

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011519\
 Data File : BG039140.D
 Acq On : 15 Jan 2019 20:30
 Operator : JU/SJ
 Sample : K1139-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-8

Quant Time: Jan 16 01:10:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

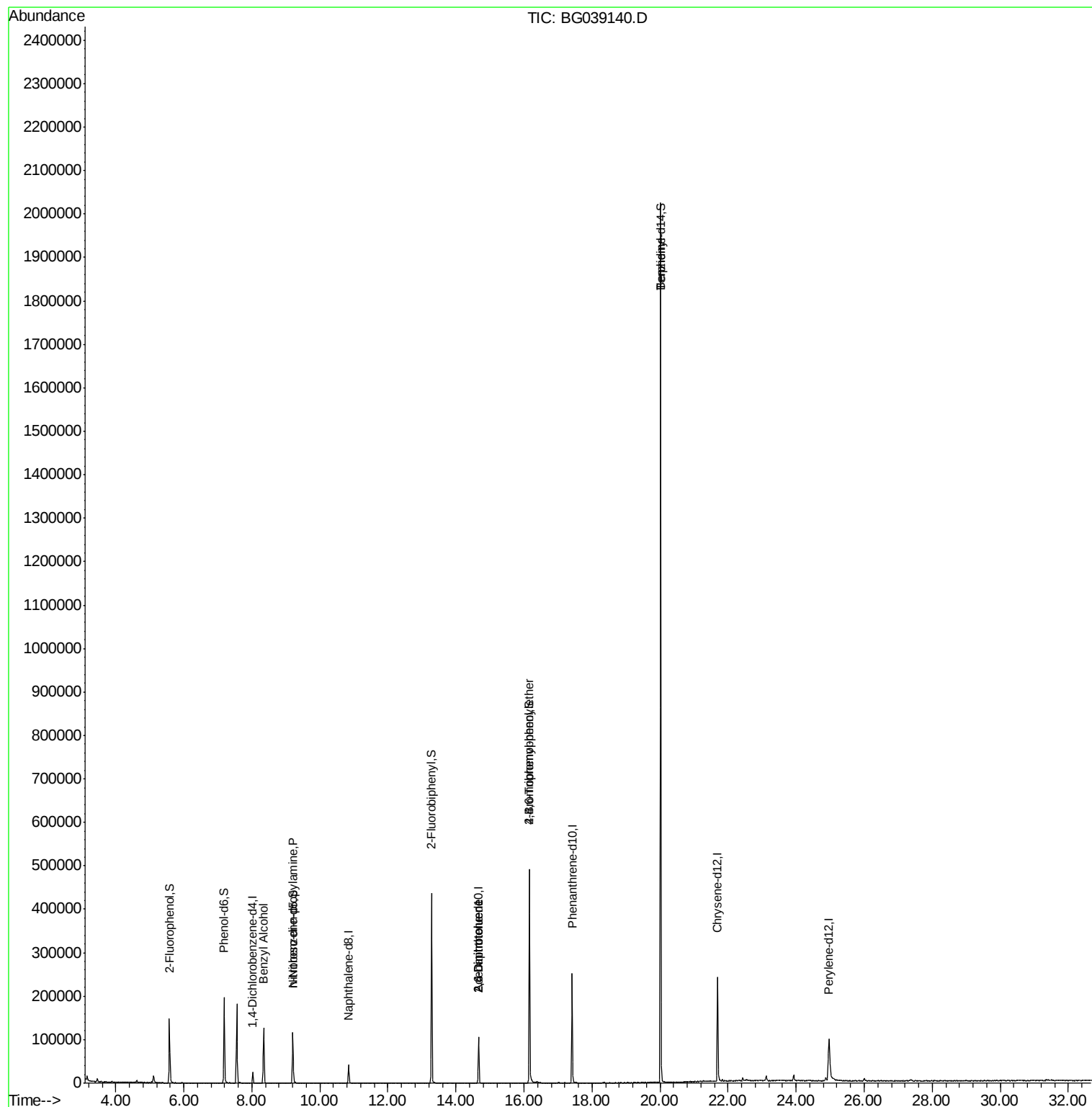
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	8625	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	41704	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	40414	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	173787	20.00	ng	0.00
76) Chrysene-d12	21.69	240	174563	20.00	ng	-0.02
87) Perylene-d12	24.97	264	155931	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	77580	170.63	ng	0.00
7) Phenol-d6	7.19	99	120041	183.46	ng	0.00
23) Nitrobenzene-d5	9.20	82	75546	99.12	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	116119	171.41	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	257289	87.13	ng	0.00
79) Terphenyl-d14	20.02	244	1001115	106.09	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.34	79	1058	2.147	ng	# 49
19) n-Nitroso-di-n-propylamine	9.20	70	9555	22.237	ng	# 68
51) 2,6-Dinitrotoluene	14.66	165	5047	6.610	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	5047	4.607	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	7218	3.231	ng	# 1
77) Benzidine	20.02	184	15504	2.904	ng	# 95

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

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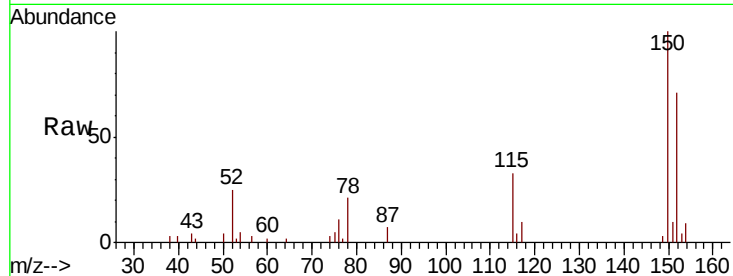


#1

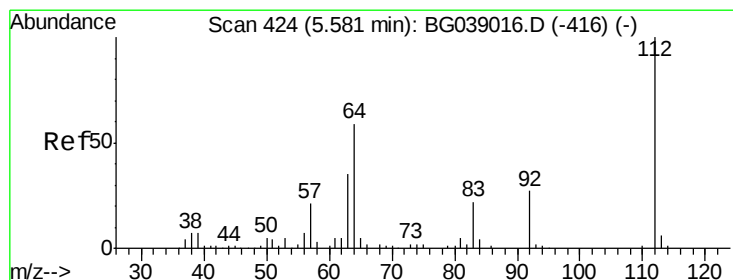
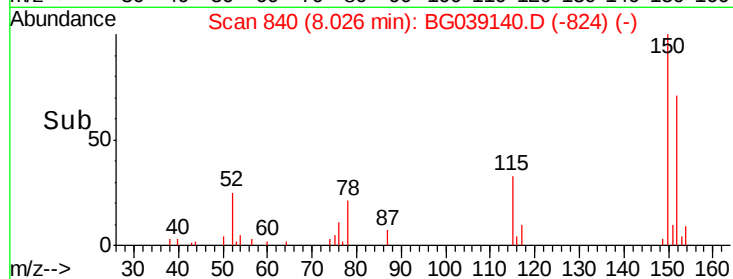
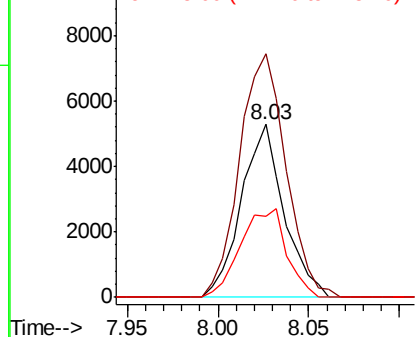
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039140.D
Acq: 15 Jan 2019 20:30

