

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031519\
 Data File : BG039940.D
 Acq On : 15 Mar 2019 14:12
 Operator : JU/SJ
 Sample : K1926-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SUMP-MUCK

Quant Time: Mar 16 04:06:23 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

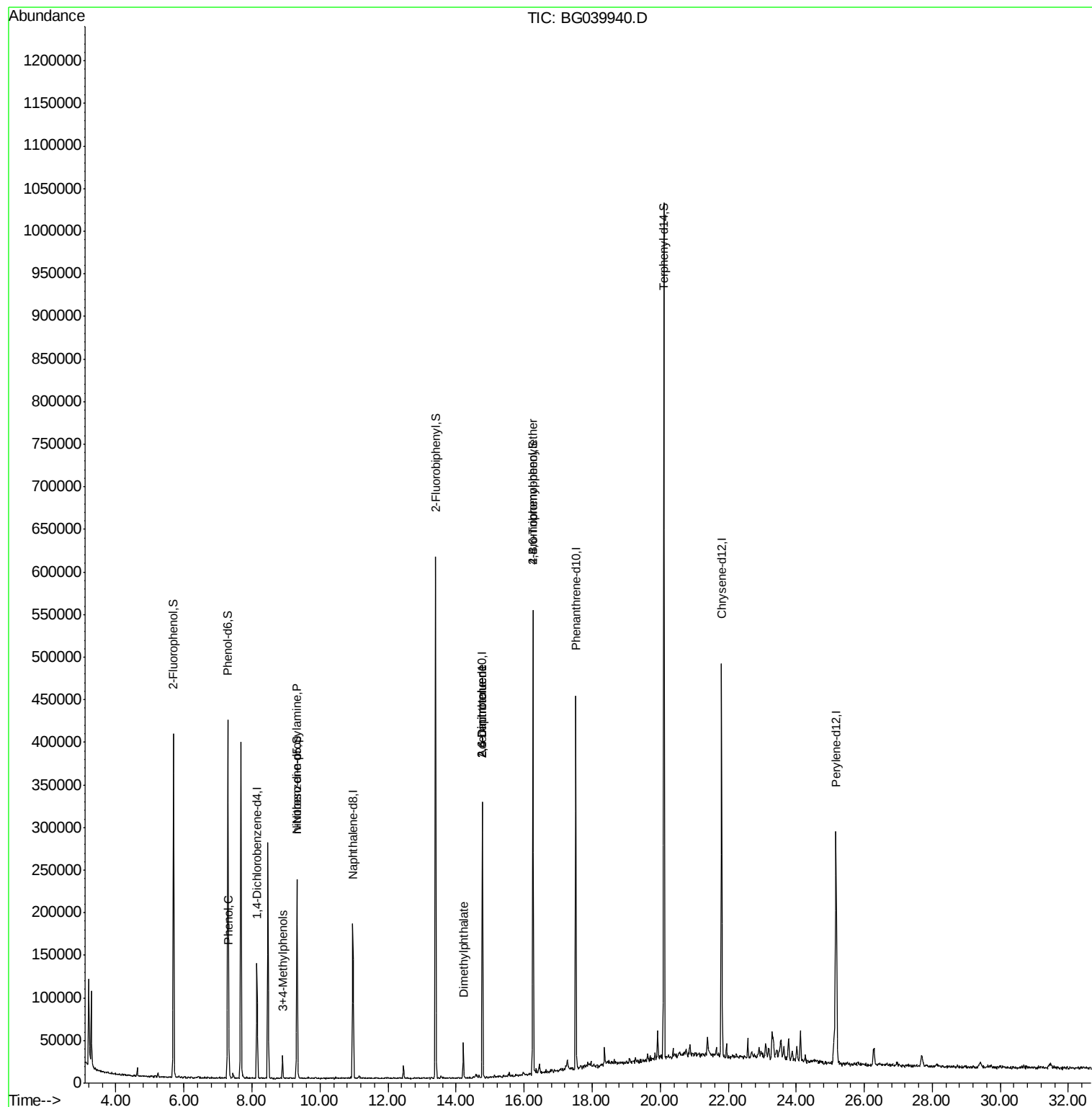
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36296	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	158083	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	113442	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	271131	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	287633	20.00	ng	-0.02
87) Perylene-d12	25.17	264	302881	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	162883	76.56	ng	-0.02
7) Phenol-d6	7.29	99	241262	76.05	ng	-0.02
23) Nitrobenzene-d5	9.33	82	139790	47.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	89319	67.55	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	323469	40.60	ng	-0.02
79) Terphenyl-d14	20.11	244	478771	36.65	ng	-0.01
Target Compounds						
10) Phenol	7.32	94	15350	4.467	ng	Qvalue 97
19) n-Nitroso-di-n-propylamine	9.33	70	18150	7.949	ng	# 67
20) 3+4-Methylphenols	8.90	107	12187	4.003	ng	87
50) Dimethylphthalate	14.21	163	25805	2.720	ng	99
51) 2,6-Dinitrotoluene	14.77	165	14336	7.129	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	14336	5.074	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	7276	2.397	ng	# 1

