

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042295.D
 Acq On : 17 Aug 2019 18:01
 Operator : HP/JU
 Sample : K3616-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-081519-B

Quant Time: Aug 19 05:58:50 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

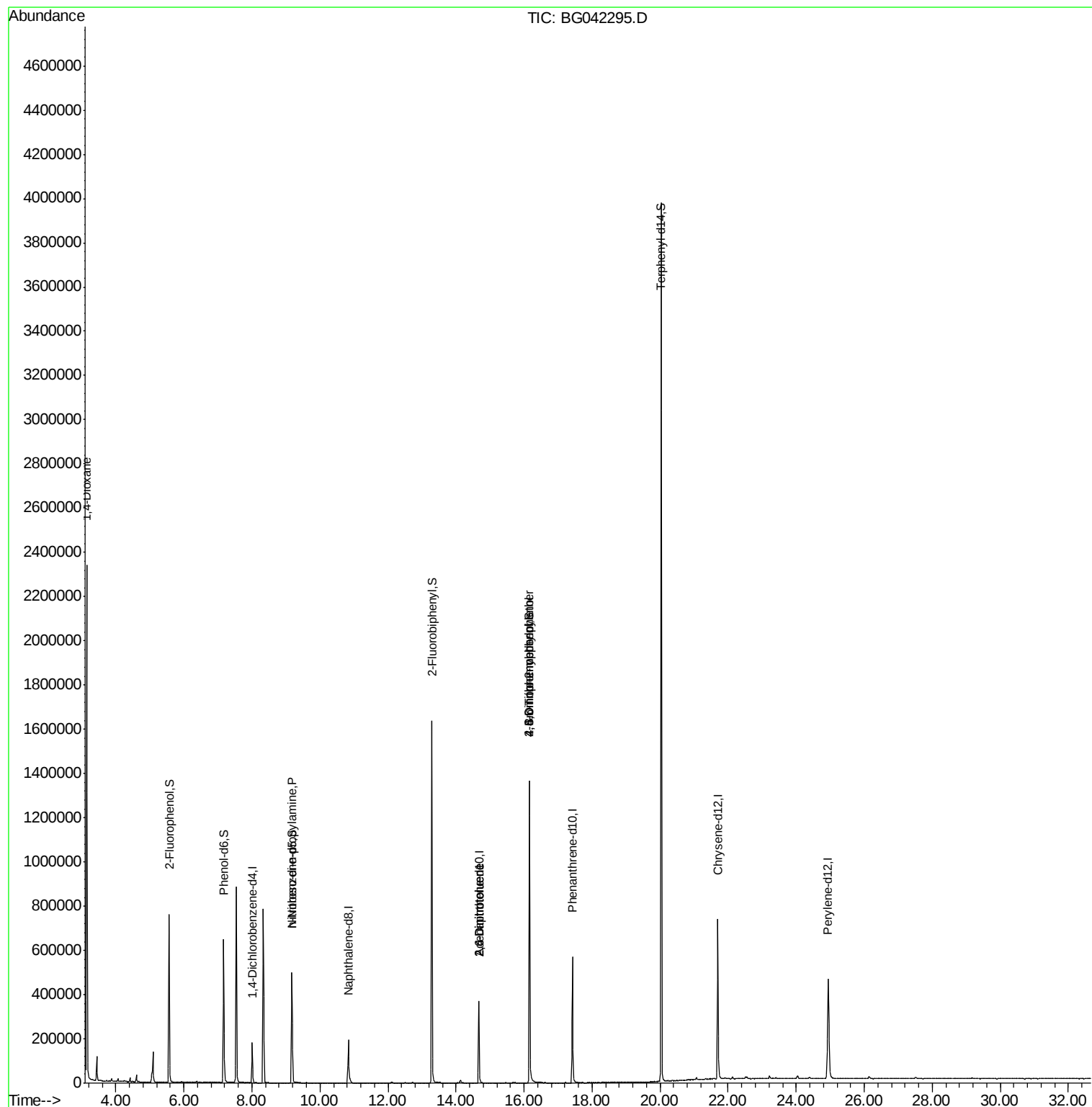
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	59876	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	221385	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	160040	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	397615	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	482603	20.00	ng	-0.04
87) Perylene-d12	24.94	264	545856	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	388181	126.14	ng	-0.03
7) Phenol-d6	7.17	99	454256	109.49	ng	-0.03
23) Nitrobenzene-d5	9.18	82	336410	104.57	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	339747	186.90	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1014303	111.78	ng	-0.04
79) Terphenyl-d14	20.03	244	2063511	97.84	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	24570	16.963	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	42121	13.984	ng	# 66
51) 2,6-Dinitrotoluene	14.66	165	20943	9.163	ng	# 27
57) 2,4-Dinitrotoluene	14.66	165	20943	6.663	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.16	198	727	7.173	ng	# 10
67) 4-Bromophenyl-phenylether	16.16	248	24385	4.979	ng	# 1

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

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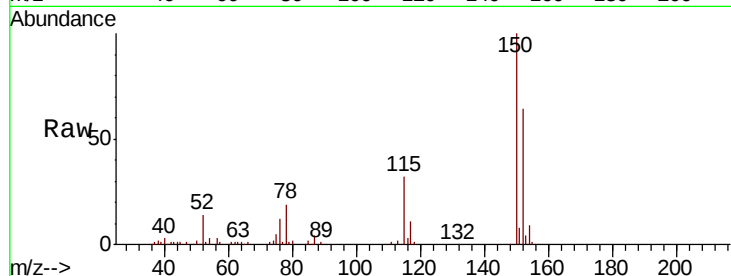


#1

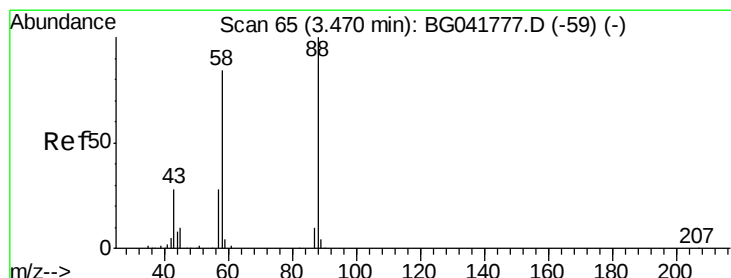
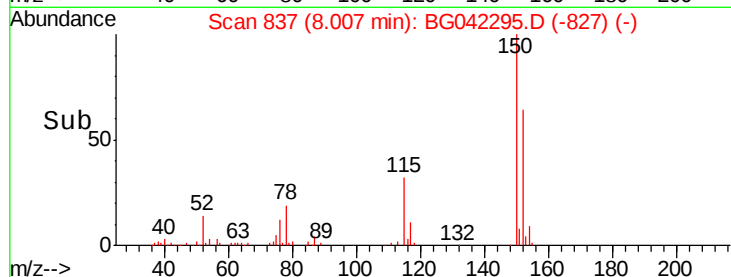
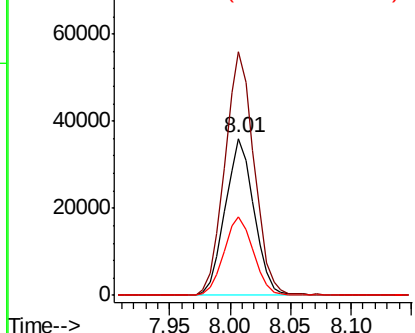
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042295.D
Acq: 17 Aug 2019 18:01

