

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039486.D
 Acq On : 13 Feb 2019 5:50
 Operator : JU/SJ
 Sample : K1459-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-10-S

Quant Time: Feb 13 06:58:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	45197	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	214833	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	152796	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	360346	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	352386	20.00	ng	-0.02
87) Perylene-d12	25.21	264	344591	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	437407	165.64	ng	0.00
7) Phenol-d6	7.31	99	597786	153.79	ng	0.00
23) Nitrobenzene-d5	9.35	82	413226	120.16	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	246694	149.93	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1020558	95.82	ng	-0.01
79) Terphenyl-d14	20.14	244	1542863	92.68	ng	-0.01

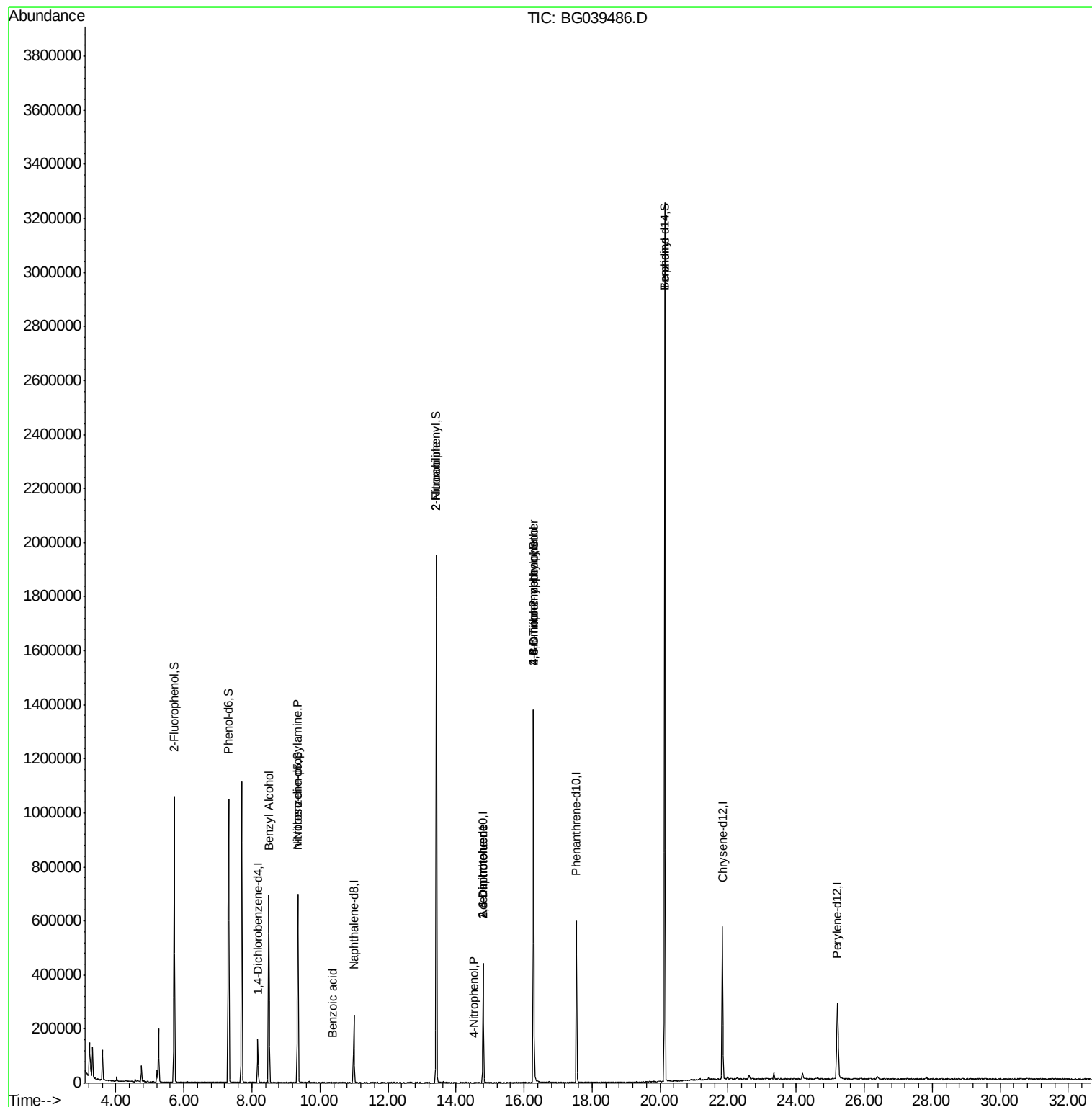
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	1013	Below Cal		# 4
15) Benzyl Alcohol	8.49	79	6253	2.049	ng	# 57
19) n-Nitroso-di-n-propylamine	9.35	70	54044	19.589	ng	# 70
32) Benzoic acid	10.37	122	59	9.045	ng	# 1
48) 2-Nitroaniline	13.42	65	1880	8.862	ng	# 3
51) 2,6-Dinitrotoluene	14.80	165	18576	13.513	ng	# 25
56) 4-Nitrophenol	14.53	139	63	5.820	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	18576	13.088	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.27	198	822	4.906	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	19323	4.834	ng	# 1
77) Benzidine	20.14	184	28007	2.424	ng	# 95

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

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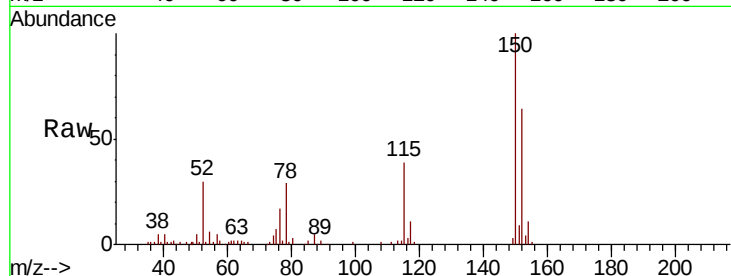


#1

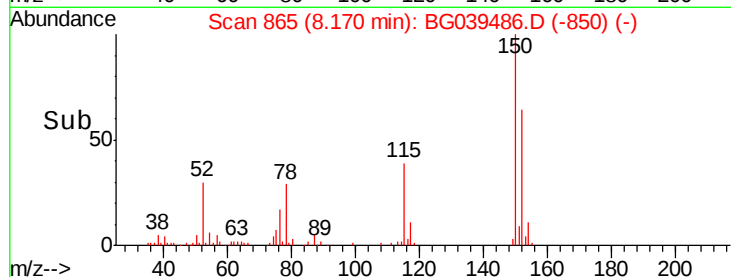
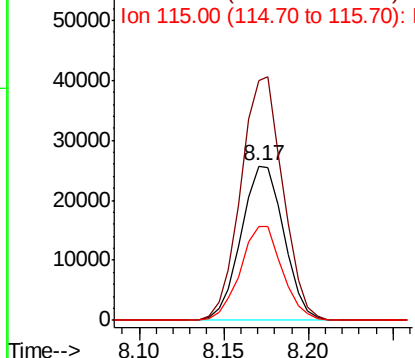
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039486.D
Acq: 13 Feb 2019 5:50

Instrument :
BNA_G
ClientSampleId :
M-10-S

Tgt Ion:152 Resp: 45197
Ion Ratio Lower Upper
152 100
150 155.7 123.7 185.5
115 60.6 45.9 68.9



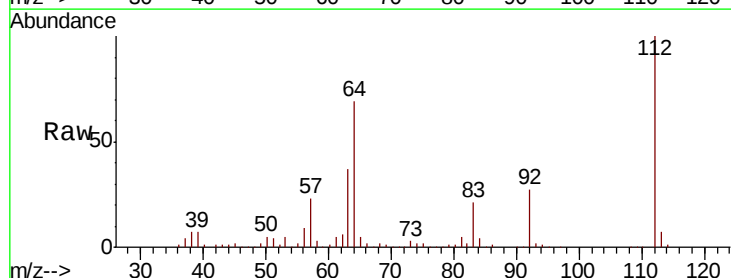
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



