

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031519\
 Data File : BG039958.D
 Acq On : 16 Mar 2019 2:34
 Operator : JU/SJ
 Sample : PB117975BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117975BL

Quant Time: Mar 16 04:13:09 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

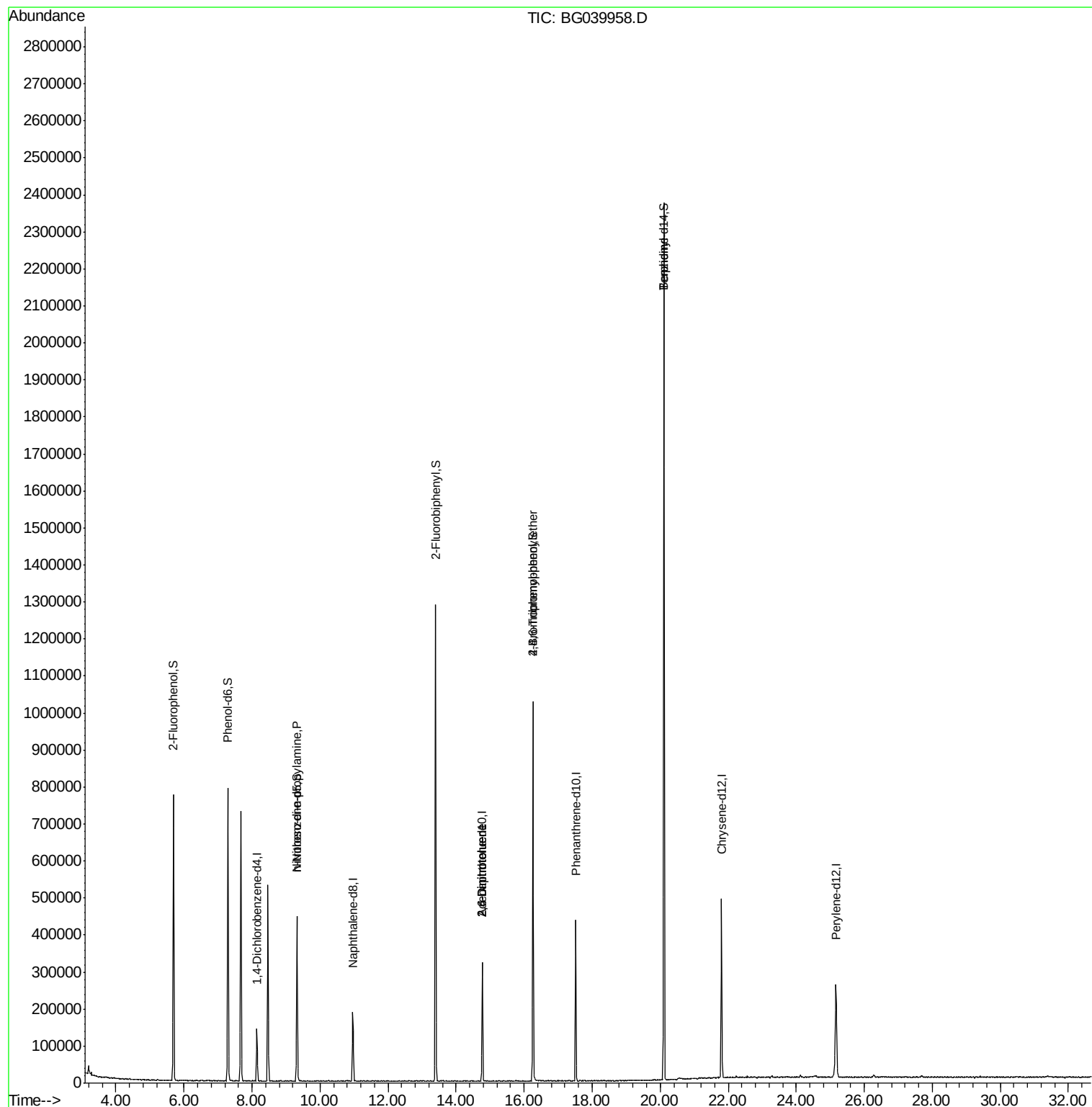
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	38530	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	162667	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	110864	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	277084	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	293227	20.00	ng	-0.02
87) Perylene-d12	25.17	264	286467	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	310688	137.56	ng	-0.02
7) Phenol-d6	7.29	99	449462	133.47	ng	-0.02
23) Nitrobenzene-d5	9.32	82	266337	88.55	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	174536	135.07	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	676127	86.84	ng	-0.02
79) Terphenyl-d14	20.11	244	1109510	83.31	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	35123	14.490	ng	# 67
51) 2,6-Dinitrotoluene	14.77	165	14305	7.279	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	14305	5.180	ng	# 18
67) 4-Bromophenyl-phenylether	16.26	248	13611	4.389	ng	# 1
77) Benzidine	20.11	184	19707	2.118	ng	# 95

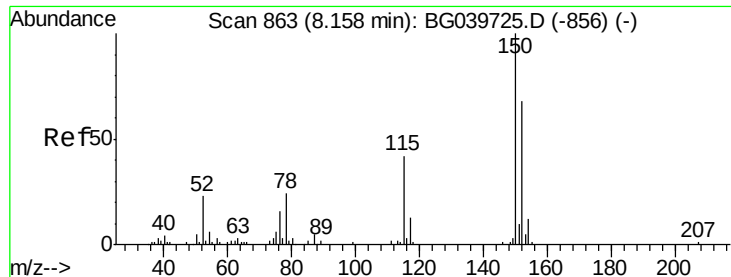
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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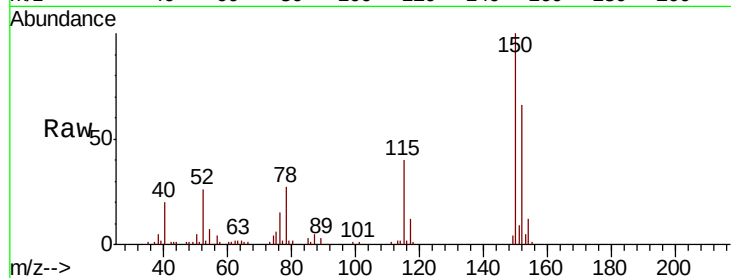


