

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042283.D
 Acq On : 17 Aug 2019 10:20
 Operator : HP/JU
 Sample : K4356-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Aug 19 05:55:36 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

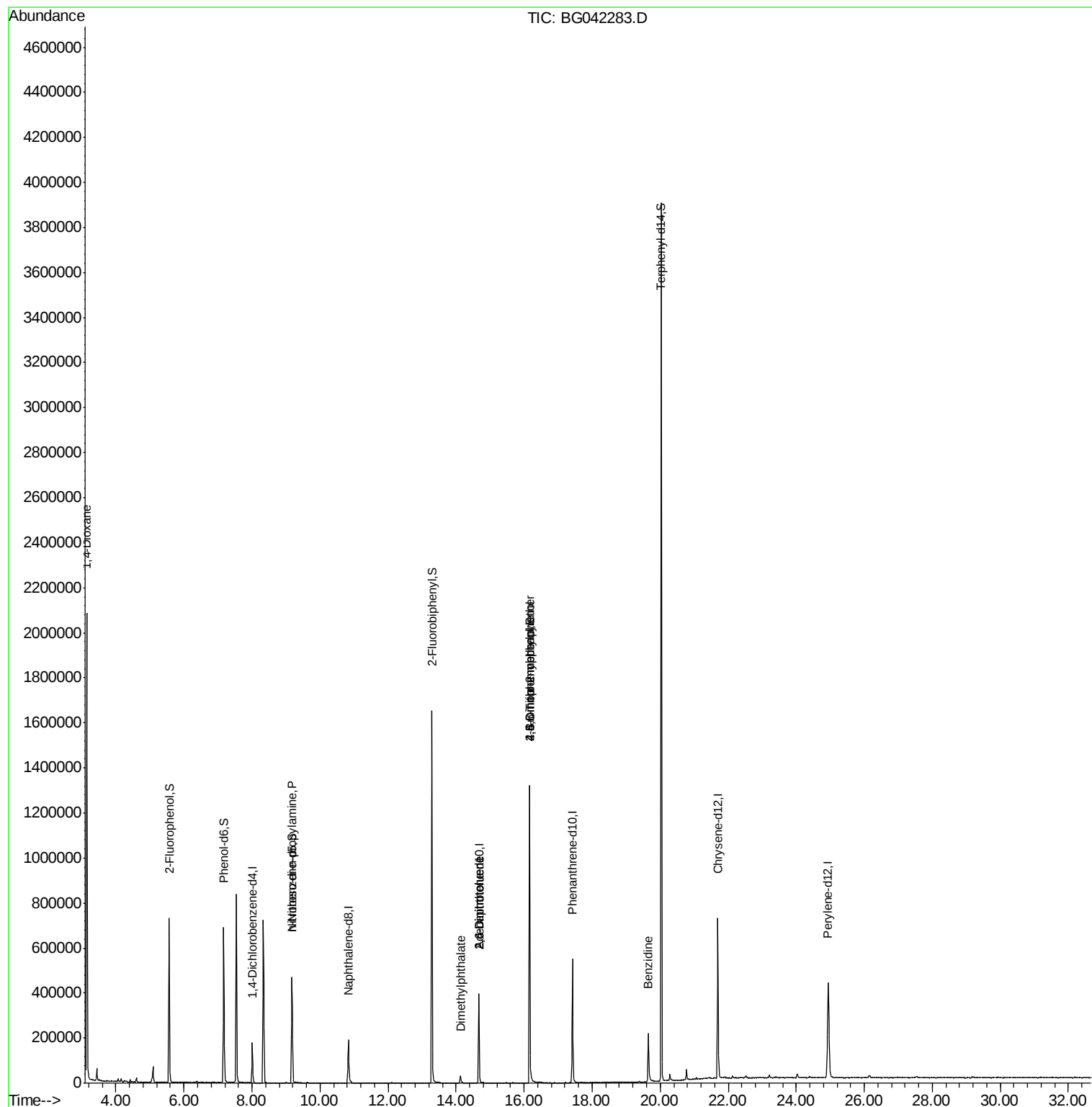
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	60834	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	228760	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	165620	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	405628	20.00	ng	-0.04
76) Chrysene-d12	21.70	240	470016	20.00	ng	-0.04
87) Perylene-d12	24.94	264	534593	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	376203	120.32	ng	-0.03
7) Phenol-d6	7.17	99	477032	113.17	ng	-0.02
23) Nitrobenzene-d5	9.17	82	316428	95.19	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	326063	173.33	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	965678	102.84	ng	-0.04
79) Terphenyl-d14	20.03	244	1918185	93.39	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	21436	14.566	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	38902	12.712	ng	# 64
50) Dimethylphthalate	14.13	163	38944	3.443	ng	# 95
51) 2,6-Dinitrotoluene	14.67	165	21665	9.160	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	21665	6.661	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.15	198	724	7.165	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	23013	4.606	ng	# 1
77) Benzidine	19.65	184	198231	12.921	ng	96

(#) = 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# 838

Delta R.T. -0.04 min

Lab File: BG042283.D

Acq: 17 Aug 2019 10:20

Instrument :

BNA_G

ClientSampleId :

TP-2

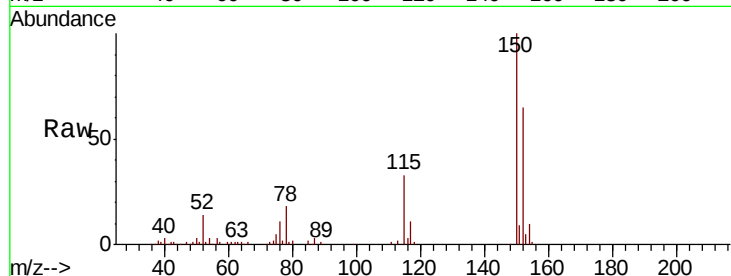
Tgt Ion:152 Resp: 60834

Ion Ratio Lower Upper

152 100

150 153.6 126.9 190.3

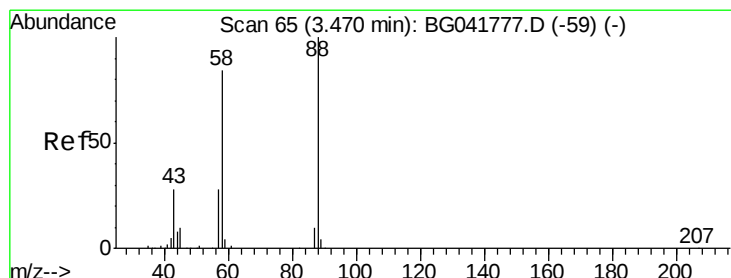
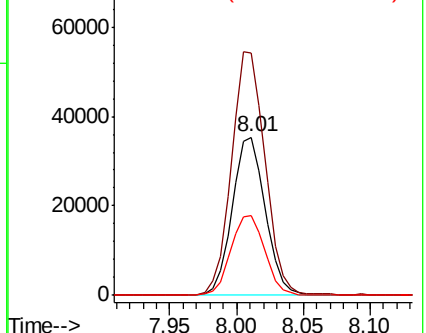
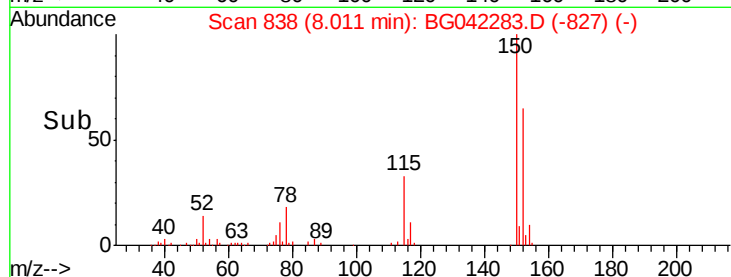
115 50.6 45.0 67.6



