

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030419\
 Data File : BG039757.D
 Acq On : 5 Mar 2019 8:51
 Operator : JU/SJ
 Sample : K1688-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-030119-G

Quant Time: Mar 05 11:08:03 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

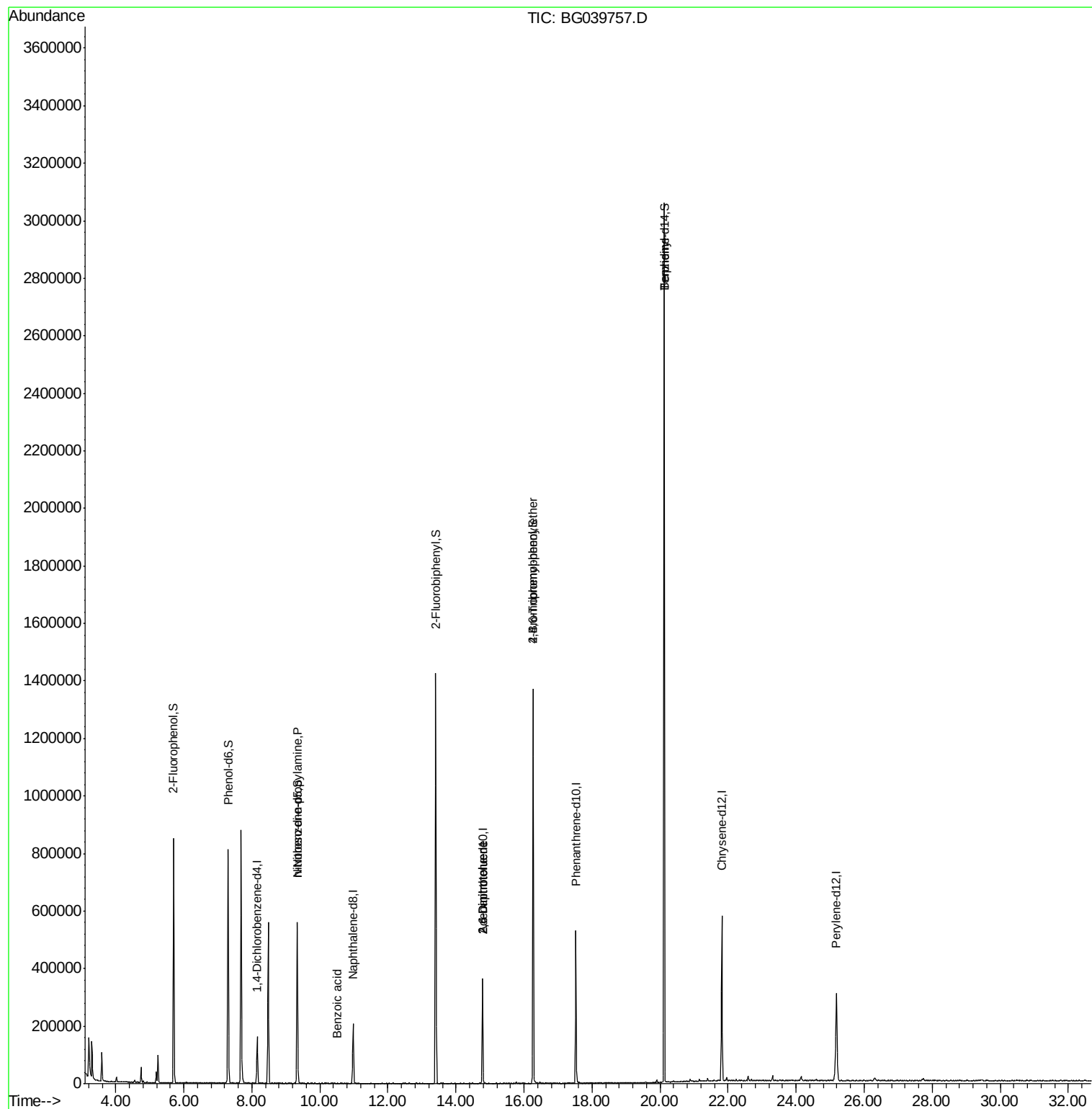
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42571	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	180231	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	124007	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	324207	20.00	ng	0.00
76) Chrysene-d12	21.81	240	351967	20.00	ng	-0.02
87) Perylene-d12	25.19	264	347602	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	348706	139.74	ng	0.00
7) Phenol-d6	7.30	99	462398	124.28	ng	0.00
23) Nitrobenzene-d5	9.34	82	329104	98.76	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	227163	157.16	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	776063	89.11	ng	-0.02
79) Terphenyl-d14	20.12	244	1440607	90.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	43177	16.122	ng	# 65
32) Benzoic acid	10.50	122	53	6.624	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	16293	7.412	ng	# 22
57) 2,4-Dinitrotoluene	14.78	165	16293	5.275	ng	# 17
67) 4-Bromophenyl-phenylether	16.27	248	18642	5.137	ng	# 1
77) Benzidine	20.12	184	25981	2.326	ng	# 94

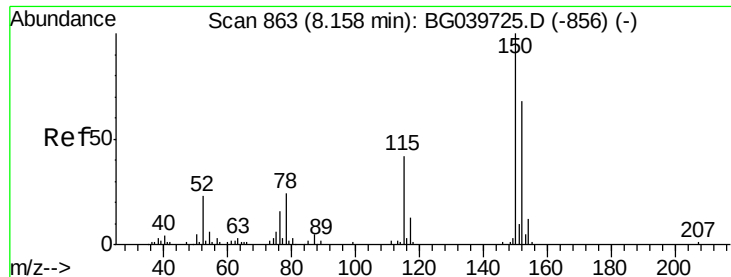
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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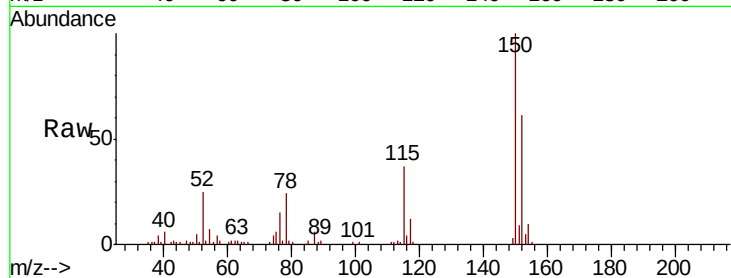


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Instrument :
BNA_G
ClientSampleId :
JC-03-030119-G

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.4	123.7	185.5
115	60.2	45.9	68.9

