

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\
 Data File : BG039971.D
 Acq On : 16 Mar 2019 11:07
 Operator : JU/SJ
 Sample : K1685-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-031419-C

Quant Time: Mar 18 01:08:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

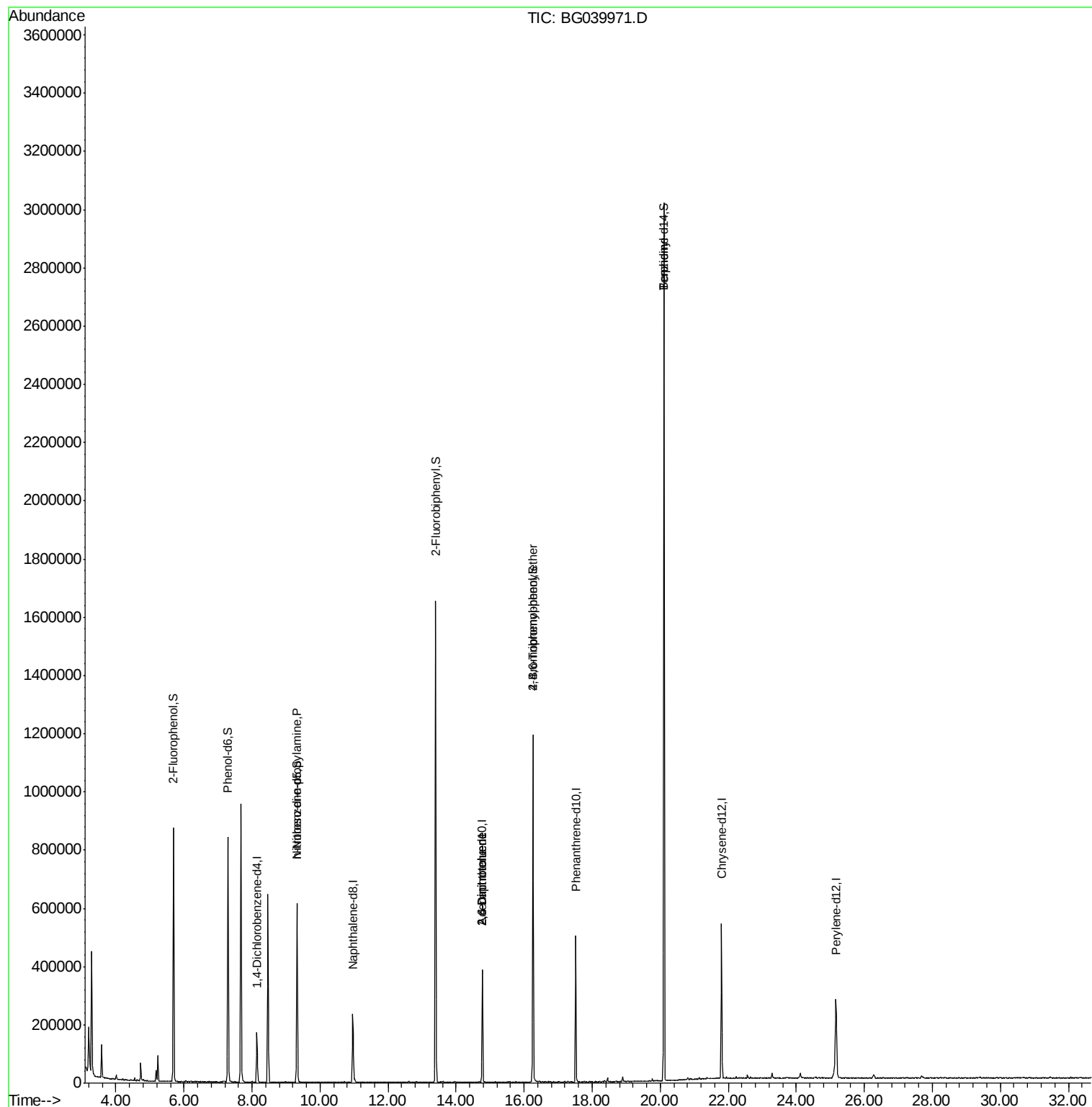
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	44717	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	195652	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	134389	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	315662	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	321990	20.00	ng	-0.03
87) Perylene-d12	25.17	264	323069	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	354062	135.08	ng	-0.02
7) Phenol-d6	7.29	99	473459	121.14	ng	-0.02
23) Nitrobenzene-d5	9.33	82	364055	100.64	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	205511	131.20	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	856304	90.72	ng	-0.02
79) Terphenyl-d14	20.11	244	1319460	90.23	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	47757	16.977	ng	# 70
51) 2,6-Dinitrotoluene	14.77	165	17287	7.256	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	17287	5.164	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	16330	4.622	ng	# 1
77) Benzidine	20.11	184	24006	2.349	ng	# 93