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: 14.566 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042283.D

Acq: 17 Aug 2019 10:20

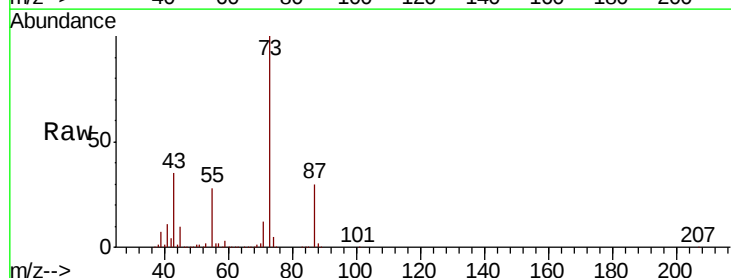
Tgt Ion: 88 Resp: 21436

Ion Ratio Lower Upper

88 100

58 22.5 76.2 114.2#

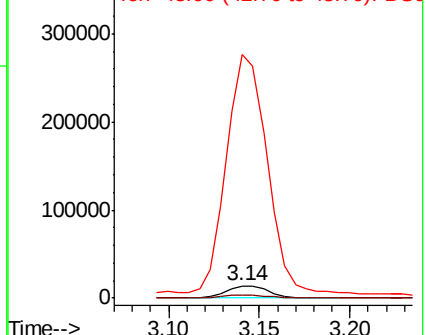
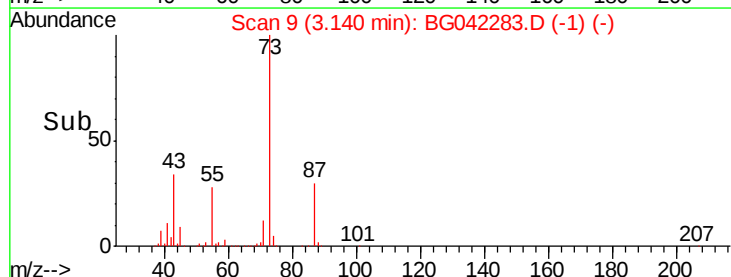
43 2013.2 27.2 40.8#

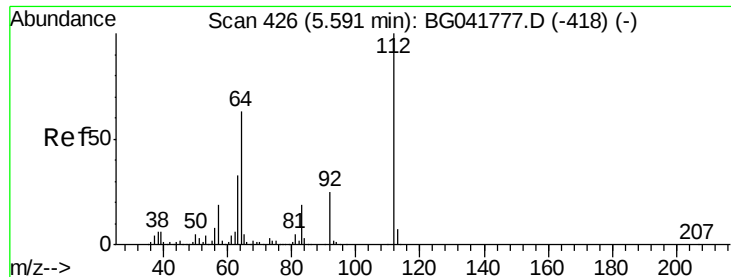


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 120.319 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042283.D

Acq: 17 Aug 2019 10:20

Instrument :

BNA_G

ClientSampleId :

TP-2

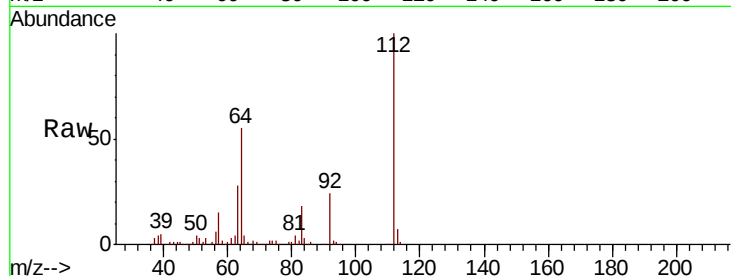
Tgt Ion:112 Resp: 376203

Ion Ratio Lower Upper

112 100

64 54.5 55.4 83.2#

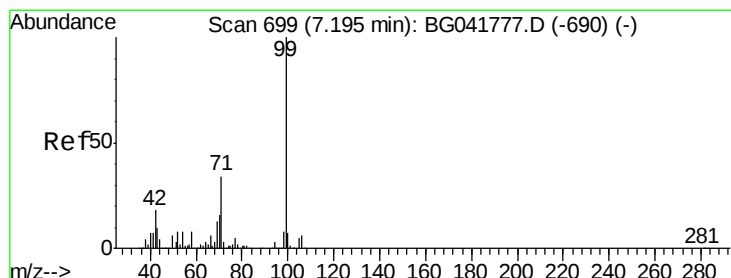
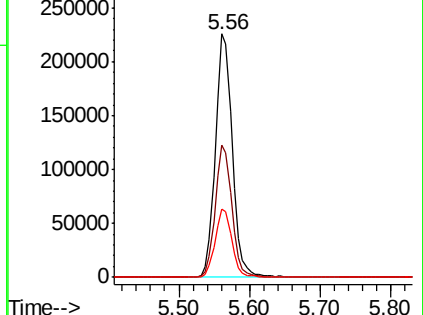
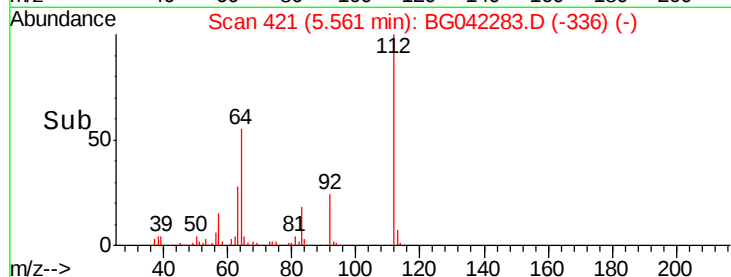
63 28.2 29.1 43.7#



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: 113.166 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042283.D

Acq: 17 Aug 2019 10:20

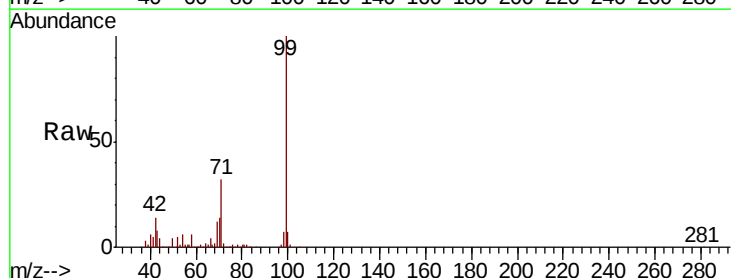
Tgt Ion: 99 Resp: 477032

Ion Ratio Lower Upper

99 100

42 13.7 17.6 26.4#

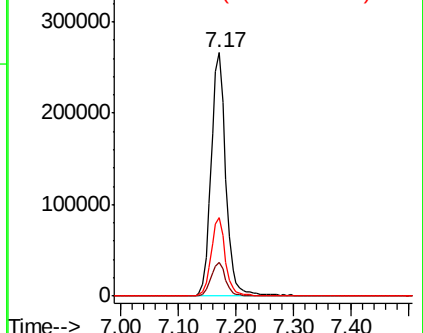
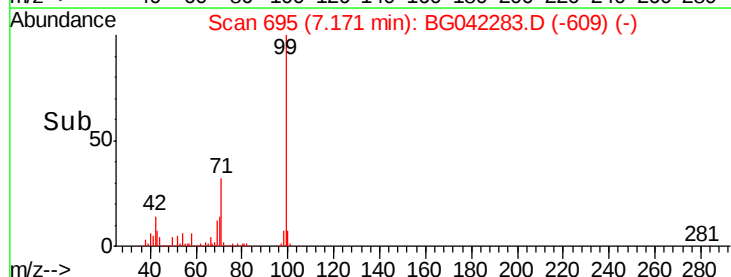
71 32.0 27.8 41.6