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:152 Resp: 8625
Ion Ratio Lower Upper
152 100
150 140.9 124.7 187.1
115 47.0 46.5 69.7



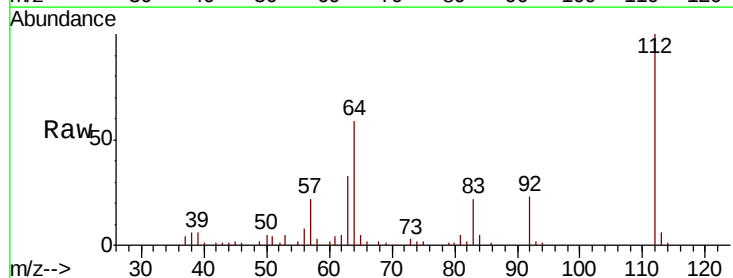
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



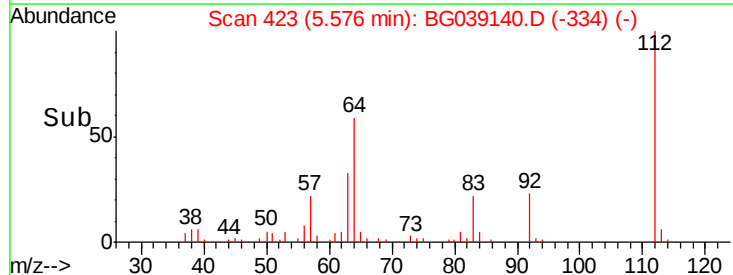
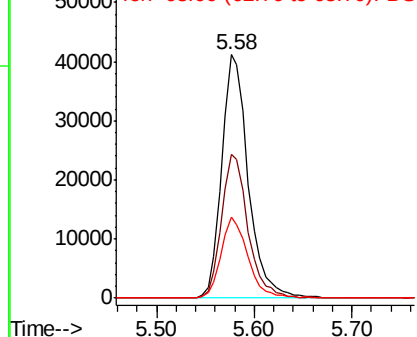
#5

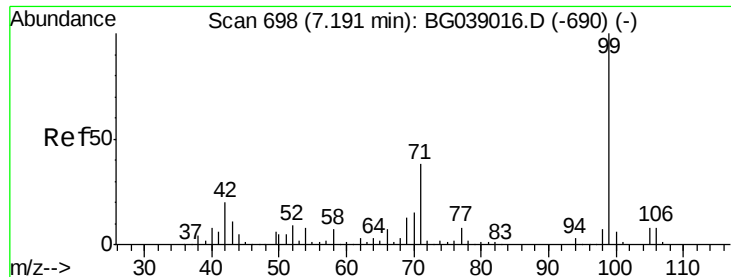
2-Fluorophenol
Concen: 170.629 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.01 min
Lab File: BG039140.D
Acq: 15 Jan 2019 20:30

Tgt Ion:112 Resp: 77580
Ion Ratio Lower Upper
112 100
64 59.2 47.0 70.6
63 33.4 28.0 42.0



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: 183.457 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

Instrument :

BNA_G

ClientSampled :

S-8

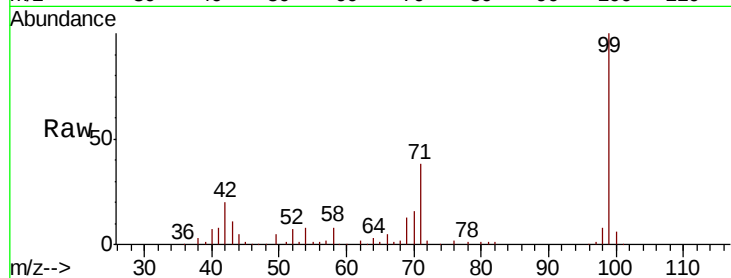
Tgt Ion: 99 Resp: 120041

Ion Ratio Lower Upper

99 100

42 20.1 15.8 23.6

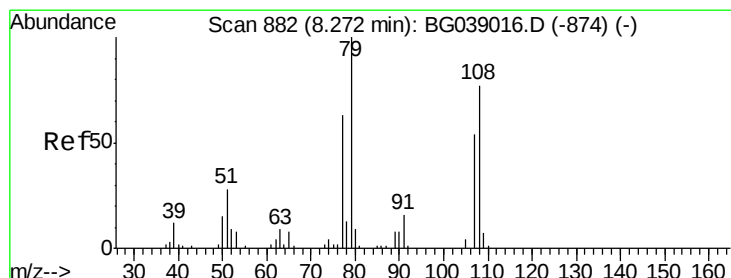
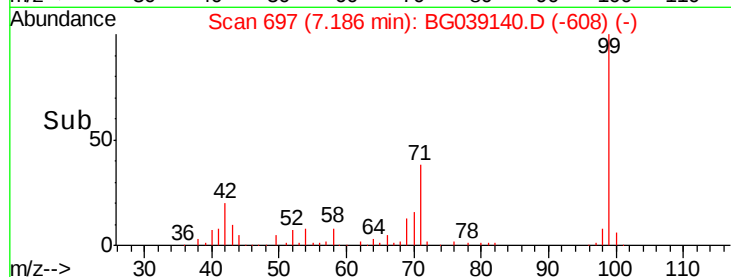
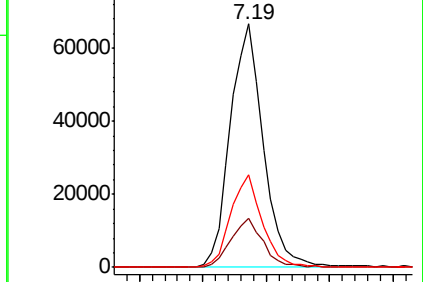
71 38.0 30.2 45.4



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: 2.147 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

