

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042315.D
 Acq On : 18 Aug 2019 9:24
 Operator : HP/JU
 Sample : K4324-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T8-C1-(0-4)

Quant Time: Aug 19 06:00:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

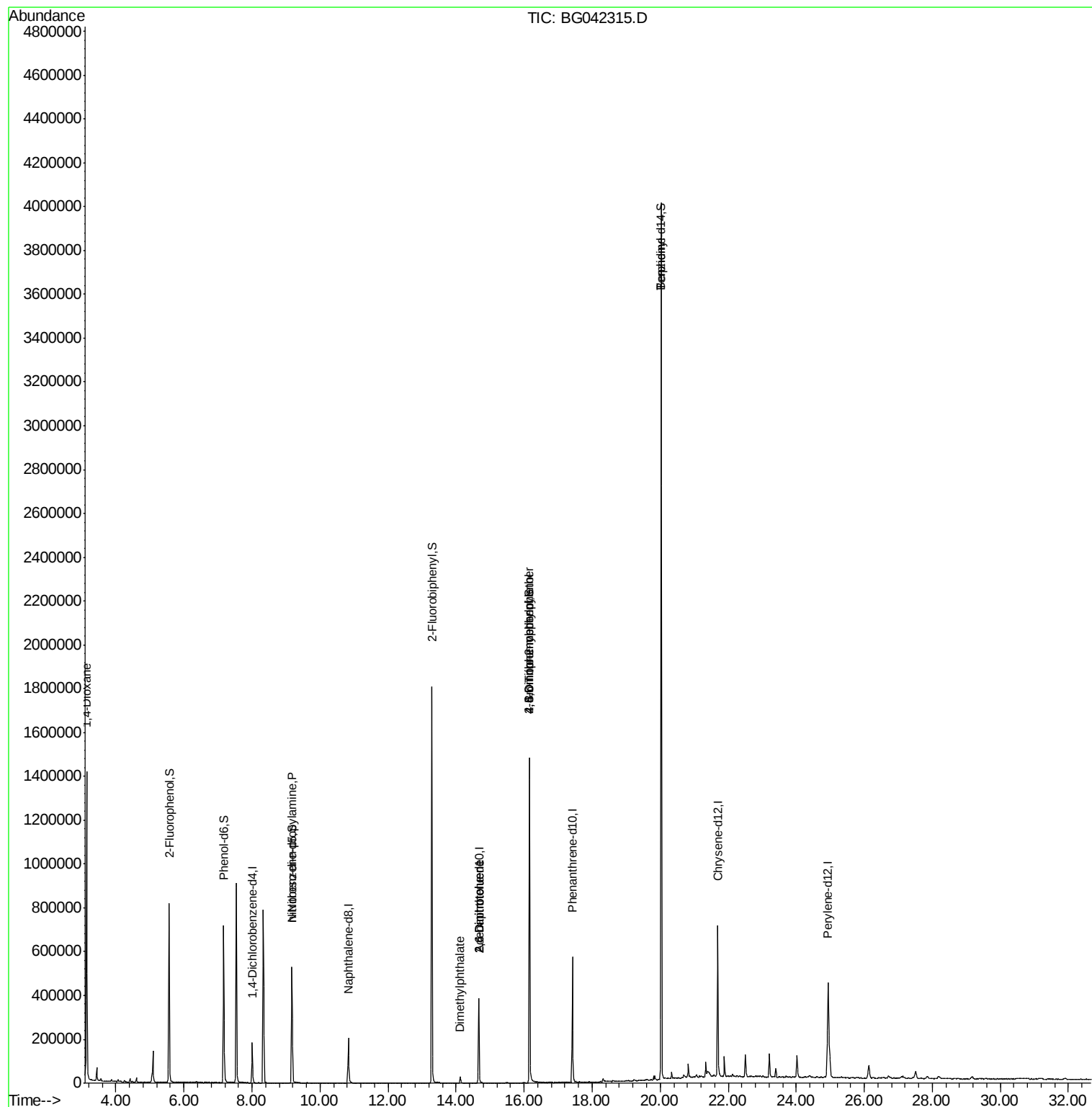
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	59142	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	224899	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	162575	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	392173	20.00	ng	-0.04
76) Chrysene-d12	21.69	240	434793	20.00	ng	-0.05
87) Perylene-d12	24.94	264	499305	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	411498	135.37	ng	-0.03
7) Phenol-d6	7.17	99	506318	123.55	ng	-0.03
23) Nitrobenzene-d5	9.17	82	350756	107.33	ng	-0.04
42) 2,4,6-Tribromophenol	16.15	330	363415	196.80	ng	-0.04
45) 2-Fluorobiphenyl	13.29	172	1082458	117.43	ng	-0.04
79) Terphenyl-d14	20.03	244	1981051	104.26	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.13	88	14396	10.062	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	43350	14.570	ng	# 62
50) Dimethylphthalate	14.12	163	33025	2.974	ng	# 97
51) 2,6-Dinitrotoluene	14.67	165	21589	9.299	ng	# 26
57) 2,4-Dinitrotoluene	14.67	165	21589	6.762	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.16	198	798	7.209	ng	# 6
67) 4-Bromophenyl-phenylether	16.15	248	25927	5.367	ng	# 1
77) Benzidine	20.03	184	29759	2.097	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.04 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

Instrument :

BNA_G

ClientSampleId :

T8-C1-(0-4)

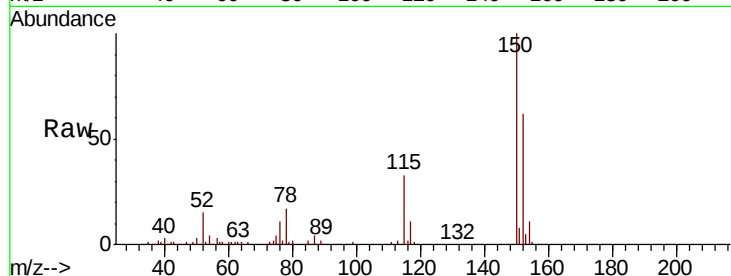
Tgt Ion:152 Resp: 59142

Ion Ratio Lower Upper

152 100

150 160.9 126.9 190.3

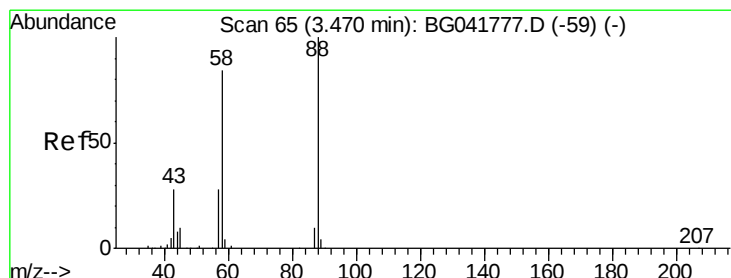
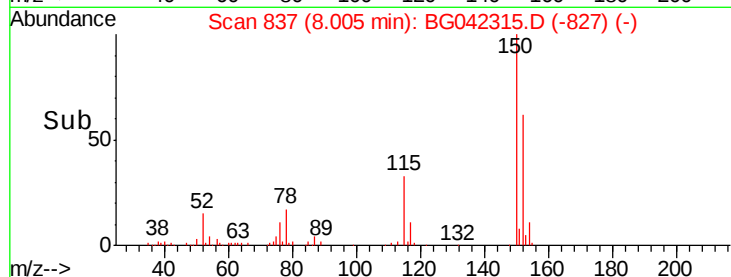
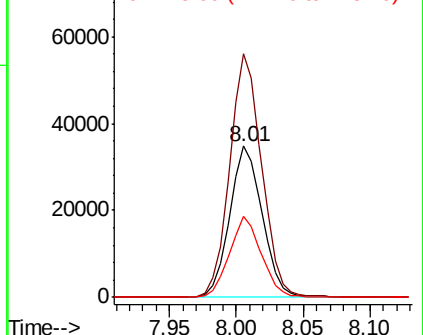
115 53.3 45.0 67.6



