

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042297.D
 Acq On : 17 Aug 2019 19:18
 Operator : HP/JU
 Sample : K4228-32
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 2S-I1-I4-COMP-(0-1)

Quant Time: Aug 19 05:59:12 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

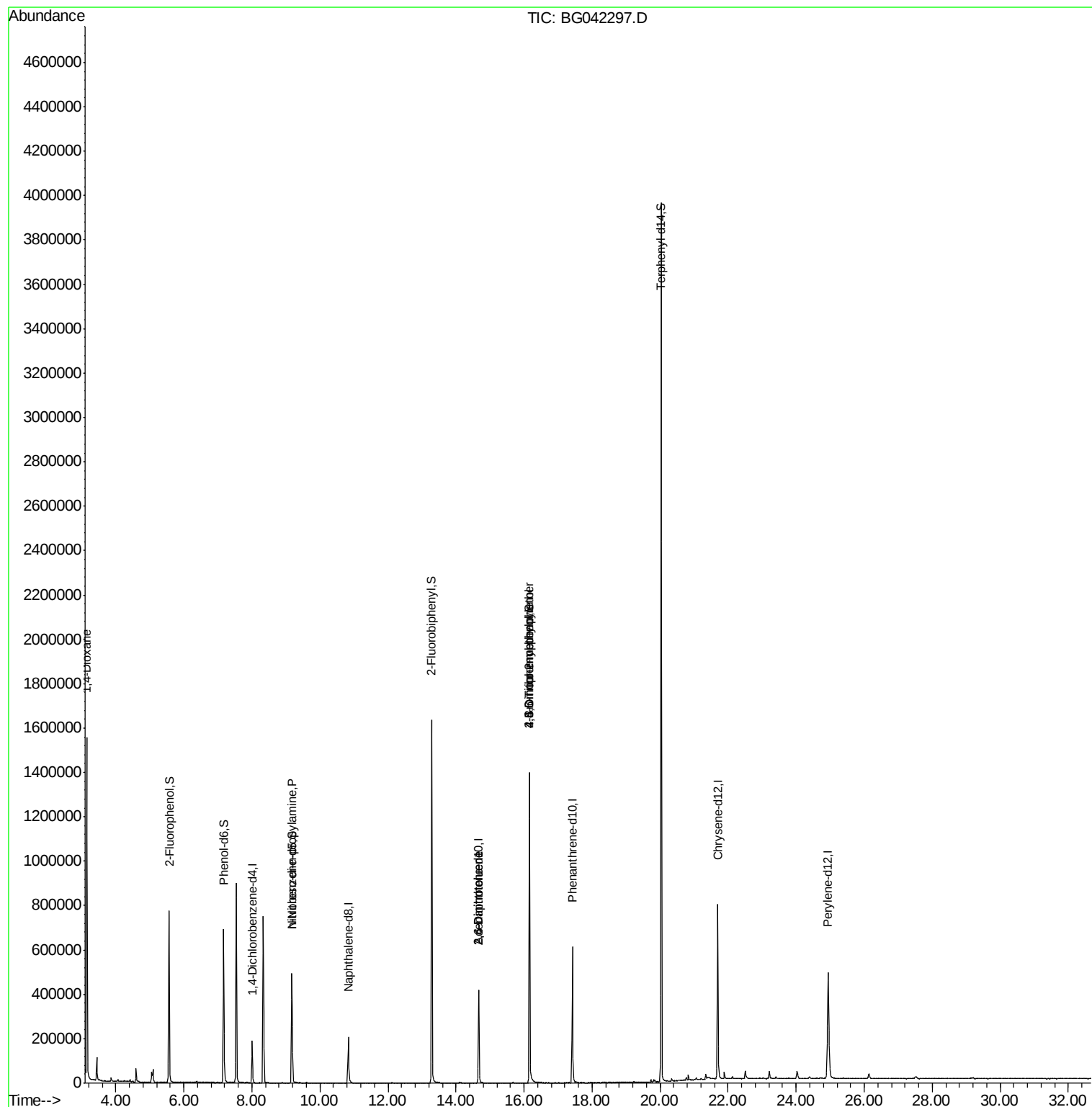
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	65927	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	240790	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	172352	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	431135	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	509918	20.00	ng	-0.04
87) Perylene-d12	24.94	264	579238	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	397838	117.41	ng	-0.03
7) Phenol-d6	7.17	99	479704	105.01	ng	-0.03
23) Nitrobenzene-d5	9.18	82	336938	96.29	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	341435	174.41	ng	-0.03
45) 2-Fluorobiphenyl	13.28	172	1007794	103.13	ng	-0.04
79) Terphenyl-d14	20.03	244	2028161	91.01	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	3.14	88	15909	9.975	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	43372	13.077	ng	# 63
51) 2,6-Dinitrotoluene	14.67	165	22631	9.195	ng	# 26
57) 2,4-Dinitrotoluene	14.67	165	22629	6.685	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.16	198	894	7.216	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	24207	4.558	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: 8.01 min Scan# 837

Delta R.T. -0.04 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

2S-I1-I4-COMP-(0-1)

