

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040047.D
 Acq On : 20 Mar 2019 22:25
 Operator : JU/SJ
 Sample : K1943-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:30:01 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

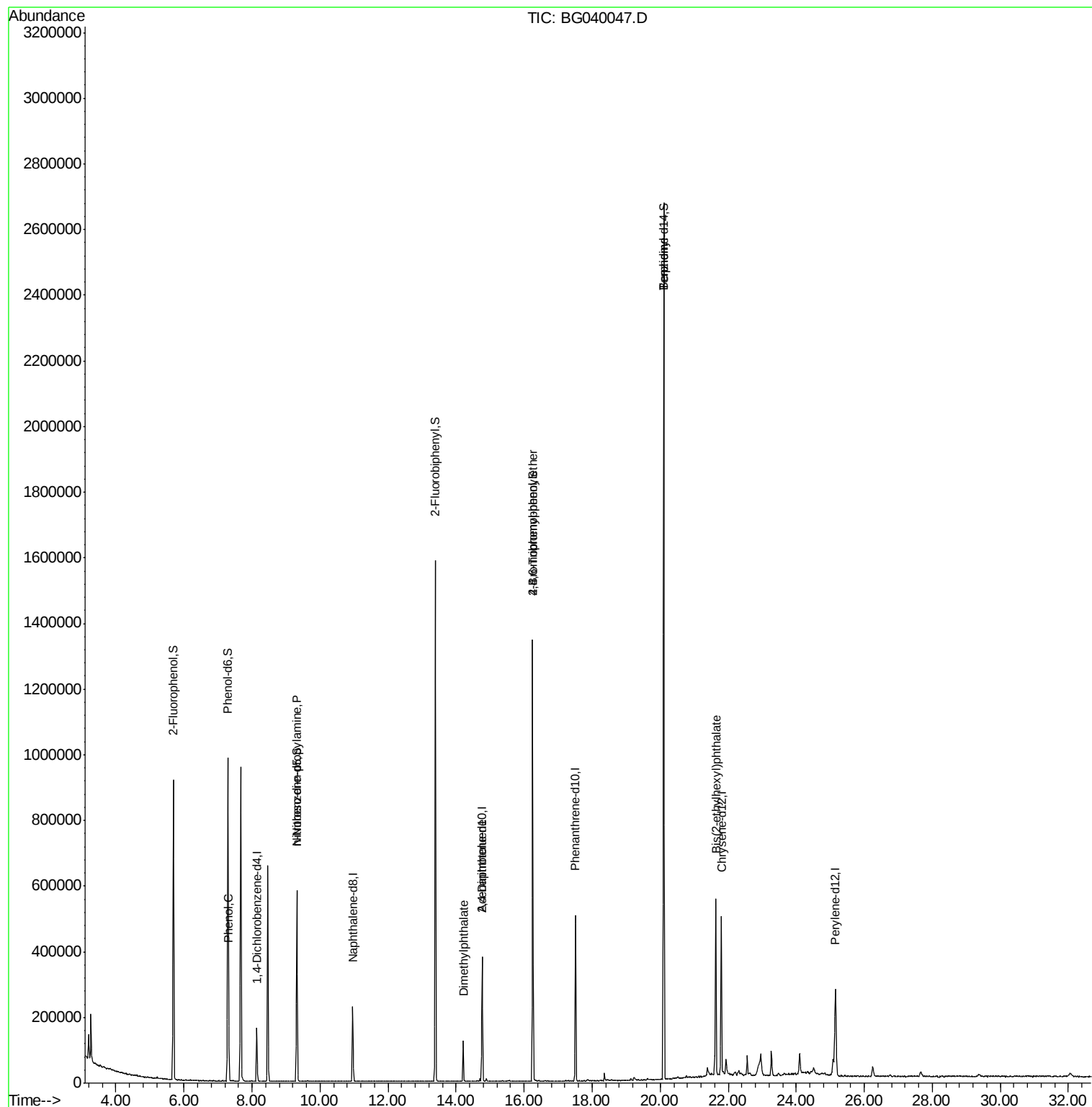
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	44837	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	192351	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	130324	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	317781	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	297921	20.00	ng	-0.03
87) Perylene-d12	25.15	264	297818	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	387202	147.33	ng	-0.02
7) Phenol-d6	7.29	99	564468	144.04	ng	-0.02
23) Nitrobenzene-d5	9.32	82	348594	98.02	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	232667	153.17	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	810107	88.51	ng	-0.02
79) Terphenyl-d14	20.11	244	1212857	89.64	ng	-0.02
Target Compounds						
10) Phenol	7.32	94	49158	11.579	ng	Qvalue 100
19) n-Nitroso-di-n-propylamine	9.32	70	46114	16.349	ng	# 69
50) Dimethylphthalate	14.21	163	81400	7.470	ng	98
57) 2,4-Dinitrotoluene	14.77	165	16947	5.221	ng	# 18
67) 4-Bromophenyl-phenylether	16.26	248	17313	4.867	ng	# 1
77) Benzidine	20.11	184	21301	2.253	ng	95
84) Bis(2-ethylhexyl)phthalate	21.64	149	268952	25.518	ng	98

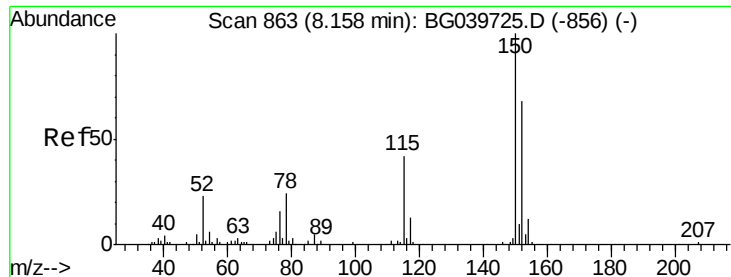
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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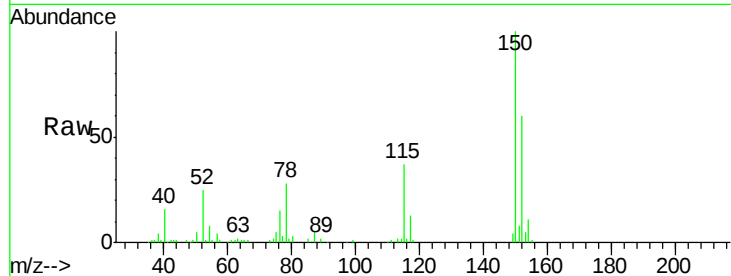