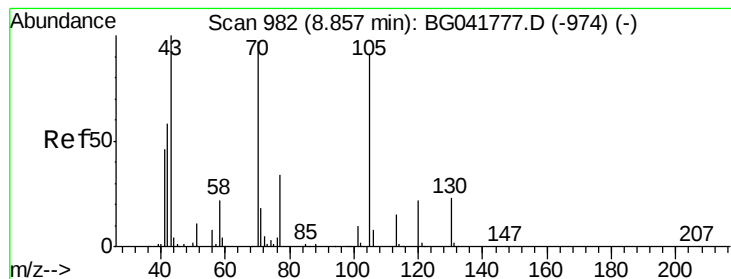


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 12.712 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042283.D

Acq: 17 Aug 2019 10:20

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion: 70 Resp: 38902

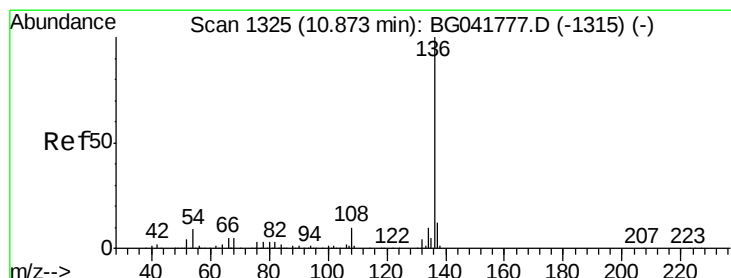
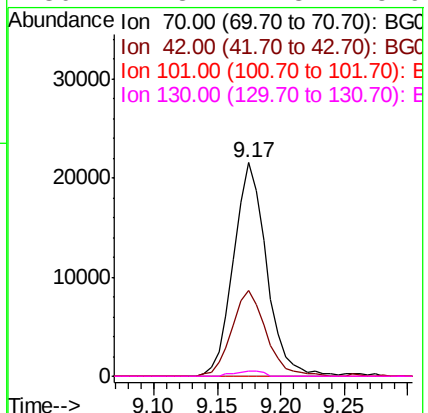
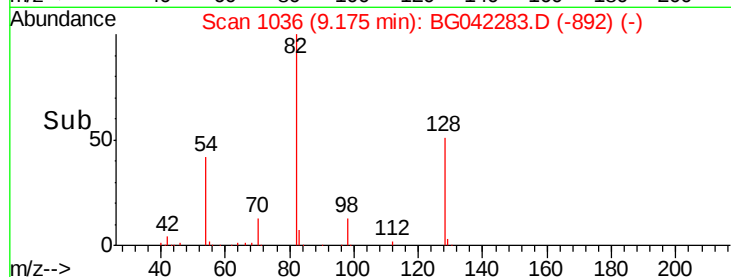
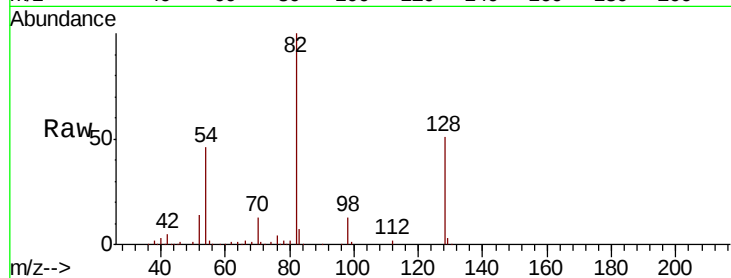
Ion Ratio Lower Upper

70 100

42 40.2 55.8 83.6#

101 0.0 8.1 12.1#

130 2.3 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: BG042283.D

Acq: 17 Aug 2019 10:20

Tgt Ion: 136 Resp: 228760

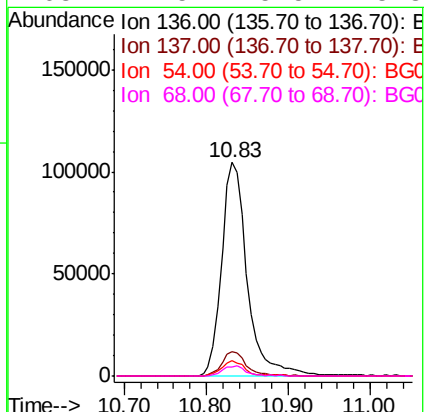
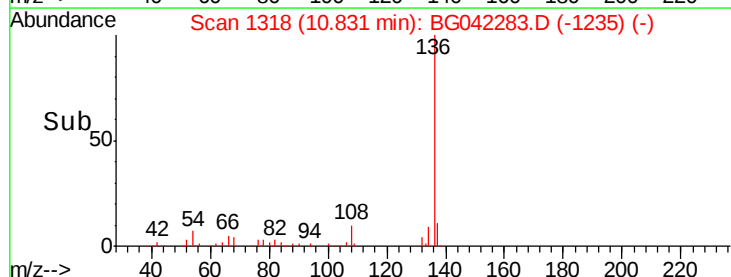
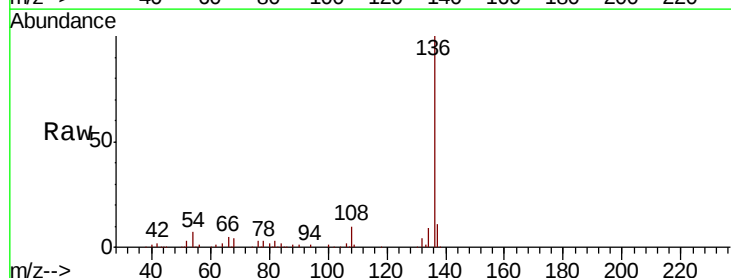
Ion Ratio Lower Upper