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



#2

1,4-Dioxane

Concen: 10.062 ng

RT: 3.13 min Scan# 8

Delta R.T. -0.33 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

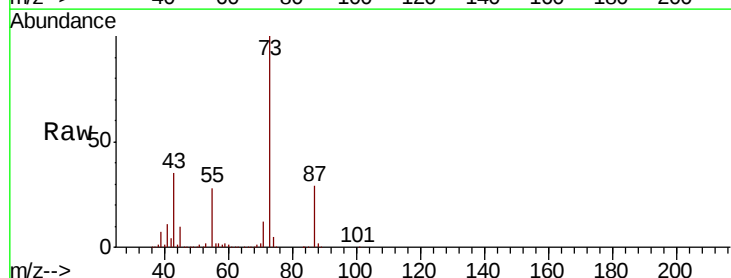
Tgt Ion: 88 Resp: 14396

Ion Ratio Lower Upper

88 100

58 22.8 76.2 114.2#

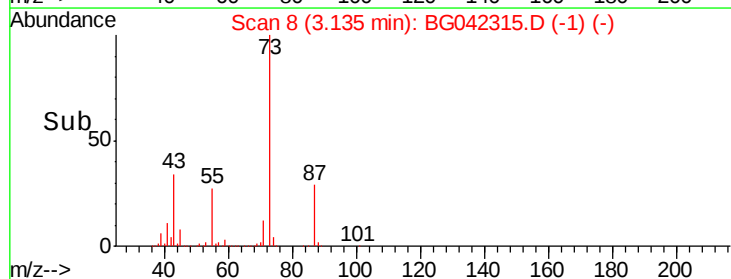
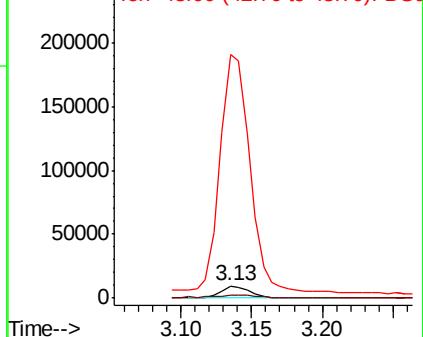
43 1925.3 27.2 40.8#

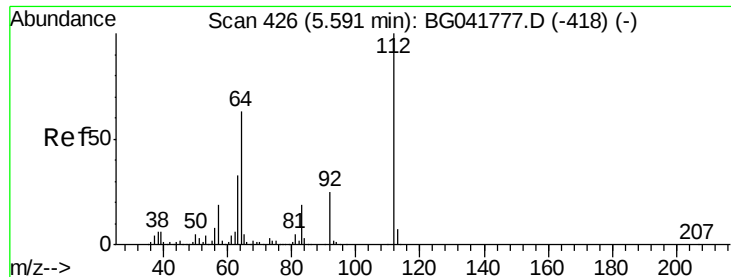


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 135.372 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

Instrument :

BNA_G

ClientSampleId :

T8-C1-(0-4)

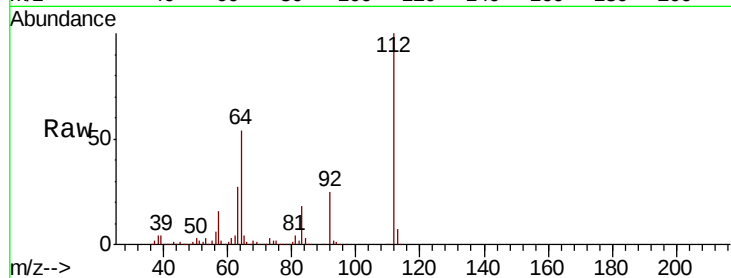
Tgt Ion:112 Resp: 411498

Ion Ratio Lower Upper

112 100

64 54.3 55.4 83.2#

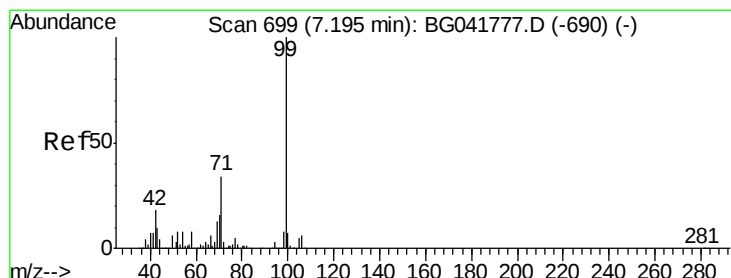
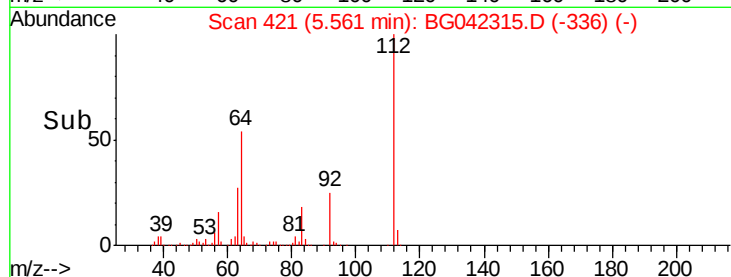
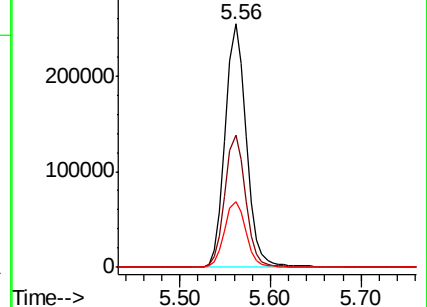
63 27.0 29.1 43.7#



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: 123.550 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

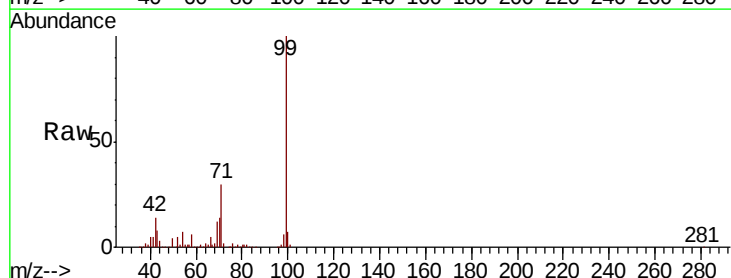
Tgt Ion: 99 Resp: 506318

Ion Ratio Lower Upper

99 100

42 14.1 17.6 26.4#

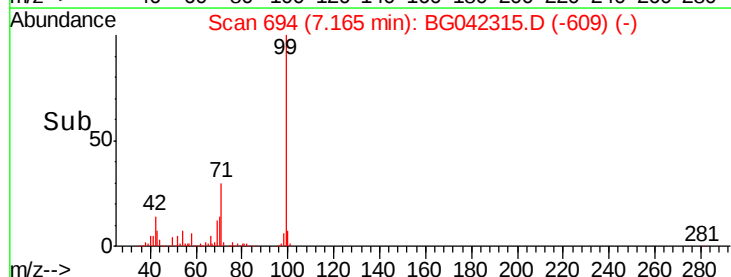
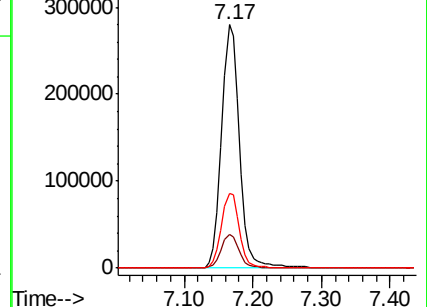
71 30.4 27.8 41.6