#1

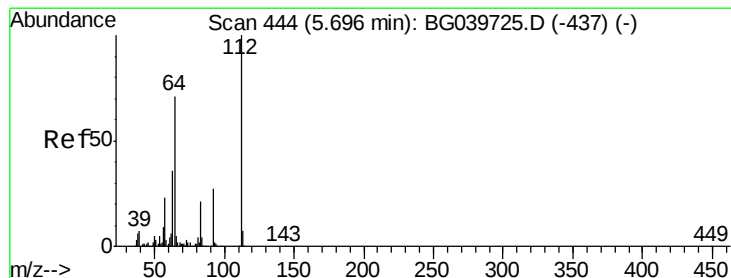
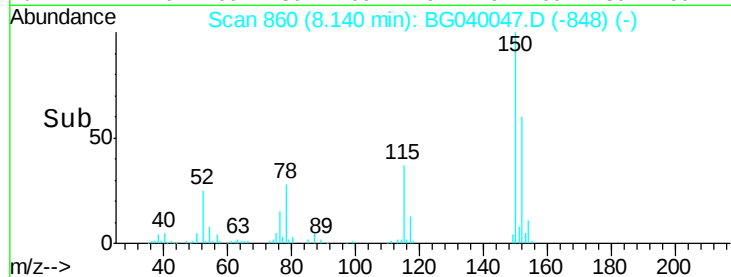
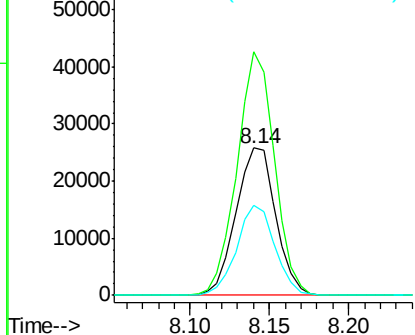
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040047.D
Acq: 20 Mar 2019 22:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 44837
Ion Ratio Lower Upper
152 100
150 165.5 123.7 185.5
115 60.9 45.9 68.9



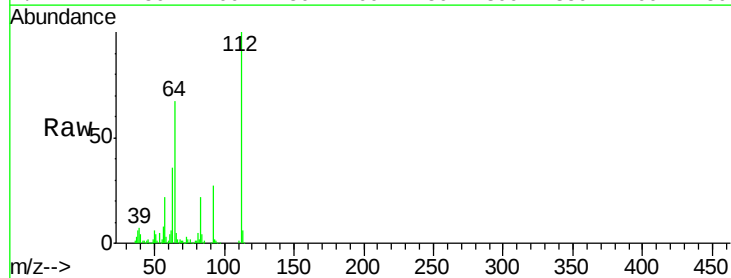
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



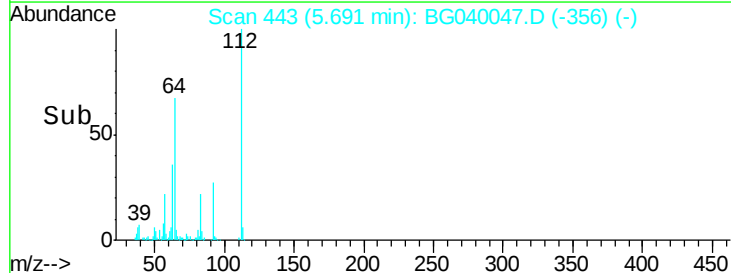
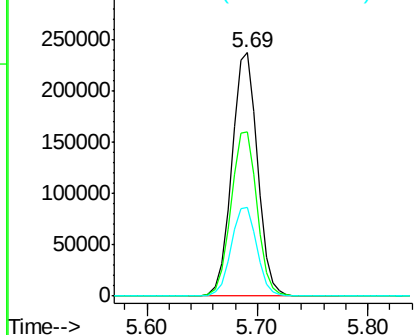
#5

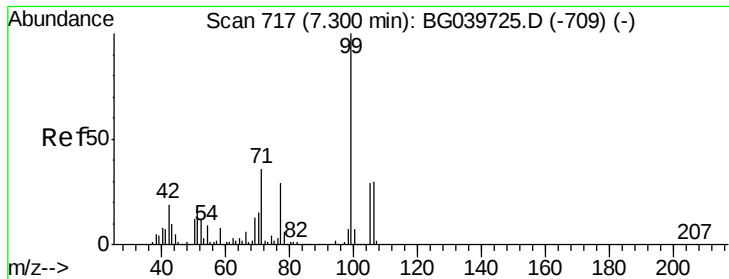
2-Fluorophenol
Concen: 147.327 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG040047.D
Acq: 20 Mar 2019 22:25

Tgt Ion:112 Resp: 387202
Ion Ratio Lower Upper
112 100
64 67.4 57.8 86.8
63 36.3 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: 144.042 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040047.D

Acq: 20 Mar 2019 22:25

Instrument :

BNA_G

ClientSampleId :

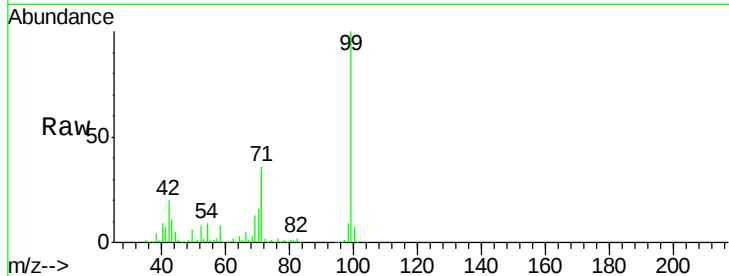
Tot Ion: 99 Resp: 564468

Ion Ratio Lower Upper

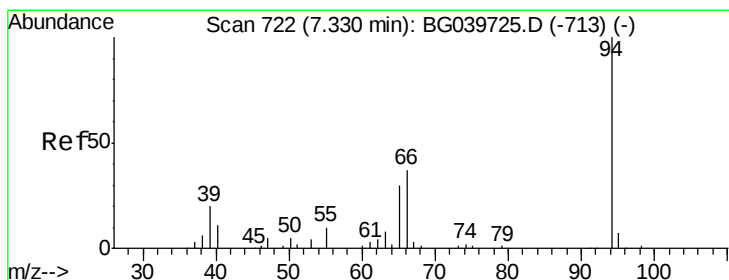
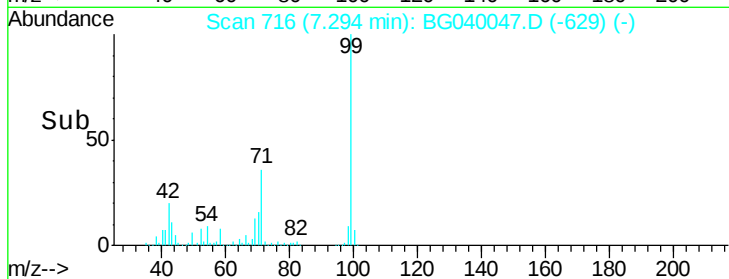
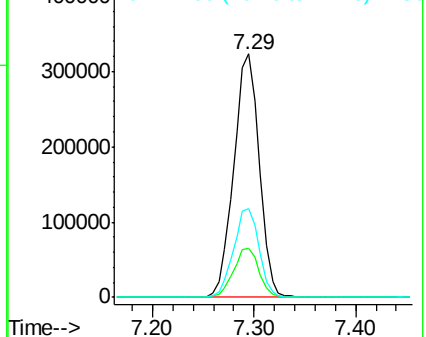
99 100

