

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\
 Data File : BG039966.D
 Acq On : 16 Mar 2019 7:50
 Operator : JU/SJ
 Sample : K1897-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Mar 18 01:07:16 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

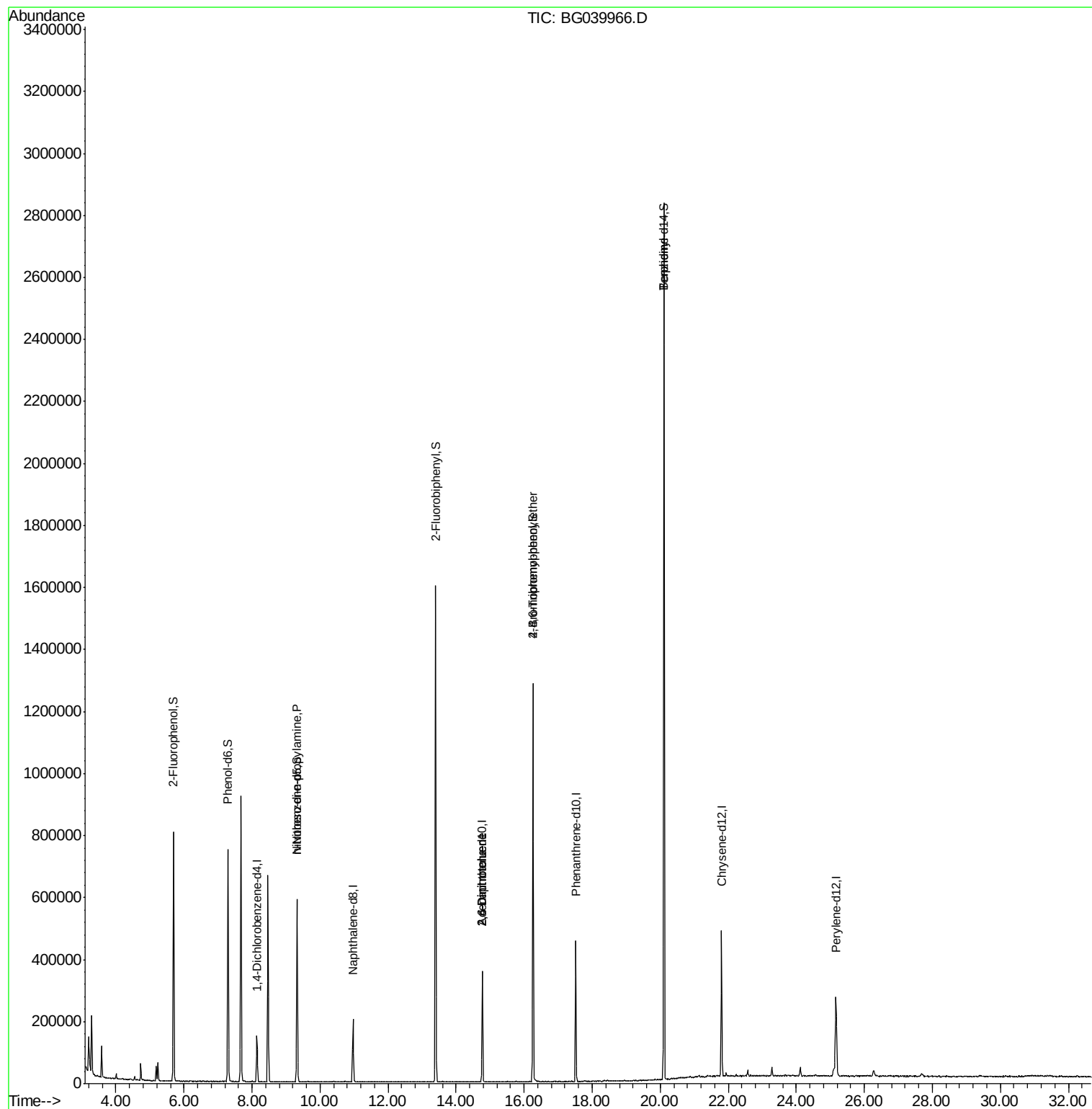
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43037	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	176068	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	123644	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	287264	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	289671	20.00	ng	-0.02
87) Perylene-d12	25.17	264	288093	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	329268	130.52	ng	-0.01
7) Phenol-d6	7.29	99	420768	111.86	ng	-0.02
23) Nitrobenzene-d5	9.33	82	348843	107.16	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	225568	156.52	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	842987	97.07	ng	-0.02
79) Terphenyl-d14	20.11	244	1280089	97.30	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	46380	17.131	ng	# 69
51) 2,6-Dinitrotoluene	14.77	165	16378	7.472	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	16378	5.318	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	18069	5.619	ng	# 1
77) Benzidine	20.11	184	23932	2.604	ng	# 95

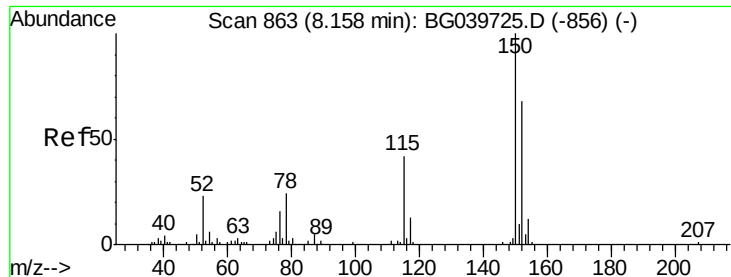
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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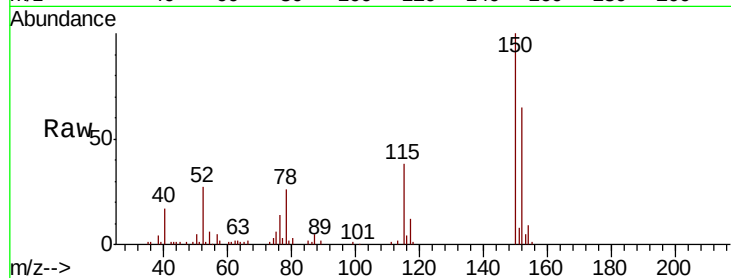


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.03 min
Lab File: BG039966.D
Acq: 16 Mar 2019 7:50

Instrument :
BNA_G
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.7	185.5
115	58.8	45.9	68.9