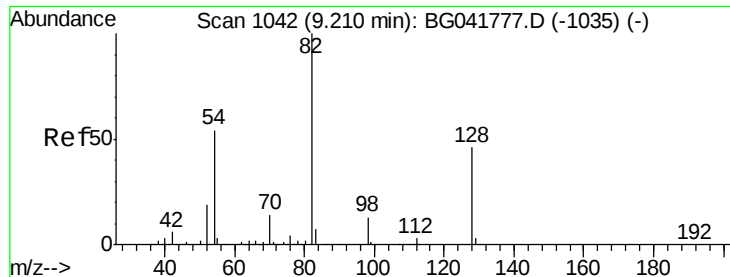
136 100

137 11.2 9.2 13.8

54 7.0 8.7 13.1#

68 4.5 5.5 8.3#

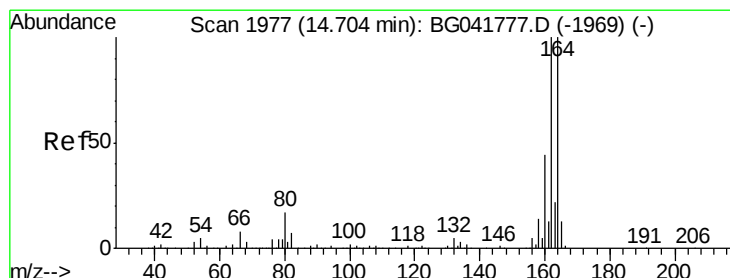
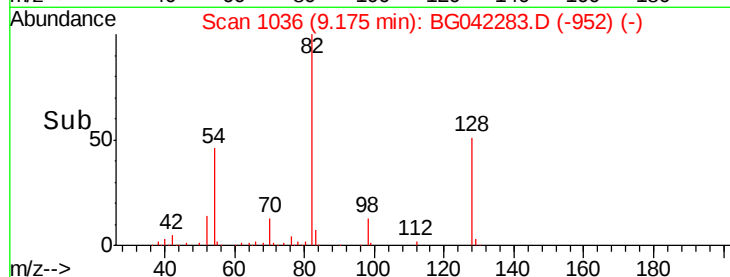
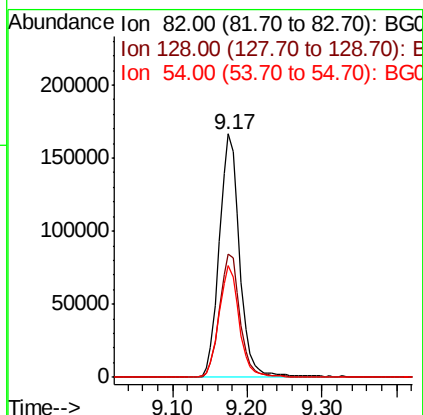
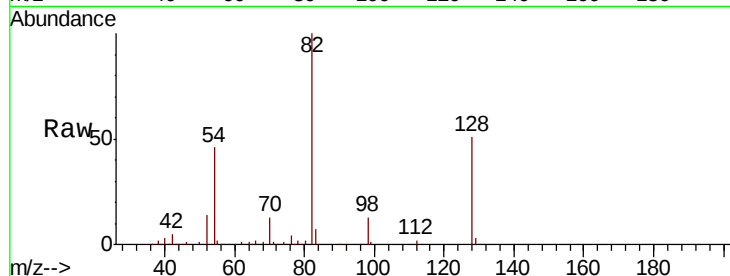




#23
 Nitrobenzene-d5
 Concen: 95.189 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.04 min
 Lab File: BG042283.D
 Acq: 17 Aug 2019 10:20

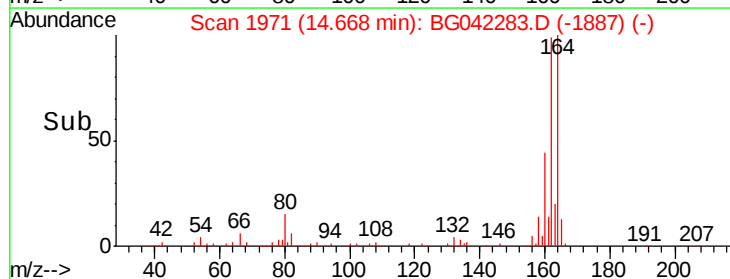
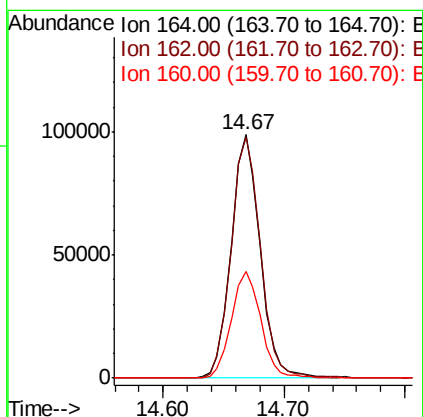
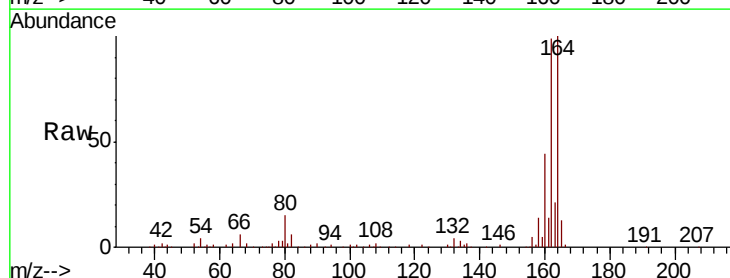
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

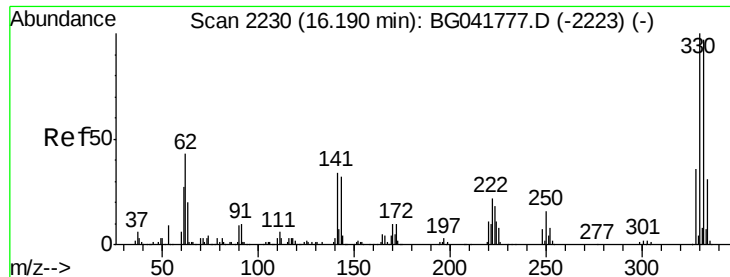
Tgt Ion: 82 Resp: 316428
 Ion Ratio Lower Upper
 82 100
 128 50.9 35.1 52.7
 54 45.9 48.7 73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.04 min
 Lab File: BG042283.D
 Acq: 17 Aug 2019 10:20

Tgt Ion: 164 Resp: 165620
 Ion Ratio Lower Upper
 164 100
 162 99.0 79.6 119.4
 160 43.6 35.4 53.0

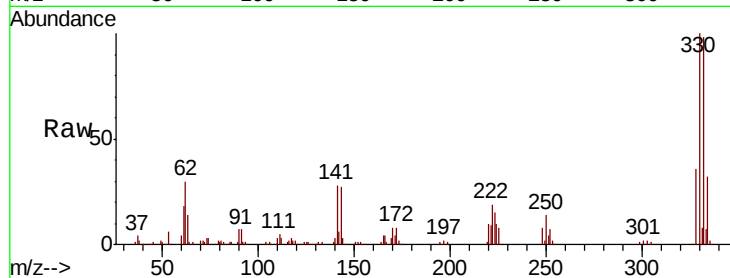




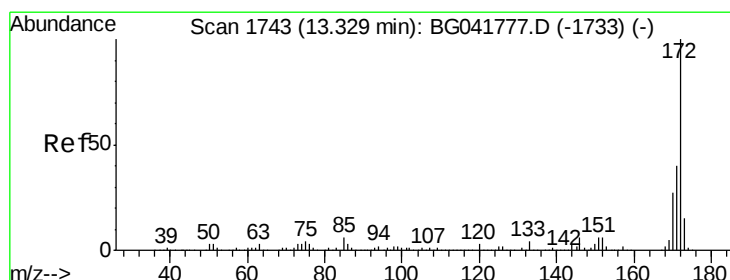
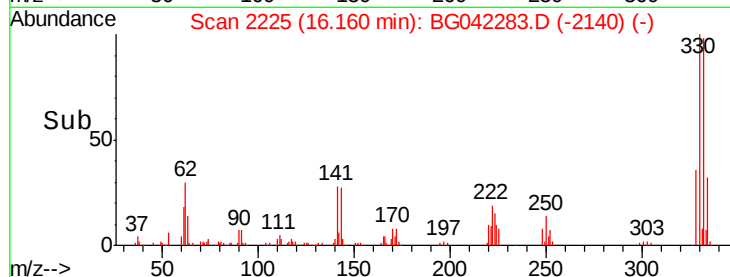
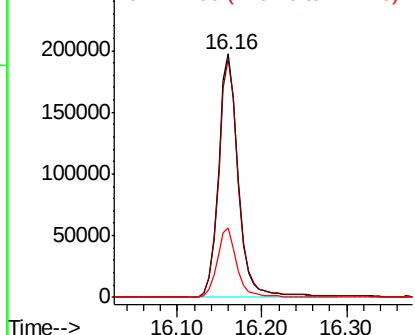
#42
 2,4,6-Tribromophenol
 Concen: 173.326 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: BG042283.D
 Acq: 17 Aug 2019 10:20

