

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039081.D
 Acq On : 11 Jan 2019 9:41
 Operator : JU/SJ
 Sample : K1094-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 11:02:44 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

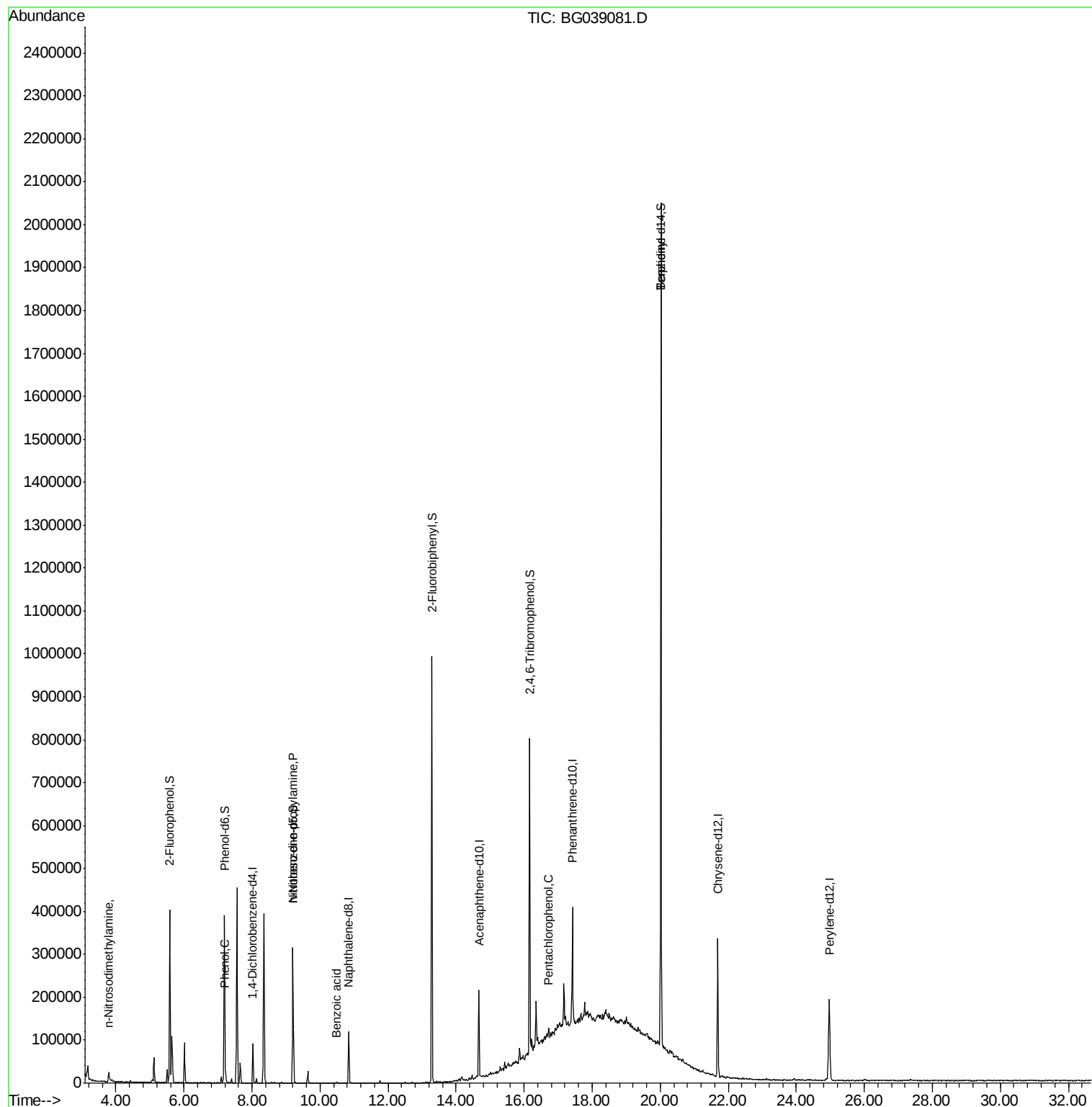
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	27316	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	108283	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	77106	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	178024	20.00	ng	0.00
76) Chrysene-d12	21.69	240	205897	20.00	ng	-0.02
87) Perylene-d12	24.97	264	236752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	186266	129.35	ng	0.00
7) Phenol-d6	7.19	99	227717	109.89	ng	0.00
23) Nitrobenzene-d5	9.20	82	192023	97.04	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	158536	122.66	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	543185	96.41	ng	0.00
79) Terphenyl-d14	20.02	244	988381	88.80	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.78	42	2923	4.239	ng	# 1
10) Phenol	7.21	94	4683	2.254	ng	# 56
19) n-Nitroso-di-n-propylamine	9.20	70	26142	19.210	ng	# 64
32) Benzoic acid	10.48	122	450	9.834	ng	# 1
70) Pentachlorophenol	16.71	266	61	5.836	ng	# 17
77) Benzidine	20.02	184	16491	2.619	ng	98

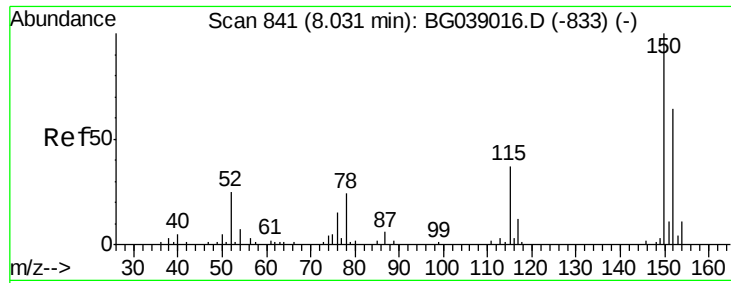
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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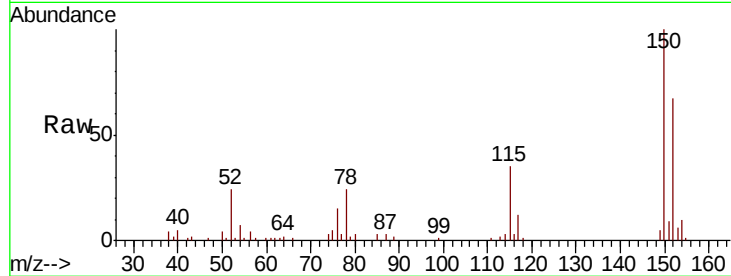