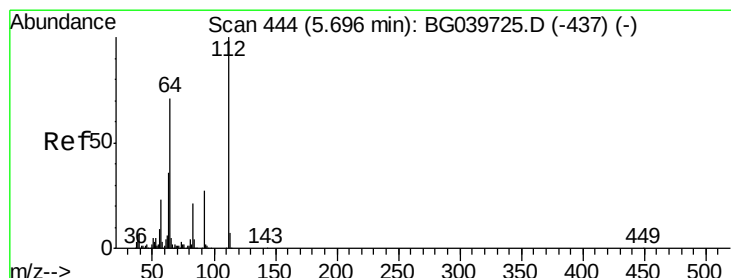
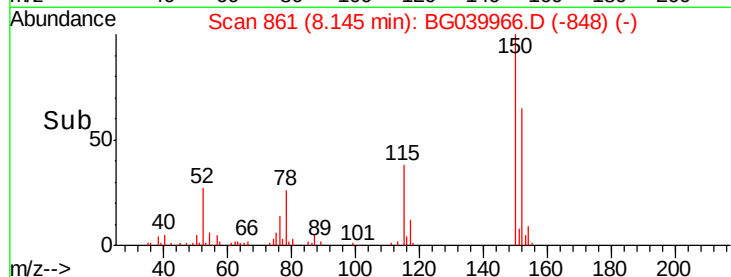
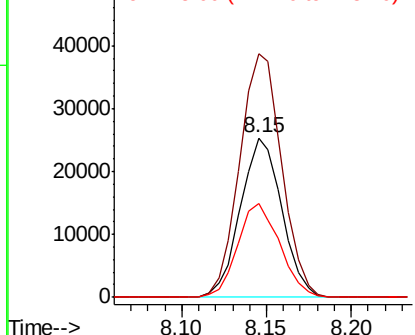


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

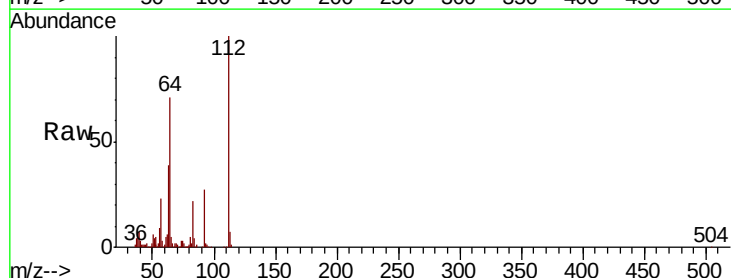
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.524 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039966.D
Acq: 16 Mar 2019 7:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	57.8	86.8
63	38.8	29.8	44.6

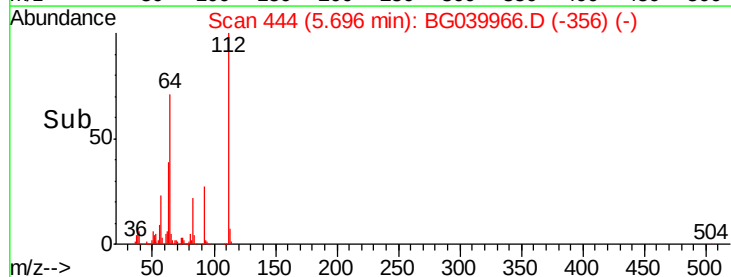
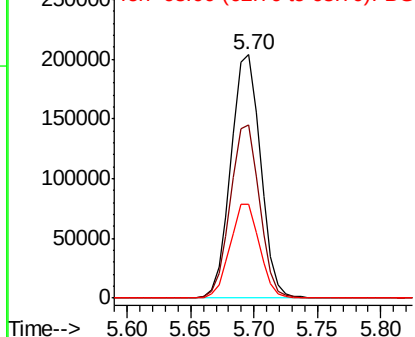


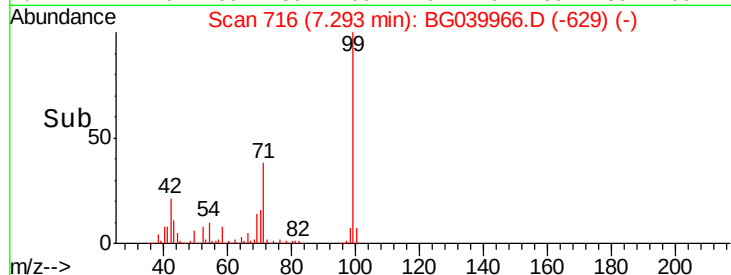
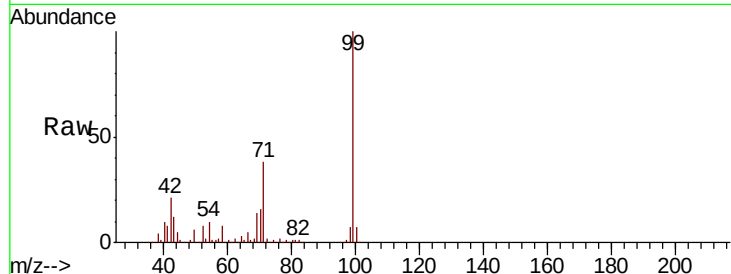
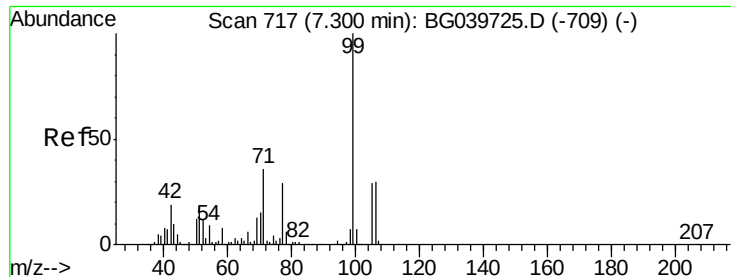
Abundance

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: 111.863 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039966.D

Acq: 16 Mar 2019 7:50

Instrument :

BNA_G

ClientSampleId :

