

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039909.D
 Acq On : 13 Mar 2019 19:23
 Operator : JU/SJ
 Sample : K1693-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:19:13 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

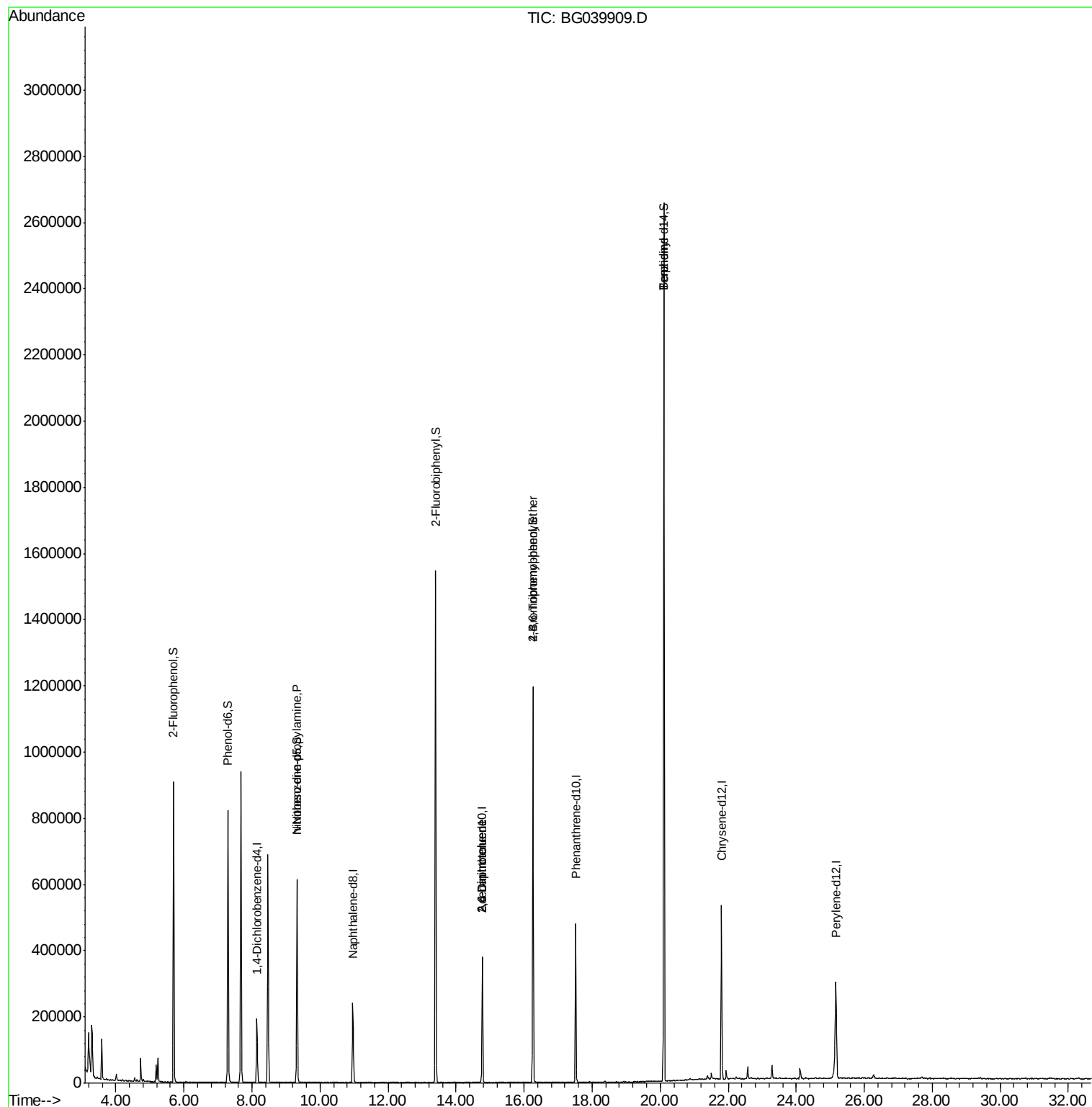
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	52145	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	204642	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	129353	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	300551	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	325443	20.00	ng	-0.02
87) Perylene-d12	25.16	264	323439	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	366909	120.04	ng	-0.01
7) Phenol-d6	7.29	99	468509	102.80	ng	-0.02
23) Nitrobenzene-d5	9.33	82	349668	92.41	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	206662	137.07	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	802736	88.36	ng	-0.02
79) Terphenyl-d14	20.11	244	1215610	82.24	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	45624	13.908	ng	# 70
51) 2,6-Dinitrotoluene	14.77	165	16575	7.228	ng	# 25
57) 2,4-Dinitrotoluene	14.77	165	16575	5.144	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	16374	4.867	ng	# 1
77) Benzidine	20.11	184	22829	2.211	ng	# 94

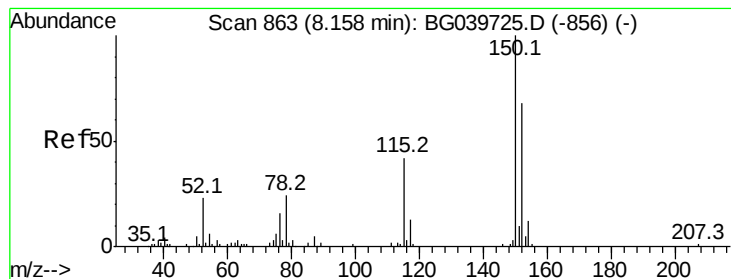
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
Data File : BG039909.D
Acq On : 13 Mar 2019 19:23
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Sample : K1693-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

Instrument :

BNA_G

ClientSampleId :