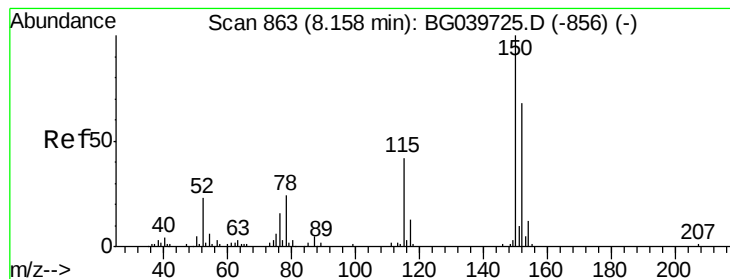
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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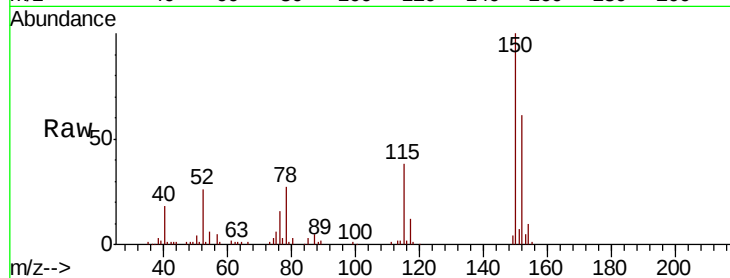




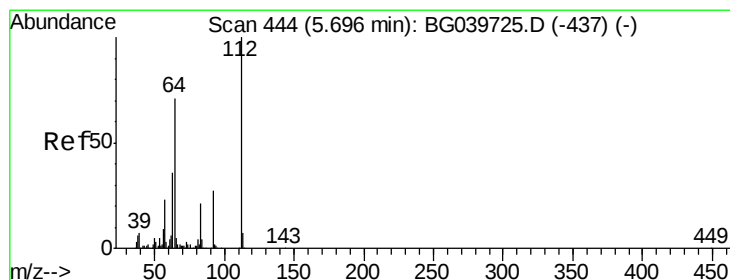
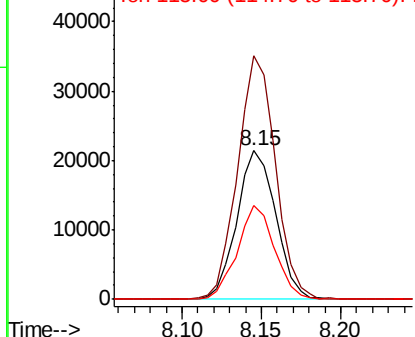
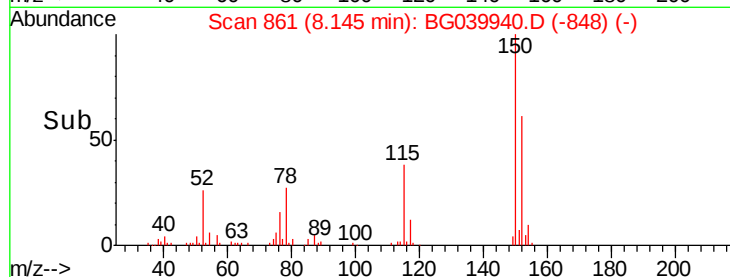
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BG039940.D
 Acq: 15 Mar 2019 14:12

Instrument :
 BNA_G
 ClientSampleId :
 SUMP-MUCK

Tgt Ion:152 Resp: 36296
 Ion Ratio Lower Upper
 152 100
 150 163.7 123.7 185.5
 115 62.9 45.9 68.9

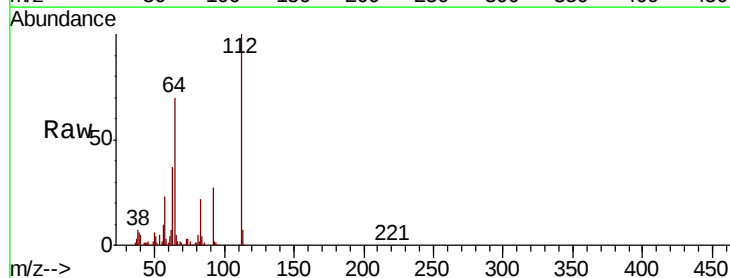


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

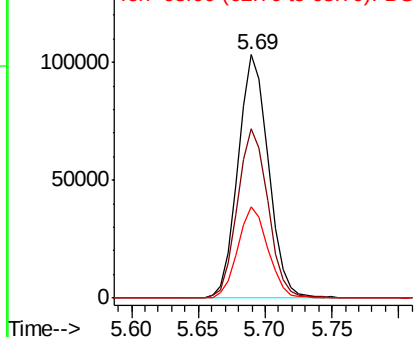
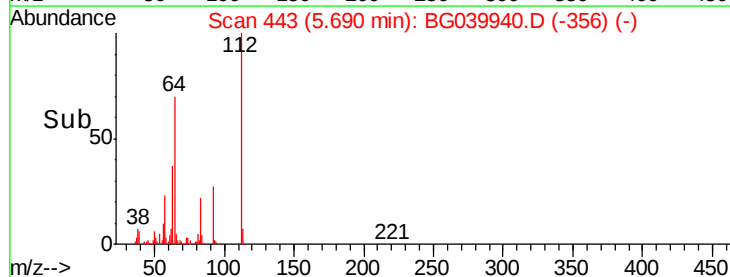


#5
 2-Fluorophenol
 Concen: 76.559 ng
 RT: 5.69 min Scan# 443
 Delta R.T. -0.02 min
 Lab File: BG039940.D
 Acq: 15 Mar 2019 14:12

Tgt Ion:112 Resp: 162883
 Ion Ratio Lower Upper
 112 100
 64 69.6 57.8 86.8
 63 37.3 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: 76.053 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039940.D

Acq: 15 Mar 2019 14:12

Instrument :

BNA_G

ClientSampleId :