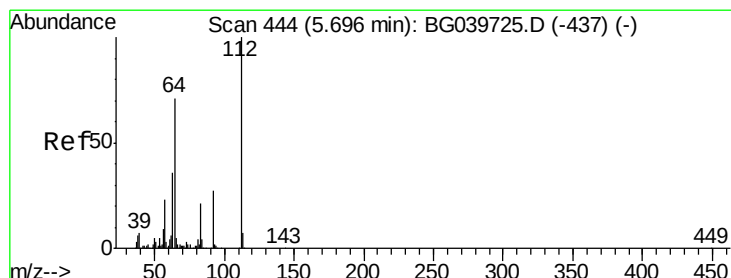
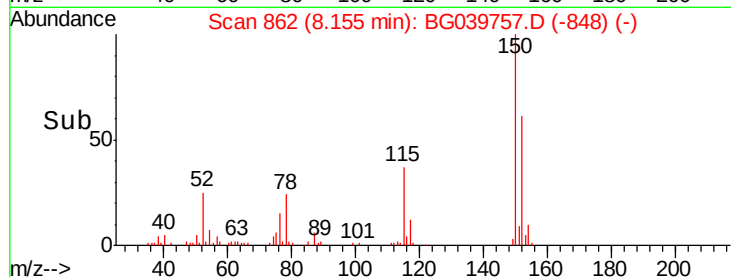
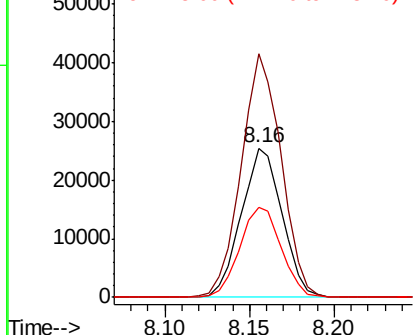


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

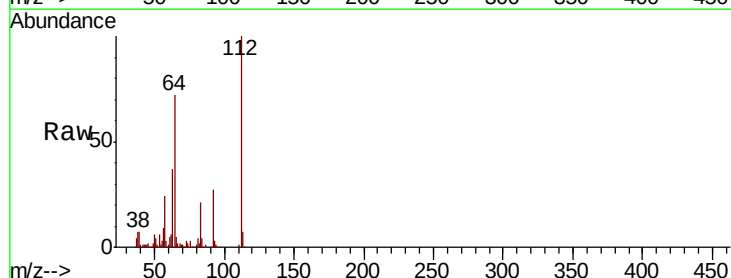
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 139.742 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	57.8	86.8
63	36.9	29.8	44.6

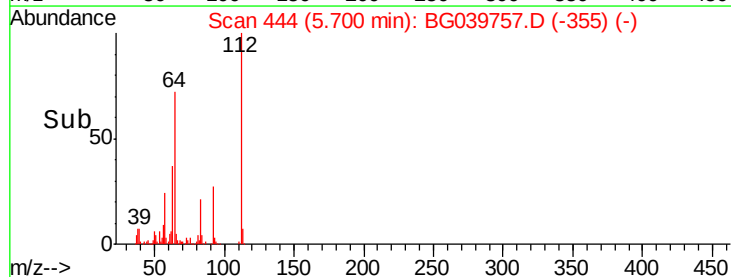
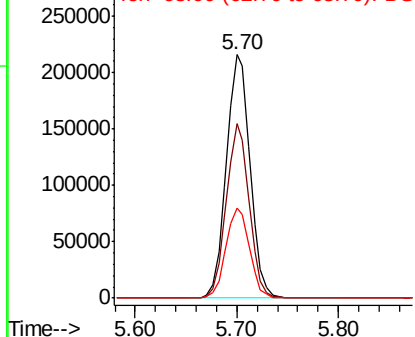


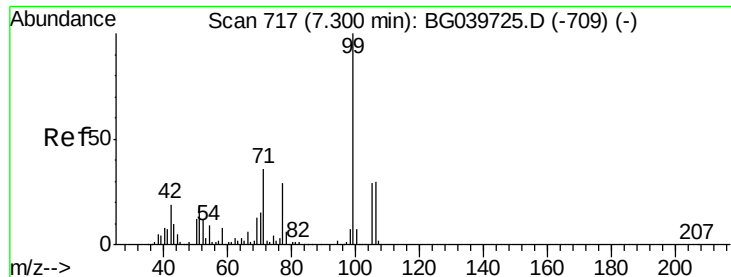
Abundance

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: 124.276 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Instrument :

BNA_G

ClientSampleId :

JC-03-030119-G

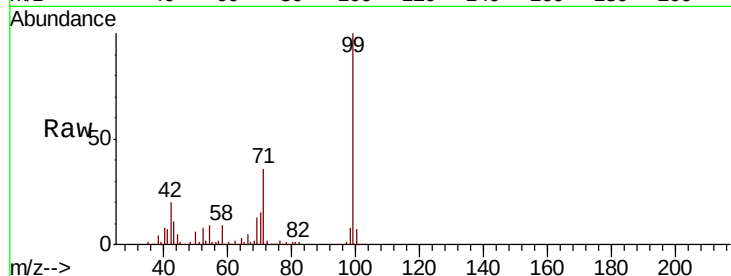
Tot Ion: 99 Resp: 462398

Ion Ratio Lower Upper

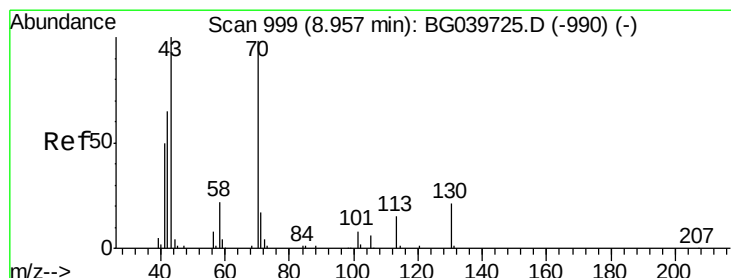
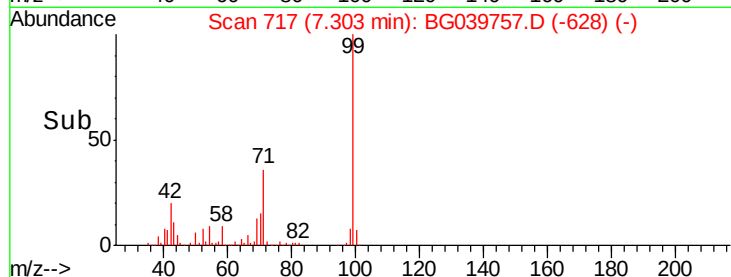
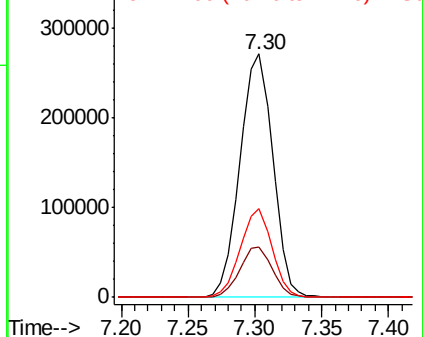
99 100