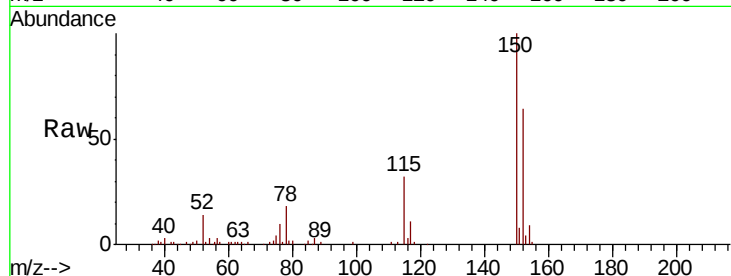
Tgt Ion:152 Resp: 65927

Ion Ratio Lower Upper

152 100

150 157.2 126.9 190.3

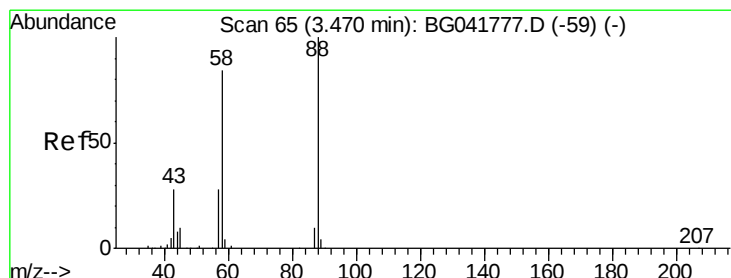
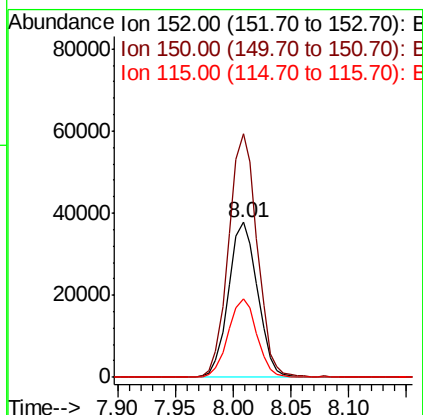
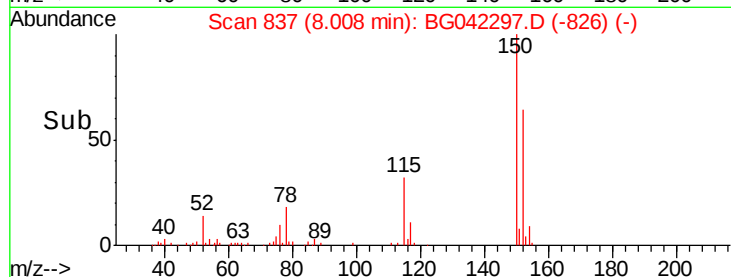
115 50.8 45.0 67.6



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



#2

1,4-Dioxane

Concen: 9.975 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

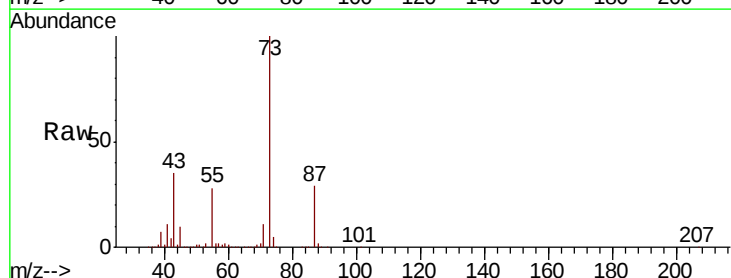
Tgt Ion: 88 Resp: 15909

Ion Ratio Lower Upper

88 100

58 26.9 76.2 114.2#

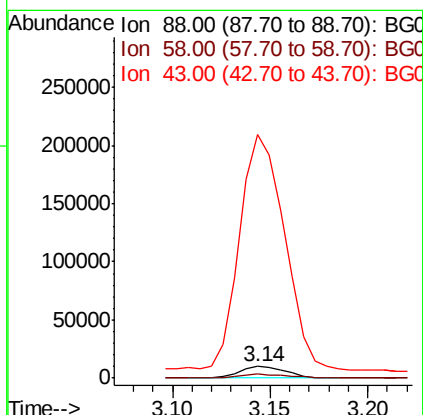
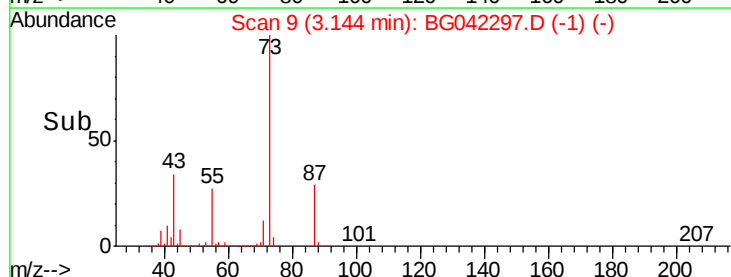
43 2129.4 27.2 40.8#

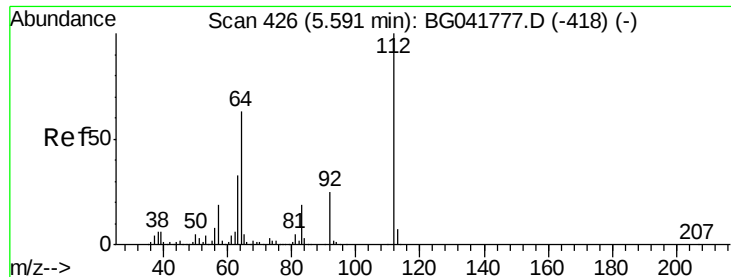


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 117.409 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

2S-I1-I4-COMP-(0-1)

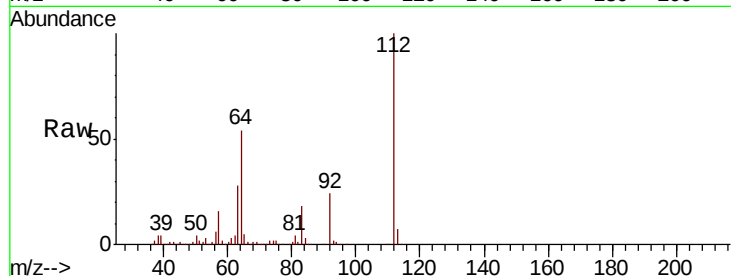
Tgt Ion:112 Resp: 397838

Ion Ratio Lower Upper

112 100

64 54.0 55.4 83.2#

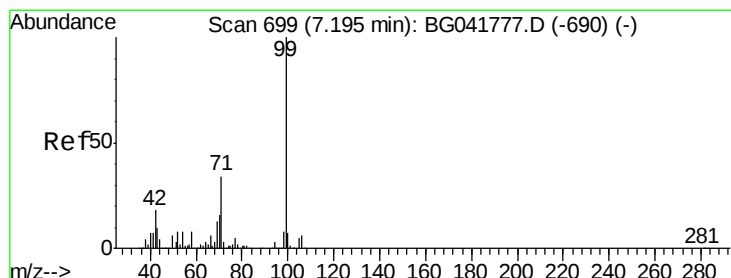
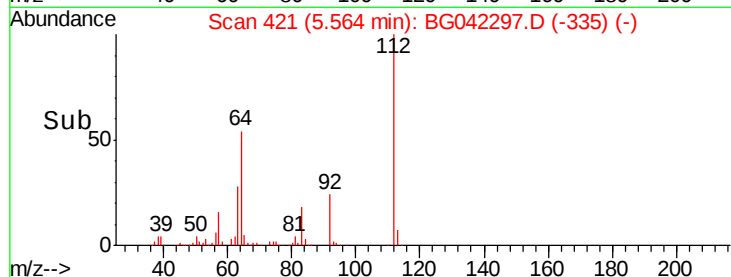
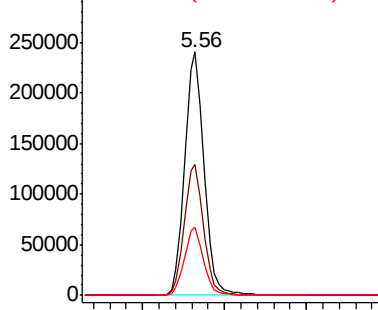
63 28.0 29.1 43.7#



