

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
 Data File : BG040173.D
 Acq On : 27 Mar 2019 8:21
 Operator : JU/SJ
 Sample : K2091-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 13:44:38 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

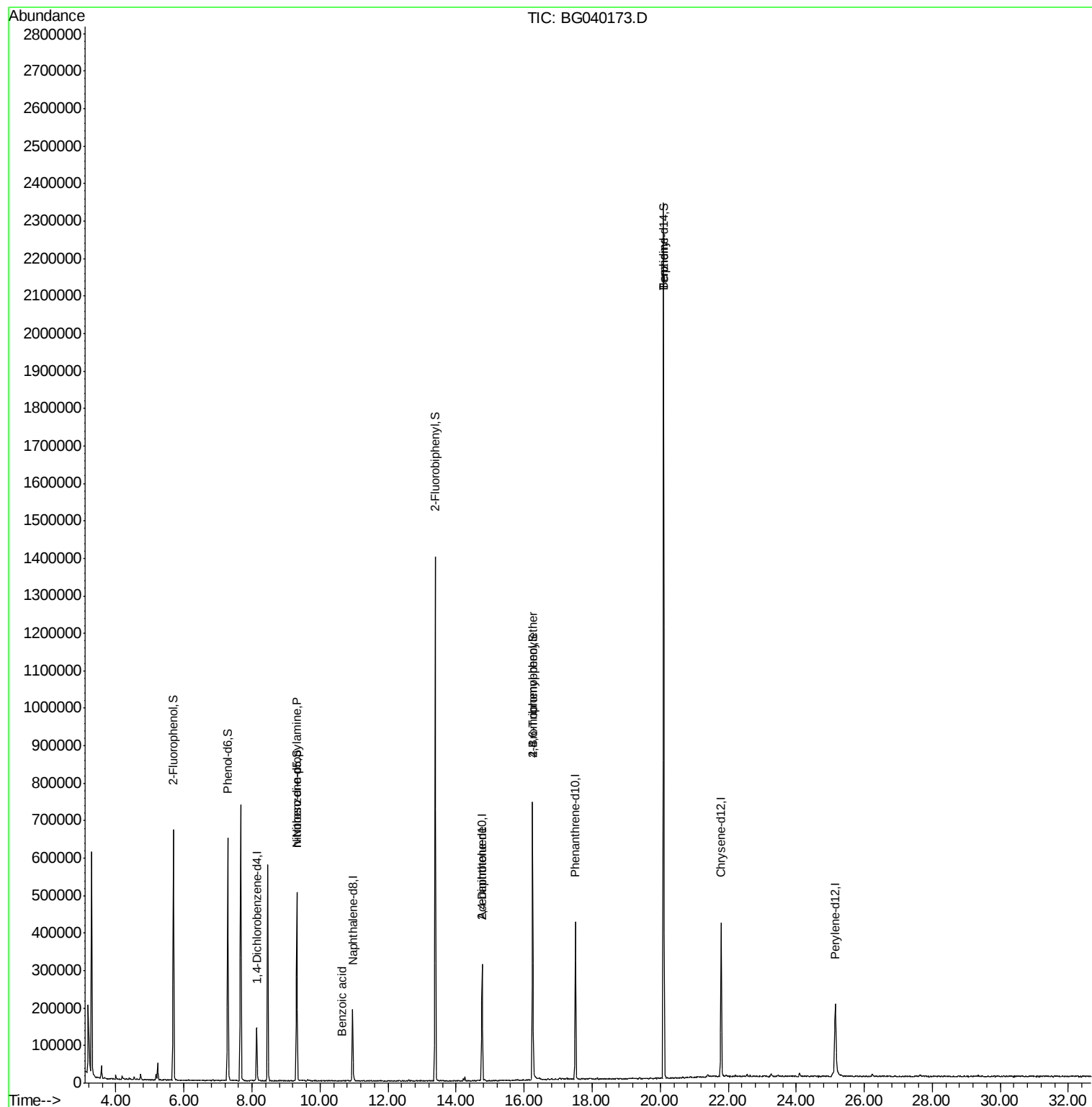
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	38686	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	163365	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	109086	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	256730	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	264418	20.00	ng	-0.04
87) Perylene-d12	25.15	264	254891	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	288361	127.16	ng	-0.02
7) Phenol-d6	7.29	99	374311	110.70	ng	-0.02
23) Nitrobenzene-d5	9.32	82	300384	99.45	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	142519	112.09	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	733525	95.74	ng	-0.03
79) Terphenyl-d14	20.10	244	1120553	93.31	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	38817	15.950	ng	# 67
32) Benzoic acid	10.64	122	53	6.626	ng	# 1
57) 2,4-Dinitrotoluene	14.76	165	14166	5.214	ng	# 19
67) 4-Bromophenyl-phenylether	16.25	248	10743	3.738	ng	# 1
77) Benzidine	20.10	184	19636	2.340	ng	# 91

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

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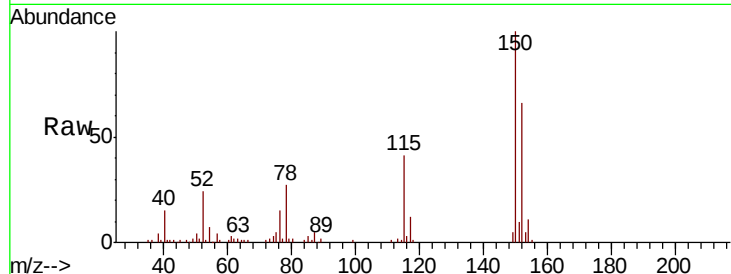


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040173.D
Acq: 27 Mar 2019 8:21