Instrument :
BNA_G
ClientSampleId :
JC-03-081519-B

Tgt Ion:152 Resp: 59876
Ion Ratio Lower Upper
152 100
150 155.3 126.9 190.3
115 50.3 45.0 67.6



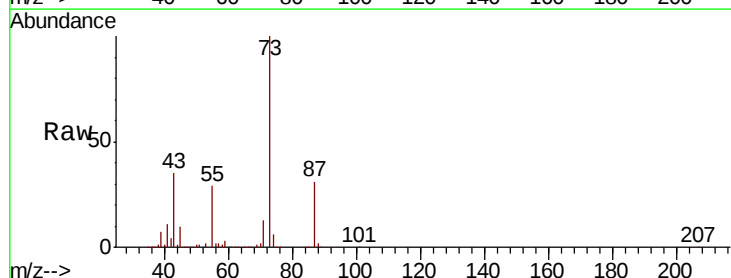
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



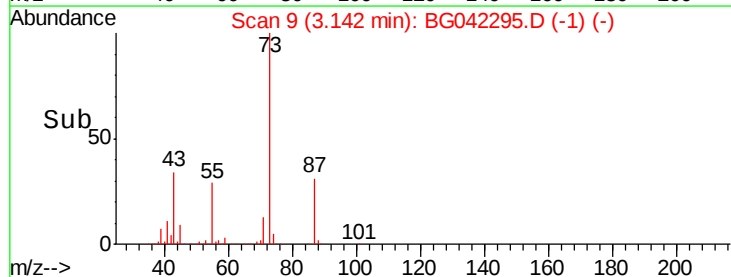
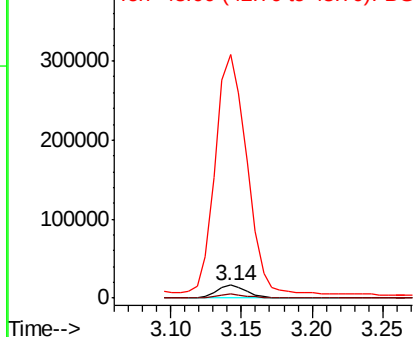
#2

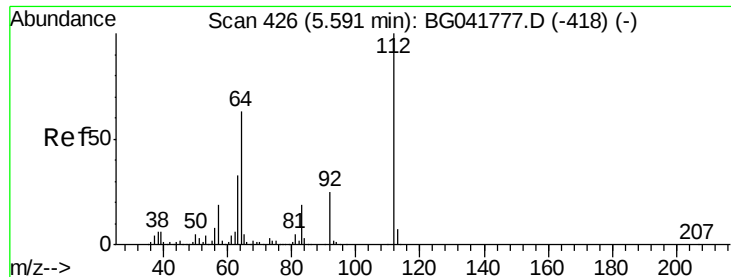
1,4-Dioxane
Concen: 16.963 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG042295.D
Acq: 17 Aug 2019 18:01

Tgt Ion: 88 Resp: 24570
Ion Ratio Lower Upper
88 100
58 23.7 76.2 114.2#
43 1959.5 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: 126.136 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

Instrument :

BNA_G

ClientSampleId :

JC-03-081519-B

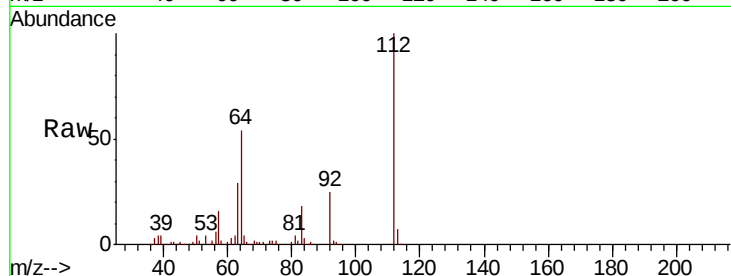
Tgt Ion:112 Resp: 388181

Ion Ratio Lower Upper

112 100

64 54.4 55.4 83.2#

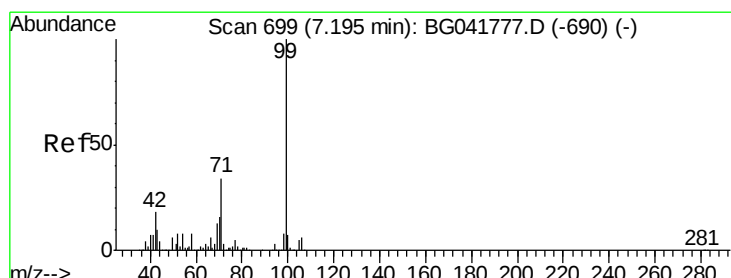
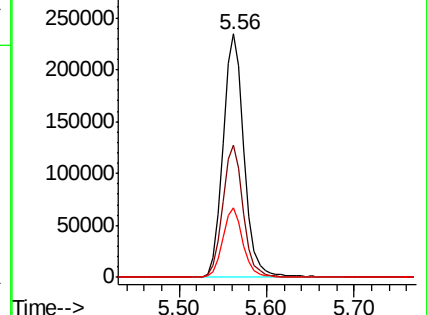
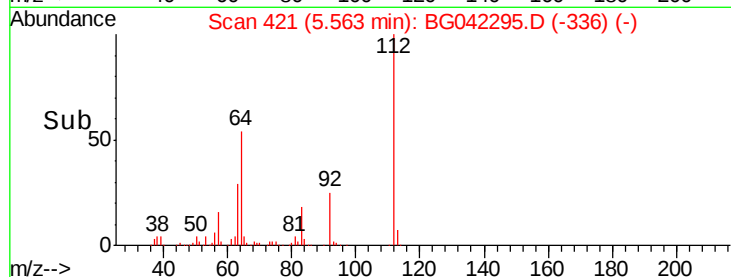
63 28.6 29.1 43.7#