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: 105.009 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

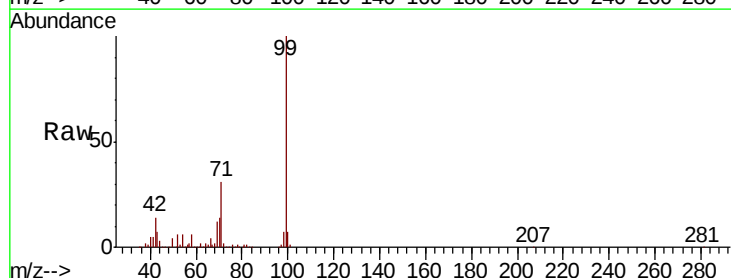
Tgt Ion: 99 Resp: 479704

Ion Ratio Lower Upper

99 100

42 14.0 17.6 26.4#

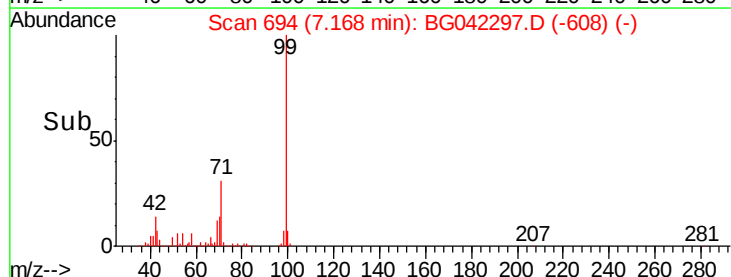
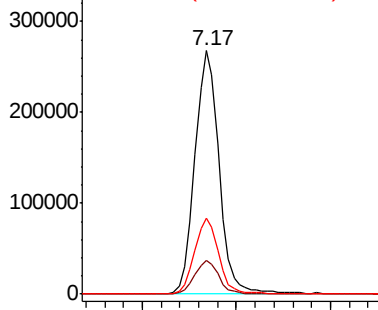
71 31.2 27.8 41.6

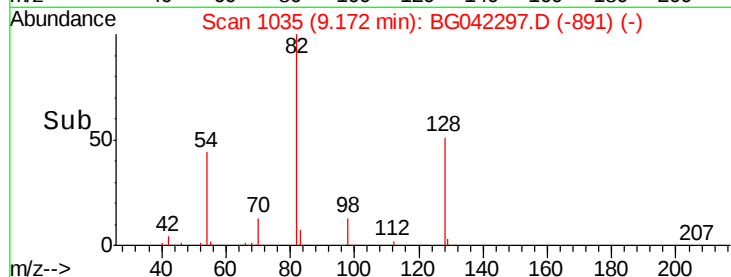
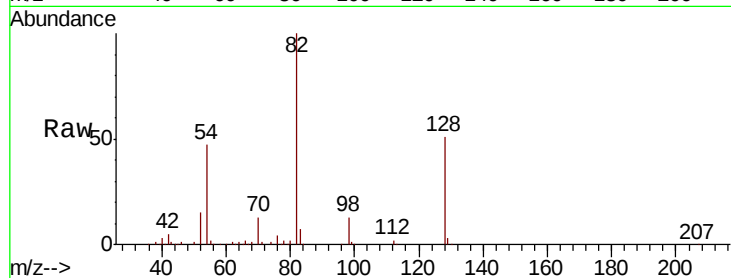
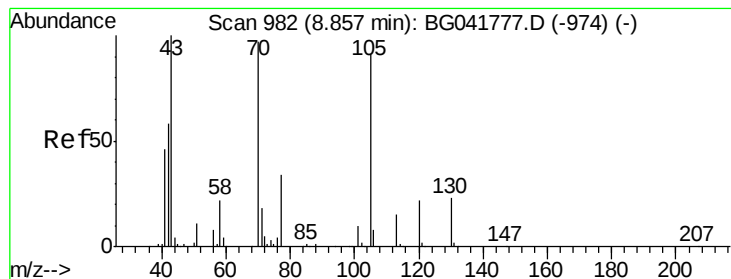


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 13.077 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.31 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

2S-I1-I4-COMP-(0-1)

Tgt Ion: 70 Resp: 43372

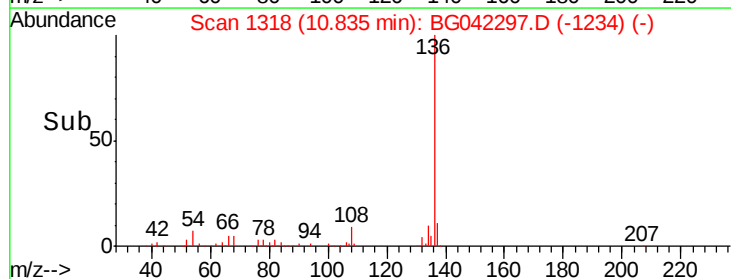
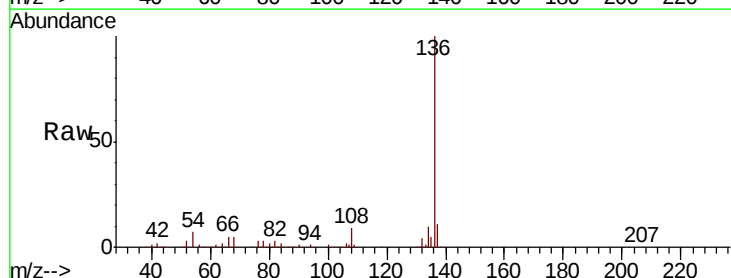
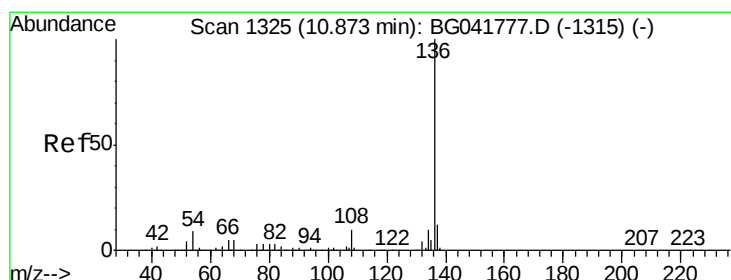
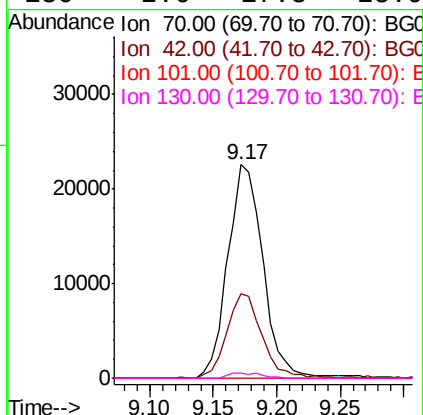
Ion Ratio Lower Upper

