

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040050.D
 Acq On : 21 Mar 2019 00:26
 Operator : JU/SJ
 Sample : K1987-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:30:38 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

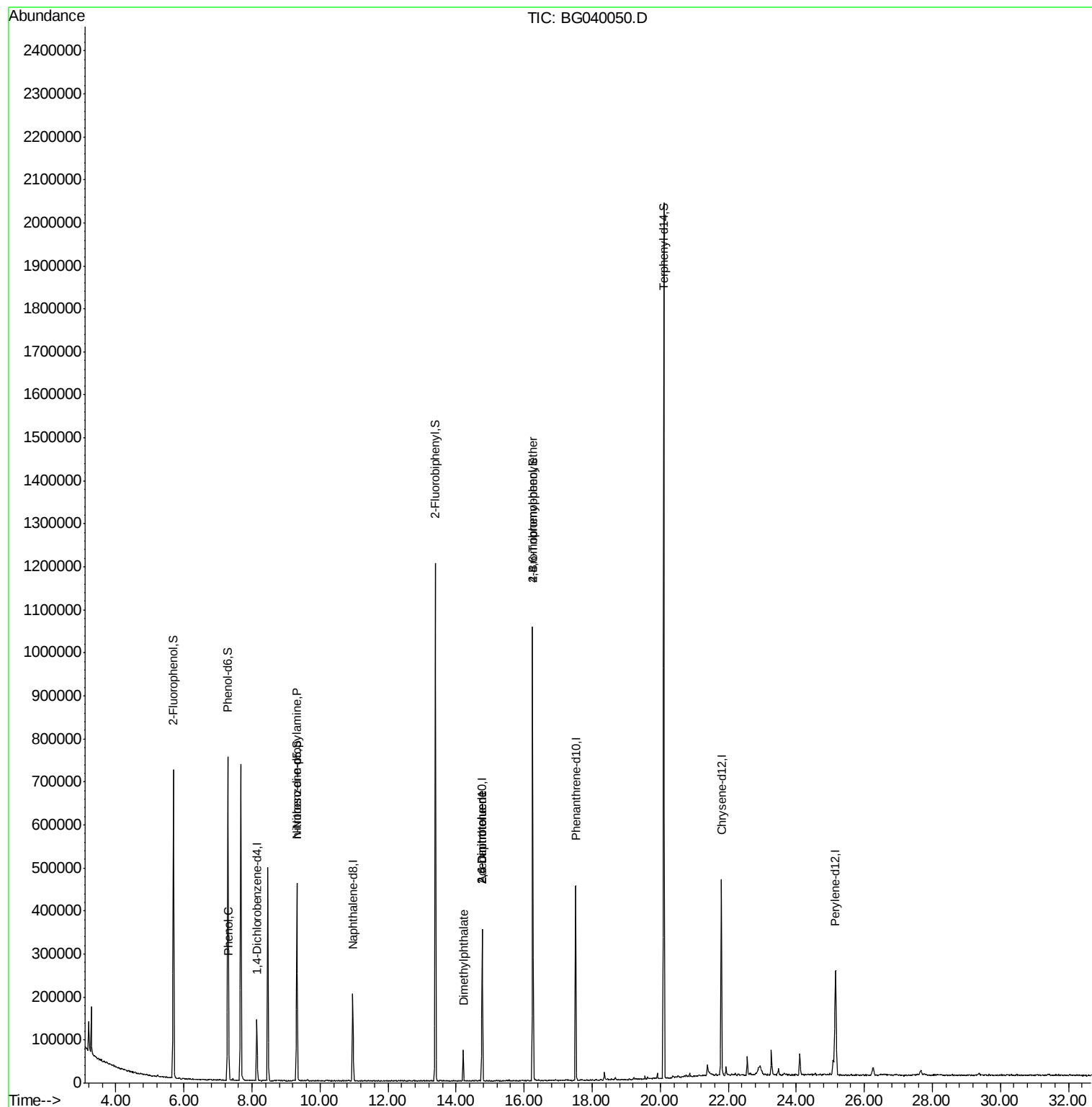
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	39701	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	176488	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	120959	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	287843	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	278180	20.00	ng	-0.03
87) Perylene-d12	25.16	264	279267	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	299855	128.85	ng	-0.02
7) Phenol-d6	7.29	99	437464	126.07	ng	-0.02
23) Nitrobenzene-d5	9.32	82	267576	82.00	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	177447	125.86	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	635791	74.84	ng	-0.03
79) Terphenyl-d14	20.11	244	926982	73.37	ng	-0.02
Target Compounds						
10) Phenol	7.32	94	26132	6.952	ng	94
19) n-Nitroso-di-n-propylamine	9.32	70	34715	13.900	ng	# 67
50) Dimethylphthalate	14.21	163	51296	5.072	ng	# 97
51) 2,6-Dinitrotoluene	14.77	165	15828	7.382	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	15828	5.253	ng	# 18
67) 4-Bromophenyl-phenylether	16.25	248	13684	4.247	ng	# 1

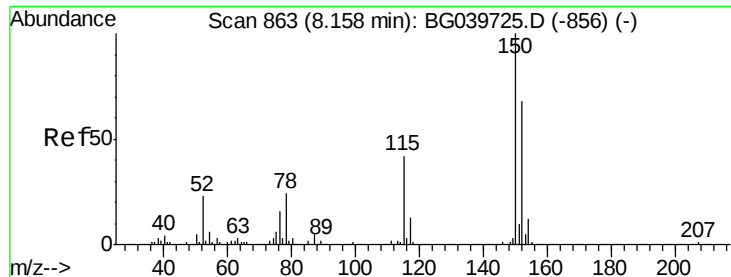
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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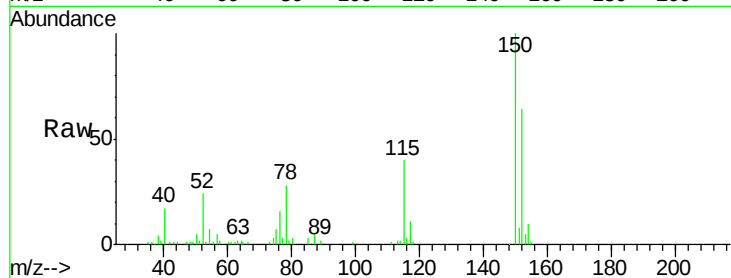