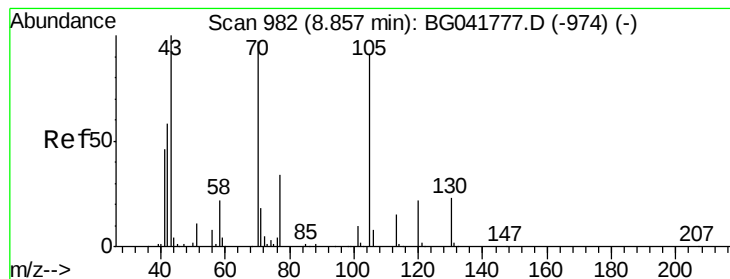


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.570 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

Instrument :

BNA_G

ClientSampleId :

T8-C1-(0-4)

Tgt Ion: 70 Resp: 43350

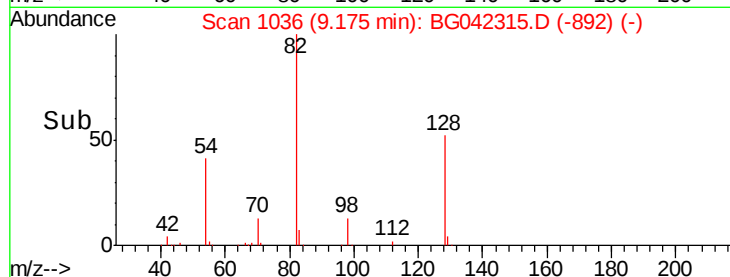
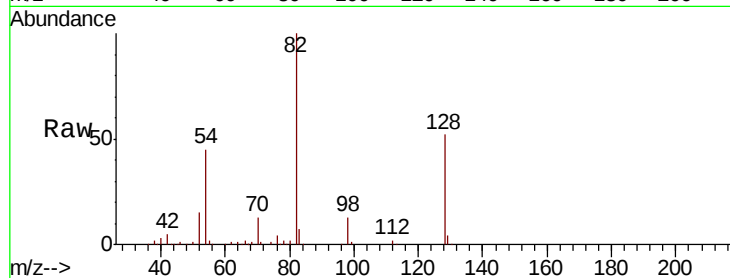
Ion Ratio Lower Upper

70 100

42 38.1 55.8 83.6#

101 0.0 8.1 12.1#

130 2.7 17.3 25.9#

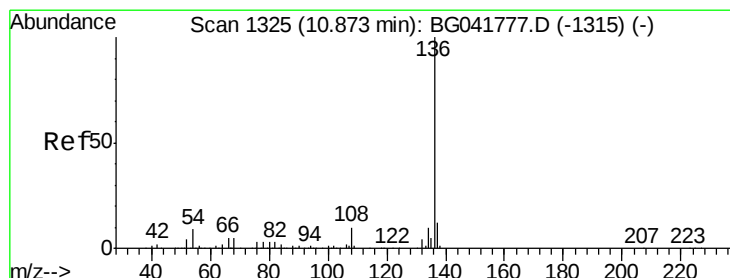
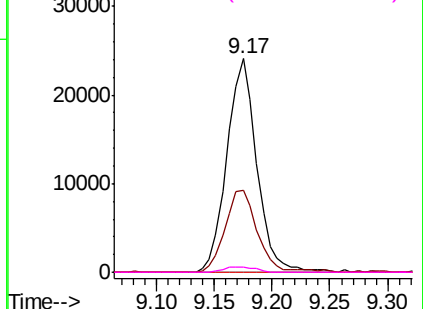


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.83 min Scan# 1318

Delta R.T. -0.04 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

Tgt Ion: 136 Resp: 224899

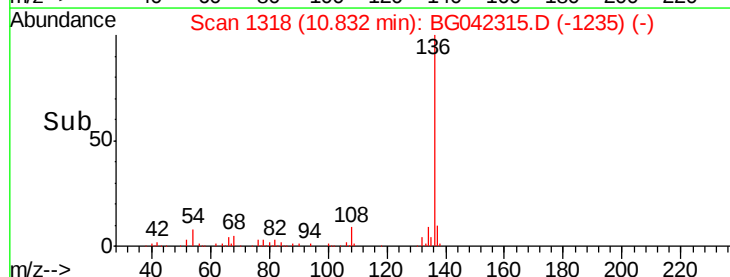
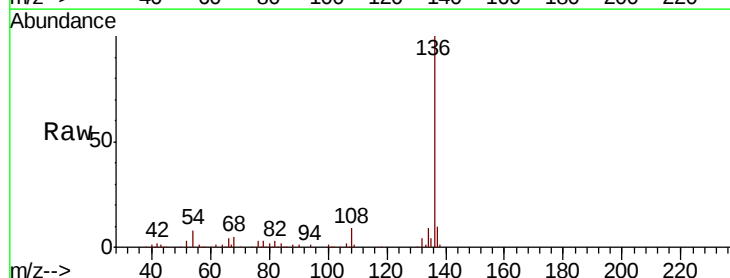
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 7.8 8.7 13.1#

68 4.9 5.5 8.3#

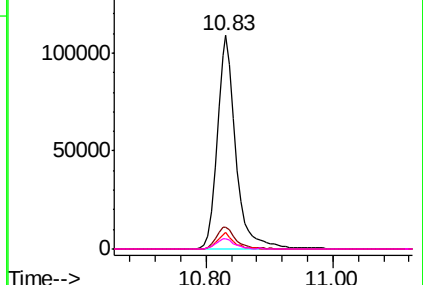


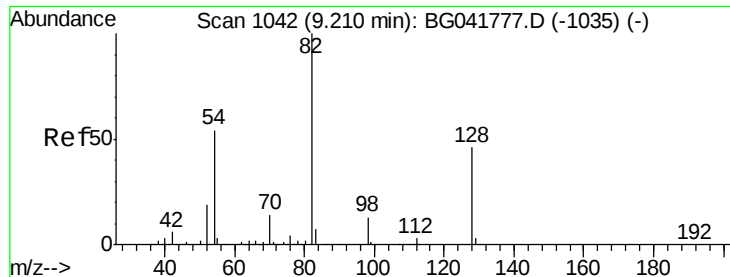
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