42 20.5 18.2 27.2

71 36.3 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: 16.122 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Tgt Ion: 70 Resp: 43177

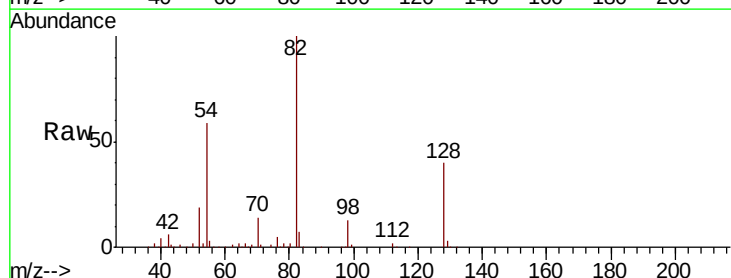
Ion Ratio Lower Upper

70 100

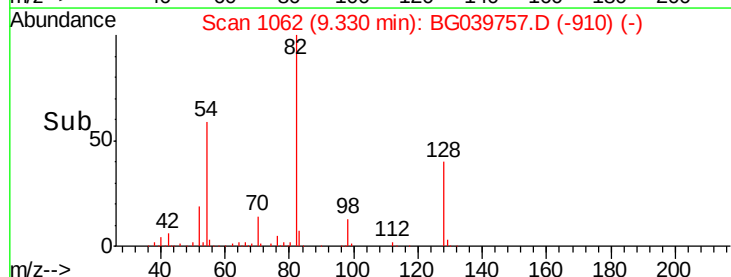
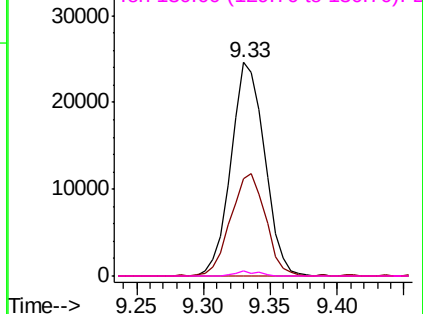
42 45.6 60.4 90.6#

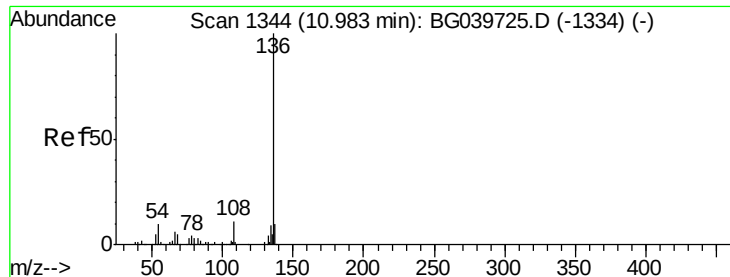
101 0.0 7.5 11.3#

130 2.2 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

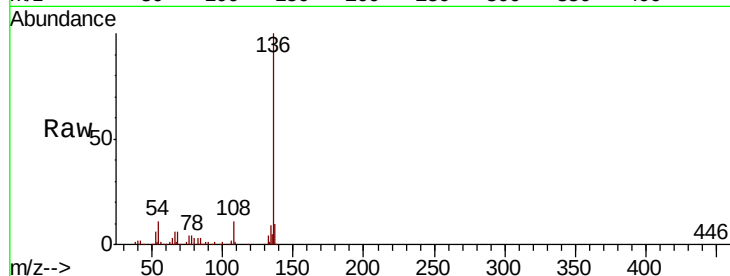




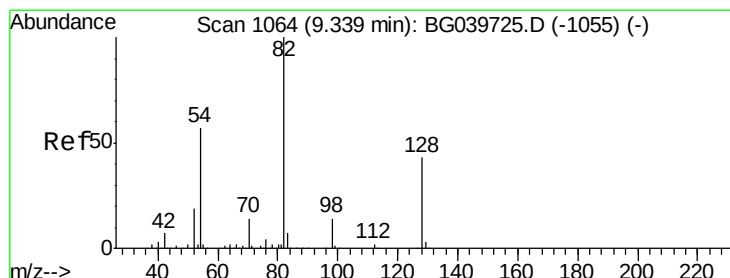
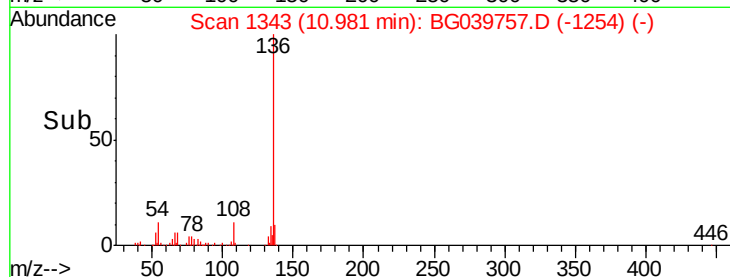
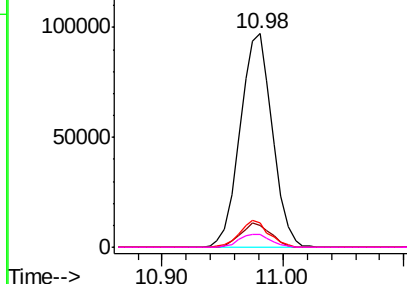
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Instrument :
BNA_G
ClientSampleId :
JC-03-030119-G

Tot Ion:136	Resp:	180231
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.1 13.7
54	11.3	9.4 14.2
68	6.0	4.2 6.4