TP-1

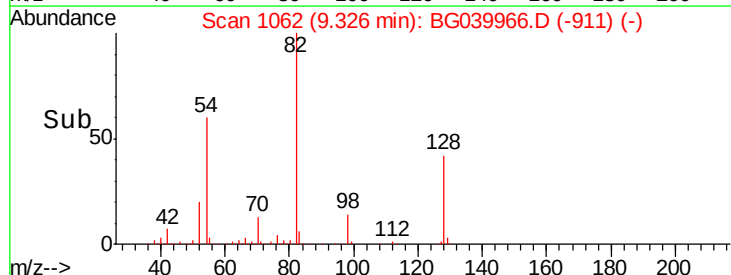
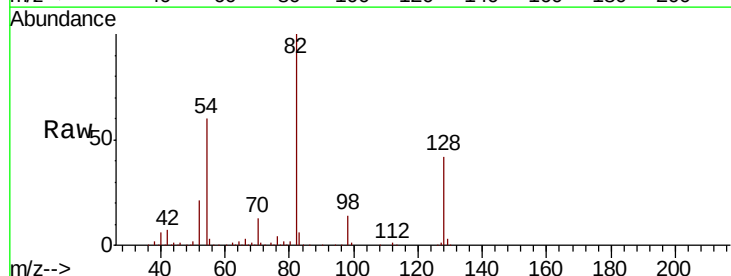
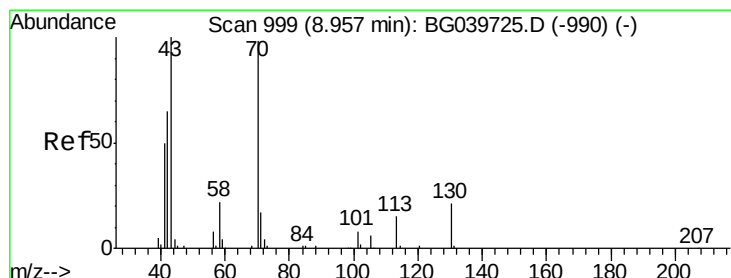
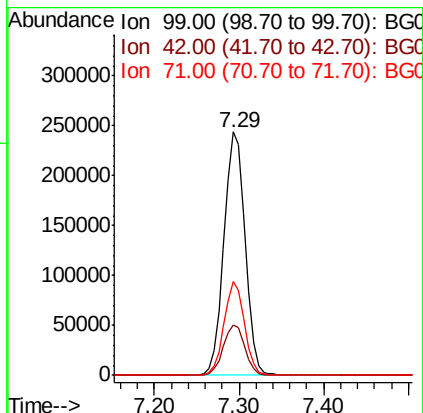
Tot Ion: 99 Resp: 420768

Ion Ratio Lower Upper

99 100

42 20.9 18.2 27.2

71 38.5 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.131 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039966.D

Acq: 16 Mar 2019 7:50

Tgt Ion: 70 Resp: 46380

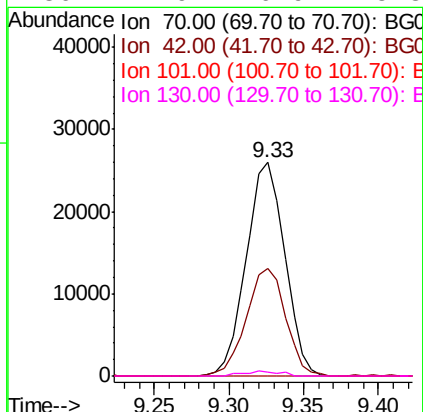
Ion Ratio Lower Upper

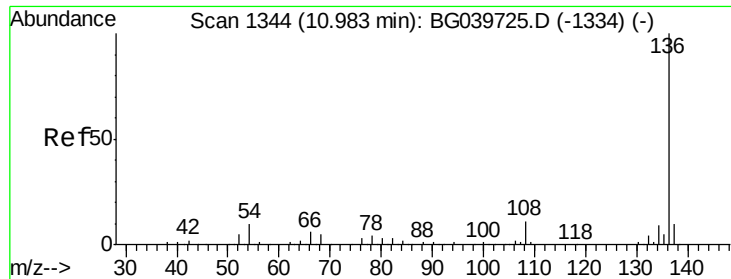
70 100

42 50.4 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#

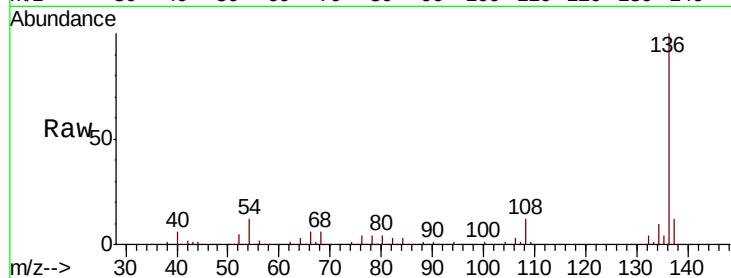




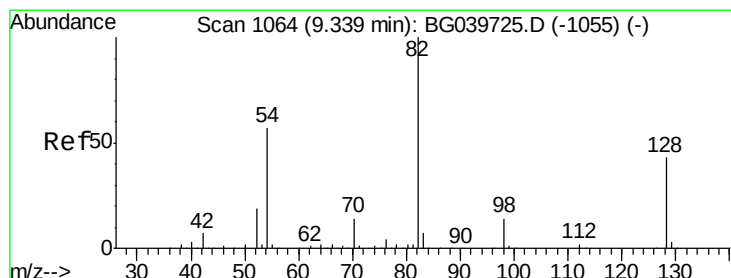
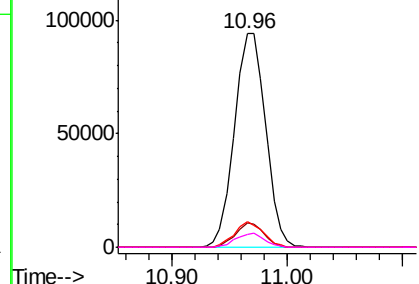
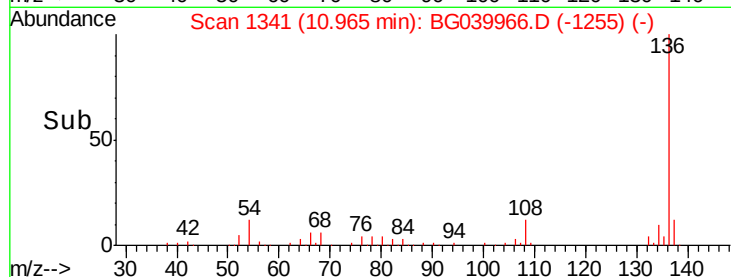
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BG039966.D
Acq: 16 Mar 2019 7:50