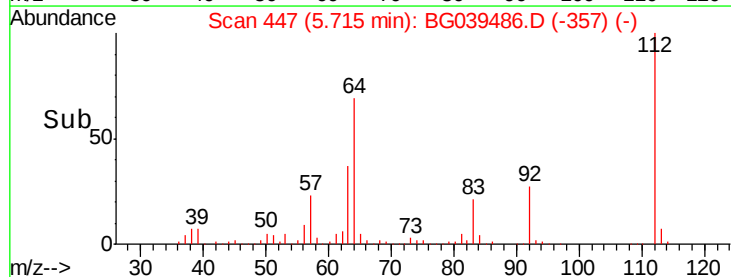
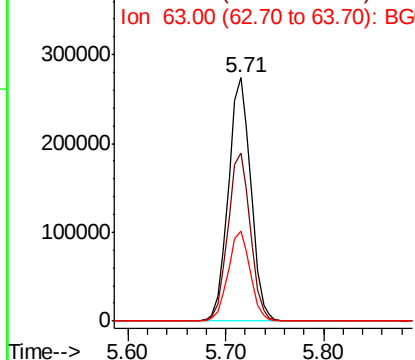
#5

2-Fluorophenol
Concen: 165.636 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039486.D
Acq: 13 Feb 2019 5:50

Tgt Ion:112 Resp: 437407
Ion Ratio Lower Upper
112 100
64 68.8 57.8 86.8
63 36.8 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 153.786 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

Instrument :

BNA_G

ClientSampleId :

M-10-S

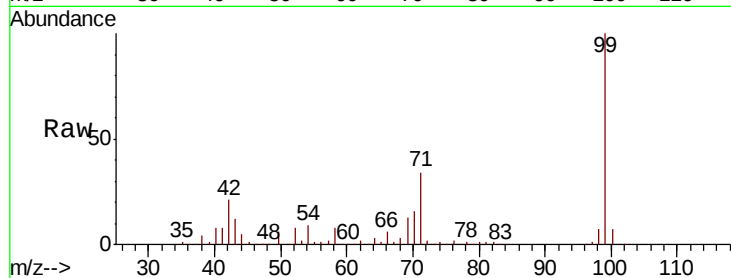
Tgt Ion: 99 Resp: 597786

Ion Ratio Lower Upper

99 100

42 21.4 18.2 27.2

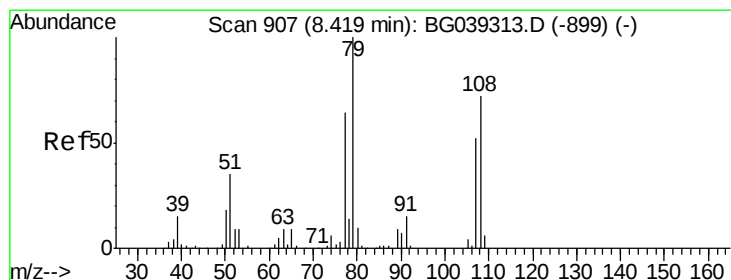
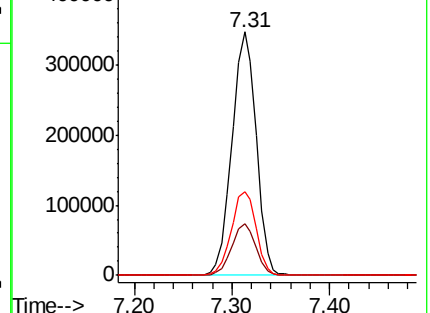
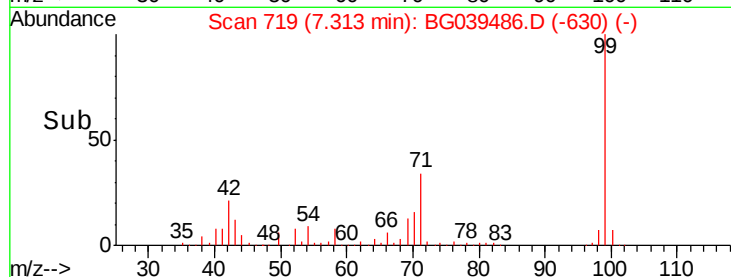
71 34.5 28.0 42.0



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



#15

Benzyl Alcohol

Concen: 2.049 ng

RT: 8.49 min Scan# 920

Delta R.T. 0.07 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

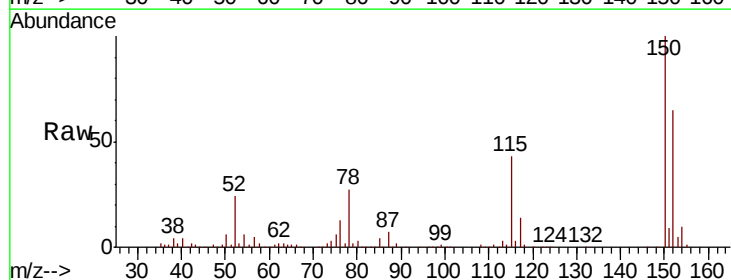
Tgt Ion: 79 Resp: 6253

Ion Ratio Lower Upper

79 100

108 32.6 57.8 86.6#

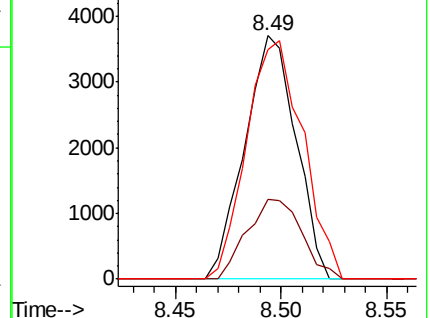
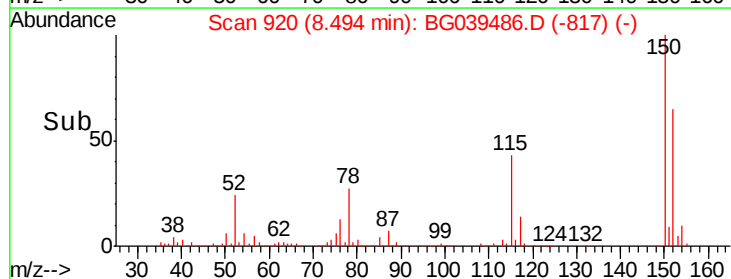
77 94.2 51.1 76.7#

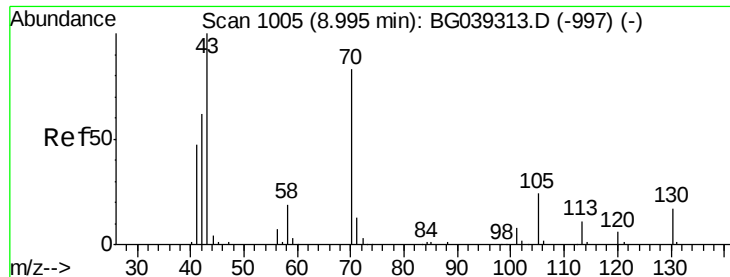


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 19.589 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

Instrument :

BNA_G

ClientSampled :

