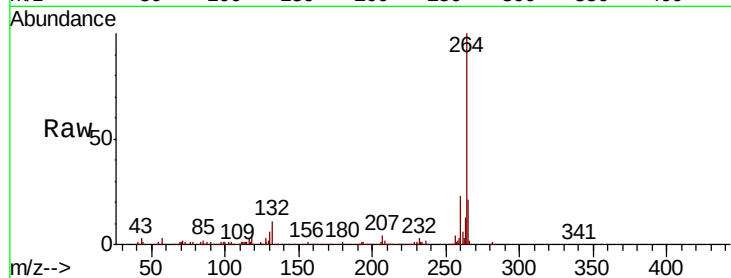




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043421.D
 Acq: 31 Oct 2019 4:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.9	26.9
265	20.9	17.4	26.2



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