#1

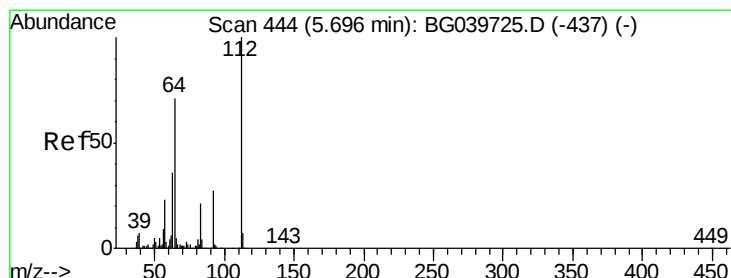
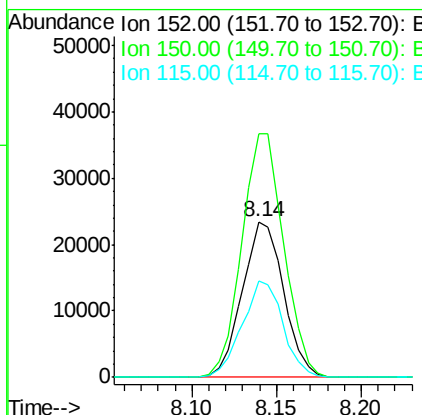
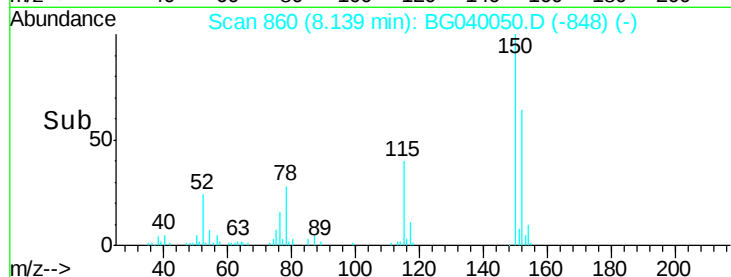
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040050.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.7	185.5
115	62.4	45.9	68.9



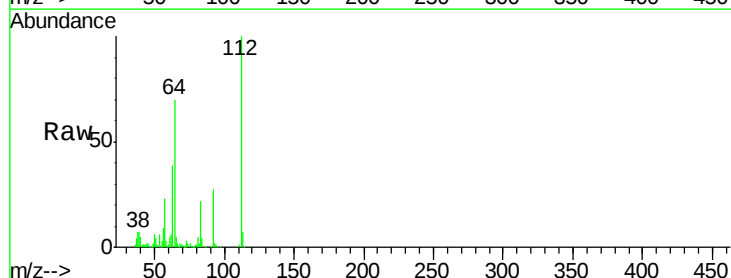
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



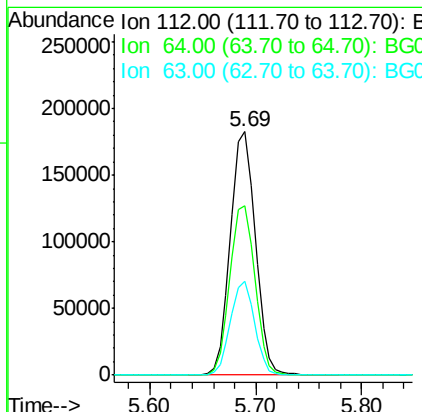
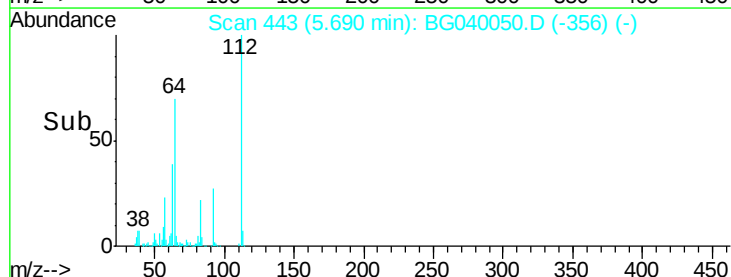
#5

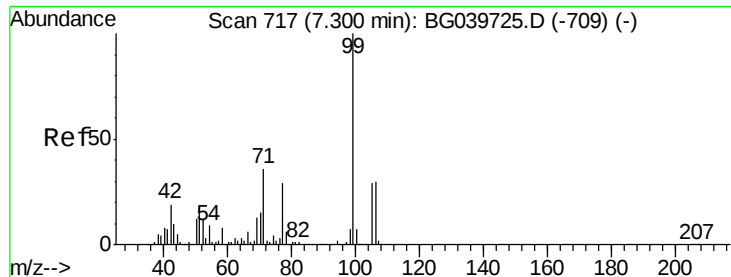
2-Fluorophenol
Concen: 128.852 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG040050.D
Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	57.8	86.8
63	38.7	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: 126.075 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040050.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

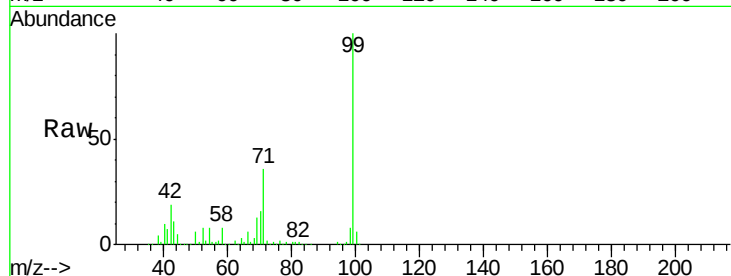
Tot Ion: 99 Resp: 437464

Ion Ratio Lower Upper

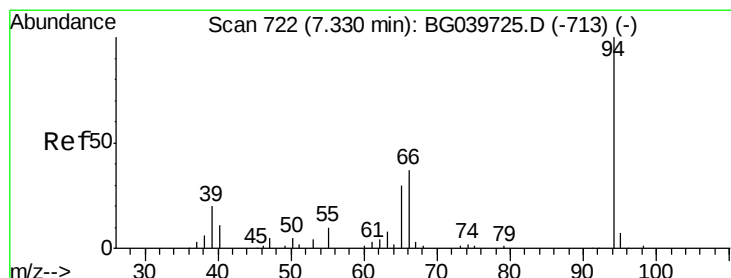
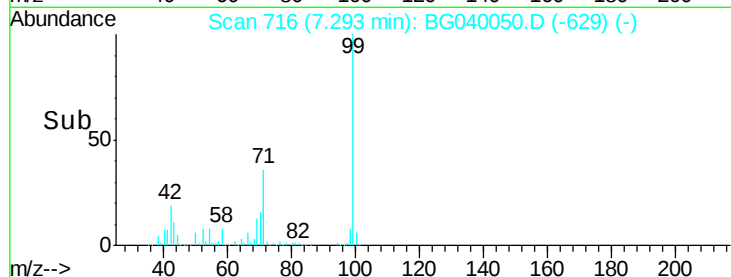
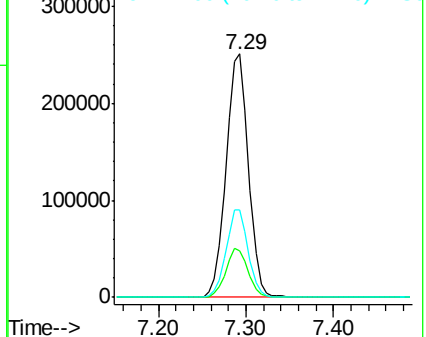
99 100