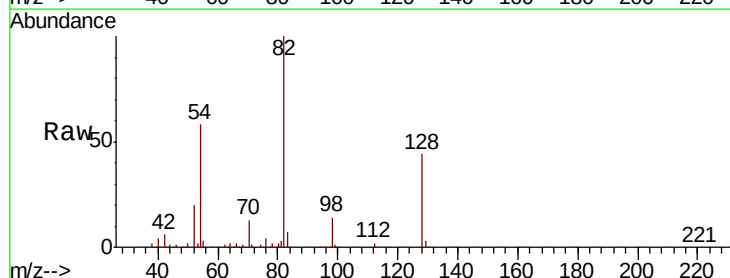


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

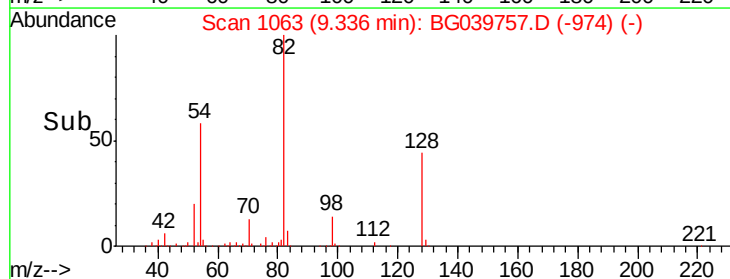
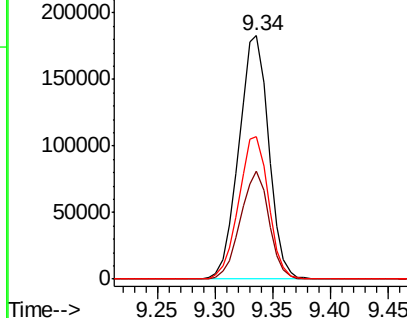


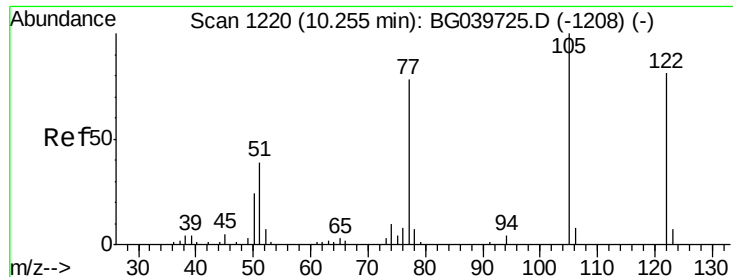
#23
Nitrobenzene-d5
Concen: 98.758 ng
RT: 9.34 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Tgt Ion: 82	Resp:	329104
Ion Ratio	Lower	Upper
82	100	
128	44.3	31.3 46.9
54	58.4	50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

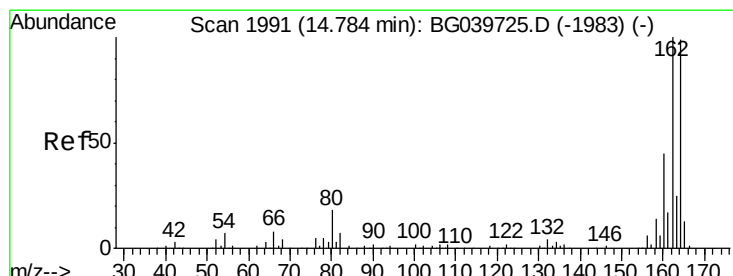
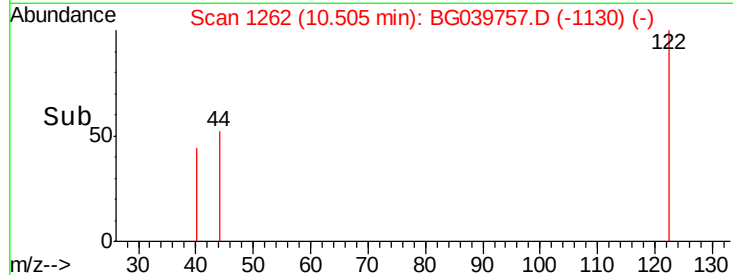
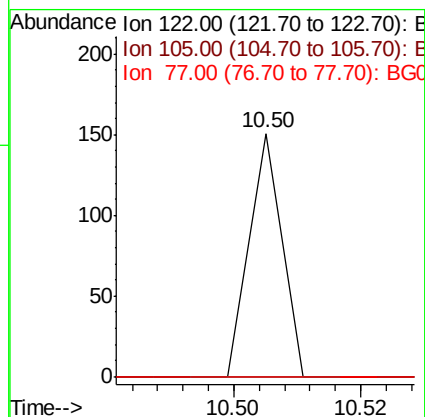
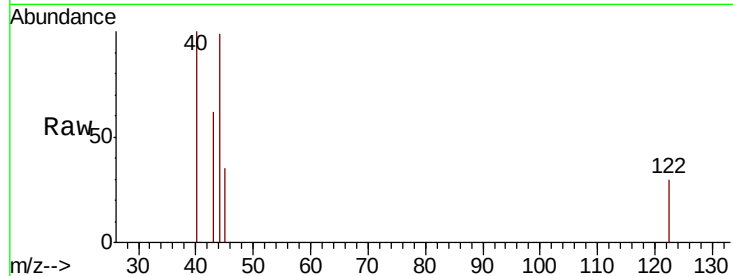




#32
Benzoic acid
Concen: 6.624 ng
RT: 10.50 min Scan# 1262
Delta R.T. 0.24 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

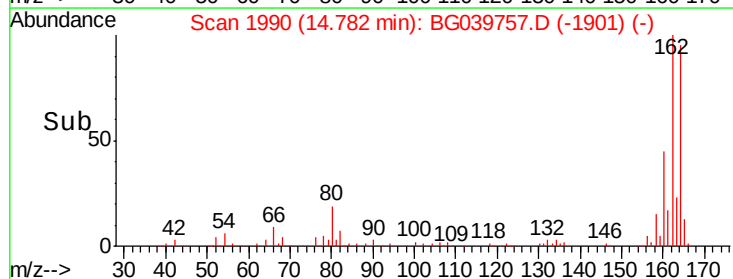
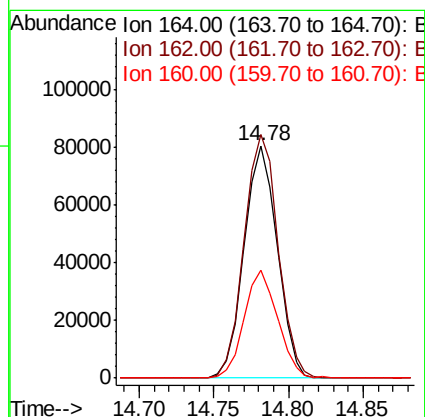
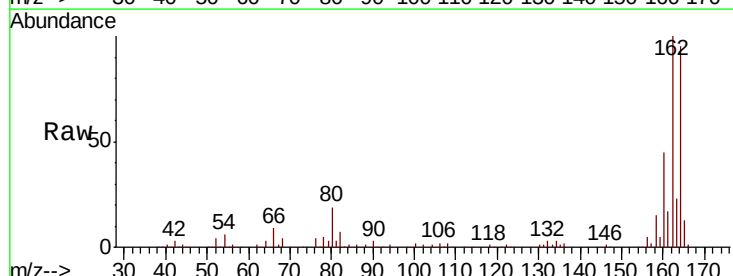
Instrument :
BNA_G
ClientSampleId :
JC-03-030119-G