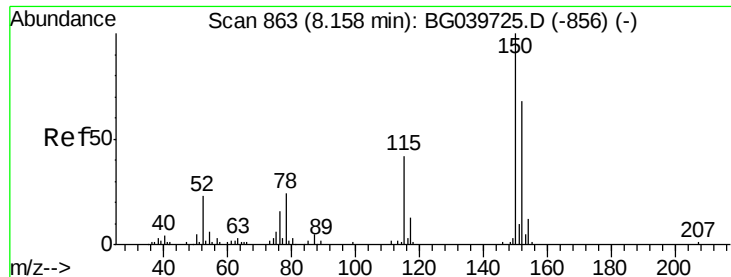
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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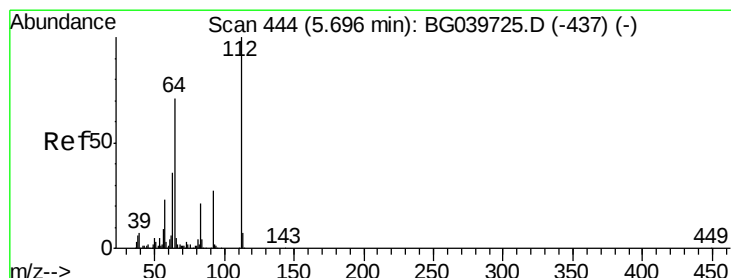
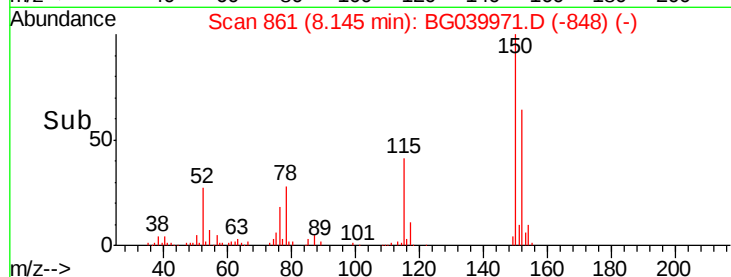
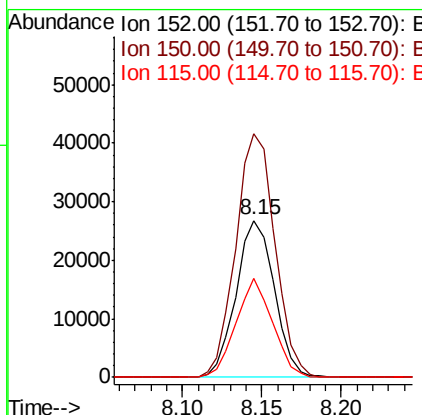
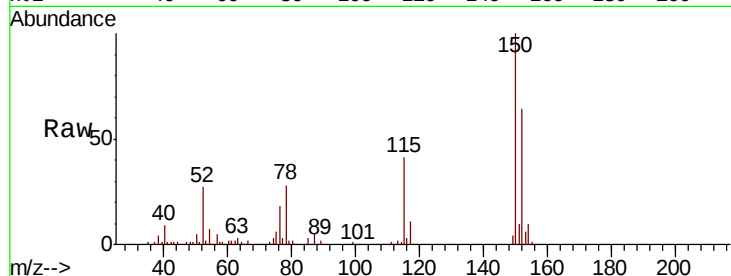


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.03 min
Lab File: BG039971.D
Acq: 16 Mar 2019 11:07

Instrument :
BNA_G
ClientSampleId :
AU-05-031419-C

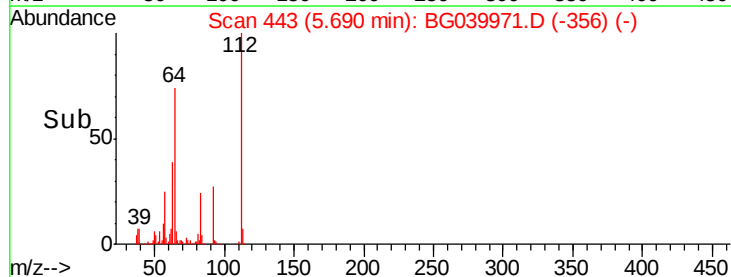
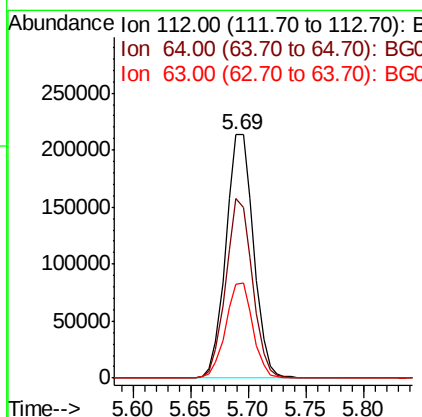
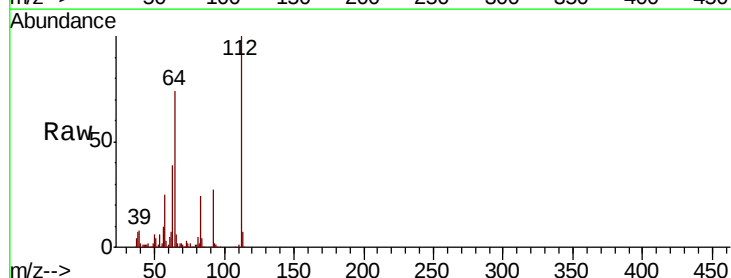
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.7	185.5
115	63.0	45.9	68.9

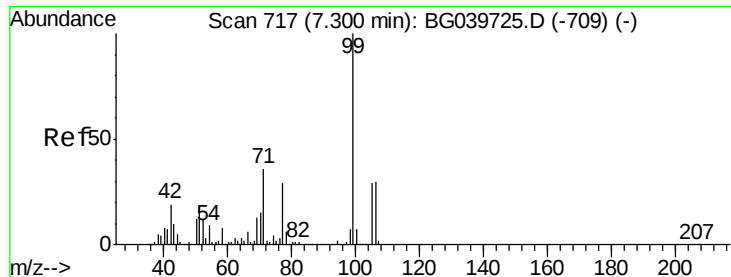


#5

2-Fluorophenol
Concen: 135.079 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039971.D
Acq: 16 Mar 2019 11:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	57.8	86.8
63	38.5	29.8	44.6





#7

Phenol-d6

Concen: 121.143 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039971.D

Acq: 16 Mar 2019 11:07

Instrument :

BNA_G

ClientSampleId :