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: 109.487 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

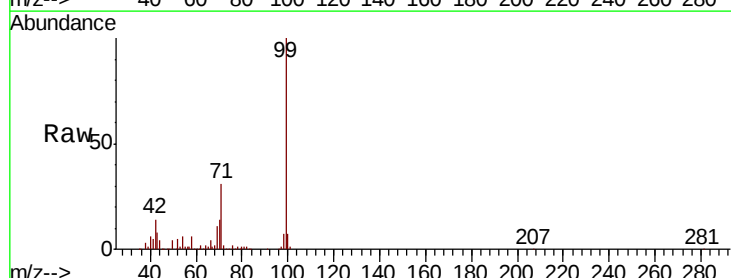
Tgt Ion: 99 Resp: 454256

Ion Ratio Lower Upper

99 100

42 13.9 17.6 26.4#

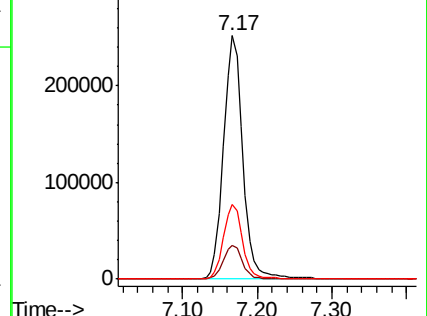
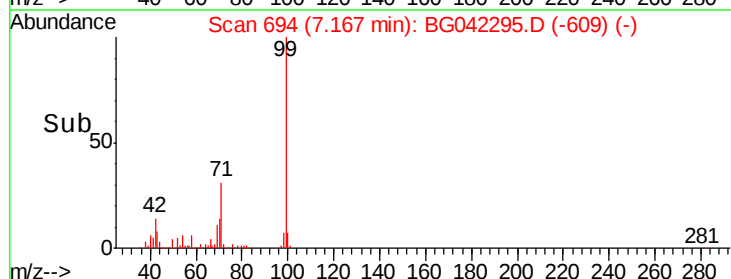
71 30.8 27.8 41.6

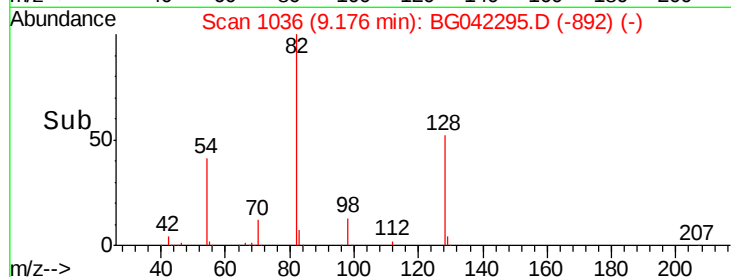
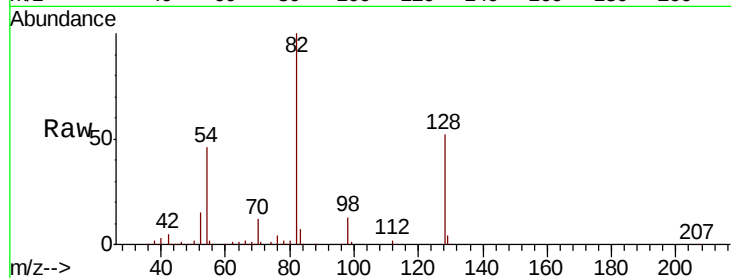
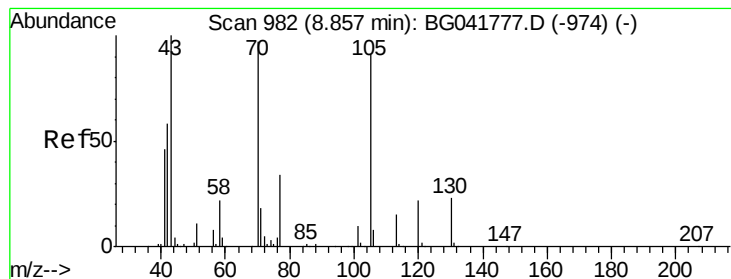


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 13.984 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

Instrument :

BNA_G

ClientSampleId :

JC-03-081519-B

Tgt Ion: 70 Resp: 42121

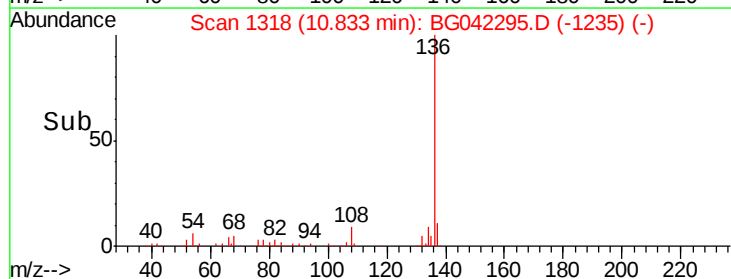
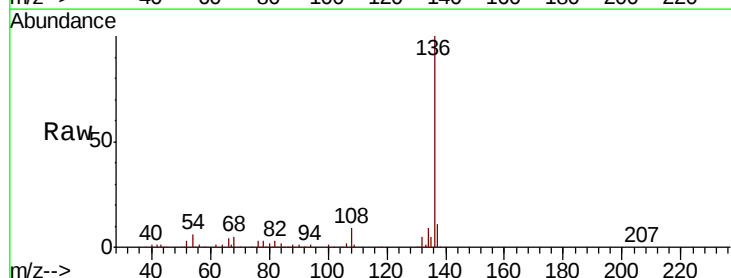
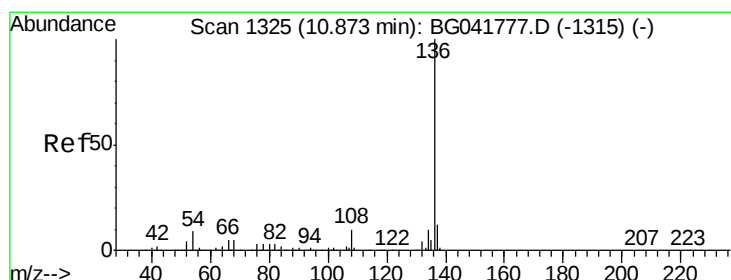
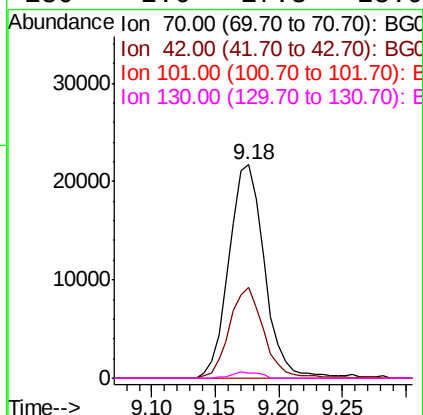
Ion Ratio Lower Upper