Instrument :
 BNA_G
 ClientSampled :
 TP-2

Tgt Ion:330 Resp: 326063
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.0
 141 28.4 31.9 47.9#

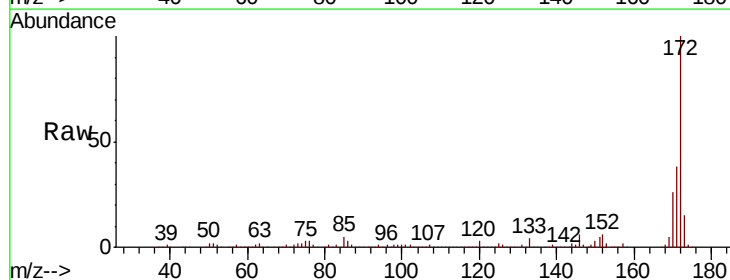


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

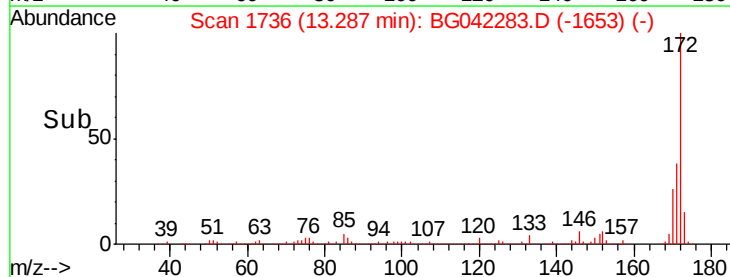
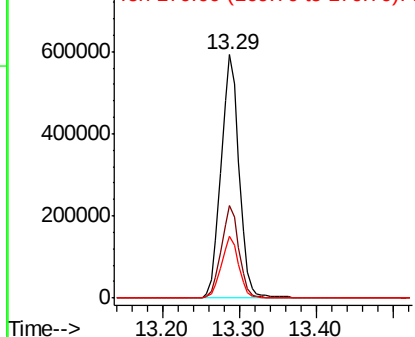


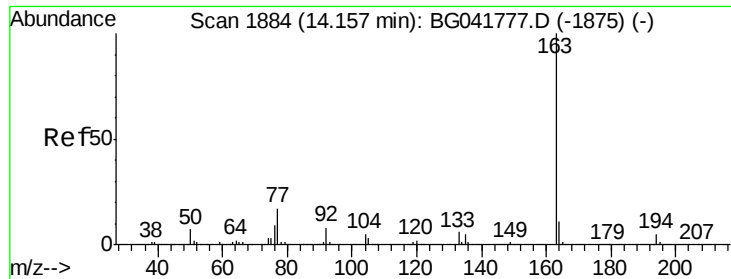
#45
 2-Fluorobiphenyl
 Concen: 102.837 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042283.D
 Acq: 17 Aug 2019 10:20

Tgt Ion:172 Resp: 965678
 Ion Ratio Lower Upper
 172 100
 171 38.1 35.0 52.4
 170 25.6 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: 3.443 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.03 min

Lab File: BG042283.D

Acq: 17 Aug 2019 10:20

Instrument :

BNA_G

ClientSampleId :

TP-2

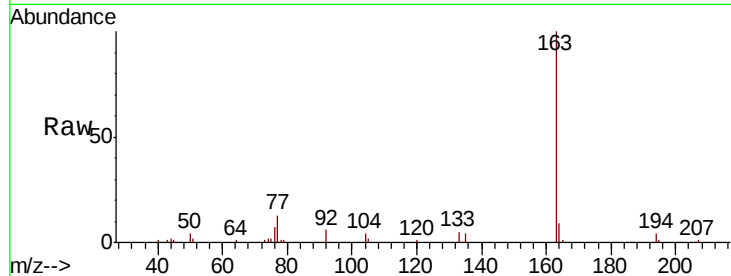
Tgt Ion:163 Resp: 38944

Ion Ratio Lower Upper

163 100

194 5.2 4.2 6.2

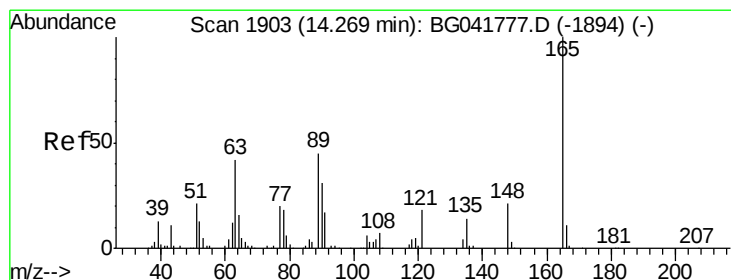
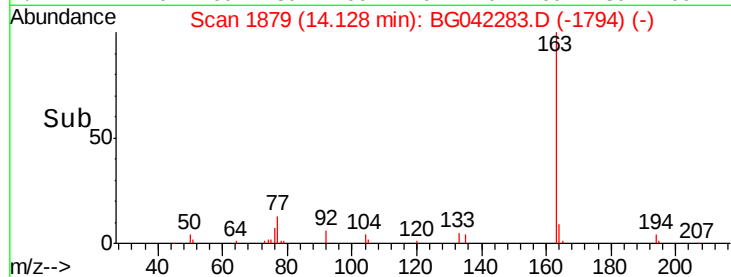
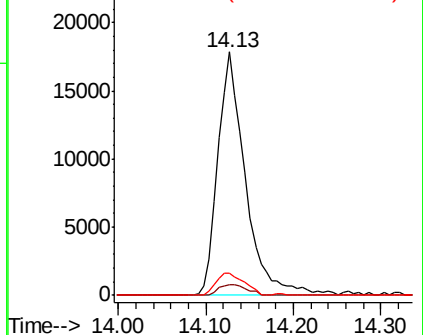
164 8.9 9.4 14.2#