Instrument :
BNA_G
ClientSampled :
TP-1

Tot Ion:	136	Resp:	176068
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	12.0	9.4	14.2
68	6.3	4.2	6.4

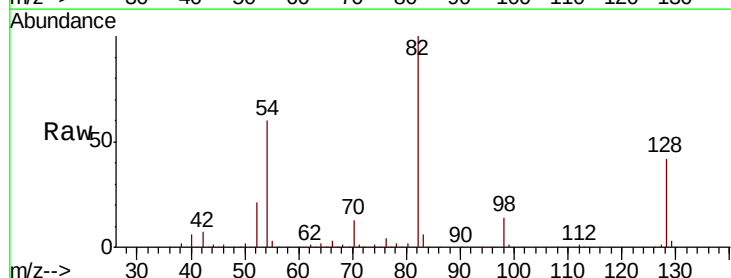


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

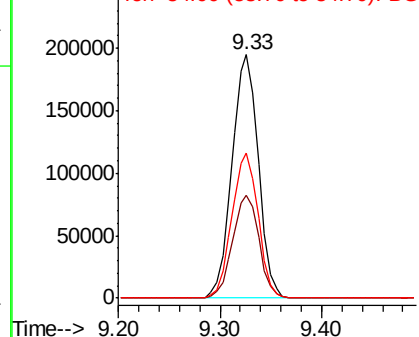
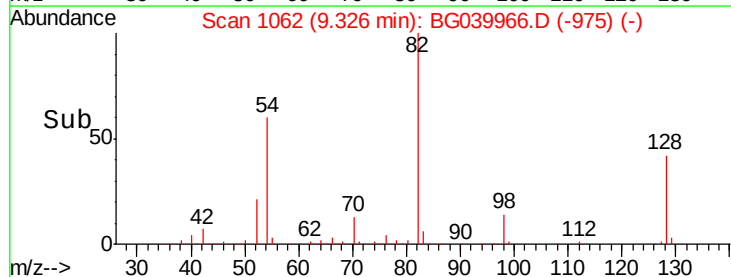


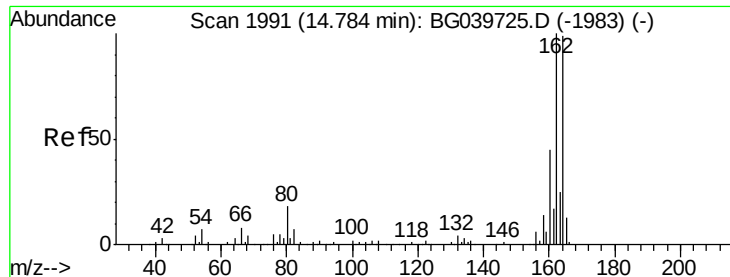
#23
Nitrobenzene-d5
Concen: 107.157 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039966.D
Acq: 16 Mar 2019 7:50

Tgt Ion:	82	Resp:	348843
Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.3	46.9
54	59.8	50.9	76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039966.D

Acq: 16 Mar 2019 7:50

Instrument :

BNA_G

ClientSampled :

TP-1

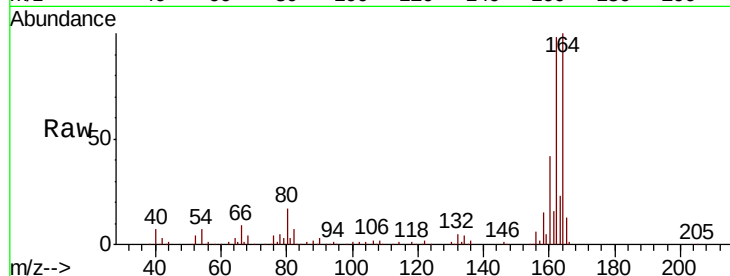
Tot Ion:164 Resp: 123644

Ion Ratio Lower Upper

164 100

162 97.6 81.6 122.4

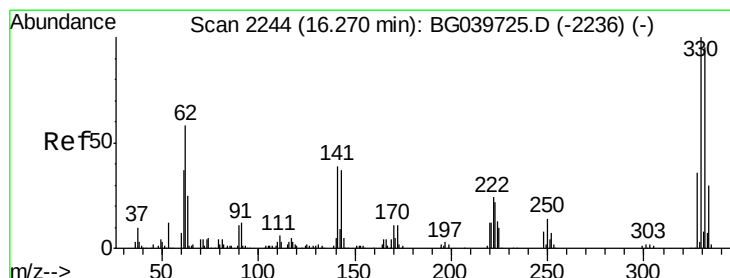
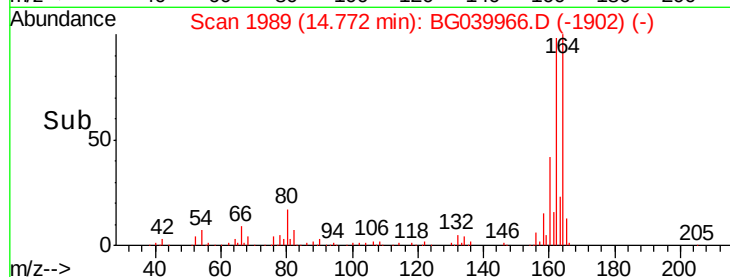
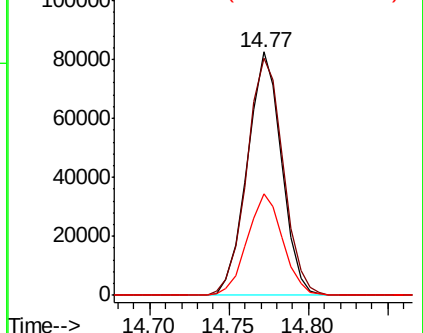
160 41.9 34.2 51.2



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: 156.518 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039966.D