#1

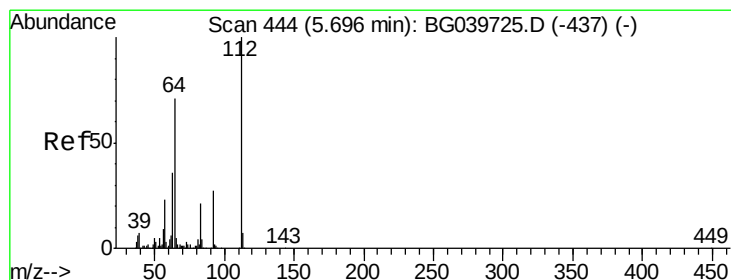
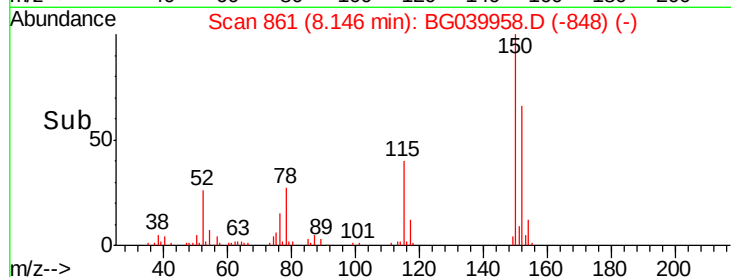
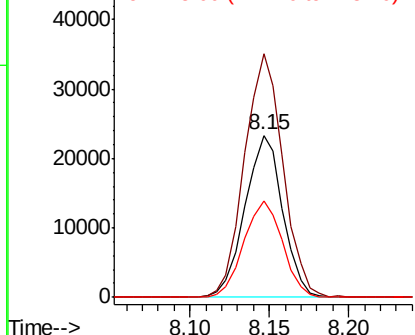
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039958.D
Acq: 16 Mar 2019 2:34

Instrument :
BNA_G
ClientSampleId :
PB117975BL

Tgt Ion:152 Resp: 38530
Ion Ratio Lower Upper
152 100
150 150.6 123.7 185.5
115 59.8 45.9 68.9



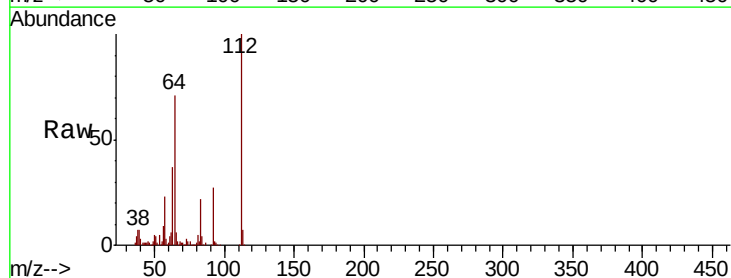
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



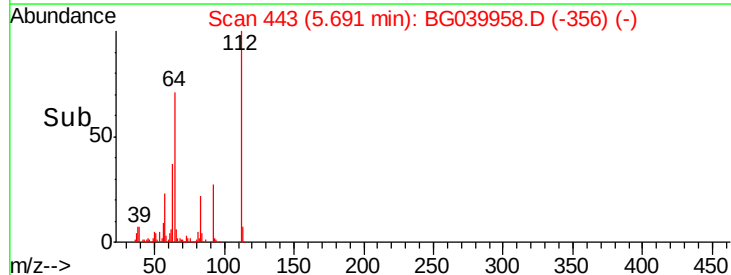
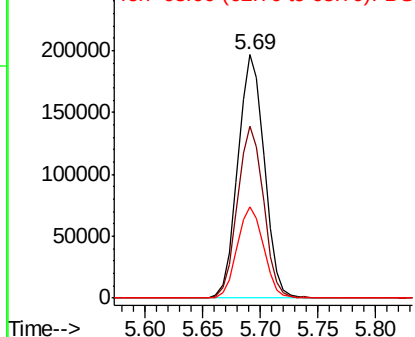
#5

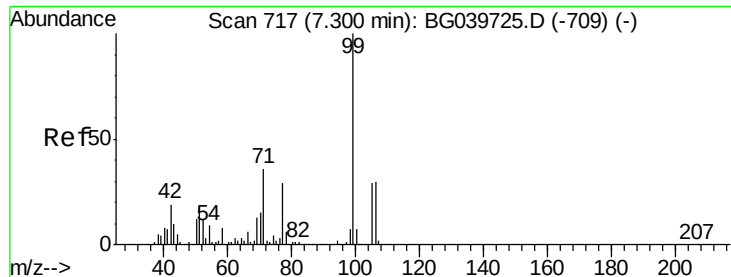
2-Fluorophenol
Concen: 137.565 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039958.D
Acq: 16 Mar 2019 2:34

Tgt Ion:112 Resp: 310688
Ion Ratio Lower Upper
112 100
64 70.7 57.8 86.8
63 37.4 29.8 44.6



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: 133.469 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039958.D

Acq: 16 Mar 2019 2:34

Instrument :

BNA_G

ClientSampleId :