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: 9.160 ng

RT: 14.67 min Scan# 1971

Delta R.T. 0.40 min

Lab File: BG042283.D

Acq: 17 Aug 2019 10:20

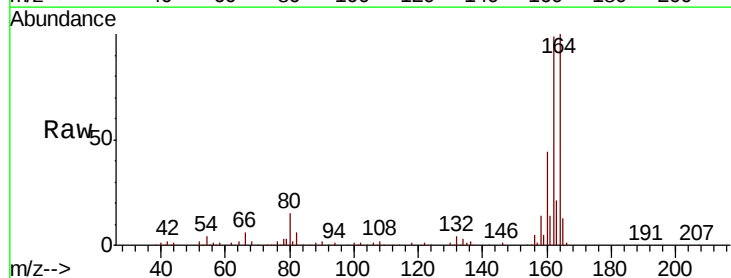
Tgt Ion:165 Resp: 21665

Ion Ratio Lower Upper

165 100

63 0.0 42.4 63.6#

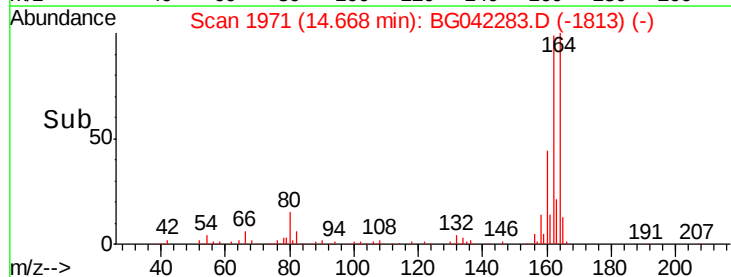
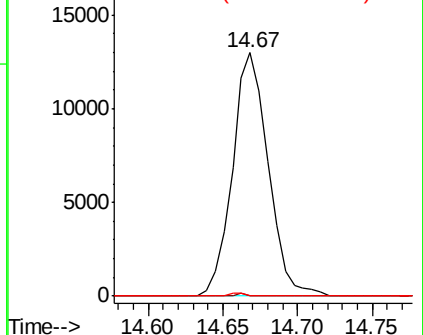
89 0.0 42.1 63.1#

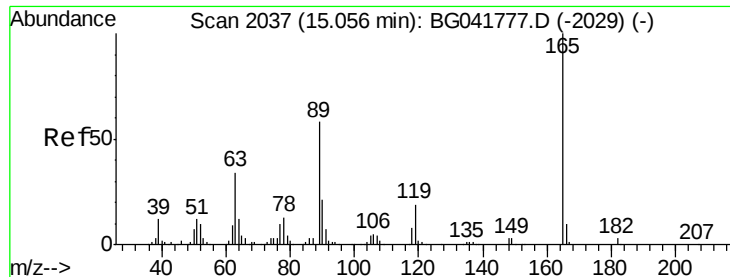


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

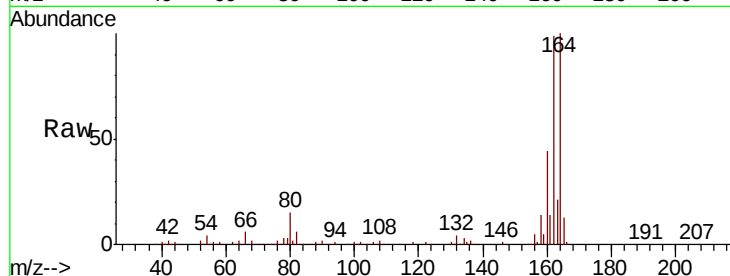




#57
 2,4-Dinitrotoluene
 Concen: 6.661 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042283.D
 Acq: 17 Aug 2019 10:20

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

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

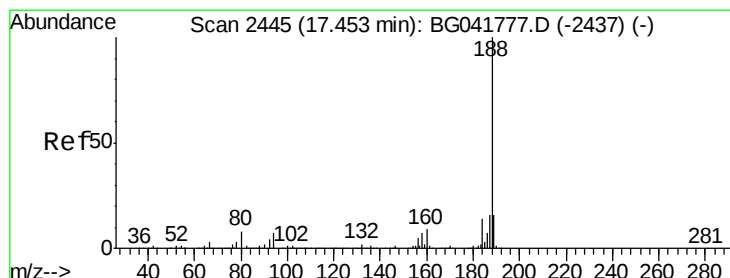
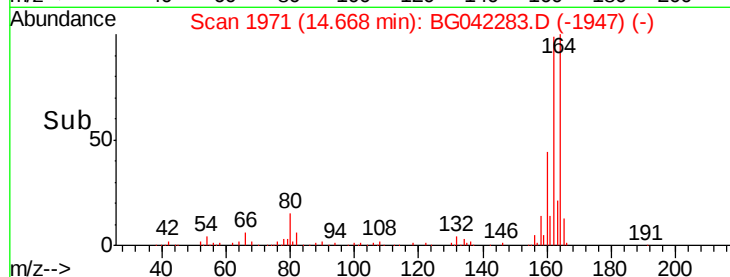
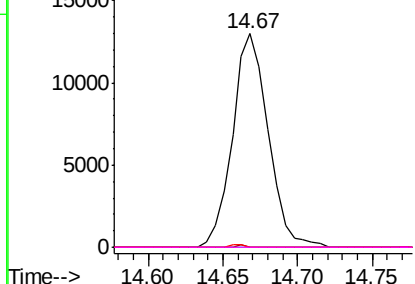


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

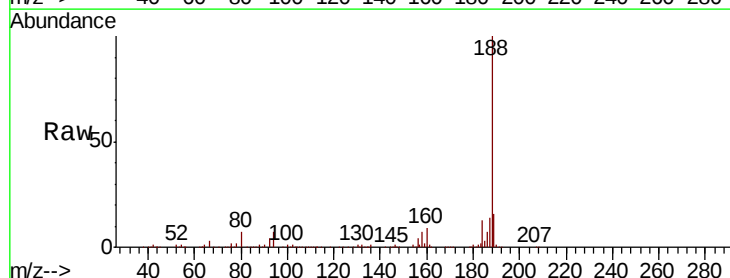
Ion 89.00 (88.70 to 89.70): BGC

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. -0.04 min
 Lab File: BG042283.D
 Acq: 17 Aug 2019 10:20

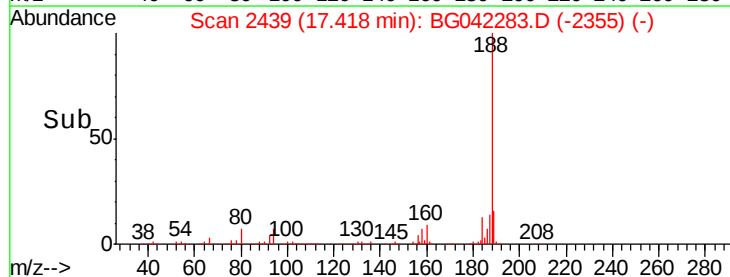
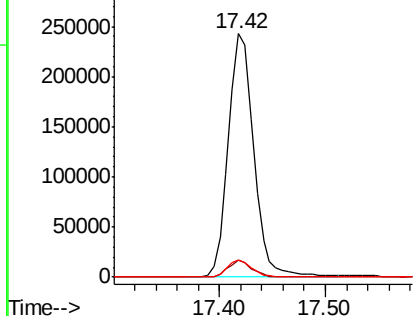
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	7.1	8.0	12.0#