70 100

42 39.6 55.8 83.6#

101 0.0 8.1 12.1#

130 2.6 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.04 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

Tgt Ion: 136 Resp: 240790

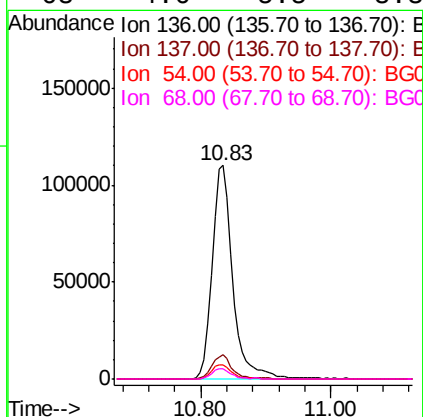
Ion Ratio Lower Upper

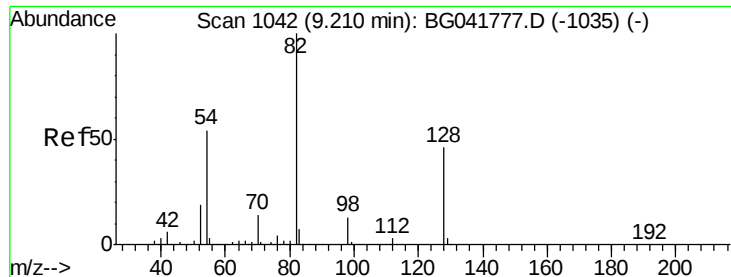
136 100

137 11.3 9.2 13.8

54 6.8 8.7 13.1#

68 4.6 5.5 8.3#

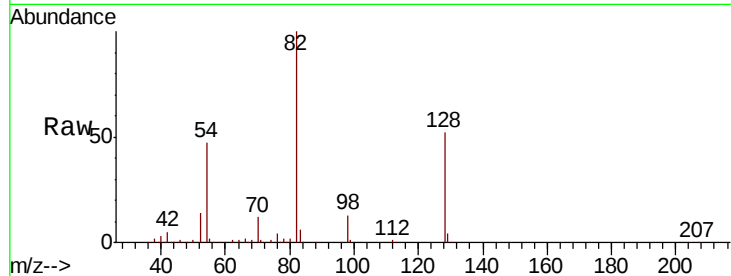




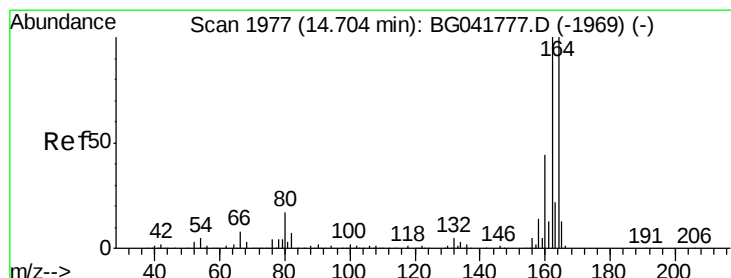
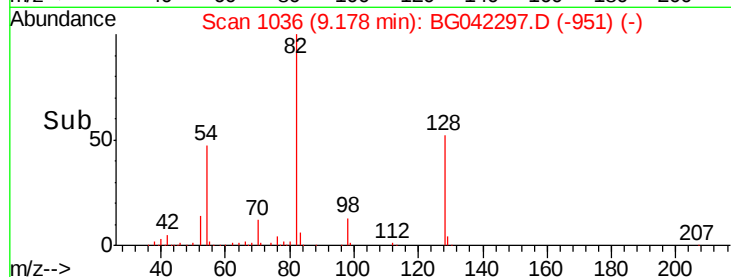
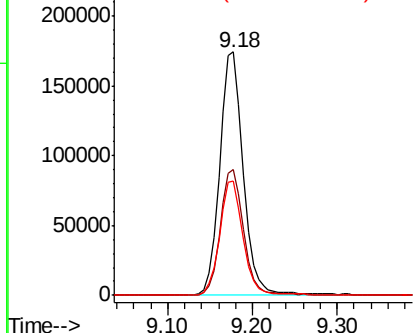
#23
Nitrobenzene-d5
Concen: 96.295 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BG042297.D
Acq: 17 Aug 2019 19:18

Instrument :
BNA_G
ClientSampleId :
2S-I1-I4-COMP-(0-1)

Tgt Ion: 82 Resp: 336938
Ion Ratio Lower Upper
82 100
128 51.6 35.1 52.7
54 46.7 48.7 73.1#

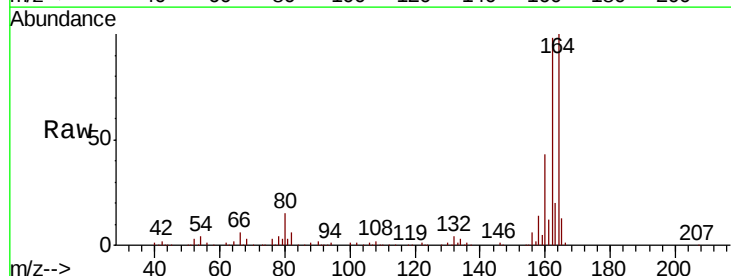


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

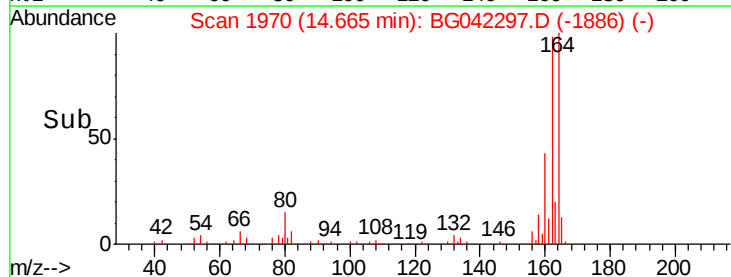
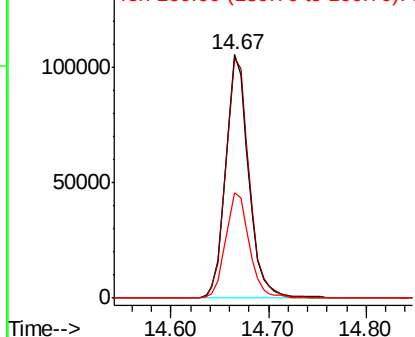