AU-05-031419-C

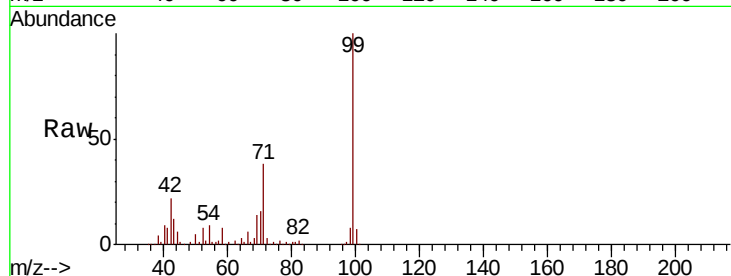
Tot Ion: 99 Resp: 473459

Ion Ratio Lower Upper

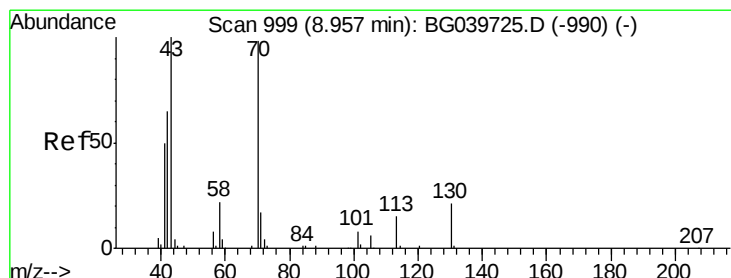
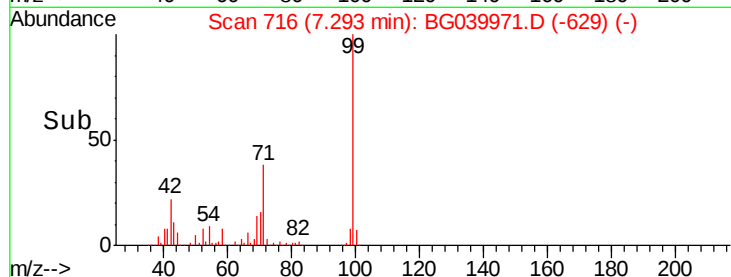
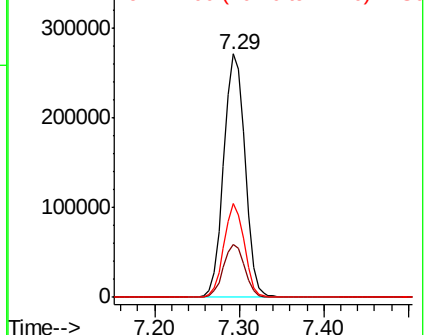
99 100

42 21.6 18.2 27.2

71 38.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.977 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039971.D

Acq: 16 Mar 2019 11:07

Tgt Ion: 70 Resp: 47757

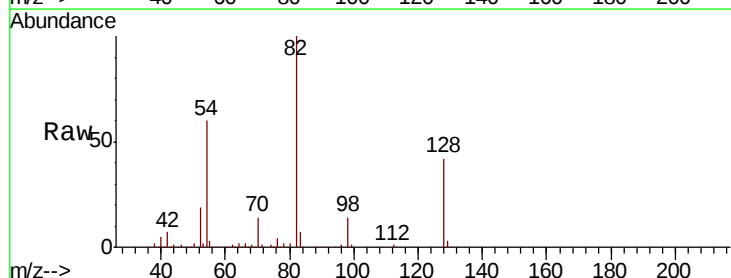
Ion Ratio Lower Upper

70 100

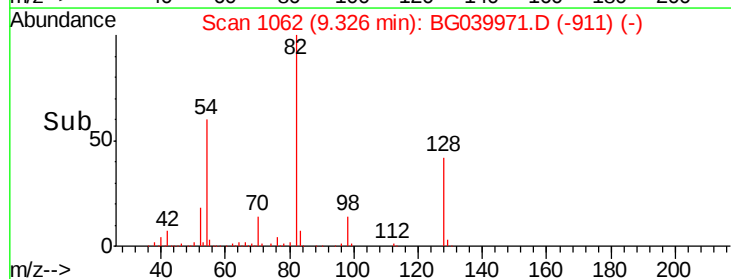
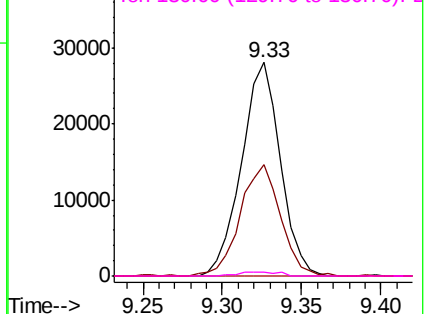
42 52.3 60.4 90.6#

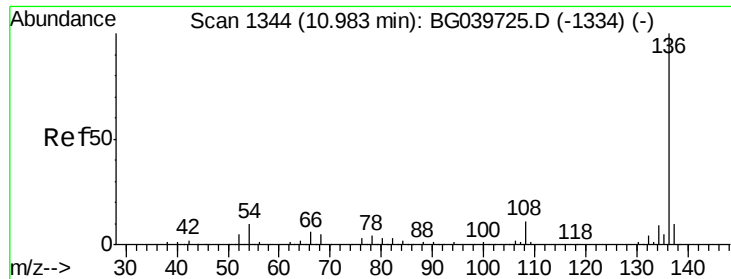
101 0.0 7.5 11.3#

130 1.5 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

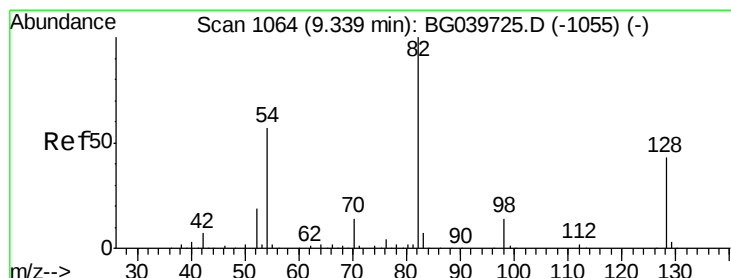
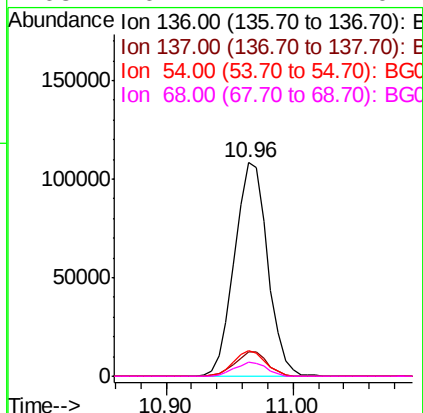
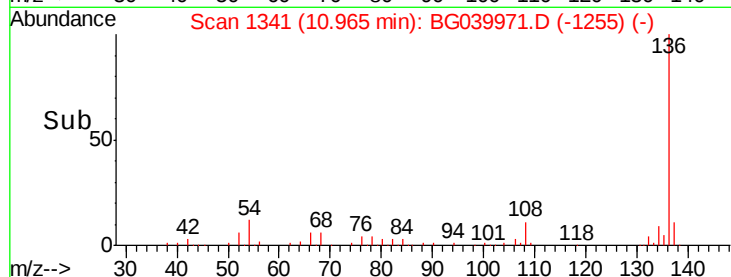
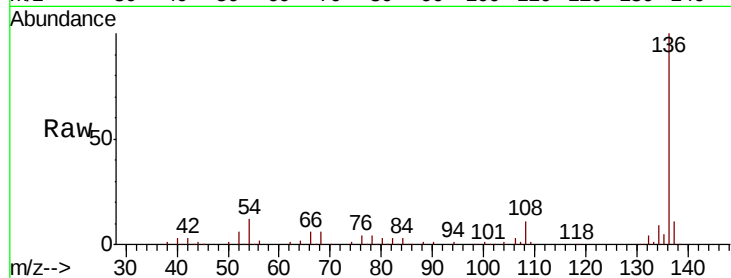