PB117975BL

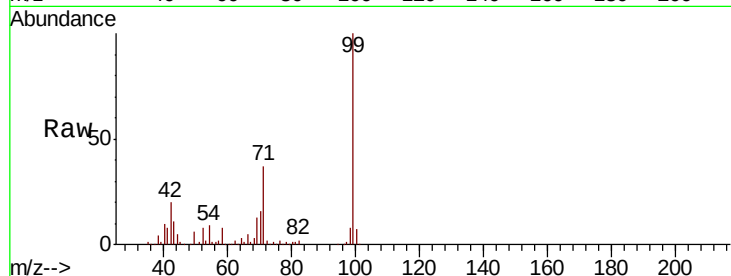
Tgt Ion: 99 Resp: 449462

Ion Ratio Lower Upper

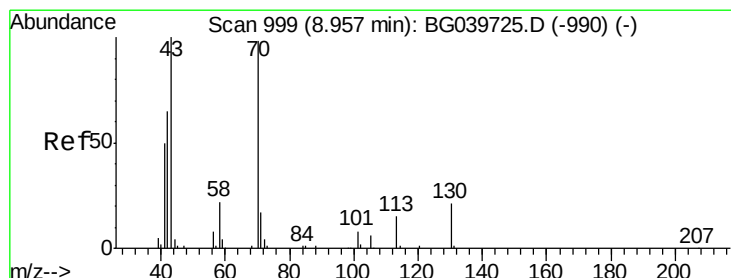
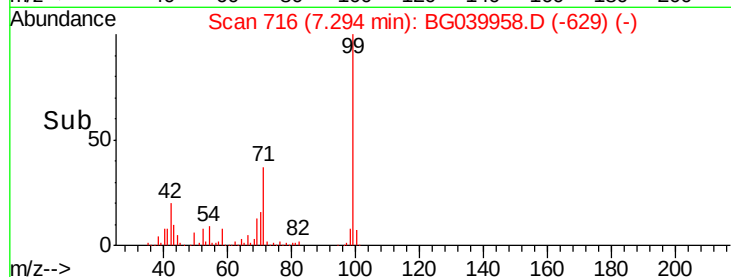
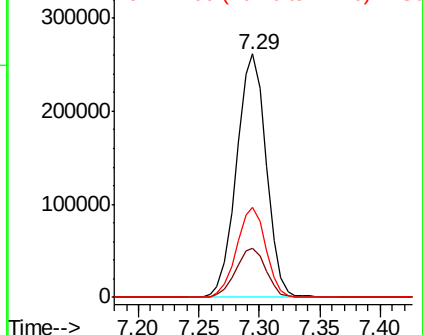
99 100

42 20.3 18.2 27.2

71 36.7 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: 14.490 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039958.D

Acq: 16 Mar 2019 2:34

Tgt Ion: 70 Resp: 35123

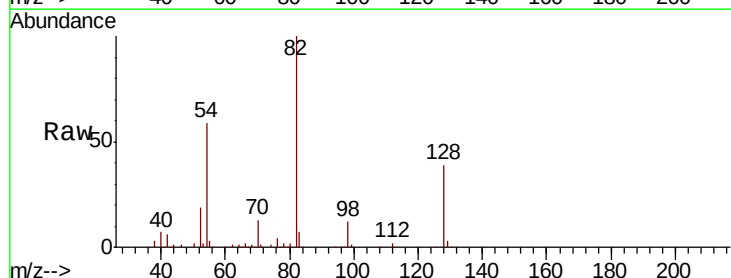
Ion Ratio Lower Upper

70 100

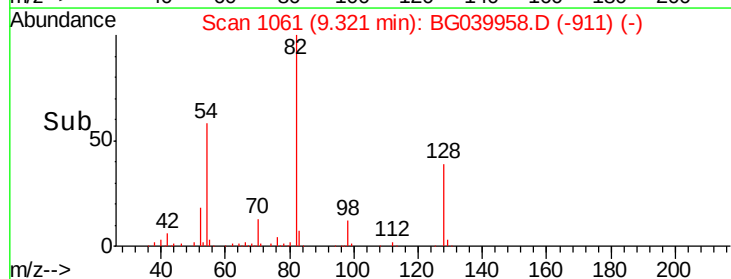
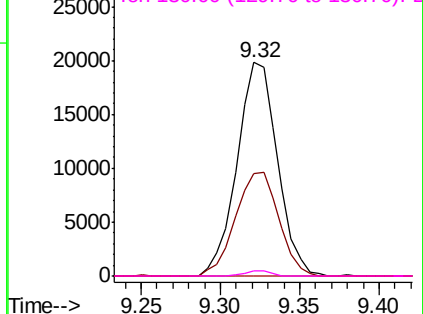
42 48.0 60.4 90.6#

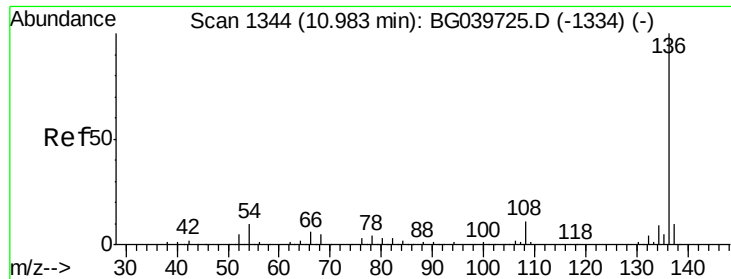
101 0.0 7.5 11.3#

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

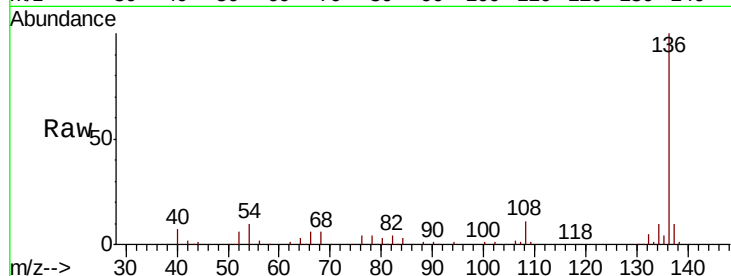




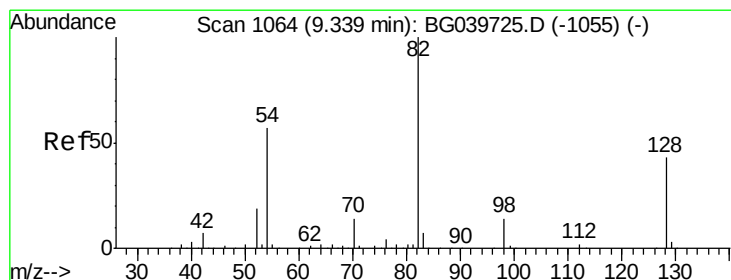
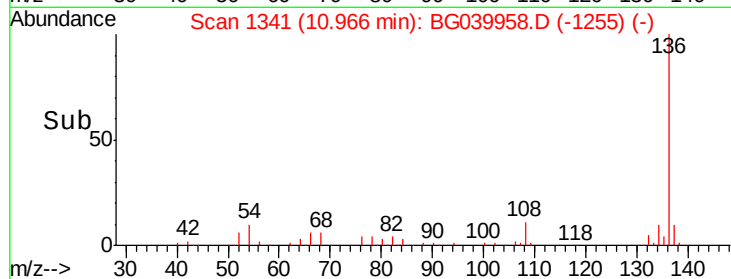
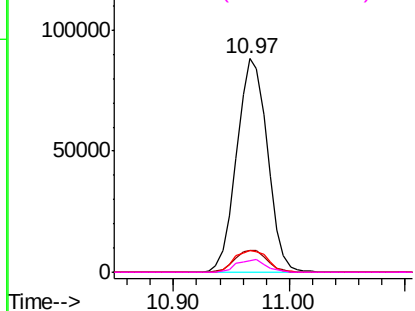
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039958.D
Acq: 16 Mar 2019 2:34