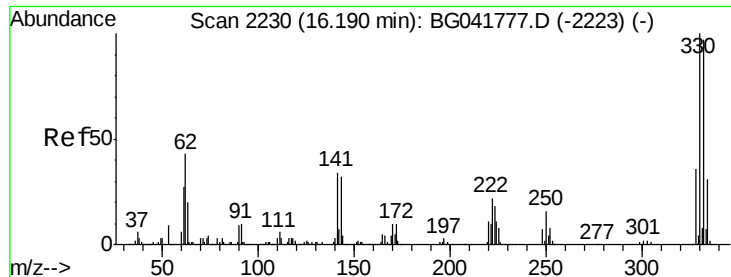
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.04 min
Lab File: BG042297.D
Acq: 17 Aug 2019 19:18

Tgt Ion: 164 Resp: 172352
Ion Ratio Lower Upper
164 100
162 98.2 79.6 119.4
160 43.4 35.4 53.0



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

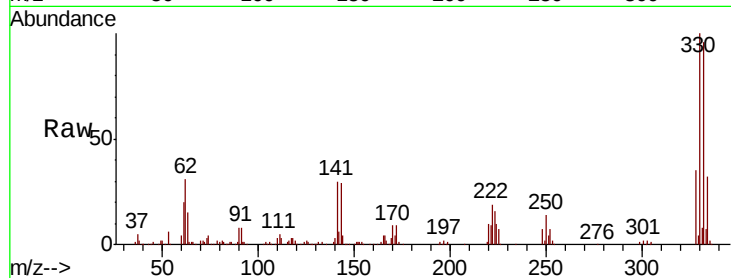




#42
 2,4,6-Tribromophenol
 Concen: 174.408 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.03 min
 Lab File: BG042297.D
 Acq: 17 Aug 2019 19:18

Instrument :
 BNA_G
 ClientSampleId :
 2S-I1-I4-COMP-(0-1)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.0
141	28.4	31.9	47.9#

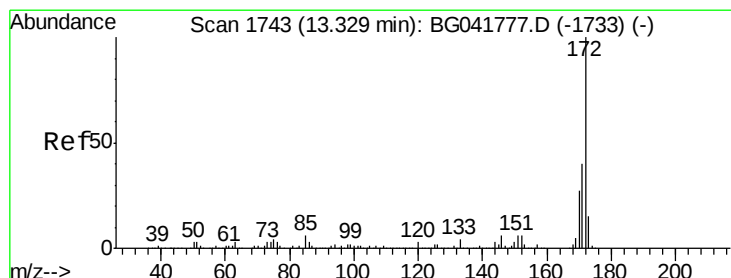
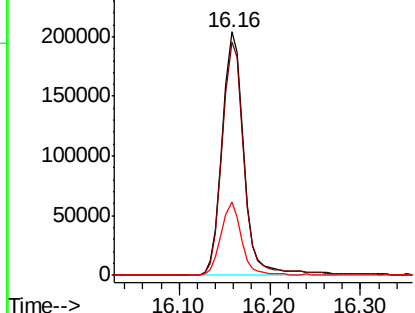
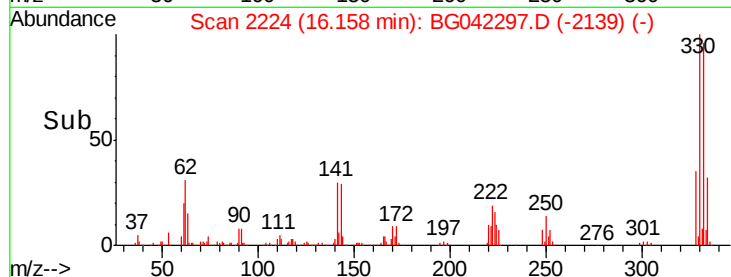


Abundance

Ion 329.80 (329.50 to 330.50): E

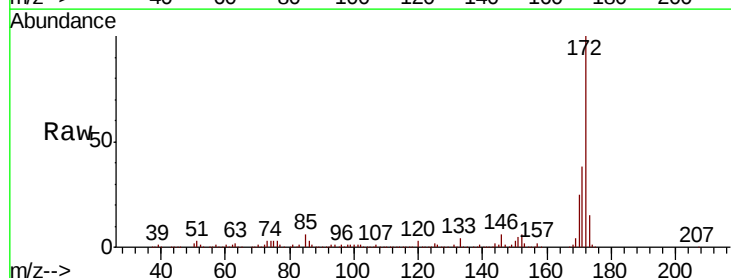
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 103.130 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.04 min
 Lab File: BG042297.D
 Acq: 17 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	35.0	52.4
170	25.0	23.5	35.3

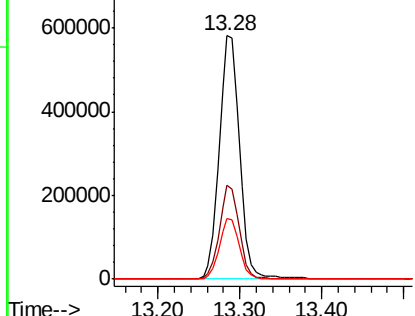
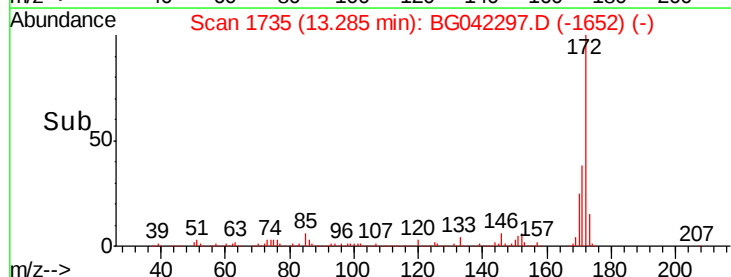