#1

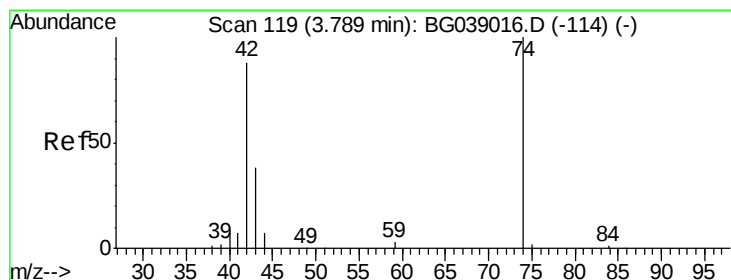
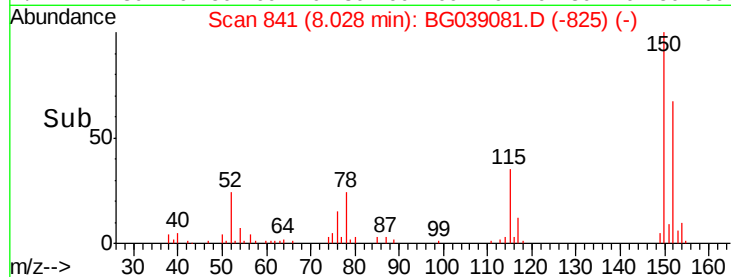
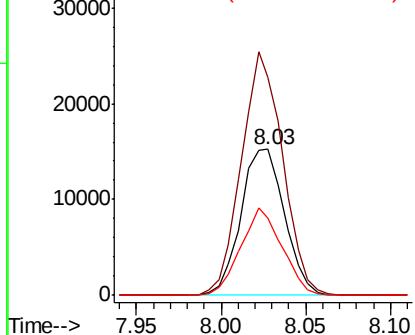
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG039081.D
Acq: 11 Jan 2019 9:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	124.7	187.1
115	52.9	46.5	69.7



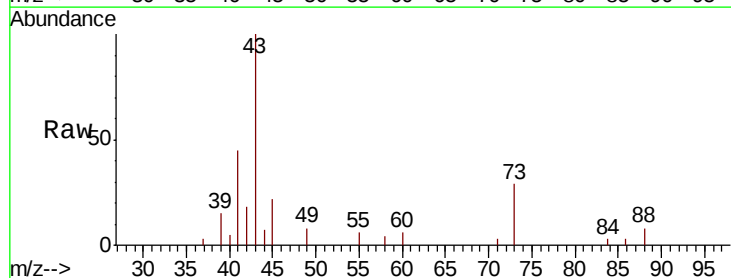
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



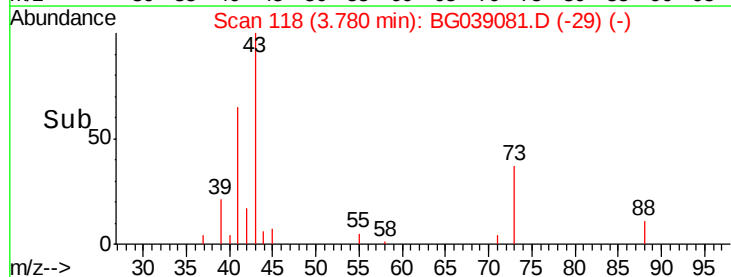
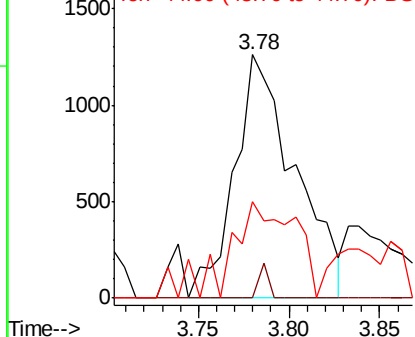
#4

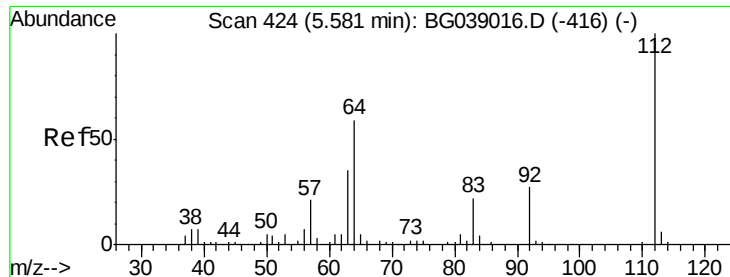
n-Nitrosodimethylamine
Concen: 4.239 ng
RT: 3.78 min Scan# 118
Delta R.T. -0.01 min
Lab File: BG039081.D
Acq: 11 Jan 2019 9:41

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	90.7	136.1#
44	39.5	6.5	9.7#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 129.354 ng

RT: 5.58 min Scan# 425

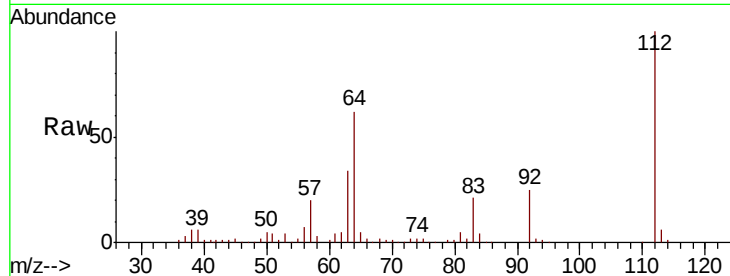
Delta R.T. 0.00 min

Lab File: BG039081.D

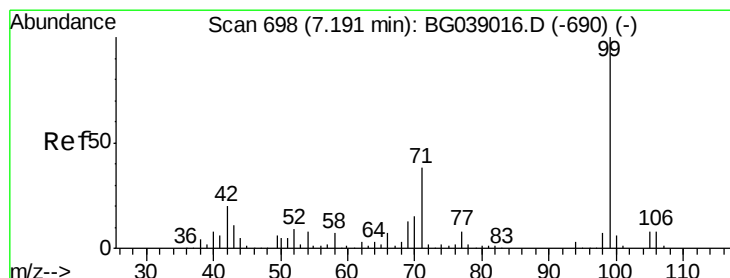
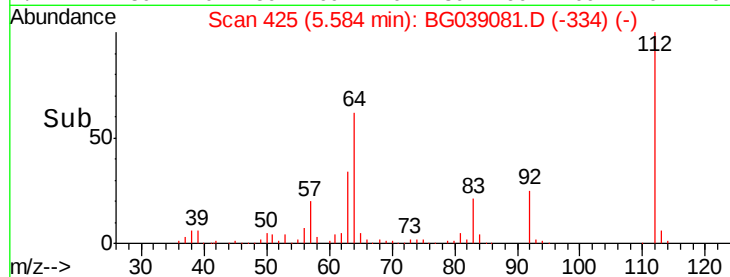
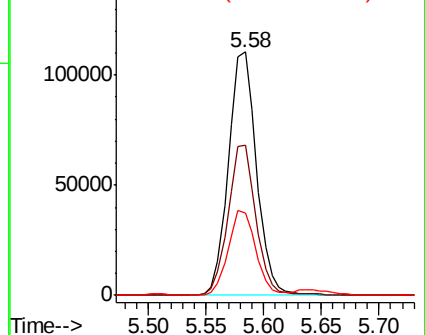
Acq: 11 Jan 2019 9:41

