

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039455.D
 Acq On : 12 Feb 2019 4:38
 Operator : JU/SJ
 Sample : K1437-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DSN001

Quant Time: Feb 12 05:15:05 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	58590	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	262493	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	182179	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	421671	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	413917	20.00	ng	-0.02
87) Perylene-d12	25.21	264	418902	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	234100	68.38	ng	0.00
7) Phenol-d6	7.31	99	216481	42.96	ng	-0.01
23) Nitrobenzene-d5	9.35	82	476936	113.51	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	309727	157.88	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1151086	90.64	ng	-0.01
79) Terphenyl-d14	20.13	244	1663187	85.05	ng	-0.02

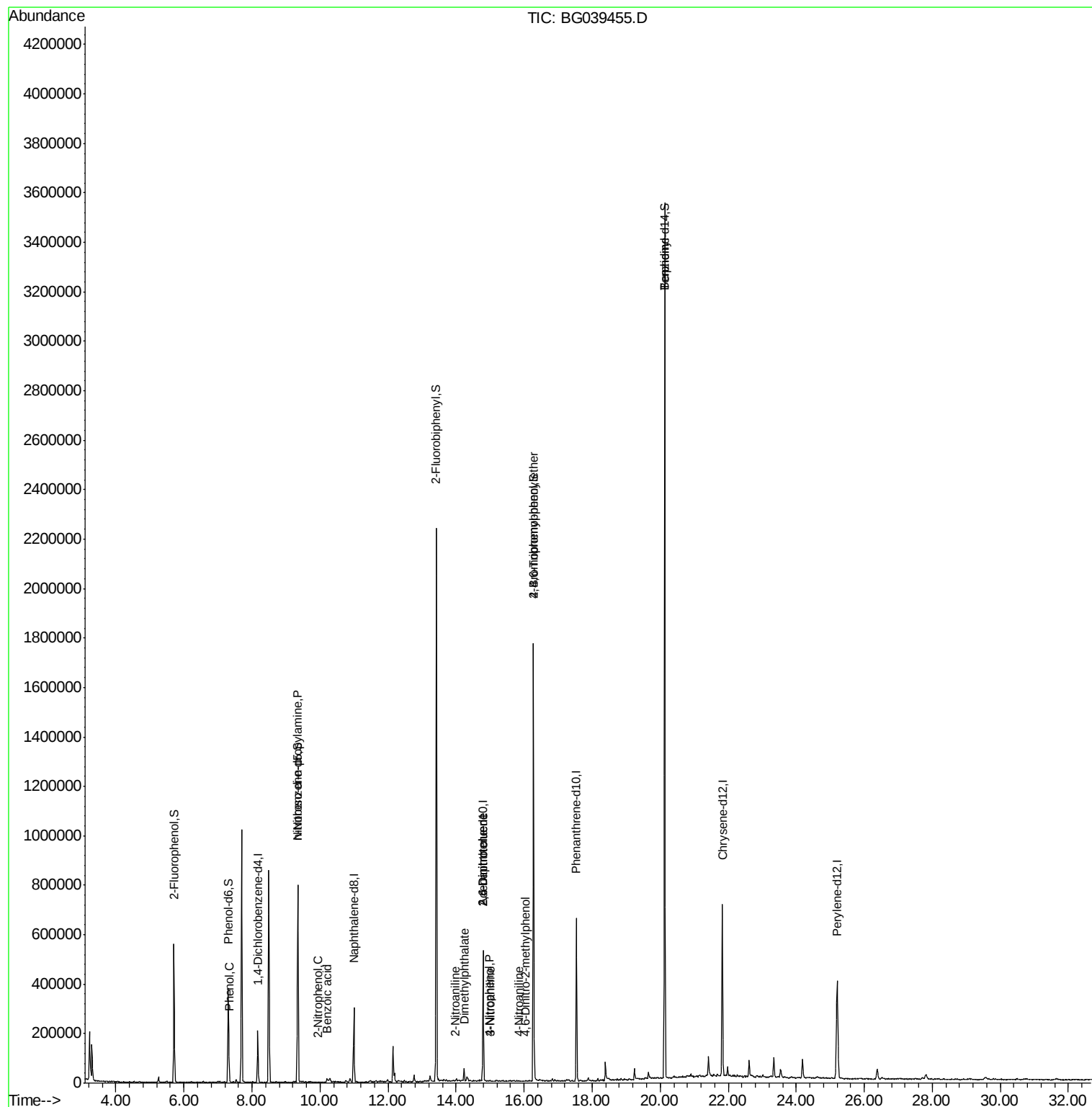
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	367	Below Cal		# 4
10) Phenol	7.33	94	13136	2.501	ng	98
19) n-Nitroso-di-n-propylamine	9.34	70	63485	17.751	ng	# 71
26) 2-Nitrophenol	9.94	139	81	4.059	ng	# 31
32) Benzoic acid	10.20	122	7222	11.399	ng	91
48) 2-Nitroaniline	13.96	65	123	8.327	ng	# 10
50) Dimethylphthalate	14.24	163	32241	2.191	ng	99
51) 2,6-Dinitrotoluene	14.80	165	24268	14.178	ng	# 23
53) 3-Nitroaniline	15.01	138	63	5.811	ng	# 1
56) 4-Nitrophenol	14.98	139	847	6.089	ng	84
57) 2,4-Dinitrotoluene	14.80	165	24268	13.592	ng	# 18
62) 4-Nitroaniline	15.84	138	224	4.269	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.04	198	67	4.221	ng	# 6
67) 4-Bromophenyl-phenylether	16.28	248	24427	5.222	ng	# 1
77) Benzidine	20.13	184	30721	2.264	ng	# 90

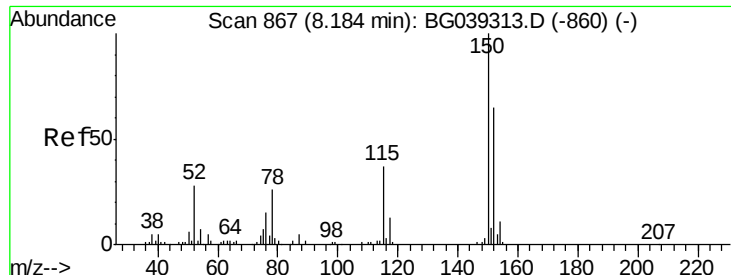
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

DSN001

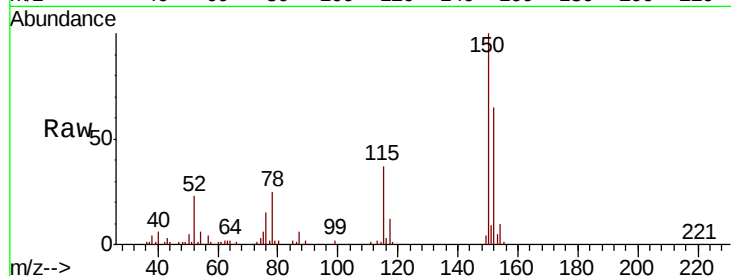
Tgt Ion:152 Resp: 58590

Ion Ratio Lower Upper

152 100

150 153.3 123.7 185.5

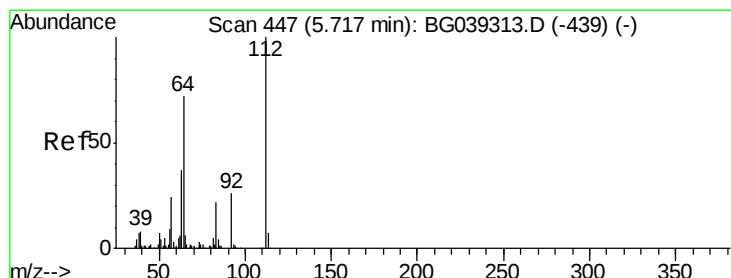
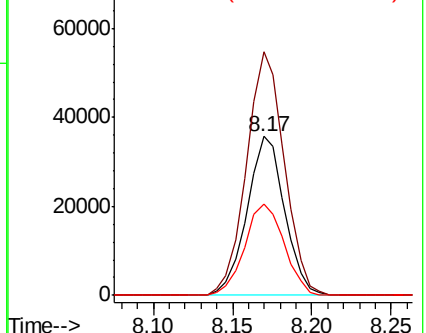
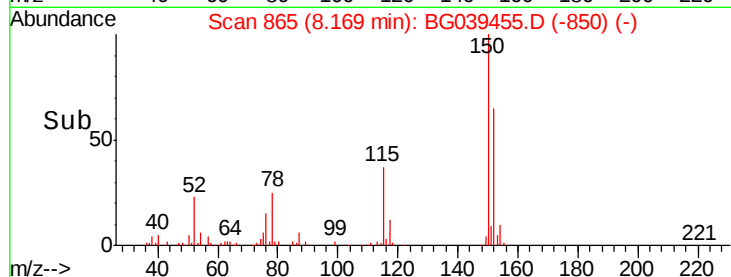
115 57.1 45.9 68.9