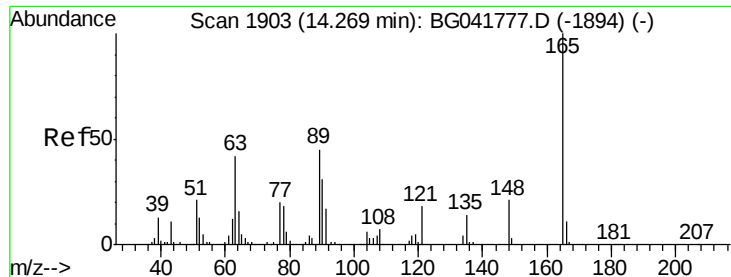
Abundance

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

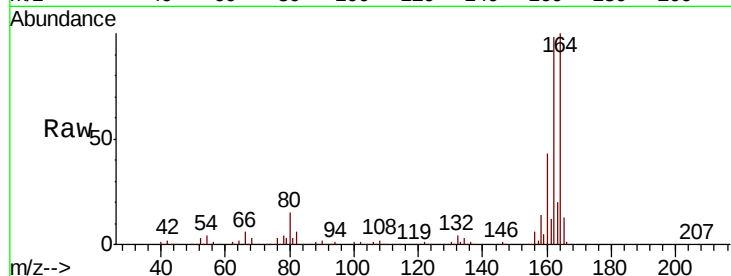




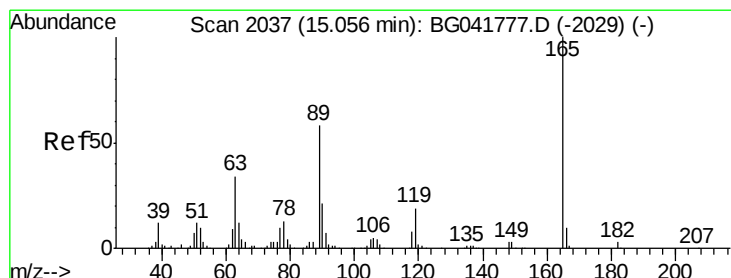
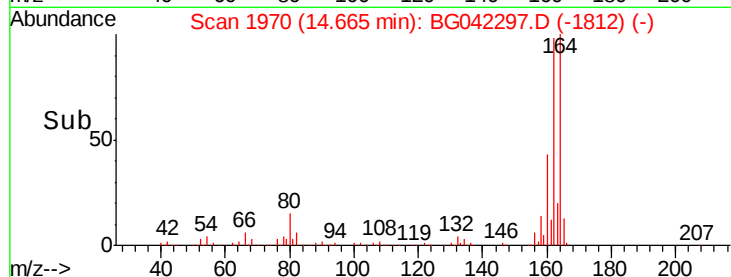
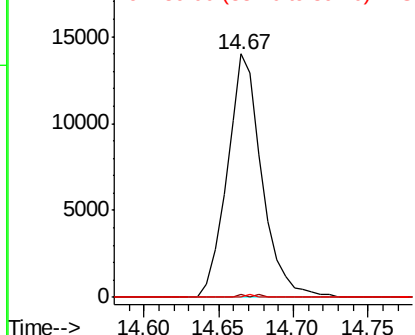
#51
 2,6-Dinitrotoluene
 Concen: 9.195 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042297.D
 Acq: 17 Aug 2019 19:18

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



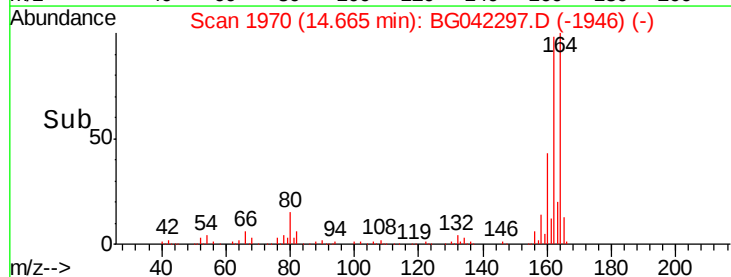
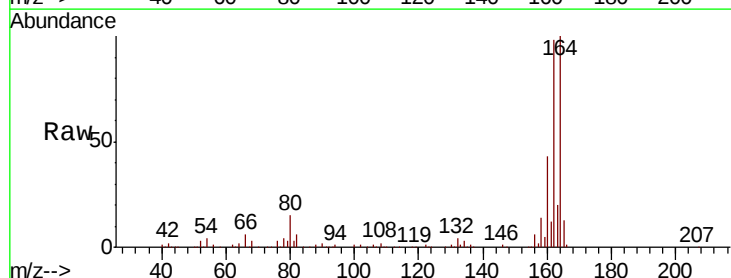
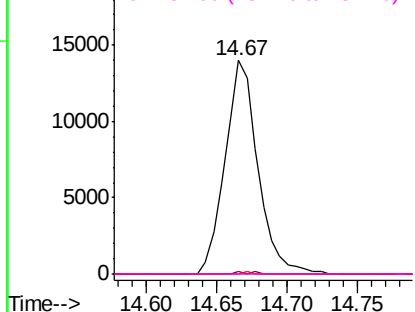
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

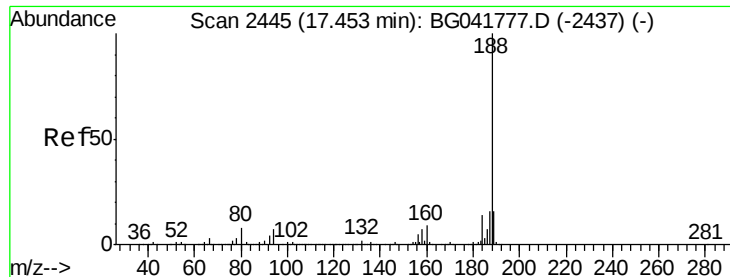


#57
 2,4-Dinitrotoluene
 Concen: 6.685 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042297.D
 Acq: 17 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	31.7	47.5#
89	0.0	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. -0.03 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

2S-I1-I4-COMP-(0-1)