Instrument :
BNA_G
ClientSampleId :
PB117975BL

Tgt Ion:	136	Resp:	162667
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	10.0	9.4	14.2
68	5.5	4.2	6.4

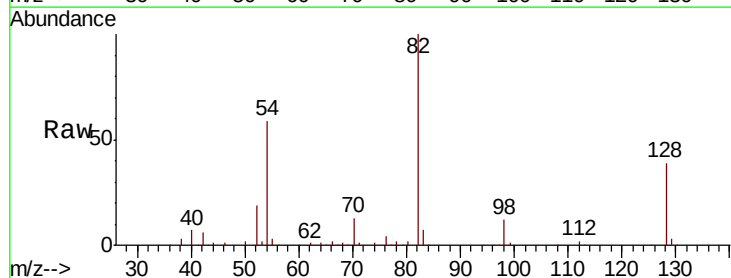


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

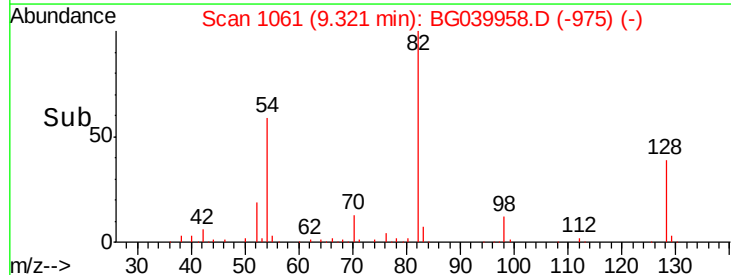
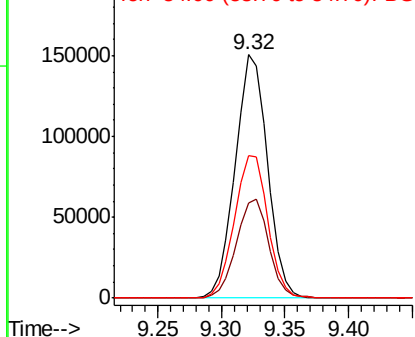


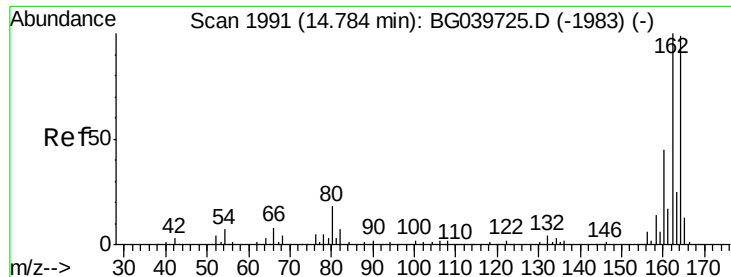
#23
Nitrobenzene-d5
Concen: 88.553 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039958.D
Acq: 16 Mar 2019 2:34

Tgt Ion:	82	Resp:	266337
Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.3	46.9
54	58.6	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: BG039958.D

Acq: 16 Mar 2019 2:34

Instrument :

BNA_G

ClientSampleId :

PB117975BL

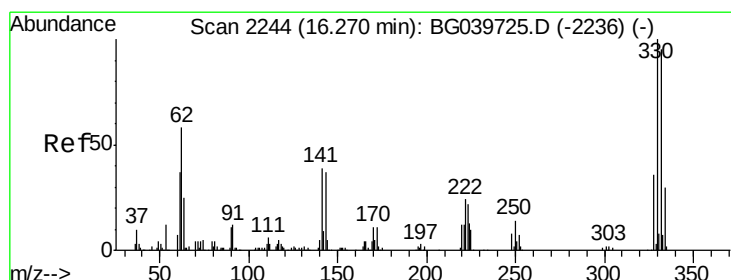
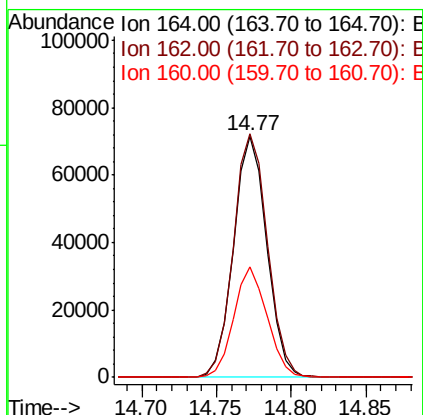
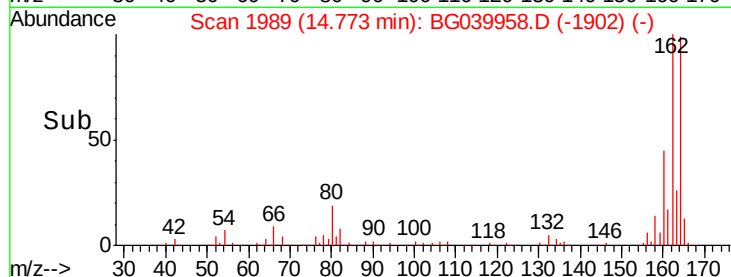
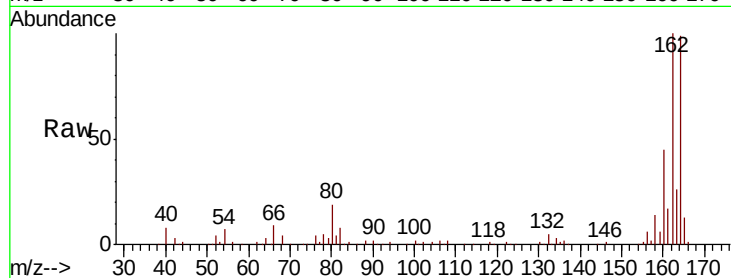
Tgt Ion:164 Resp: 110864

Ion Ratio Lower Upper

164 100

162 100.8 81.6 122.4

160 45.6 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 135.069 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039958.D