Acq: 16 Mar 2019 7:50

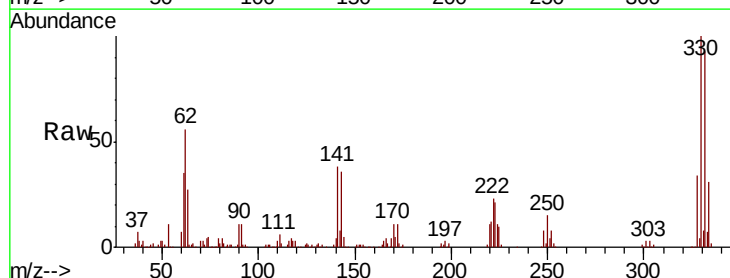
Tgt Ion:330 Resp: 225568

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

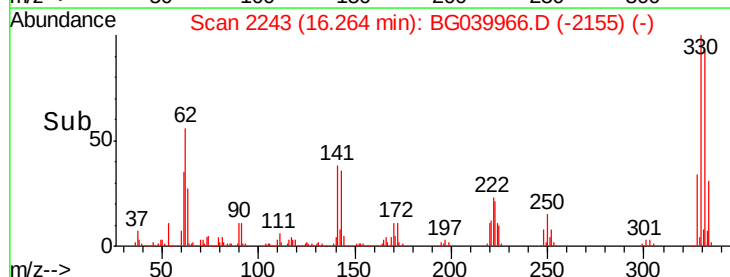
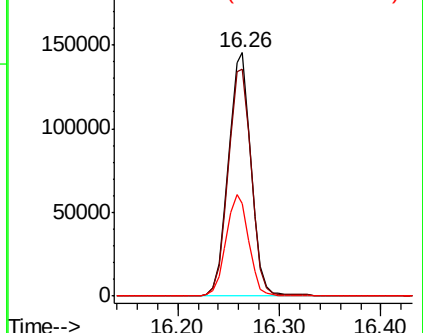
141 41.6 35.6 53.4

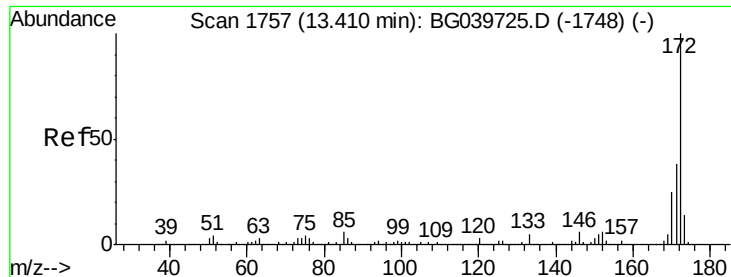


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

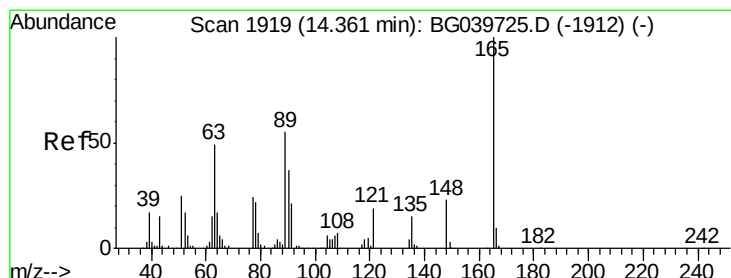
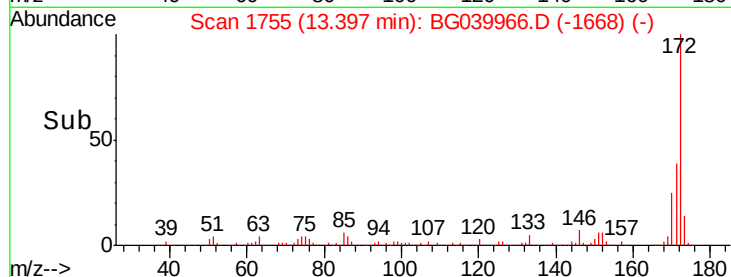
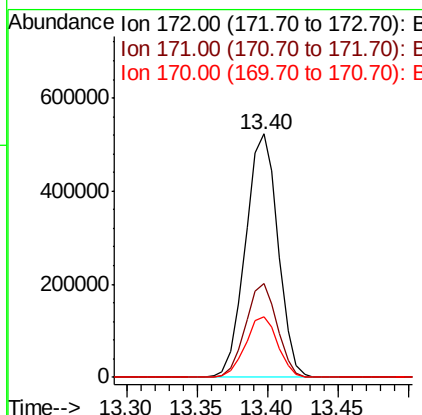
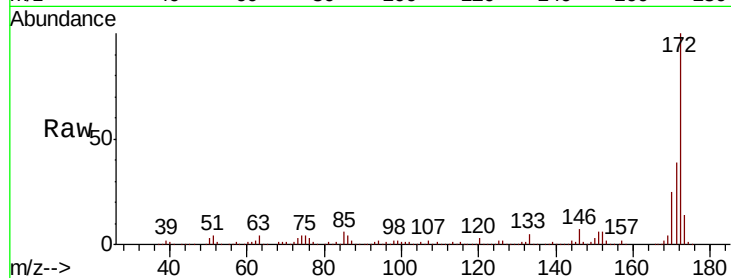




#45
 2-Fluorobiphenyl
 Concen: 97.075 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039966.D
 Acq: 16 Mar 2019 7:50

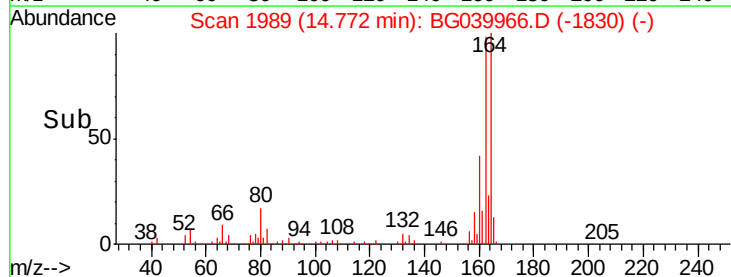
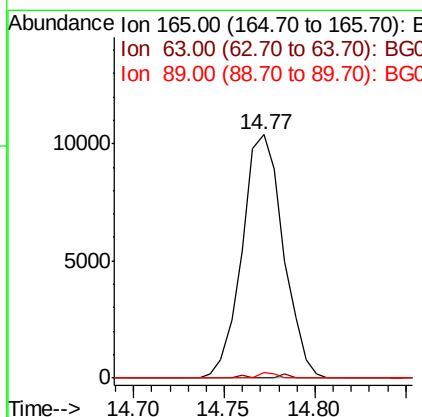
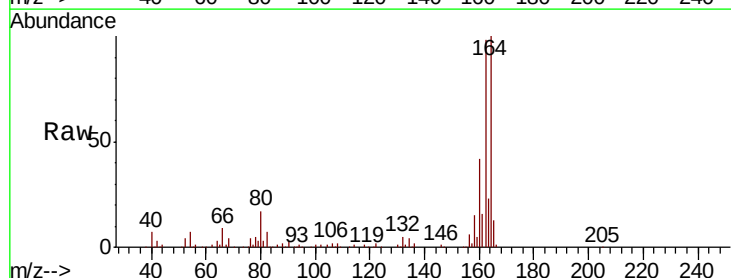
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