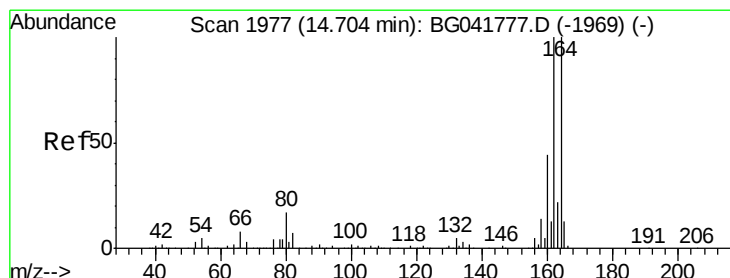
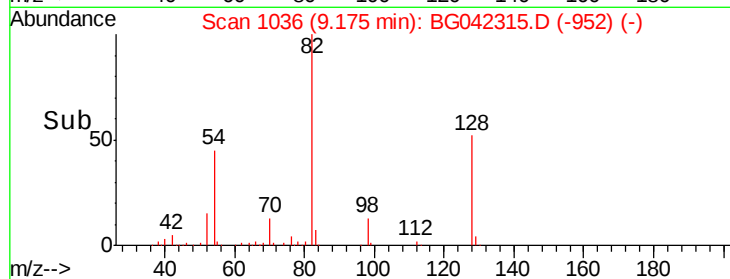
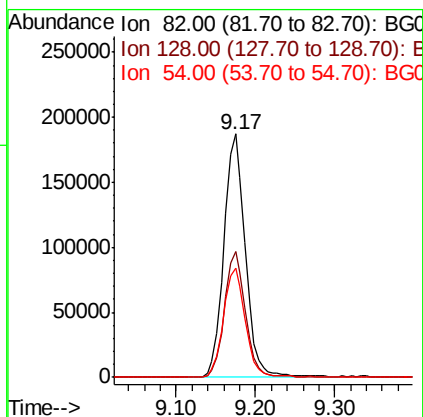
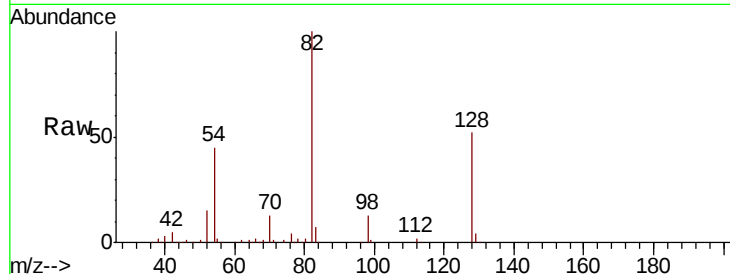




#23
Nitrobenzene-d5
Concen: 107.327 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.04 min
Lab File: BG042315.D
Acq: 18 Aug 2019 9:24

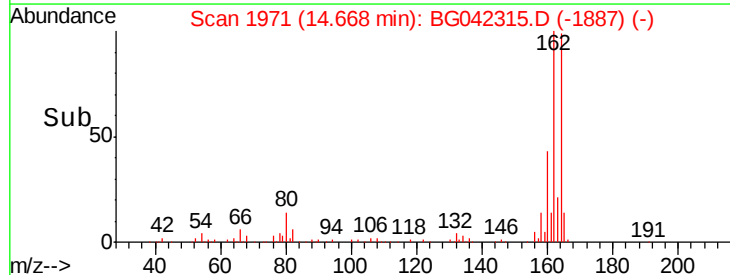
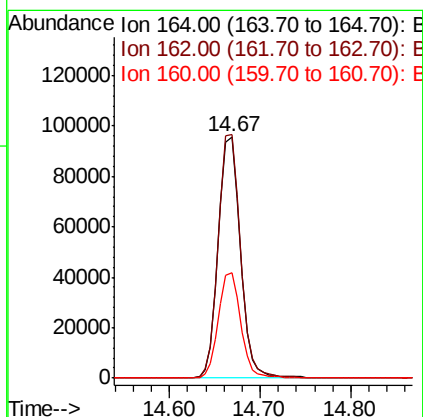
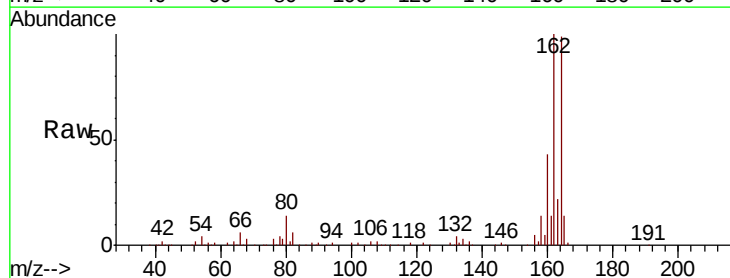
Instrument :
BNA_G
ClientSampleId :
T8-C1-(0-4)

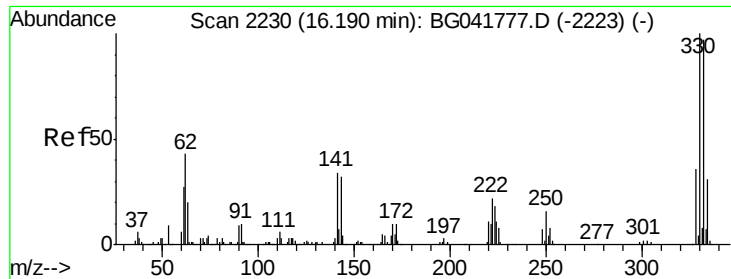
Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.7	35.1	52.7
54	44.7	48.7	73.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.04 min
Lab File: BG042315.D
Acq: 18 Aug 2019 9:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	79.6	119.4
160	43.4	35.4	53.0

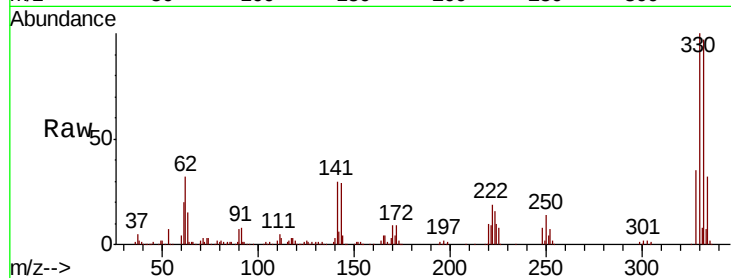




#42
 2,4,6-Tribromophenol
 Concen: 196.799 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.04 min
 Lab File: BG042315.D
 Acq: 18 Aug 2019 9:24

Instrument :
 BNA_G
 ClientSampleId :
 T8-C1-(0-4)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	28.7	31.9	47.9#

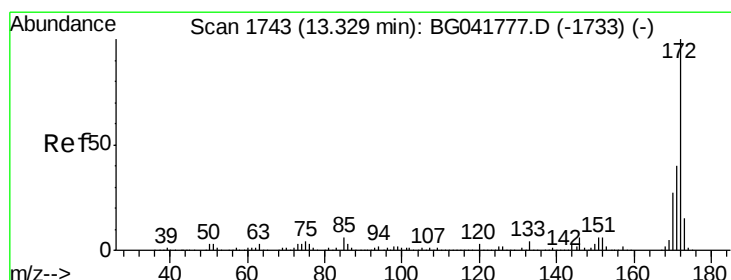
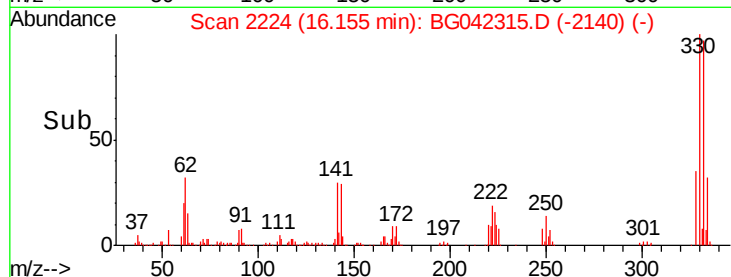
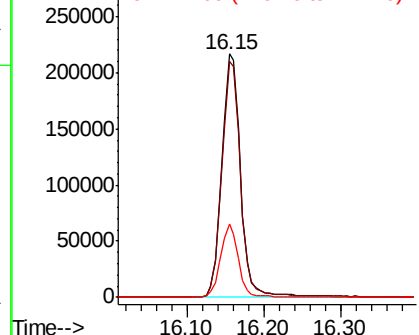