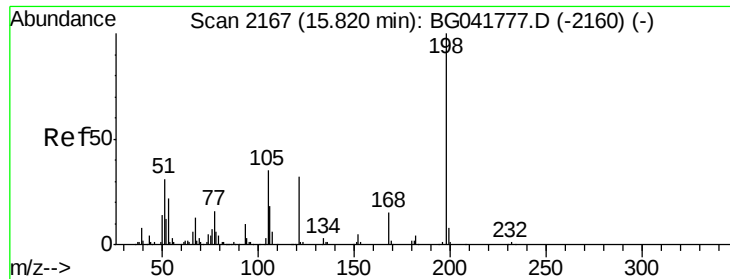


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

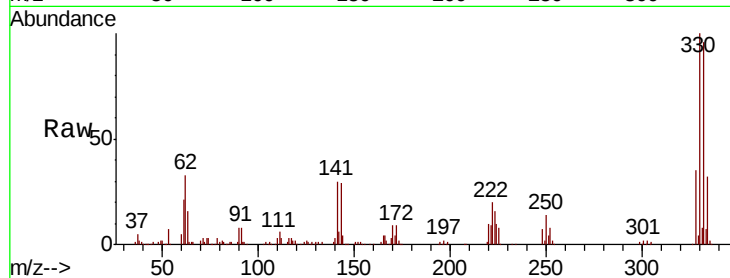




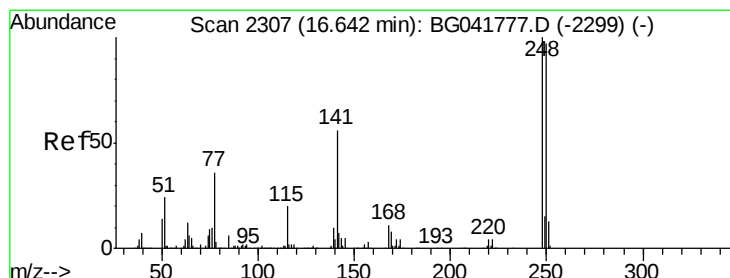
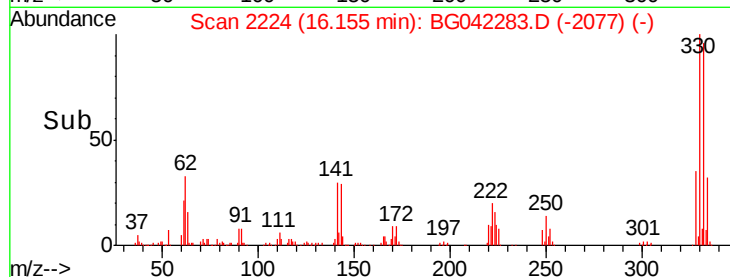
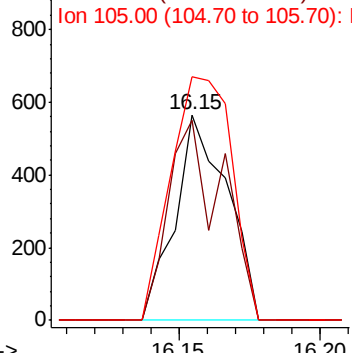
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.165 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.34 min
 Lab File: BG042283.D
 Acq: 17 Aug 2019 10:20

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Tgt Ion:198 Resp: 724
 Ion Ratio Lower Upper
 198 100
 51 97.2 22.3 62.3#
 105 118.6 18.0 58.0#

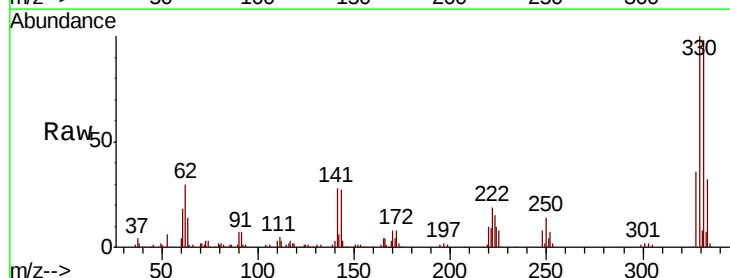


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

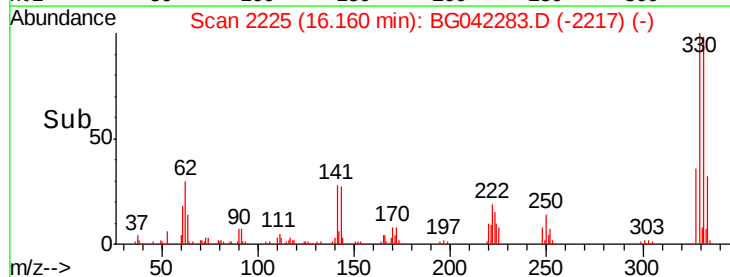
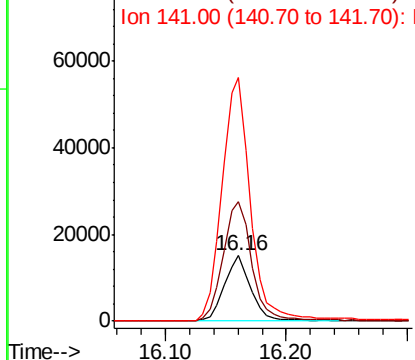


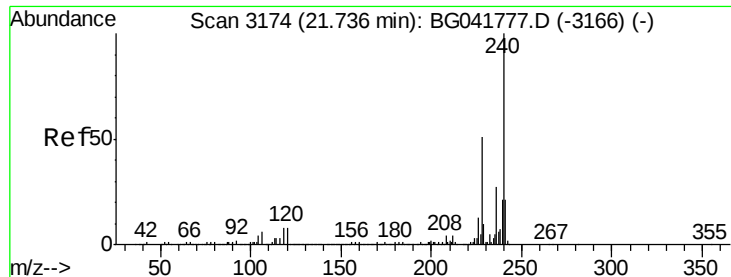
#67
 4-Bromophenyl-phenylether
 Concen: 4.606 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.48 min
 Lab File: BG042283.D
 Acq: 17 Aug 2019 10:20

Tgt Ion:248 Resp: 23013
 Ion Ratio Lower Upper
 248 100
 250 181.5 78.1 117.1#
 141 371.6 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

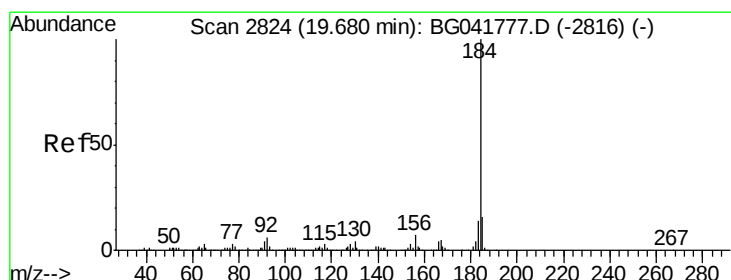
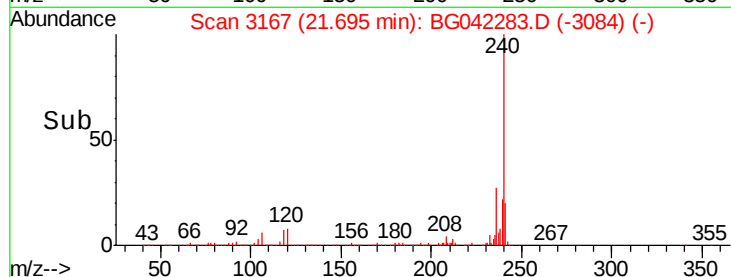
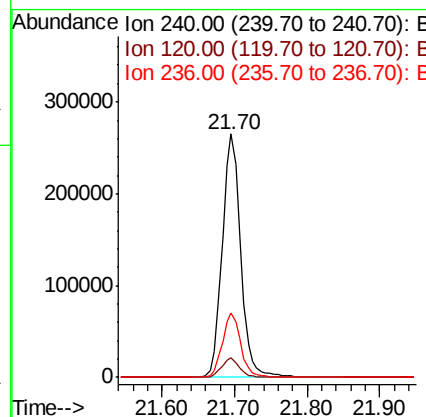
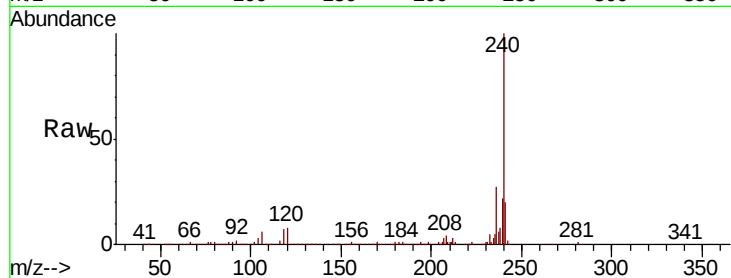