42 19.9 18.2 27.2

71 36.5 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



#10

Phenol

Concen: 11.579 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG040047.D

Acq: 20 Mar 2019 22:25

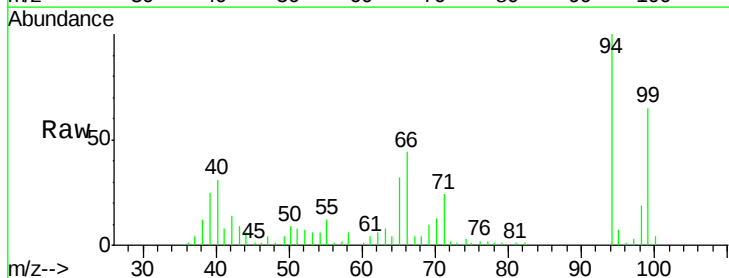
Tgt Ion: 94 Resp: 49158

Ion Ratio Lower Upper

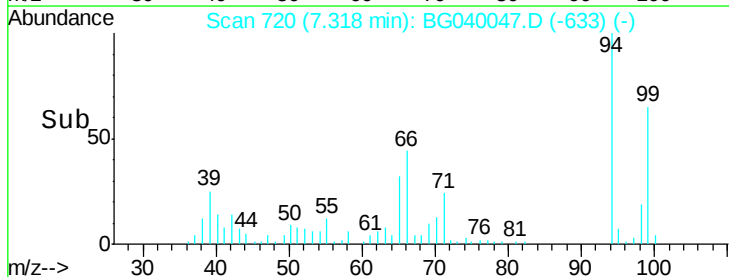
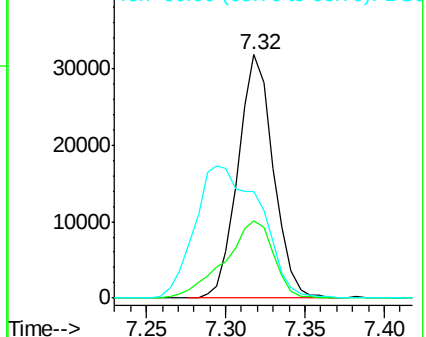
94 100

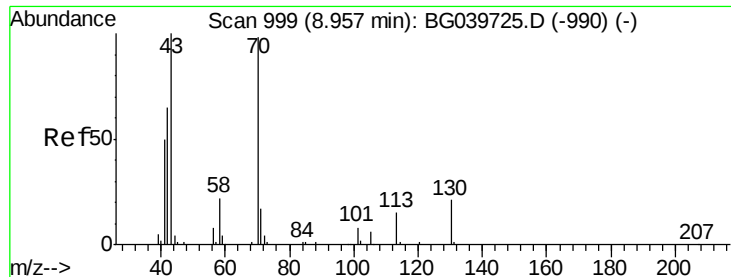
65 32.0 11.7 51.7

66 43.7 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.349 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040047.D

Acq: 20 Mar 2019 22:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 46114

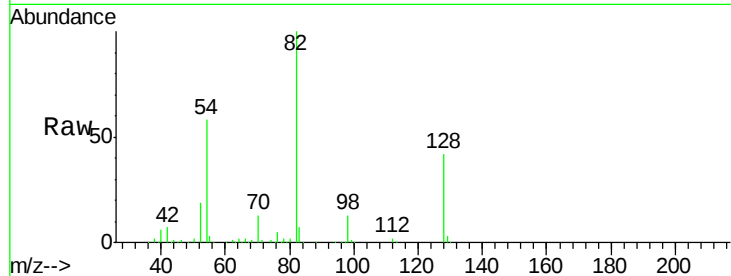
Ion Ratio Lower Upper

70 100

42 51.1 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#



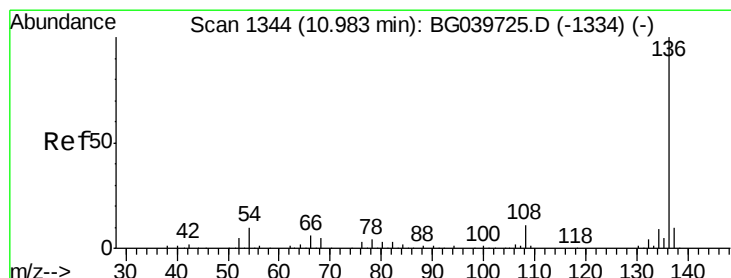
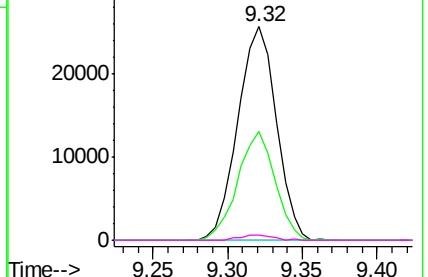
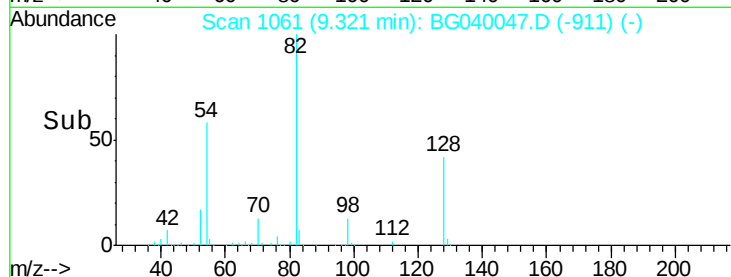
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1340

Delta R.T. -0.03 min

Lab File: BG040047.D

Acq: 20 Mar 2019 22:25

Tgt Ion: 136 Resp: 192351

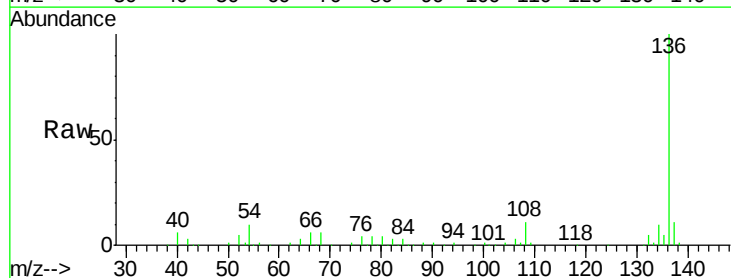
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 10.5 9.4 14.2

68 6.4 4.2 6.4



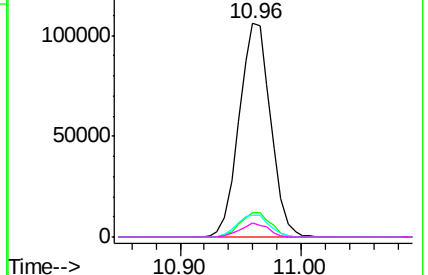
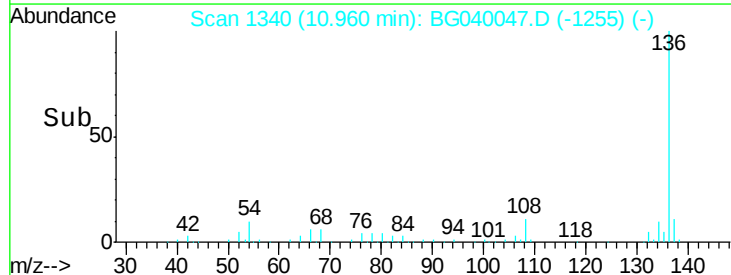
Abundance Ion 136.00 (135.70 to 136.70): BGC