Acq: 16 Mar 2019 2:34

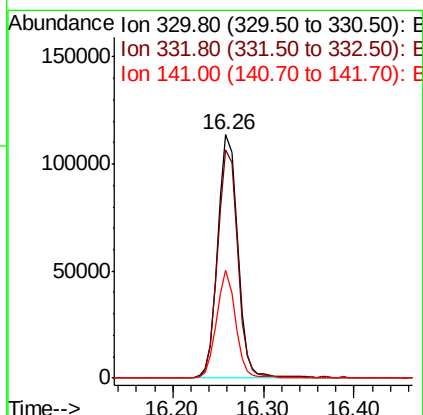
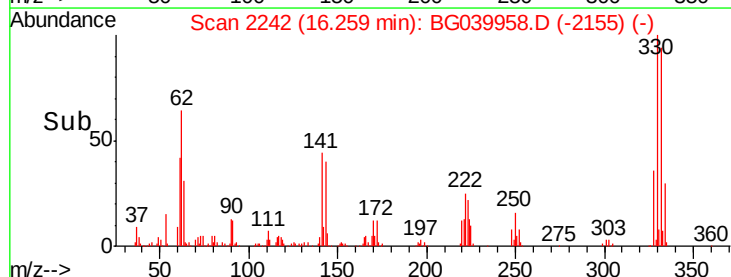
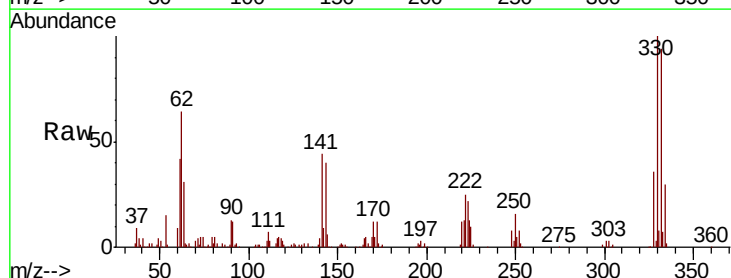
Tgt Ion:330 Resp: 174536

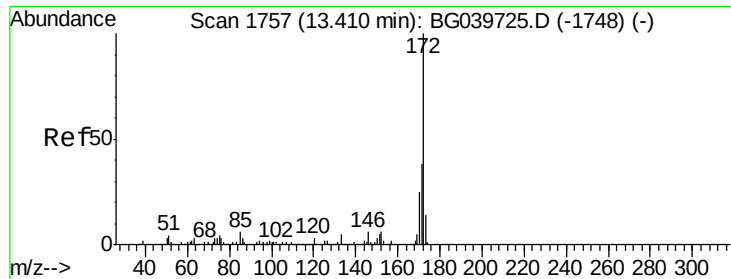
Ion Ratio Lower Upper

330 100

332 93.7 75.7 113.5

141 41.7 35.6 53.4

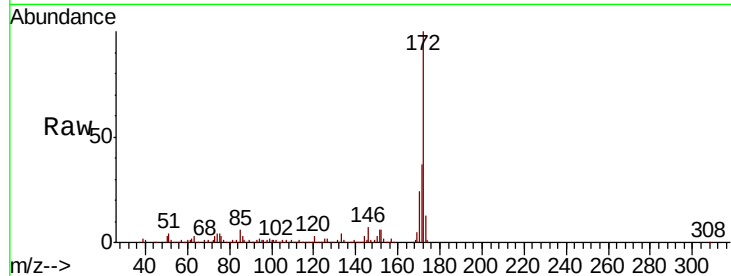




#45
 2-Fluorobiphenyl
 Concen: 86.835 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039958.D
 Acq: 16 Mar 2019 2:34

Instrument :
 BNA_G
 ClientSampleId :
 PB117975BL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.8	46.2
170	24.1	20.2	30.4

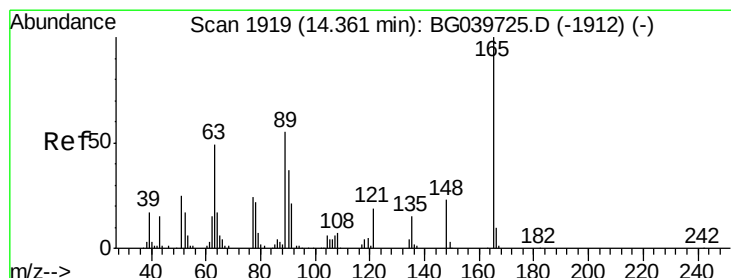
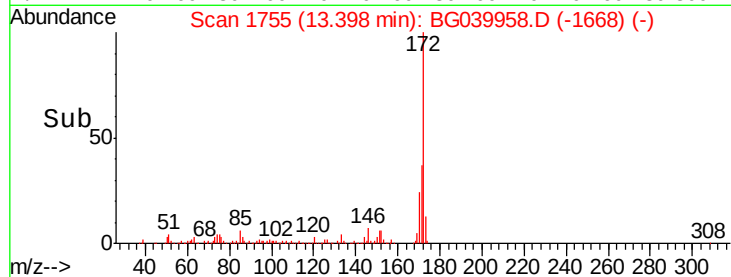
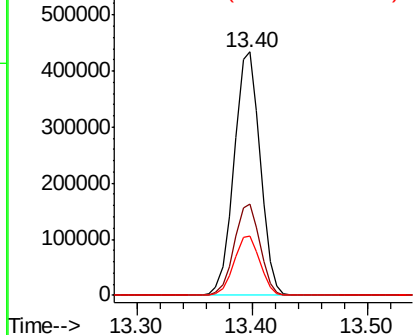


Abundance

Ion 172.00 (171.70 to 172.70): E

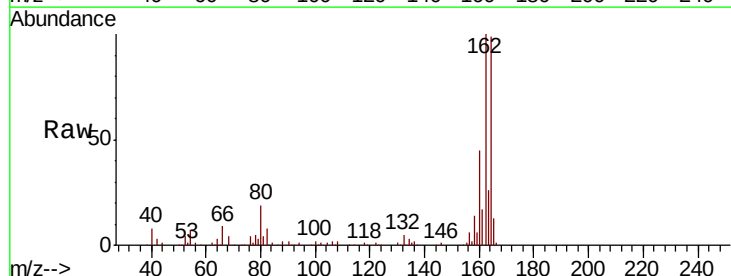
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 7.279 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039958.D
 Acq: 16 Mar 2019 2:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	47.0	70.6#
89	0.0	45.8	68.8#