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BG039971.D
Acq: 16 Mar 2019 11:07

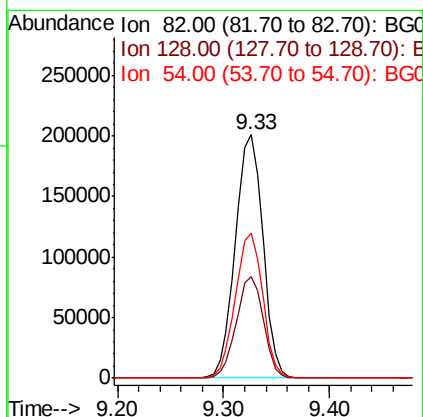
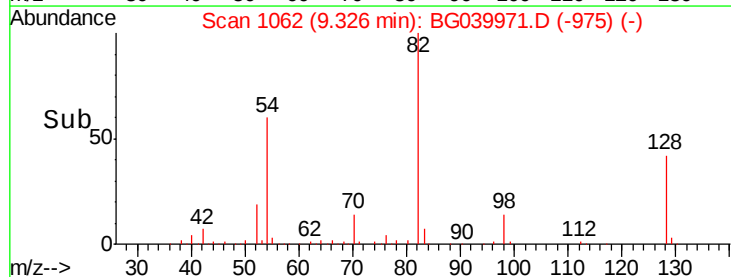
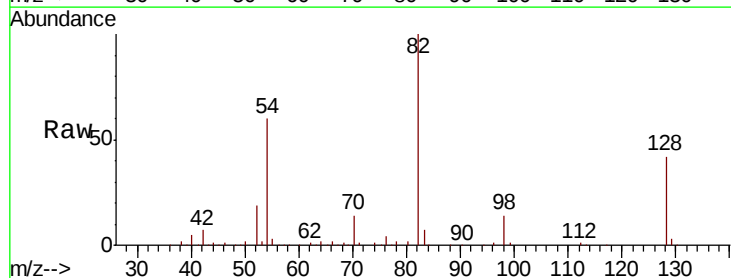
Instrument :
BNA_G
ClientSampleId :
AU-05-031419-C

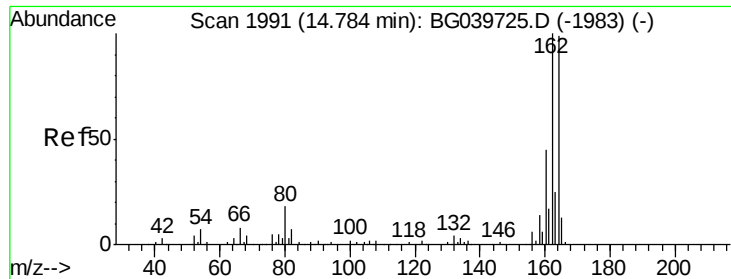
Tot Ion:136	Resp:	195652
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.1 13.7
54	11.8	9.4 14.2
68	6.4	4.2 6.4#



#23
Nitrobenzene-d5
Concen: 100.636 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039971.D
Acq: 16 Mar 2019 11:07

Tgt Ion: 82	Resp:	364055
Ion	Ratio	Lower Upper
82	100	
128	42.0	31.3 46.9
54	59.8	50.9 76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039971.D

Acq: 16 Mar 2019 11:07

Instrument :

BNA_G

ClientSampleId :

AU-05-031419-C

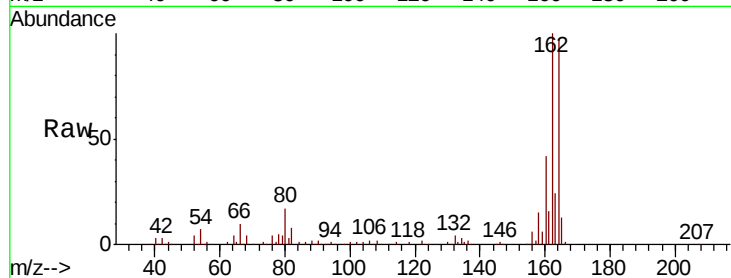
Tot Ion:164 Resp: 134389

Ion Ratio Lower Upper

164 100

162 102.9 81.6 122.4

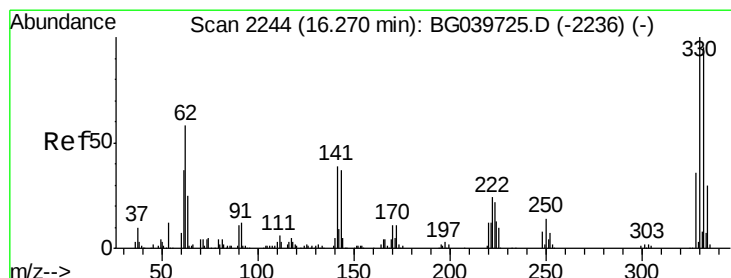
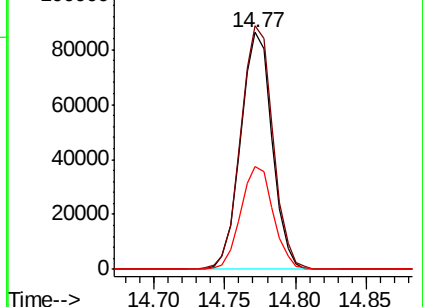
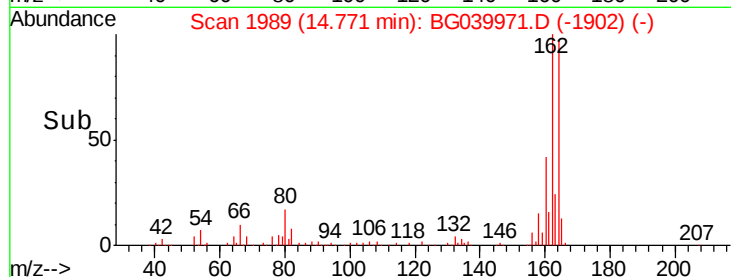
160 43.6 34.2 51.2