Instrument :
BNA_G
ClientSampled :

Tot Ion:	112	Resp:	186266
Ion	Ratio	Lower	Upper
112	100		
64	61.5	47.0	70.6
63	33.7	28.0	42.0



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



#7

Phenol-d6

Concen: 109.886 ng

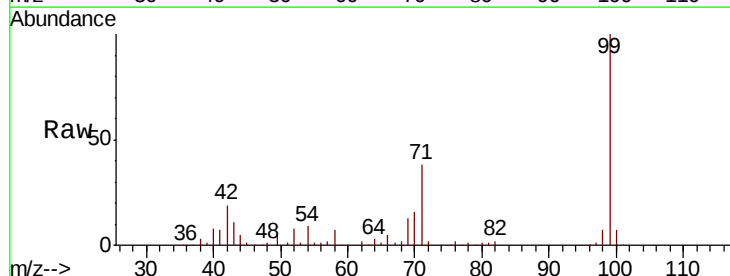
RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

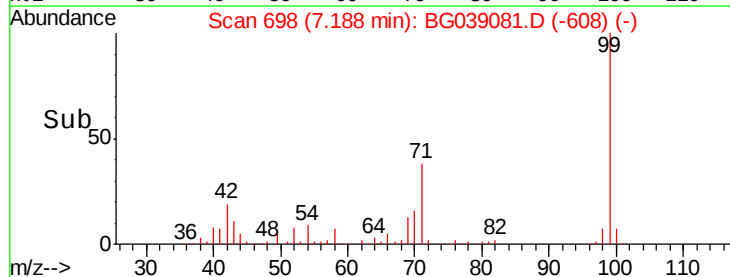
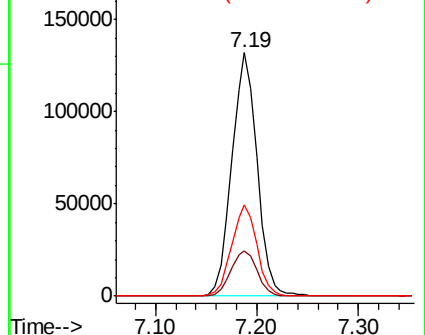
Lab File: BG039081.D

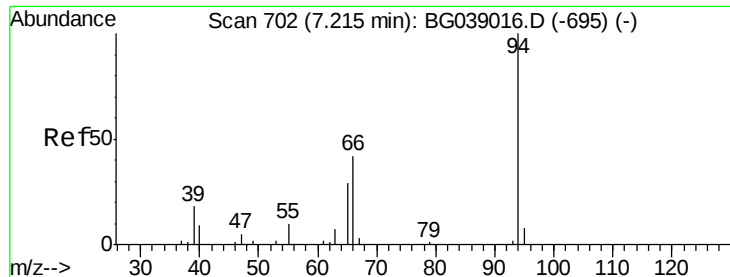
Acq: 11 Jan 2019 9:41

Tgt Ion:	99	Resp:	227717
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.8	23.6
71	37.6	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





#10

Phenol

Concen: 2.254 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG039081.D

Acq: 11 Jan 2019 9:41

Instrument :

BNA_G

ClientSampleId :

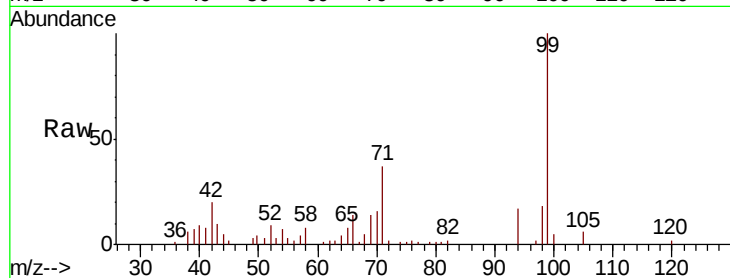
Tot Ion: 94 Resp: 4683

Ion Ratio Lower Upper

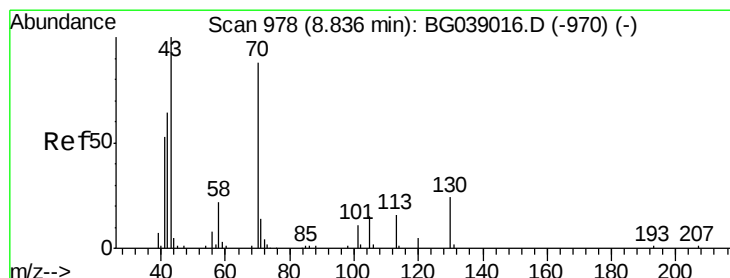
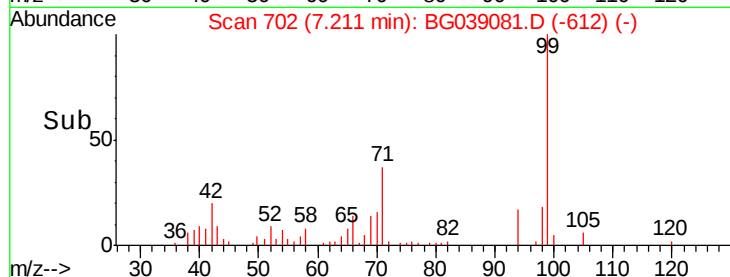
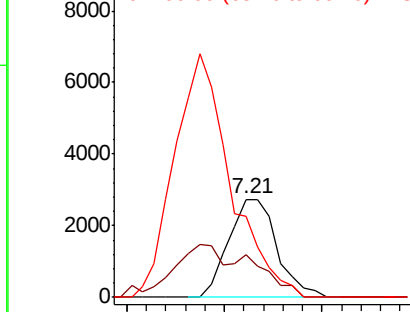
94 100

65 43.7 10.3 50.3

66 82.0 25.1 65.1#



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: 19.210 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039081.D