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: 68.384 ng

RT: 5.71 min Scan# 446

Delta R.T. -0.01 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

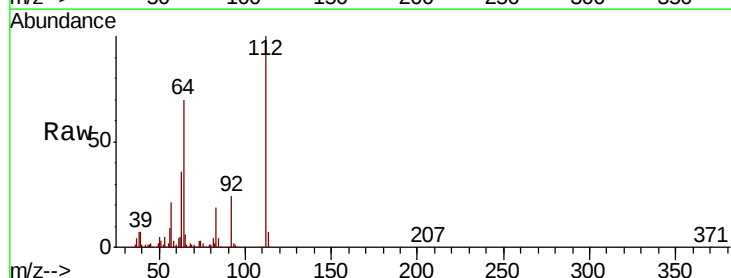
Tgt Ion:112 Resp: 234100

Ion Ratio Lower Upper

112 100

64 69.9 57.8 86.8

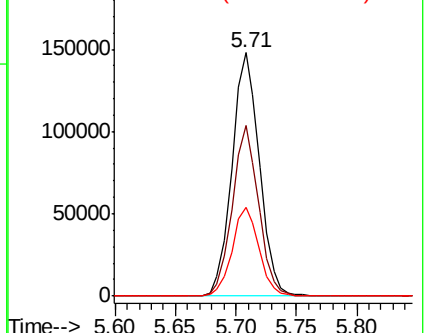
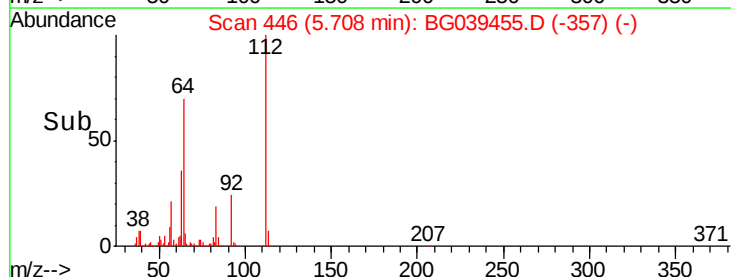
63 36.3 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 42.961 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

DSN001

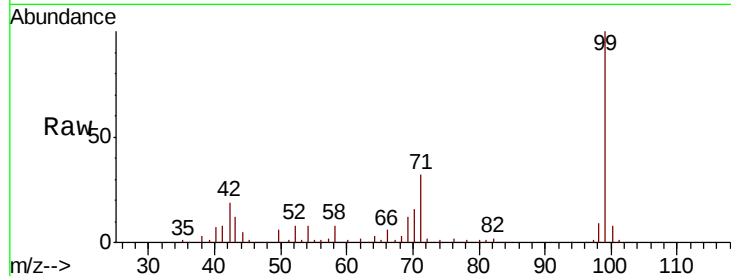
Tgt Ion: 99 Resp: 216481

Ion Ratio Lower Upper

99 100

42 19.3 18.2 27.2

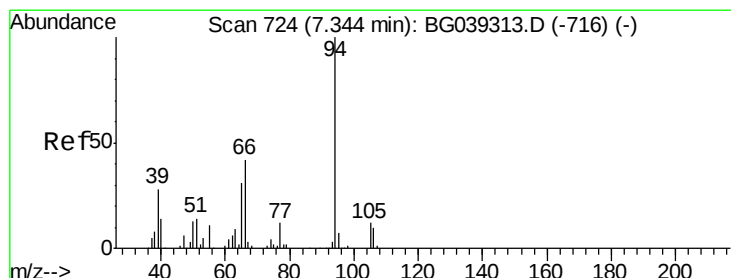
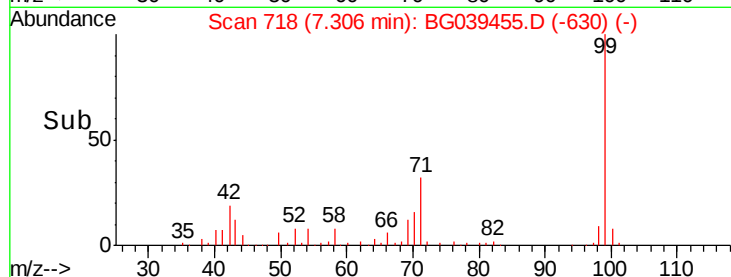
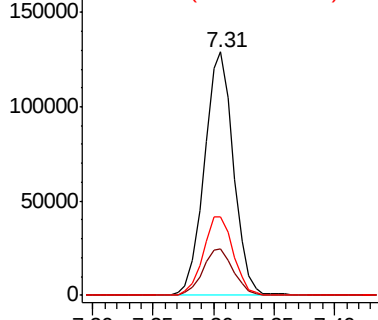
71 32.2 28.0 42.0



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



#10

Phenol

Concen: 2.501 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

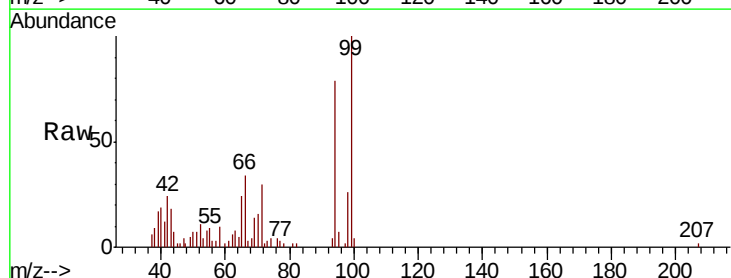
Tgt Ion: 94 Resp: 13136

Ion Ratio Lower Upper

94 100

65 30.6 11.7 51.7

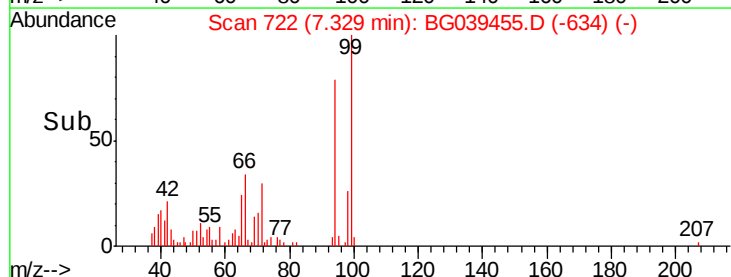
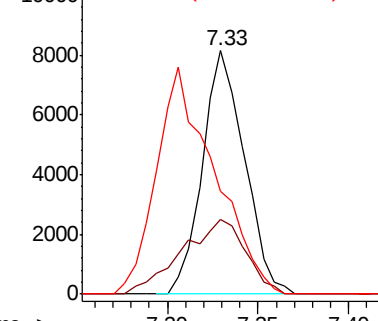
66 42.4 23.7 63.7

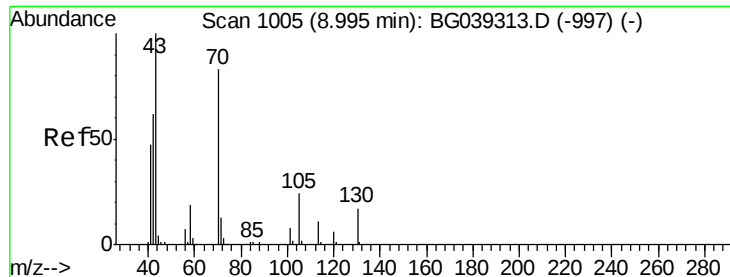


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.751 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampled :

DSN001

Tgt Ion: 70 Resp: 63485

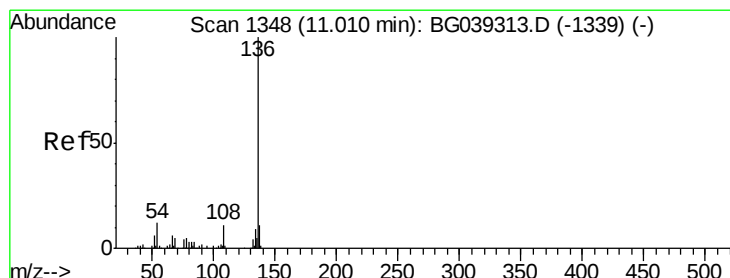
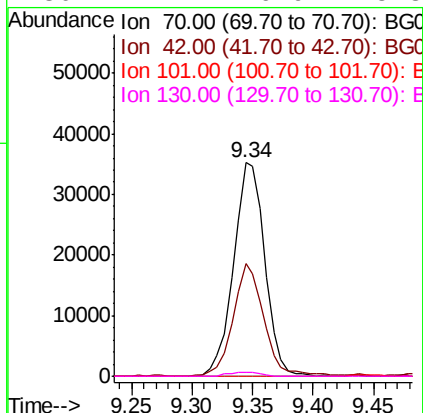
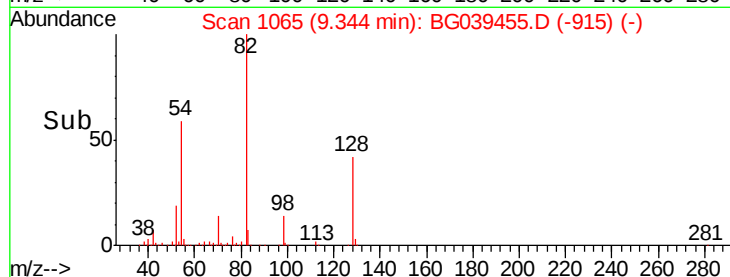
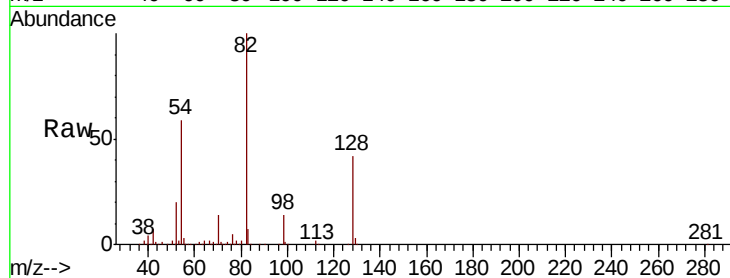
Ion Ratio Lower Upper