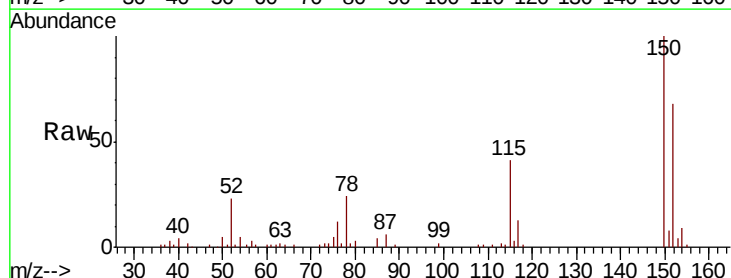
Tgt Ion: 79 Resp: 1058

Ion Ratio Lower Upper

79 100

108 35.9 62.0 93.0#

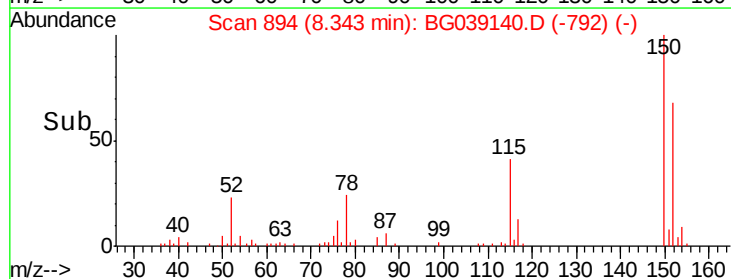
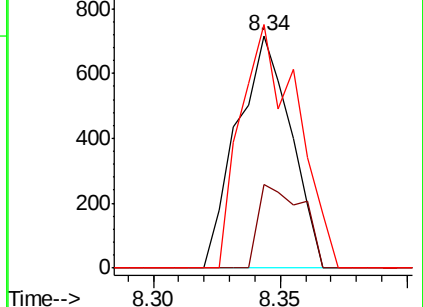
77 104.9 50.1 75.1#

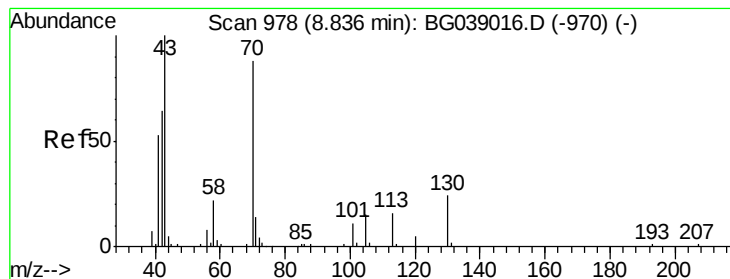


Abundance Ion 79.00 (78.70 to 79.70): BGC

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: 22.237 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.36 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

Instrument :

BNA_G

ClientSampleId :

S-8

Tgt Ion: 70 Resp: 9555

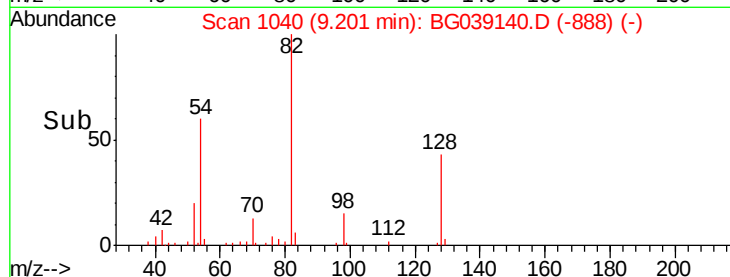
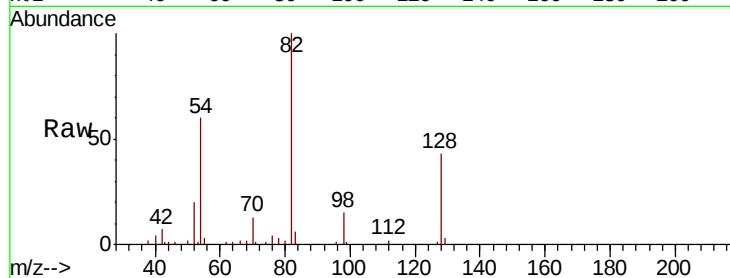
Ion Ratio Lower Upper

70 100

42 52.8 59.0 88.4#

101 0.0 10.4 15.6#

130 0.0 21.6 32.4#

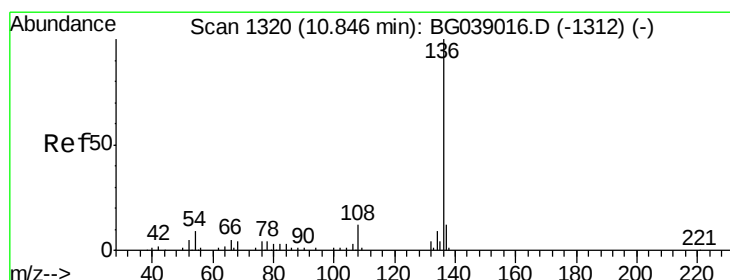
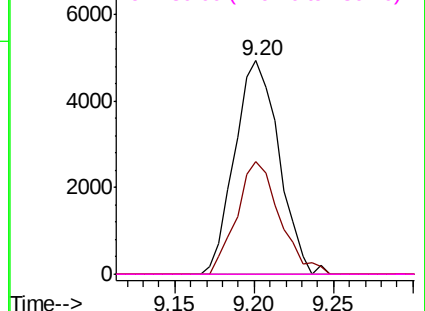


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.84 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

Tgt Ion: 136 Resp: 41704

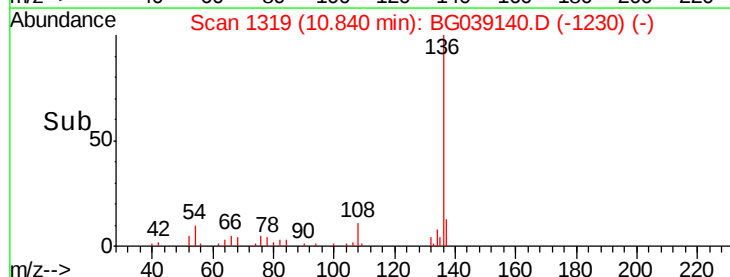
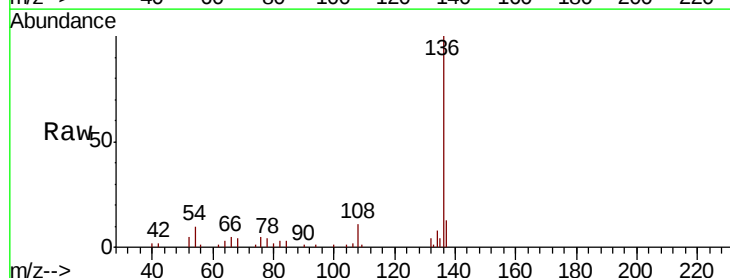
Ion Ratio Lower Upper