Acq: 11 Jan 2019 9:41

Tgt Ion: 70 Resp: 26142

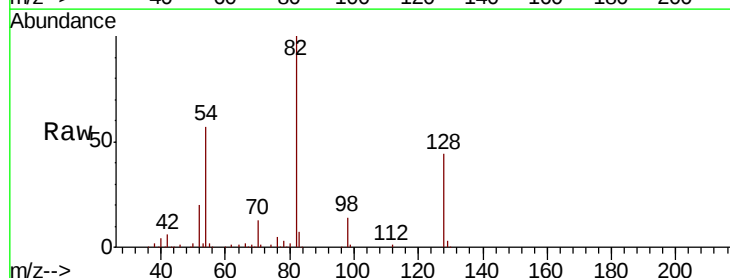
Ion Ratio Lower Upper

70 100

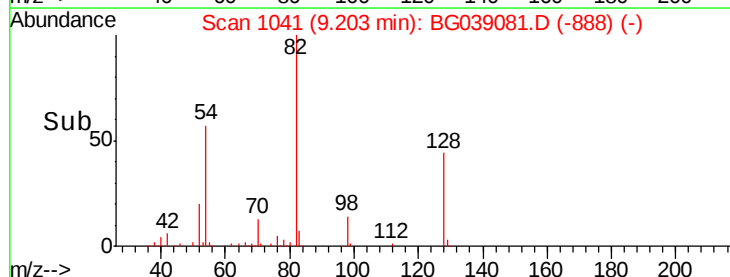
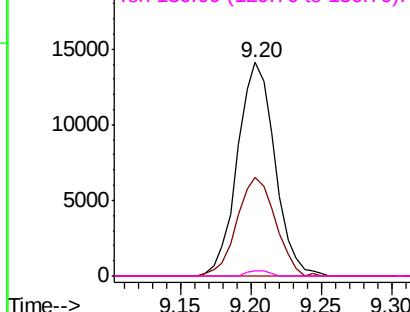
42 45.9 59.0 88.4#

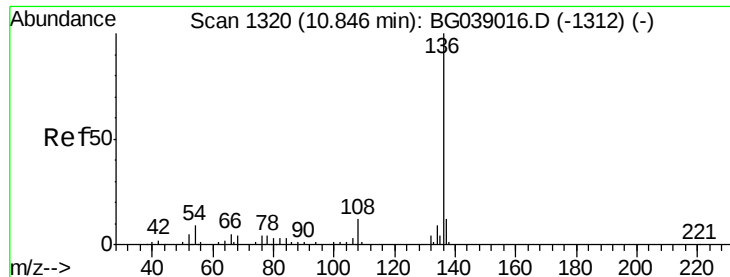
101 0.0 10.4 15.6#

130 2.6 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

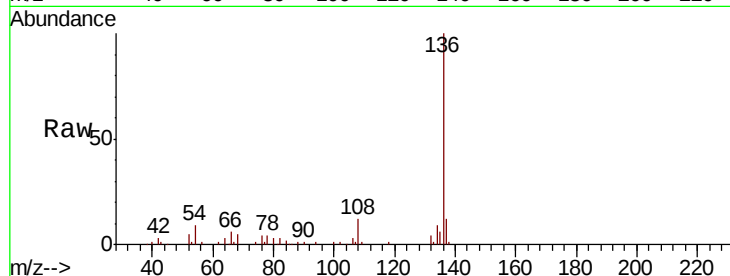




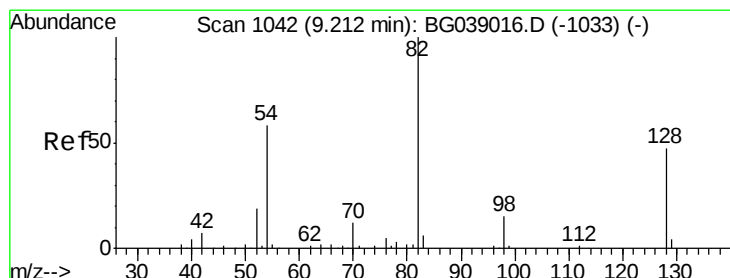
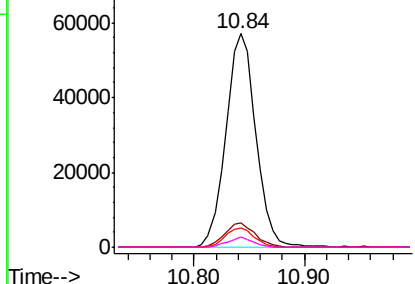
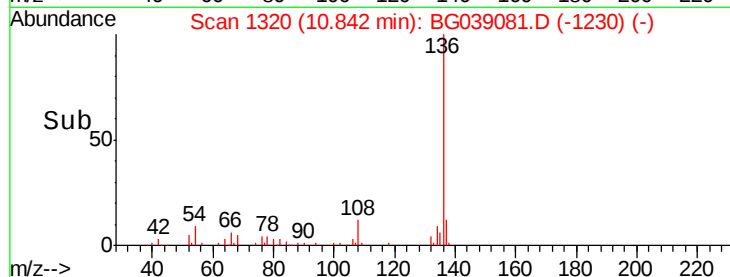
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039081.D
Acq: 11 Jan 2019 9:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	108283
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.4 14.2
54	9.2	7.2 10.8
68	4.6	3.5 5.3

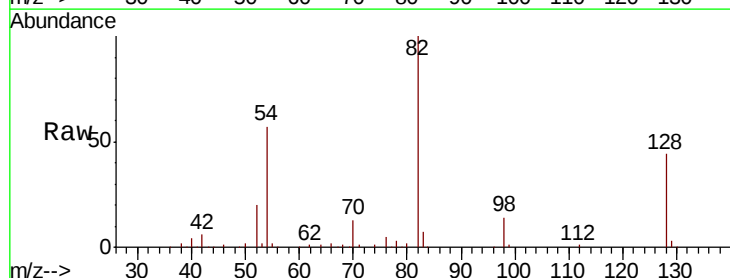


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

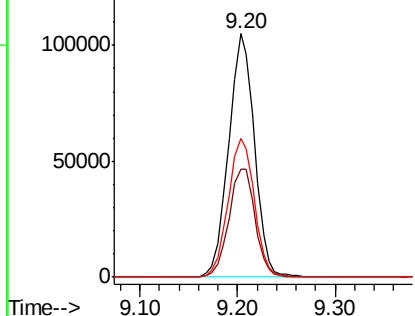
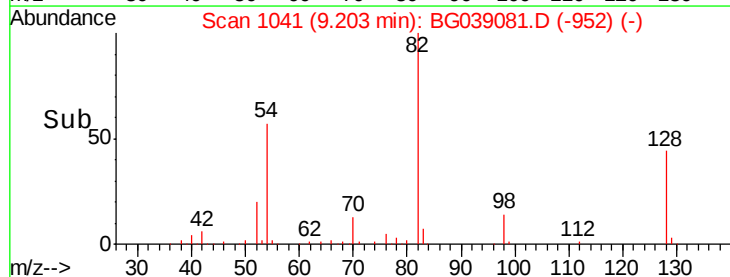