70 100

42 52.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Tgt Ion: 136 Resp: 262493

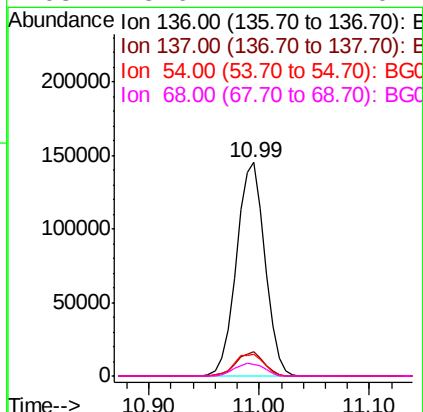
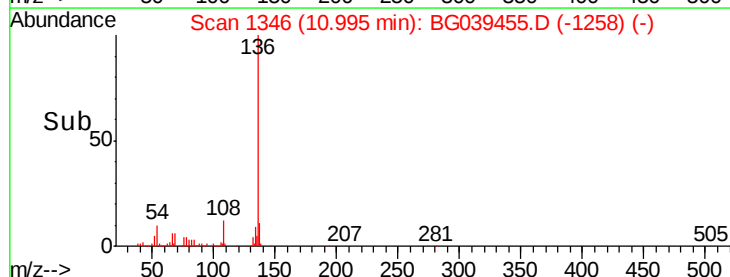
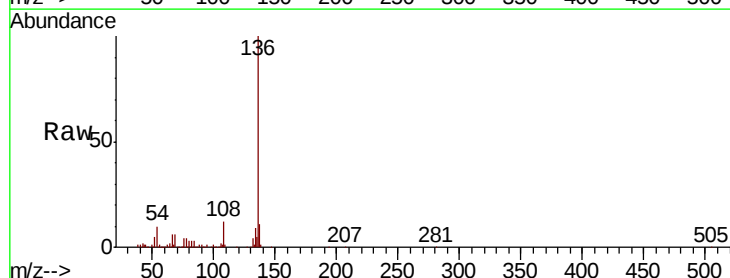
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 10.4 9.4 14.2

68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 113.508 ng

RT: 9.35 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

DSN001

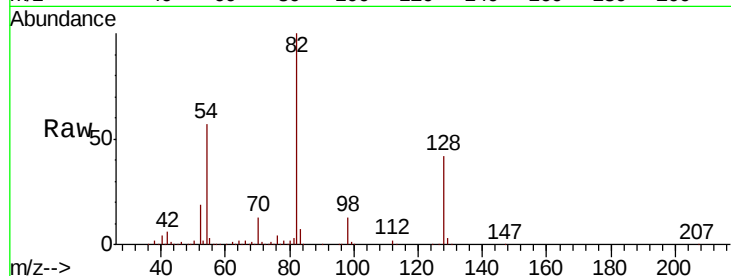
Tgt Ion: 82 Resp: 476936

Ion Ratio Lower Upper

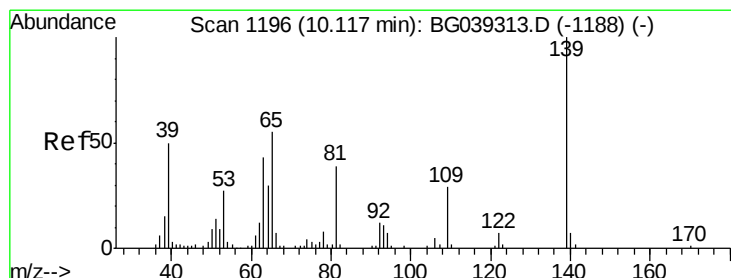
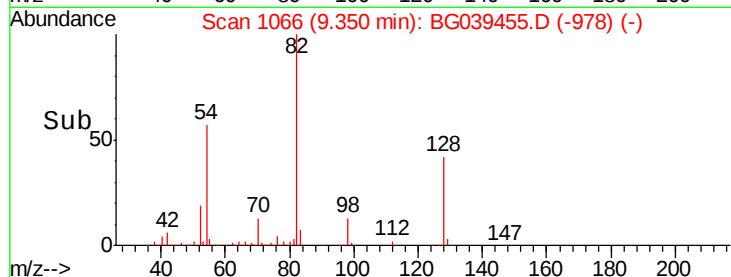
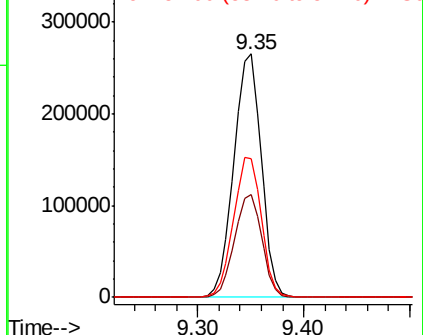
82 100

128 42.5 31.3 46.9

54 57.1 50.9 76.3



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



#26

2-Nitrophenol

Concen: 4.059 ng

RT: 9.94 min Scan# 1166

Delta R.T. -0.18 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

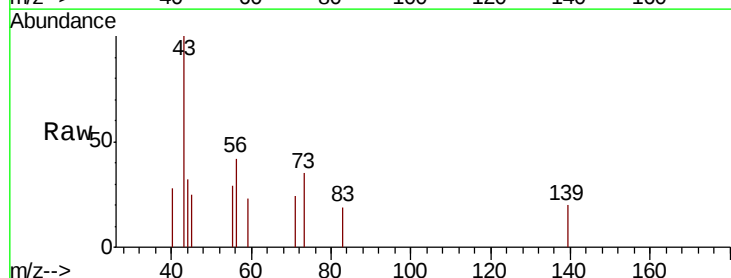
Tgt Ion: 139 Resp: 81

Ion Ratio Lower Upper

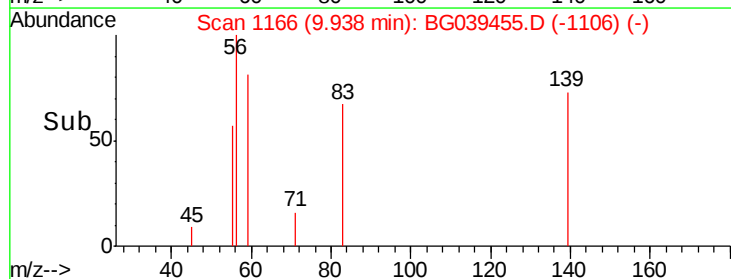
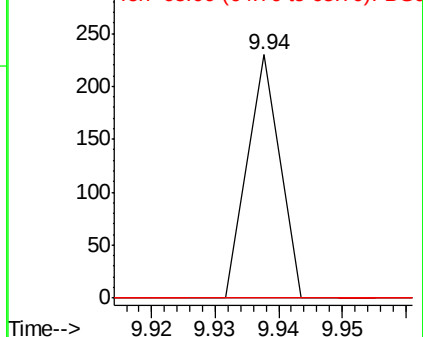
139 100

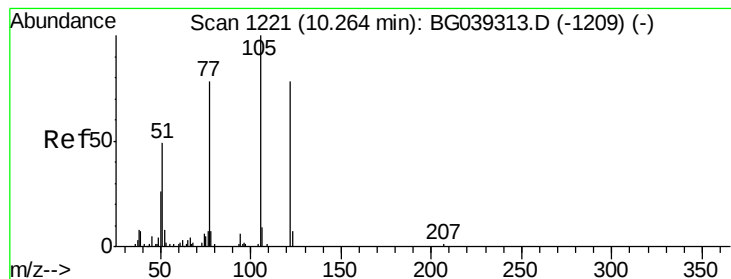
109 0.0 23.4 35.0#

65 0.0 44.3 66.5#



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





#32

Benzoic acid

Concen: 11.399 ng

RT: 10.20 min Scan# 1211

Delta R.T. -0.06 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

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ClientSampleId :