Abundance

Ion 329.80 (329.50 to 330.50): E

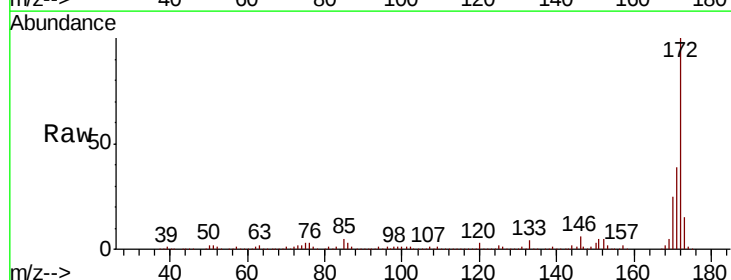
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 117.432 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042315.D
 Acq: 18 Aug 2019 9:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	35.0	52.4
170	25.4	23.5	35.3

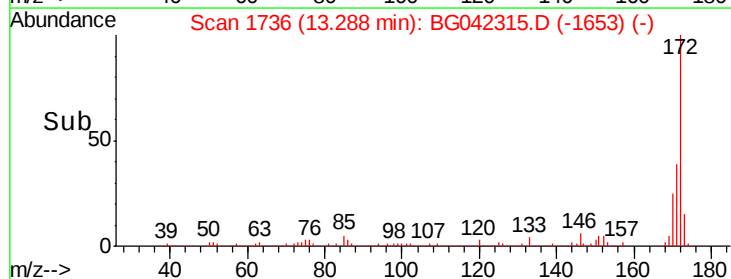
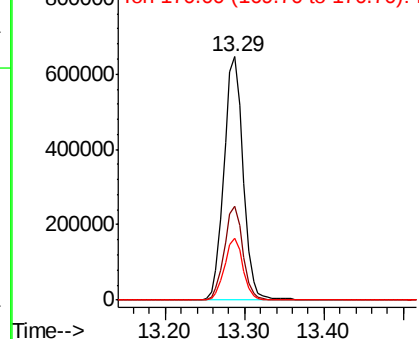


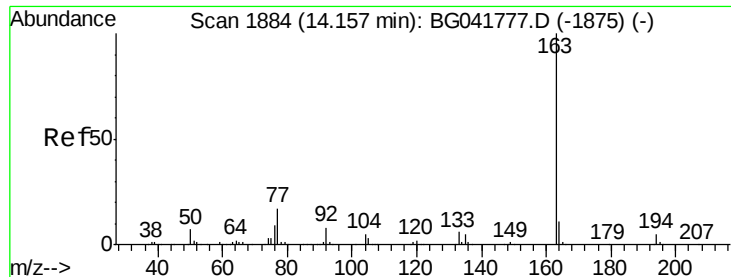
Abundance

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: 2.974 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.04 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

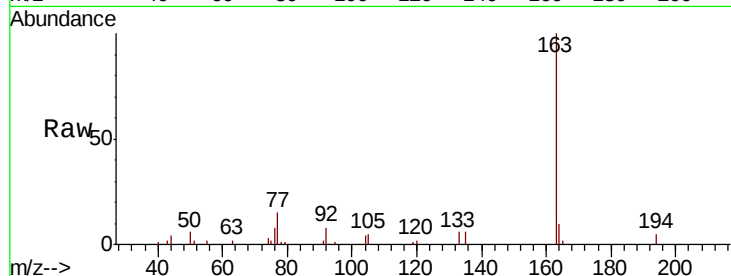
Instrument :

BNA_G

ClientSampleId :

T8-C1-(0-4)

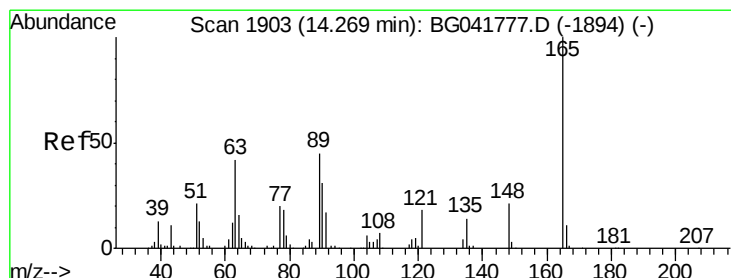
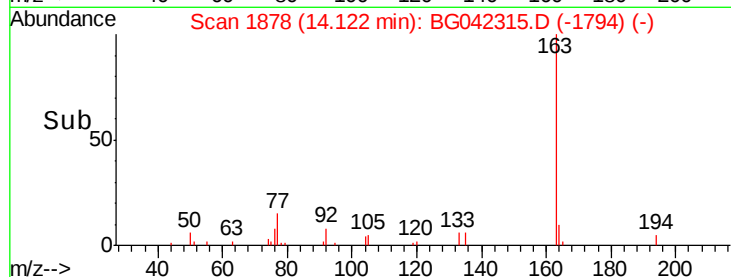
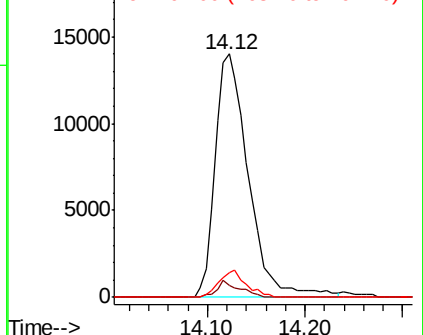
Tgt Ion:	163	Resp:	33025
Ion Ratio	Lower	Upper	
163	100		
194	5.1	4.2	6.2
164	10.4	9.4	14.2



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: 9.299 ng

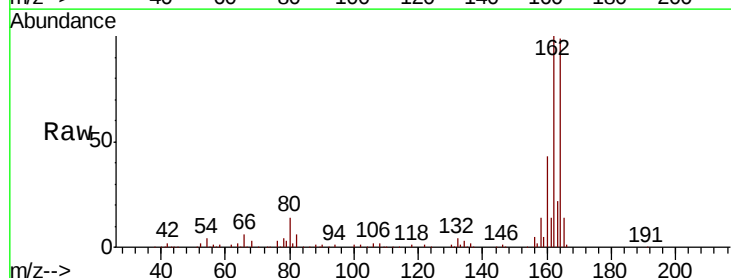
RT: 14.67 min Scan# 1971

Delta R.T. 0.40 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

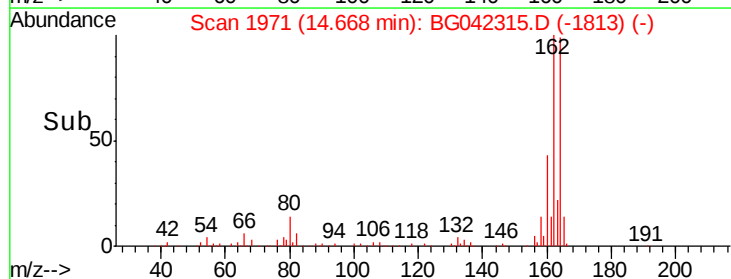
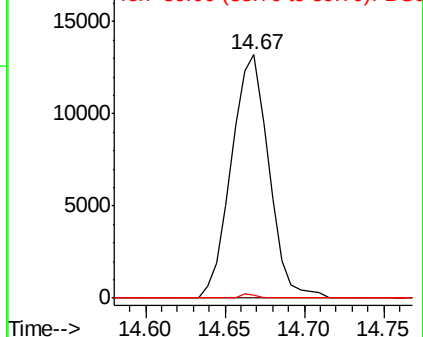
Tgt Ion:	165	Resp:	21589
Ion Ratio	Lower	Upper	
165	100		
63	0.0	42.4	63.6#
89	1.4	42.1	63.1#