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: 131.199 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039971.D

Acq: 16 Mar 2019 11:07

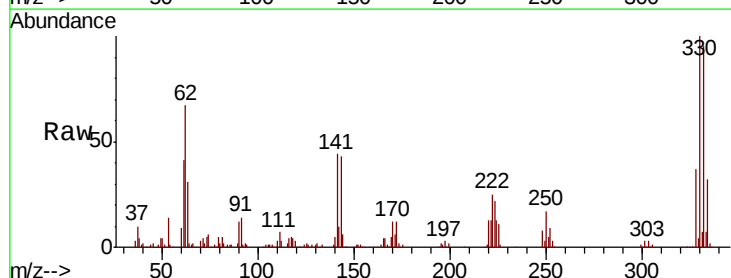
Tgt Ion:330 Resp: 205511

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

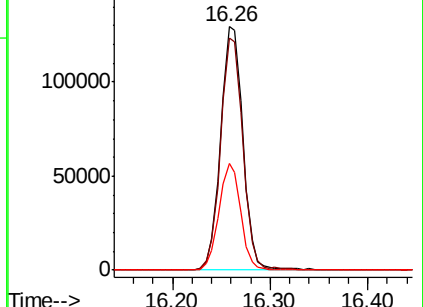
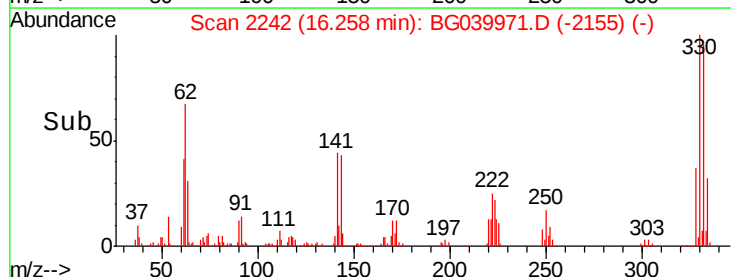
141 42.9 35.6 53.4

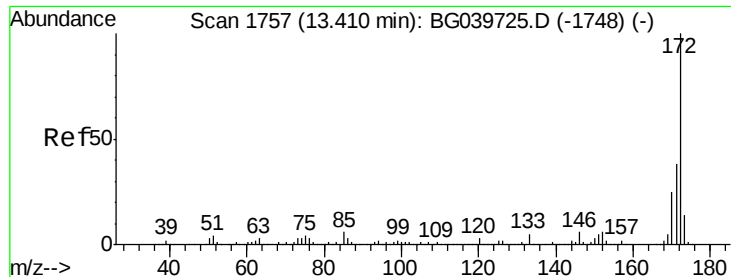


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

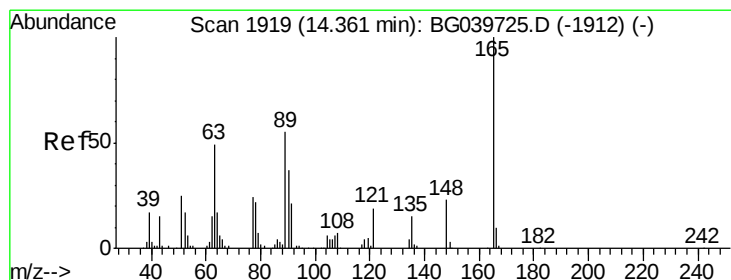
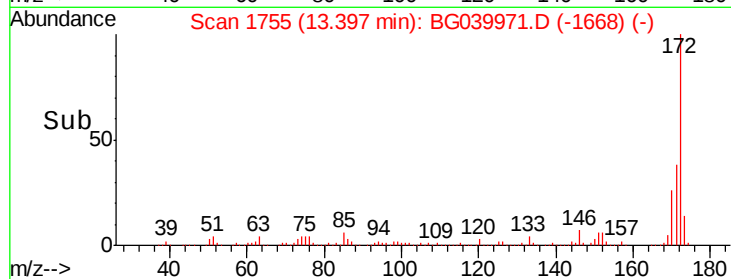
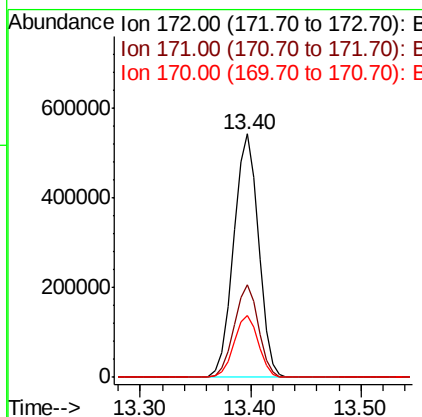
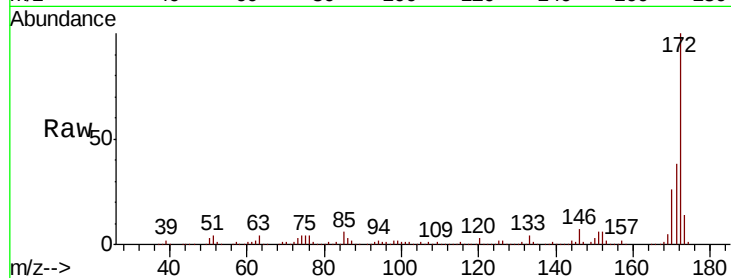




#45
 2-Fluorobiphenyl
 Concen: 90.724 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039971.D
 Acq: 16 Mar 2019 11:07