42 19.2 18.2 27.2

71 36.0 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: 6.952 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG040050.D

Acq: 21 Mar 2019 00:26

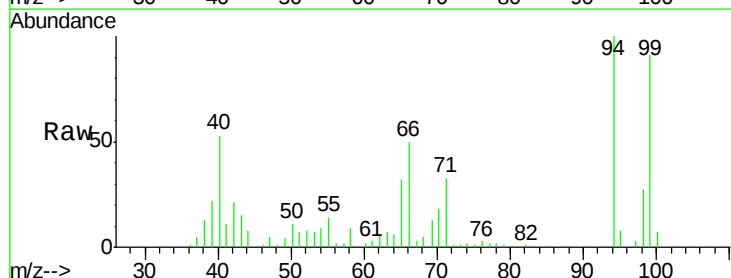
Tgt Ion: 94 Resp: 26132

Ion Ratio Lower Upper

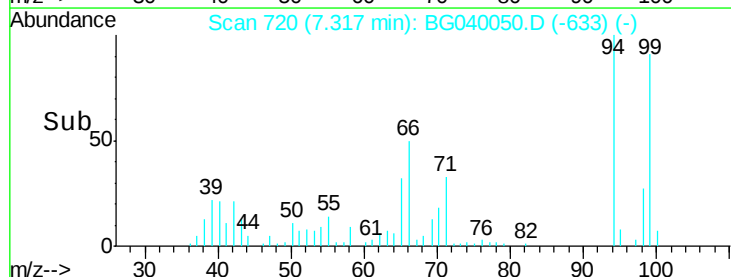
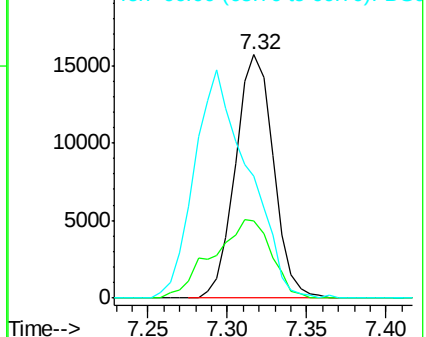
94 100

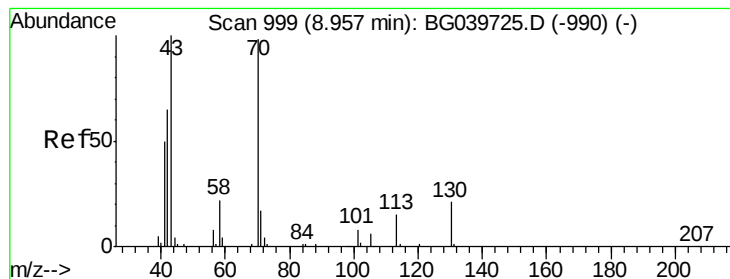
65 31.9 11.7 51.7

66 50.1 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: 13.900 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040050.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 34715

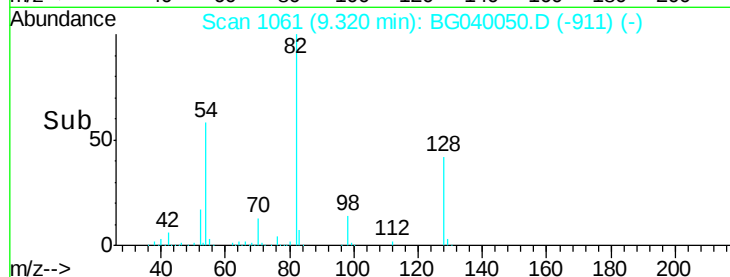
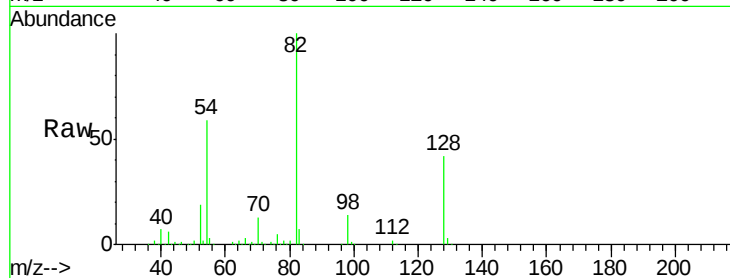
Ion Ratio Lower Upper

70 100

42 48.6 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#

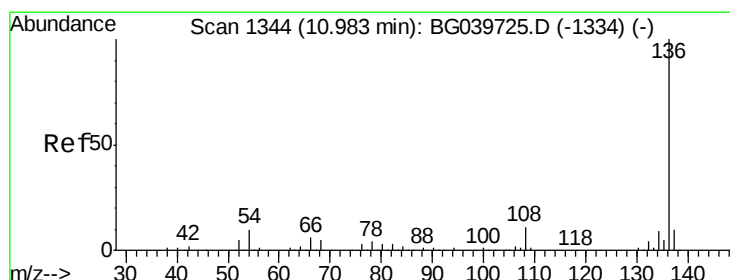
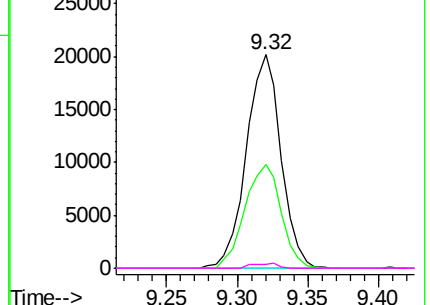


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.96 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BG040050.D