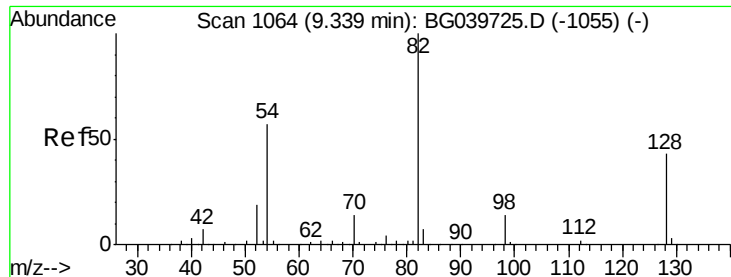
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

Time-->

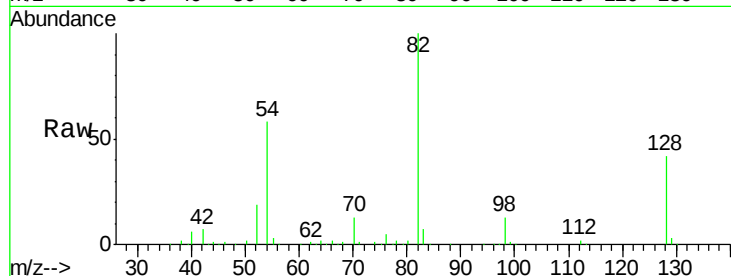




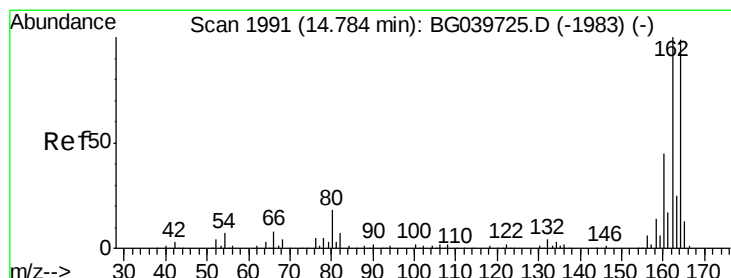
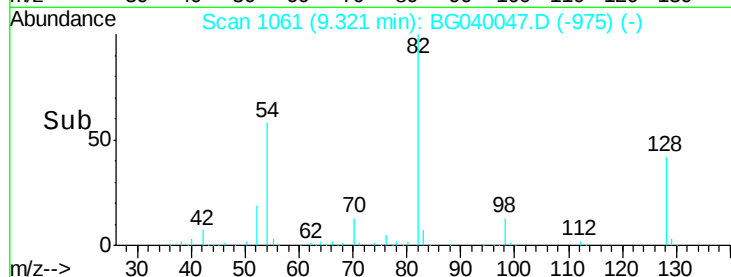
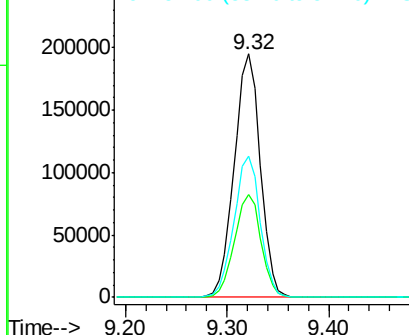
#23
 Nitrobenzene-d5
 Concen: 98.015 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040047.D
 Acq: 20 Mar 2019 22:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 348594
 Ion Ratio Lower Upper
 82 100
 128 42.1 31.3 46.9
 54 58.2 50.9 76.3

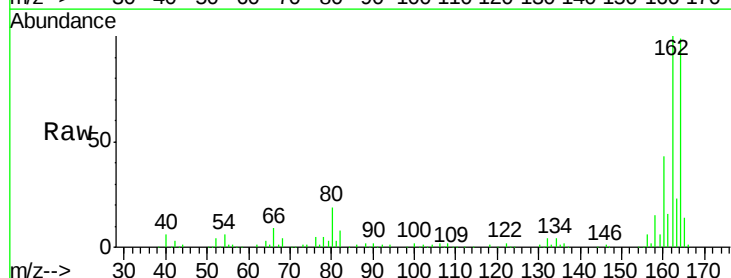


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

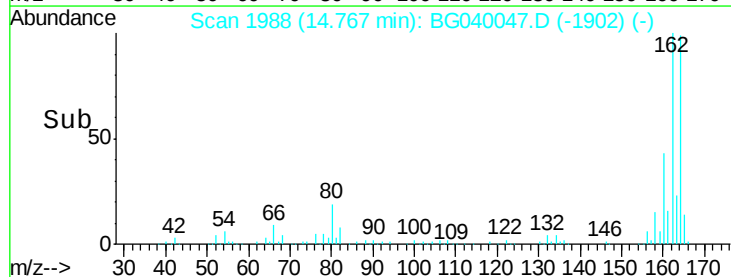
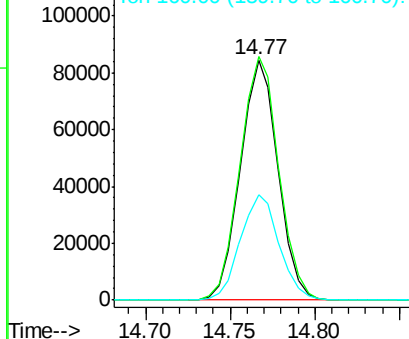


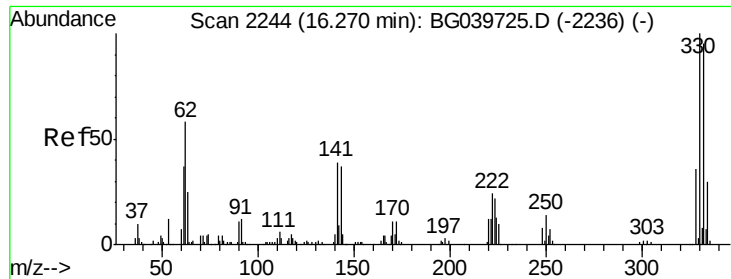
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BG040047.D
 Acq: 20 Mar 2019 22:25

Tgt Ion: 164 Resp: 130324
 Ion Ratio Lower Upper
 164 100
 162 101.3 81.6 122.4
 160 43.7 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