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.04 min
Lab File: BG042283.D
Acq: 17 Aug 2019 10:20

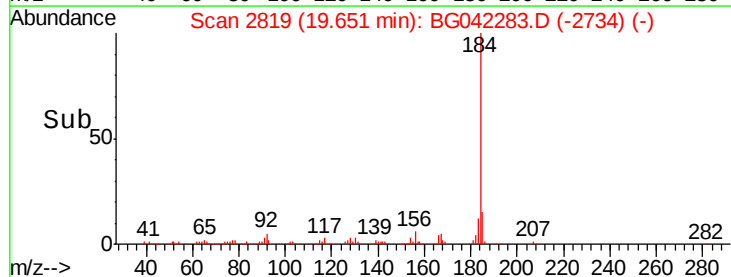
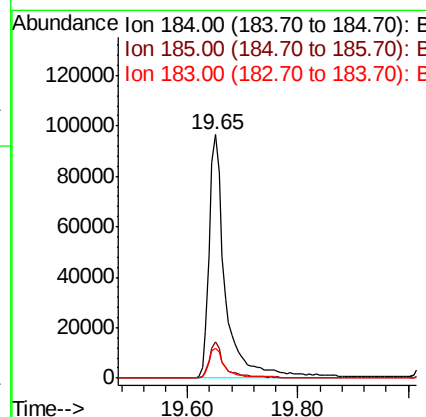
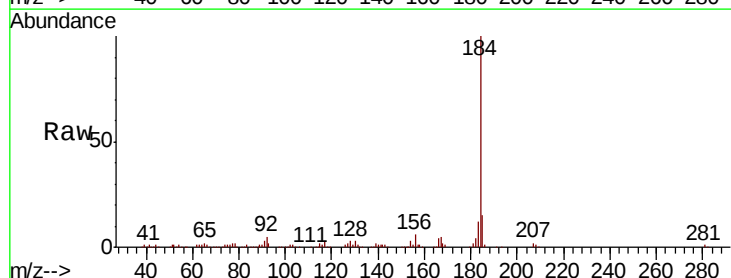
Instrument :
BNA_G
ClientSampleId :
TP-2

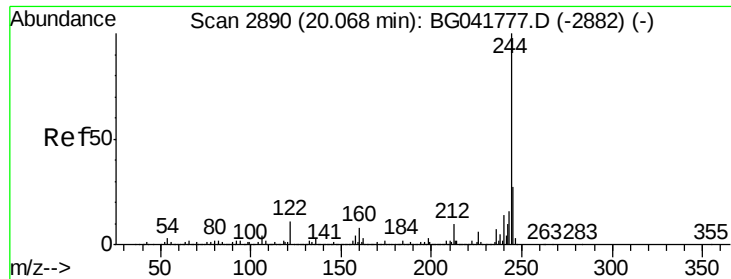
Tgt Ion:240 Resp: 470016
Ion Ratio Lower Upper
240 100
120 8.0 8.0 12.0#
236 26.6 22.6 33.8



#77
Benzidine
Concen: 12.921 ng
RT: 19.65 min Scan# 2819
Delta R.T. -0.03 min
Lab File: BG042283.D
Acq: 17 Aug 2019 10:20

Tgt Ion:184 Resp: 198231
Ion Ratio Lower Upper
184 100
185 14.9 13.0 19.4
183 12.3 11.8 17.6





#79

Terphenyl-d14

Concen: 93.386 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042283.D

Acq: 17 Aug 2019 10:20

Instrument :

BNA_G

ClientSampleId :

TP-2

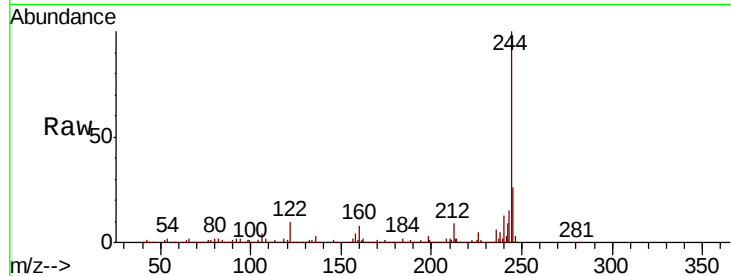
Tgt Ion:244 Resp: 1918185

Ion Ratio Lower Upper

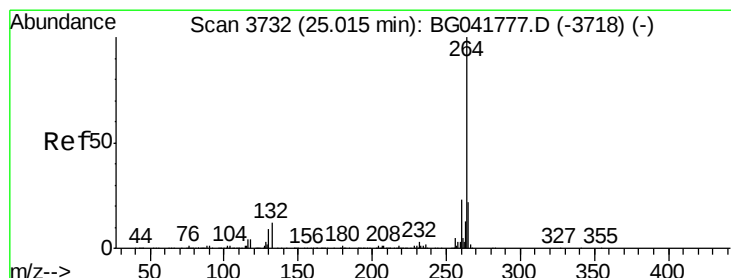
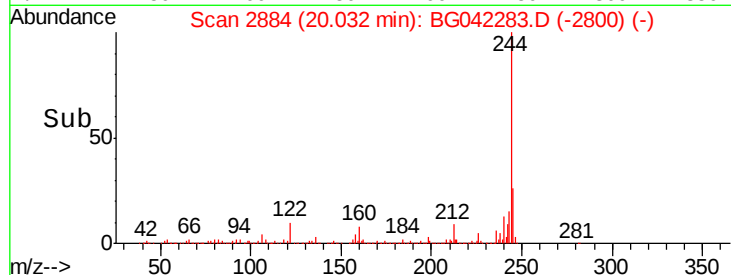
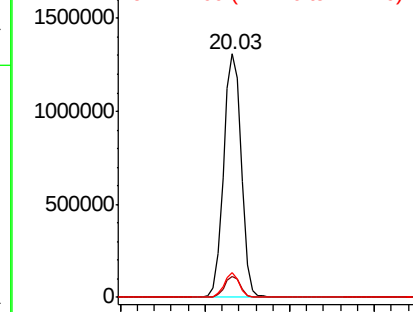
244 100

212 8.8 9.7 14.5#

122 10.2 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: BG042283.D

Acq: 17 Aug 2019 10:20

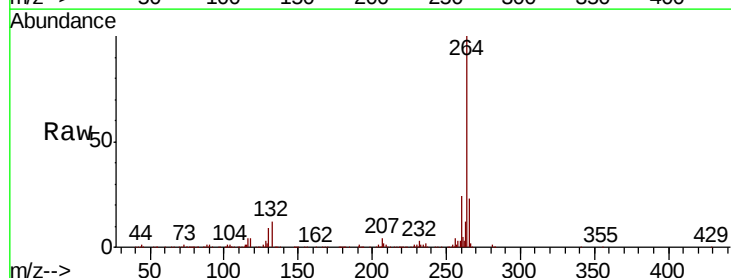
Tgt Ion:264 Resp: 534593

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 22.7 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