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.7	185.5
115	61.9	45.9	68.9

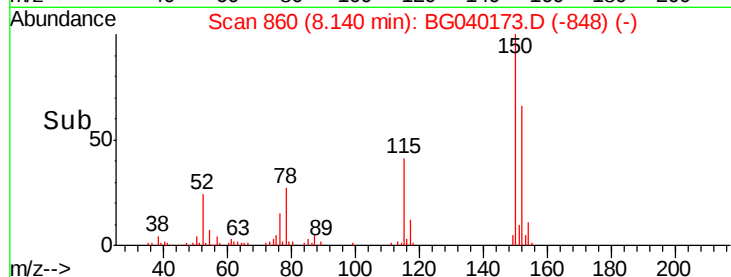
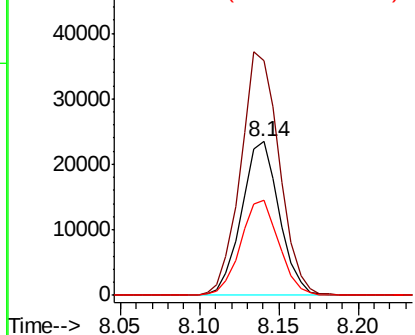


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

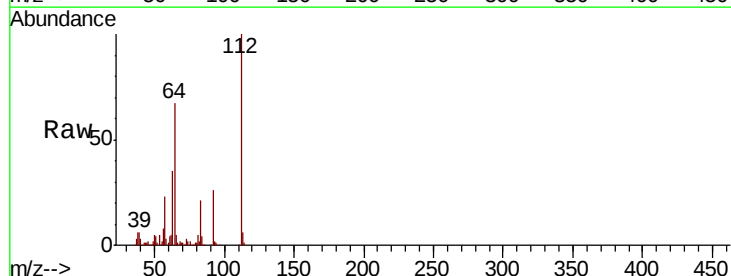
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.164 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG040173.D
Acq: 27 Mar 2019 8:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	57.8	86.8
63	34.9	29.8	44.6

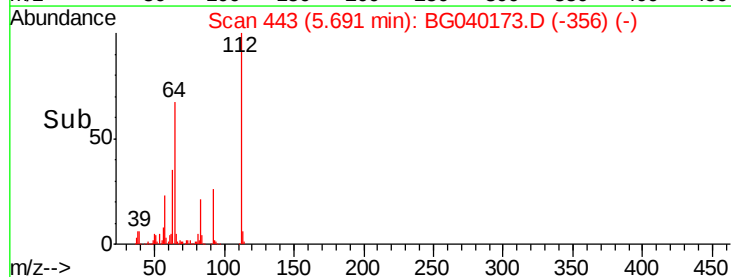
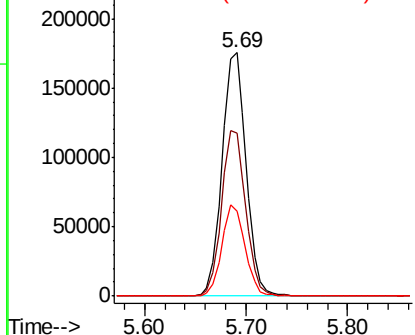


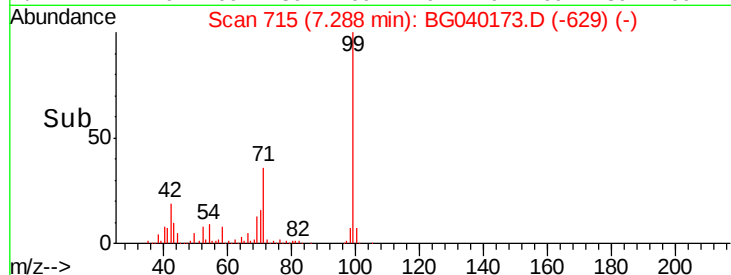
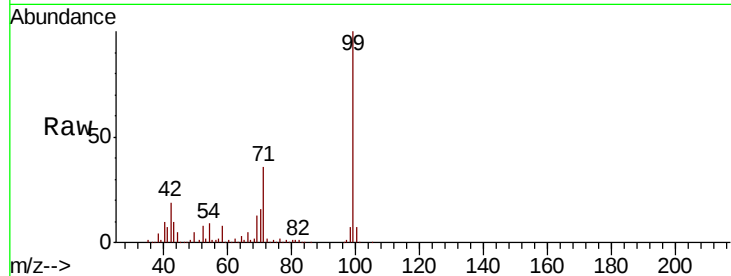
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 110.705 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040173.D

Acq: 27 Mar 2019 8:21

Instrument :

BNA_G

ClientSampled :

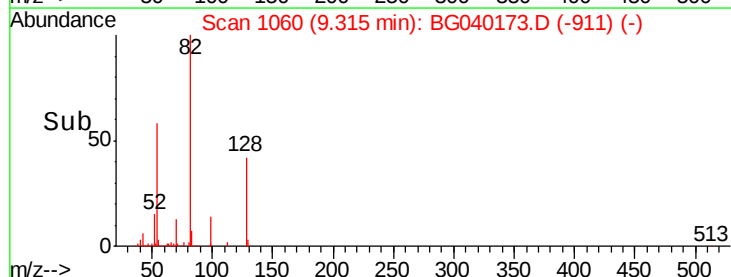
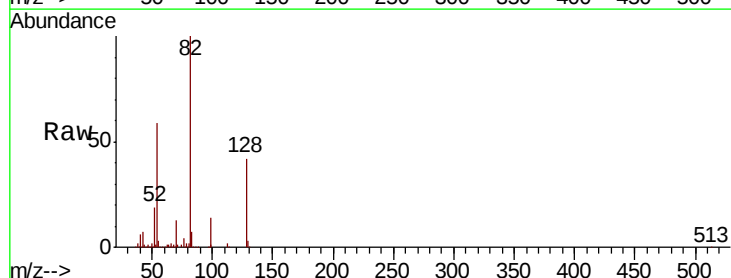
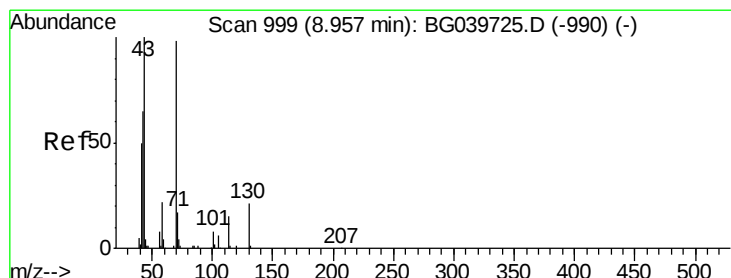
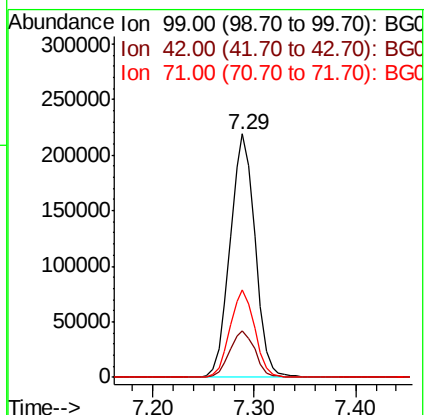
Tot Ion: 99 Resp: 374311