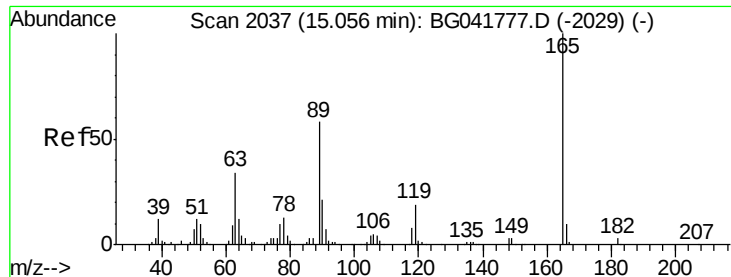


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

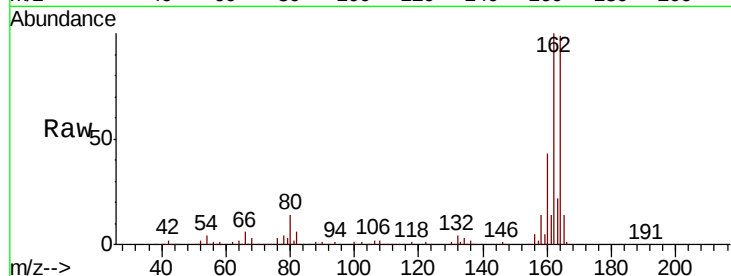




#57
 2,4-Dinitrotoluene
 Concen: 6.762 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042315.D
 Acq: 18 Aug 2019 9:24

Instrument :
 BNA_G
 ClientSampleId :
 T8-C1-(0-4)

Tgt Ion:	165	Resp:	21589
Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	1.4	50.2	75.4#
182	0.0	2.6	4.0#

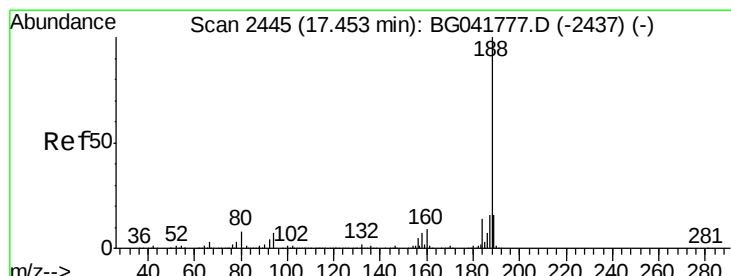
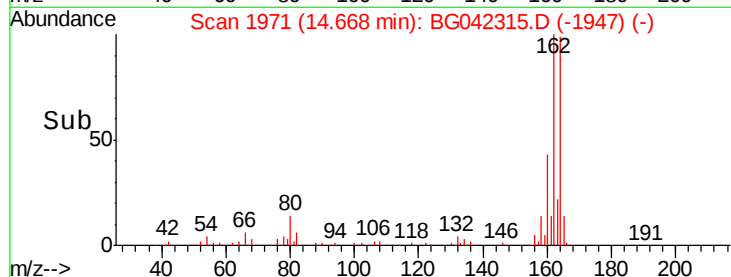
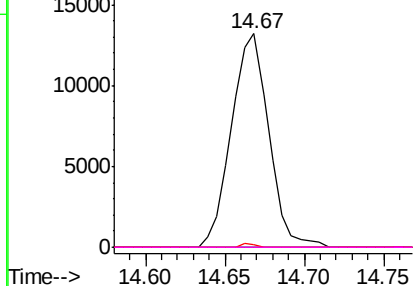


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

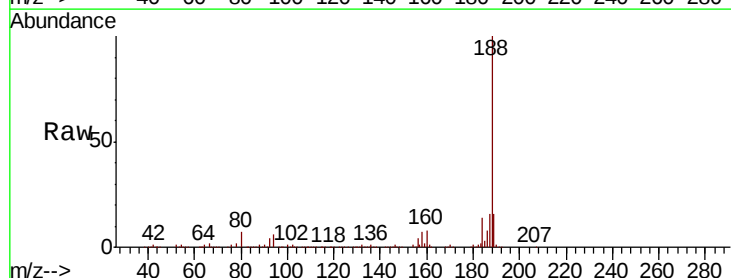
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.04 min
 Lab File: BG042315.D
 Acq: 18 Aug 2019 9:24

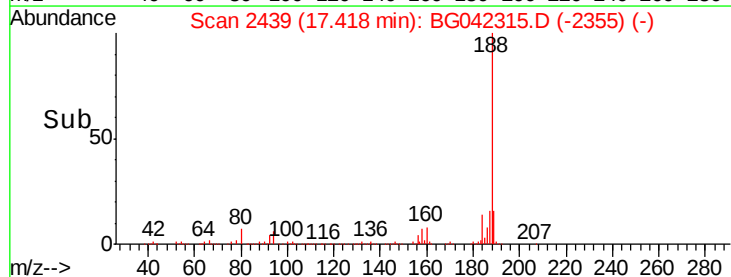
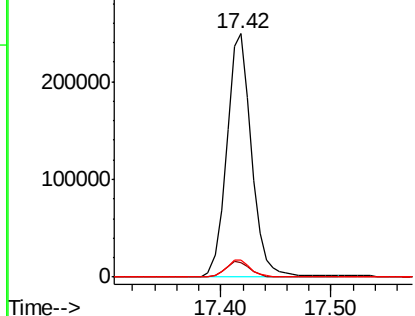
Tgt Ion:	188	Resp:	392173
Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	6.8	8.0	12.0#