Acq: 21 Mar 2019 00:26

Tgt Ion: 136 Resp: 176488

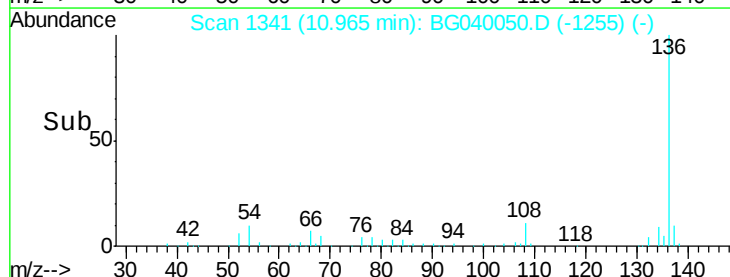
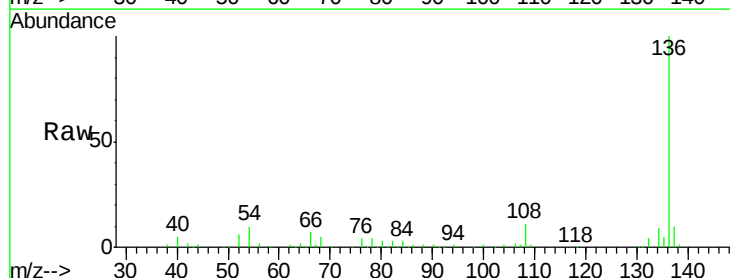
Ion Ratio Lower Upper

136 100

137 9.7 9.1 13.7

54 10.5 9.4 14.2

68 5.4 4.2 6.4

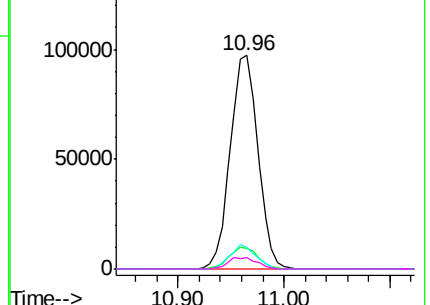


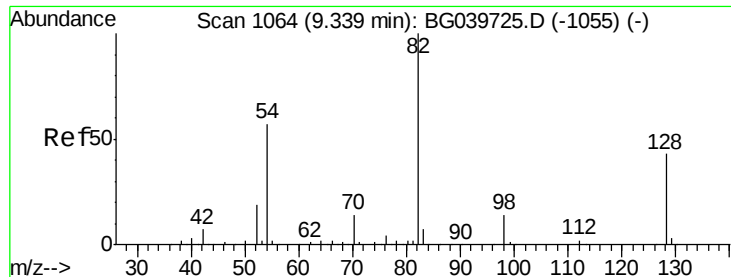
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

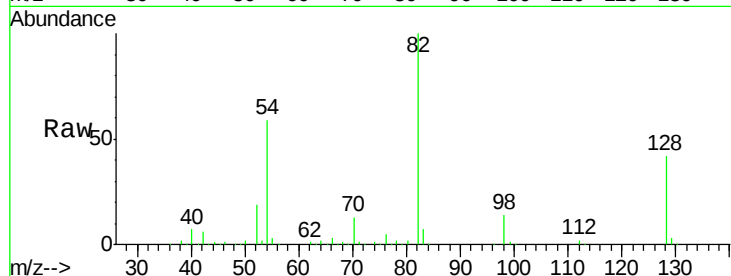




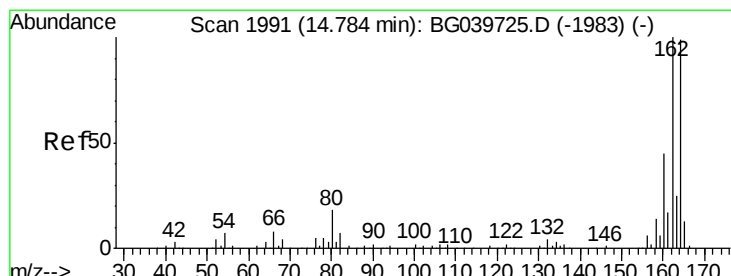
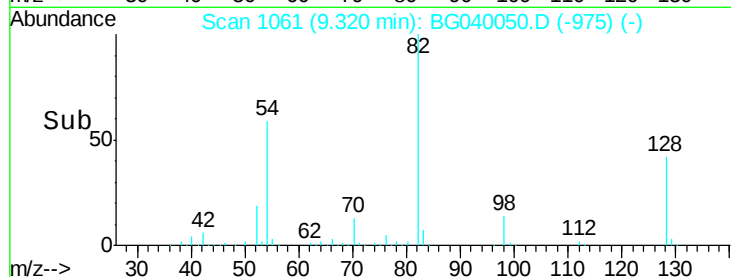
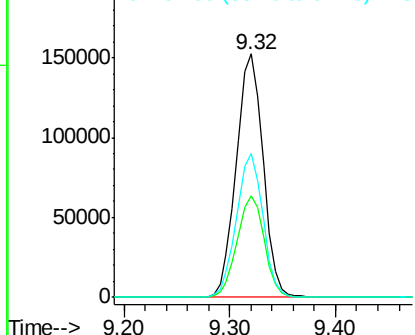
#23
Nitrobenzene-d5
Concen: 81.998 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BG040050.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 267576
Ion Ratio Lower Upper
82 100
128 41.9 31.3 46.9
54 58.8 50.9 76.3

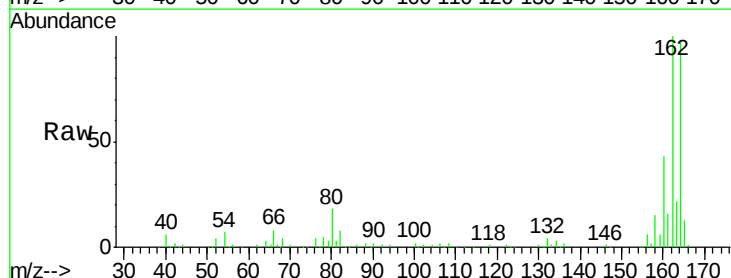


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

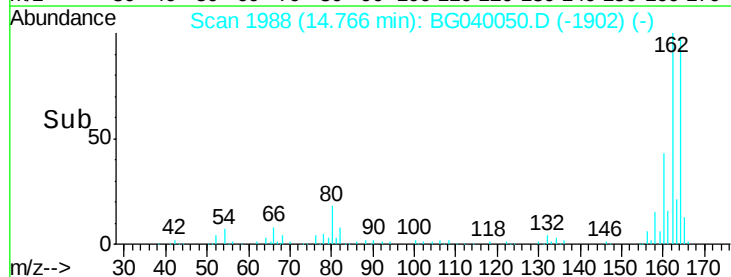
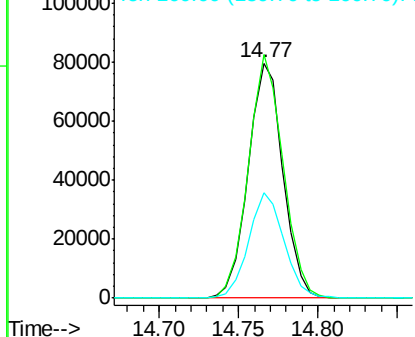