70 100

42 42.6 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: BG042295.D

Acq: 17 Aug 2019 18:01

Tgt Ion: 136 Resp: 221385

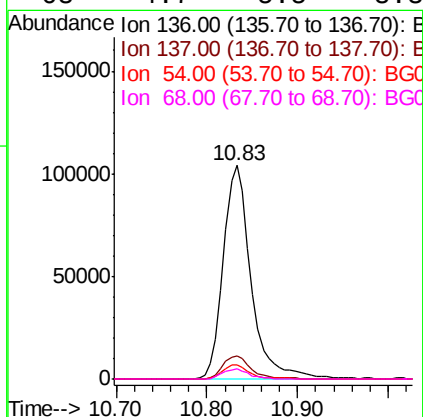
Ion Ratio Lower Upper

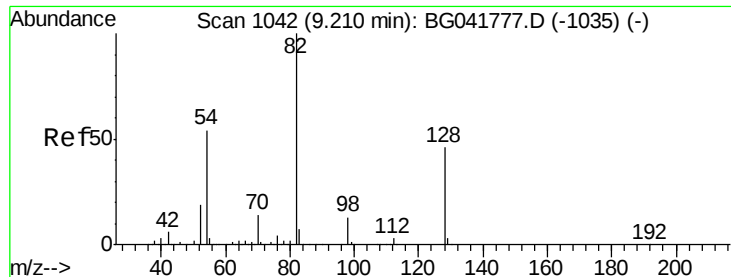
136 100

137 10.9 9.2 13.8

54 6.4 8.7 13.1#

68 4.7 5.5 8.3#

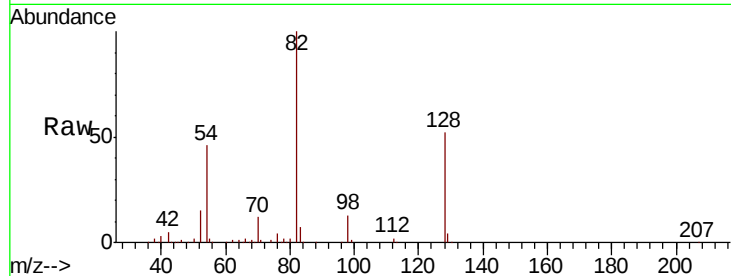




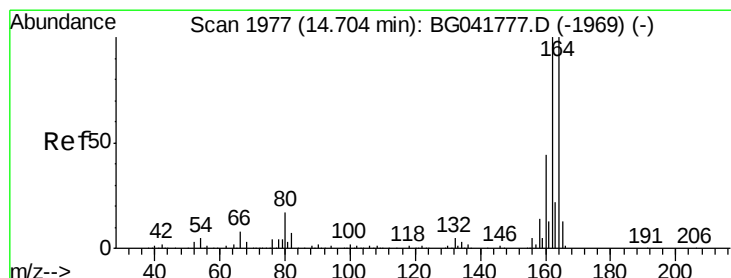
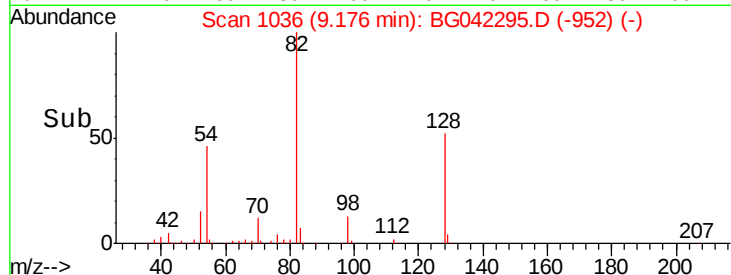
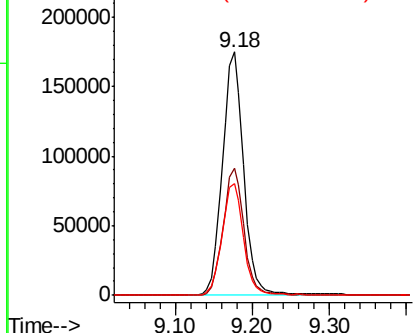
#23
Nitrobenzene-d5
Concen: 104.571 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BG042295.D
Acq: 17 Aug 2019 18:01

Instrument :
BNA_G
ClientSampleId :
JC-03-081519-B

Tgt Ion: 82 Resp: 336410
Ion Ratio Lower Upper
82 100
128 52.1 35.1 52.7
54 46.0 48.7 73.1#

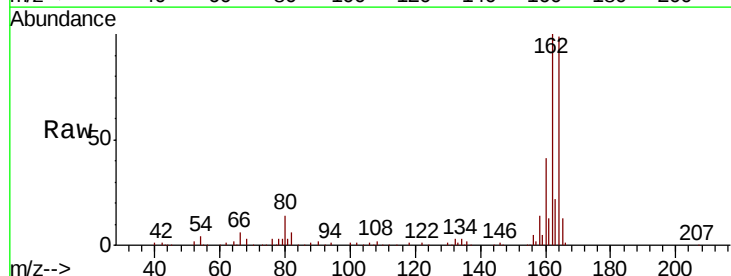


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

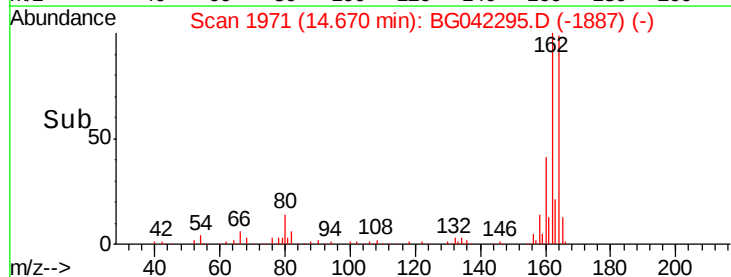
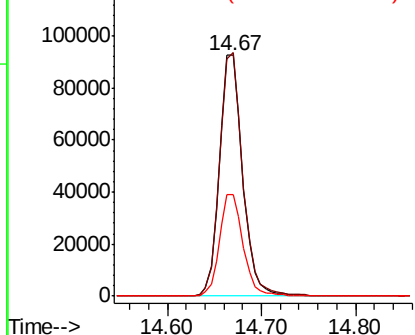