136 100

137 13.3 9.4 14.2

54 9.6 7.2 10.8

68 3.7 3.5 5.3

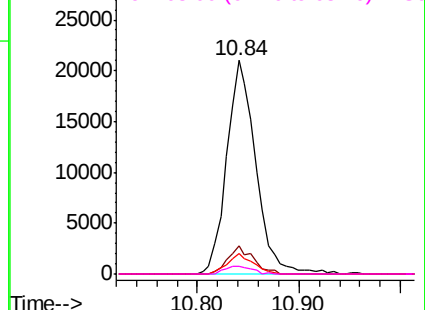


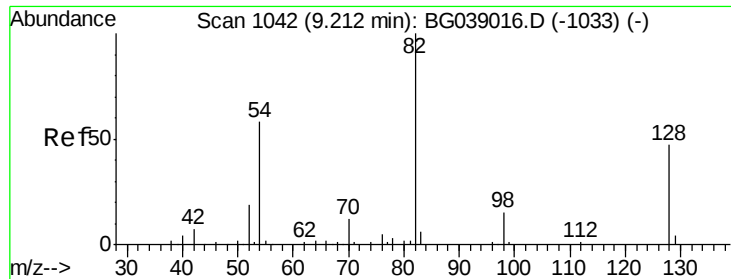
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

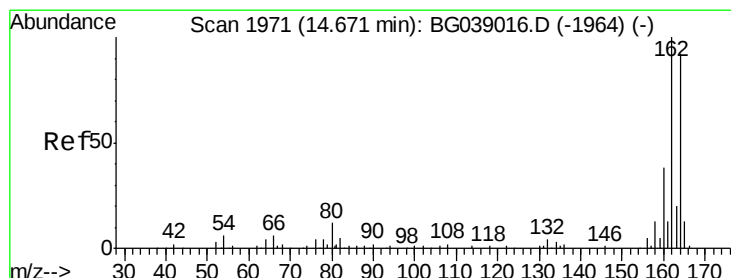
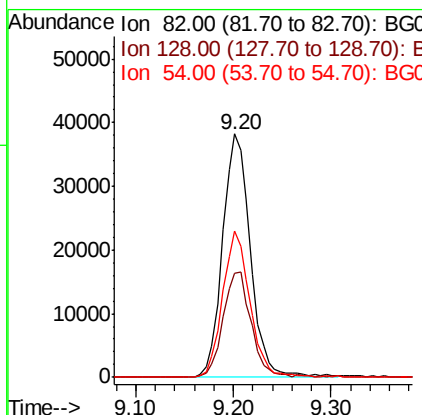
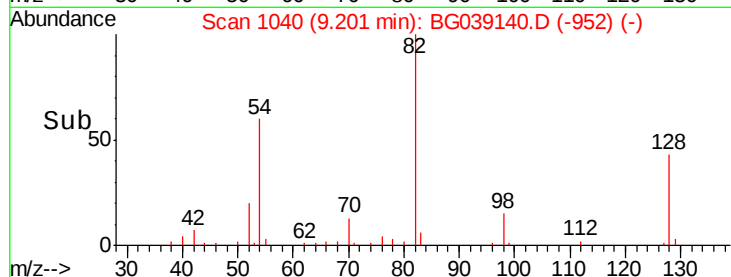
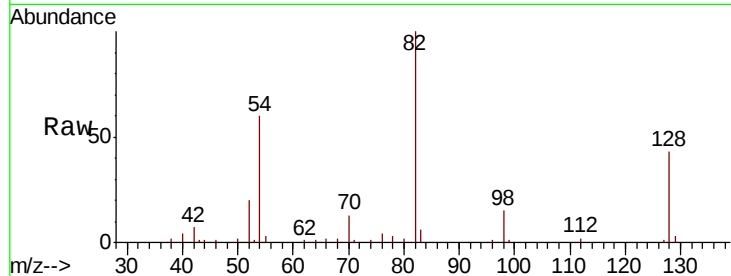




#23
Nitrobenzene-d5
Concen: 99.123 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG039140.D
Acq: 15 Jan 2019 20:30

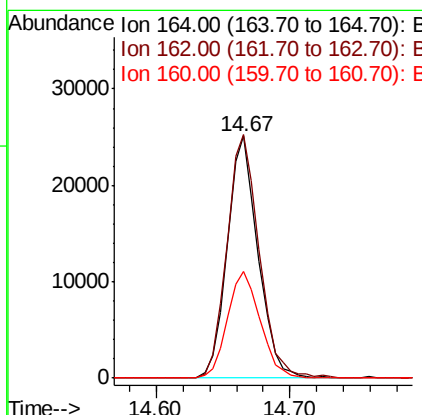
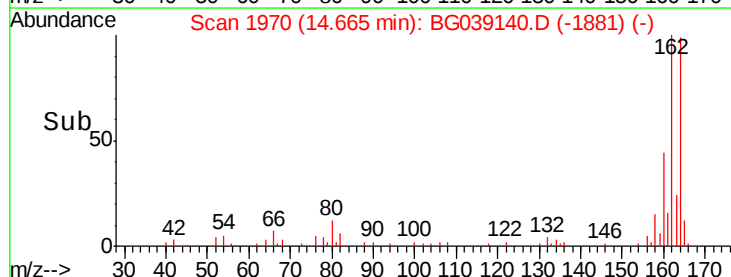
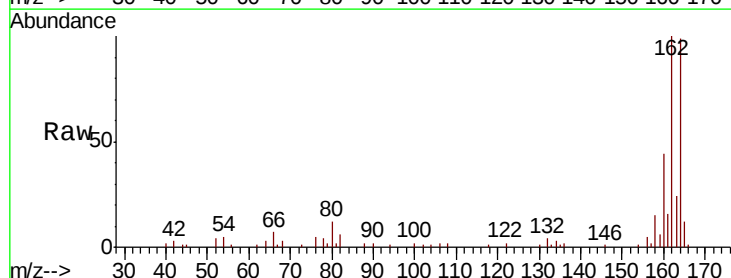
Instrument :
BNA_G
ClientSampled :
S-8