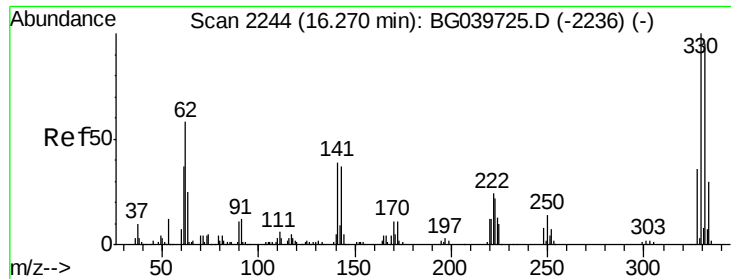
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.03 min
Lab File: BG040050.D
Acq: 21 Mar 2019 00:26

Tgt Ion:164 Resp: 120959
Ion Ratio Lower Upper
164 100
162 103.5 81.6 122.4
160 44.7 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: 125.861 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040050.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

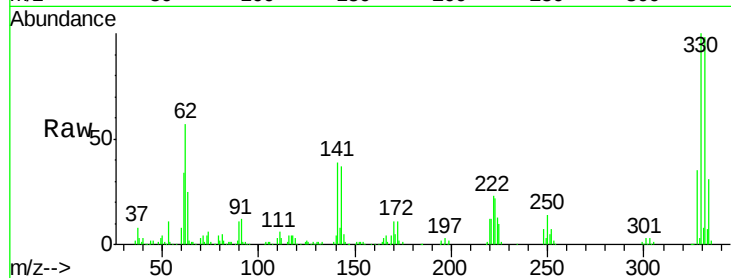
Tot Ion:330 Resp: 177447

Ion Ratio Lower Upper

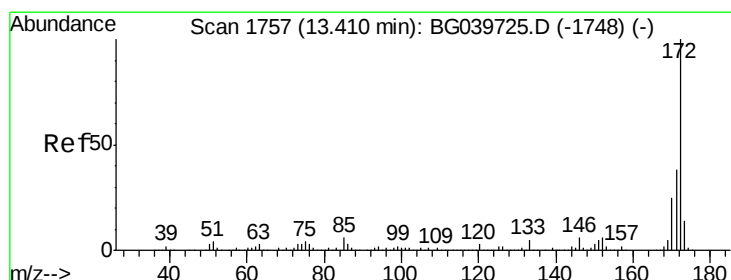
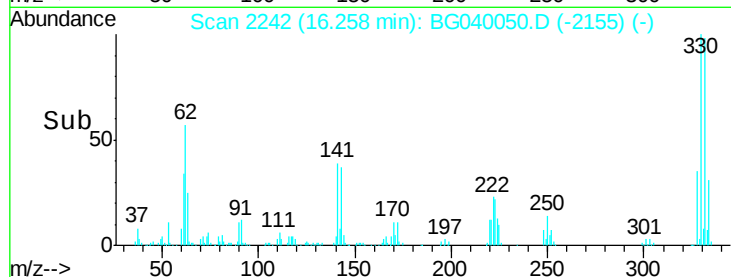
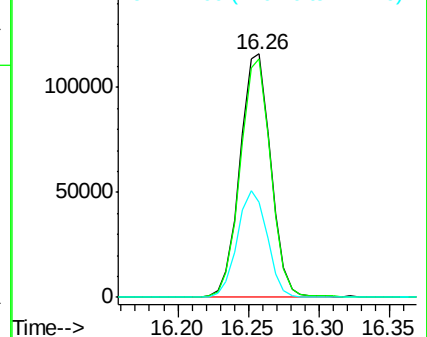
330 100

332 96.7 75.7 113.5

141 42.6 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: 74.840 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.03 min

Lab File: BG040050.D

Acq: 21 Mar 2019 00:26

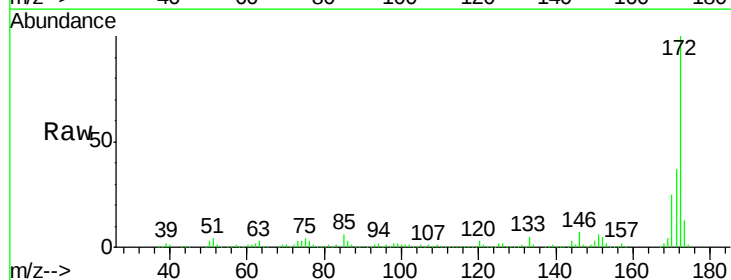
Tgt Ion:172 Resp: 635791

Ion Ratio Lower Upper

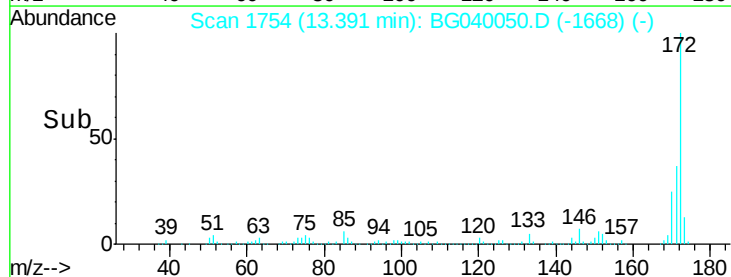
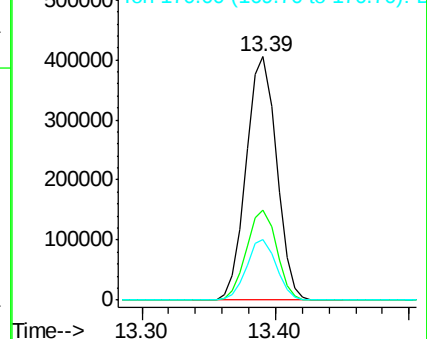
172 100