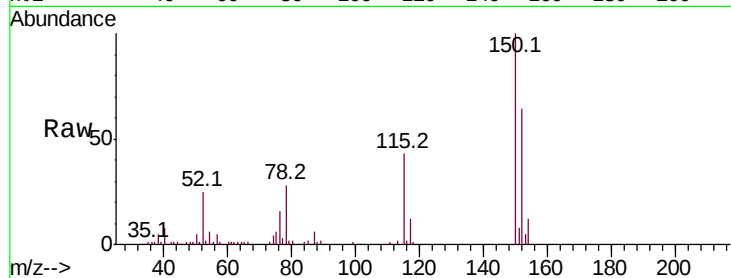
Tot Ion:152 Resp: 52145

Ion Ratio Lower Upper

152 100

150 156.8 123.7 185.5

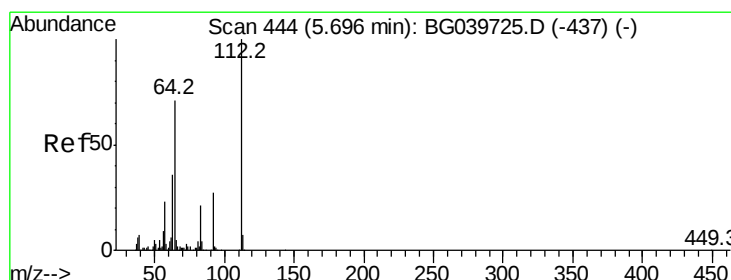
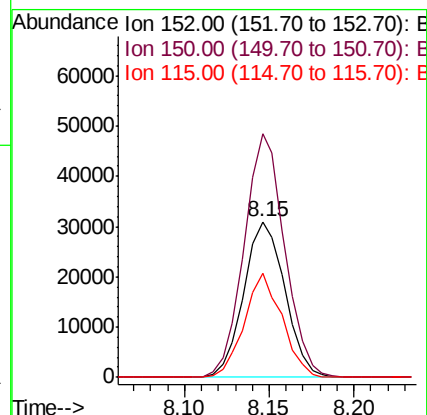
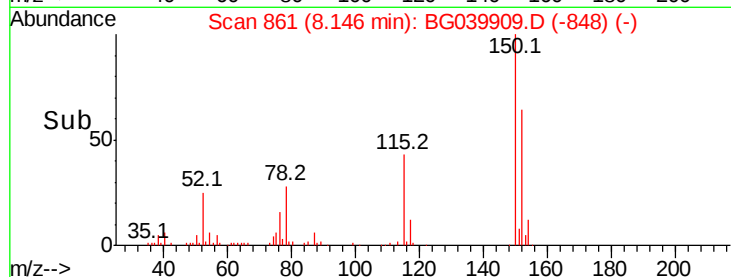
115 66.6 45.9 68.9



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: 120.040 ng

RT: 5.70 min Scan# 444

Delta R.T. -0.01 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

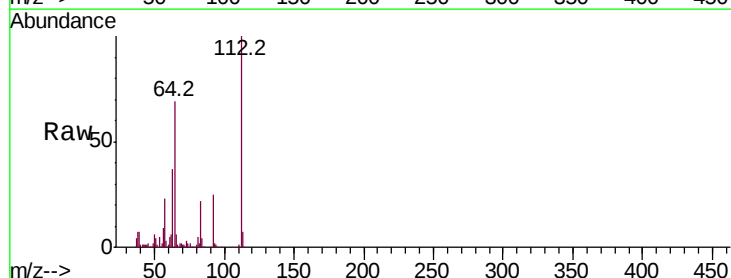
Tgt Ion:112 Resp: 366909

Ion Ratio Lower Upper

112 100

64 68.7 57.8 86.8

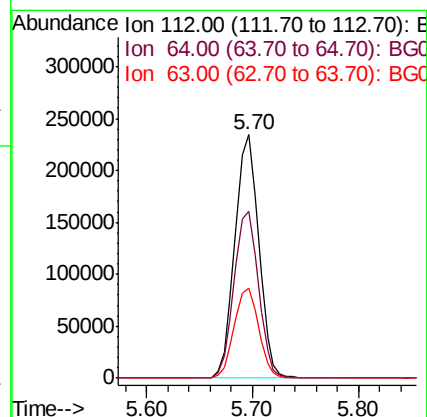
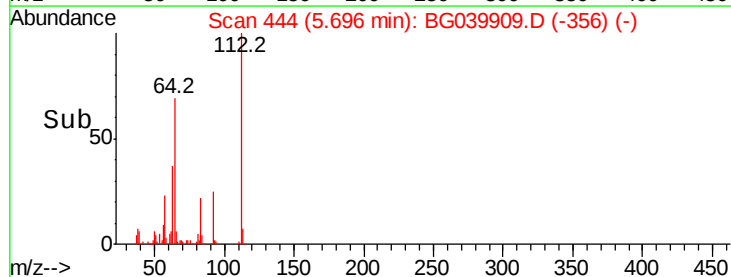
63 37.2 29.8 44.6

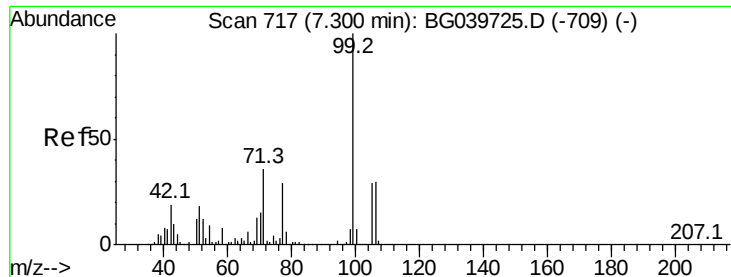


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 102.800 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

Instrument :

BNA_G

ClientSampleId :