Ion Ratio Lower Upper

99 100

42 19.3 18.2 27.2

71 35.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.950 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040173.D

Acq: 27 Mar 2019 8:21

Tgt Ion: 70 Resp: 38817

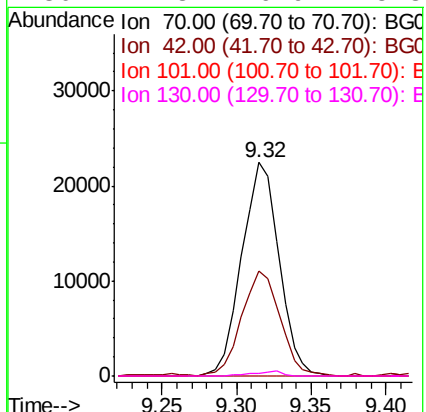
Ion Ratio Lower Upper

70 100

42 49.3 60.4 90.6#

101 0.0 7.5 11.3#

130 1.3 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1340

Delta R.T. -0.03 min

Lab File: BG040173.D

Acq: 27 Mar 2019 8:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 163365

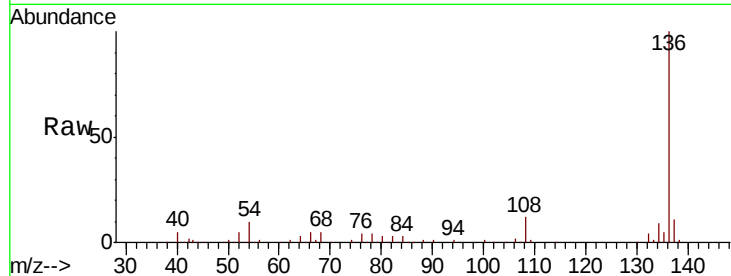
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.2 9.4 14.2

68 5.4 4.2 6.4

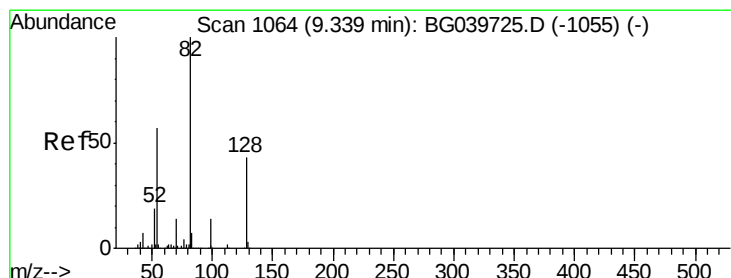
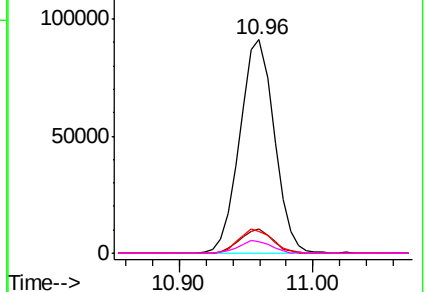
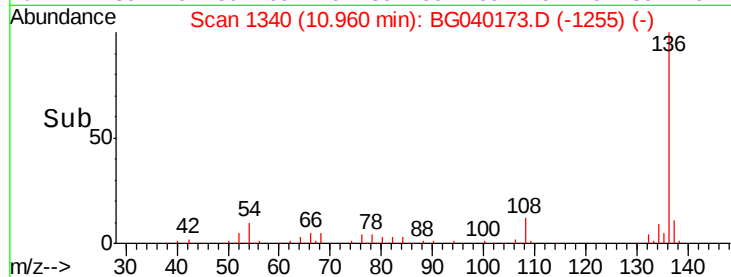


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.446 ng

RT: 9.32 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BG040173.D

Acq: 27 Mar 2019 8:21

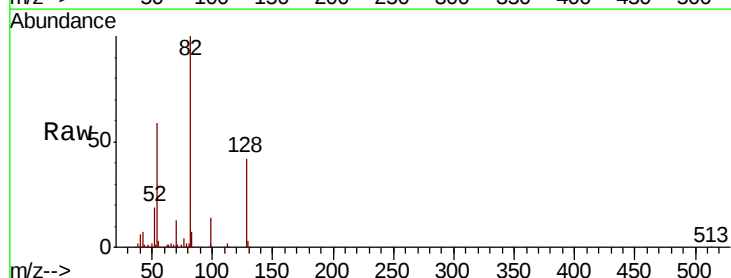
Tgt Ion: 82 Resp: 300384

Ion Ratio Lower Upper

82 100

128 42.3 31.3 46.9

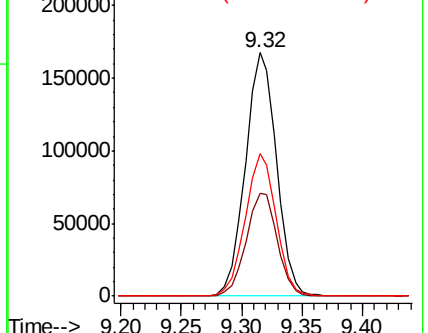
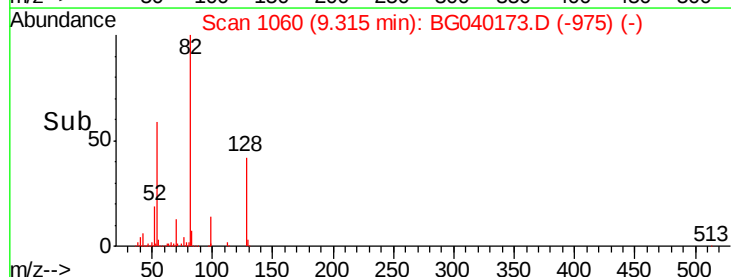
54 58.6 50.9 76.3