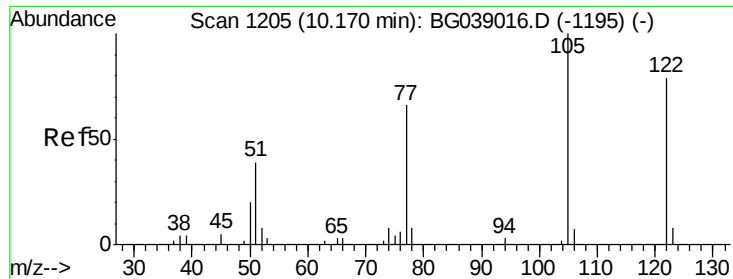
#23
Nitrobenzene-d5
Concen: 97.036 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039081.D
Acq: 11 Jan 2019 9:41

Tgt Ion: 82	Resp:	192023
Ion Ratio	Lower	Upper
82	100	
128	44.3	37.3 55.9
54	56.9	46.4 69.6



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

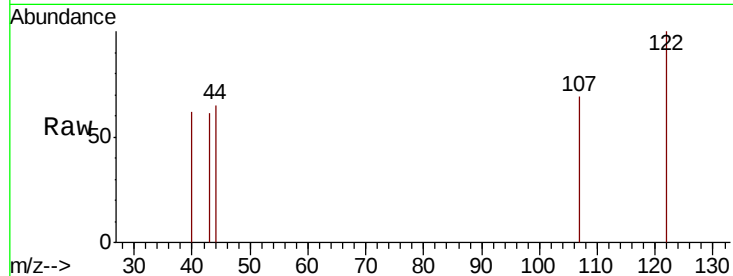




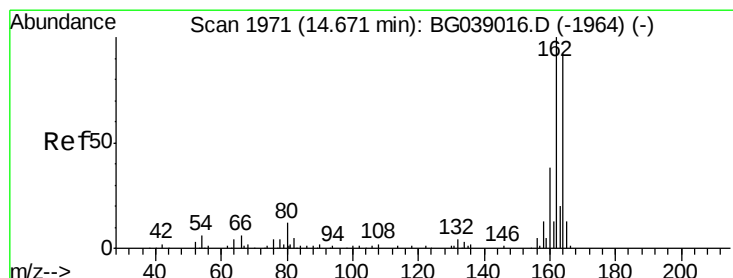
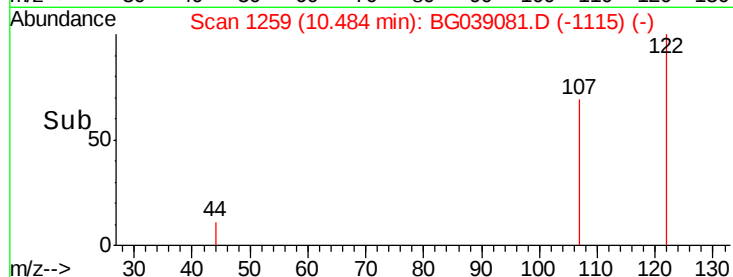
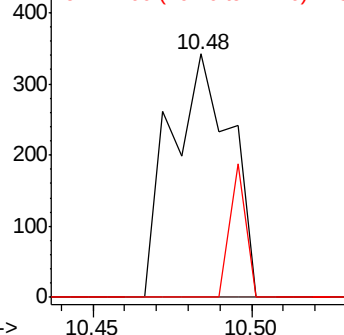
#32
Benzoic acid
Concen: 9.834 ng
RT: 10.48 min Scan# 1259
Delta R.T. 0.31 min
Lab File: BG039081.D
Acq: 11 Jan 2019 9:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 450
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 0.0 63.6 103.6#

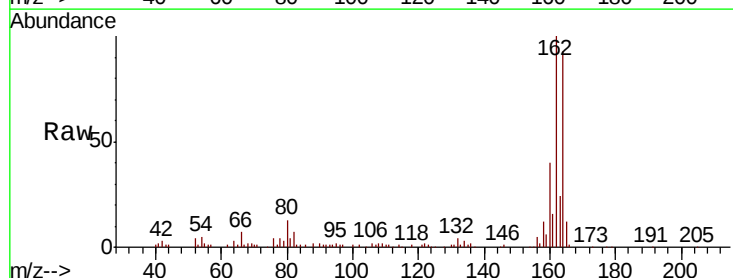


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

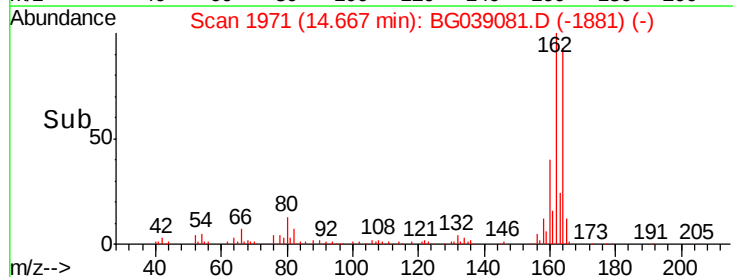
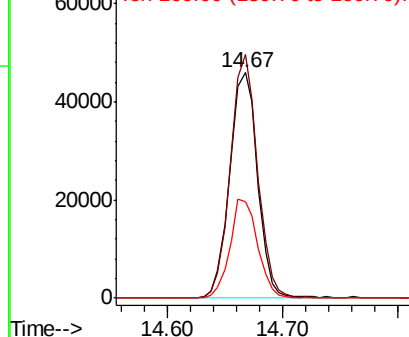


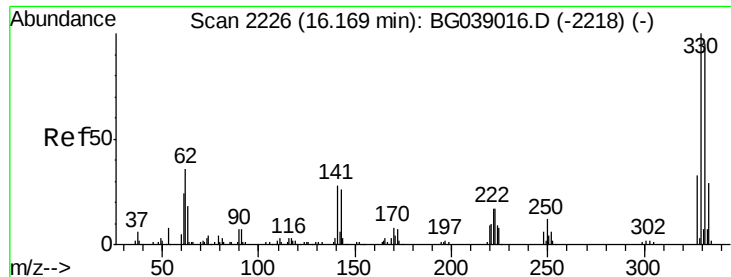
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG039081.D
Acq: 11 Jan 2019 9:41

Tgt Ion:164 Resp: 77106
Ion Ratio Lower Upper
164 100
162 108.0 87.2 130.8
160 43.0 33.3 49.9