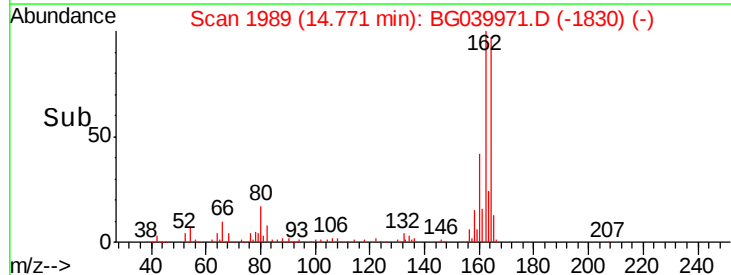
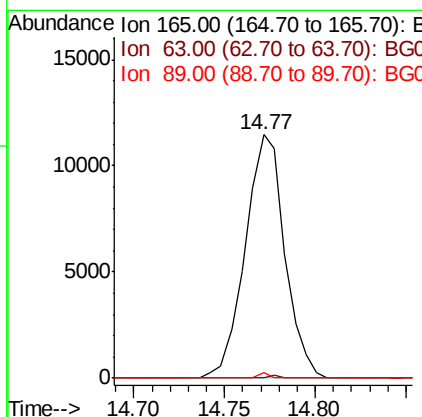
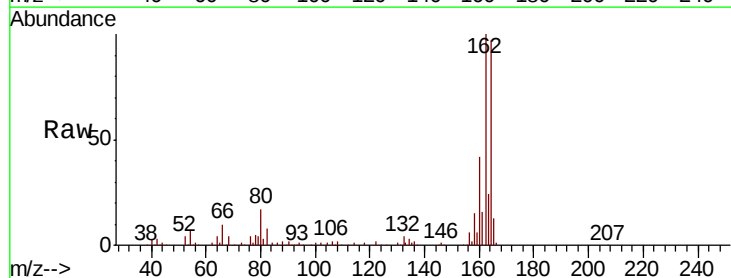
Instrument :
 BNA_G
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 AU-05-031419-C

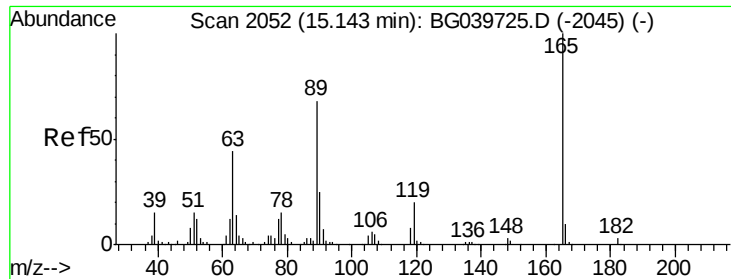
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.8	46.2
170	25.5	20.2	30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.256 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039971.D
 Acq: 16 Mar 2019 11:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	2.4	45.8	68.8#

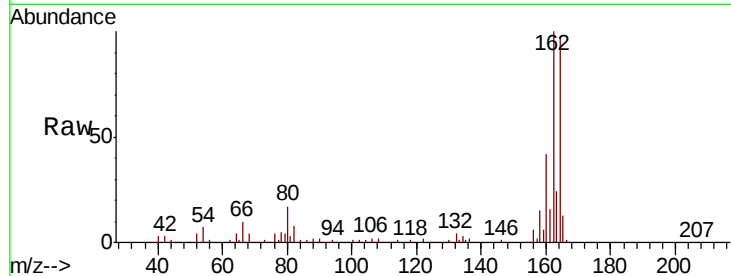




#57
 2,4-Dinitrotoluene
 Concen: 5.164 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039971.D
 Acq: 16 Mar 2019 11:07

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-031419-C

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.4	64.6	96.8#
182	0.0	2.0	3.0#

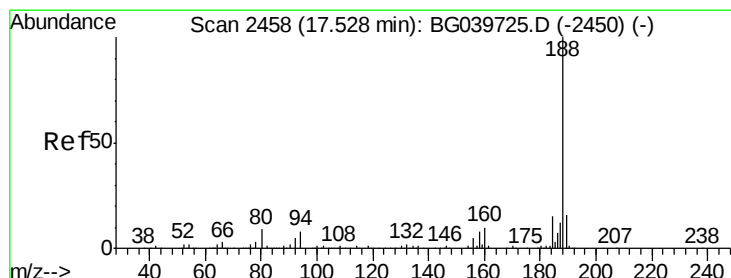
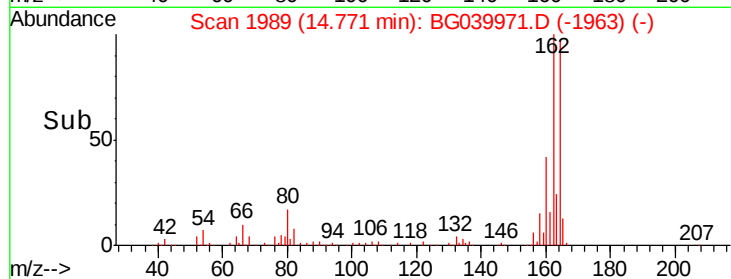
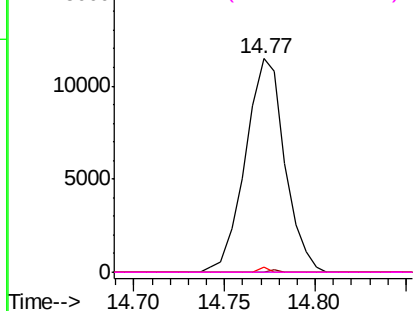


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

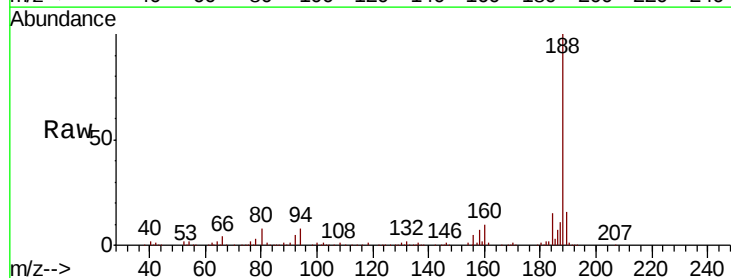
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039971.D
 Acq: 16 Mar 2019 11:07