DSN001

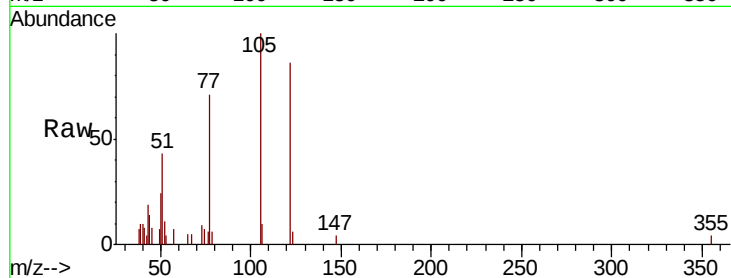
Tgt Ion:122 Resp: 7222

Ion Ratio Lower Upper

122 100

105 116.8 101.8 141.8

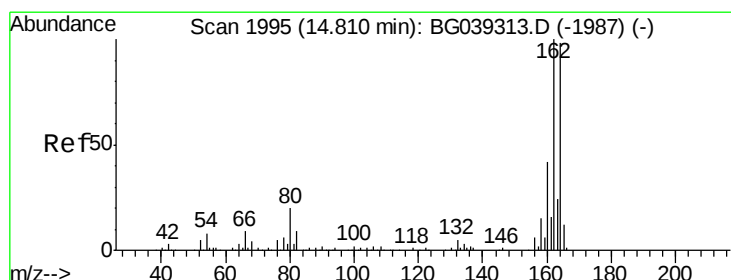
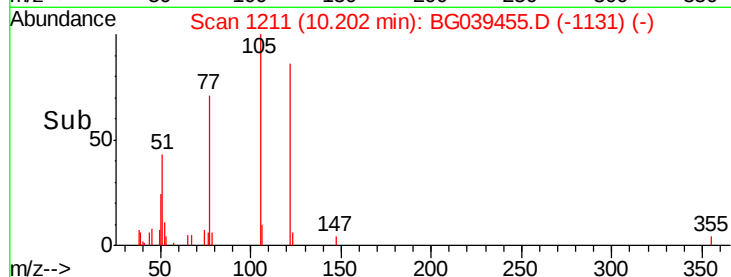
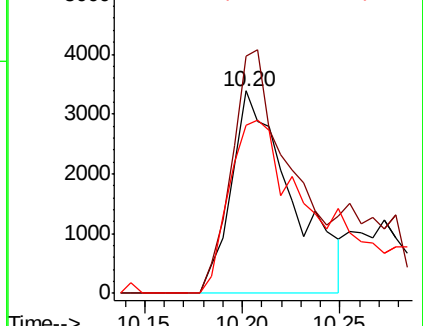
77 82.7 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

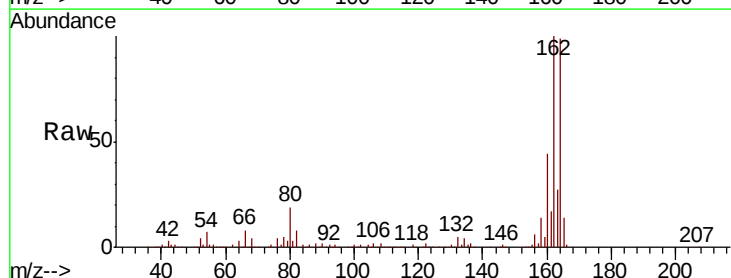
Tgt Ion:164 Resp: 182179

Ion Ratio Lower Upper

164 100

162 101.3 81.6 122.4

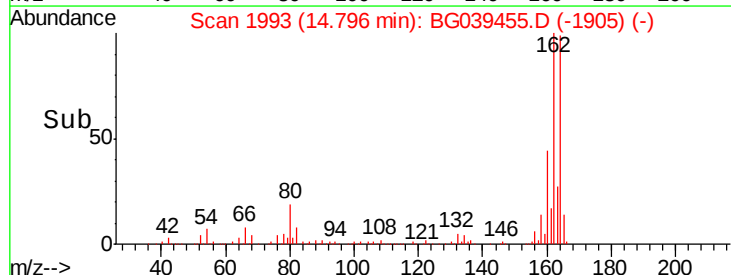
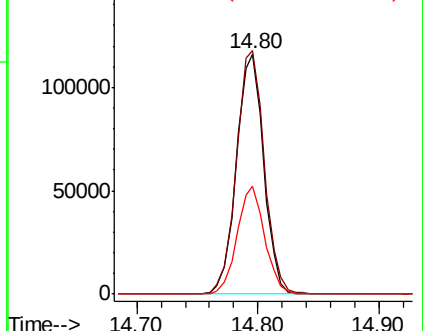
160 45.1 34.2 51.2

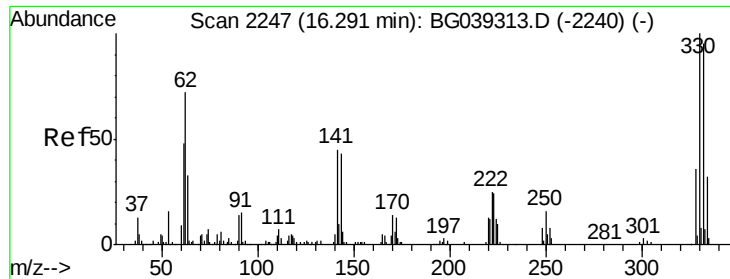


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

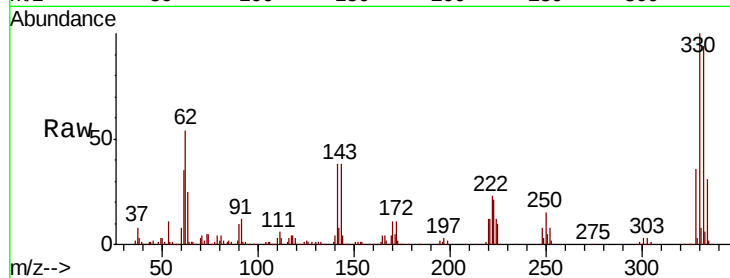




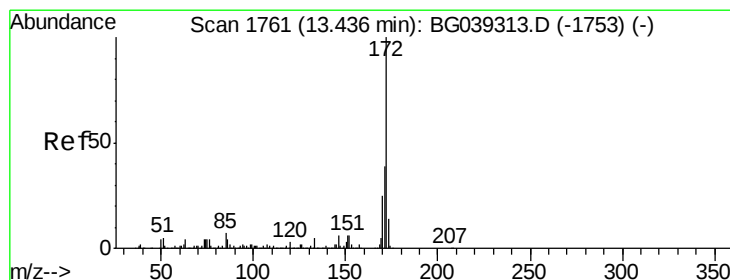
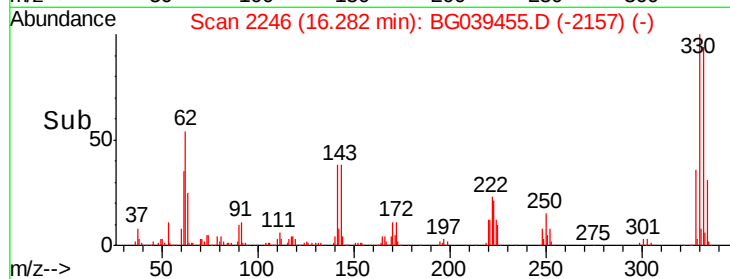
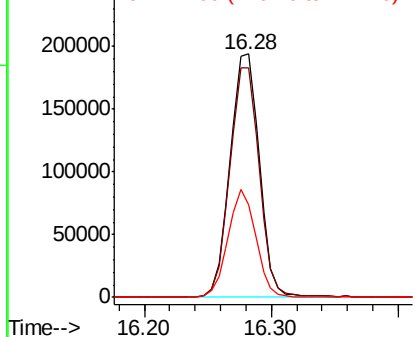
#42
 2,4,6-Tribromophenol
 Concen: 157.883 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039455.D
 Acq: 12 Feb 2019 4:38

Instrument :
 BNA_G
 ClientSampled :
 DSN001

Tgt Ion:330 Resp: 309727
 Ion Ratio Lower Upper
 330 100
 332 94.5 75.7 113.5
 141 42.1 35.6 53.4

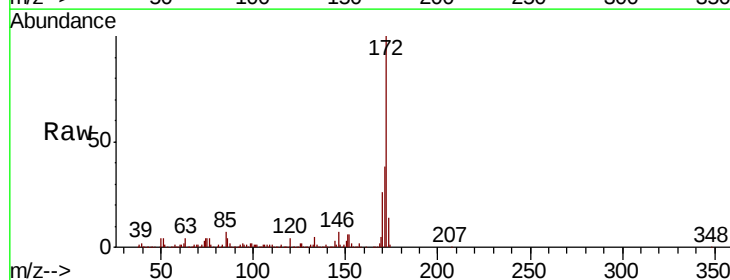


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

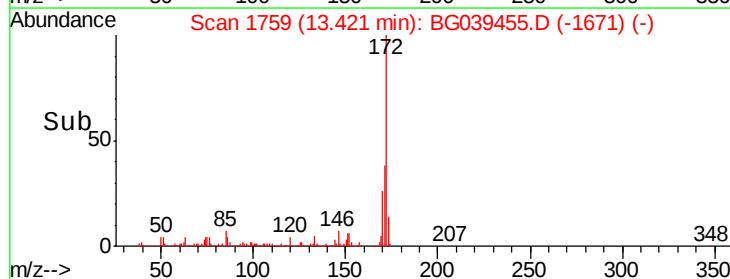
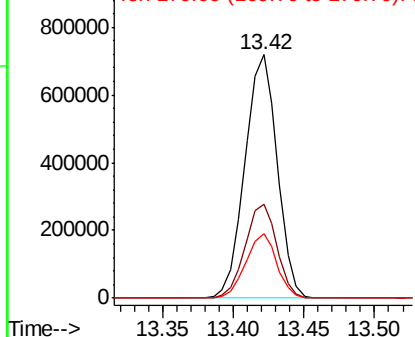