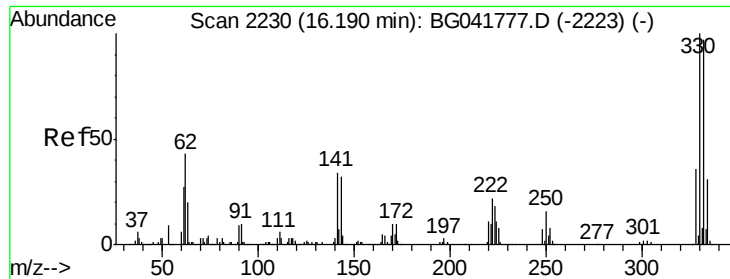
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.03 min
Lab File: BG042295.D
Acq: 17 Aug 2019 18:01

Tgt Ion: 164 Resp: 160040
Ion Ratio Lower Upper
164 100
162 101.1 79.6 119.4
160 41.9 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: 186.896 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.03 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

Instrument :

BNA_G

ClientSampleId :

JC-03-081519-B

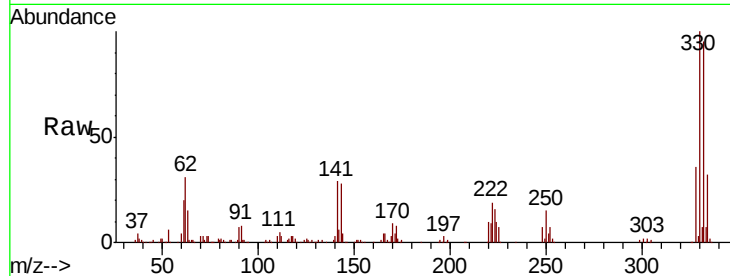
Tgt Ion:330 Resp: 339747

Ion Ratio Lower Upper

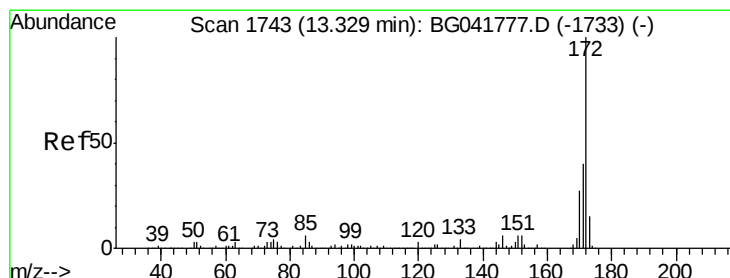
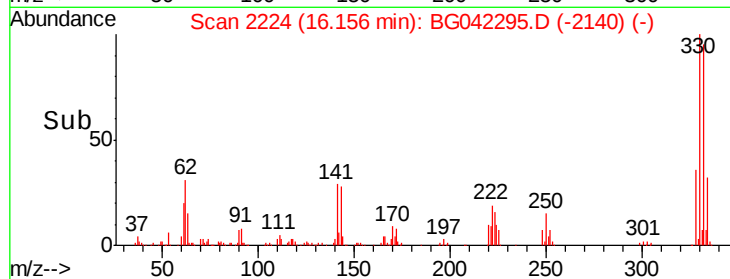
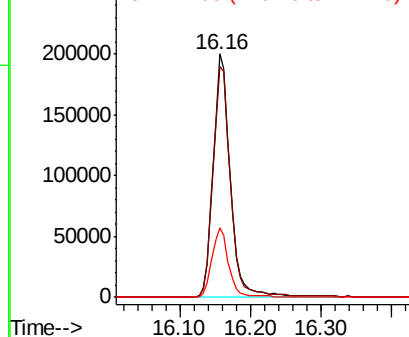
330 100

332 97.1 77.4 116.0

141 28.3 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: 111.781 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.04 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

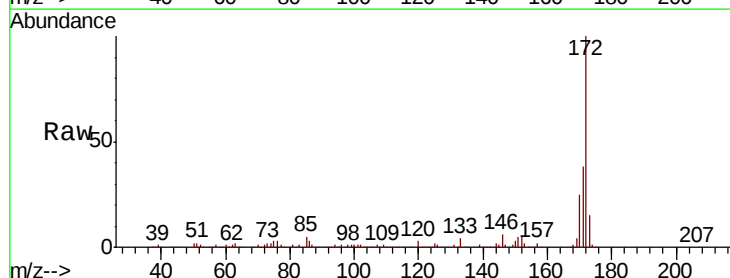
Tgt Ion:172 Resp: 1014303

Ion Ratio Lower Upper

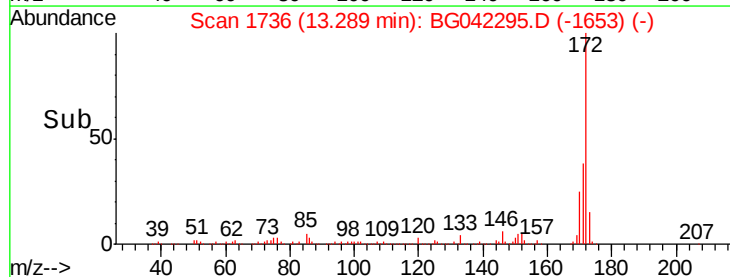
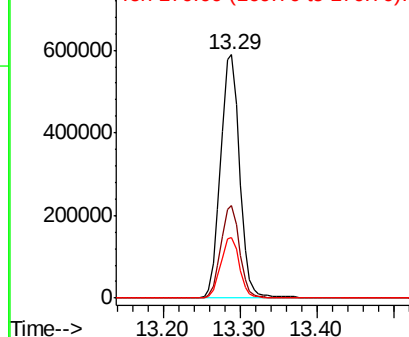
172 100