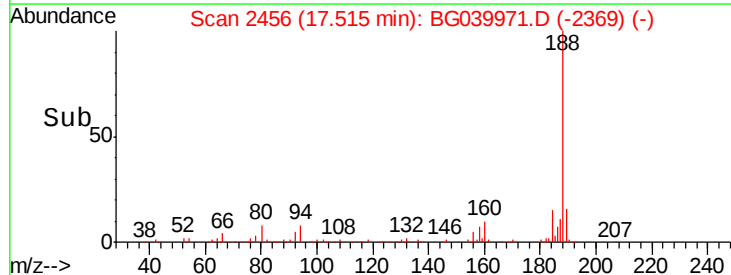
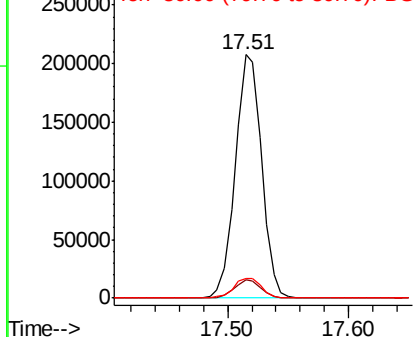
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	8.1	8.1	12.1#

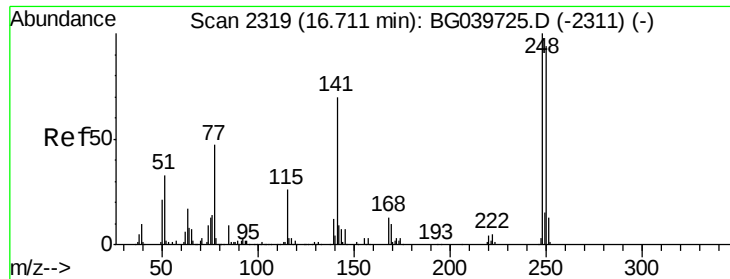


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

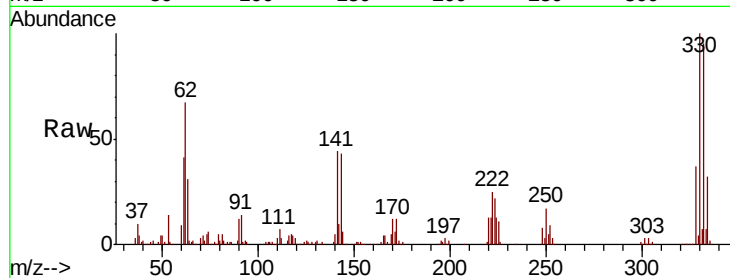




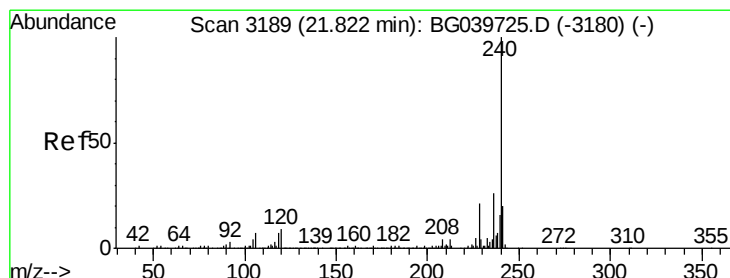
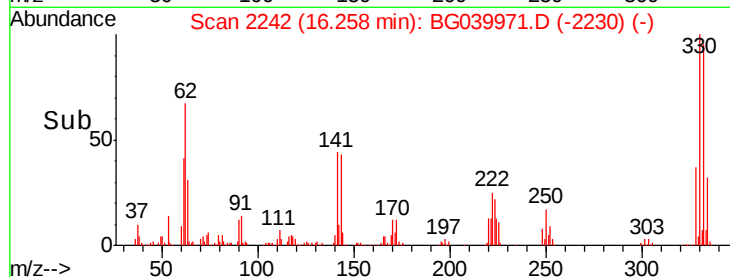
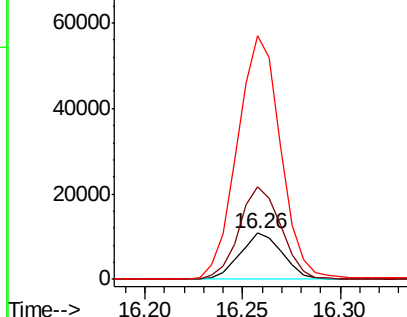
#67
4-Bromophenyl-phenylether
Concen: 4.622 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG039971.D
Acq: 16 Mar 2019 11:07

Instrument :
BNA_G
ClientSampleId :
AU-05-031419-C

Tot Ion:248 Resp: 16330
Ion Ratio Lower Upper
248 100
250 199.5 77.6 116.4#
141 526.8 63.9 95.9#

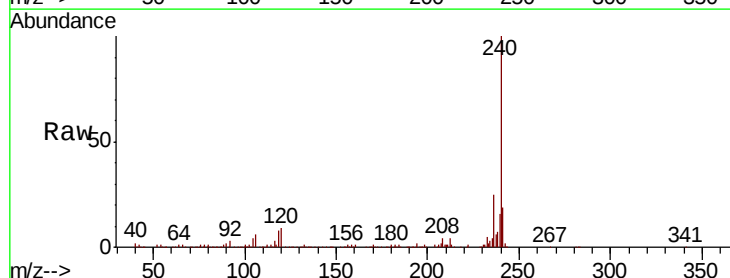


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

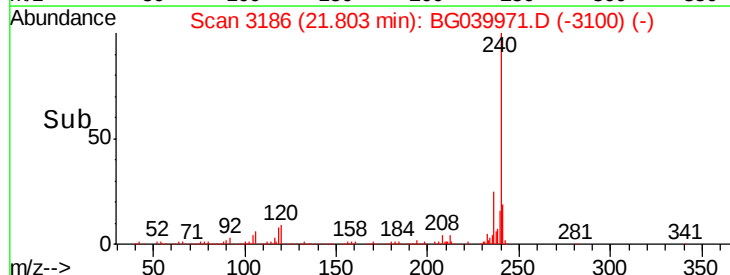
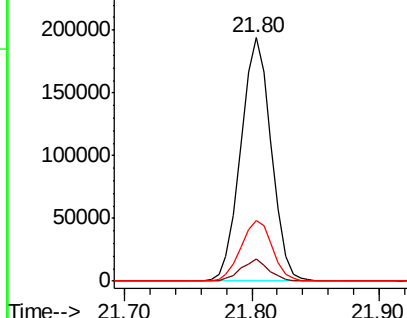