M-10-S

Tgt Ion: 70 Resp: 54044

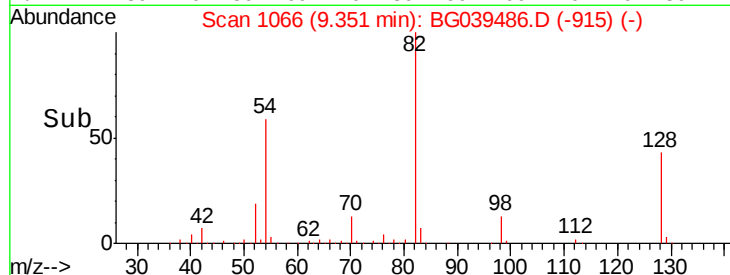
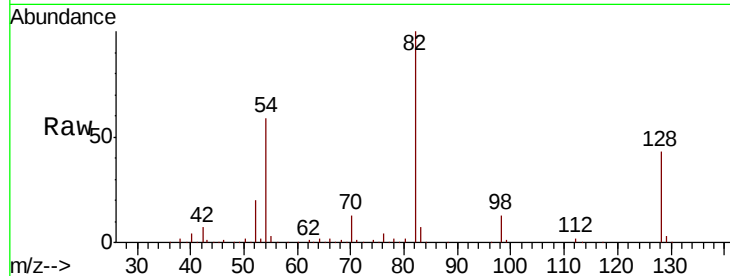
Ion Ratio Lower Upper

70 100

42 52.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.6 16.9 25.3#

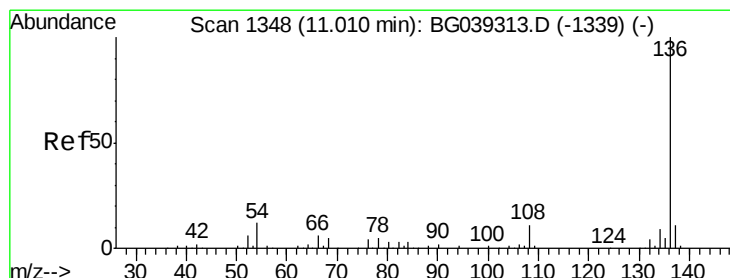
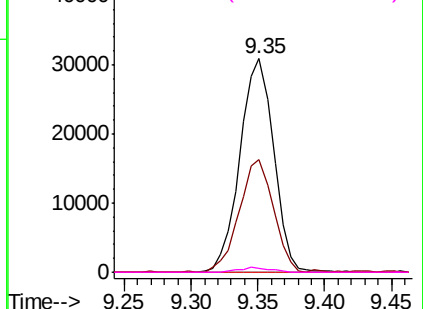


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

Tgt Ion: 136 Resp: 214833

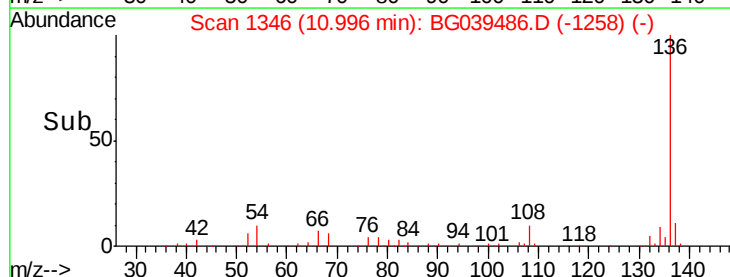
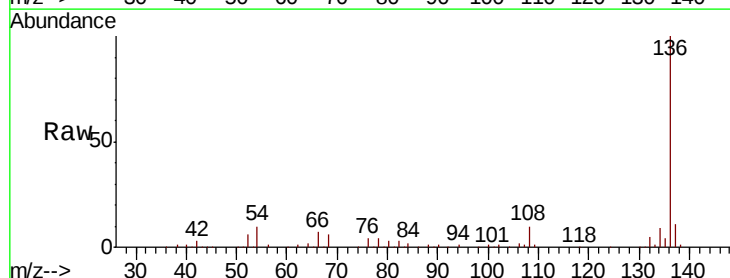
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.8 9.4 14.2

68 6.1 4.2 6.4

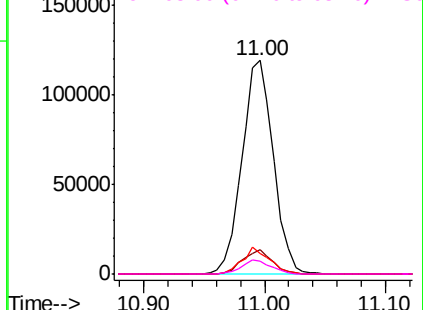


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

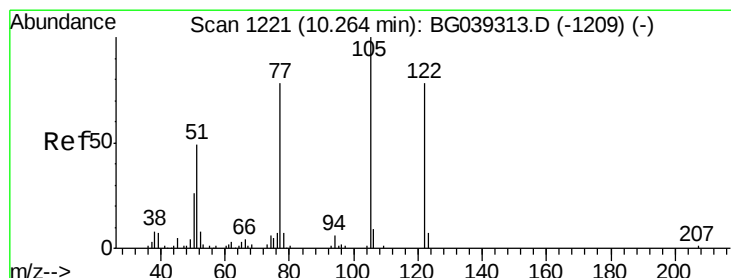
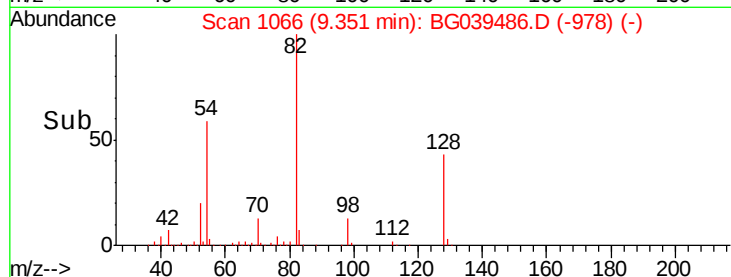
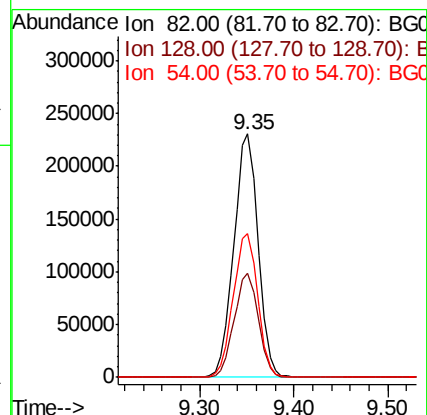
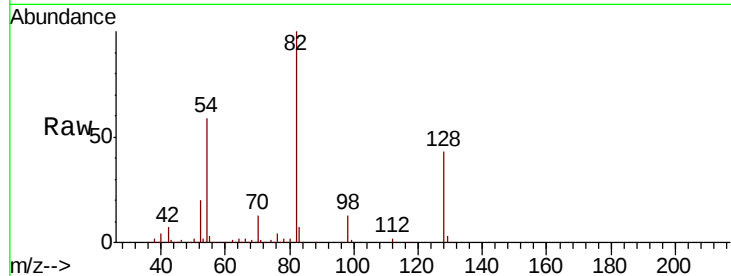




#23
 Nitrobenzene-d5
 Concen: 120.163 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039486.D
 Acq: 13 Feb 2019 5:50

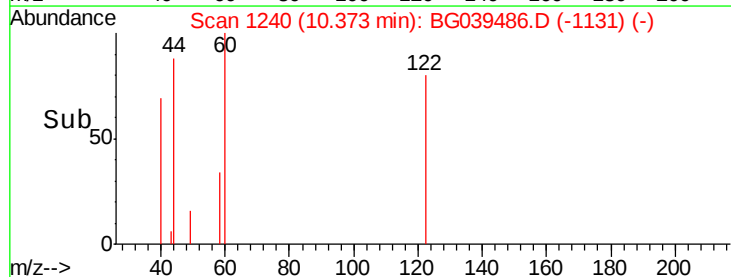
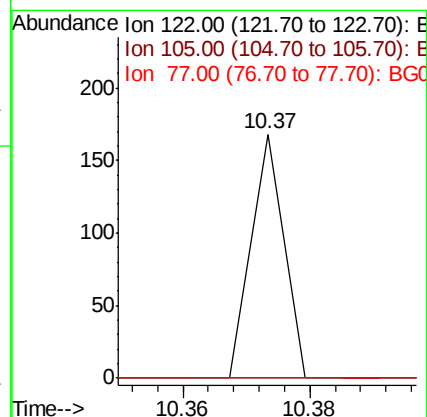
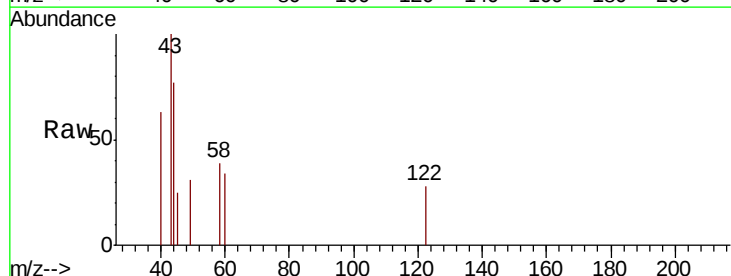
Instrument :
 BNA_G
 ClientSampleId :
 M-10-S