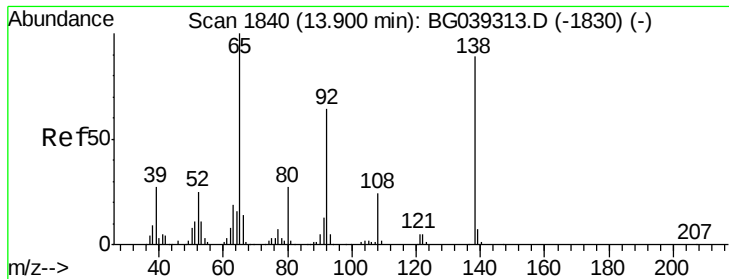
#45
 2-Fluorobiphenyl
 Concen: 90.641 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039455.D
 Acq: 12 Feb 2019 4:38

Tgt Ion:172 Resp: 1151086
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.8 46.2
 170 26.5 20.2 30.4



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





#48

2-Nitroaniline

Concen: 8.327 ng

RT: 13.96 min Scan# 1851

Delta R.T. 0.06 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

DSN001

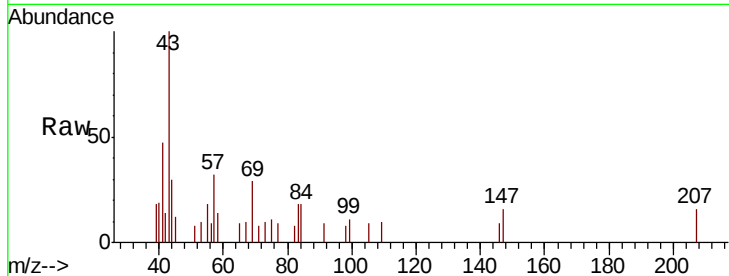
Tgt Ion: 65 Resp: 123

Ion Ratio Lower Upper

65 100

92 0.0 51.4 77.2#

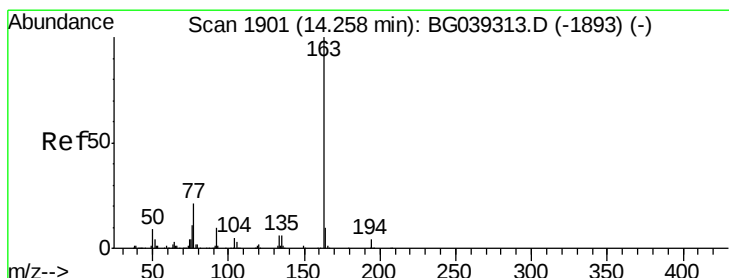
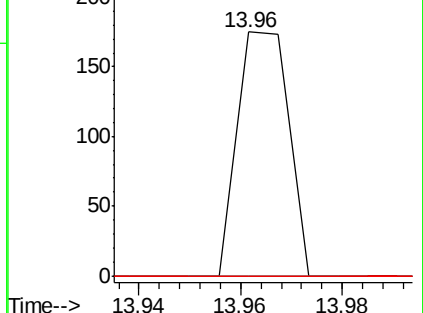
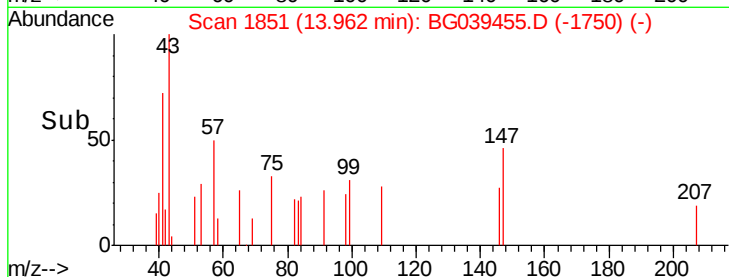
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BG039455.D (-1750) (-)

Ion 92.00 (91.70 to 92.70): BG039455.D (-1750) (-)

Ion 138.00 (137.70 to 138.70): BG039455.D (-1750) (-)



#50

Dimethylphthalate

Concen: 2.191 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

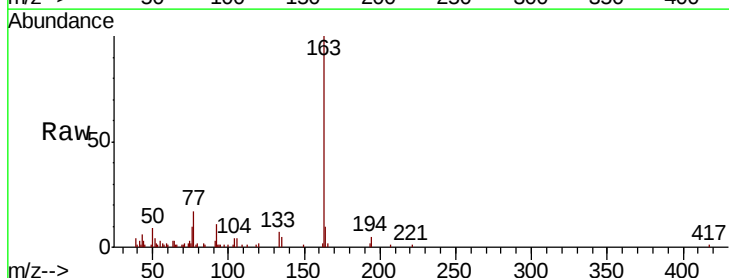
Tgt Ion: 163 Resp: 32241

Ion Ratio Lower Upper

163 100

194 5.1 3.6 5.4

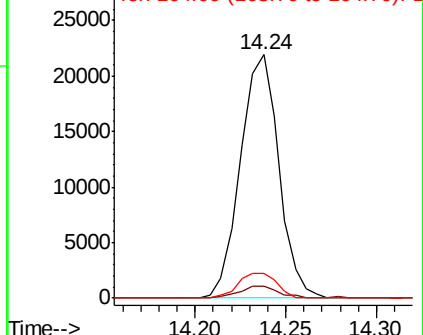
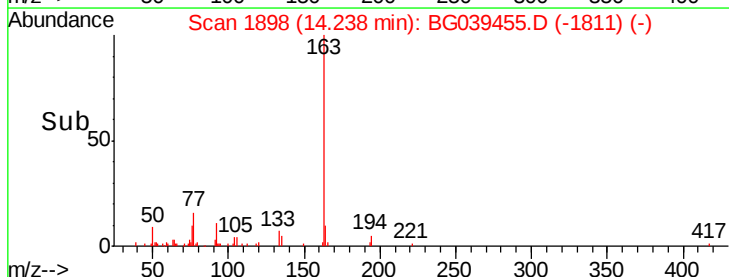
164 10.3 8.4 12.6

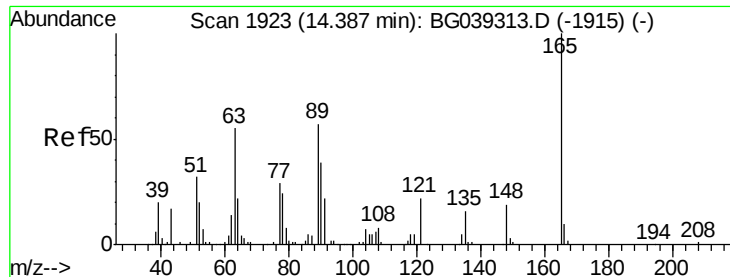


Abundance Ion 163.00 (162.70 to 163.70): BG039455.D (-1811) (-)

Ion 194.00 (193.70 to 194.70): BG039455.D (-1811) (-)

Ion 164.00 (163.70 to 164.70): BG039455.D (-1811) (-)





#51

2,6-Dinitrotoluene

Concen: 14.178 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

DSN001

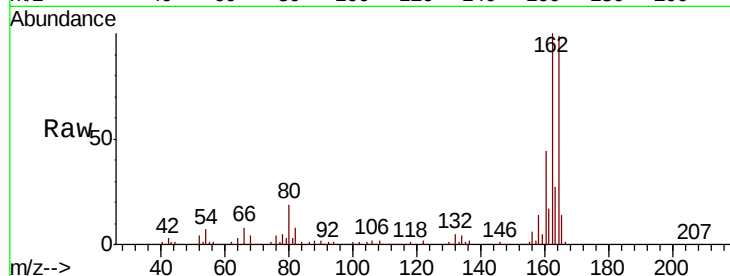
Tgt Ion:165 Resp: 24268

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

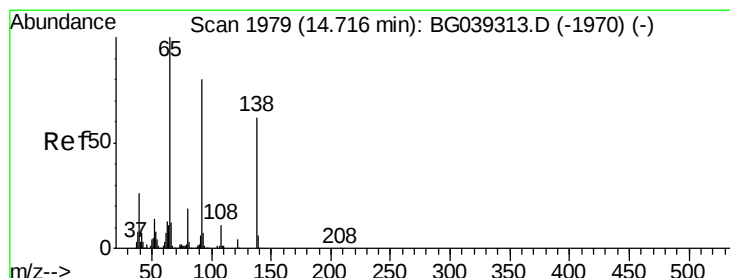
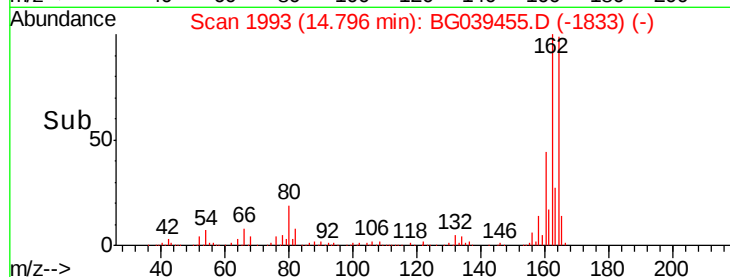
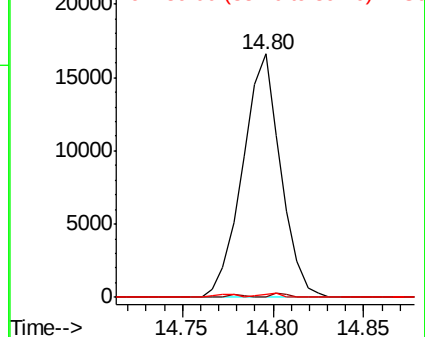
89 1.1 45.8 68.8#