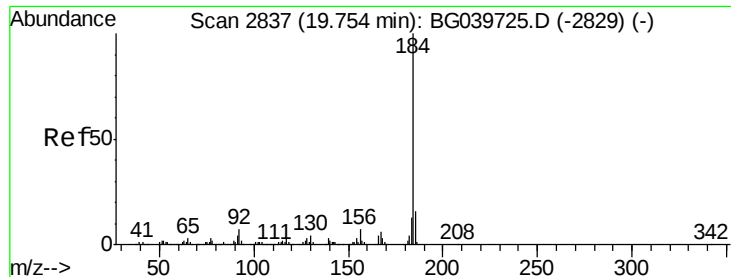
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.03 min
Lab File: BG039971.D
Acq: 16 Mar 2019 11:07

Tgt Ion:240 Resp: 321990
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 25.0 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.349 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039971.D

Acq: 16 Mar 2019 11:07

Instrument :

BNA_G

ClientSampleId :

AU-05-031419-C

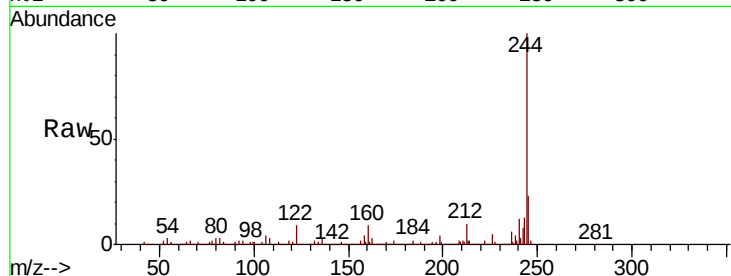
Tot Ion:184 Resp: 24006

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.2

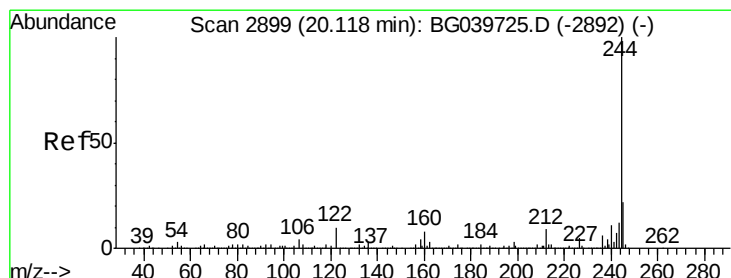
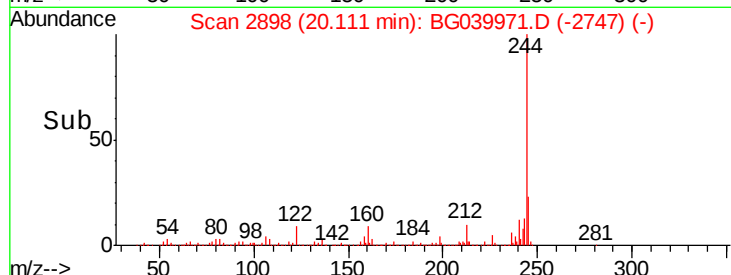
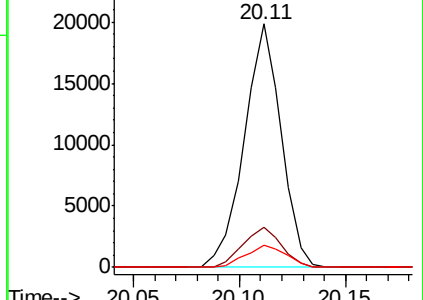
183 8.9 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 90.226 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039971.D

Acq: 16 Mar 2019 11:07

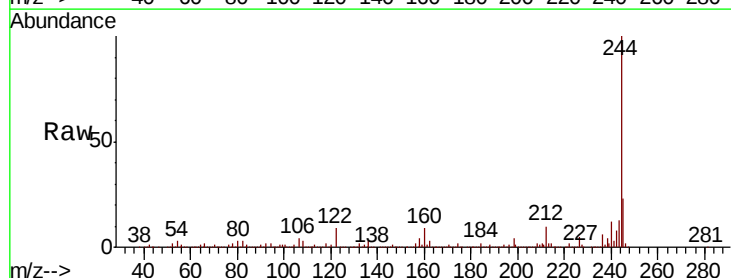
Tgt Ion:244 Resp: 1319460

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

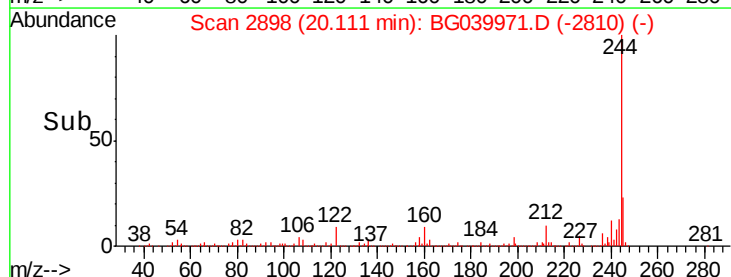
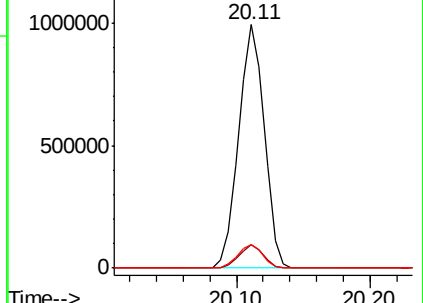
122 9.4 8.4 12.6

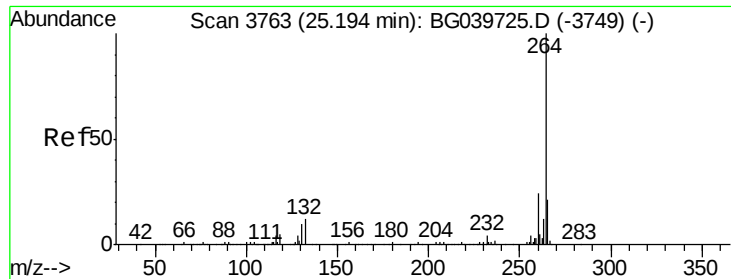


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.17 min Scan# 3759
Delta R.T. -0.03 min
Lab File: BG039971.D
Acq: 16 Mar 2019 11:07

Instrument :
BNA_G
ClientSampleId :
AU-05-031419-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	22.1	18.5	27.7