SUMP-MUCK

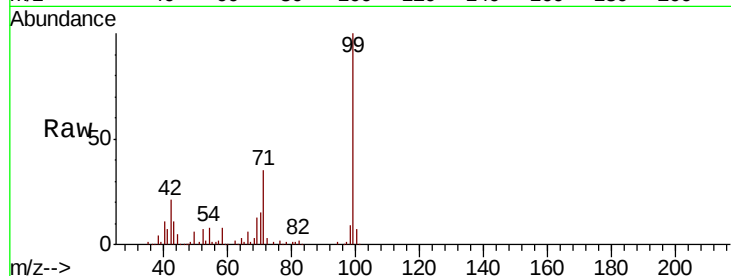
Tgt Ion: 99 Resp: 241262

Ion Ratio Lower Upper

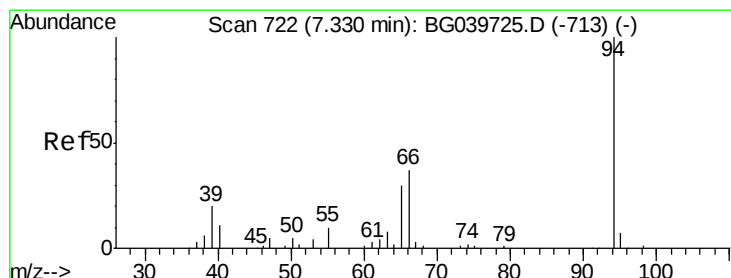
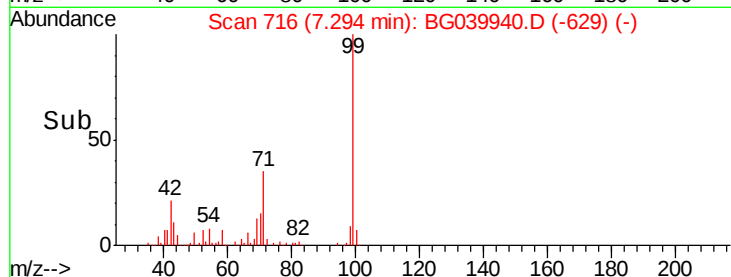
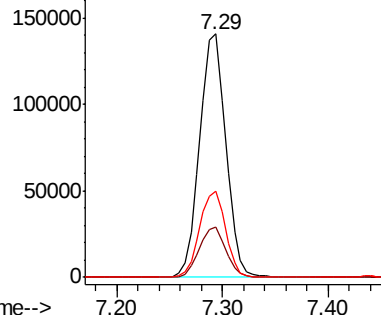
99 100

42 20.6 18.2 27.2

71 35.4 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



#10

Phenol

Concen: 4.467 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG039940.D

Acq: 15 Mar 2019 14:12

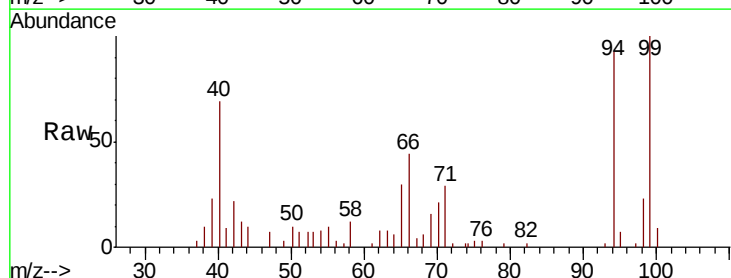
Tgt Ion: 94 Resp: 15350

Ion Ratio Lower Upper

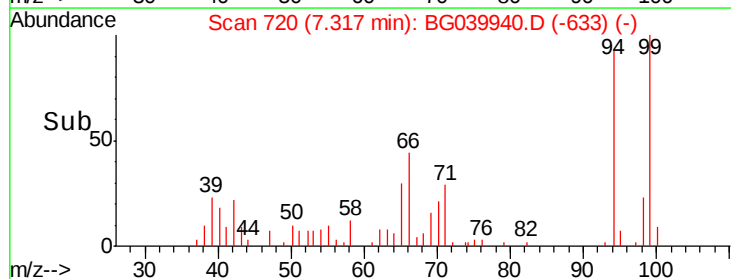
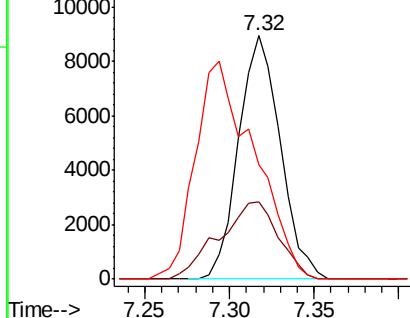
94 100