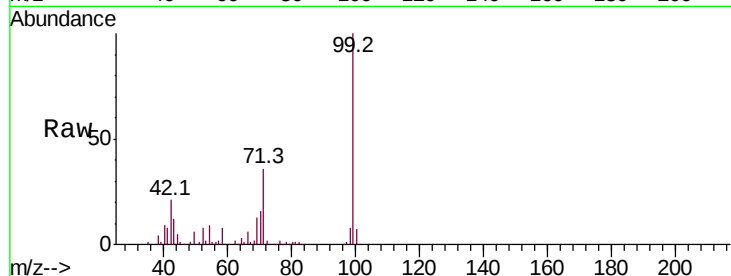
Tot Ion: 99 Resp: 468509

Ion Ratio Lower Upper

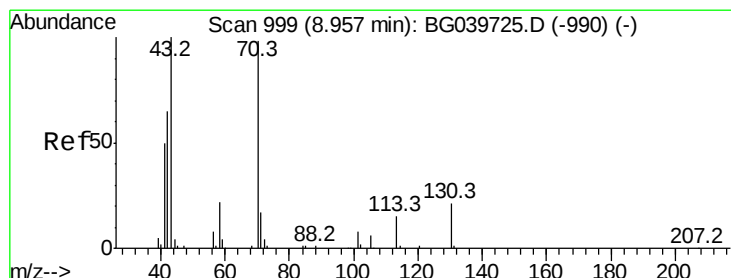
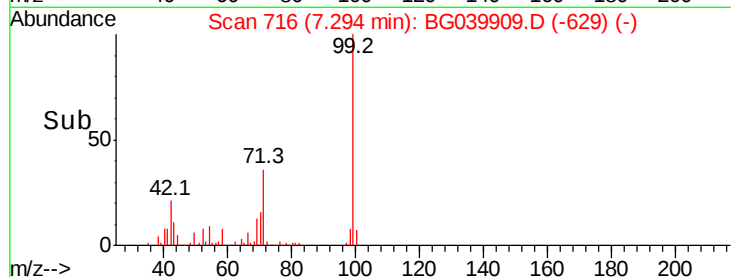
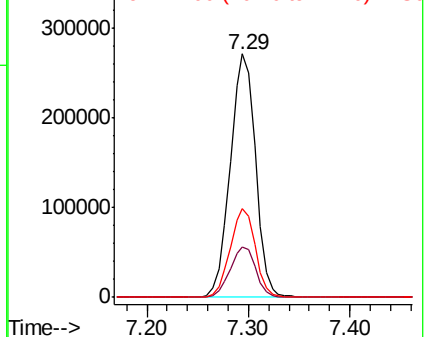
99 100

42 20.9 18.2 27.2

71 36.4 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: 13.908 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

Tgt Ion: 70 Resp: 45624

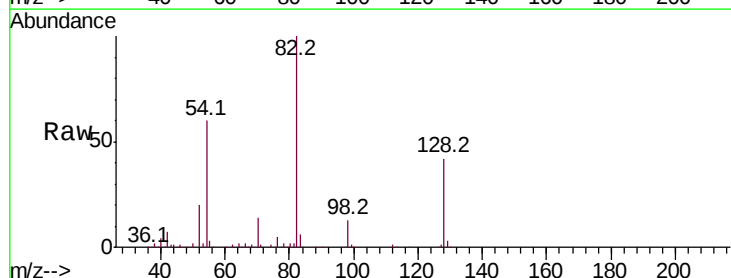
Ion Ratio Lower Upper

70 100

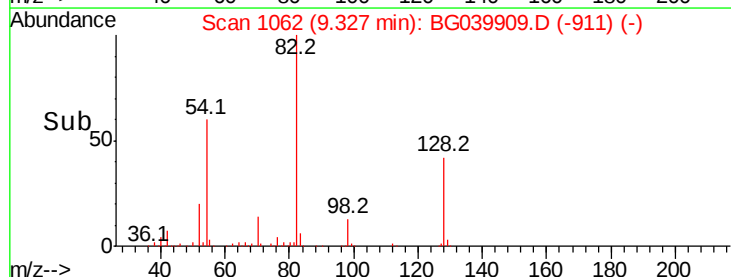
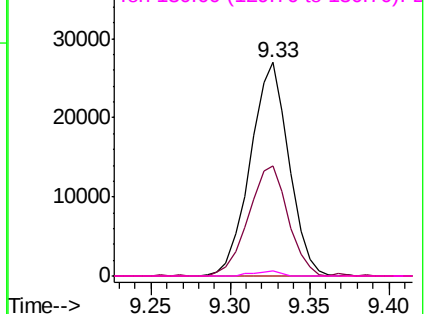
42 51.8 60.4 90.6#

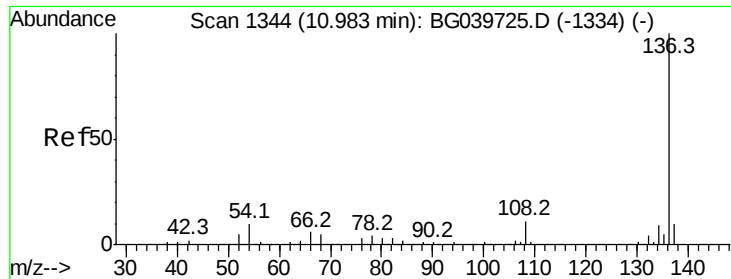
101 0.0 7.5 11.3#

130 2.1 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

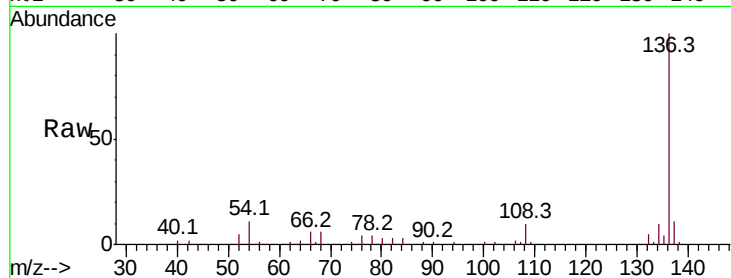




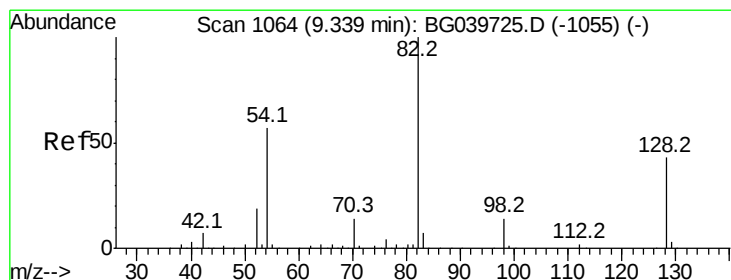
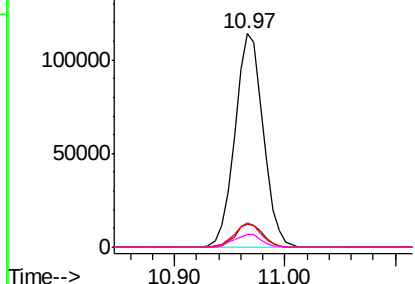
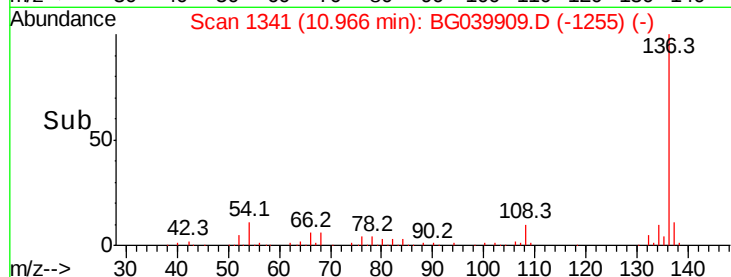
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039909.D
Acq: 13 Mar 2019 19:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	204642
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.1 13.7
54	11.3	9.4 14.2
68	6.2	4.2 6.4