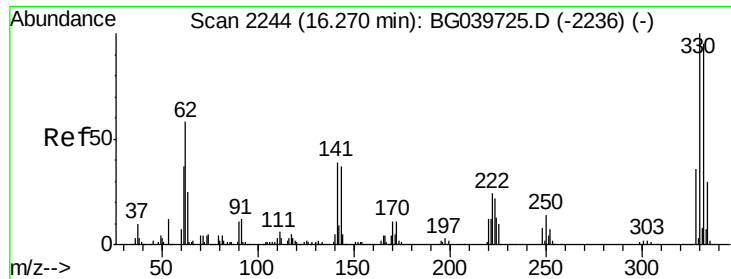
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	81.6	122.4
160	46.7	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 157.163 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Instrument :

BNA_G

ClientSampleId :

JC-03-030119-G

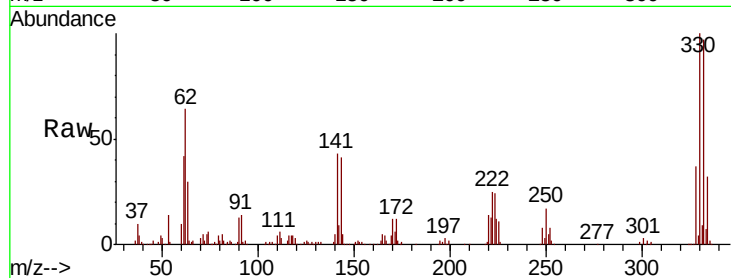
Tot Ion:330 Resp: 227163

Ion Ratio Lower Upper

330 100

332 96.2 75.7 113.5

141 43.1 35.6 53.4

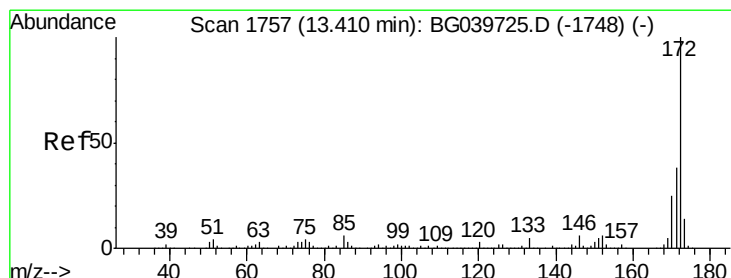
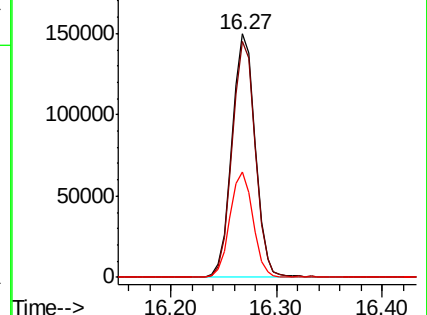
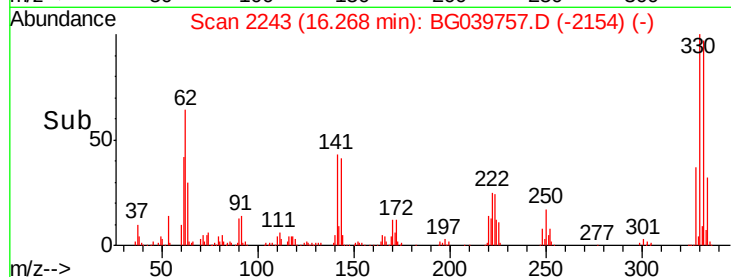


Abundance

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: 89.106 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

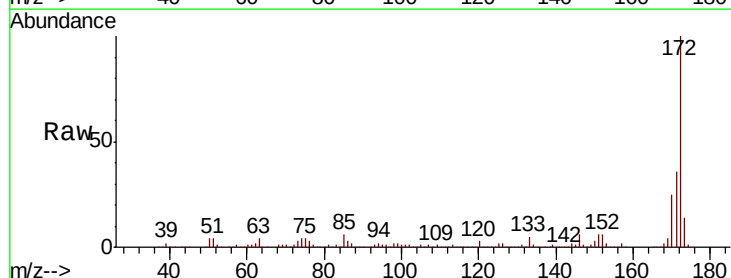
Tgt Ion:172 Resp: 776063

Ion Ratio Lower Upper

172 100

171 36.2 30.8 46.2

170 24.9 20.2 30.4

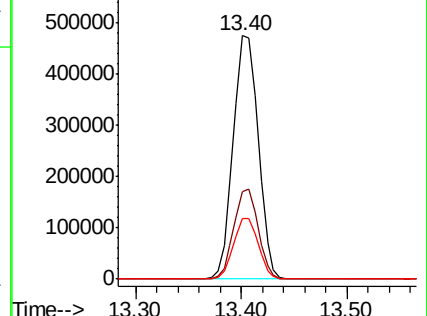
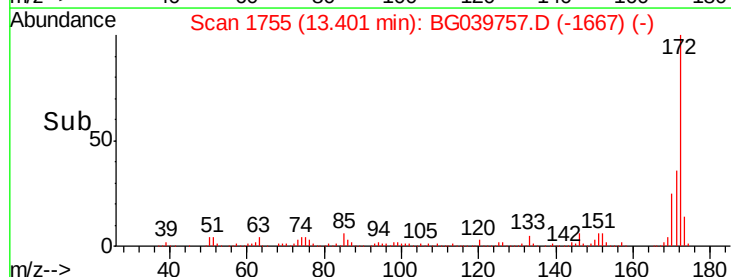