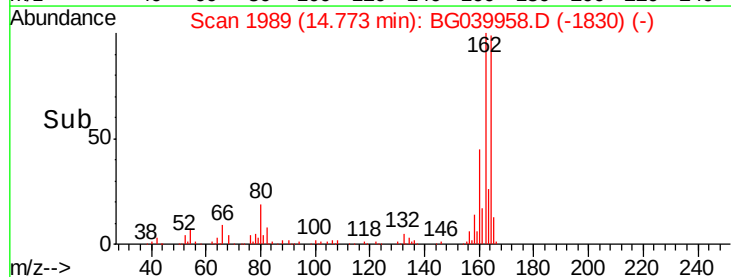
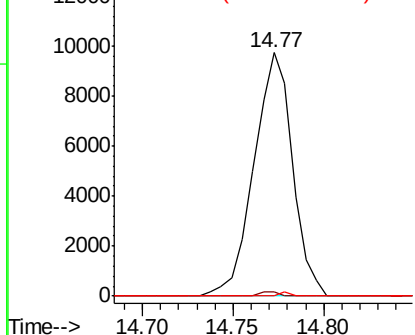


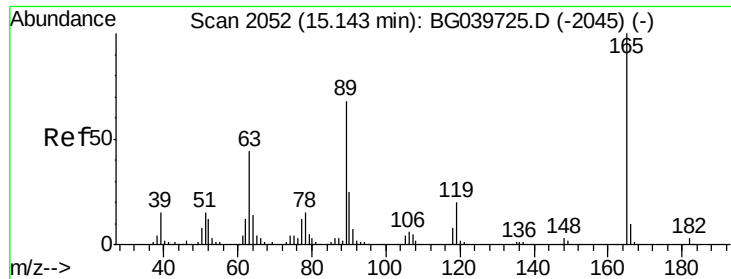
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

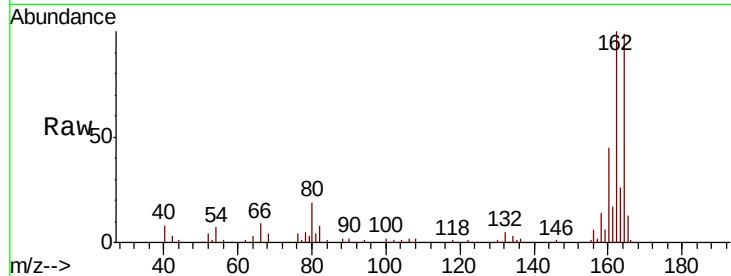




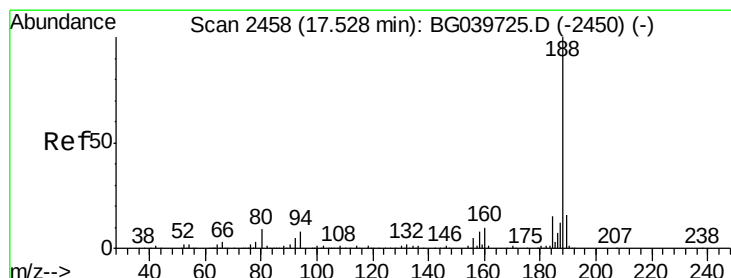
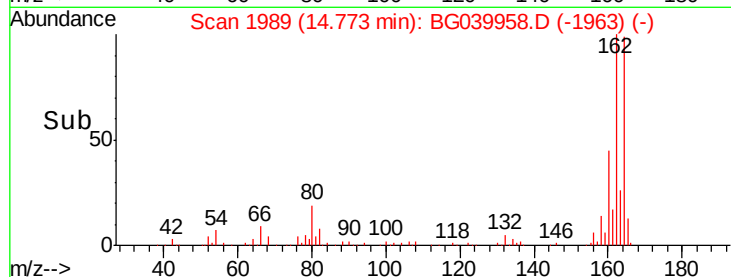
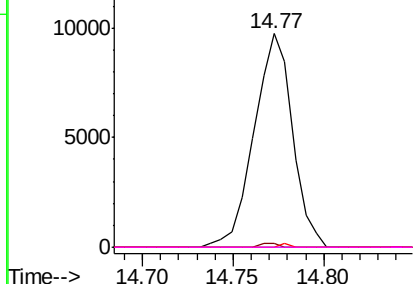
#57
 2,4-Dinitrotoluene
 Concen: 5.180 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039958.D
 Acq: 16 Mar 2019 2:34

Instrument :
 BNA_G
 ClientSampleId :
 PB117975BL

Tgt Ion:	165	Resp:	14305
Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

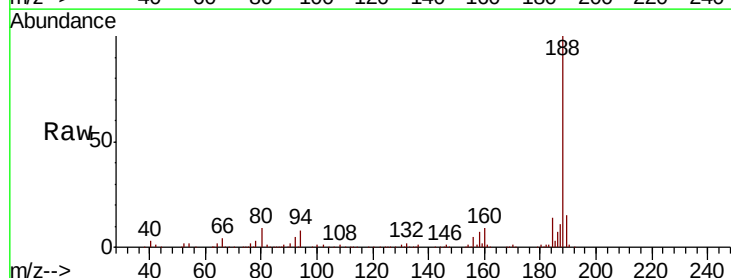


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

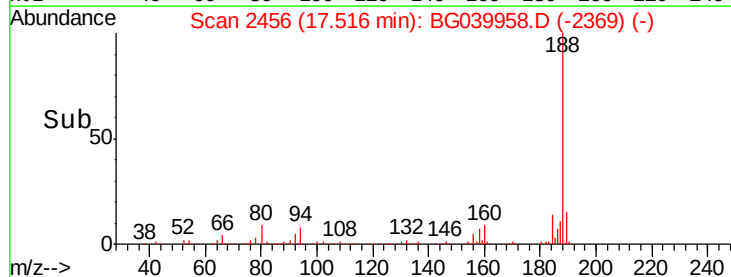
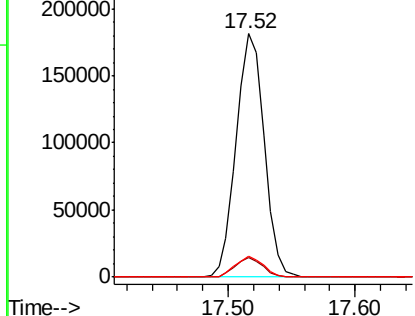