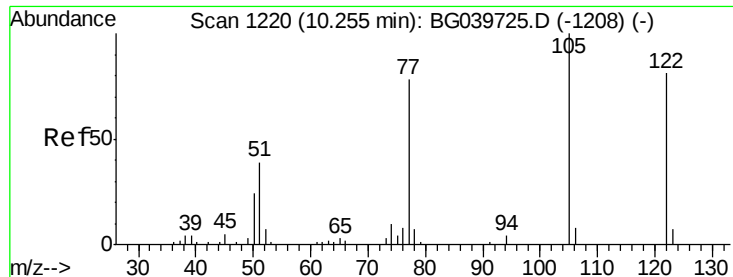


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.626 ng

RT: 10.64 min Scan# 1285

Delta R.T. 0.38 min

Lab File: BG040173.D

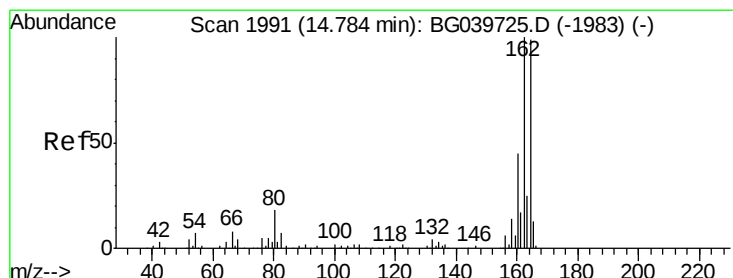
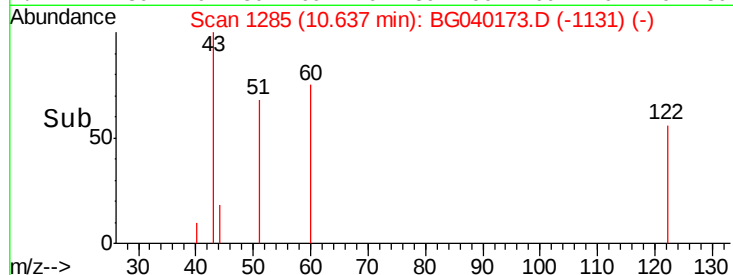
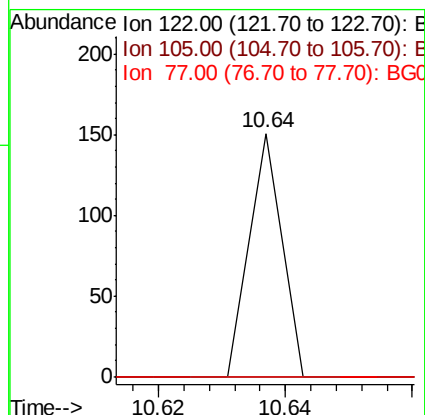
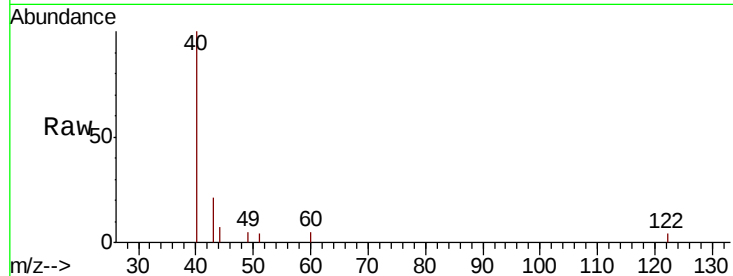
Acq: 27 Mar 2019 8:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	122	Resp:	53
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

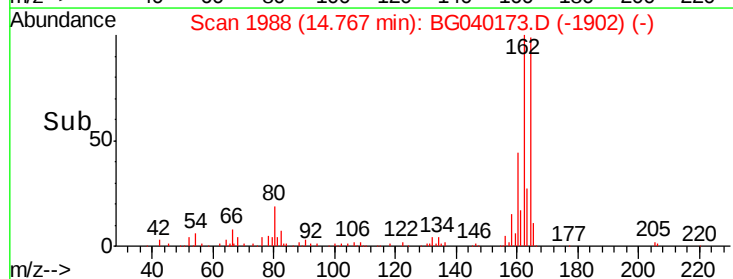
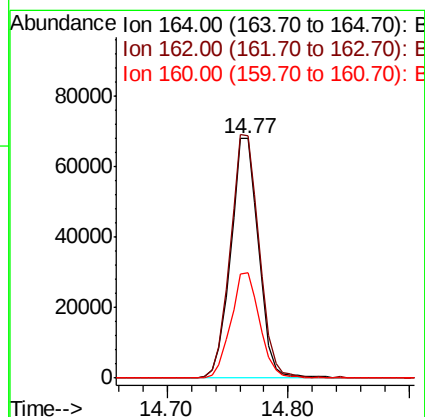
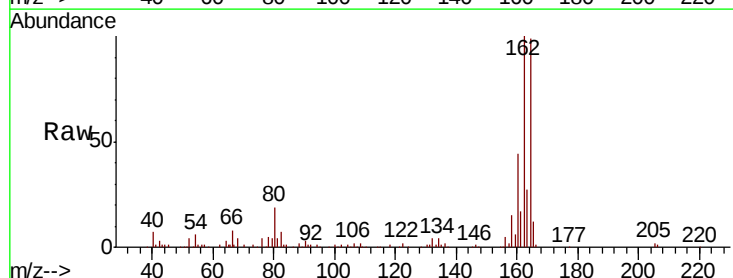
RT: 14.77 min Scan# 1988