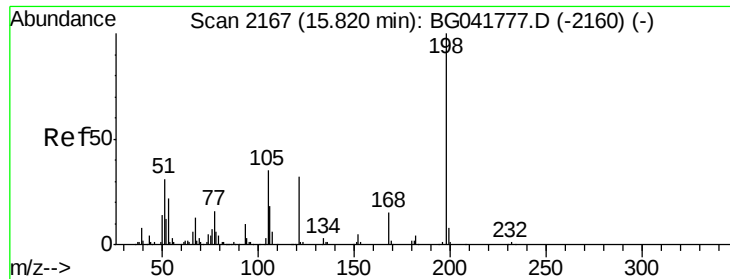


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

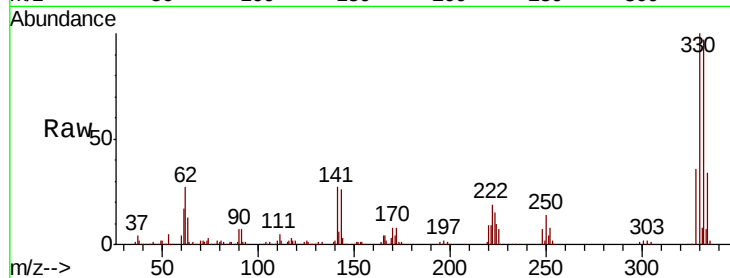




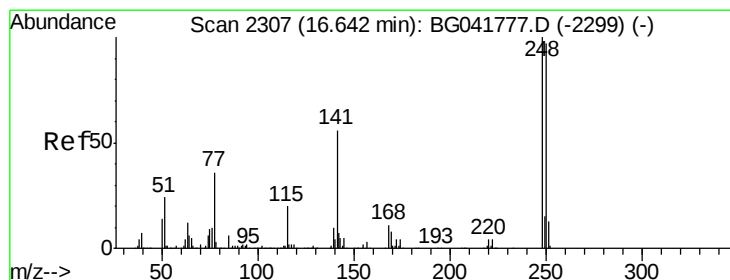
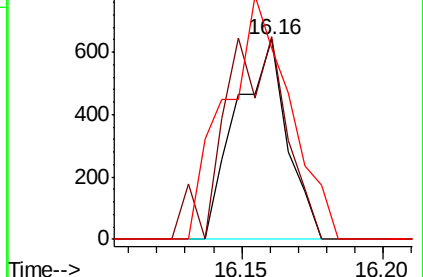
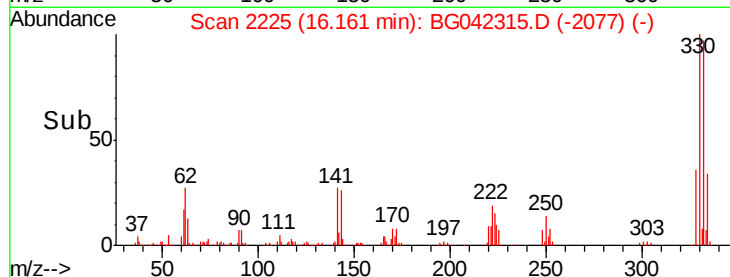
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.209 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.34 min
 Lab File: BG042315.D
 Acq: 18 Aug 2019 9:24

Instrument :
 BNA_G
 ClientSampleId :
 T8-C1-(0-4)

Tgt Ion:198 Resp: 798
 Ion Ratio Lower Upper
 198 100
 51 101.4 22.3 62.3#
 105 95.5 18.0 58.0#

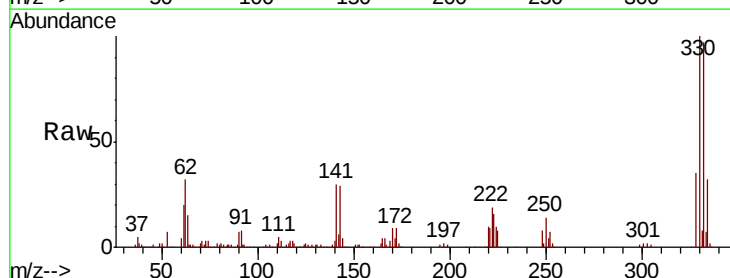


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

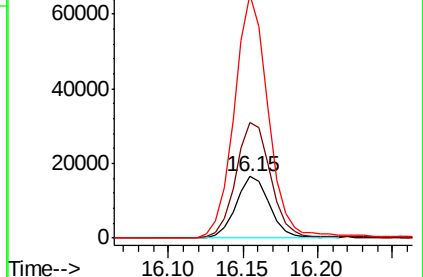
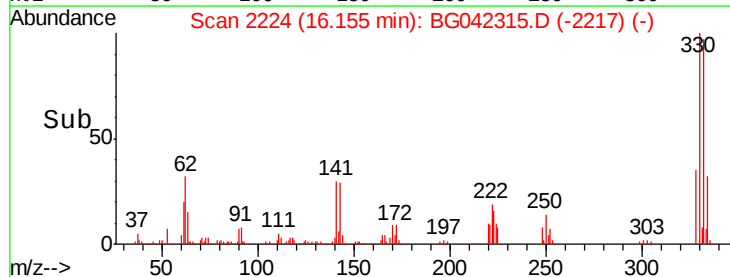


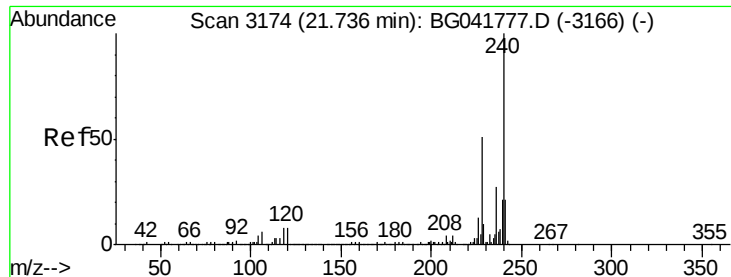
#67
 4-Bromophenyl-phenylether
 Concen: 5.367 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042315.D
 Acq: 18 Aug 2019 9:24

Tgt Ion:248 Resp: 25927
 Ion Ratio Lower Upper
 248 100
 250 188.6 78.1 117.1#
 141 396.8 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

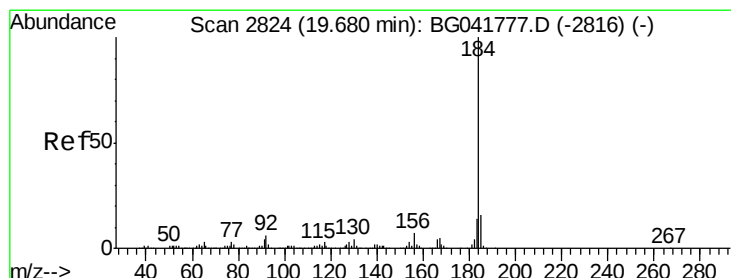
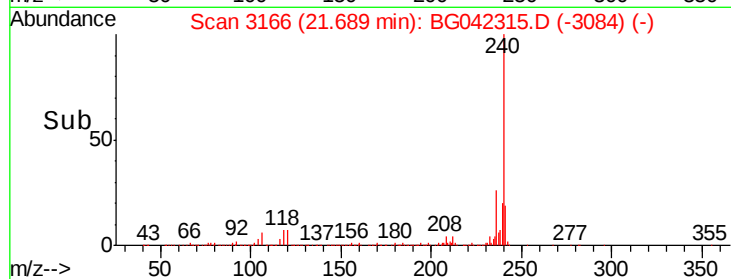
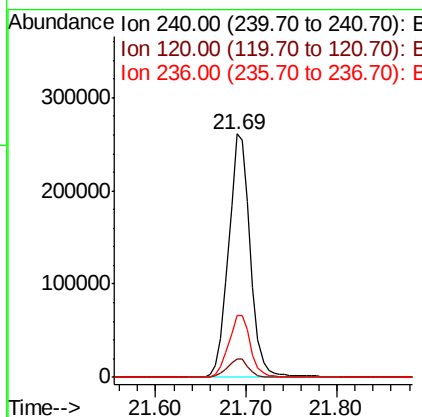
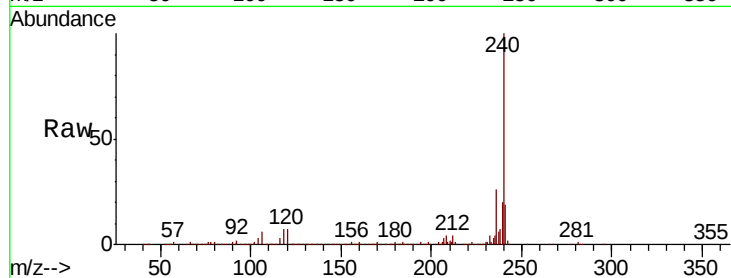