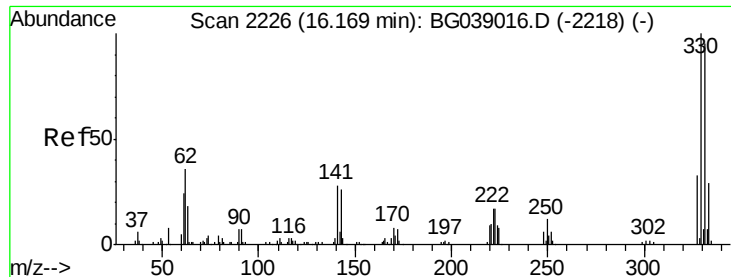
Tgt Ion: 82 Resp: 75546
Ion Ratio Lower Upper
82 100
128 42.9 37.3 55.9
54 60.1 46.4 69.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG039140.D
Acq: 15 Jan 2019 20:30

Tgt Ion: 164 Resp: 40414
Ion Ratio Lower Upper
164 100
162 100.7 87.2 130.8
160 44.0 33.3 49.9





#42

2,4,6-Tribromophenol

Concen: 171.406 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

Instrument :

BNA_G

ClientSampleId :

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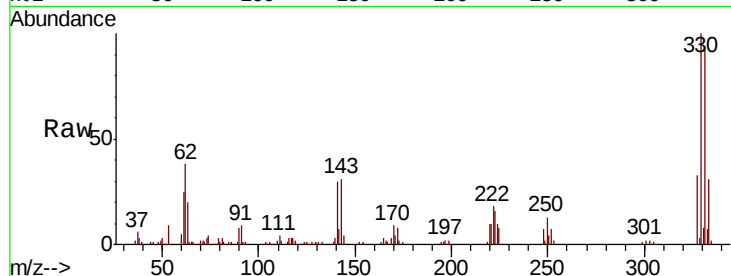
Tgt Ion:330 Resp: 116119

Ion Ratio Lower Upper

330 100

332 93.8 75.7 113.5

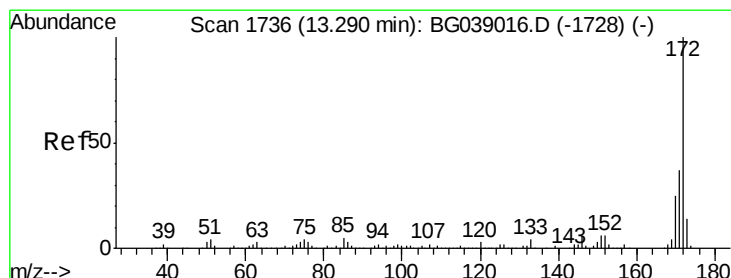
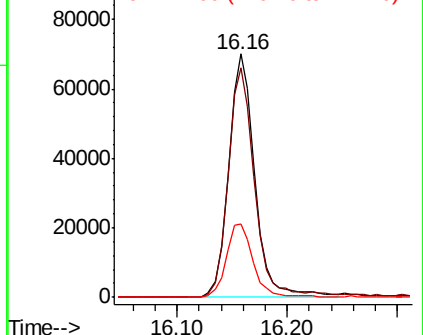
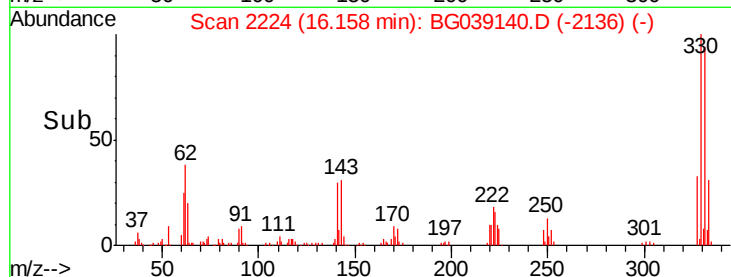
141 31.3 24.9 37.3



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: 87.127 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

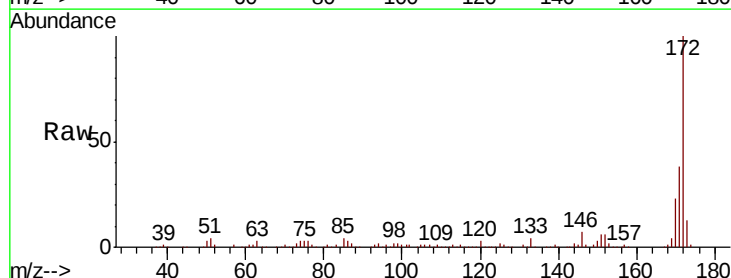
Tgt Ion:172 Resp: 257289

Ion Ratio Lower Upper

172 100

171 37.7 29.4 44.0

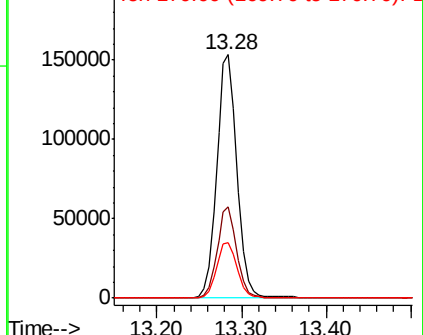
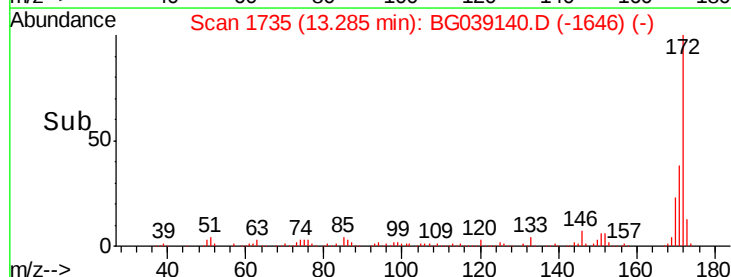
170 22.9 20.1 30.1