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

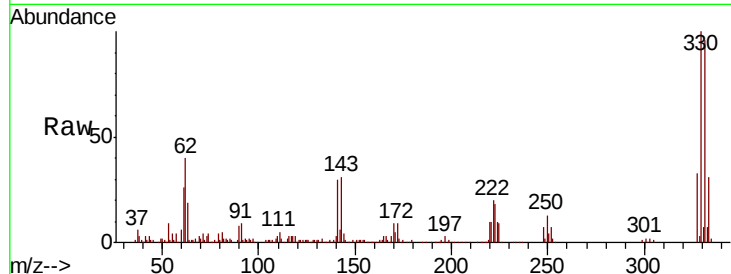




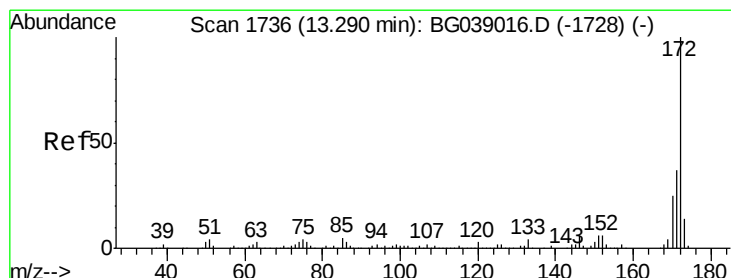
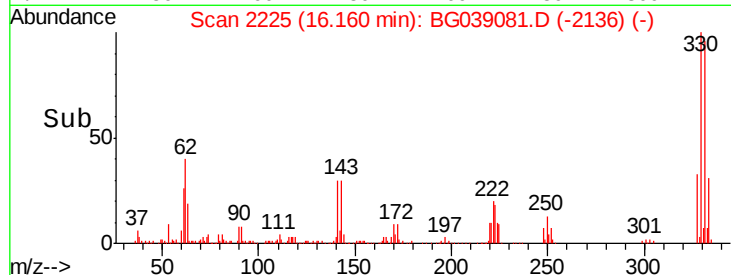
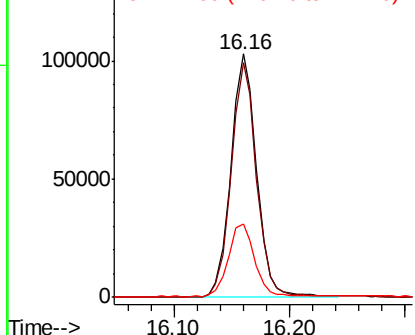
#42
 2,4,6-Tribromophenol
 Concen: 122.658 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG039081.D
 Acq: 11 Jan 2019 9:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.7	113.5
141	30.5	24.9	37.3

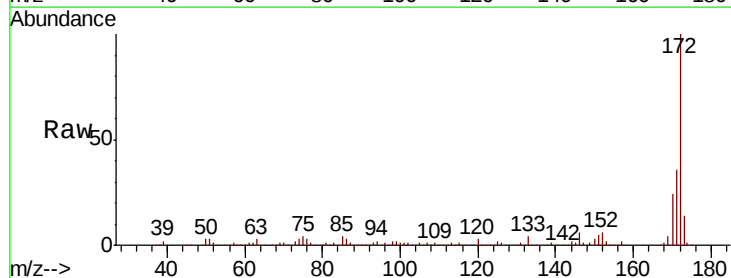


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

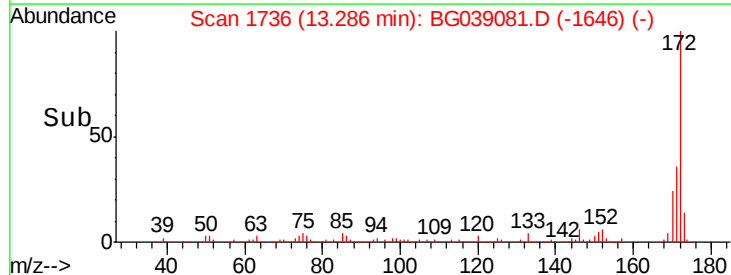
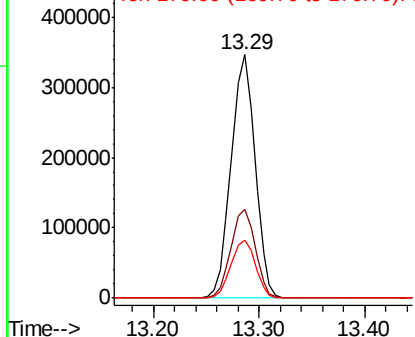


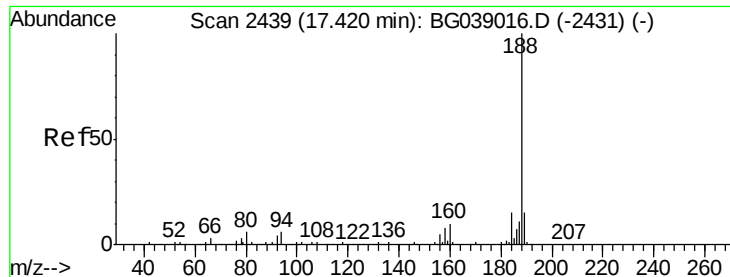
#45
 2-Fluorobiphenyl
 Concen: 96.411 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039081.D
 Acq: 11 Jan 2019 9:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	23.9	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG039081.D

Acq: 11 Jan 2019 9:41

Instrument :

BNA_G

ClientSampleId :

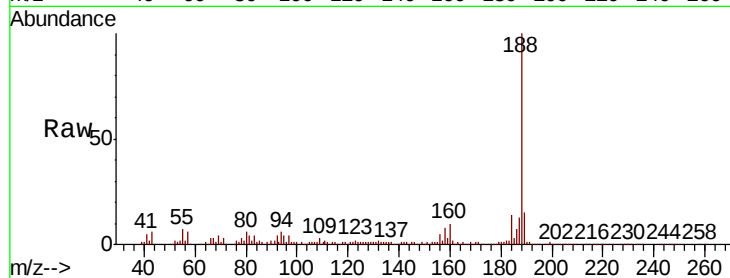
Tot Ion:188 Resp: 178024

Ion Ratio Lower Upper

188 100

94 5.8 5.0 7.4

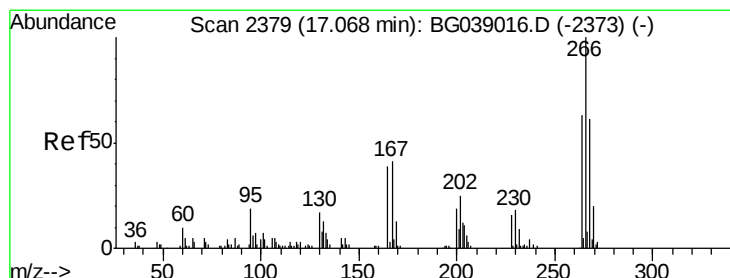
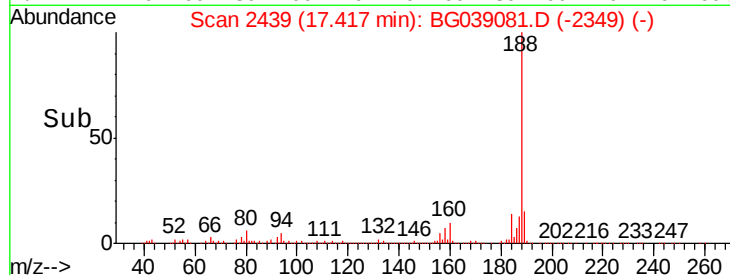
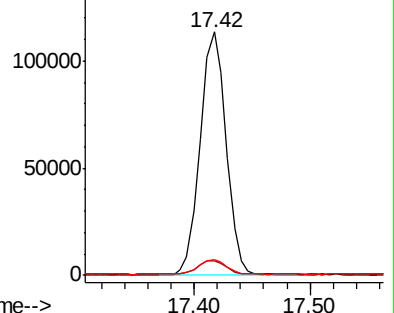
80 6.2 4.7 7.1