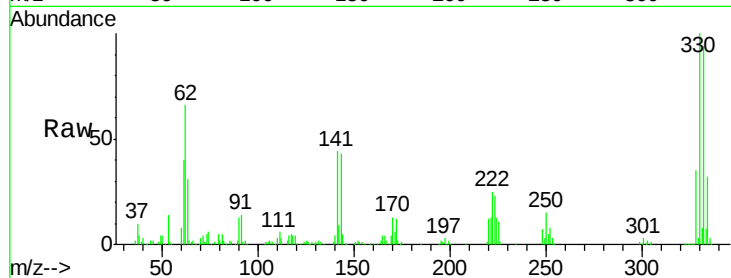




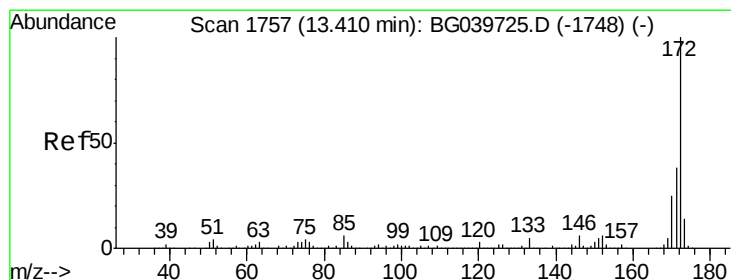
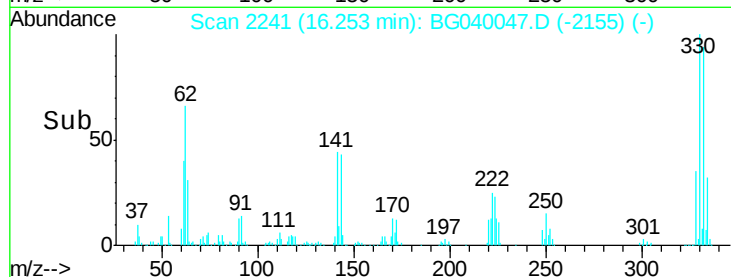
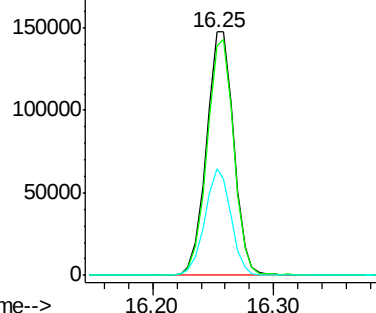
#42
 2,4,6-Tribromophenol
 Concen: 153.169 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040047.D
 Acq: 20 Mar 2019 22:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	75.7	113.5
141	42.0	35.6	53.4

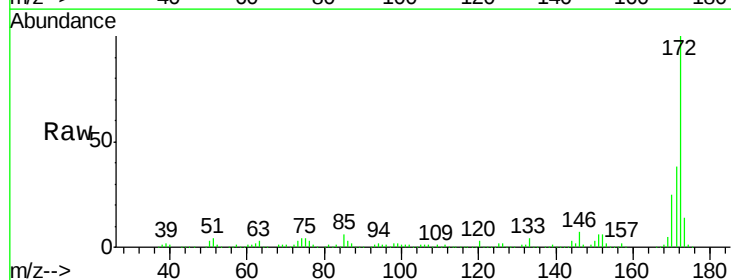


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

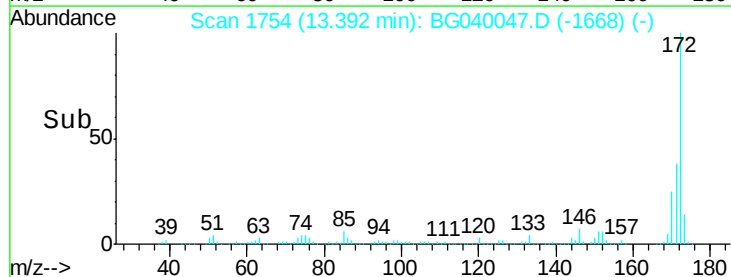
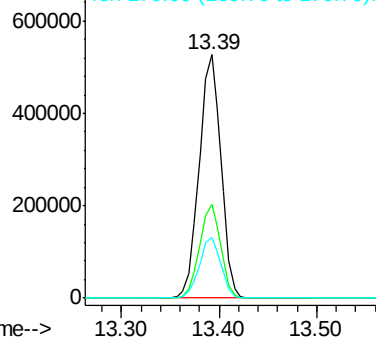


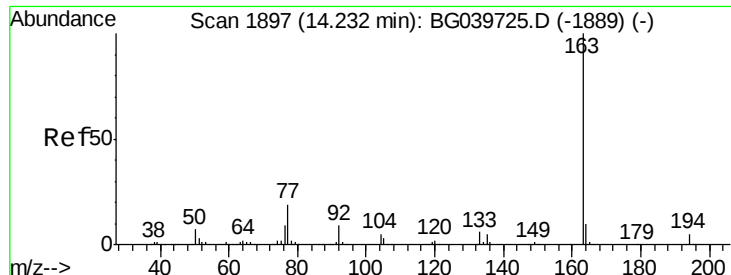
#45
 2-Fluorobiphenyl
 Concen: 88.507 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040047.D
 Acq: 20 Mar 2019 22:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.8	46.2
170	25.0	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





#50

Dimethylphthalate

Concen: 7.470 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.03 min

Lab File: BG040047.D

Acq: 20 Mar 2019 22:25

Instrument :

BNA_G

ClientSampleId :

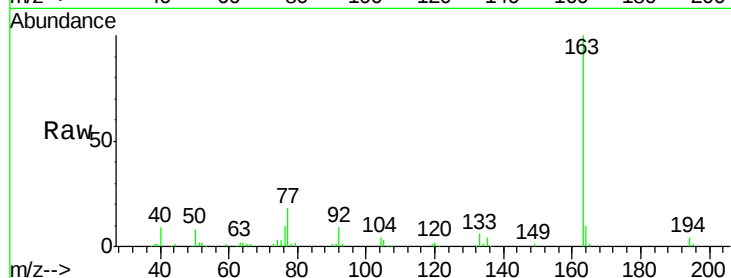
Tot Ion:163 Resp: 81400

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

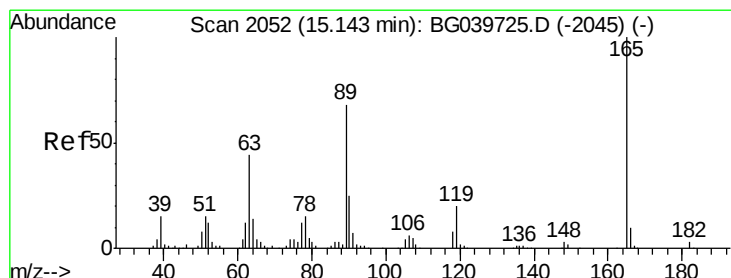
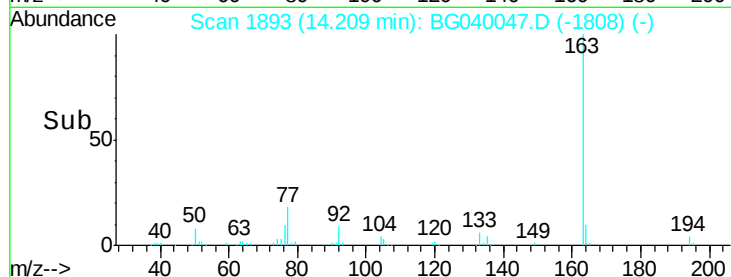
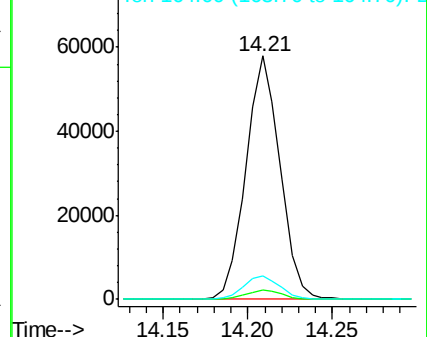
164 9.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.221 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040047.D