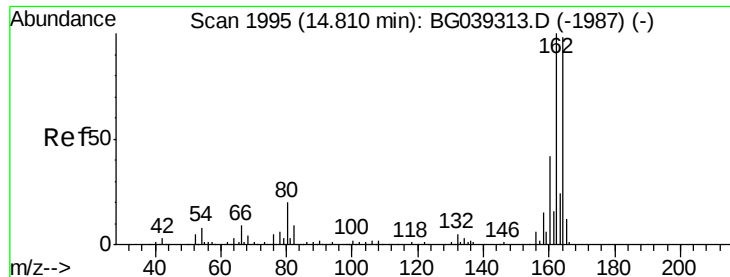
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.7	31.3	46.9
54	58.8	50.9	76.3



#32
 Benzoic acid
 Concen: 9.045 ng
 RT: 10.37 min Scan# 1240
 Delta R.T. 0.11 min
 Lab File: BG039486.D
 Acq: 13 Feb 2019 5:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

Instrument :

BNA_G

ClientSampled :

M-10-S

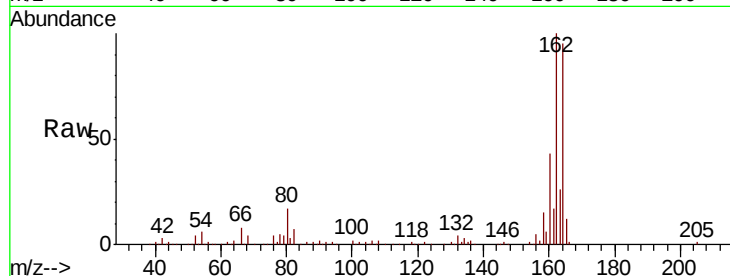
Tgt Ion:164 Resp: 152796

Ion Ratio Lower Upper

164 100

162 104.9 81.6 122.4

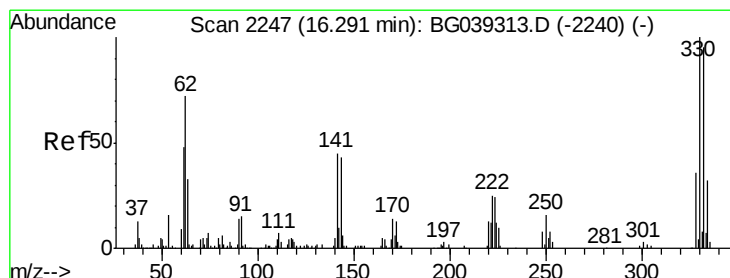
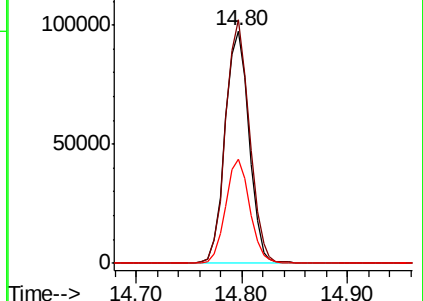
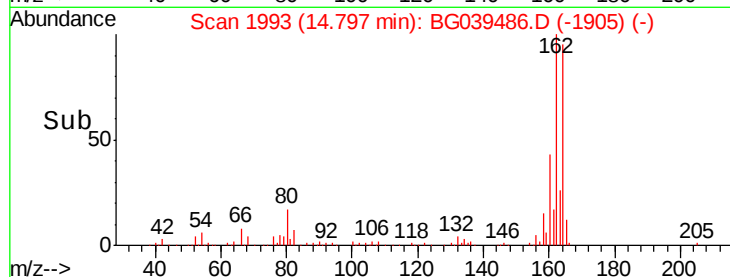
160 44.8 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 149.934 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

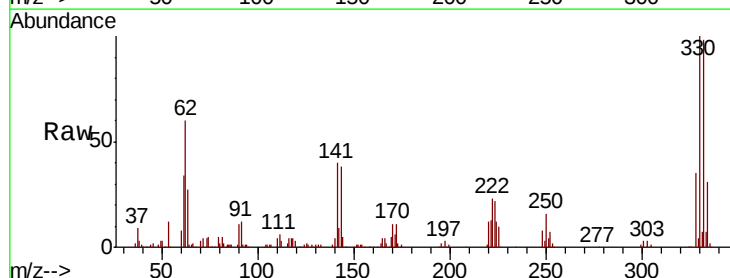
Tgt Ion:330 Resp: 246694

Ion Ratio Lower Upper

330 100

332 96.4 75.7 113.5

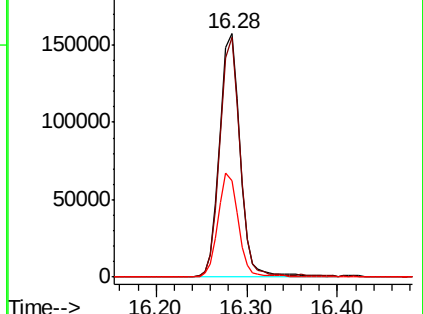
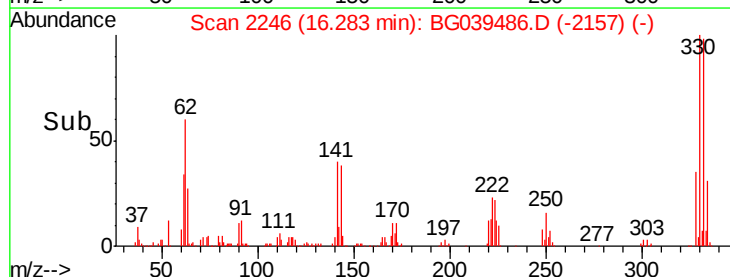
141 42.3 35.6 53.4