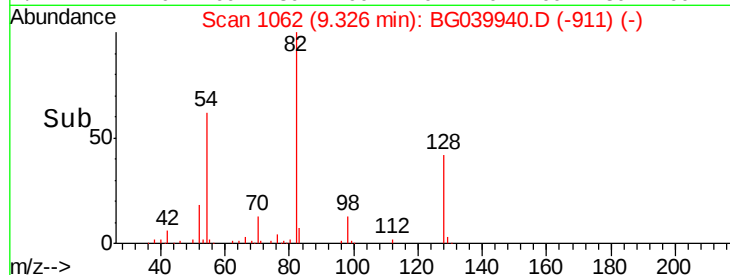
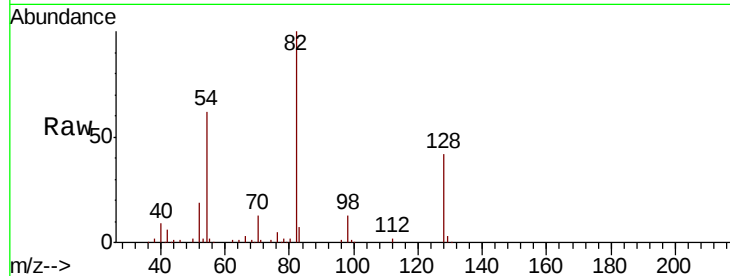
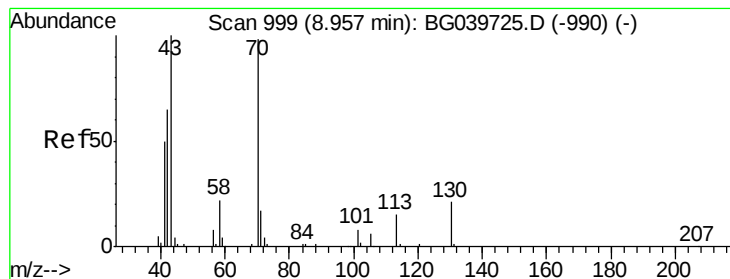
65 31.7 11.7 51.7

66 46.8 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: 7.949 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039940.D

Acq: 15 Mar 2019 14:12

Instrument :

BNA_G

ClientSampleId :

SUMP-MUCK

Tgt Ion: 70 Resp: 18150

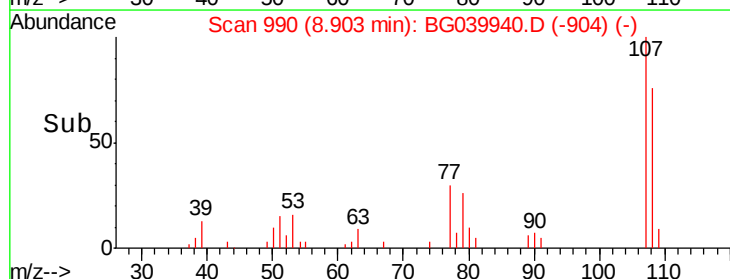
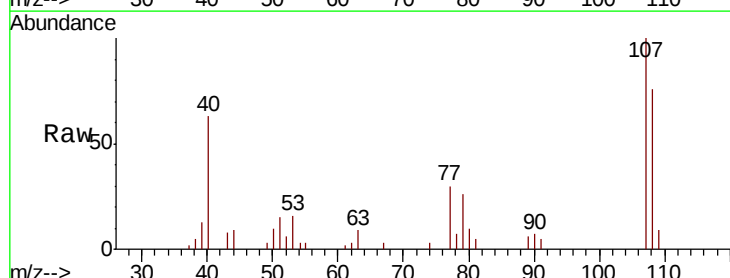
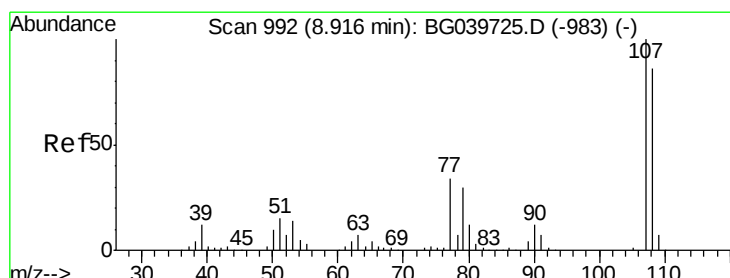
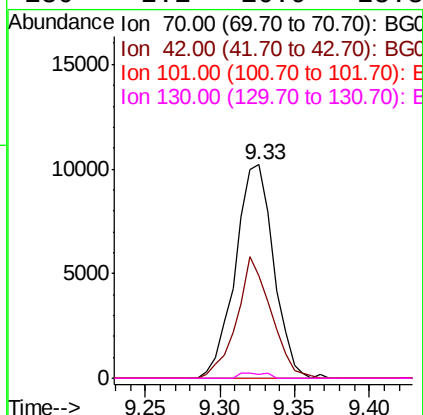
Ion Ratio Lower Upper