Acq: 20 Mar 2019 22:25

Tgt Ion:165 Resp: 16947

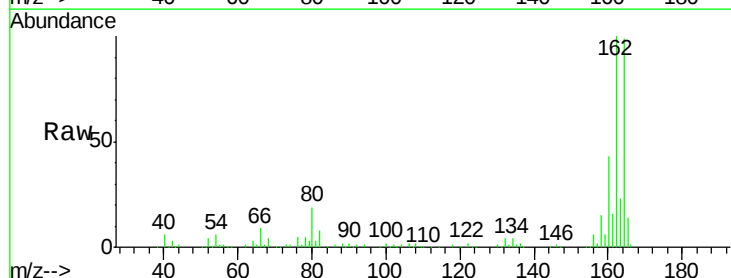
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.4 64.6 96.8#

182 0.0 2.0 3.0#

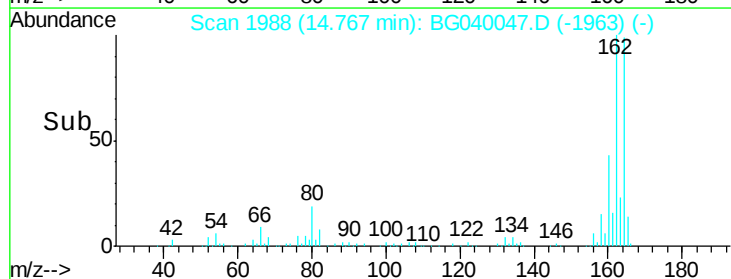
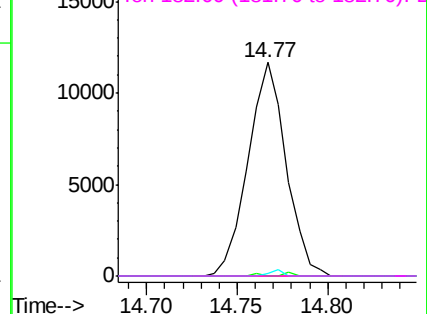


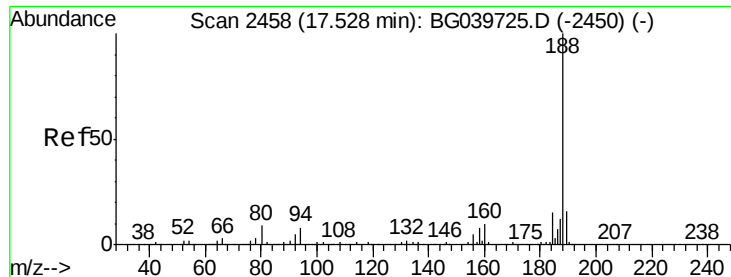
Abundance Ion 165.00 (164.70 to 165.70): E

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

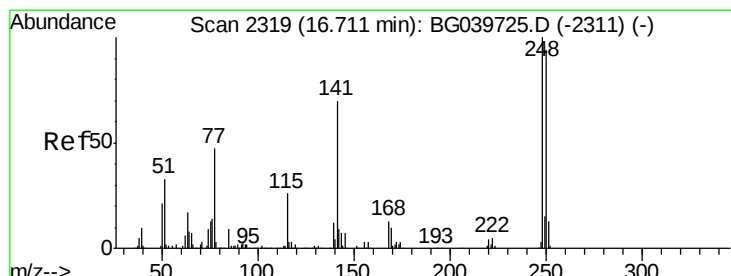
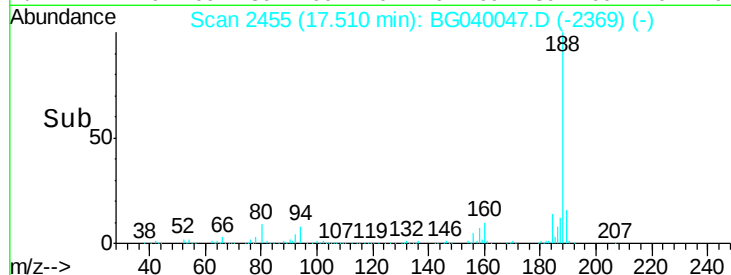
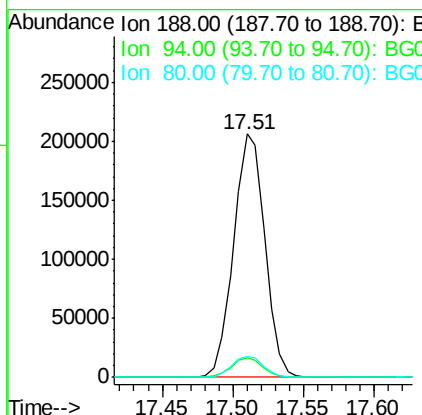
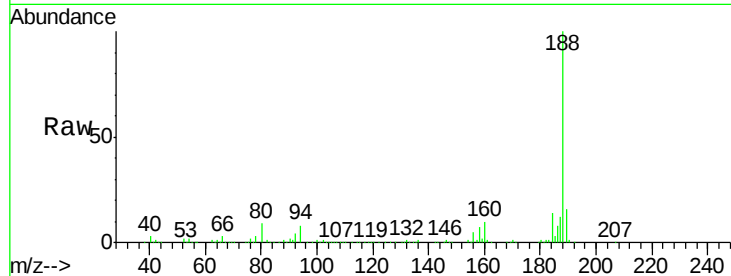




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040047.D
 Acq: 20 Mar 2019 22:25