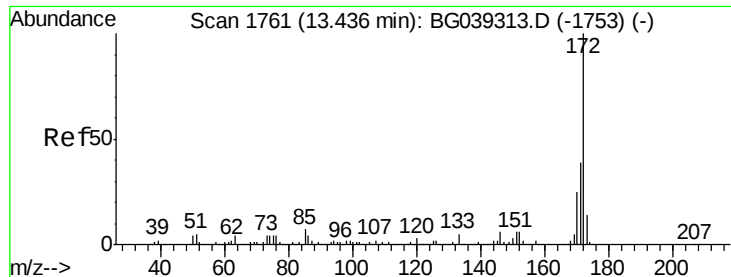


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

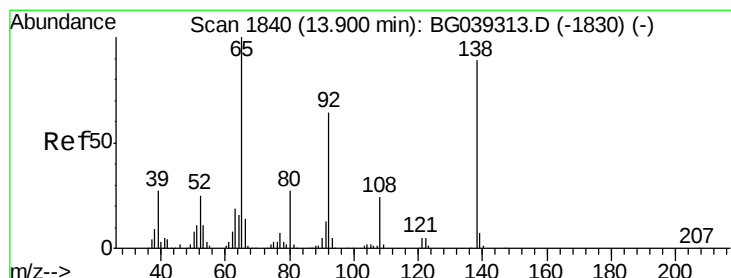
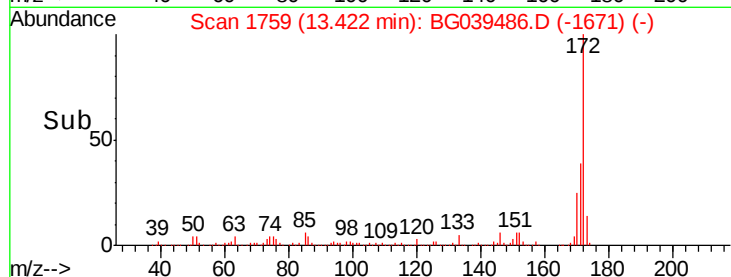
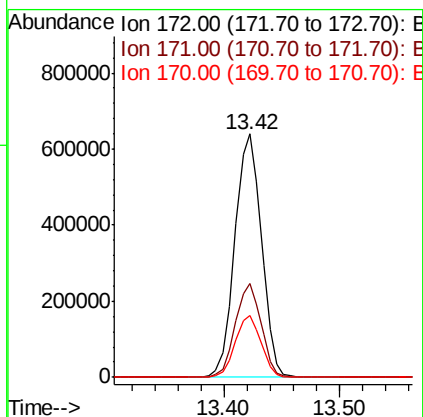
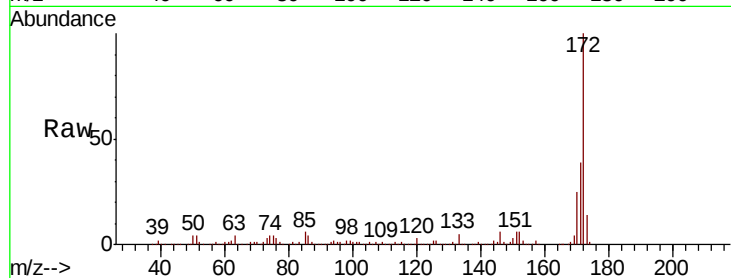




#45
2-Fluorobiphenyl
Concen: 95.817 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039486.D
Acq: 13 Feb 2019 5:50

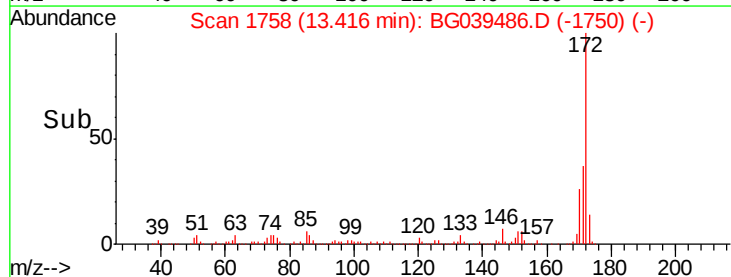
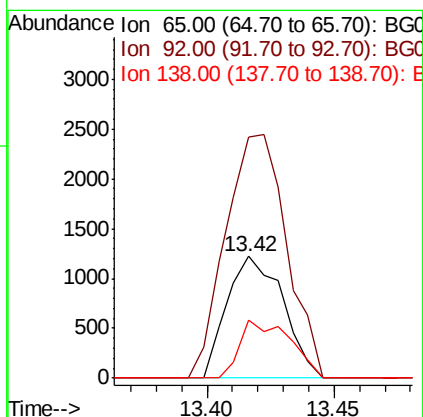
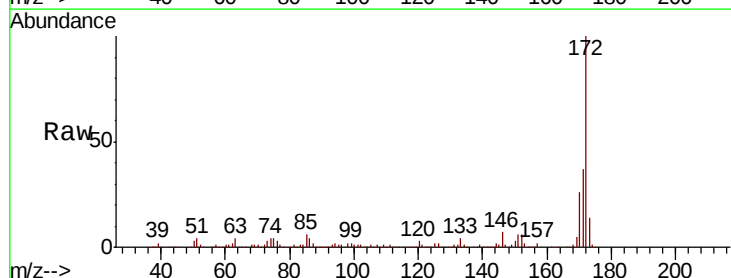
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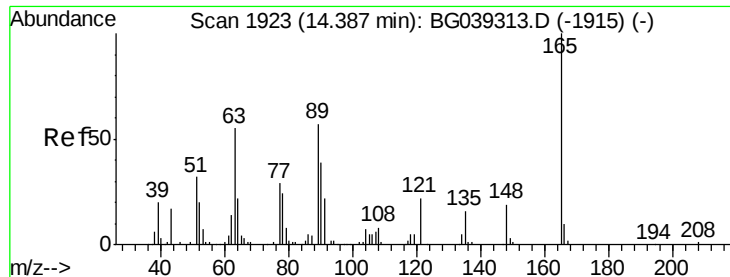
Tgt Ion: 172 Resp: 1020558
Ion Ratio Lower Upper
172 100
171 38.6 30.8 46.2
170 25.4 20.2 30.4



#48
2-Nitroaniline
Concen: 8.862 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039486.D
Acq: 13 Feb 2019 5:50

Tgt Ion: 65 Resp: 1880
Ion Ratio Lower Upper
65 100
92 197.9 51.4 77.2#
138 48.2 71.4 107.2#

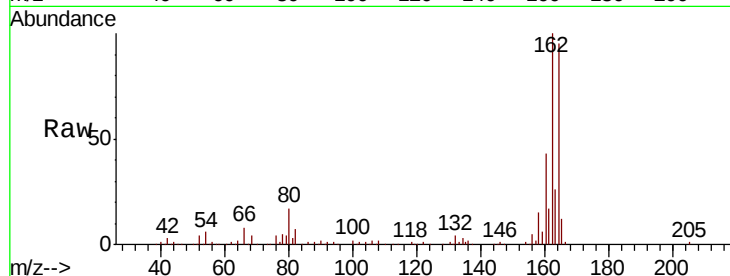




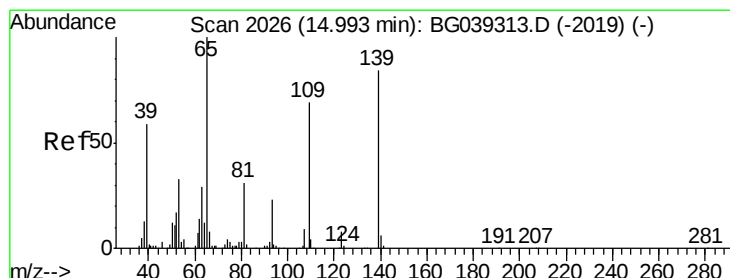
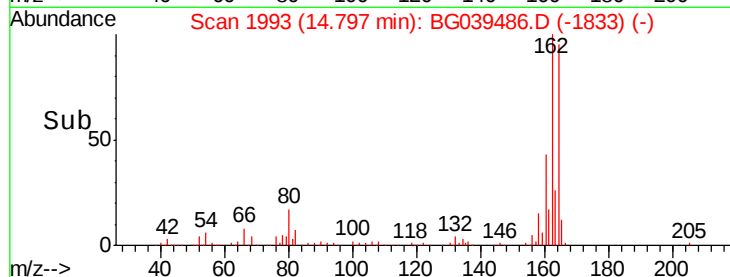
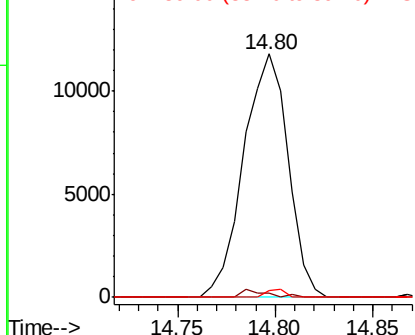
#51
2,6-Dinitrotoluene
Concen: 13.513 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039486.D
Acq: 13 Feb 2019 5:50

Instrument :
BNA_G
ClientSampleId :
M-10-S

Tgt Ion:165 Resp: 18576
Ion Ratio Lower Upper
165 100
63 1.8 47.0 70.6#
89 3.0 45.8 68.8#