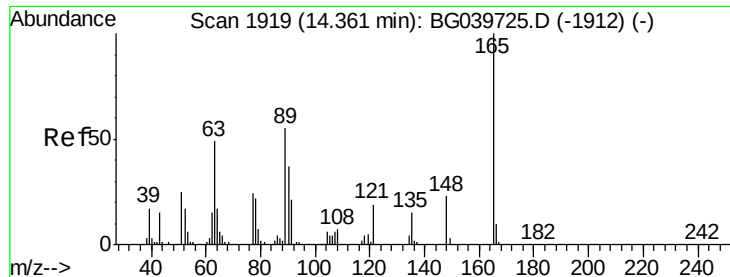
Abundance

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

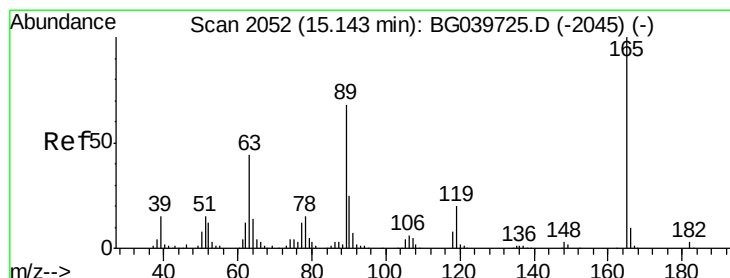
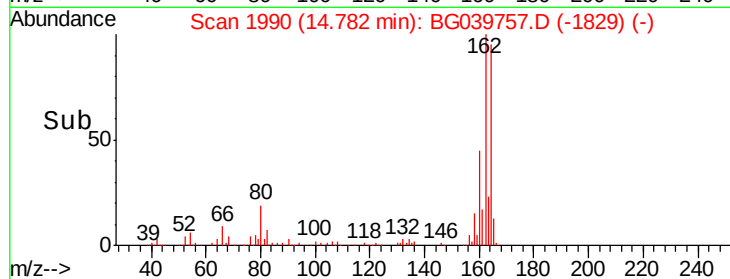
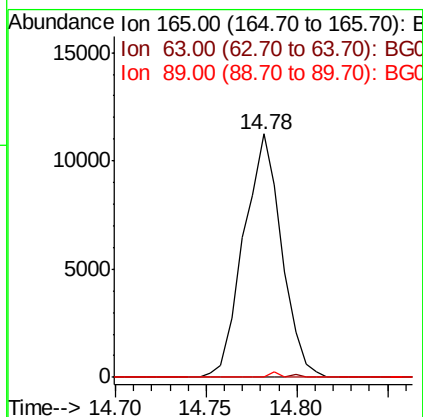
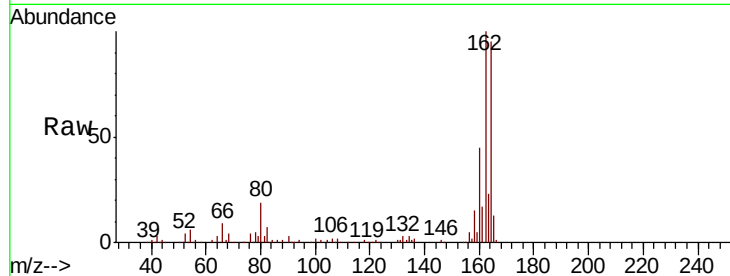




#51
 2,6-Dinitrotoluene
 Concen: 7.412 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039757.D
 Acq: 5 Mar 2019 8:51

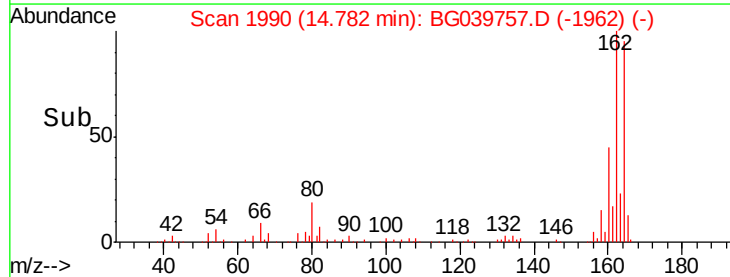
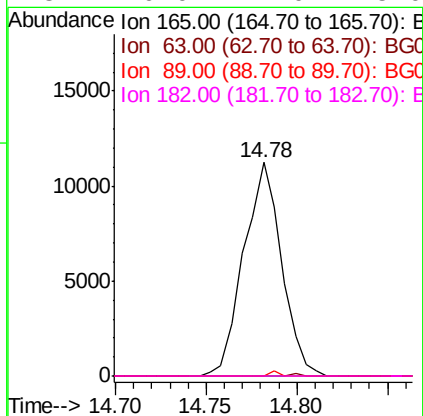
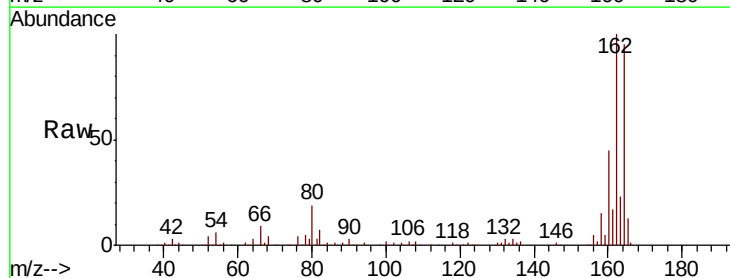
Instrument :
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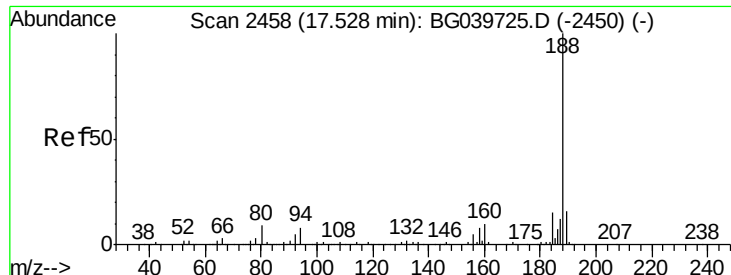
Tot Ion:165 Resp: 16293
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.275 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039757.D
 Acq: 5 Mar 2019 8:51

Tgt Ion:165 Resp: 16293
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 0.0 64.6 96.8#
 182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Instrument :

BNA_G

ClientSampleId :