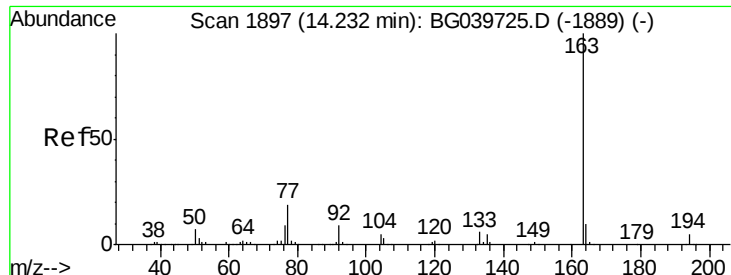
171 36.9 30.8 46.2

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

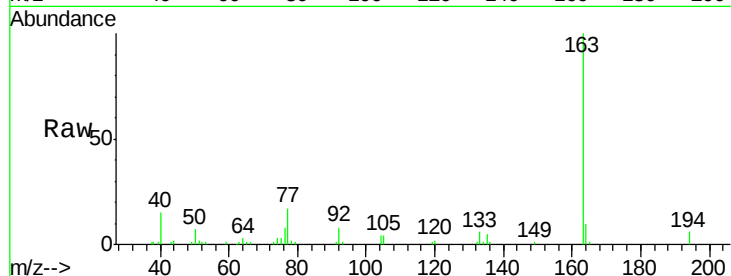




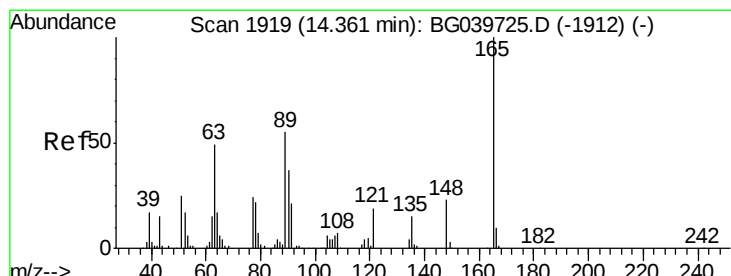
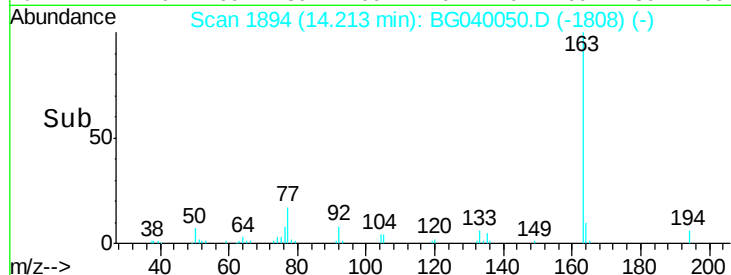
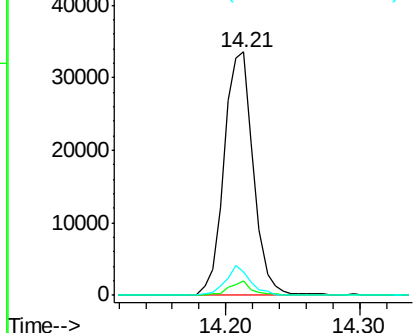
#50
Dimethylphthalate
Concen: 5.072 ng
RT: 14.21 min Scan# 1894
Delta R.T. -0.03 min
Lab File: BG040050.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 51296
Ion Ratio Lower Upper
163 100
194 5.7 3.6 5.4#
164 9.5 8.4 12.6

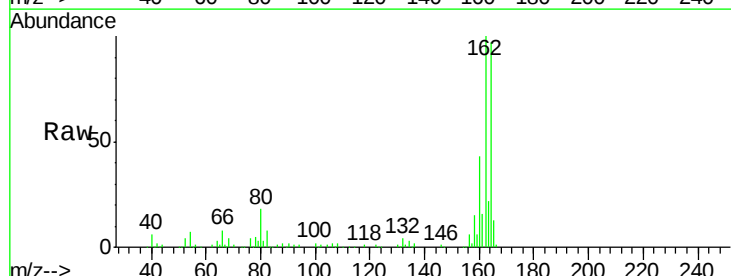


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

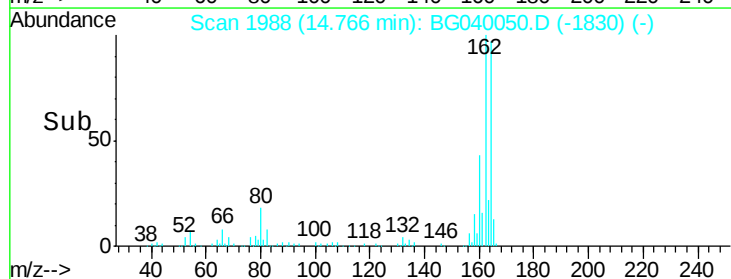
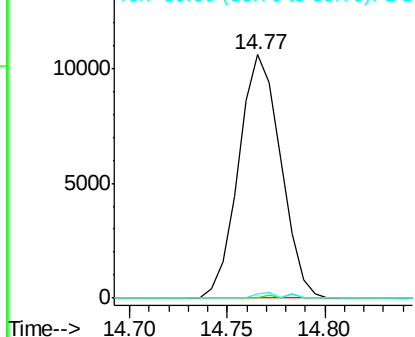


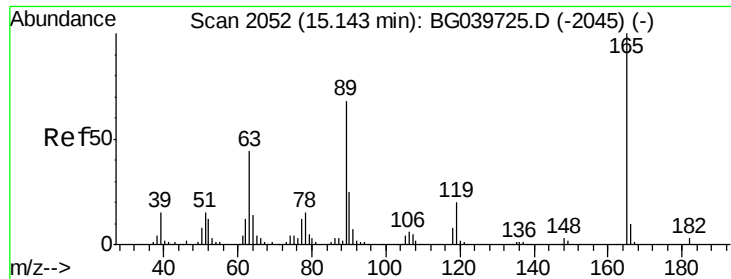
#51
2,6-Dinitrotoluene
Concen: 7.382 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040050.D
Acq: 21 Mar 2019 00:26

Tgt Ion:165 Resp: 15828
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 1.7 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

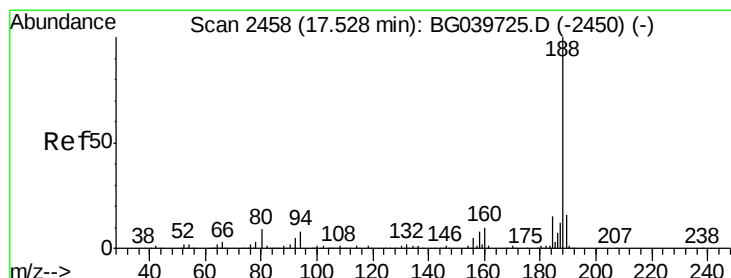
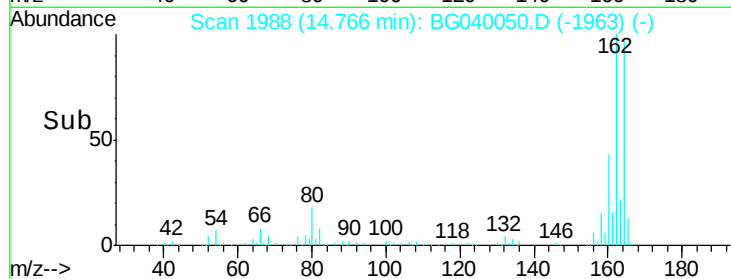
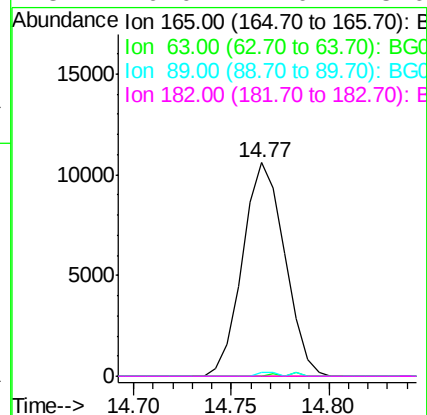
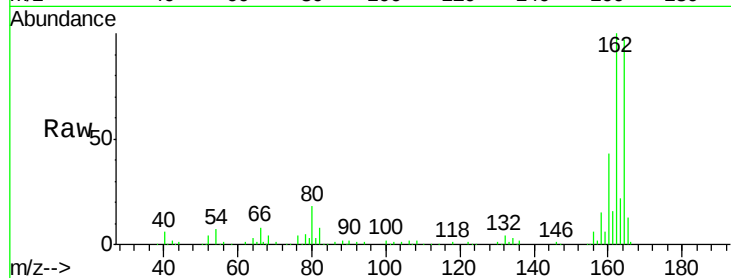