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



#70

Pentachlorophenol

Concen: 5.836 ng

RT: 16.71 min Scan# 2319

Delta R.T. -0.36 min

Lab File: BG039081.D

Acq: 11 Jan 2019 9:41

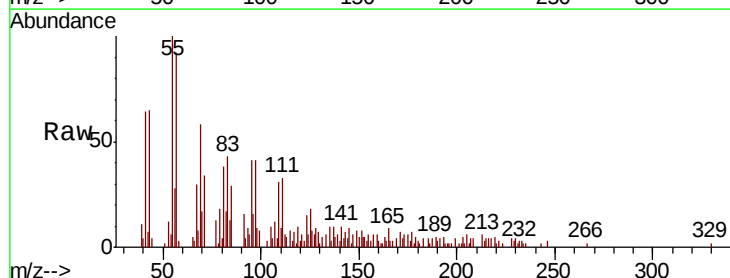
Tgt Ion:266 Resp: 61

Ion Ratio Lower Upper

266 100

268 0.0 52.0 78.0#

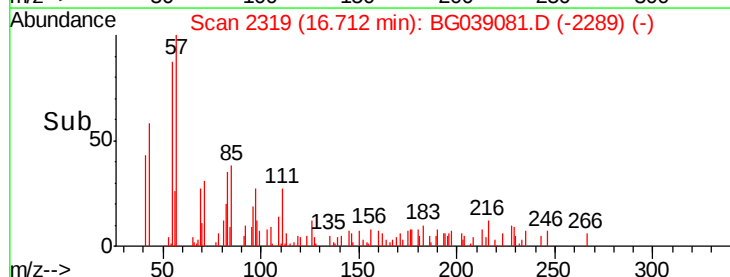
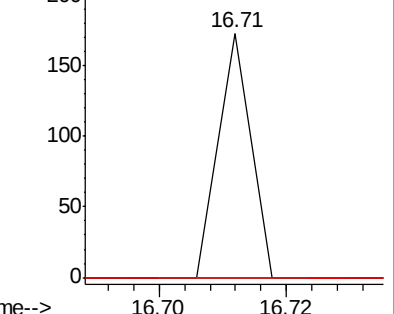
264 0.0 54.6 81.8#

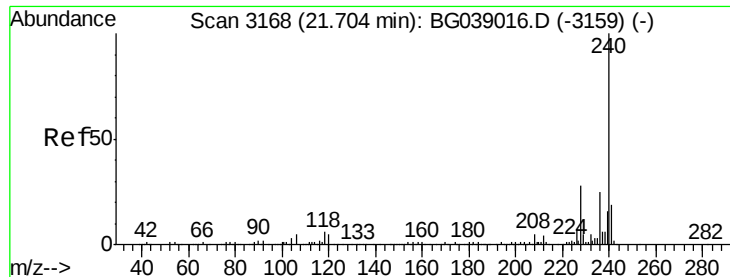


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

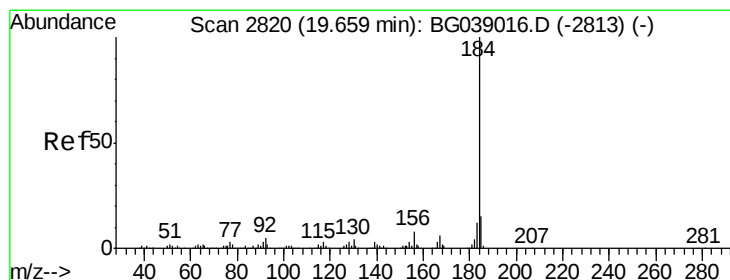
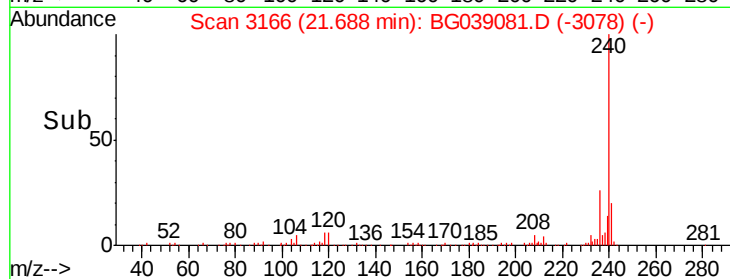
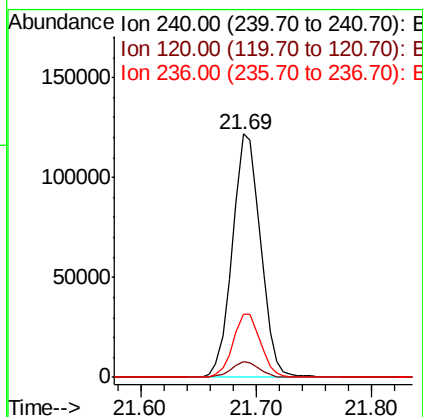
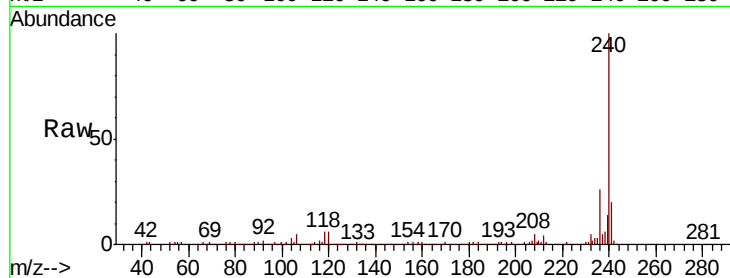




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.02 min
Lab File: BG039081.D
Acq: 11 Jan 2019 9:41