JC-03-030119-G

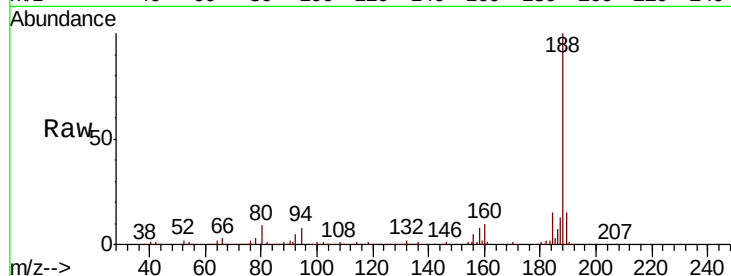
Tot Ion:188 Resp: 324207

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	9.1	8.1	12.1

188 100

94 8.1 6.9 10.3

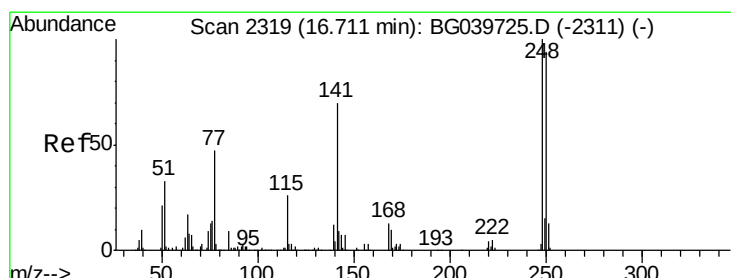
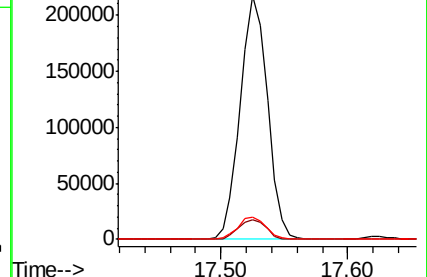
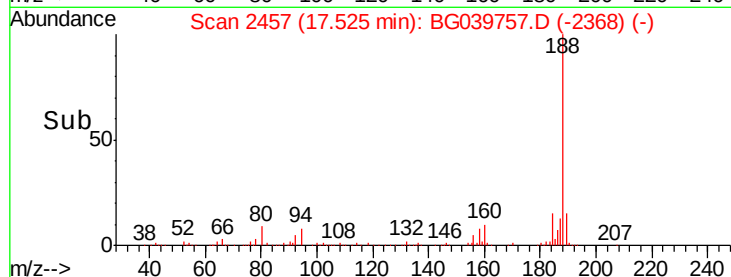
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 5.137 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

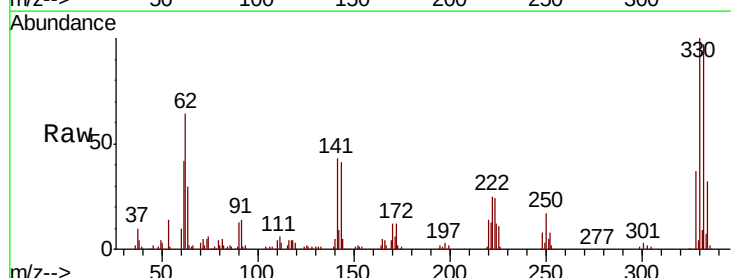
Tgt Ion:248 Resp: 18642

Ion	Ratio	Lower	Upper
248	100		
250	207.8	77.6	116.4#
141	535.4	63.9	95.9#

248 100

250 207.8 77.6 116.4#

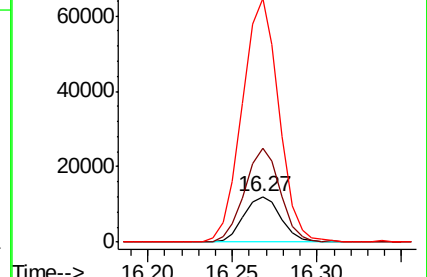
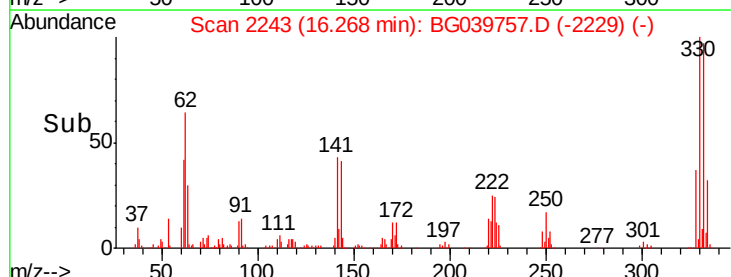
141 535.4 63.9 95.9#

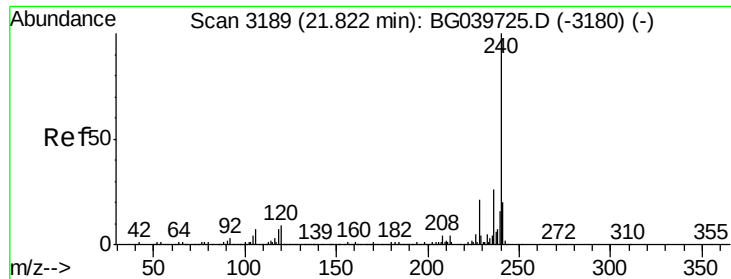


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

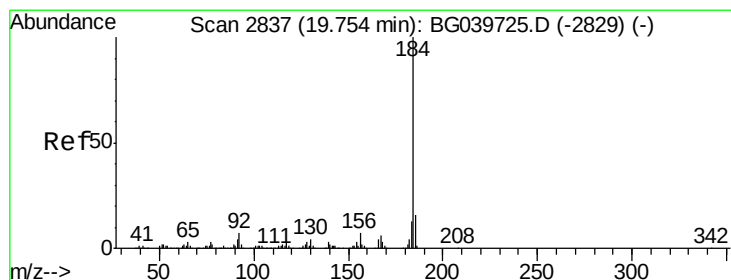
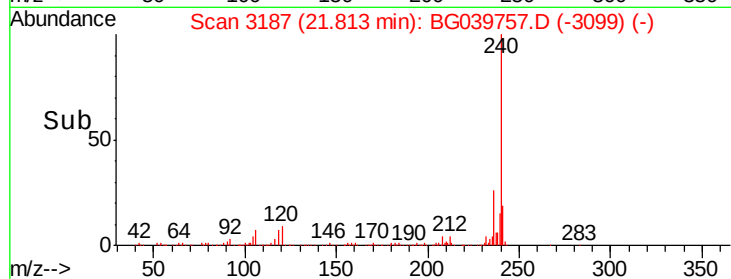
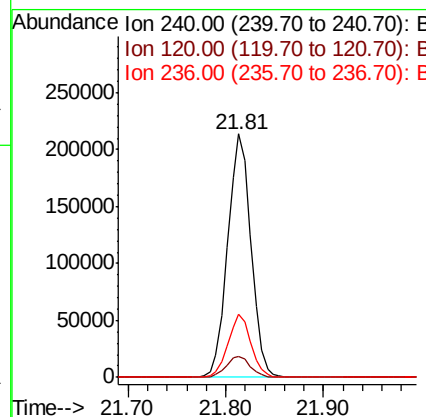
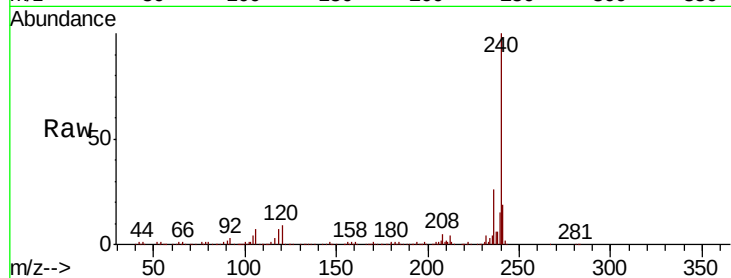