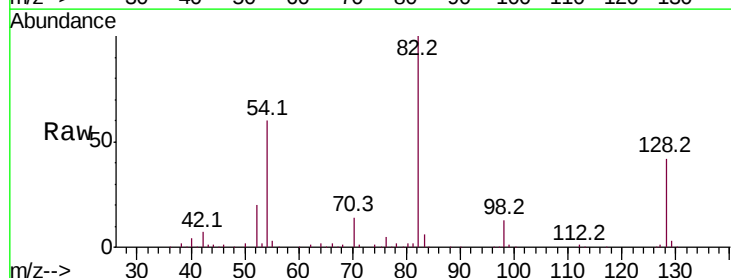


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

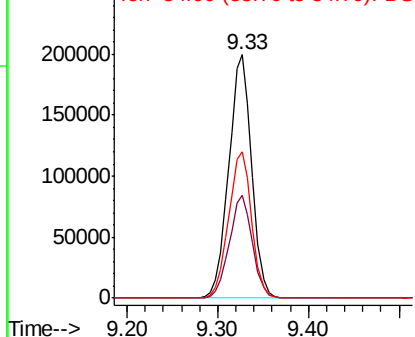
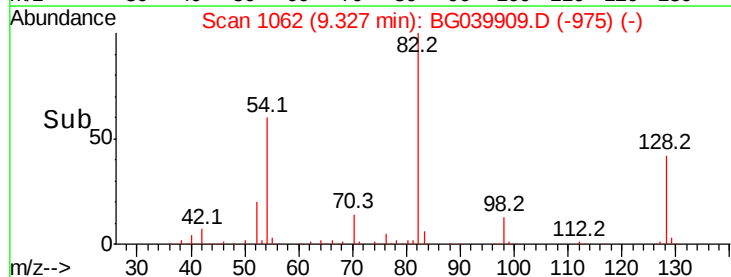


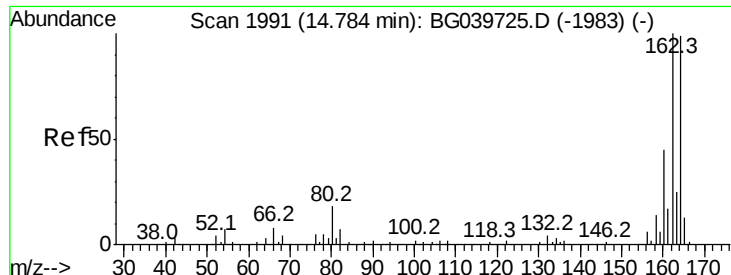
#23
Nitrobenzene-d5
Concen: 92.412 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039909.D
Acq: 13 Mar 2019 19:23

Tgt Ion: 82	Resp:	349668
Ion Ratio	Lower	Upper
82	100	
128	42.4	31.3 46.9
54	60.1	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: BG039909.D

Acq: 13 Mar 2019 19:23

Instrument :

BNA_G

ClientSampled :

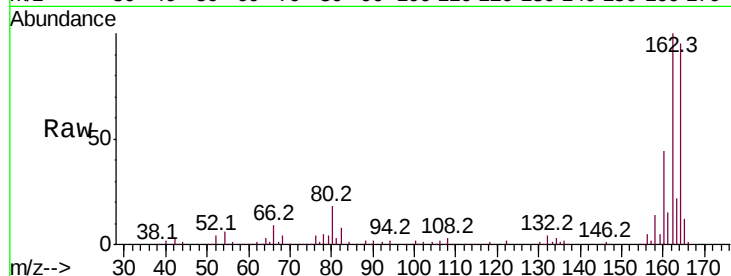
Tot Ion:164 Resp: 129353

Ion Ratio Lower Upper

164 100

162 105.3 81.6 122.4

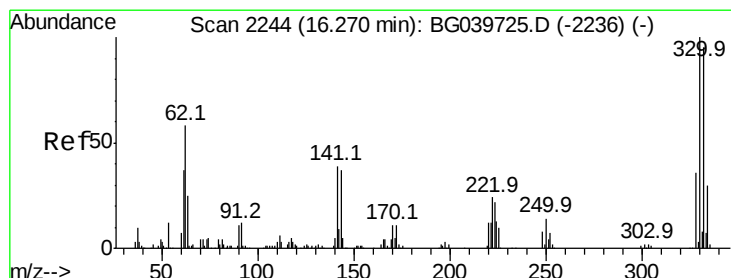
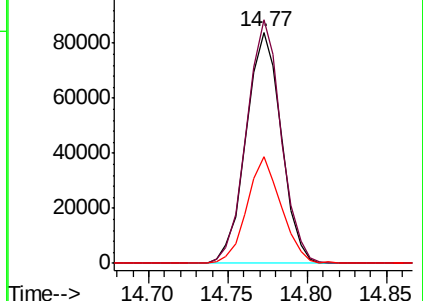
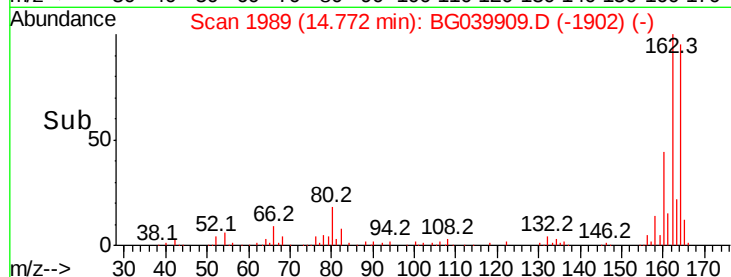
160 45.9 34.2 51.2



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: 137.071 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