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



#53

3-Nitroaniline

Concen: 5.811 ng

RT: 15.01 min Scan# 2029

Delta R.T. 0.29 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

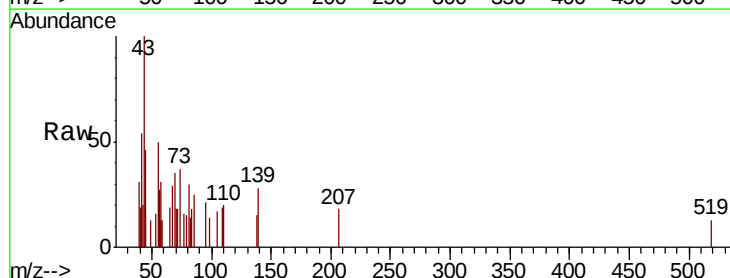
Tgt Ion:138 Resp: 63

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

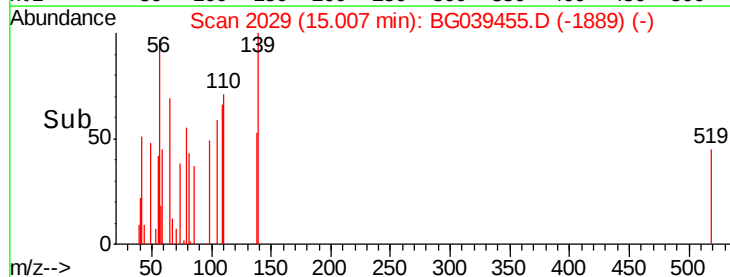
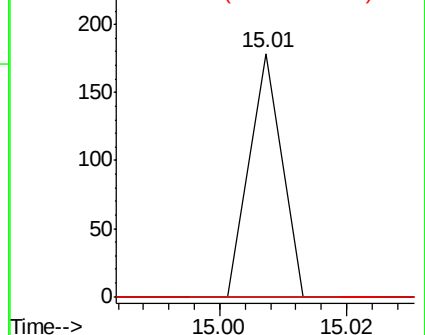
92 0.0 103.7 155.5#

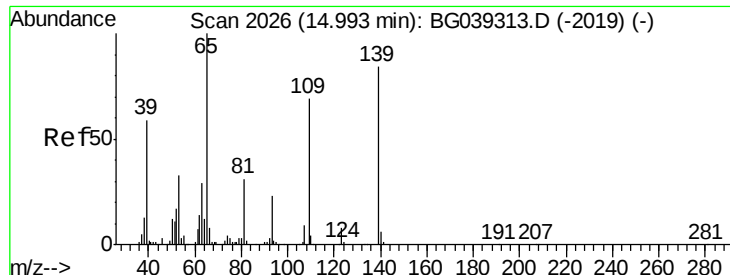


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#56

4-Nitrophenol

Concen: 6.089 ng

RT: 14.98 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

DSN001

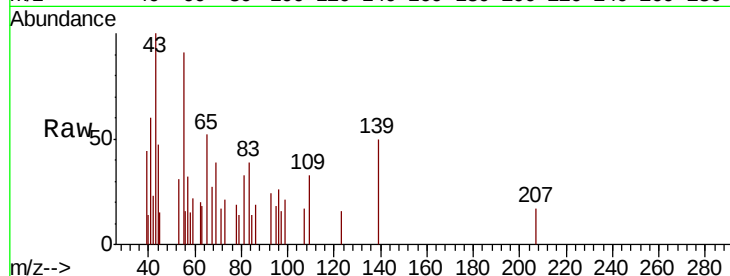
Tgt Ion:139 Resp: 847

Ion Ratio Lower Upper

139 100

109 66.1 61.9 101.9

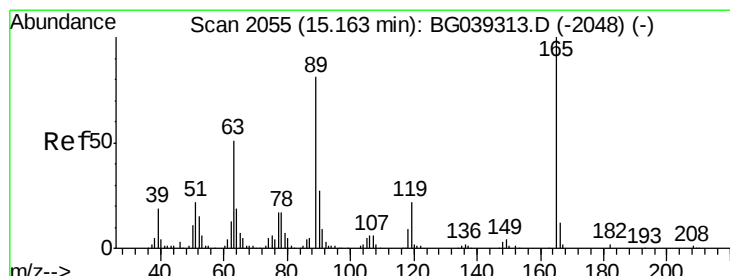
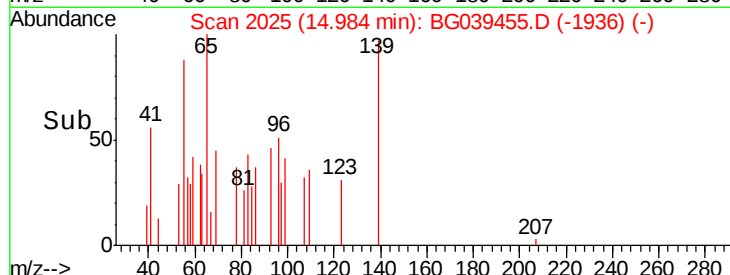
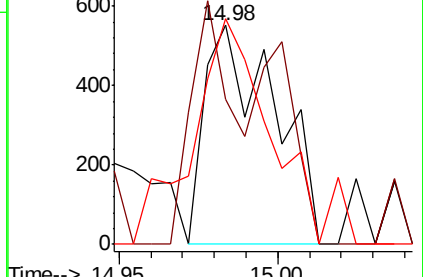
65 102.9 99.1 139.1



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: 13.592 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Tgt Ion:165 Resp: 24268

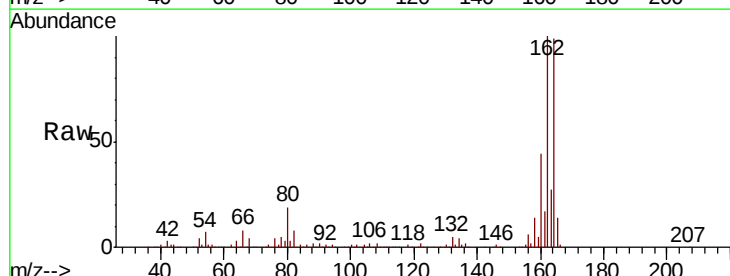
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.1 64.6 96.8#

182 0.0 2.0 3.0#

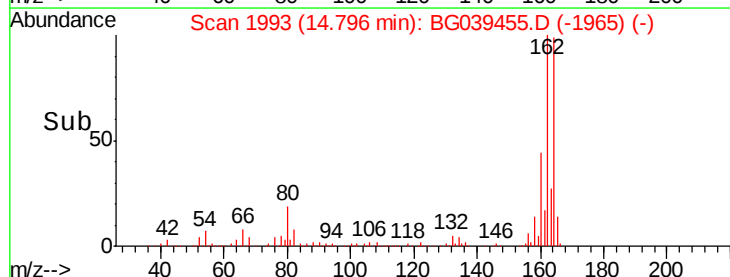
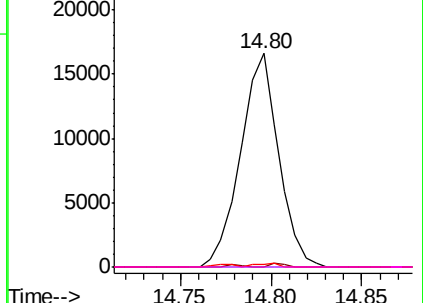


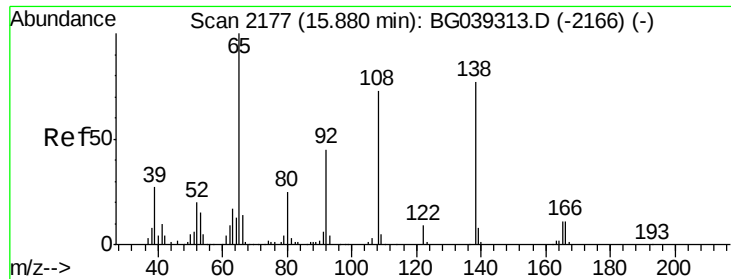
Abundance Ion 165.00 (164.70 to 165.70): E