#57
 2,4-Dinitrotoluene
 Concen: 5.253 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040050.D
 Acq: 21 Mar 2019 00:26

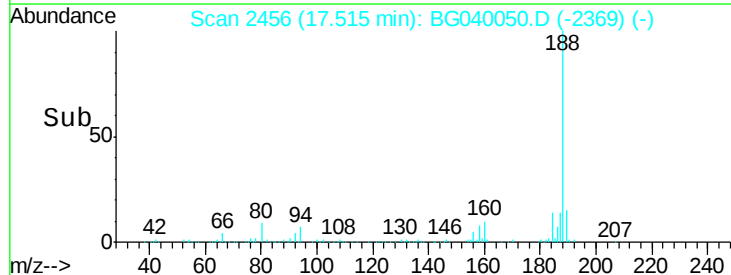
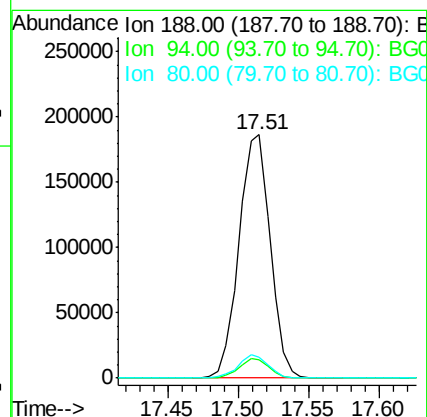
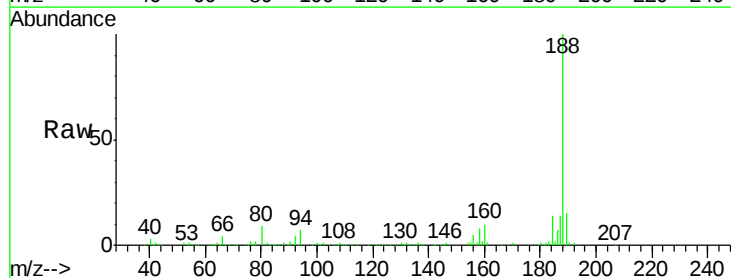
Instrument :
 BNA_G
 ClientSampleId :

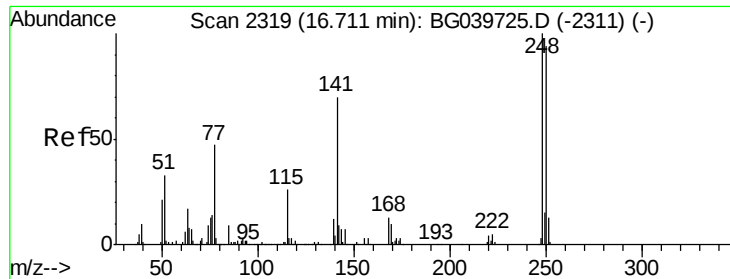
Tot Ion:165	Resp:	15828
Ion Ratio	Lower	Upper
165	100	
63	0.0	41.0 61.6#
89	1.7	64.6 96.8#
182	0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040050.D
 Acq: 21 Mar 2019 00:26

Tgt Ion:188	Resp:	287843
Ion Ratio	Lower	Upper
188	100	
94	7.4	6.9 10.3
80	8.6	8.1 12.1

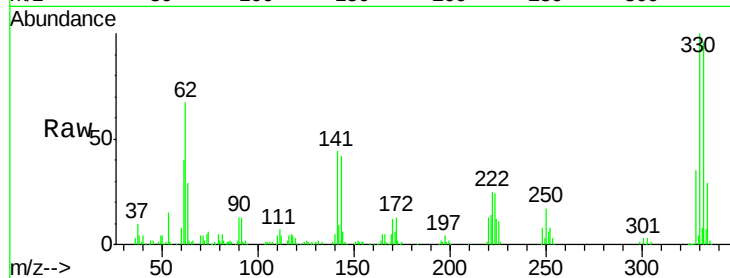




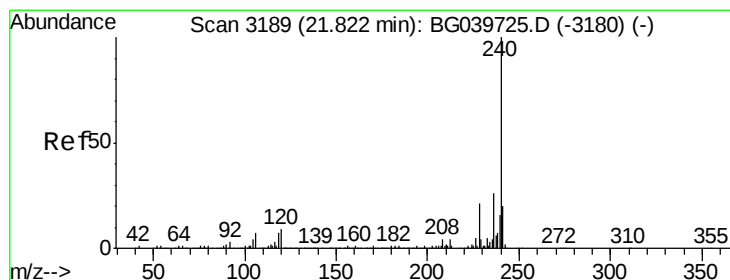
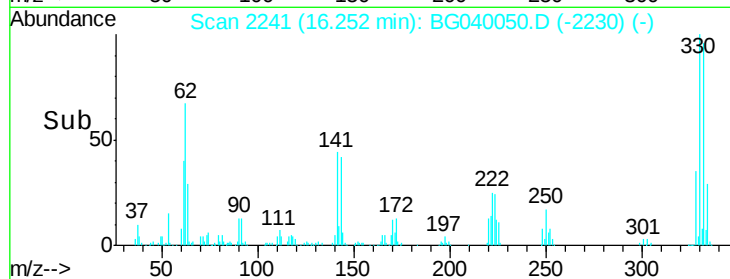
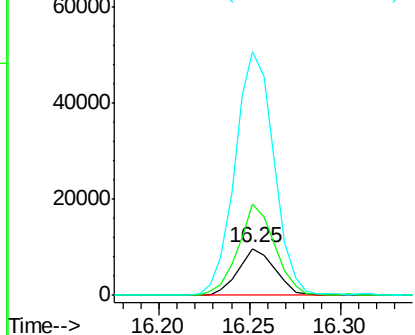
#67
 4-Bromophenyl-phenylether
 Concen: 4.247 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.47 min
 Lab File: BG040050.D
 Acq: 21 Mar 2019 00:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13684
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.6 116.4#
 141 523.7 63.9 95.9#