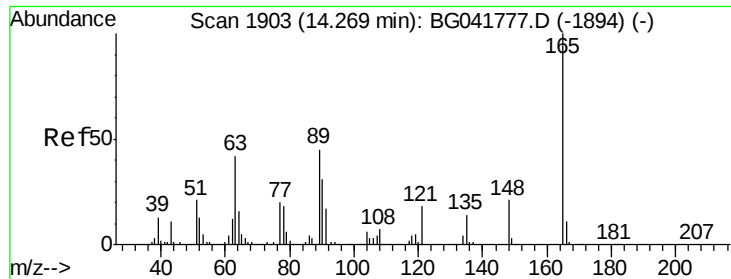
171 37.8 35.0 52.4

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

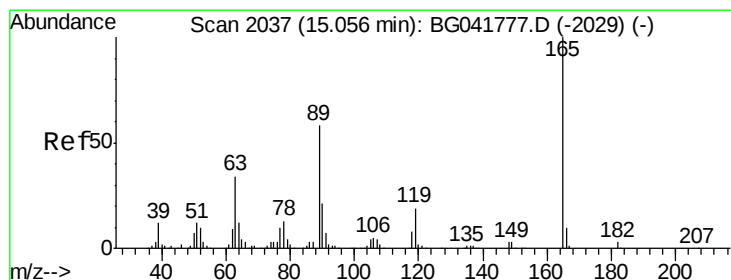
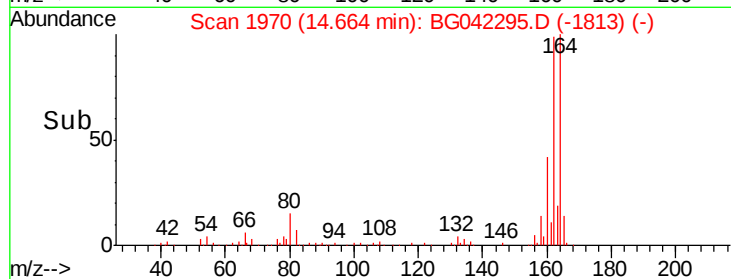
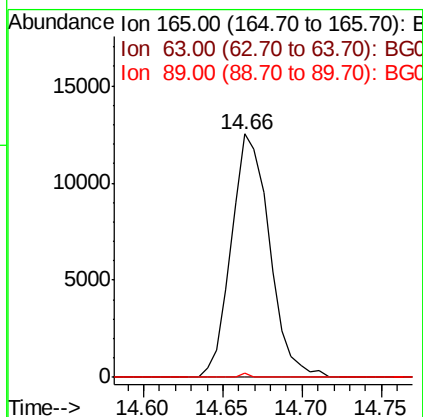
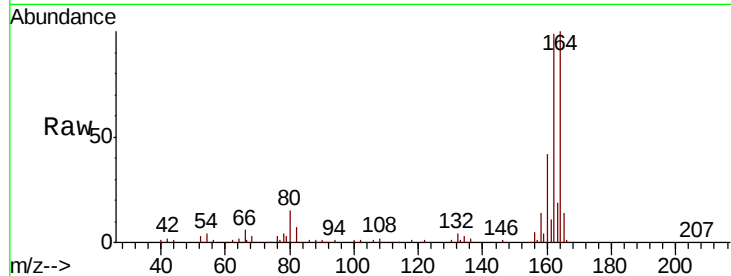




#51
 2,6-Dinitrotoluene
 Concen: 9.163 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042295.D
 Acq: 17 Aug 2019 18:01

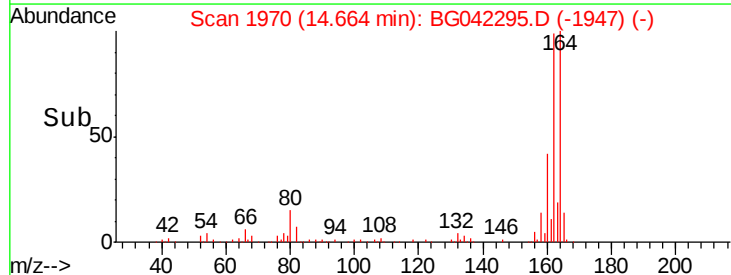
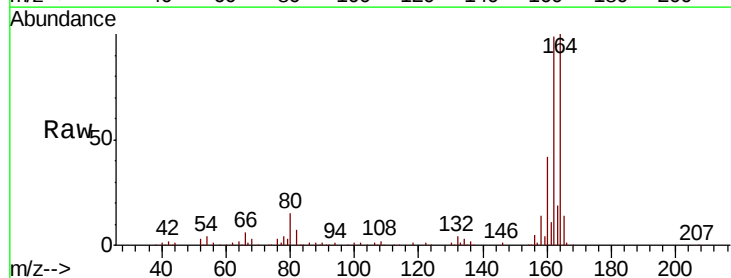
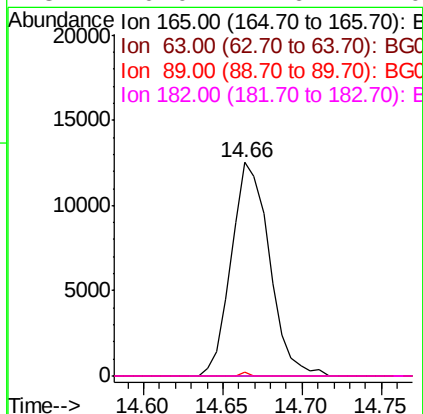
Instrument :
 BNA_G
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 JC-03-081519-B

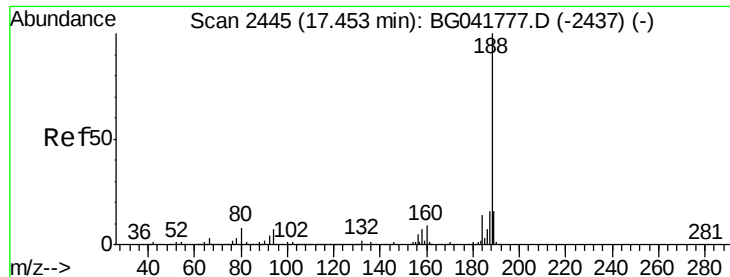
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	1.8	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.663 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042295.D
 Acq: 17 Aug 2019 18:01

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.03 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

Instrument :

BNA_G

ClientSampleId :