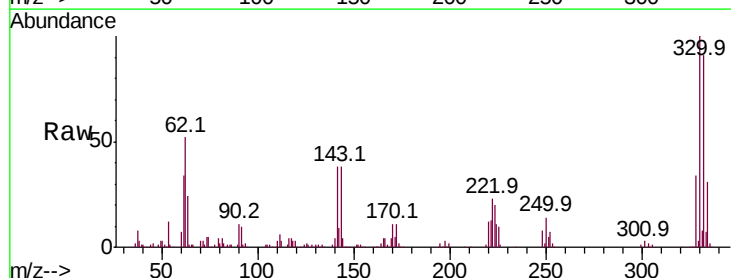
Tgt Ion:330 Resp: 206662

Ion Ratio Lower Upper

330 100

332 94.0 75.7 113.5

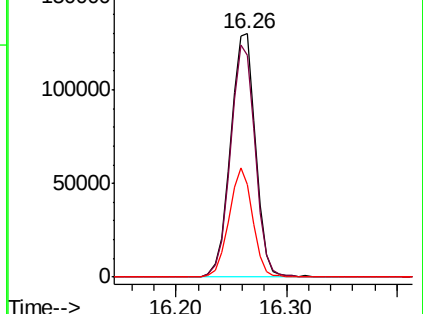
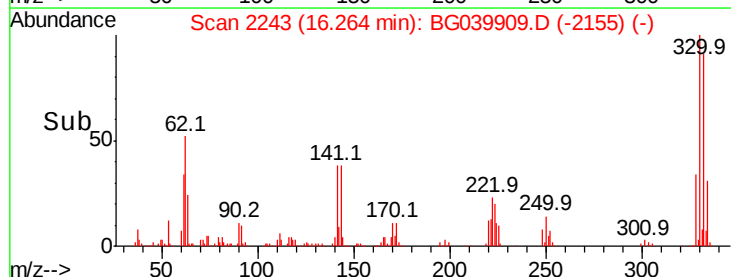
141 42.4 35.6 53.4

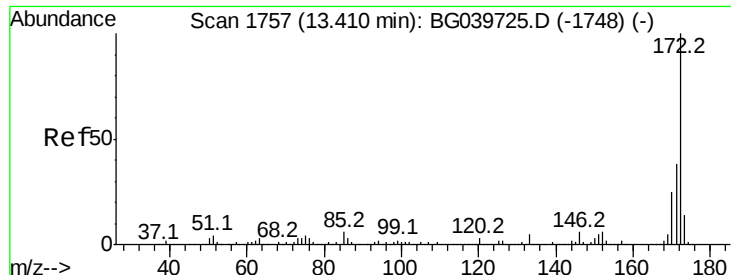


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

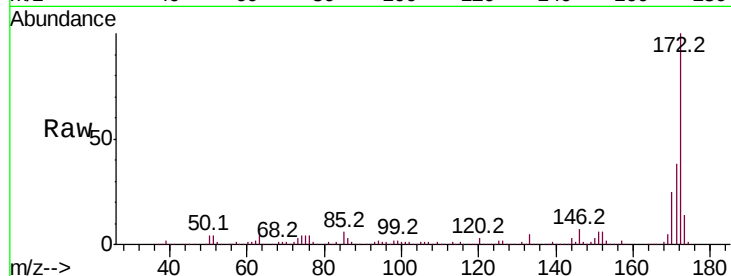




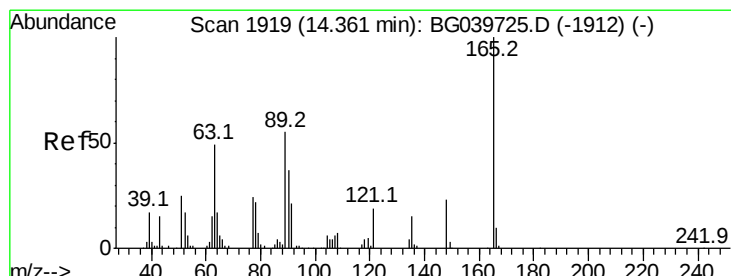
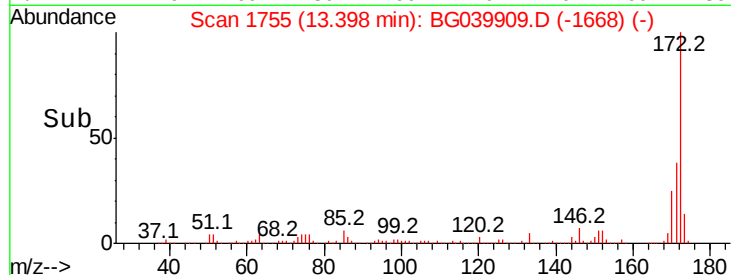
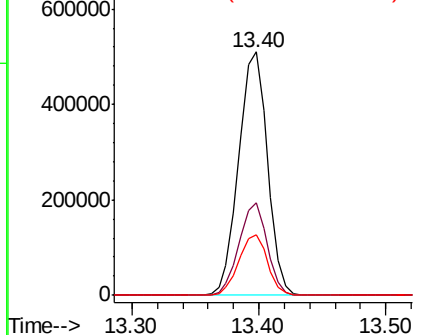
#45
 2-Fluorobiphenyl
 Concen: 88.360 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039909.D
 Acq: 13 Mar 2019 19:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.8	46.2
170	24.9	20.2	30.4