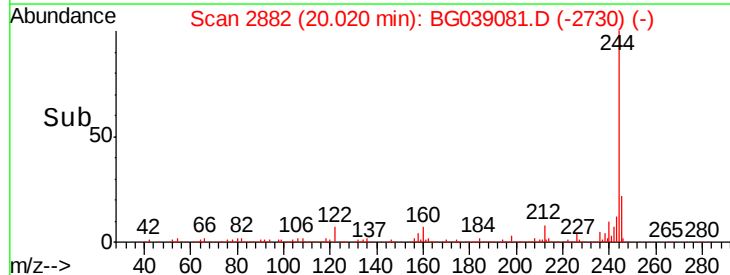
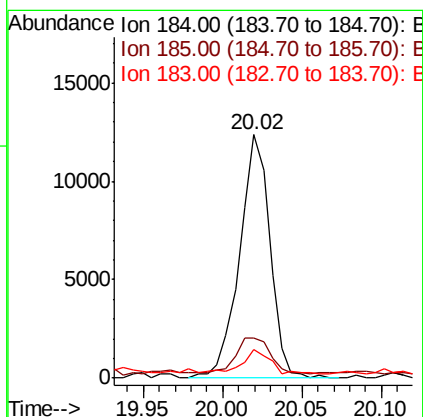
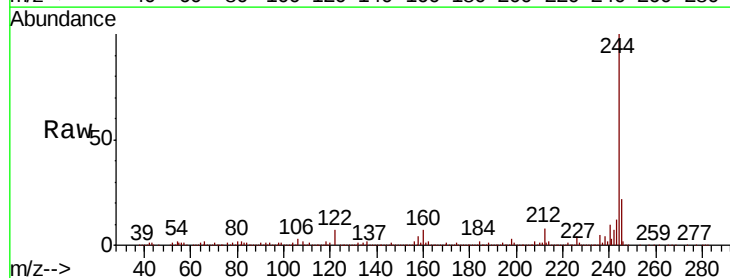
Instrument :
BNA_G
ClientSampleId :

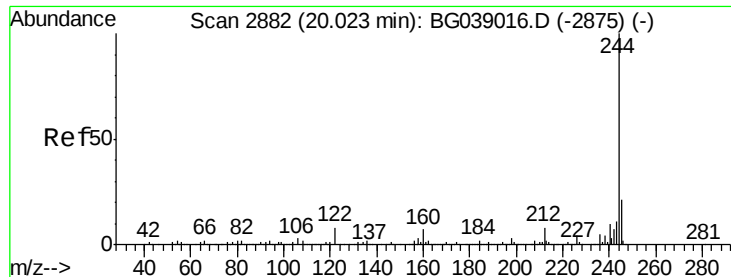
Tot Ion:240 Resp: 205897
Ion Ratio Lower Upper
240 100
120 6.3 4.3 6.5
236 26.1 20.1 30.1



#77
Benzidine
Concen: 2.619 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.36 min
Lab File: BG039081.D
Acq: 11 Jan 2019 9:41

Tgt Ion:184 Resp: 16491
Ion Ratio Lower Upper
184 100
185 16.5 12.1 18.1
183 11.5 9.5 14.3





#79

Terphenyl-d14

Concen: 88.802 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039081.D

Acq: 11 Jan 2019 9:41

Instrument :

BNA_G

ClientSampleId :

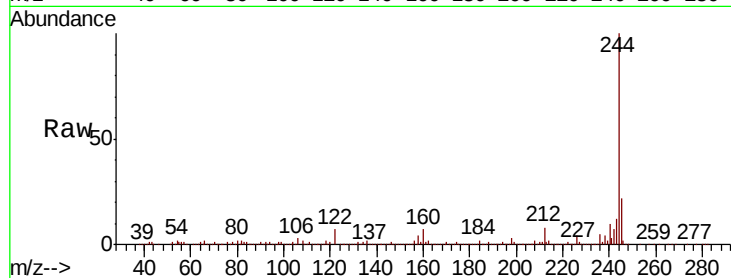
Tot Ion:244 Resp: 988381

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

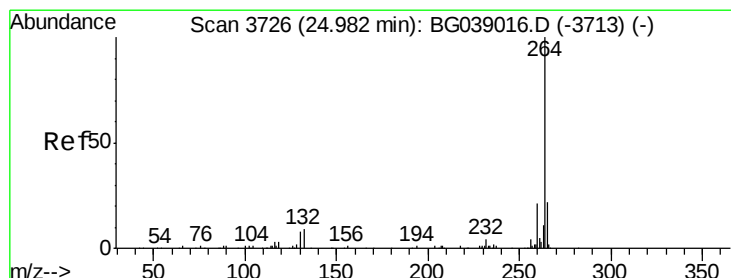
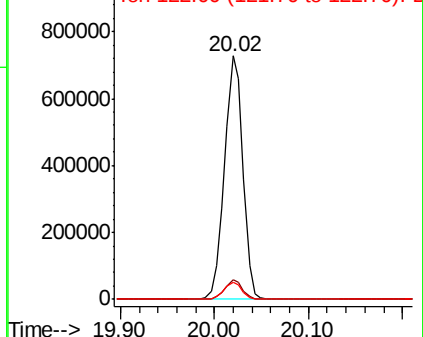
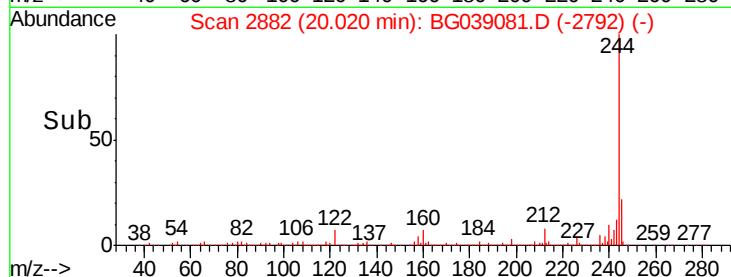
122 6.8 6.1 9.1



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# 3725

Delta R.T. -0.01 min

Lab File: BG039081.D

Acq: 11 Jan 2019 9:41

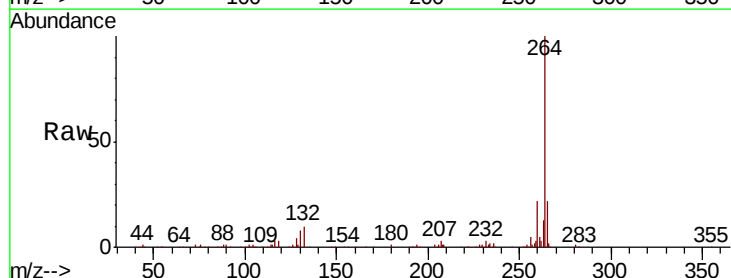
Tgt Ion:264 Resp: 236752

Ion Ratio Lower Upper

264 100

260 21.8 17.0 25.6

265 21.5 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