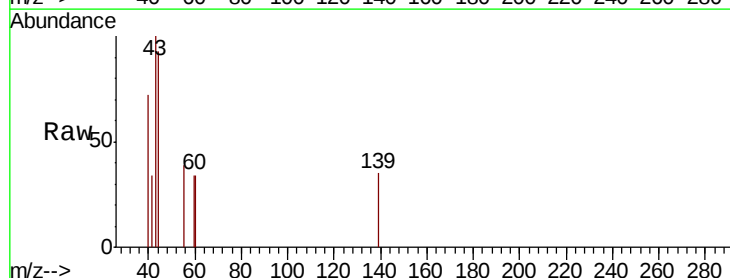


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

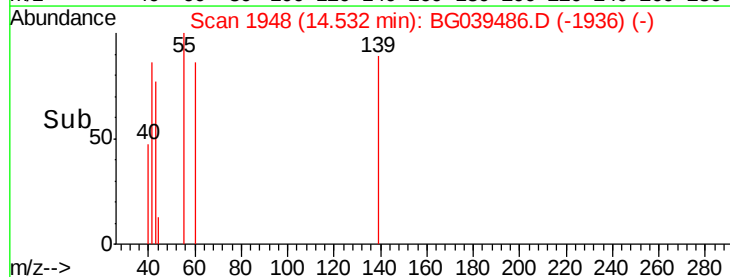
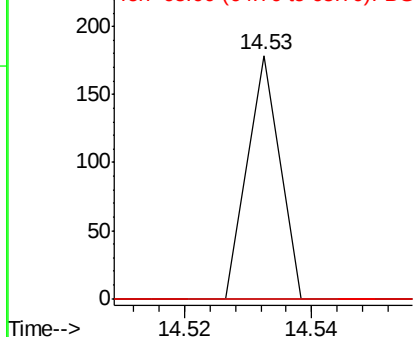


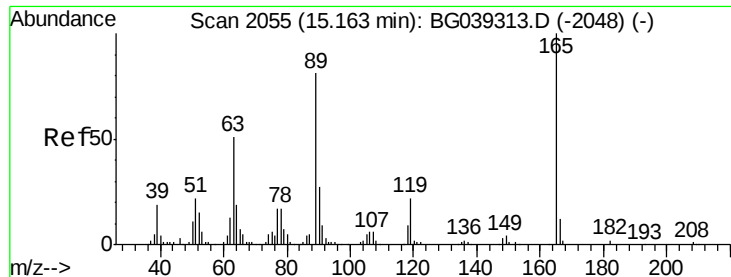
#56
4-Nitrophenol
Concen: 5.820 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.46 min
Lab File: BG039486.D
Acq: 13 Feb 2019 5:50

Tgt Ion:139 Resp: 63
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

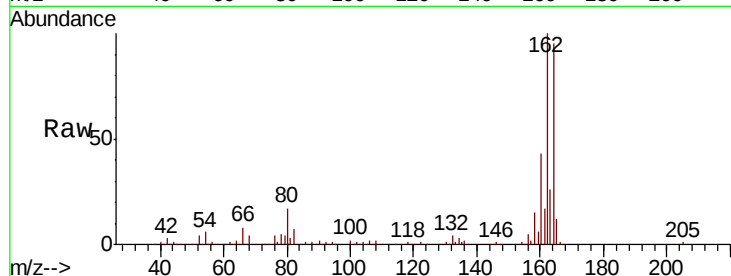




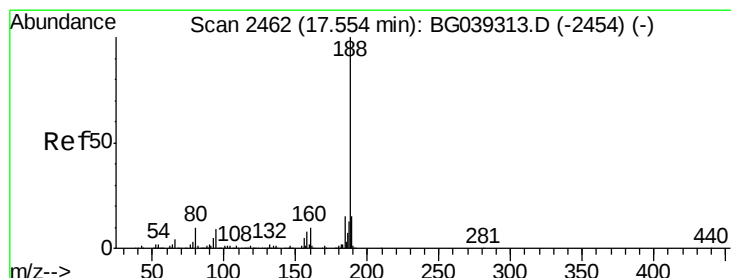
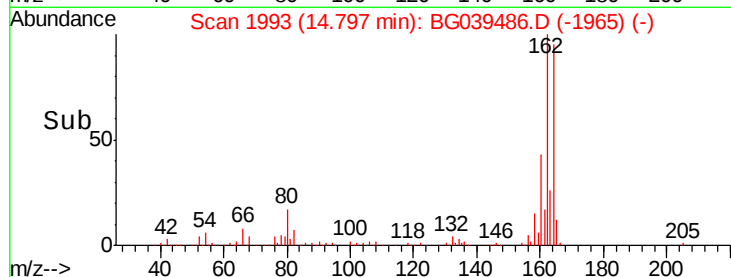
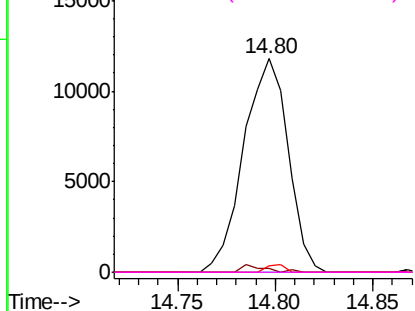
#57
 2,4-Dinitrotoluene
 Concen: 13.088 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.37 min
 Lab File: BG039486.D
 Acq: 13 Feb 2019 5:50

Instrument :
 BNA_G
 ClientSampleId :
 M-10-S

Tgt Ion:	165	Resp:	18576
Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	3.0	64.6	96.8#
182	0.0	2.0	3.0#

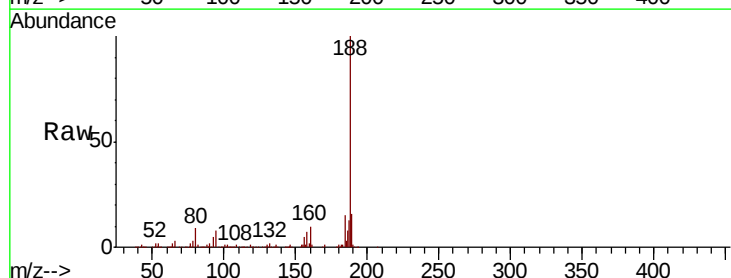


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

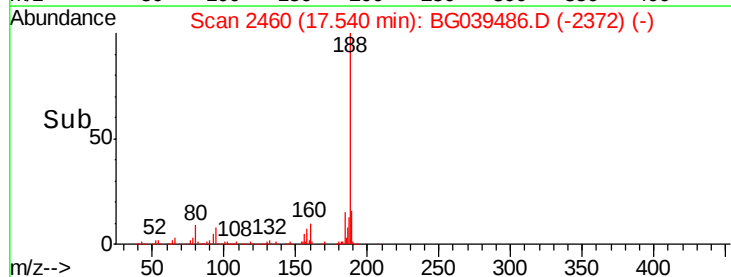
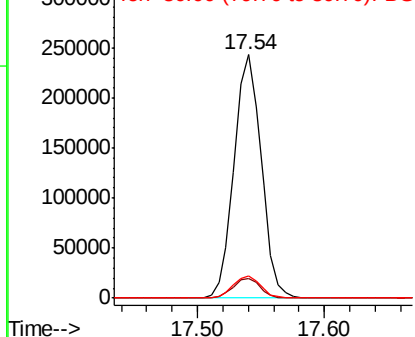


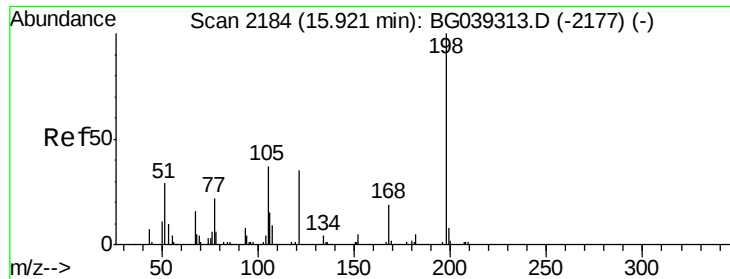
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: BG039486.D
 Acq: 13 Feb 2019 5:50