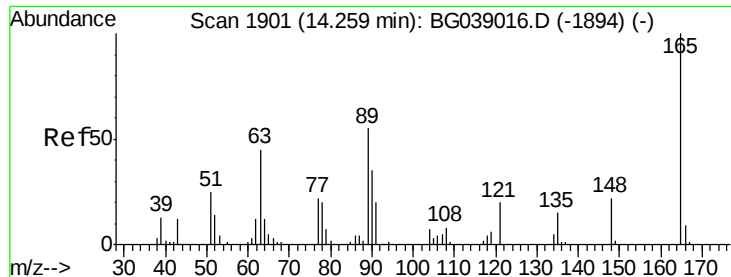


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

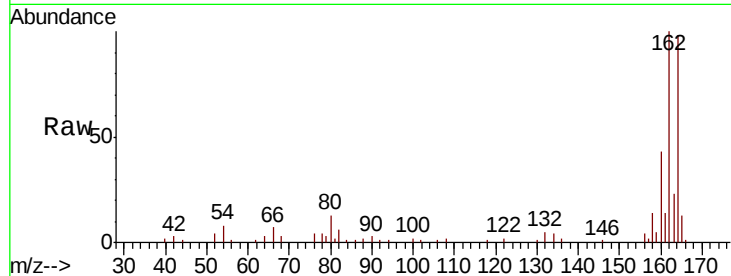




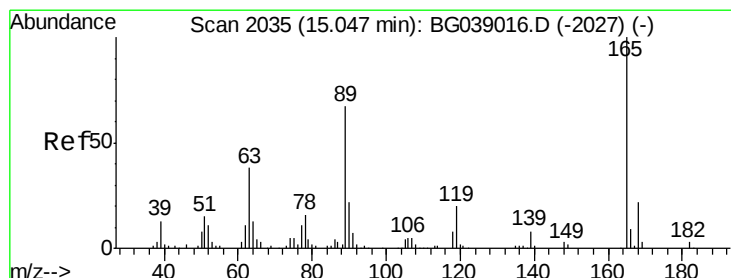
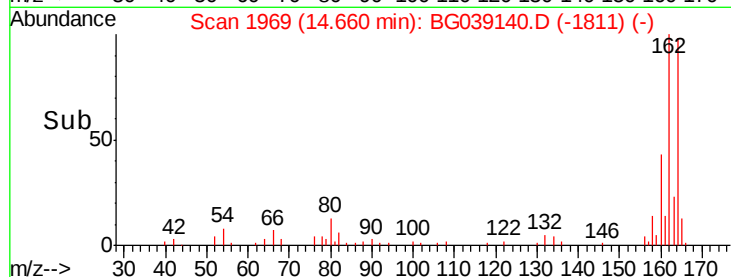
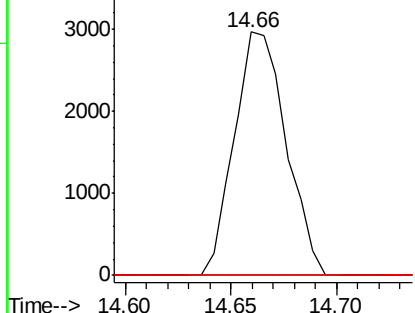
#51
 2,6-Dinitrotoluene
 Concen: 6.610 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.40 min
 Lab File: BG039140.D
 Acq: 15 Jan 2019 20:30

Instrument :
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Tgt Ion:165 Resp: 5047
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

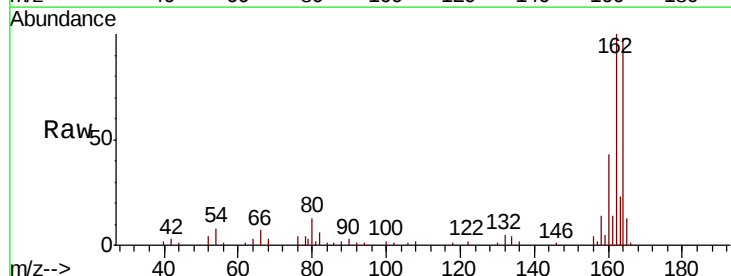


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

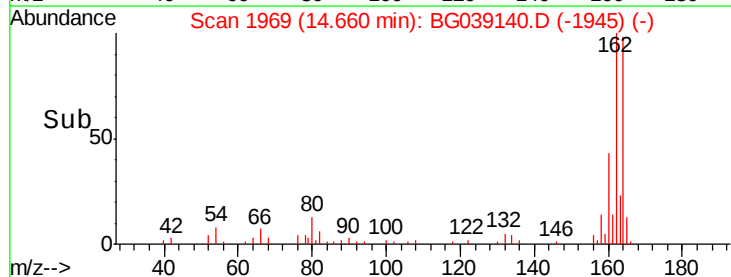
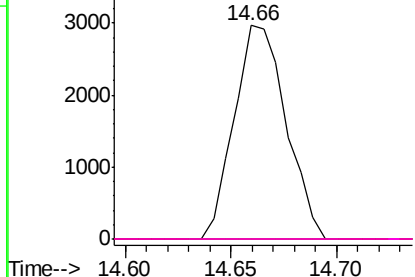


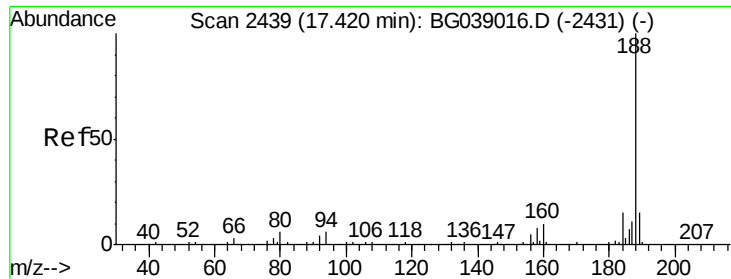
#57
 2,4-Dinitrotoluene
 Concen: 4.607 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.39 min
 Lab File: BG039140.D
 Acq: 15 Jan 2019 20:30

Tgt Ion:165 Resp: 5047
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#



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
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

Instrument :

BNA_G

ClientSampleId :

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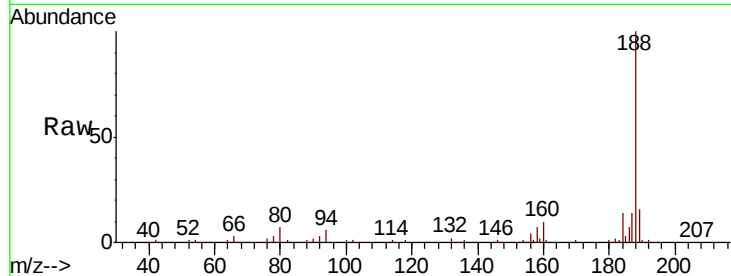
Tgt Ion:188 Resp: 173787