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

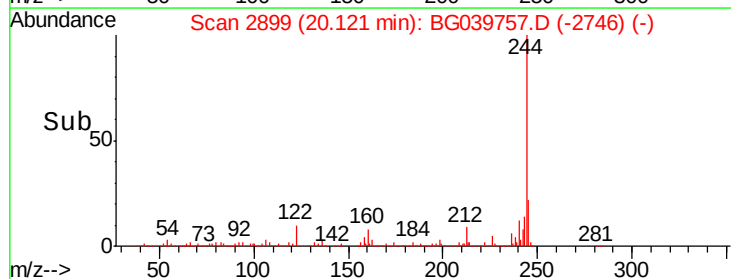
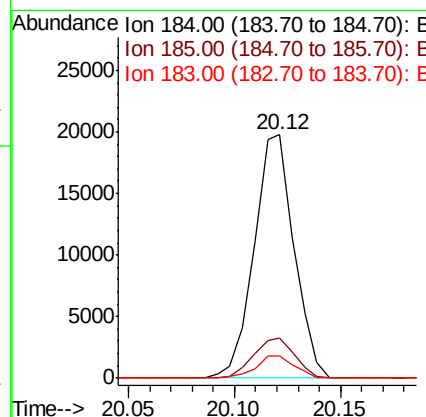
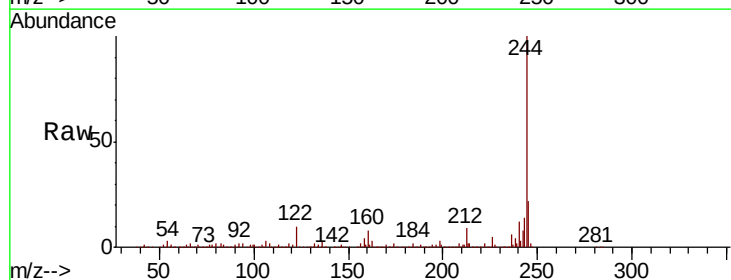
Instrument :
BNA_G
ClientSampleId :
JC-03-030119-G

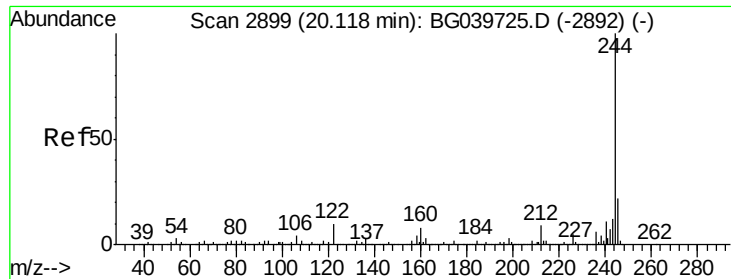
Tot Ion:240 Resp: 351967
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.326 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Tgt Ion:184 Resp: 25981
Ion Ratio Lower Upper
184 100
185 16.5 12.2 18.2
183 9.3 10.6 15.8#





#79

Terphenyl-d14

Concen: 90.120 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Instrument :

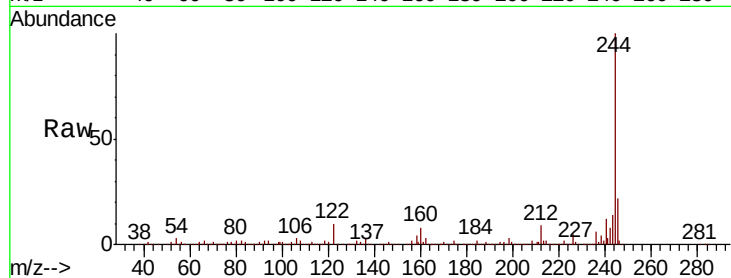
BNA_G

ClientSampleId :

JC-03-030119-G

Tot Ion:244 Resp: 1440607

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.3	10.9
122	9.6	8.4	12.6

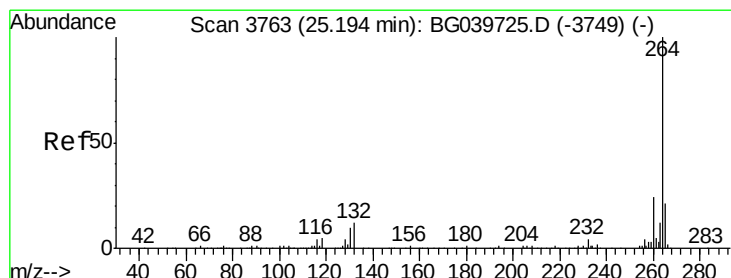
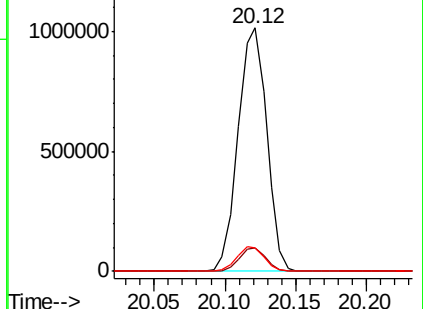
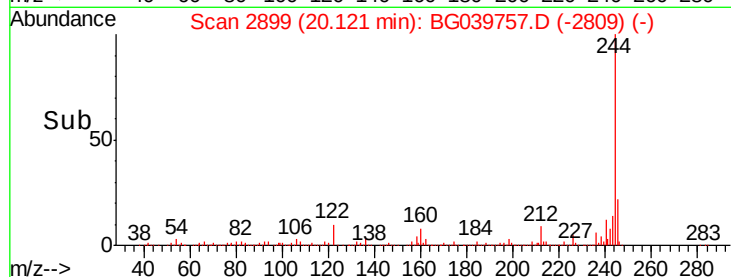


Abundance

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: 25.19 min Scan# 3761

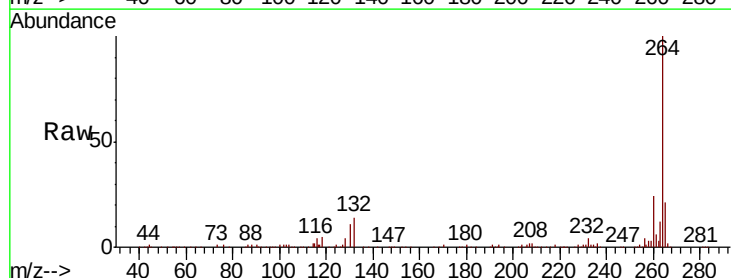
Delta R.T. -0.02 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Tgt Ion:264 Resp: 347602

Ion	Ratio	Lower	Upper
264	100		
260	23.9	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