70 100

42 48.1 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#



#20

3+4-Methylphenols

Concen: 4.003 ng

RT: 8.90 min Scan# 990

Delta R.T. -0.02 min

Lab File: BG039940.D

Acq: 15 Mar 2019 14:12

Tgt Ion: 107 Resp: 12187

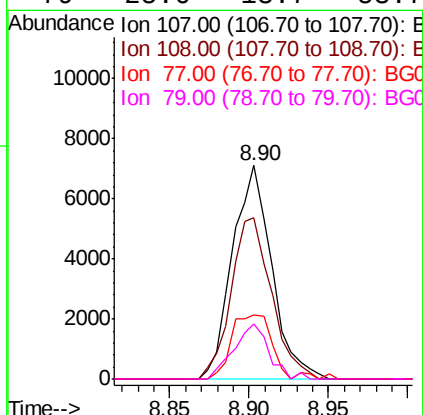
Ion Ratio Lower Upper

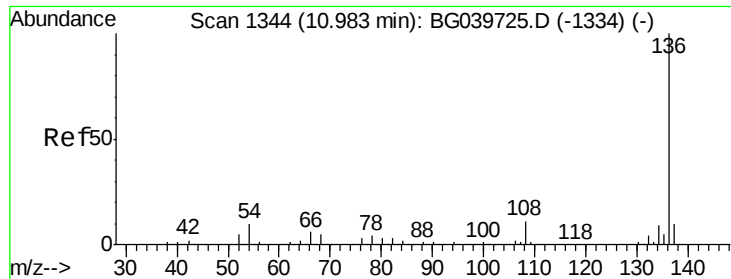
107 100

108 75.6 67.9 107.9

77 30.0 15.4 55.4

79 25.6 13.7 53.7

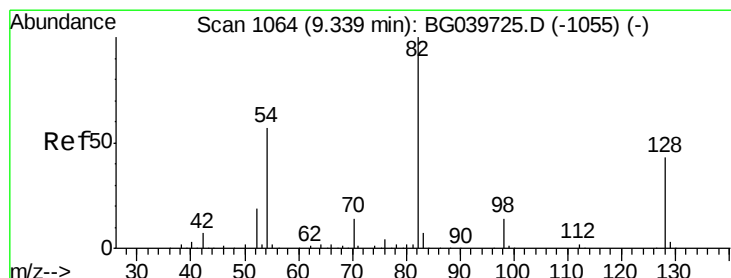
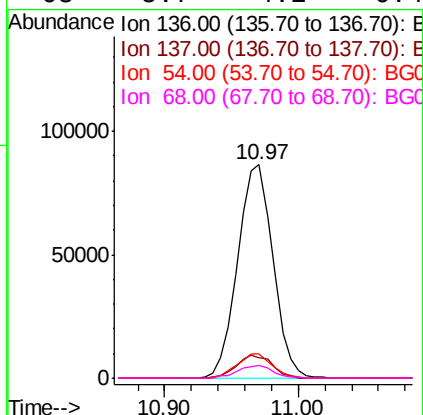
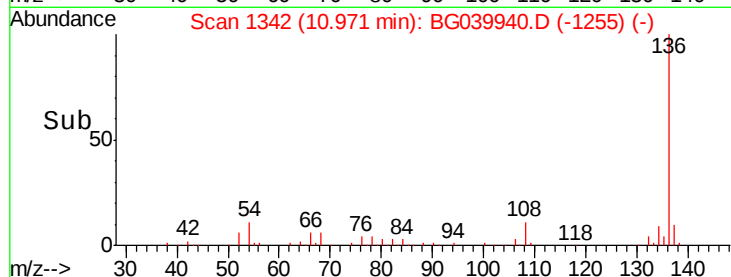
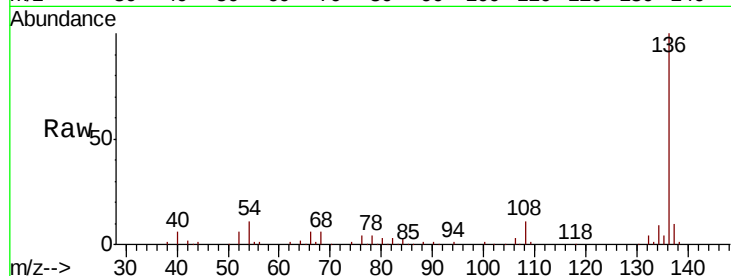




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039940.D
Acq: 15 Mar 2019 14:12

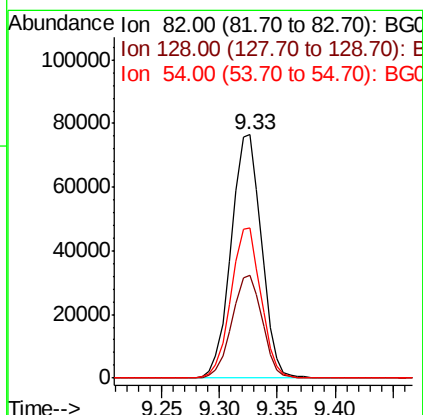
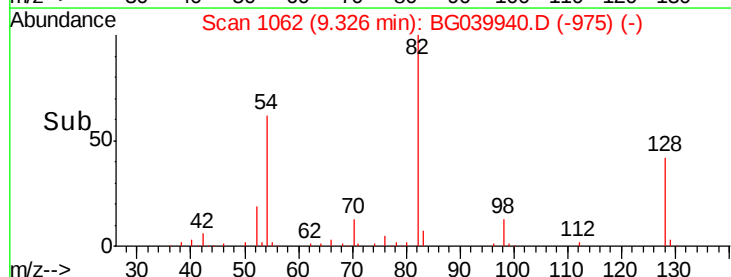
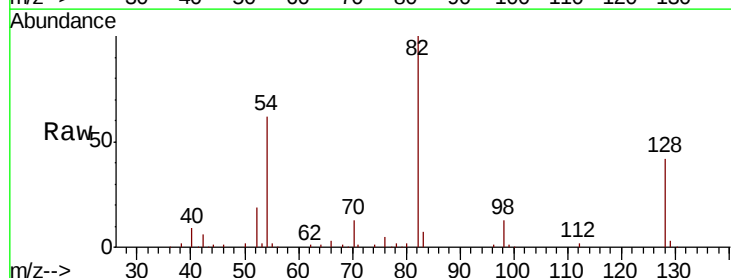
Instrument :
BNA_G
ClientSampleId :
SUMP-MUCK