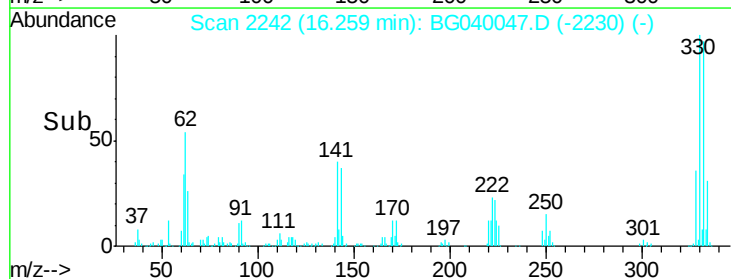
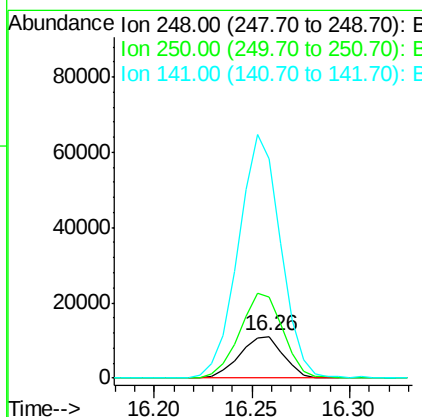
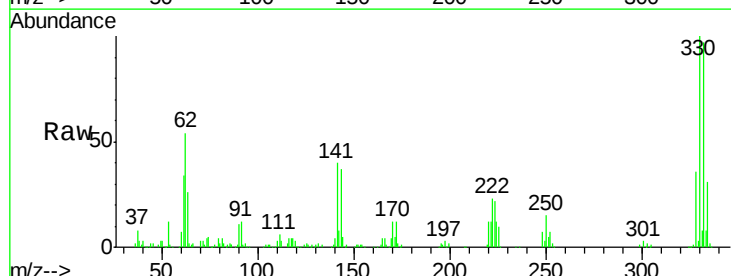
Instrument :
 BNA_G
 ClientSampleId :

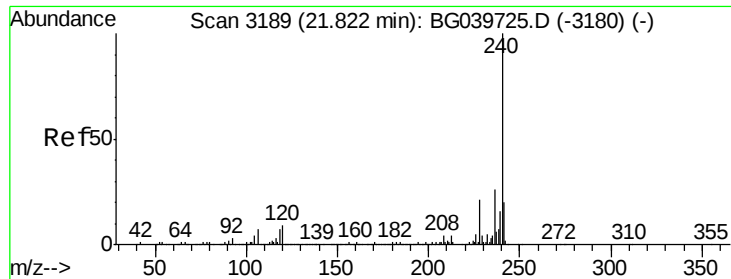
Tot Ion:188 Resp: 317781
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.9 10.3
 80 8.6 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.867 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040047.D
 Acq: 20 Mar 2019 22:25

Tgt Ion:248 Resp: 17313
 Ion Ratio Lower Upper
 248 100
 250 195.8 77.6 116.4#
 141 529.7 63.9 95.9#

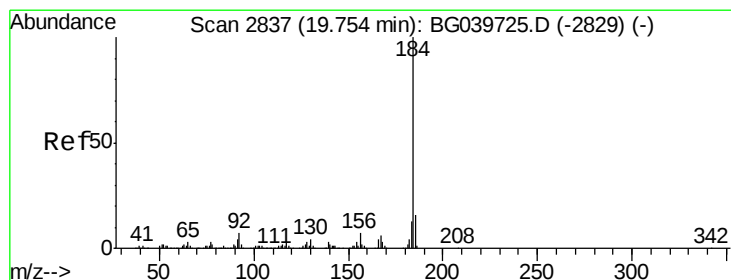
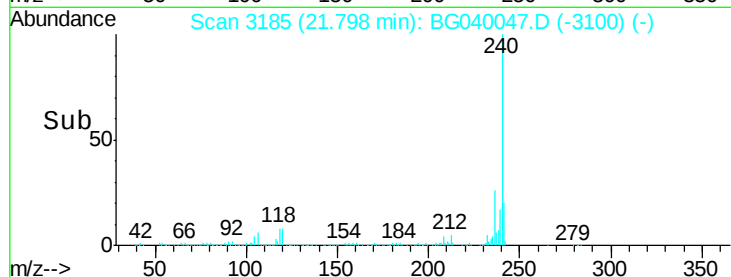
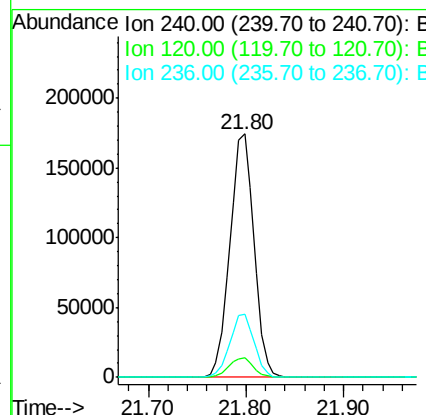
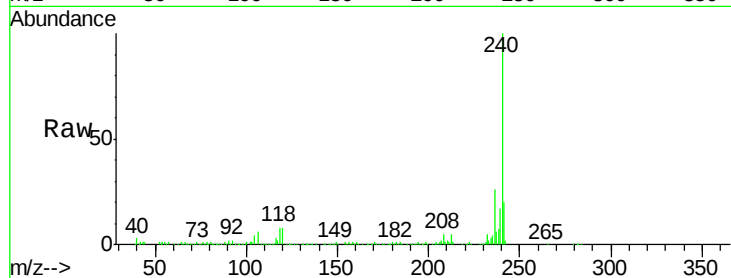




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040047.D
Acq: 20 Mar 2019 22:25

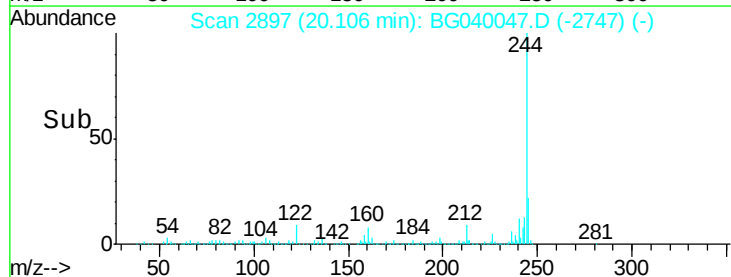
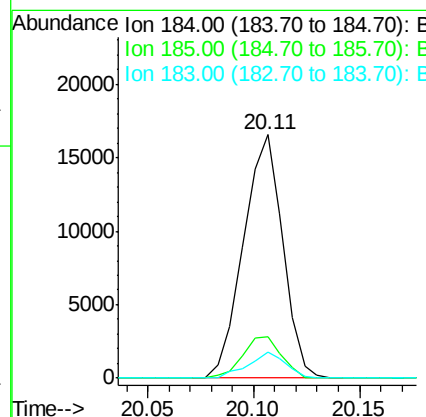
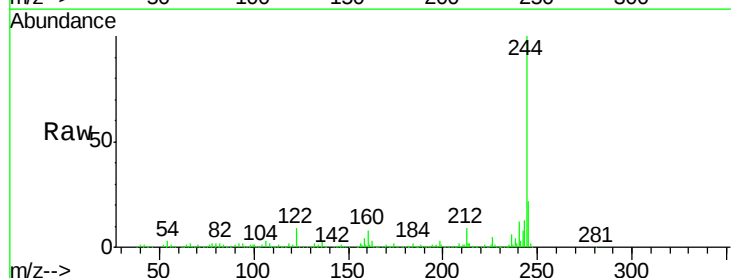
Instrument :
BNA_G
ClientSampleId :