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

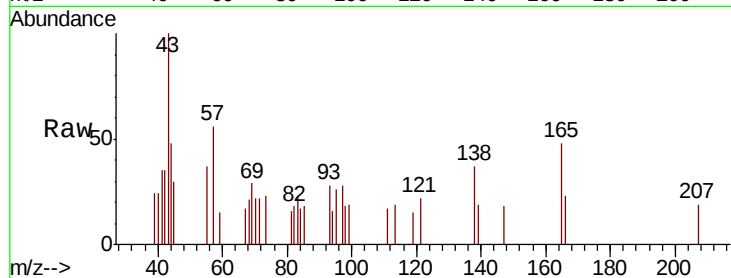




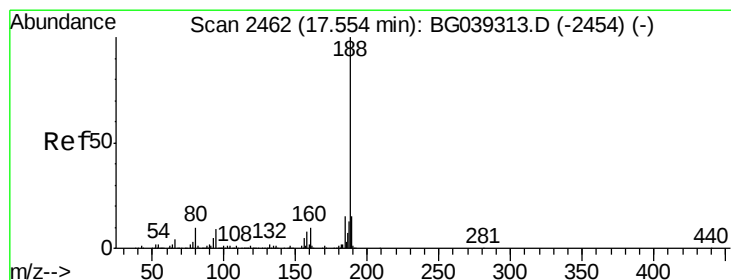
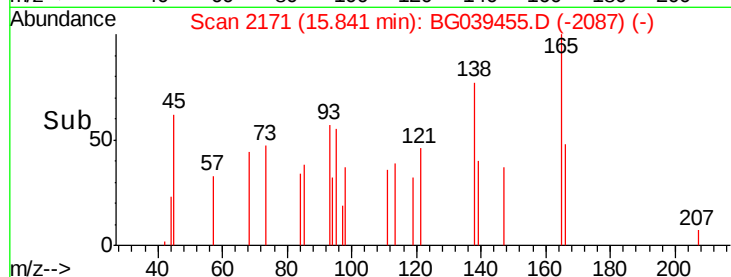
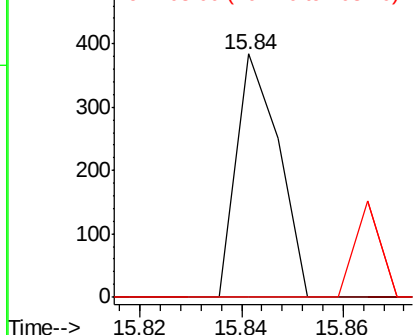
#62
4-Nitroaniline
Concen: 4.269 ng
RT: 15.84 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BG039455.D
Acq: 12 Feb 2019 4:38

Instrument :
BNA_G
ClientSampleID :
DSN001

Tgt Ion:138 Resp: 224
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 74.6 114.6#

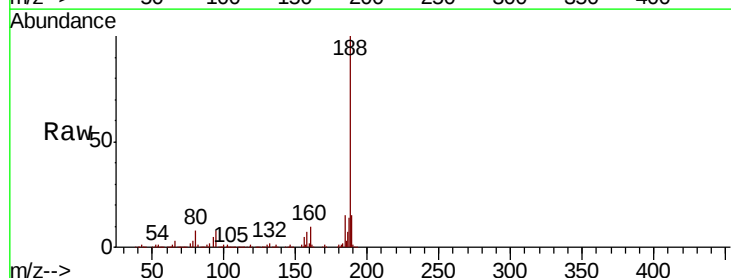


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

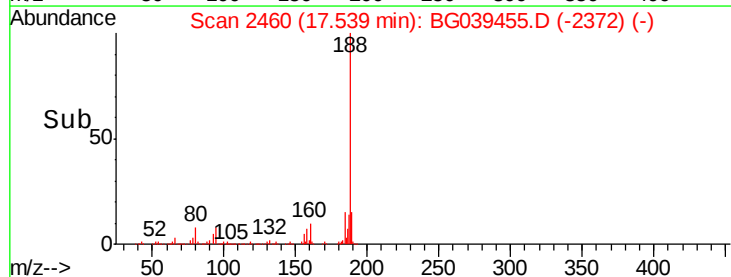
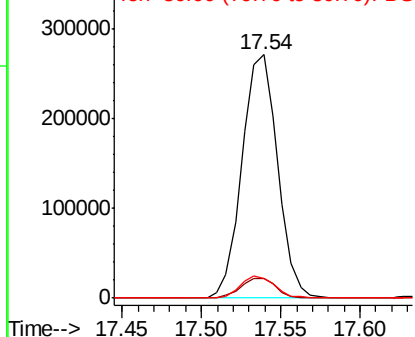


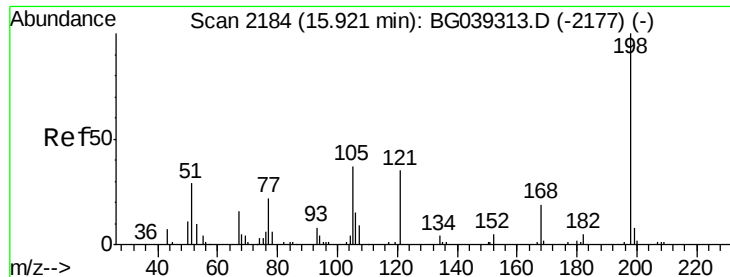
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG039455.D
Acq: 12 Feb 2019 4:38

Tgt Ion:188 Resp: 421671
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 8.2 8.1 12.1



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: 4.221 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.12 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

DSN001

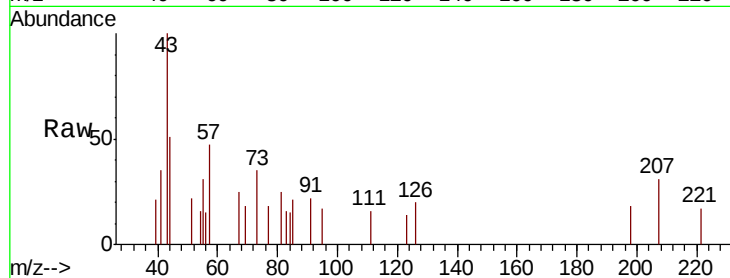
Tgt Ion:198 Resp: 67

Ion Ratio Lower Upper

198 100

51 127.4 27.4 67.4#

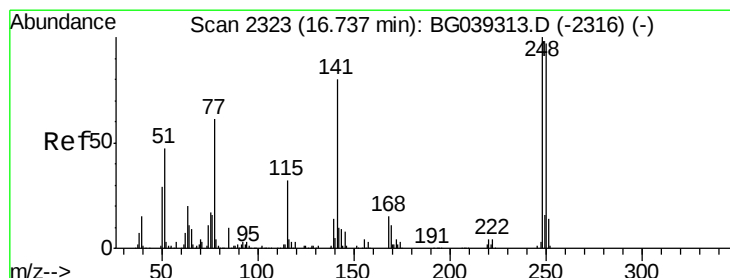
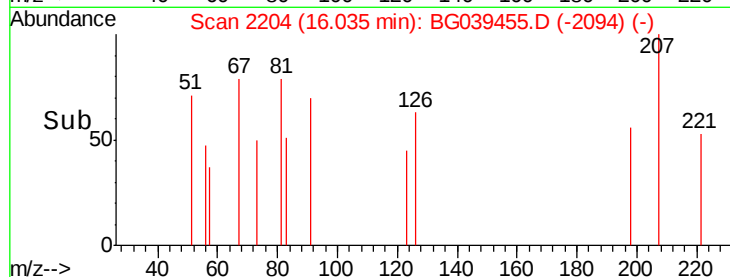
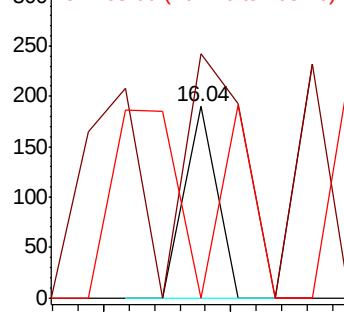
105 0.0 19.7 59.7#



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: 5.222 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

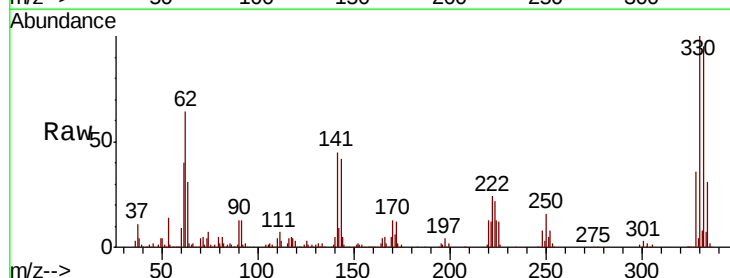
Tgt Ion:248 Resp: 24427

Ion Ratio Lower Upper

248 100

250 192.5 77.6 116.4#

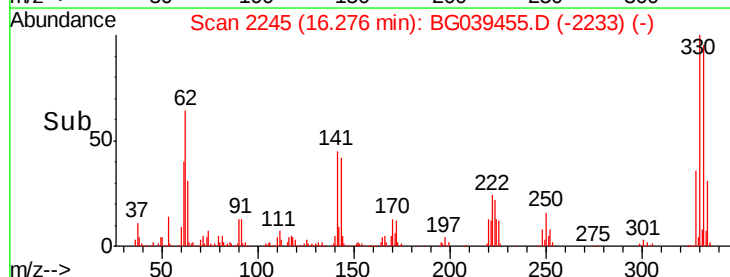
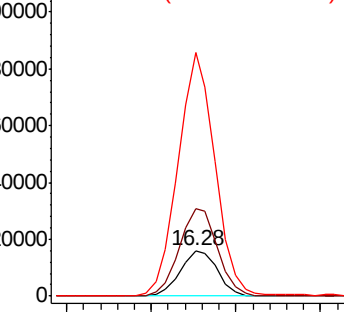
141 536.4 63.9 95.9#