Ion Ratio Lower Upper

188 100

94 5.9 5.0 7.4

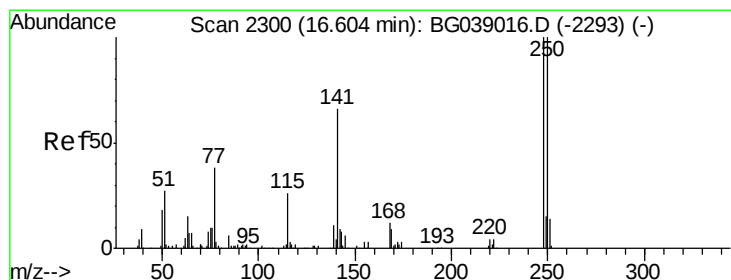
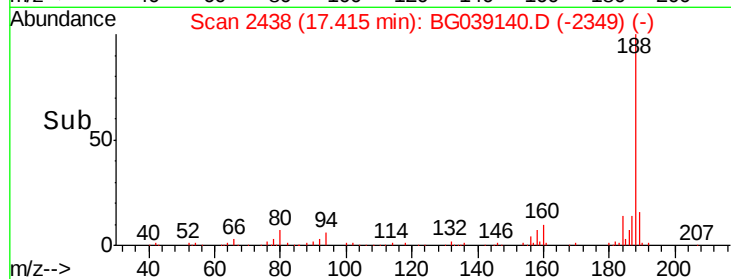
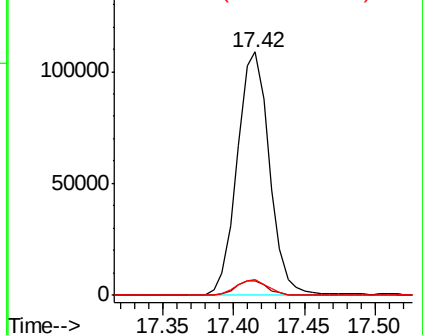
80 6.5 4.7 7.1



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



#67

4-Bromophenyl-phenylether

Concen: 3.231 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

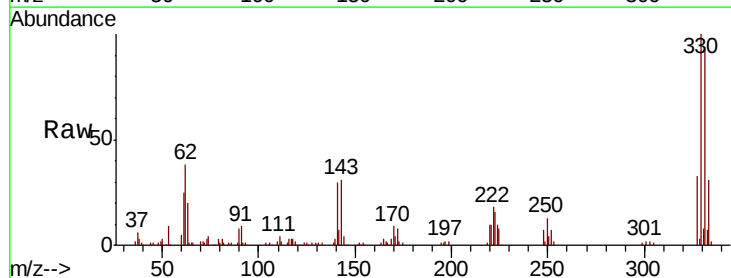
Tgt Ion:248 Resp: 7218

Ion Ratio Lower Upper

248 100

250 179.3 79.9 119.9#

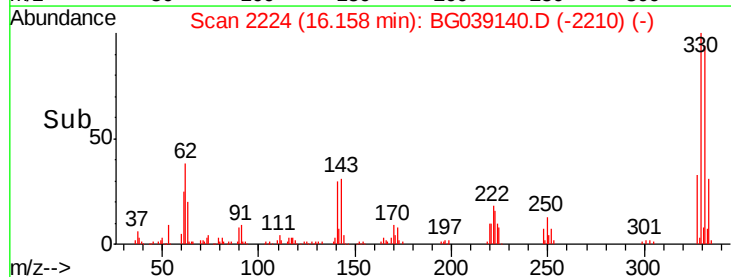
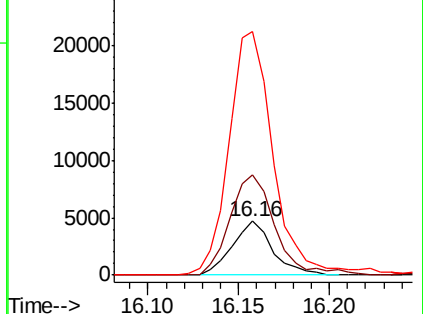
141 338.1 52.7 79.1#

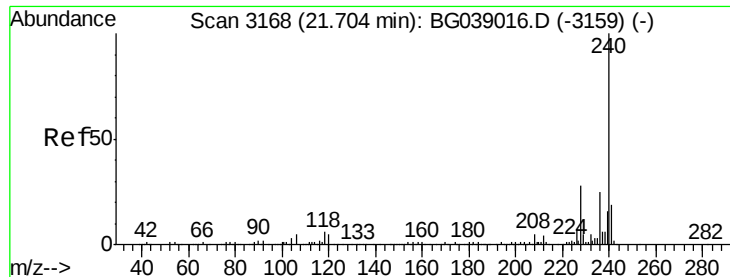


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

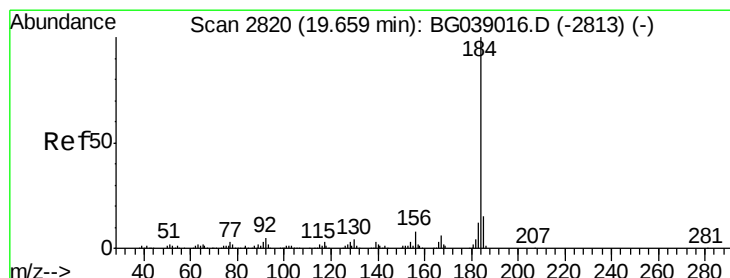
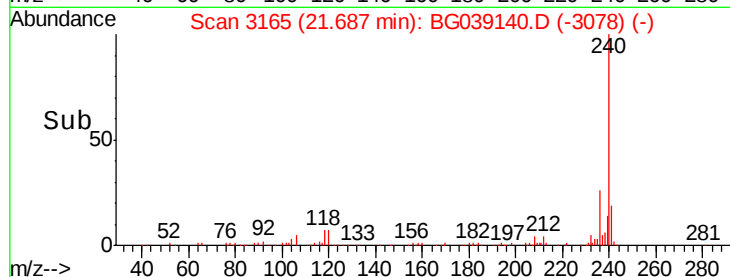
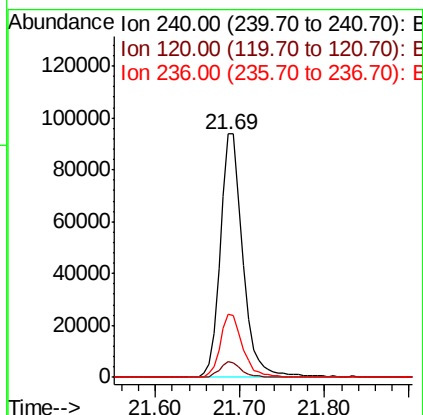
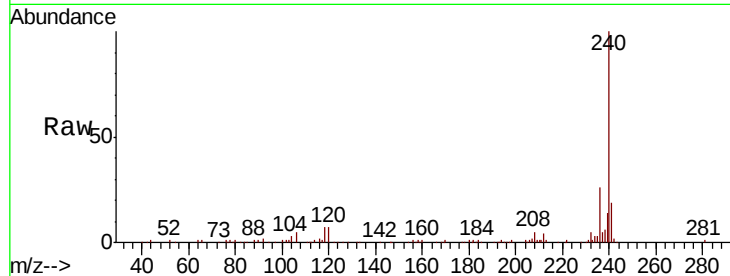




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG039140.D
Acq: 15 Jan 2019 20:30