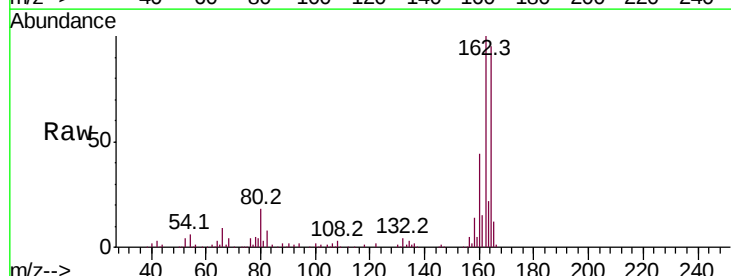


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

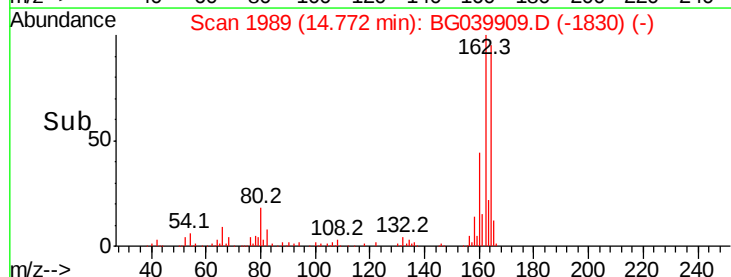
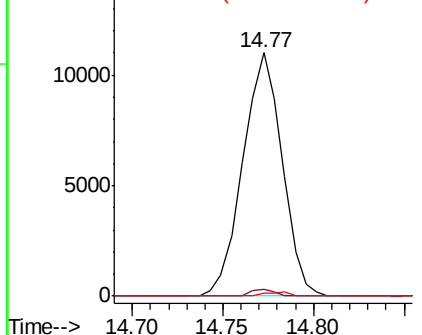


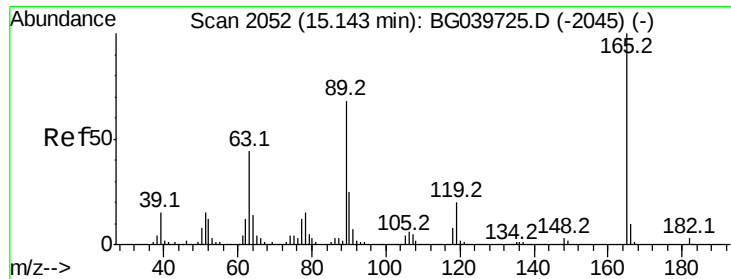
#51
 2,6-Dinitrotoluene
 Concen: 7.228 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039909.D
 Acq: 13 Mar 2019 19:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	47.0	70.6#
89	1.4	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

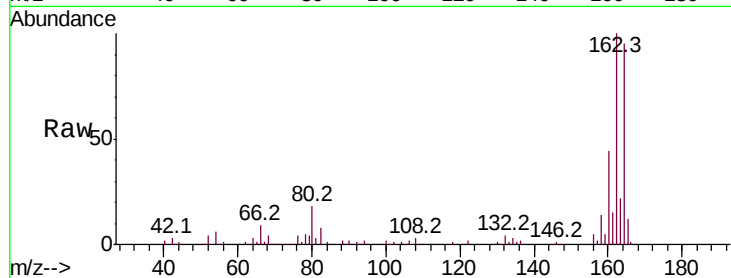




#57
 2,4-Dinitrotoluene
 Concen: 5.144 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039909.D
 Acq: 13 Mar 2019 19:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	41.0	61.6#
89	1.4	64.6	96.8#
182	0.0	2.0	3.0#

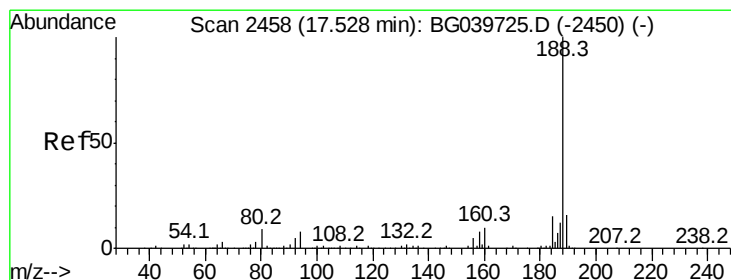
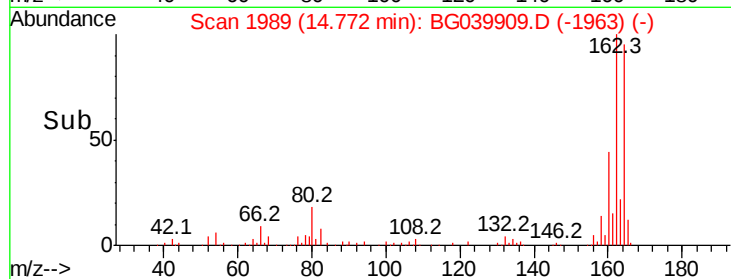
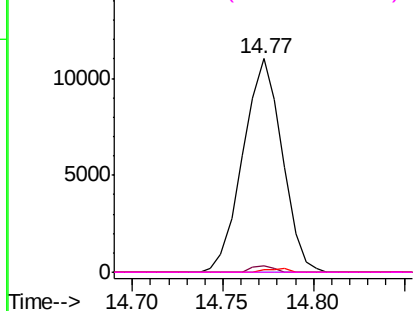


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

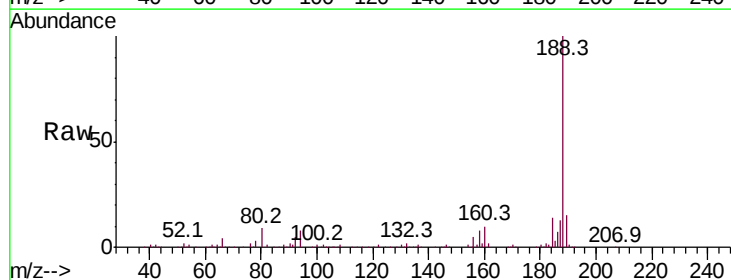
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039909.D
 Acq: 13 Mar 2019 19:23

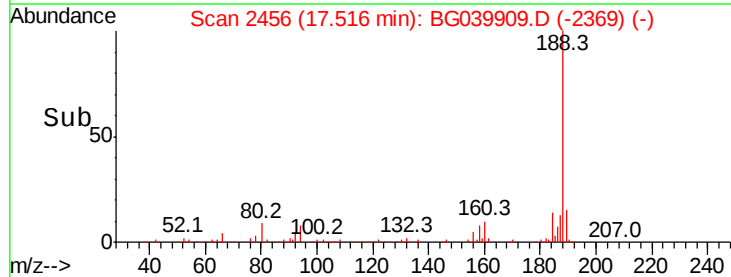
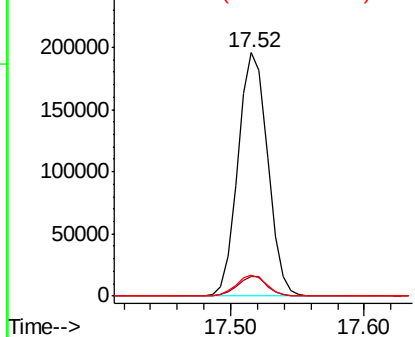
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.6	8.1	12.1