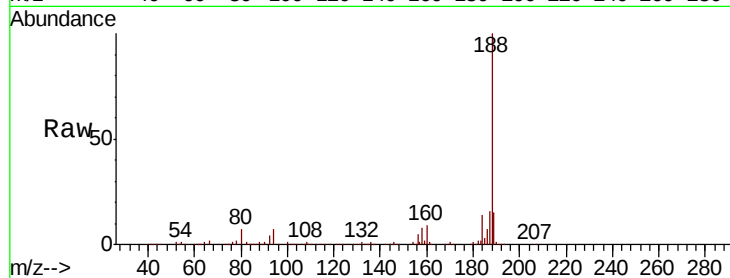
Tgt Ion:188 Resp: 431135

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

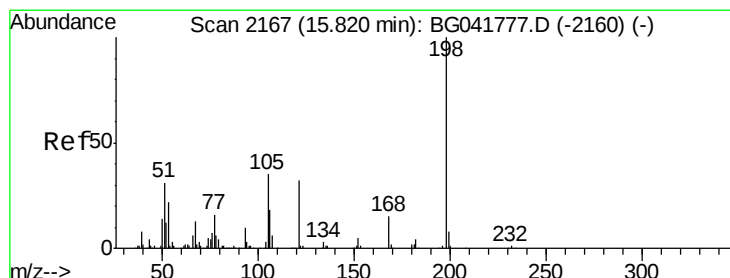
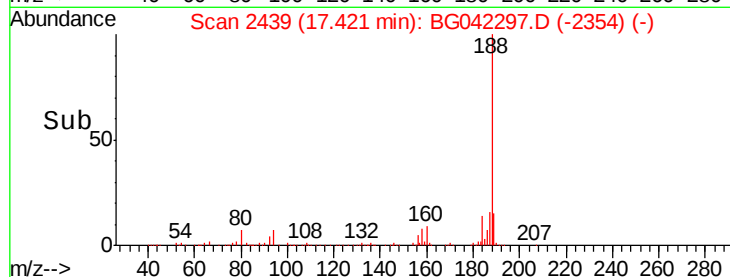
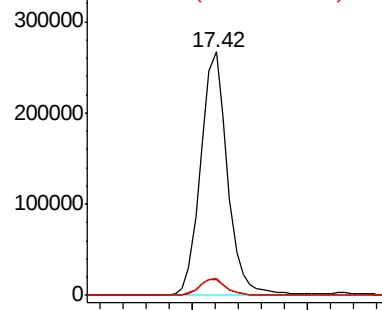
80 6.8 8.0 12.0#



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: 7.216 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

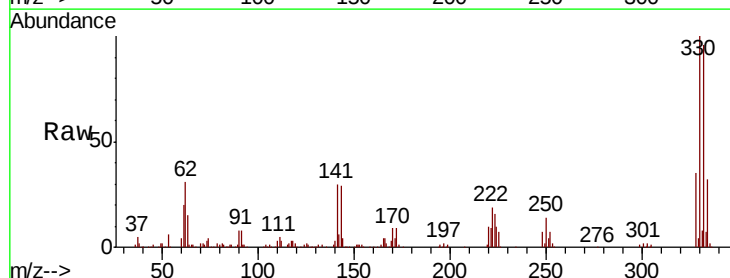
Tgt Ion:198 Resp: 894

Ion Ratio Lower Upper

198 100

51 91.8 22.3 62.3#

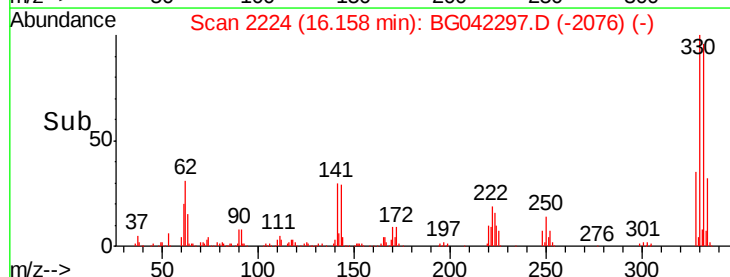
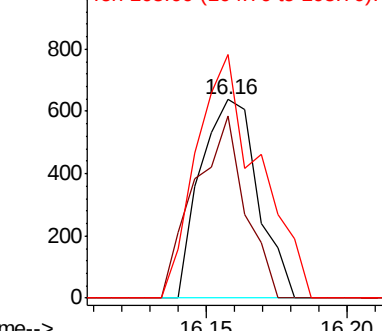
105 122.6 18.0 58.0#

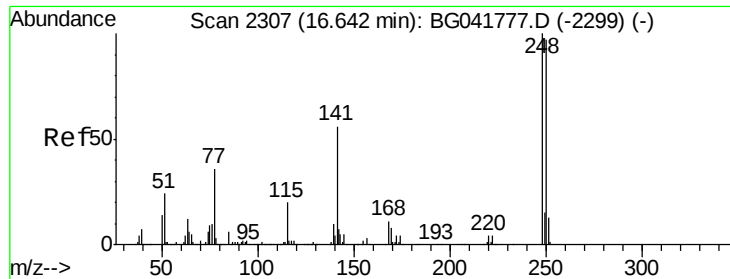


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

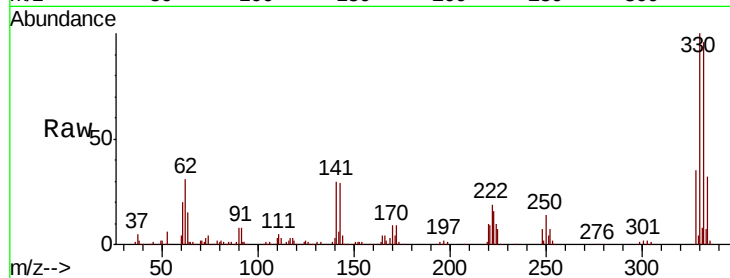




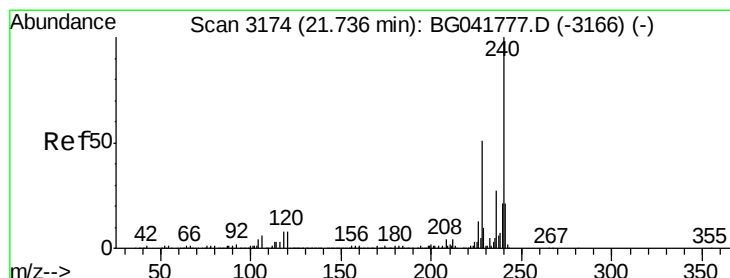
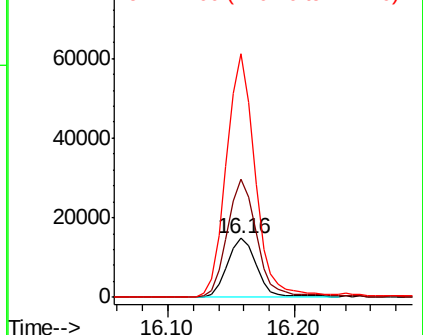
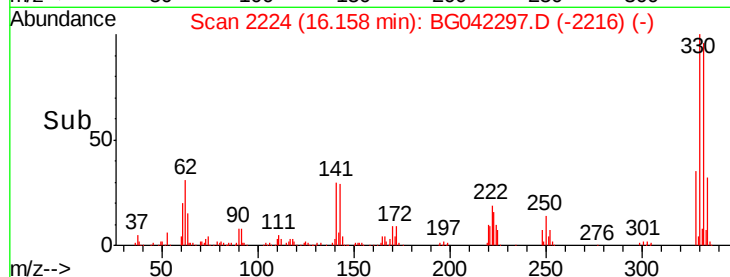
#67
 4-Bromophenyl-phenylether
 Concen: 4.558 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.48 min
 Lab File: BG042297.D
 Acq: 17 Aug 2019 19:18