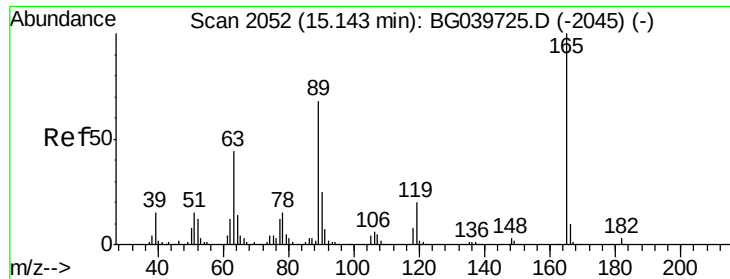
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.8	46.2
170	25.1	20.2	30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.472 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039966.D
 Acq: 16 Mar 2019 7:50

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

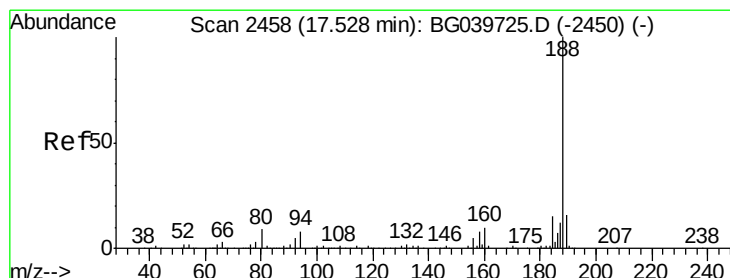
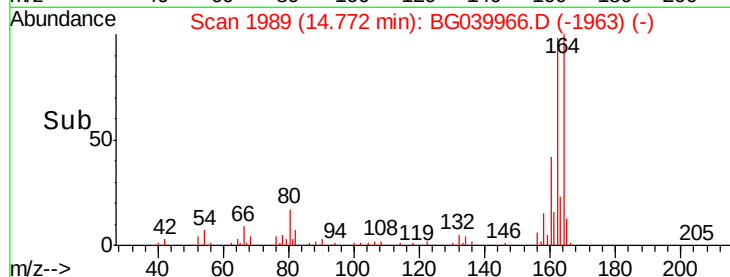
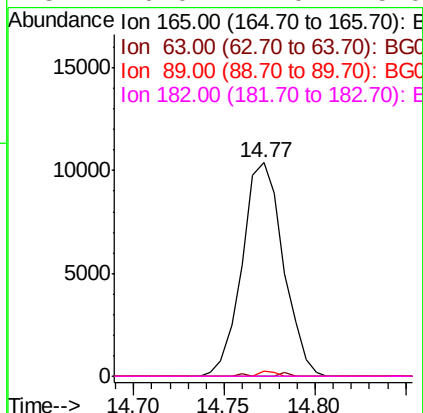
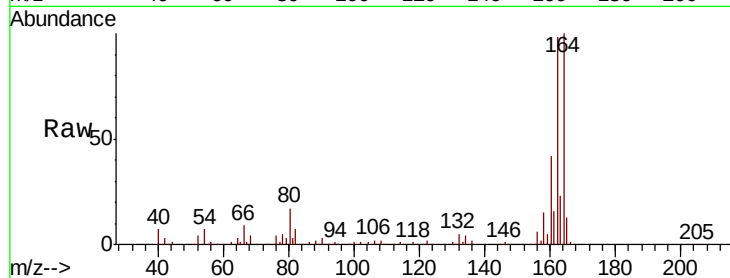




#57
 2,4-Dinitrotoluene
 Concen: 5.318 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039966.D
 Acq: 16 Mar 2019 7:50

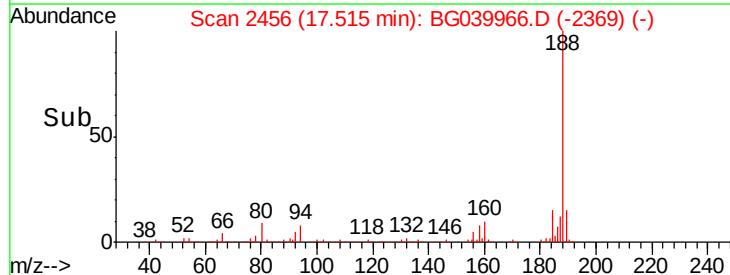
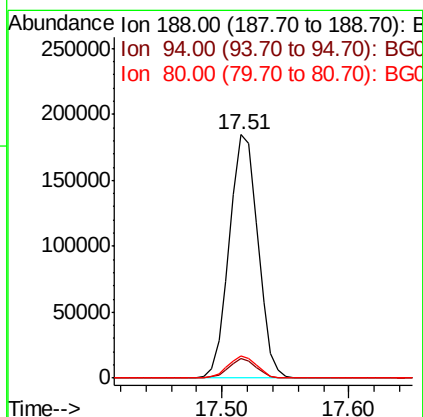
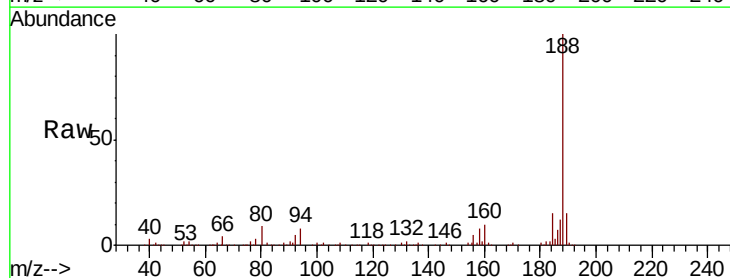
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