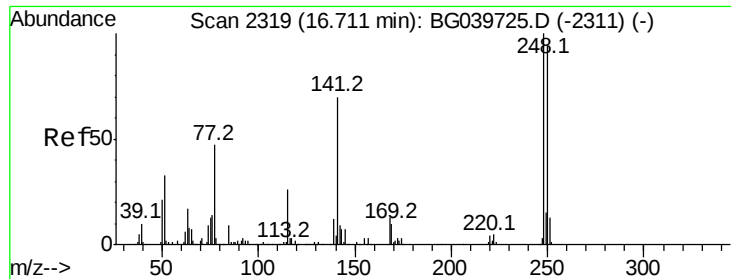


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

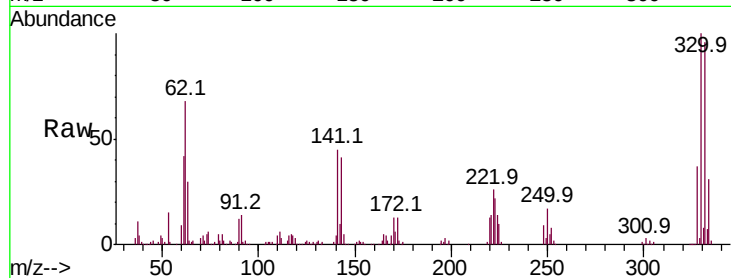




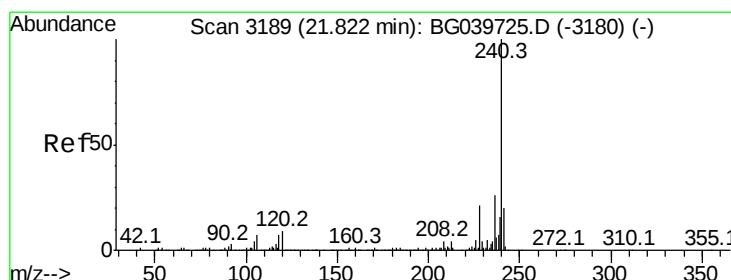
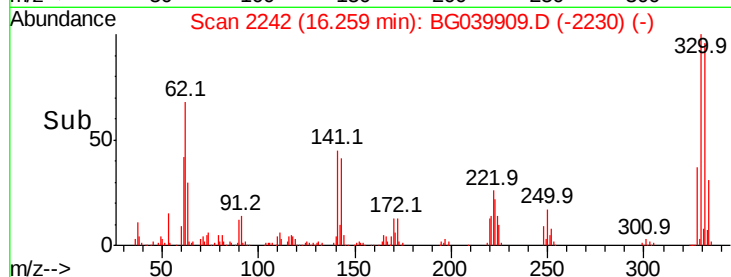
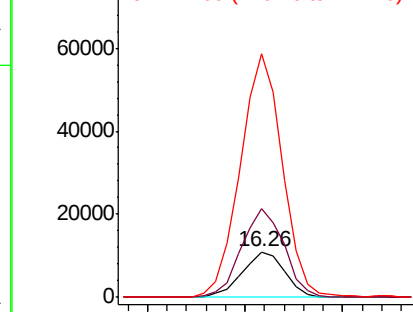
#67
4-Bromophenyl-phenylether
Concen: 4.867 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG039909.D
Acq: 13 Mar 2019 19:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16374
Ion Ratio Lower Upper
248 100
250 194.5 77.6 116.4#
141 531.9 63.9 95.9#

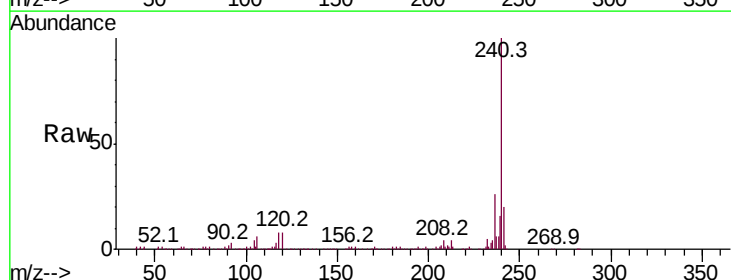


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

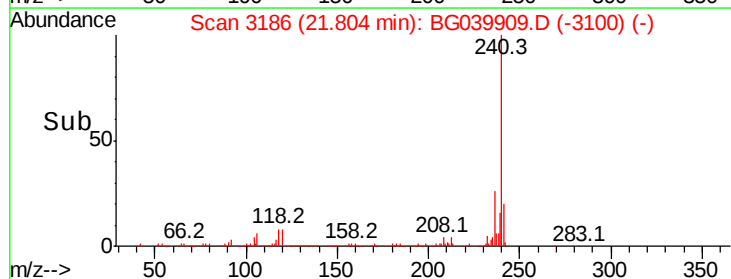
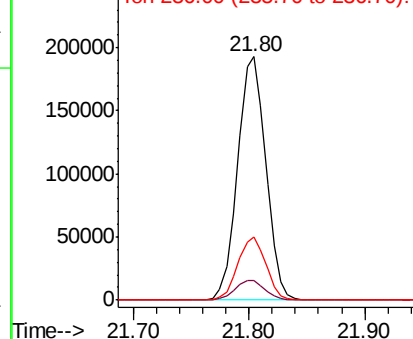


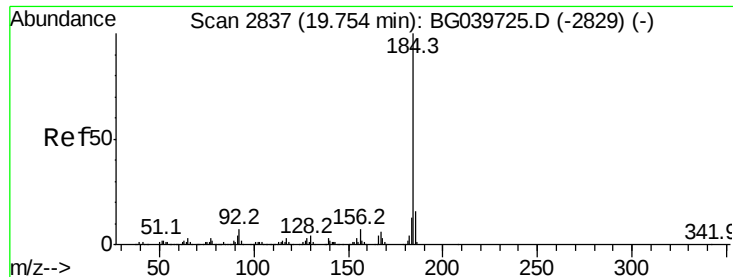
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG039909.D
Acq: 13 Mar 2019 19:23