JC-03-081519-B

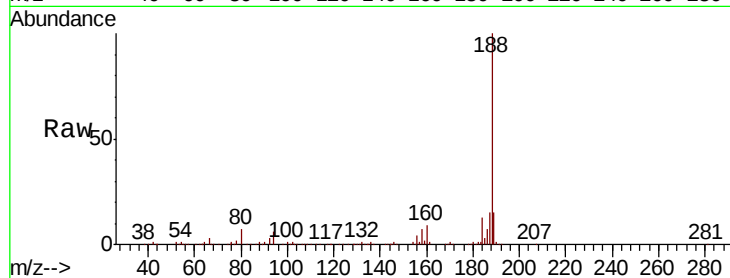
Tgt Ion:188 Resp: 397615

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

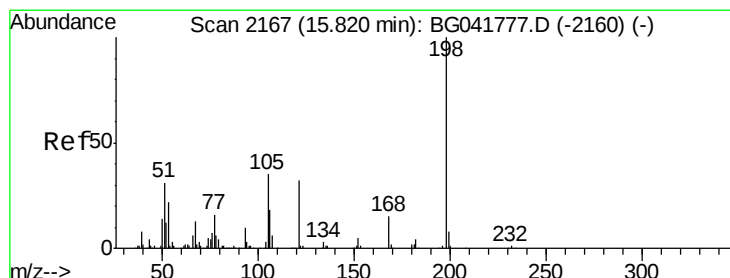
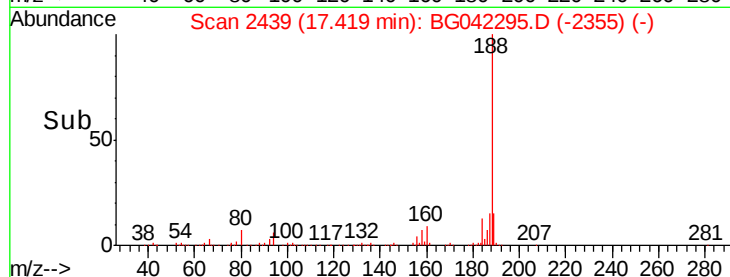
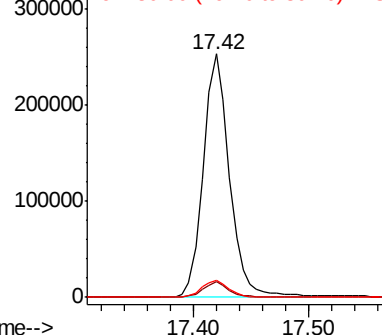
80 6.8 8.0 12.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.173 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

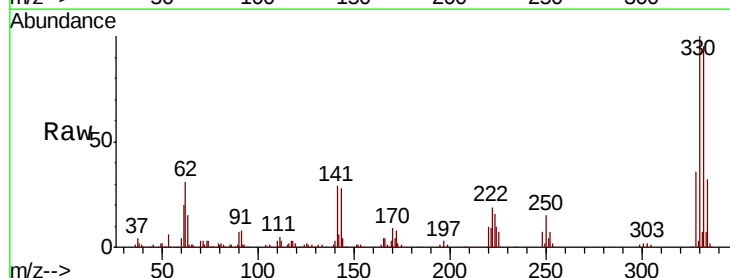
Tgt Ion:198 Resp: 727

Ion Ratio Lower Upper

198 100

51 91.9 22.3 62.3#

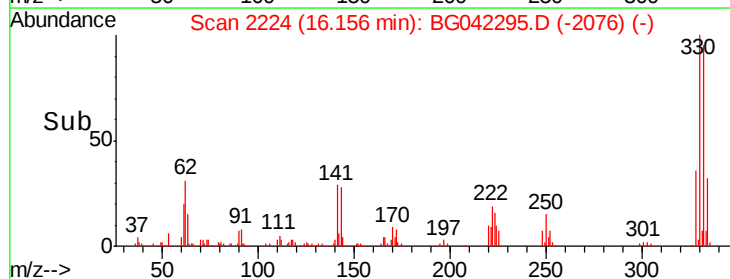
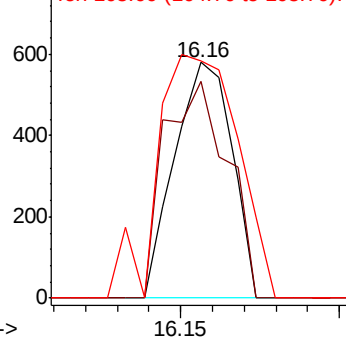
105 100.5 18.0 58.0#

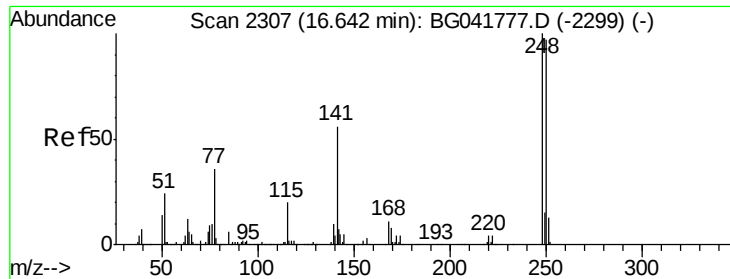


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

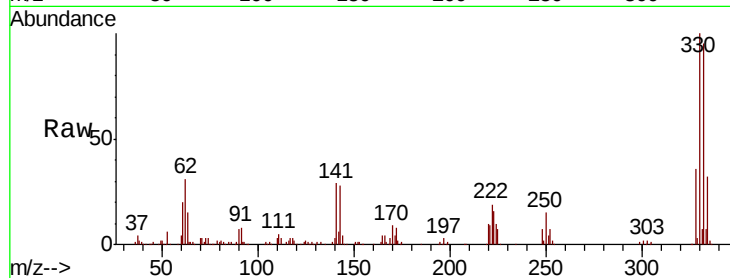




#67
 4-Bromophenyl-phenylether
 Concen: 4.979 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042295.D
 Acq: 17 Aug 2019 18:01

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-081519-B

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.9	78.1	117.1#
141	393.1	49.6	74.4#

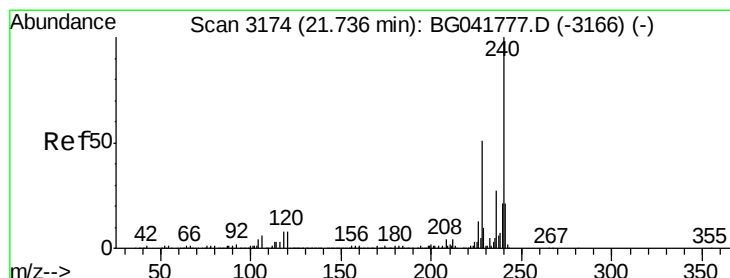
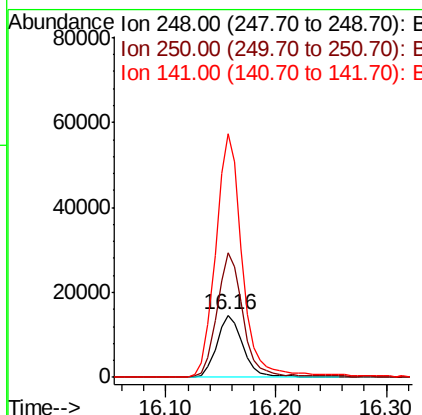
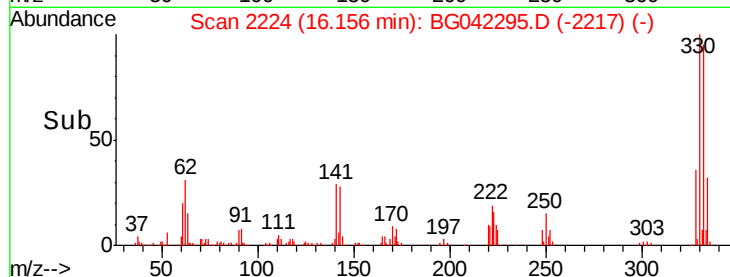