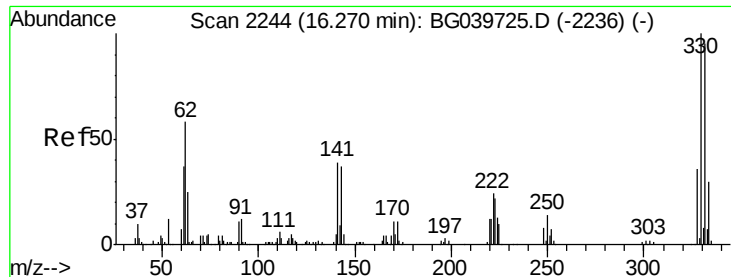
Delta R.T. -0.02 min

Lab File: BG040173.D

Acq: 27 Mar 2019 8:21

Tgt Ion:	164	Resp:	109086
Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.6	122.4
160	44.2	34.2	51.2

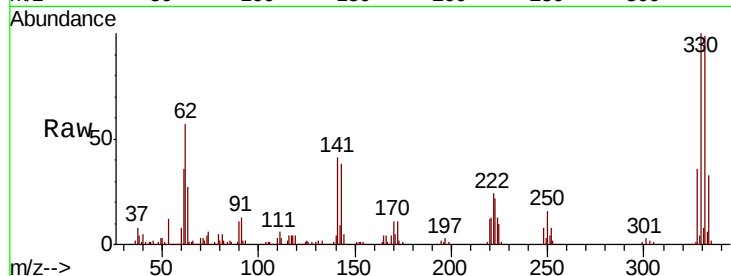




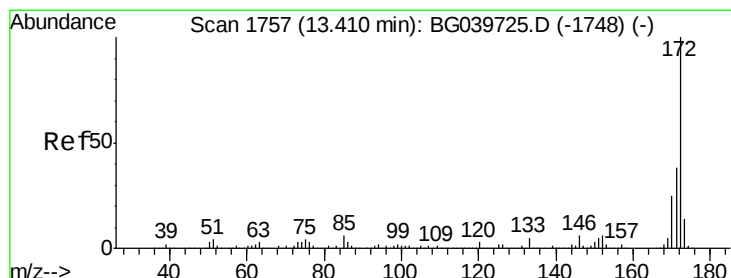
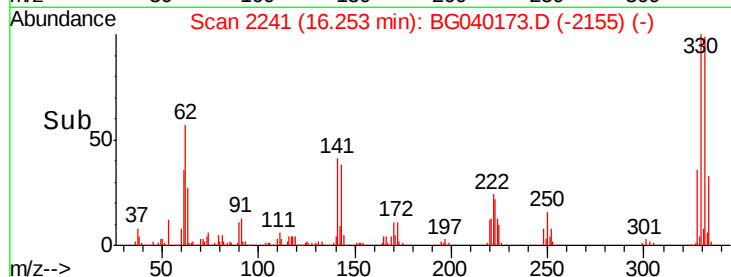
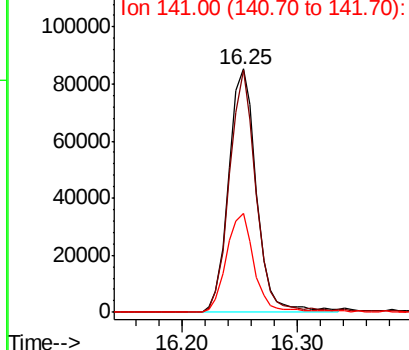
#42
 2,4,6-Tribromophenol
 Concen: 112.089 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040173.D
 Acq: 27 Mar 2019 8:21

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	75.7	113.5
141	40.6	35.6	53.4

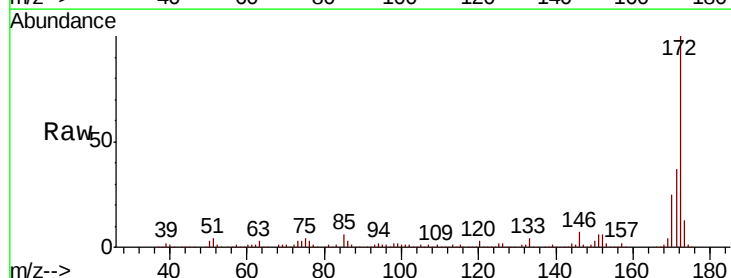


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

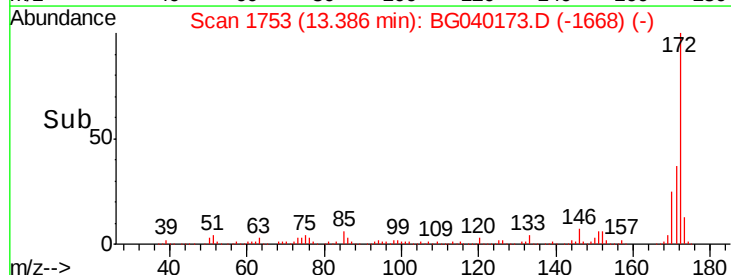
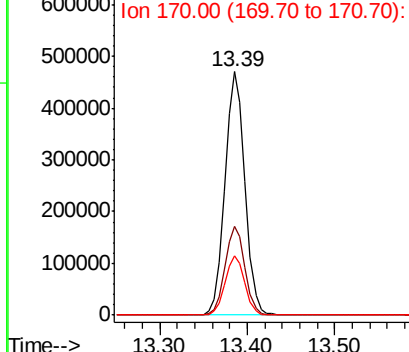


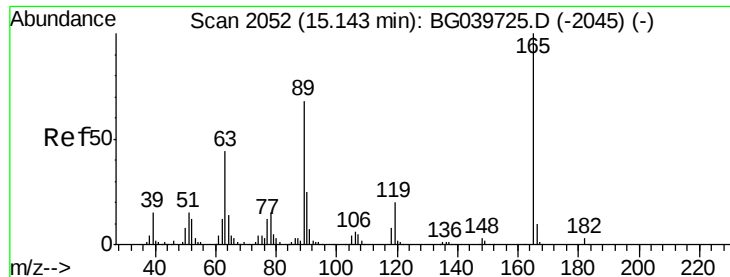
#45
 2-Fluorobiphenyl
 Concen: 95.742 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040173.D
 Acq: 27 Mar 2019 8:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.8	46.2
170	24.6	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