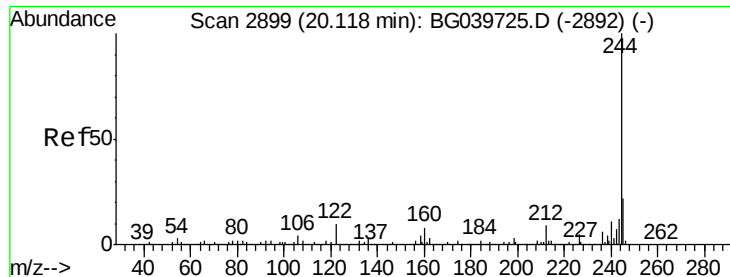
Tot Ion:240 Resp: 297921
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.253 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040047.D
Acq: 20 Mar 2019 22:25

Tgt Ion:184 Resp: 21301
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.2
183 10.6 10.6 15.8





#79

Terphenyl-d14

Concen: 89.637 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040047.D

Acq: 20 Mar 2019 22:25

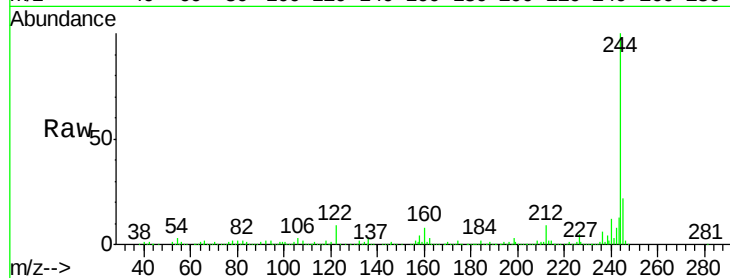
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1212857

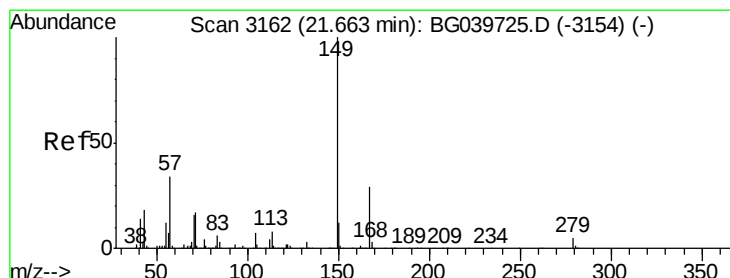
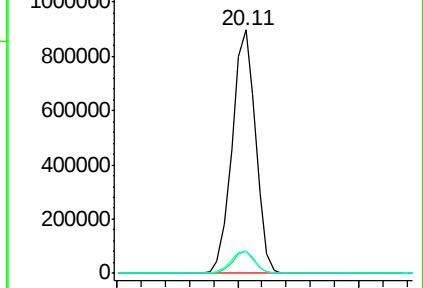
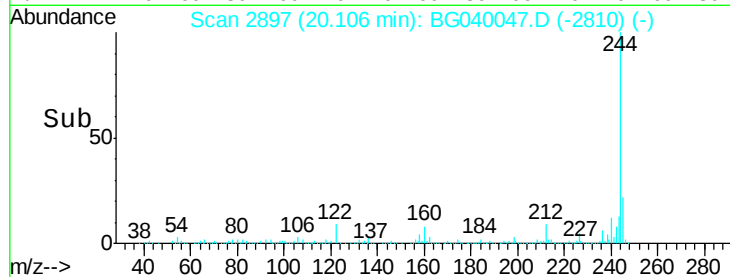
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.3	10.9
122	9.0	8.4	12.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 25.518 ng

RT: 21.64 min Scan# 3158

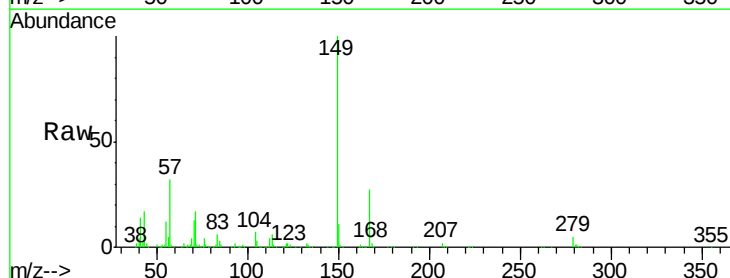
Delta R.T. -0.03 min

Lab File: BG040047.D

Acq: 20 Mar 2019 22:25

Tgt Ion:149 Resp: 268952

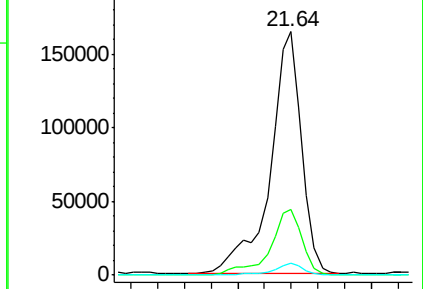
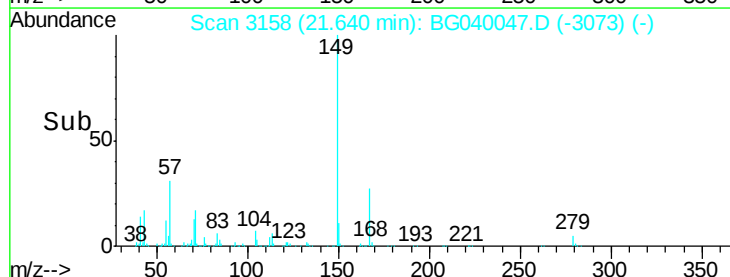
Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.6	34.0
279	4.7	3.5	5.3

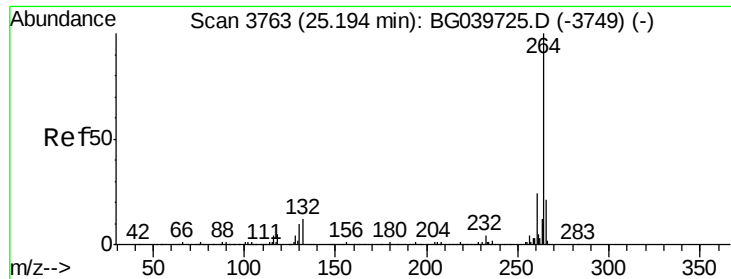


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

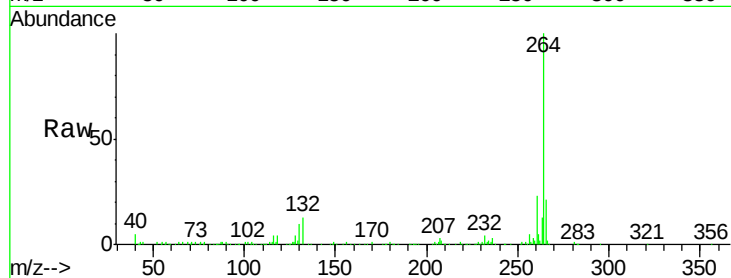




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.15 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040047.D
 Acq: 20 Mar 2019 22:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	21.0	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