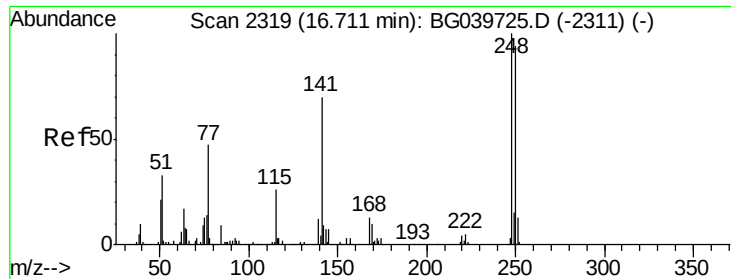
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039958.D
 Acq: 16 Mar 2019 2:34

Tgt Ion:	188	Resp:	277084
Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	8.6	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

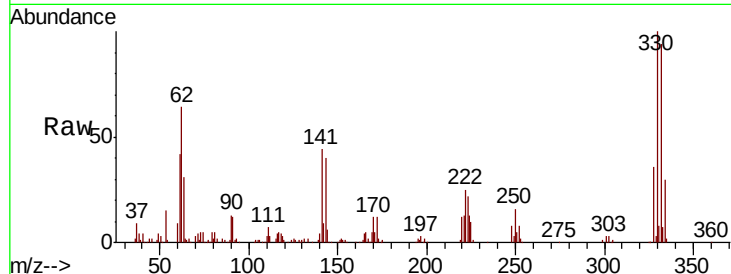




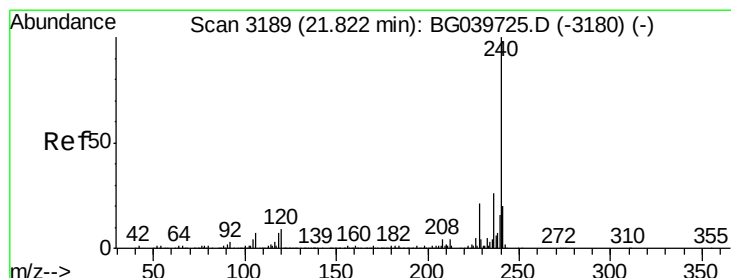
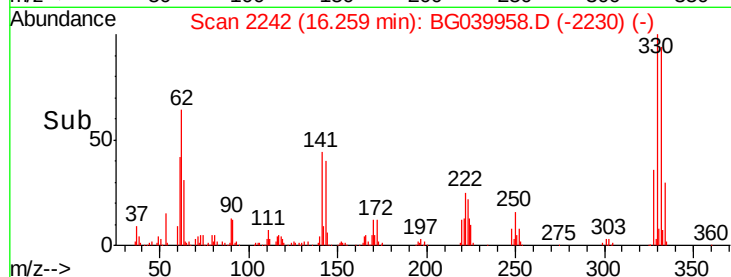
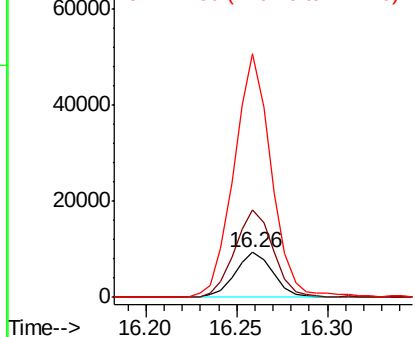
#67
4-Bromophenyl-phenylether
Concen: 4.389 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG039958.D
Acq: 16 Mar 2019 2:34

Instrument :
BNA_G
ClientSampleId :
PB117975BL

Tgt Ion:248 Resp: 13611
Ion Ratio Lower Upper
248 100
250 196.0 77.6 116.4#
141 543.9 63.9 95.9#

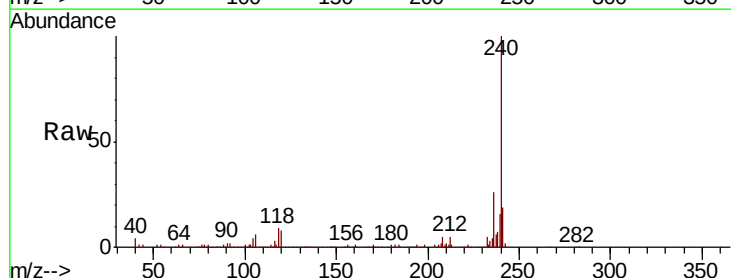


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

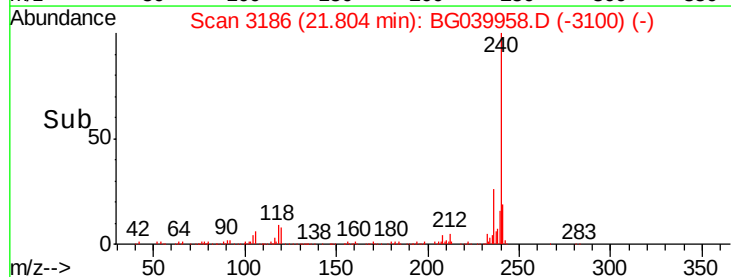
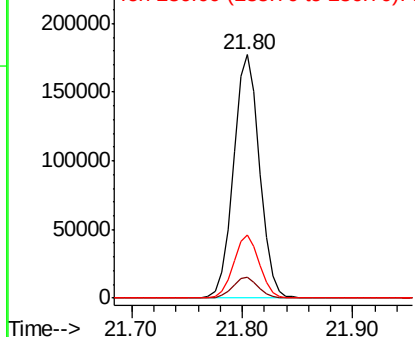


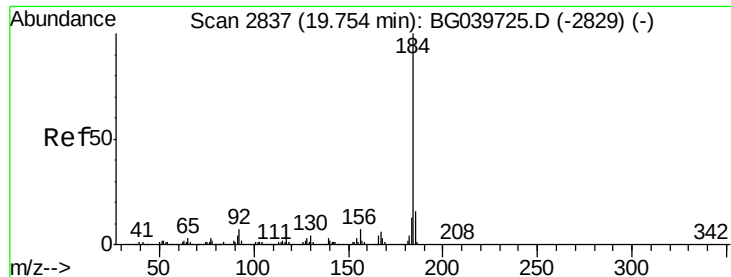
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG039958.D
Acq: 16 Mar 2019 2:34