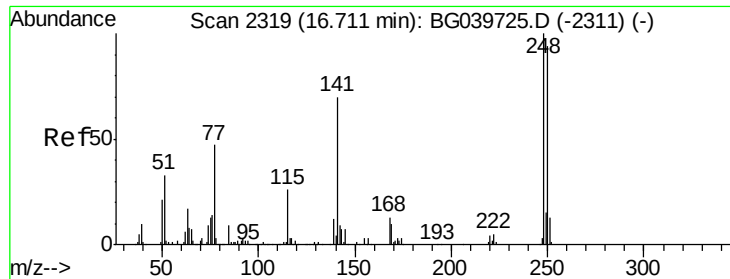
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.4	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039966.D
 Acq: 16 Mar 2019 7:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	9.2	8.1	12.1

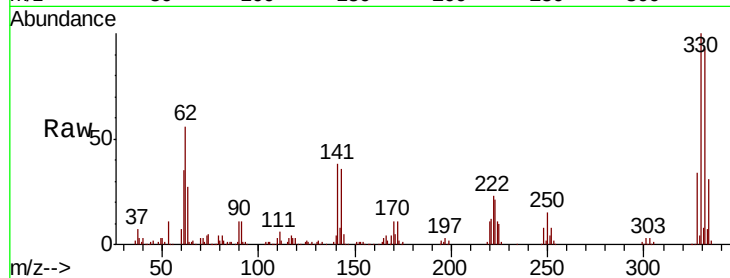




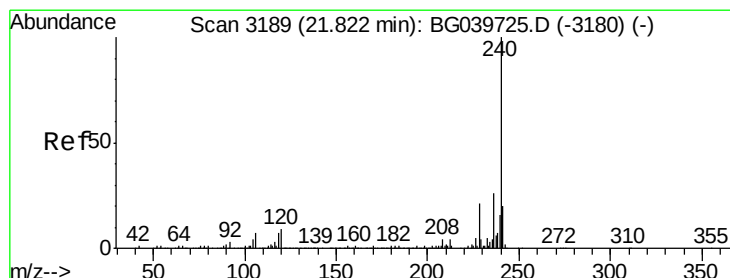
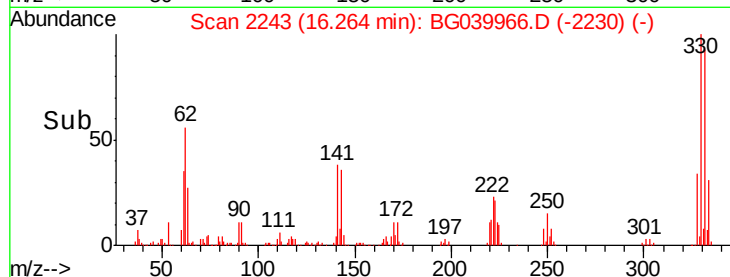
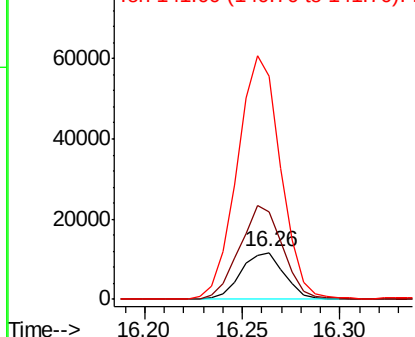
#67
4-Bromophenyl-phenylether
Concen: 5.619 ng
RT: 16.26 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG039966.D
Acq: 16 Mar 2019 7:50

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion:248 Resp: 18069
Ion Ratio Lower Upper
248 100
250 187.1 77.6 116.4#
141 476.7 63.9 95.9#

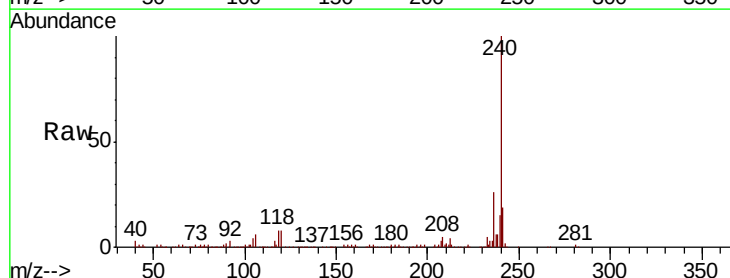


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

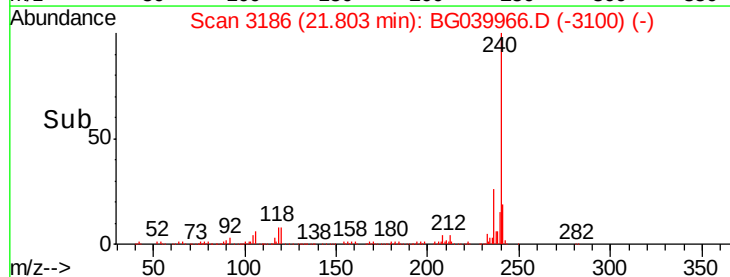
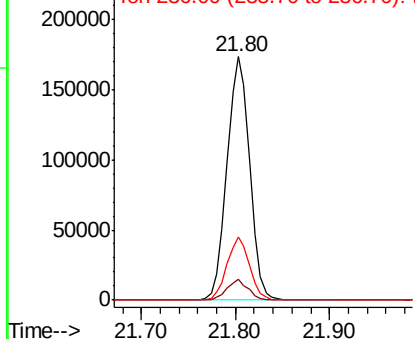


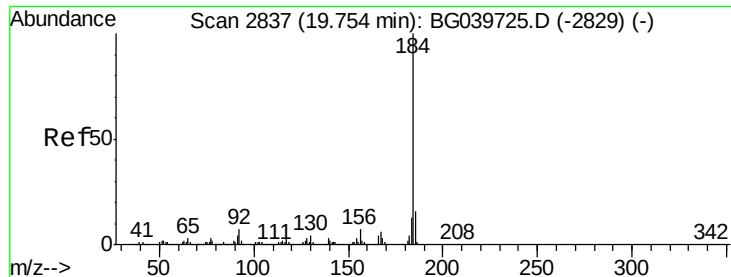
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG039966.D
Acq: 16 Mar 2019 7:50

Tgt Ion:240 Resp: 289671
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.7 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: 2.604 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039966.D

Acq: 16 Mar 2019 7:50

Instrument :