Tgt Ion:	188	Resp:	360346
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	9.1	8.1	12.1



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: 4.906 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

Instrument :

BNA_G

ClientSampleId :

M-10-S

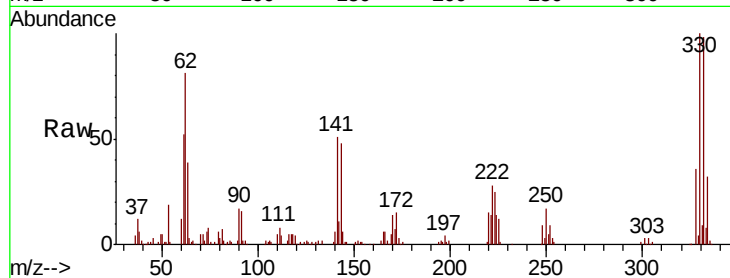
Tgt Ion:198 Resp: 822

Ion Ratio Lower Upper

198 100

51 108.7 27.4 67.4#

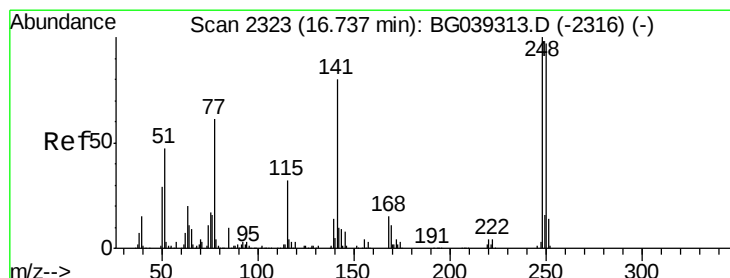
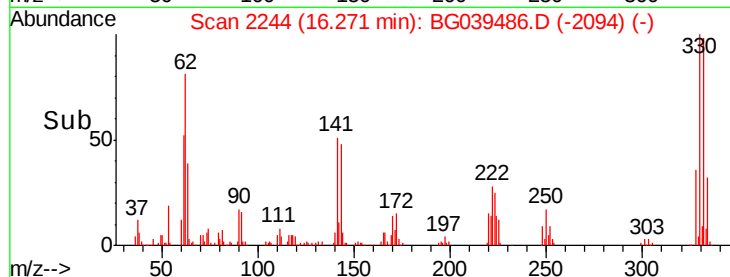
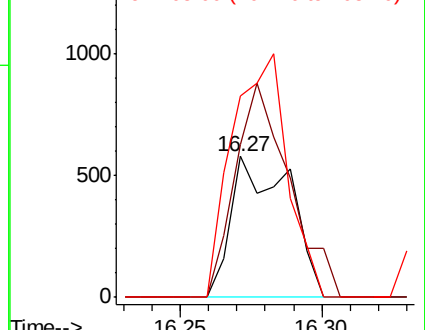
105 143.7 19.7 59.7#



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: 4.834 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.45 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

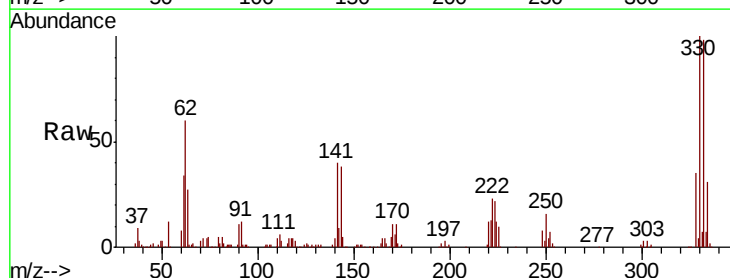
Tgt Ion:248 Resp: 19323

Ion Ratio Lower Upper

248 100

250 194.4 77.6 116.4#

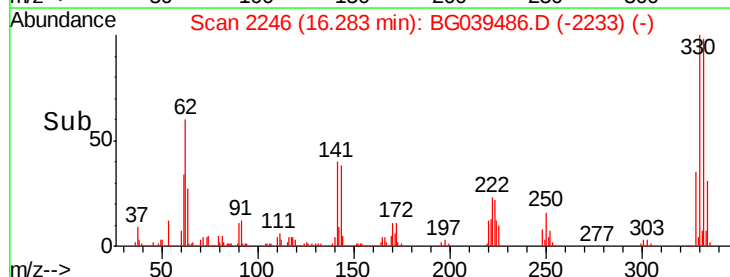
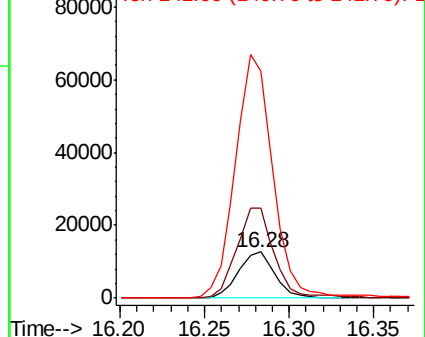
141 488.9 63.9 95.9#

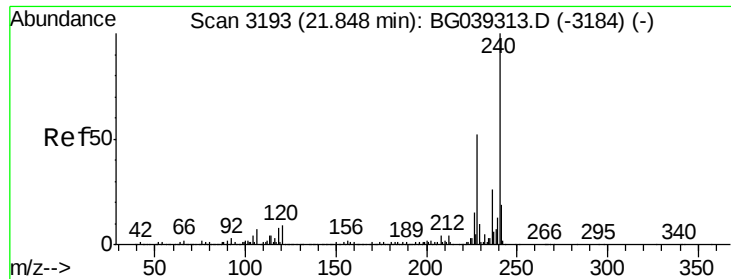


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

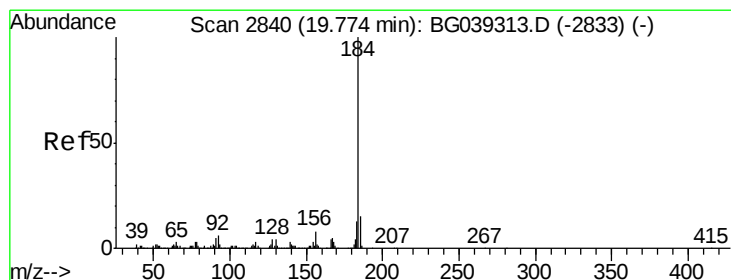
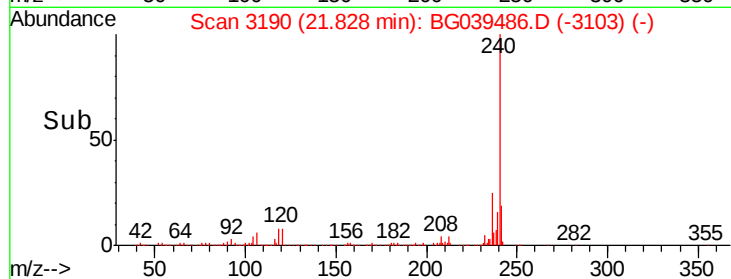
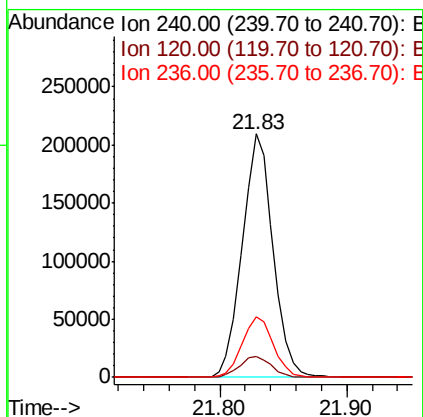
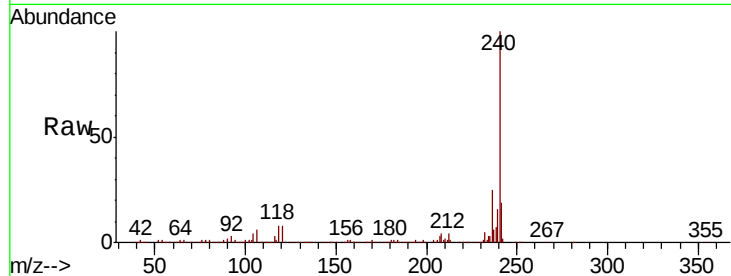