Tgt Ion:240 Resp: 293227
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 26.0 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: 2.118 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039958.D

Acq: 16 Mar 2019 2:34

Instrument :

BNA_G

ClientSampleId :

PB117975BL

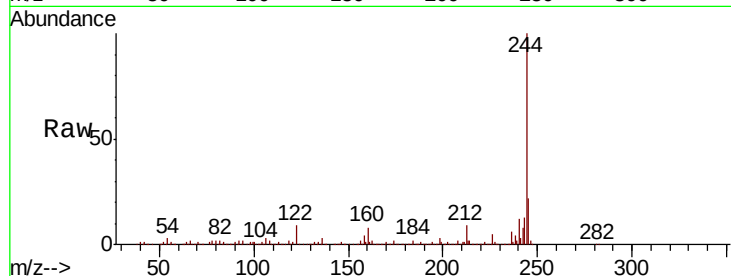
Tgt Ion:184 Resp: 19707

Ion Ratio Lower Upper

184 100

185 14.1 12.2 18.2

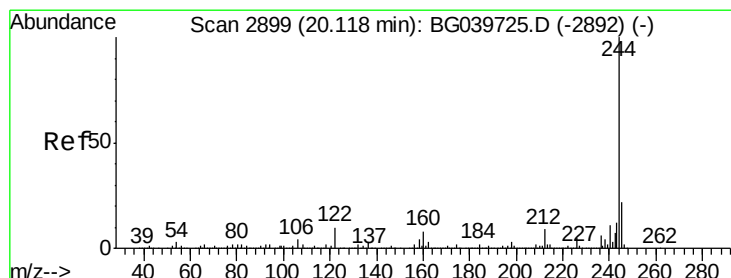
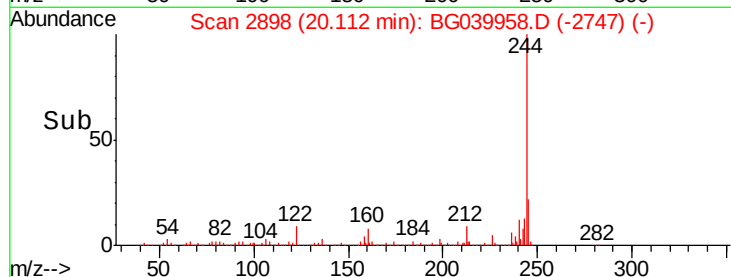
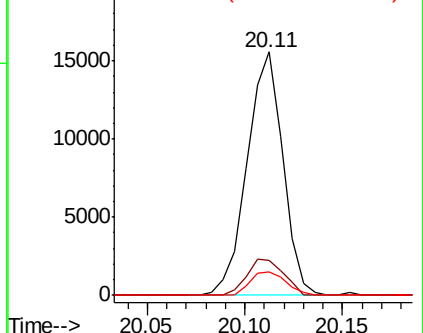
183 9.9 10.6 15.8#



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: 83.312 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039958.D

Acq: 16 Mar 2019 2:34

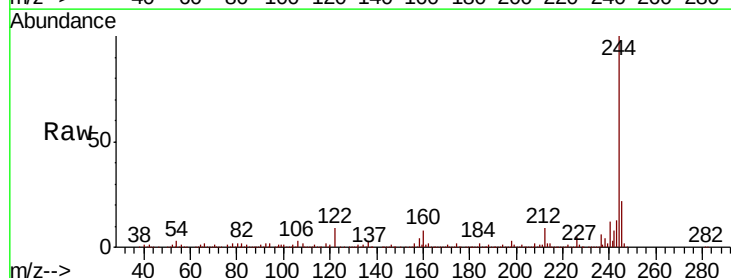
Tgt Ion:244 Resp: 1109510

Ion Ratio Lower Upper

244 100

212 8.6 7.3 10.9

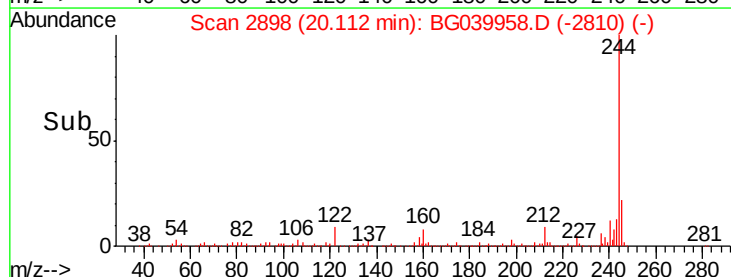
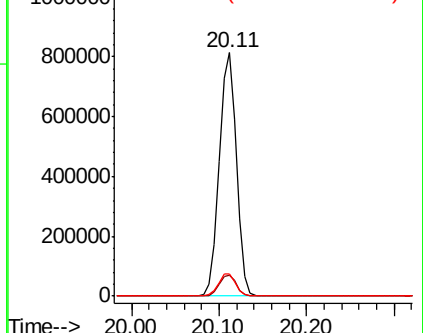
122 9.0 8.4 12.6

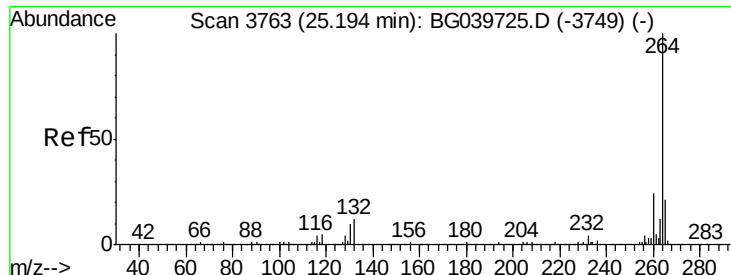


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.17 min Scan# 3759
Delta R.T. -0.03 min
Lab File: BG039958.D
Acq: 16 Mar 2019 2:34

Instrument :
BNA_G
ClientSampleId :
PB117975BL

Tgt Ion:	264	Resp:	286467
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	22.6	18.5	27.7