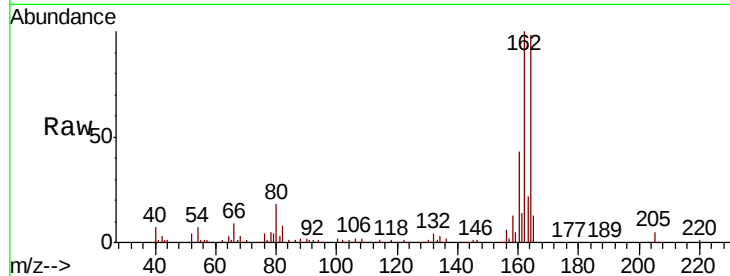




#57
 2,4-Dinitrotoluene
 Concen: 5.214 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.39 min
 Lab File: BG040173.D
 Acq: 27 Mar 2019 8:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.3	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

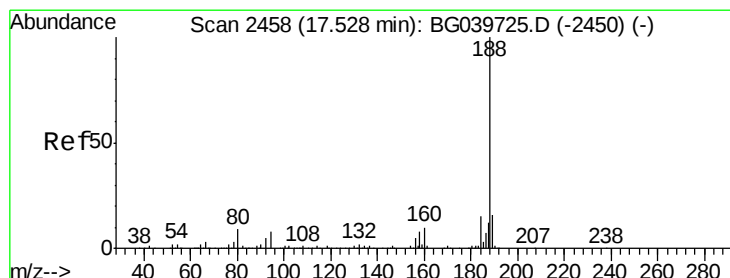
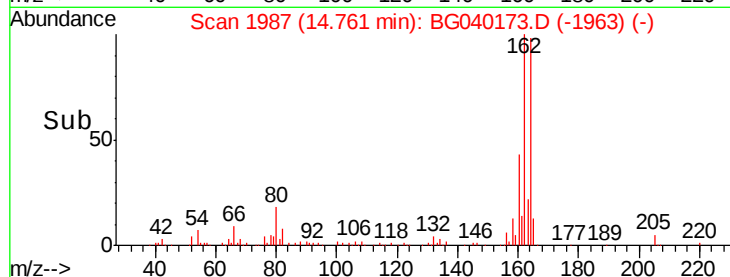
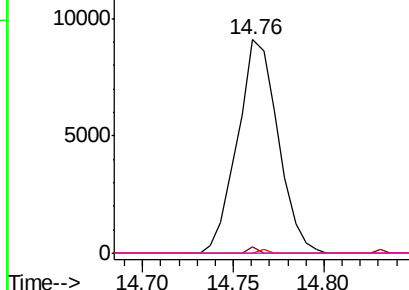


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

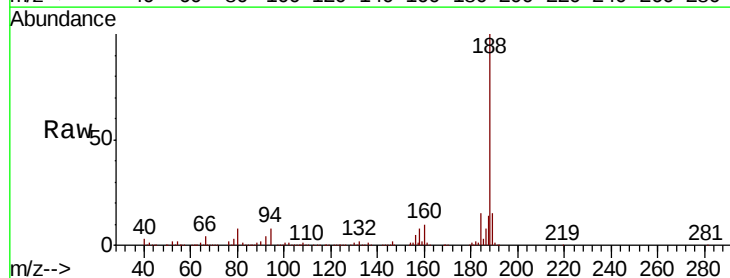
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040173.D
 Acq: 27 Mar 2019 8:21

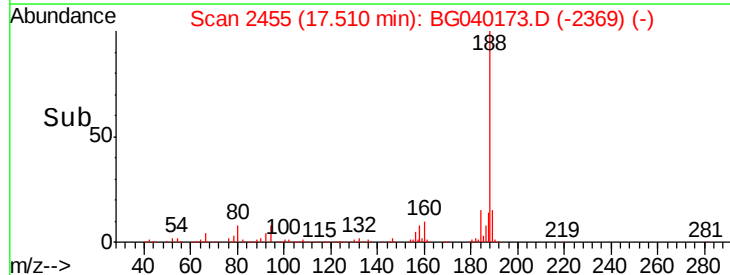
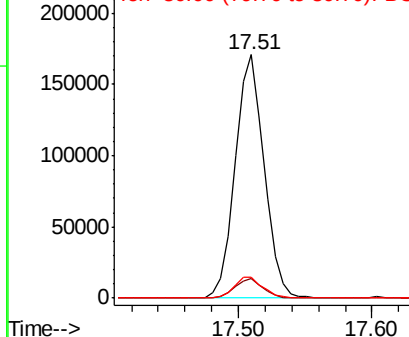
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.3	8.1	12.1