Abundance

Ion 248.00 (247.70 to 248.70): E

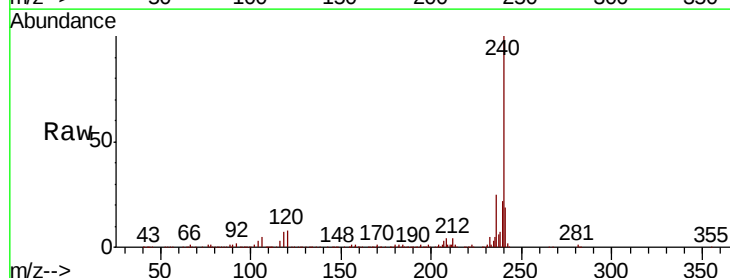
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042295.D
 Acq: 17 Aug 2019 18:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.5	8.0	12.0#
236	25.4	22.6	33.8

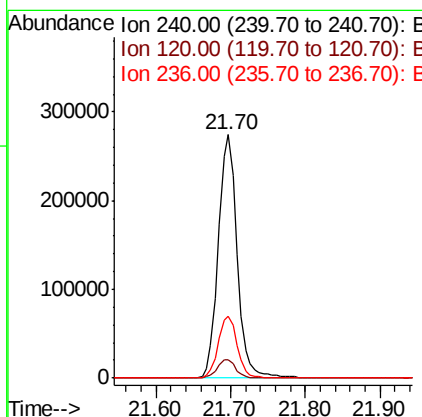
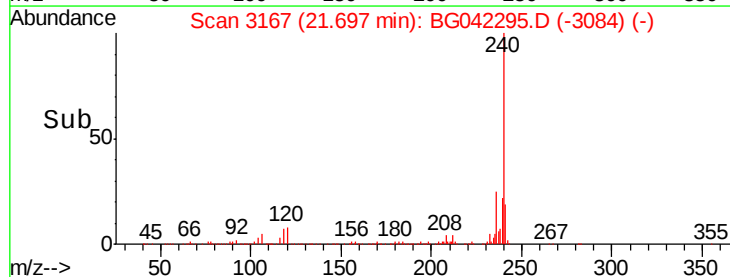


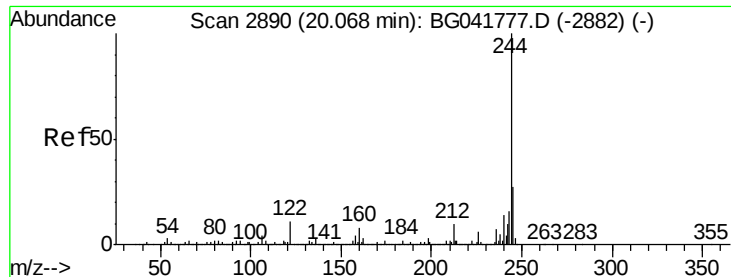
Abundance

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: 97.841 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

Instrument :

BNA_G

ClientSampleId :

JC-03-081519-B

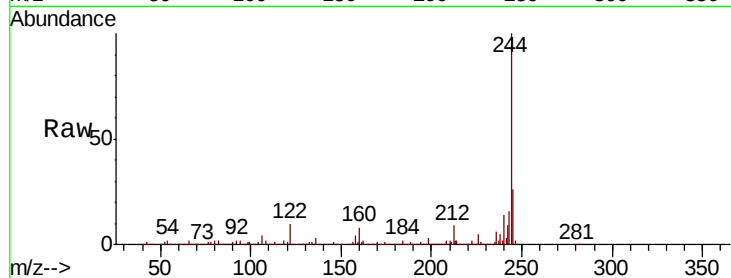
Tgt Ion:244 Resp: 2063511

Ion Ratio Lower Upper

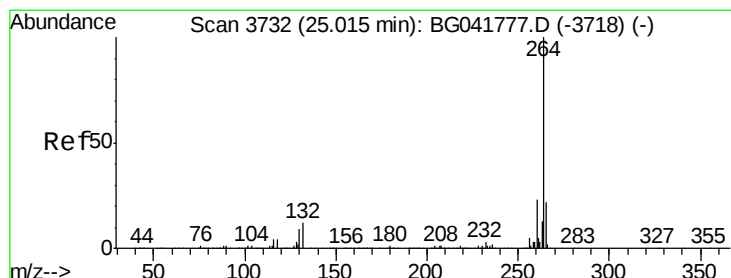
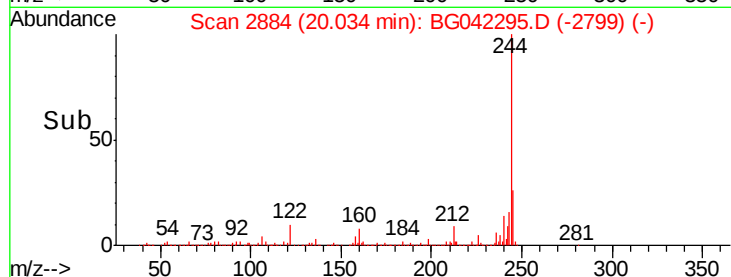
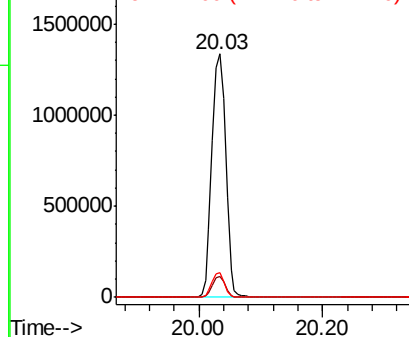
244 100

212 8.8 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. -0.07 min

Lab File: BG042295.D

Acq: 17 Aug 2019 18:01

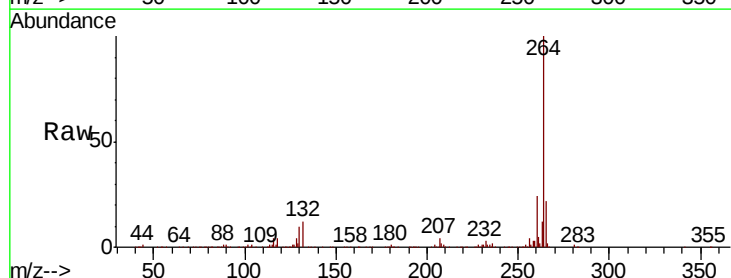
Tgt Ion:264 Resp: 545856

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 21.9 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