Tgt Ion:240 Resp: 325443
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.6
236 26.2 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: 2.211 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

Instrument :

BNA_G

ClientSampleId :

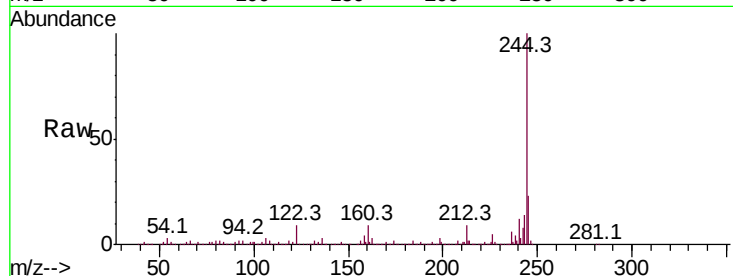
Tot Ion:184 Resp: 22829

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

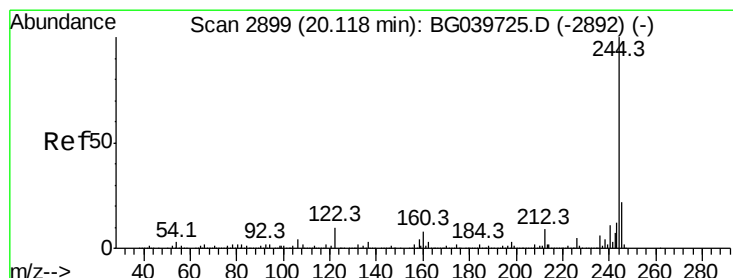
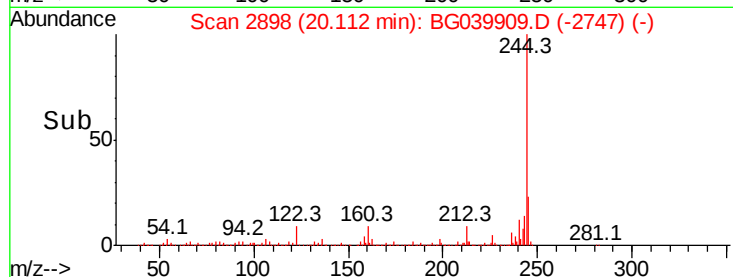
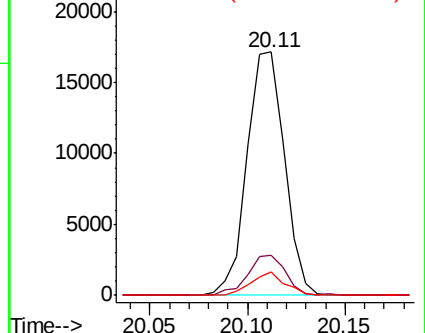
183 9.8 10.6 15.8#



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: 82.243 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

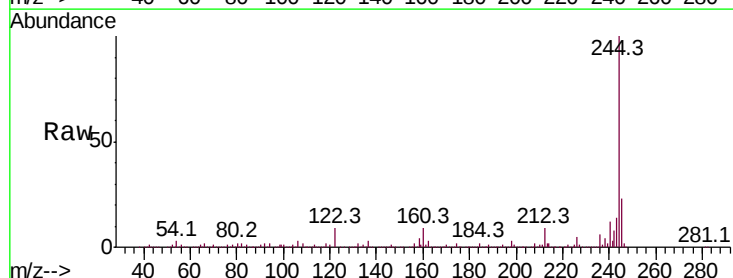
Tgt Ion:244 Resp: 1215610

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

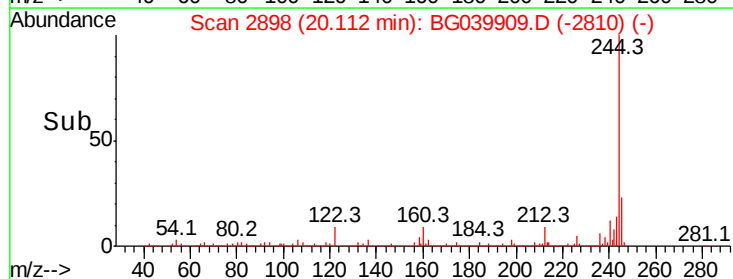
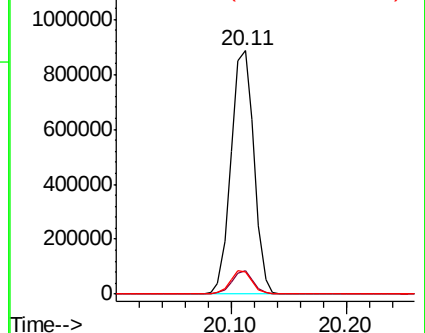
122 9.3 8.4 12.6

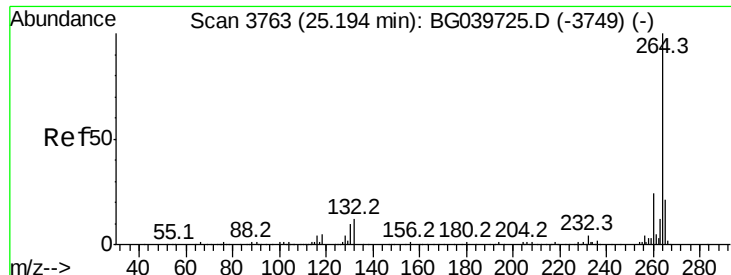


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

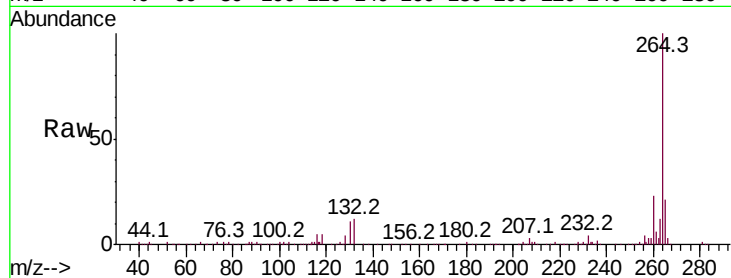




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3758
 Delta R.T. -0.04 min
 Lab File: BG039909.D
 Acq: 13 Mar 2019 19:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	323439
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	21.3	18.5	27.7



Abundance Ion 264.00 (263.70 to 264.70): E
 150000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