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.05 min
Lab File: BG042315.D
Acq: 18 Aug 2019 9:24

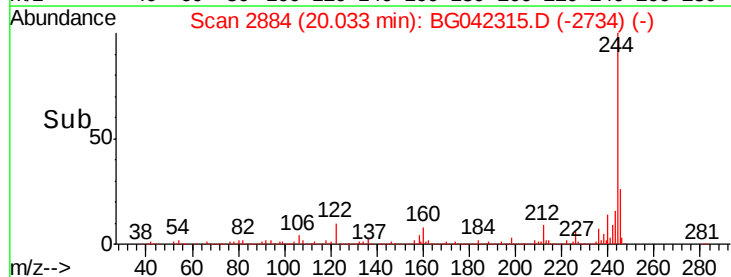
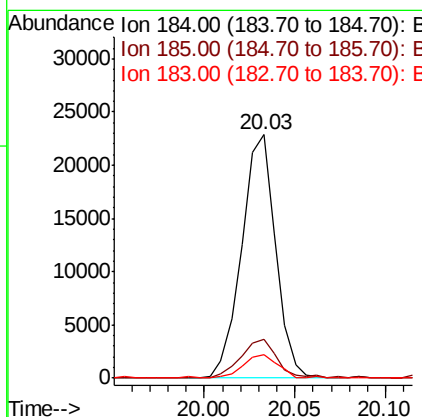
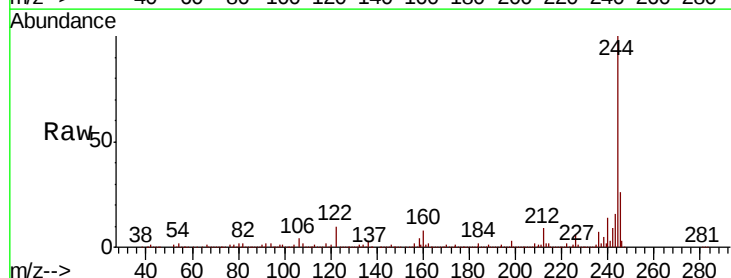
Instrument :
BNA_G
ClientSampleId :
T8-C1-(0-4)

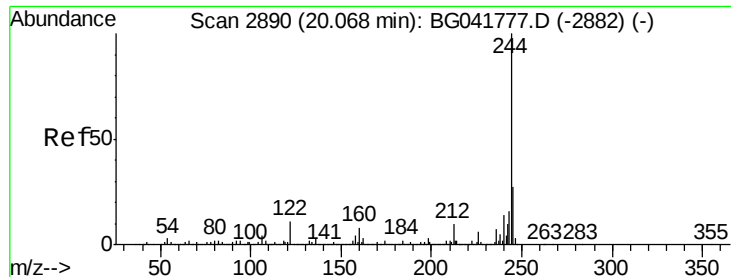
Tgt Ion:240 Resp: 434793
Ion Ratio Lower Upper
240 100
120 7.4 8.0 12.0#
236 25.6 22.6 33.8



#77
Benzidine
Concen: 2.097 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.35 min
Lab File: BG042315.D
Acq: 18 Aug 2019 9:24

Tgt Ion:184 Resp: 29759
Ion Ratio Lower Upper
184 100
185 15.8 13.0 19.4
183 9.5 11.8 17.6#





#79

Terphenyl-d14

Concen: 104.260 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

Instrument :

BNA_G

ClientSampleId :

T8-C1-(0-4)

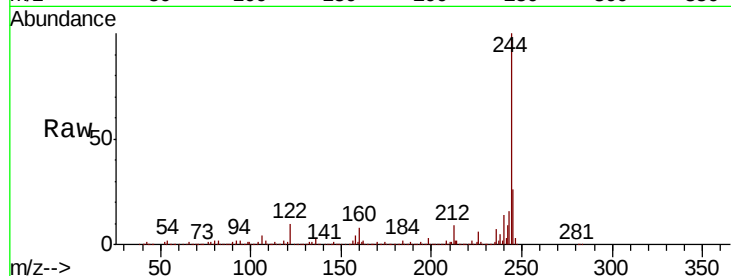
Tgt Ion:244 Resp: 1981051

Ion Ratio Lower Upper

244 100

212 8.9 9.7 14.5#

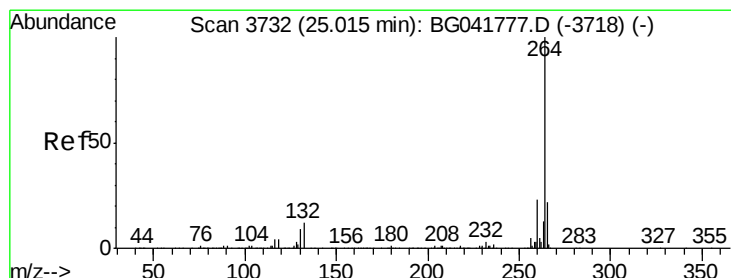
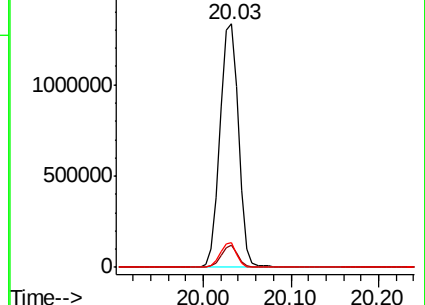
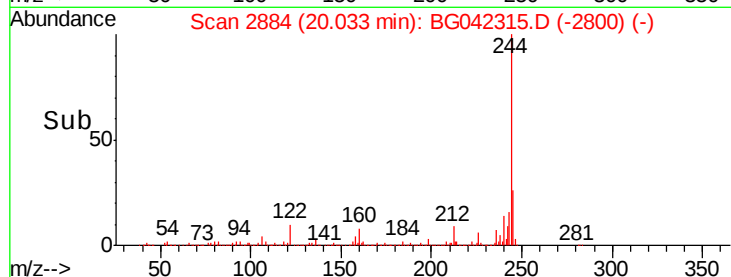
122 9.9 12.5 18.7#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. -0.08 min

Lab File: BG042315.D

Acq: 18 Aug 2019 9:24

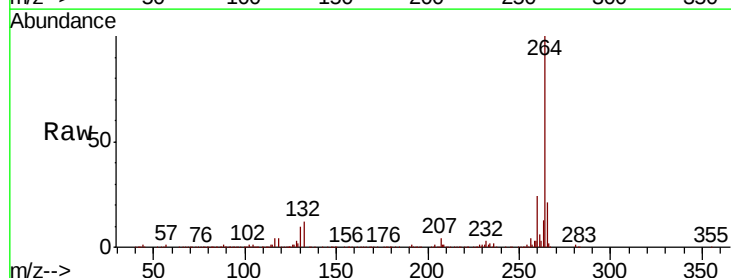
Tgt Ion:264 Resp: 499305

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 21.4 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