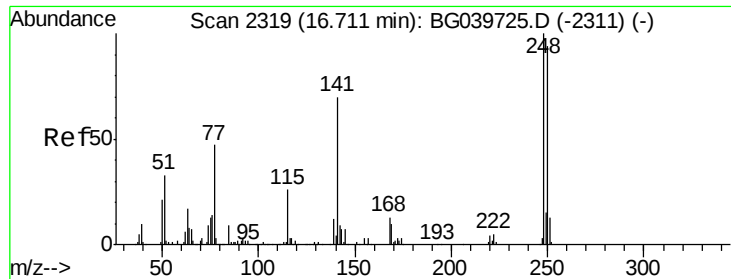


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

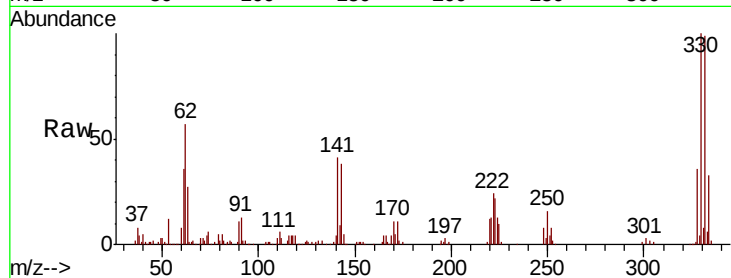




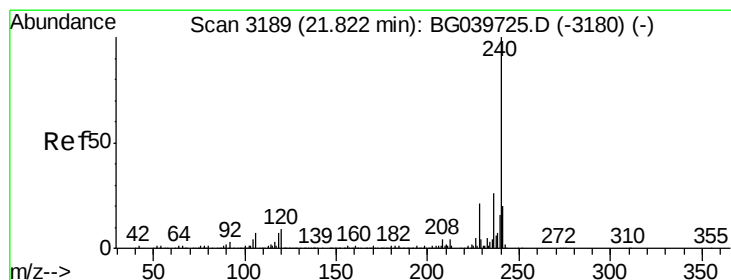
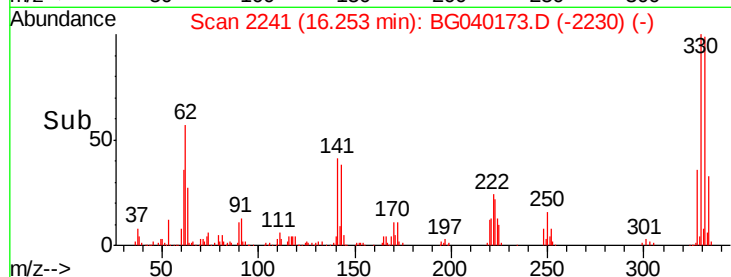
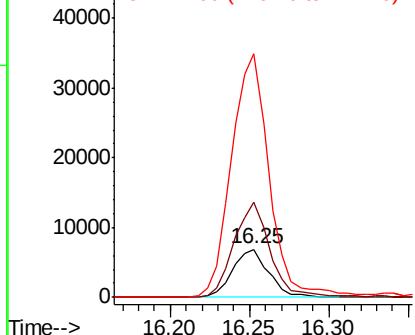
#67
4-Bromophenyl-phenylether
Concen: 3.738 ng
RT: 16.25 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040173.D
Acq: 27 Mar 2019 8:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 10743
Ion Ratio Lower Upper
248 100
250 199.3 77.6 116.4#
141 509.6 63.9 95.9#

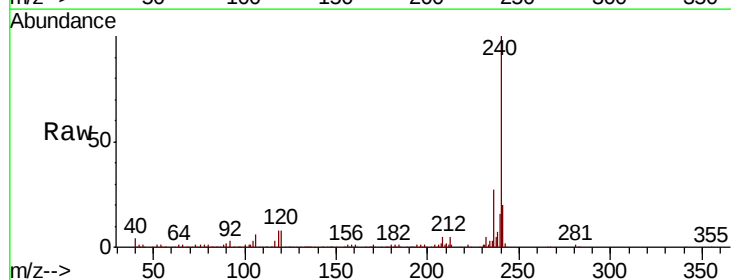


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

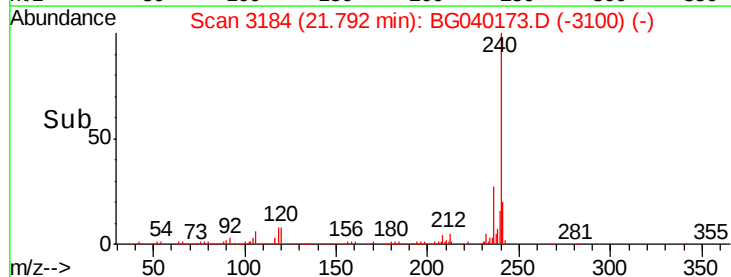
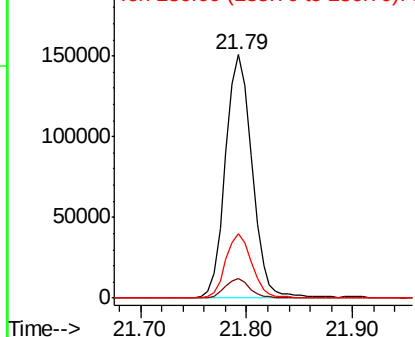


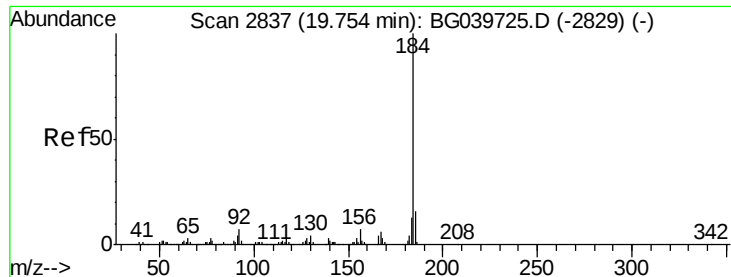
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.04 min
Lab File: BG040173.D
Acq: 27 Mar 2019 8:21

Tgt Ion:240 Resp: 264418
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.6
236 26.6 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: 2.340 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040173.D

Acq: 27 Mar 2019 8:21

Instrument :

BNA_G

ClientSampleId :