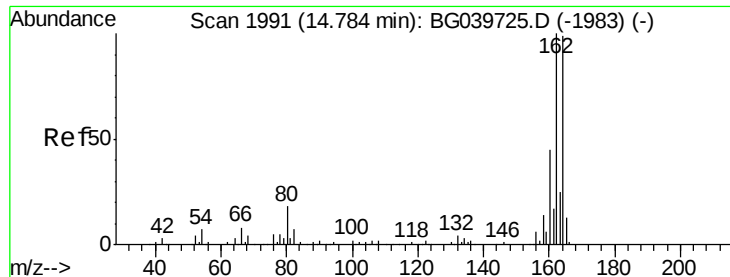
Tgt Ion:	136	Resp:	158083
Ion	Ratio	Lower	Upper
136	100		
137	9.8	9.1	13.7
54	11.2	9.4	14.2
68	5.7	4.2	6.4



#23
Nitrobenzene-d5
Concen: 47.826 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039940.D
Acq: 15 Mar 2019 14:12

Tgt Ion:	82	Resp:	139790
Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.3	46.9
54	61.7	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039940.D

Acq: 15 Mar 2019 14:12

Instrument :

BNA_G

ClientSampleId :

SUMP-MUCK

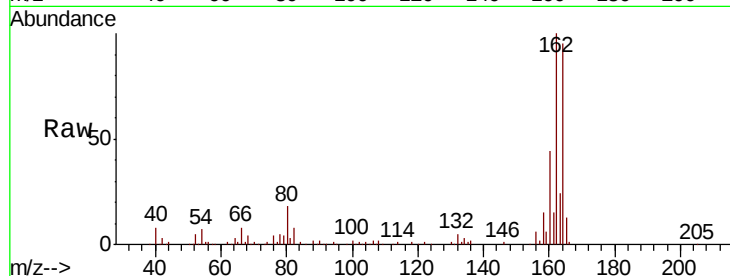
Tgt Ion:164 Resp: 113442

Ion Ratio Lower Upper

164 100

162 104.9 81.6 122.4

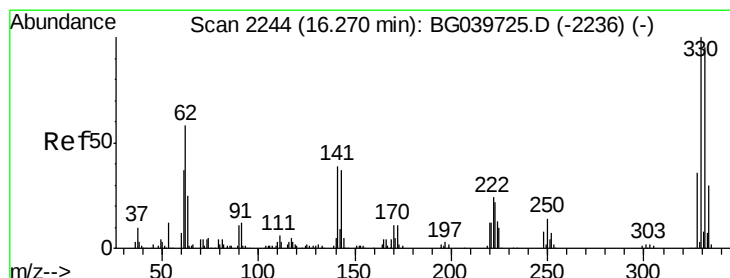
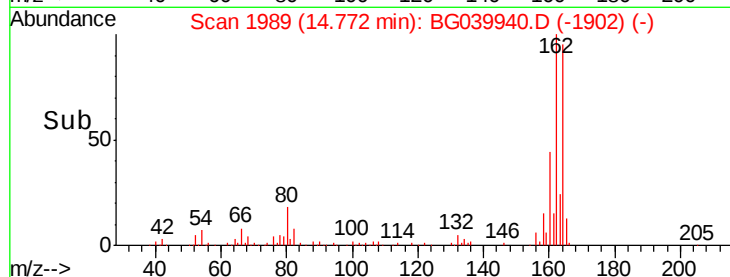
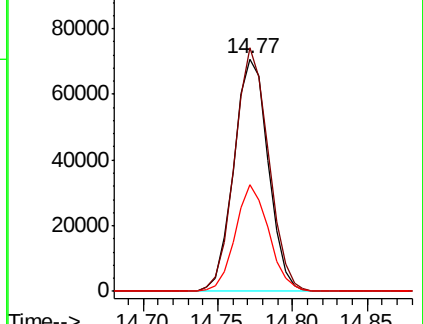
160 45.7 34.2 51.2



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: 67.551 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039940.D

Acq: 15 Mar 2019 14:12

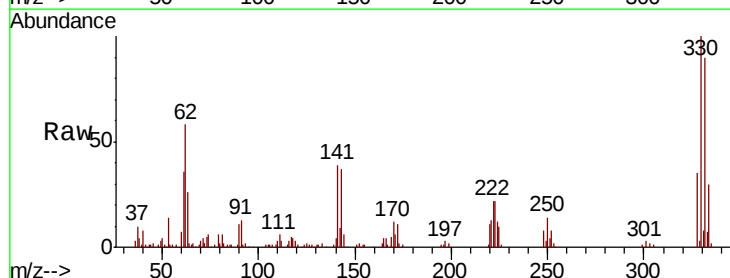
Tgt Ion:330 Resp: 89319

Ion Ratio Lower Upper

330 100

332 96.2 75.7 113.5

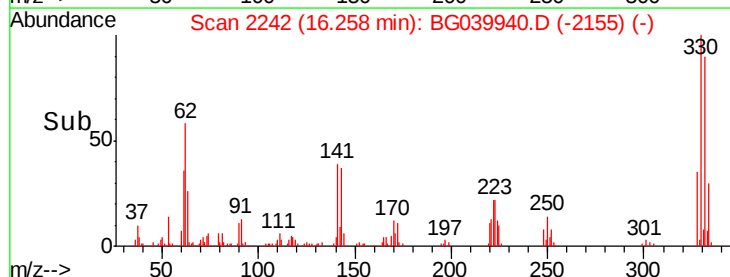
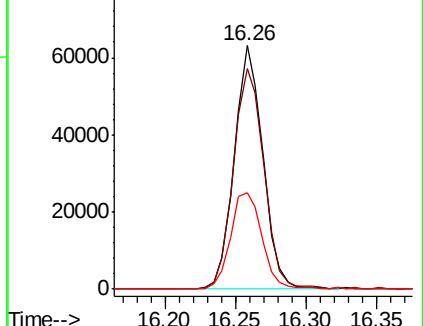
141 43.9 35.6 53.4