Instrument :
 BNA_G
 ClientSampleId :
 2S-I1-I4-COMP-(0-1)

Tgt Ion:248 Resp: 24207
 Ion Ratio Lower Upper
 248 100
 250 199.0 78.1 117.1#
 141 411.6 49.6 74.4#

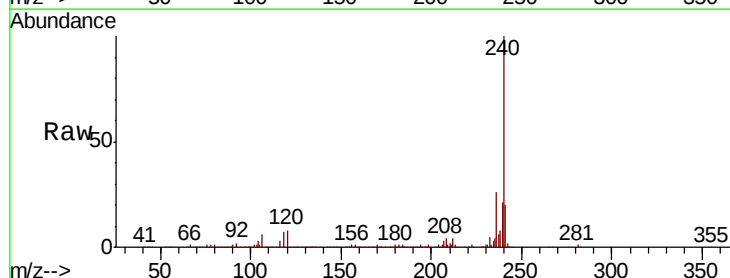


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

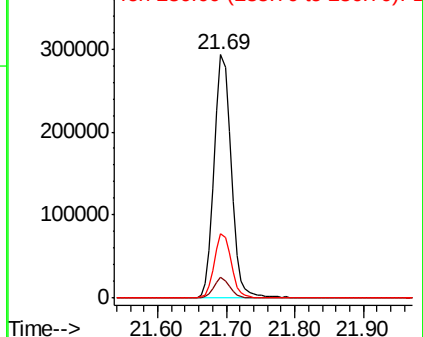
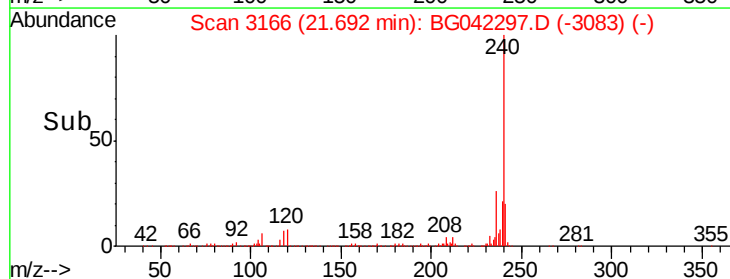


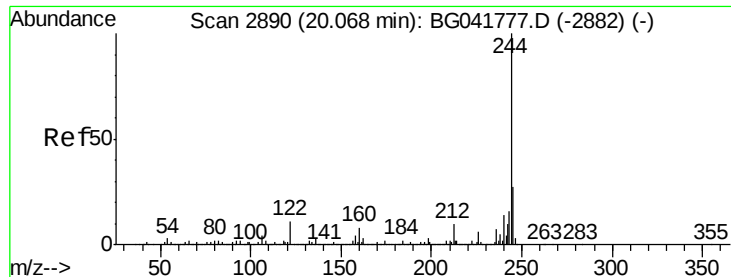
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG042297.D
 Acq: 17 Aug 2019 19:18

Tgt Ion:240 Resp: 509918
 Ion Ratio Lower Upper
 240 100
 120 8.4 8.0 12.0
 236 26.4 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: 91.014 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.04 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

2S-I1-I4-COMP-(0-1)

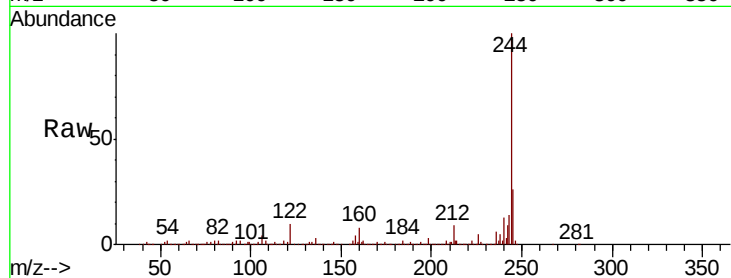
Tgt Ion:244 Resp: 2028161

Ion Ratio Lower Upper

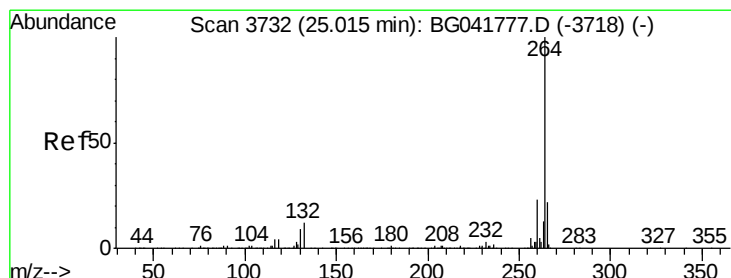
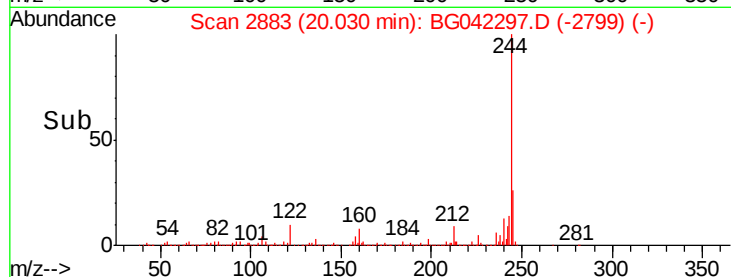
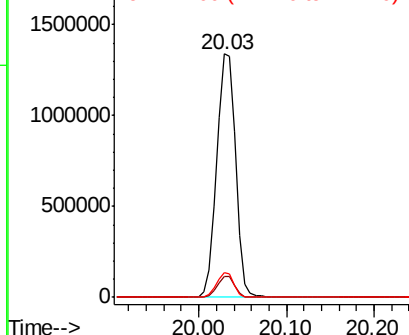
244 100

212 8.8 9.7 14.5#

122 10.3 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. -0.07 min

Lab File: BG042297.D

Acq: 17 Aug 2019 19:18

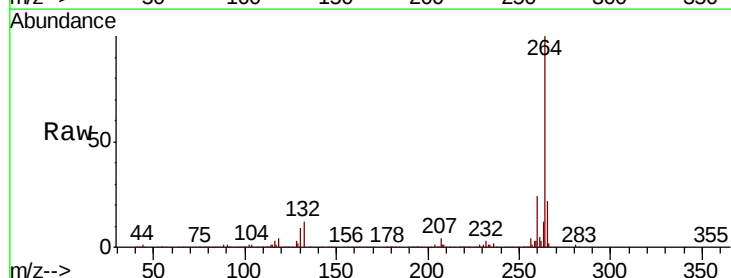
Tgt Ion:264 Resp: 579238

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 22.4 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