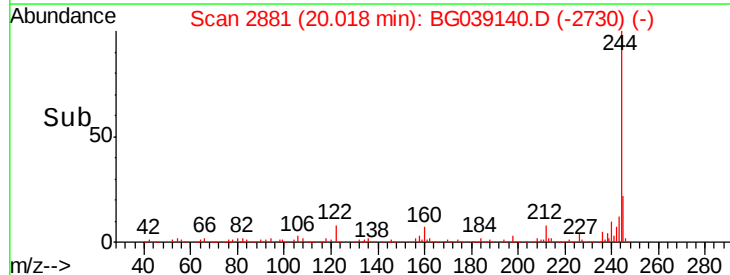
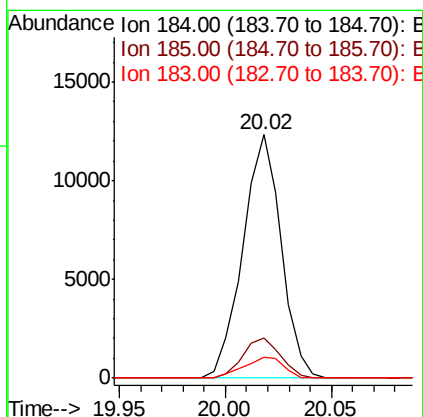
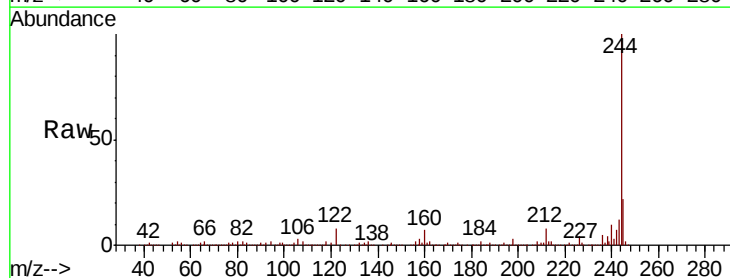
Instrument :
BNA_G
ClientSampleId :
S-8

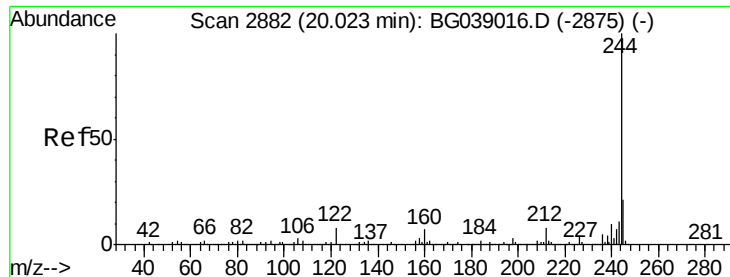
Tgt Ion:240 Resp: 174563
Ion Ratio Lower Upper
240 100
120 6.5 4.3 6.5#
236 25.7 20.1 30.1



#77
Benzidine
Concen: 2.904 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG039140.D
Acq: 15 Jan 2019 20:30

Tgt Ion:184 Resp: 15504
Ion Ratio Lower Upper
184 100
185 16.3 12.1 18.1
183 8.5 9.5 14.3#





#79

Terphenyl-d14

Concen: 106.091 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

Instrument :

BNA_G

ClientSampleId :

S-8

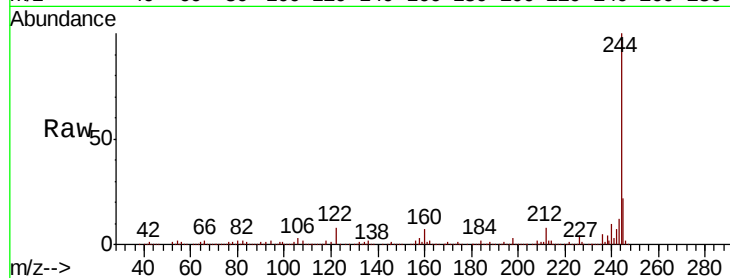
Tgt Ion:244 Resp: 1001115

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

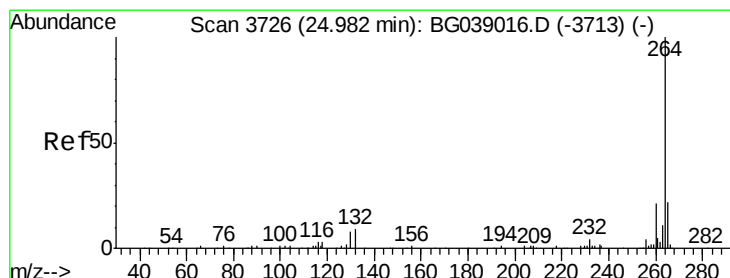
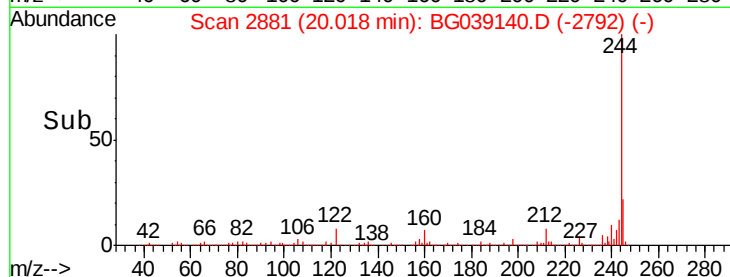
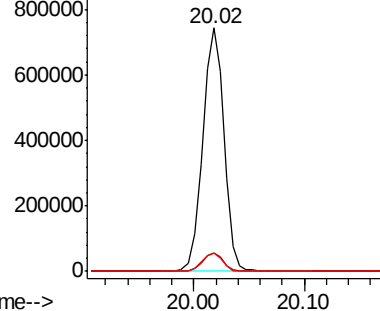
122 7.5 6.1 9.1



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: 24.97 min Scan# 3724

Delta R.T. -0.01 min

Lab File: BG039140.D

Acq: 15 Jan 2019 20:30

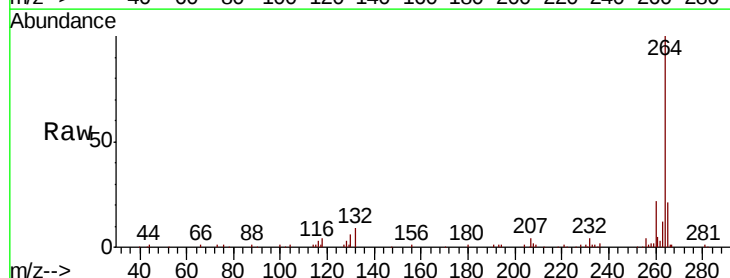
Tgt Ion:264 Resp: 155931

Ion Ratio Lower Upper

264 100

260 21.8 17.0 25.6

265 21.4 17.2 25.8



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