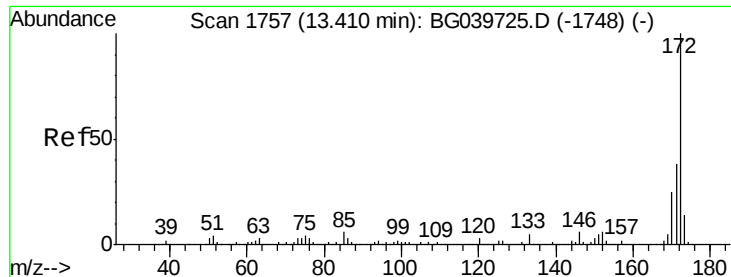


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

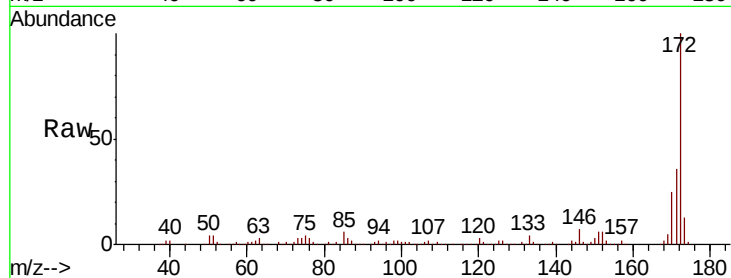




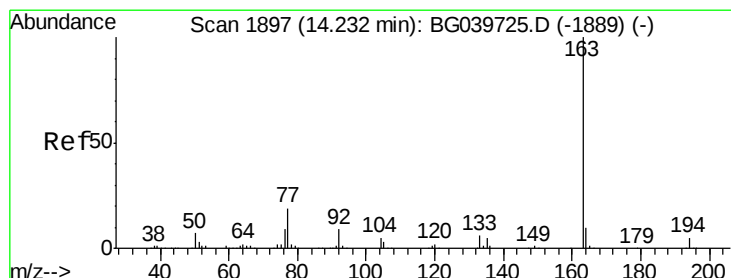
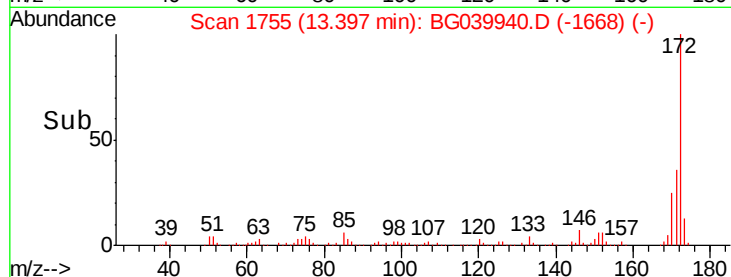
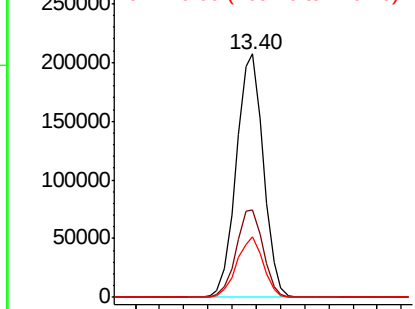
#45
2-Fluorobiphenyl
Concen: 40.599 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG039940.D
Acq: 15 Mar 2019 14:12

Instrument :
BNA_G
ClientSampleId :
SUMP-MUCK

Tgt Ion:172 Resp: 323469
Ion Ratio Lower Upper
172 100
171 36.1 30.8 46.2
170 25.0 20.2 30.4

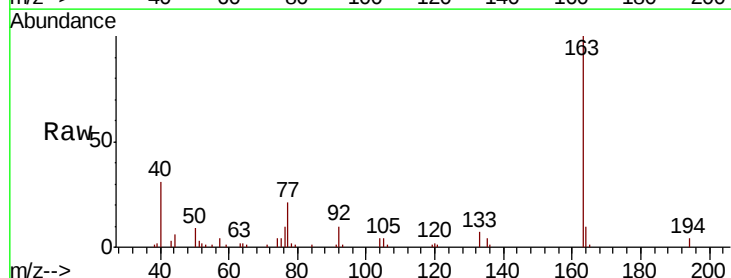


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

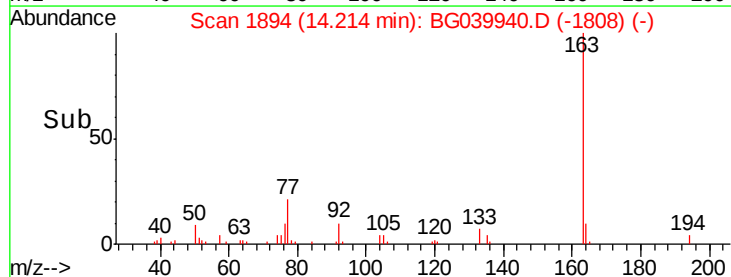
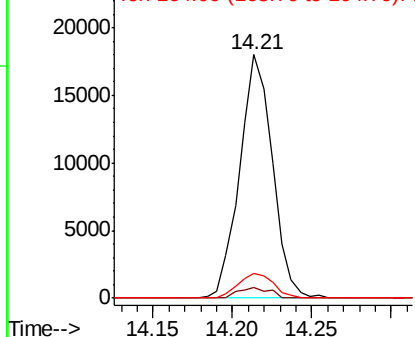