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039486.D
Acq: 13 Feb 2019 5:50

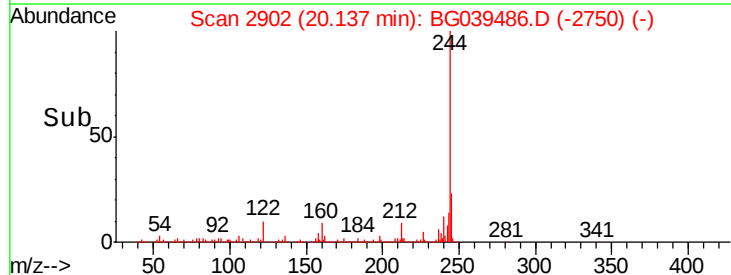
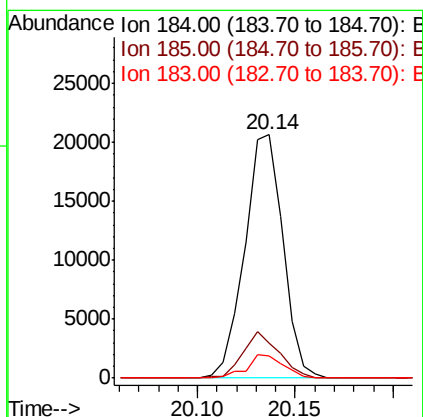
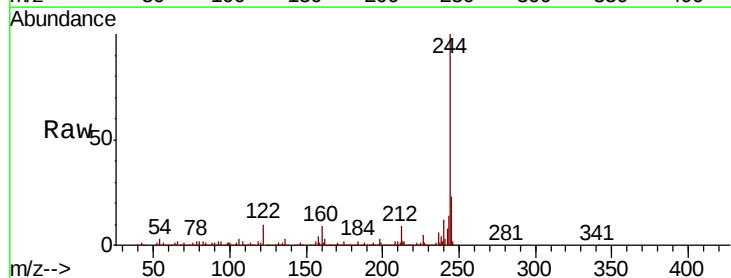
Instrument :
BNA_G
ClientSampleId :
M-10-S

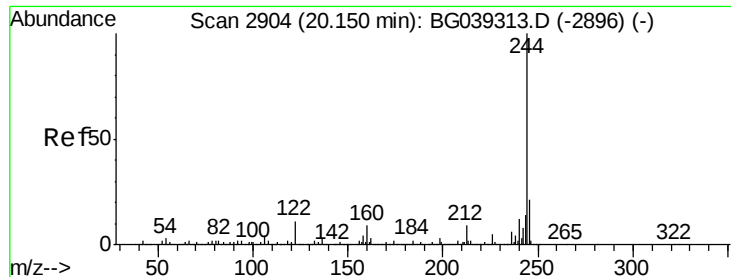
Tgt Ion: 240 Resp: 352386
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.0 21.0 31.4



#77
Benzidine
Concen: 2.424 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039486.D
Acq: 13 Feb 2019 5:50

Tgt Ion: 184 Resp: 28007
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.2
183 9.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 92.676 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

Instrument :

BNA_G

ClientSampleId :

M-10-S

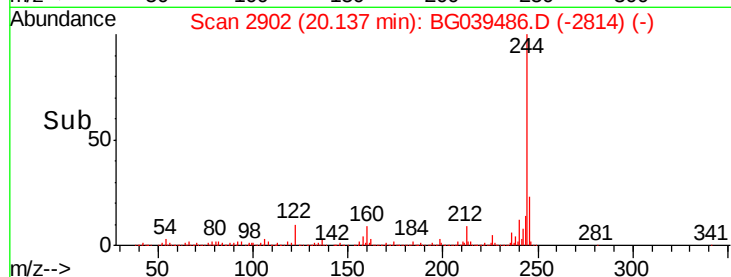
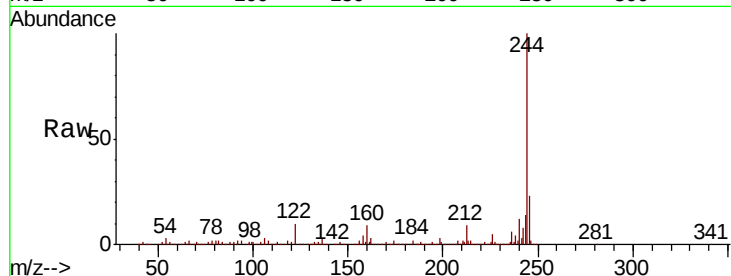
Tgt Ion:244 Resp: 1542863

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

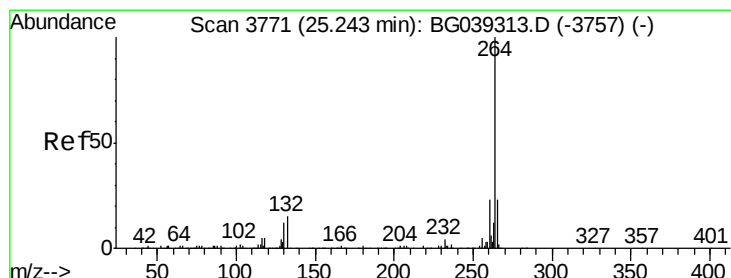
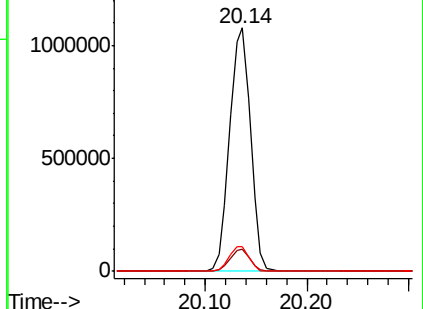
122 9.9 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039486.D

Acq: 13 Feb 2019 5:50

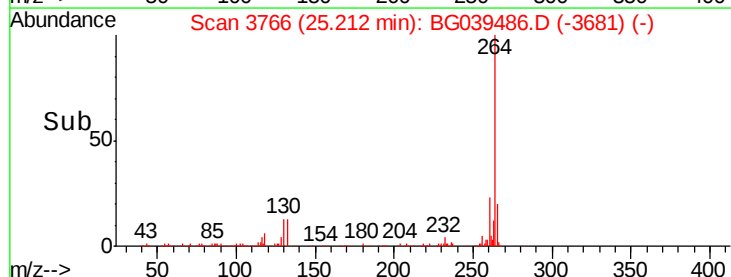
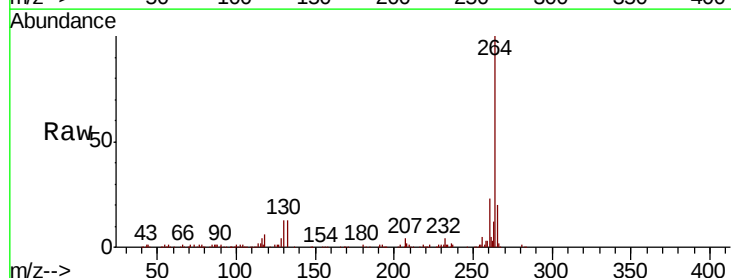
Tgt Ion:264 Resp: 344591

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 20.3 18.5 27.7



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