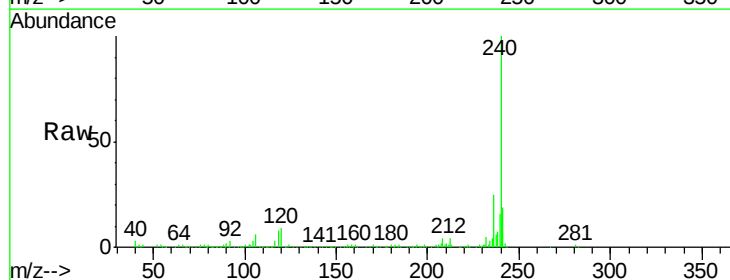


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

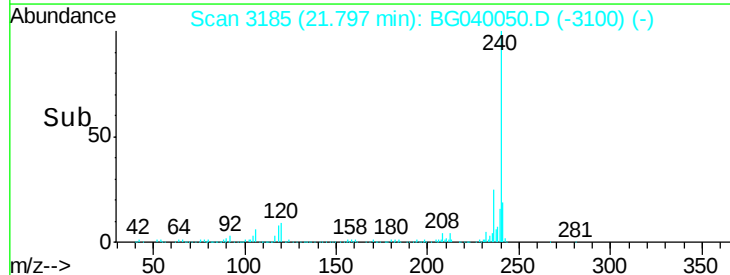
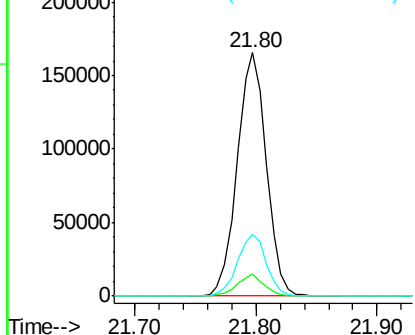


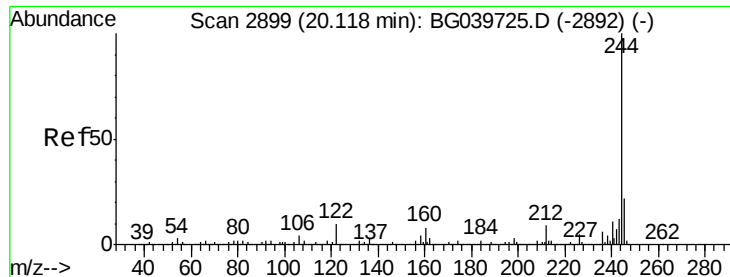
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040050.D
 Acq: 21 Mar 2019 00:26

Tgt Ion:240 Resp: 278180
 Ion Ratio Lower Upper
 240 100
 120 8.9 7.0 10.6
 236 25.5 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





#79

Terphenyl-d14

Concen: 73.371 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040050.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

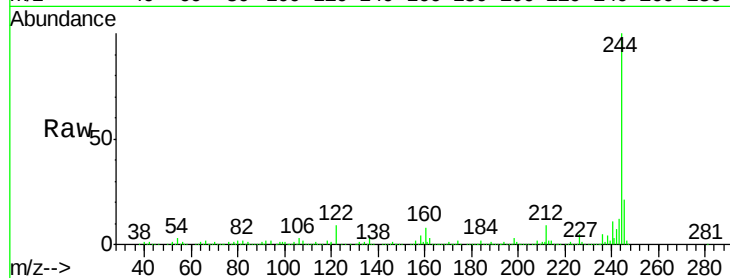
Tot Ion:244 Resp: 926982

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

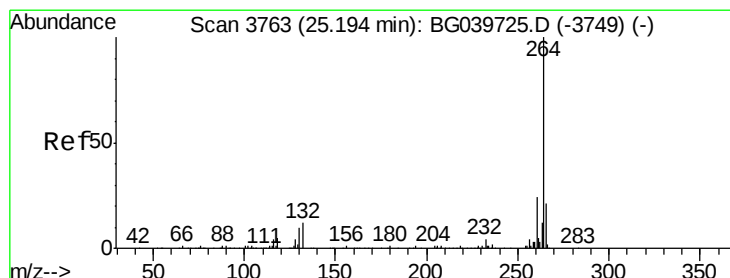
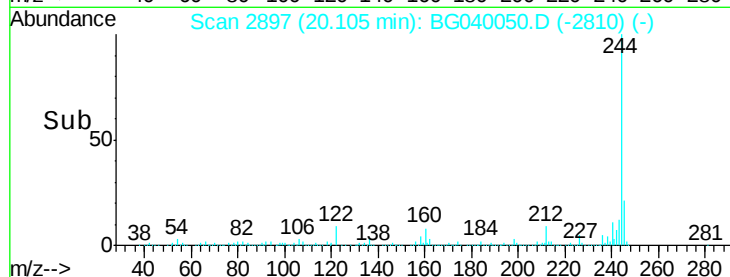
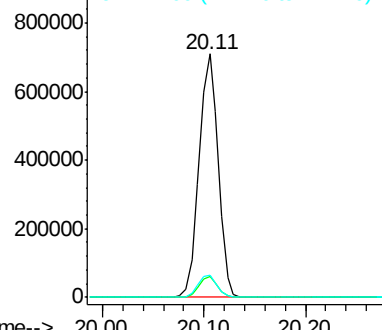
122 9.0 8.4 12.6



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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040050.D

Acq: 21 Mar 2019 00:26

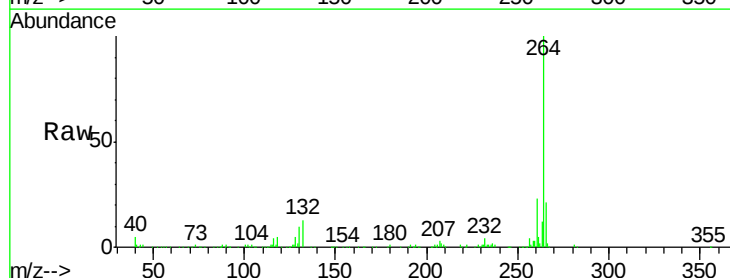
Tgt Ion:264 Resp: 279267

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 20.8 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