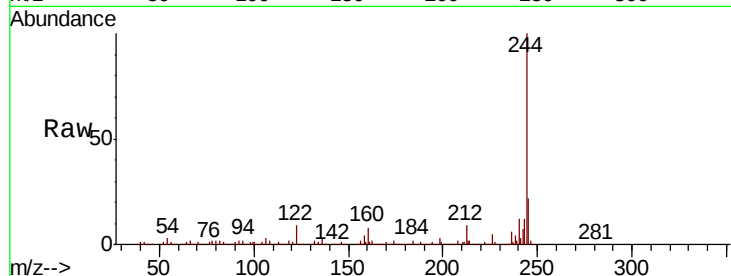
Tot Ion:184 Resp: 19636

Ion Ratio Lower Upper

184 100

185 18.3 12.2 18.2#

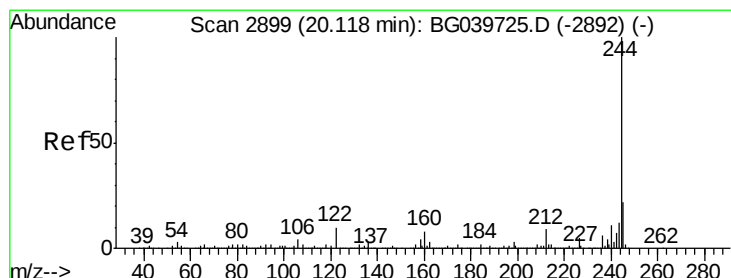
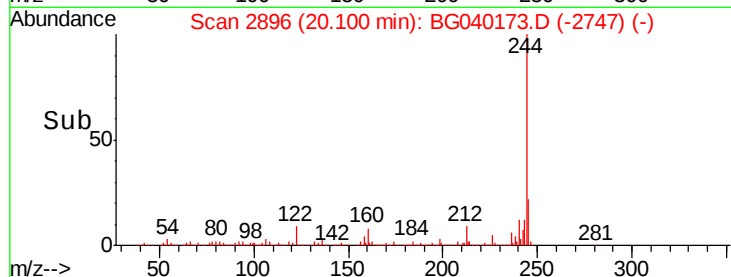
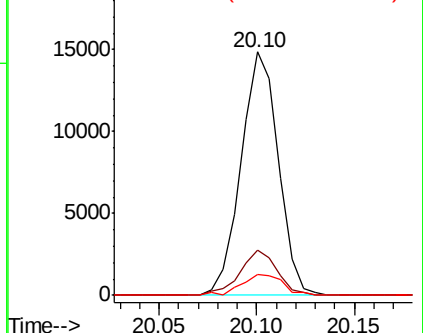
183 8.8 10.6 15.8#



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: 93.308 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040173.D

Acq: 27 Mar 2019 8:21

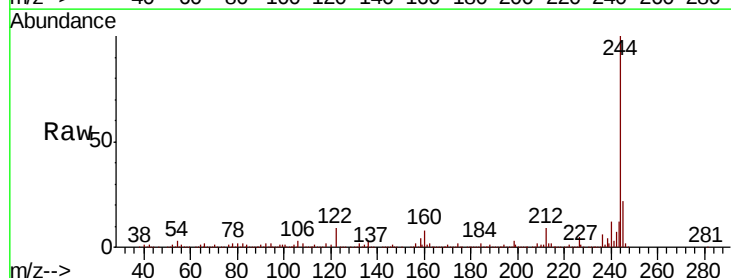
Tgt Ion:244 Resp: 1120553

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

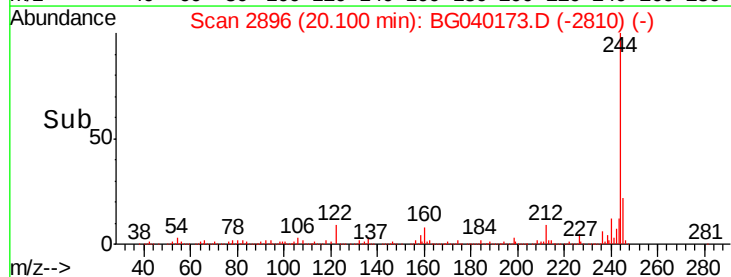
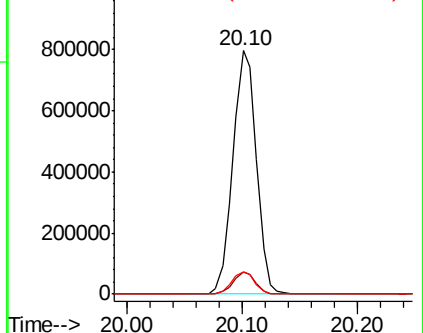
122 9.1 8.4 12.6

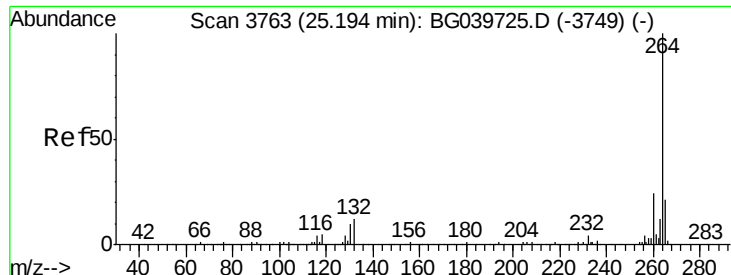


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

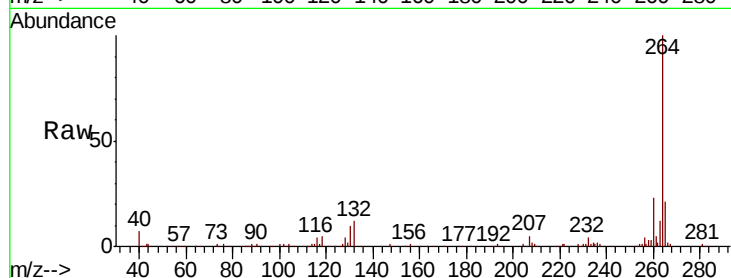
Lab File: BG040173.D

Acq: 27 Mar 2019 8:21

Instrument :

BNA_G

ClientSampleId :



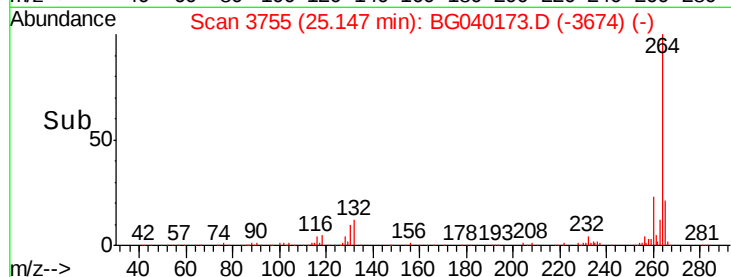
Tot Ion: 264 Resp: 254891

Ion Ratio Lower Upper

264 100

260 23.5 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