BNA_G

ClientSampled :

TP-1

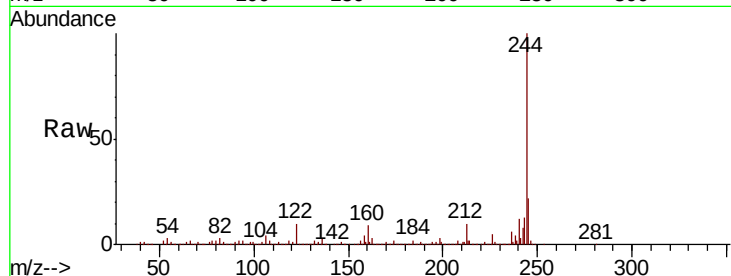
Tot Ion:184 Resp: 23932

Ion Ratio Lower Upper

184 100

185 15.5 12.2 18.2

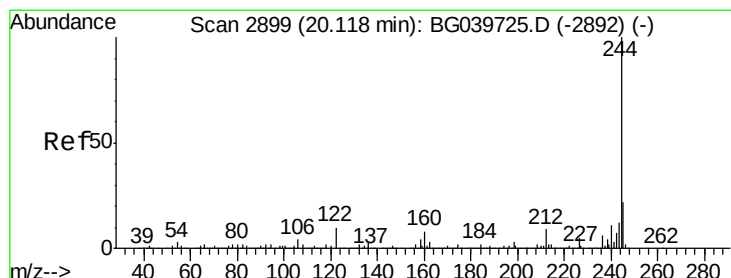
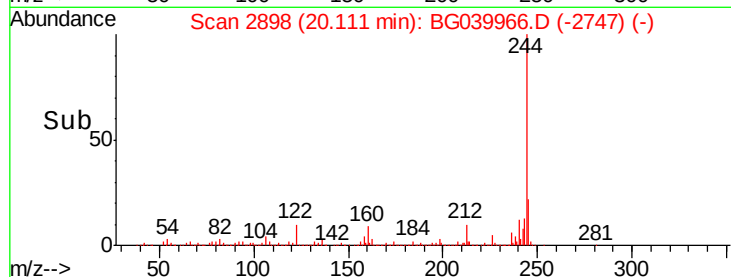
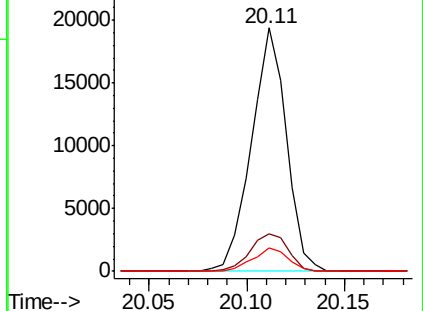
183 9.5 10.6 15.8#



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: 97.300 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039966.D

Acq: 16 Mar 2019 7:50

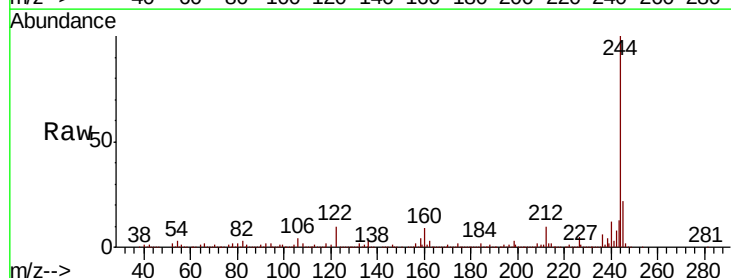
Tgt Ion:244 Resp: 1280089

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

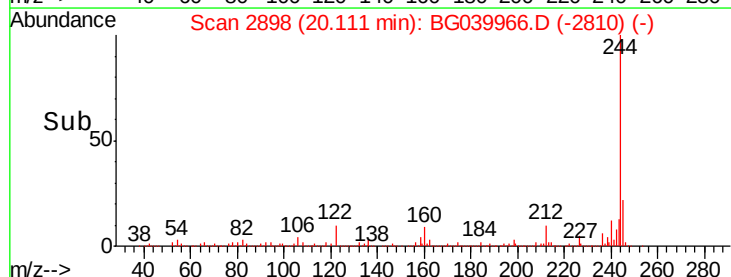
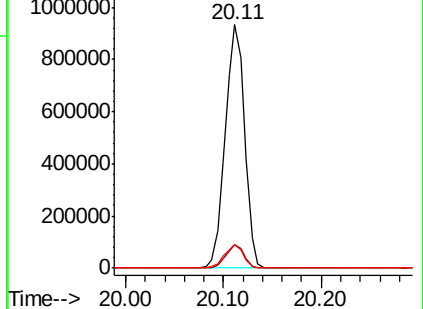
122 9.6 8.4 12.6

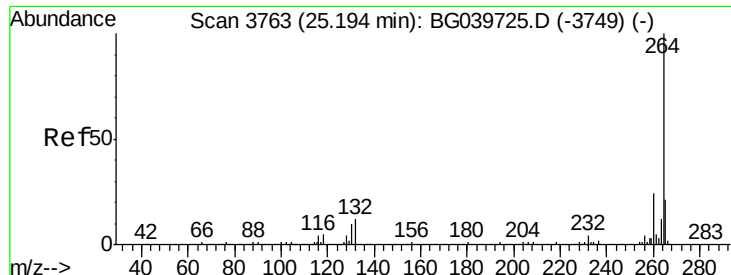


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

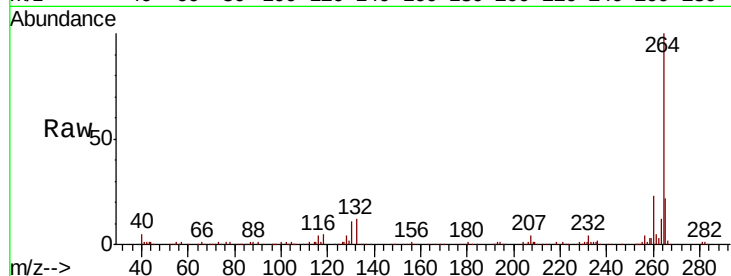




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.17 min Scan# 3759
 Delta R.T. -0.03 min
 Lab File: BG039966.D
 Acq: 16 Mar 2019 7:50

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tot Ion:	264	Resp:	288093
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	22.0	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