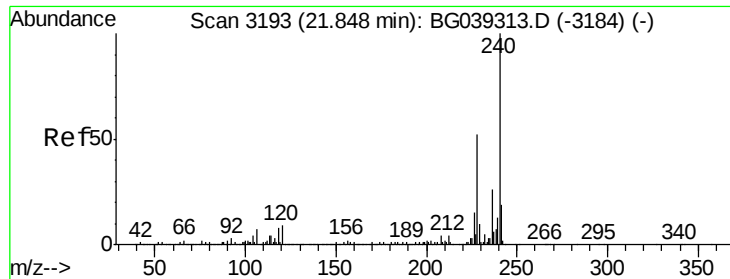


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

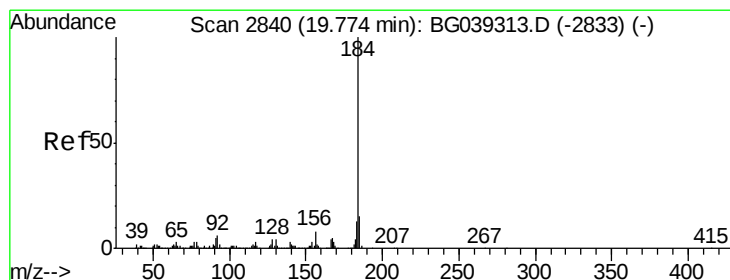
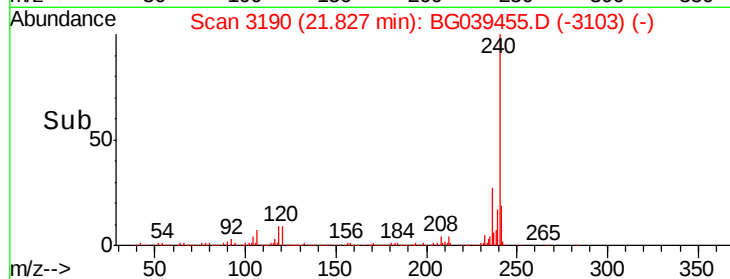
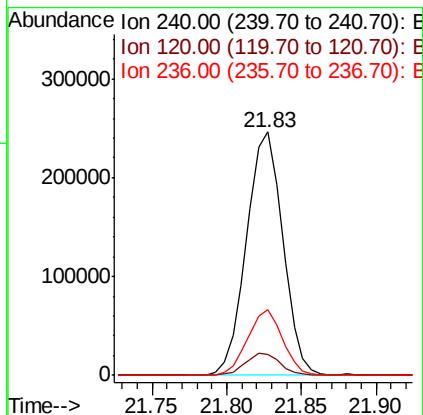
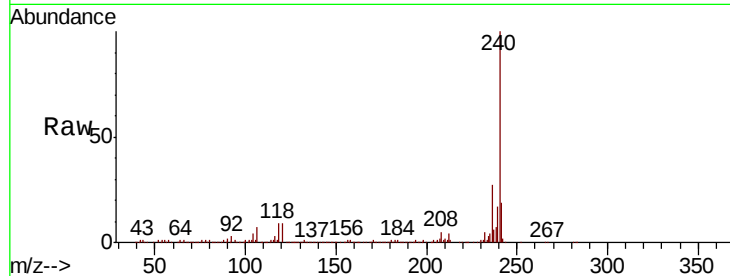




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039455.D
Acq: 12 Feb 2019 4:38

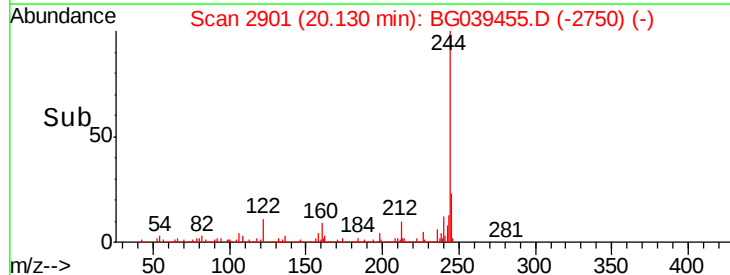
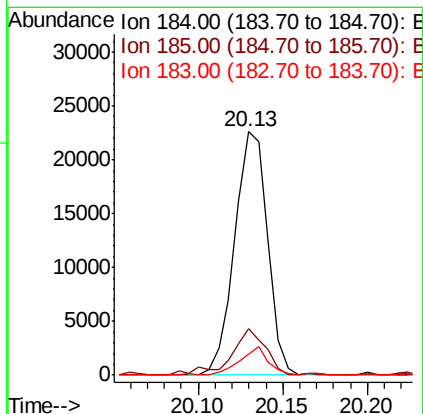
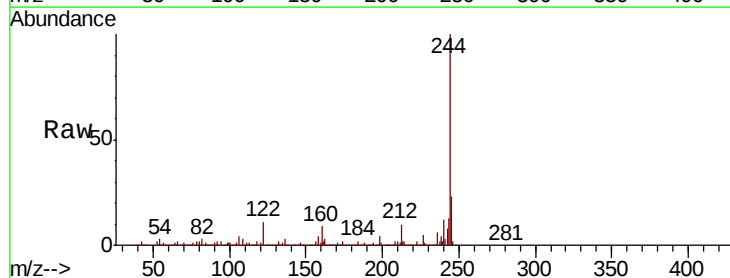
Instrument :
BNA_G
ClientSampleId :
DSN001

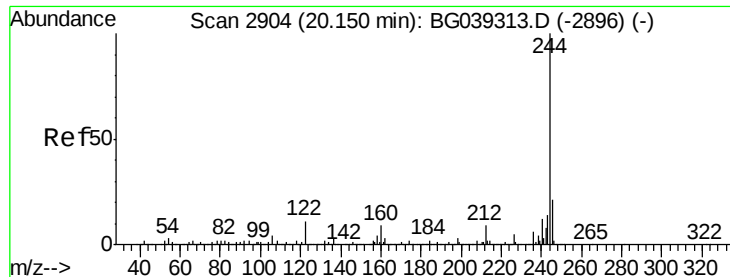
Tgt Ion:240 Resp: 413917
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 26.9 21.0 31.4



#77
Benzidine
Concen: 2.264 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039455.D
Acq: 12 Feb 2019 4:38

Tgt Ion:184 Resp: 30721
Ion Ratio Lower Upper
184 100
185 19.0 12.2 18.2#
183 8.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 85.052 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

Instrument :

BNA_G

ClientSampleId :

DSN001

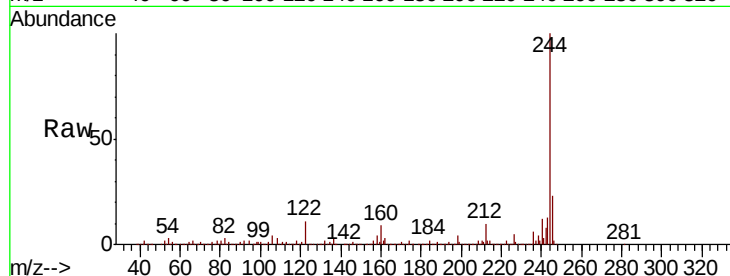
Tgt Ion:244 Resp: 1663187

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

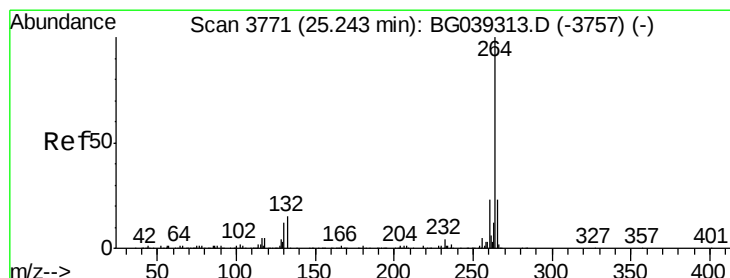
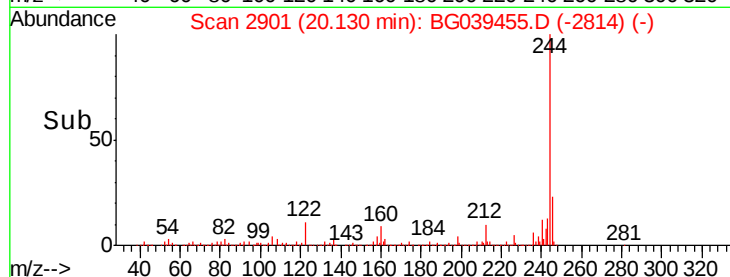
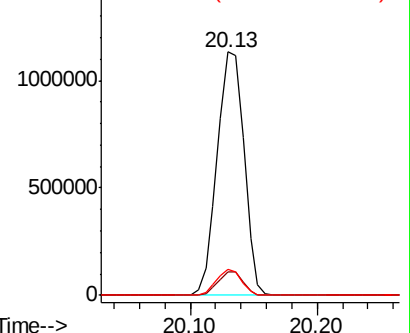
122 10.5 8.4 12.6



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# 3765

Delta R.T. -0.04 min

Lab File: BG039455.D

Acq: 12 Feb 2019 4:38

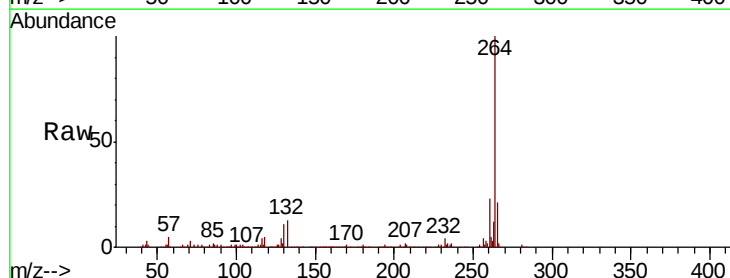
Tgt Ion:264 Resp: 418902

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 20.9 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