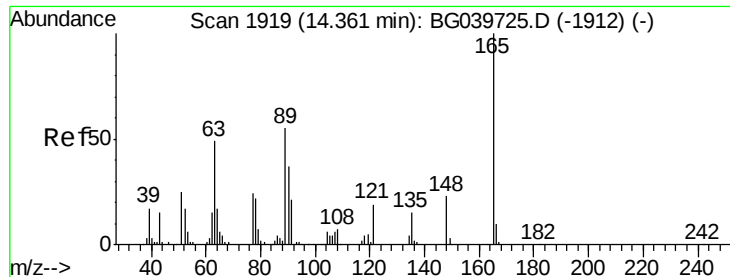
#50
Dimethylphthalate
Concen: 2.720 ng
RT: 14.21 min Scan# 1894
Delta R.T. -0.02 min
Lab File: BG039940.D
Acq: 15 Mar 2019 14:12

Tgt Ion:163 Resp: 25805
Ion Ratio Lower Upper
163 100
194 4.2 3.6 5.4
164 10.0 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: 7.129 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.40 min

Lab File: BG039940.D

Acq: 15 Mar 2019 14:12

Instrument :

BNA_G

ClientSampleId :

SUMP-MUCK

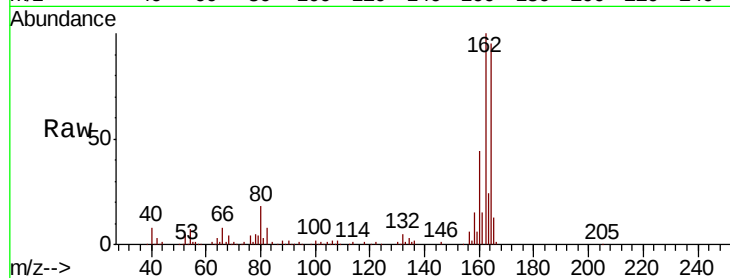
Tgt Ion:165 Resp: 14336

Ion Ratio Lower Upper

165 100

63 1.8 47.0 70.6#

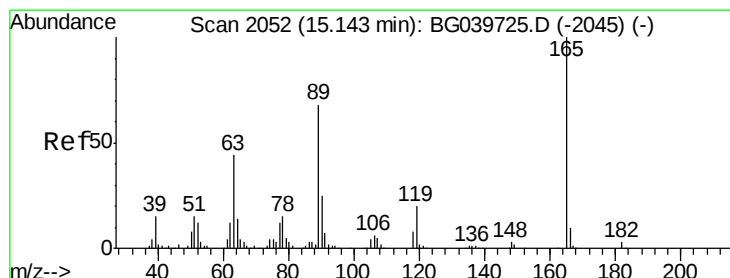
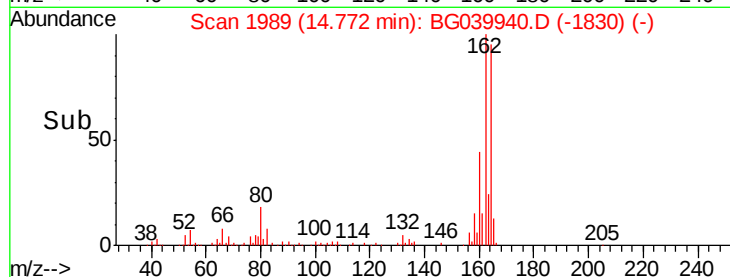
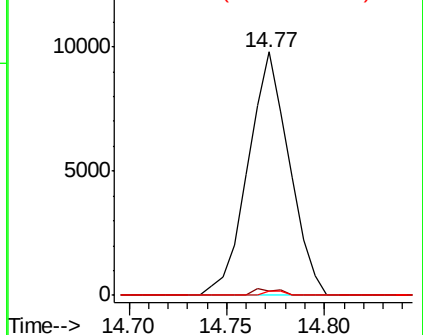
89 1.6 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 5.074 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.38 min

Lab File: BG039940.D

Acq: 15 Mar 2019 14:12

Tgt Ion:165 Resp: 14336

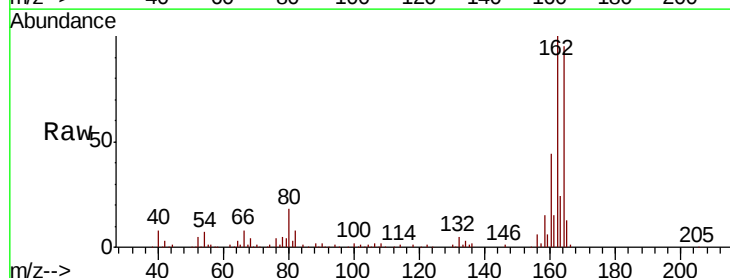
Ion Ratio Lower Upper

165 100

63 1.8 41.0 61.6#

89 1.6 64.6 96.8#

182 0.0 2.0 3.0#

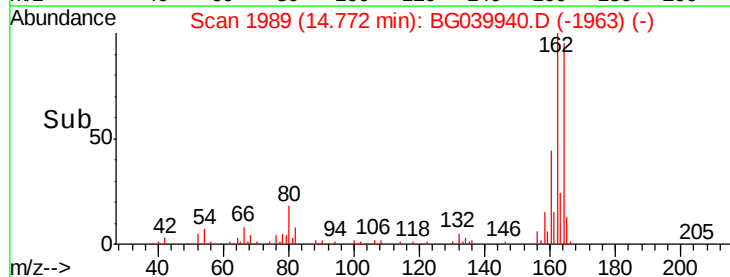
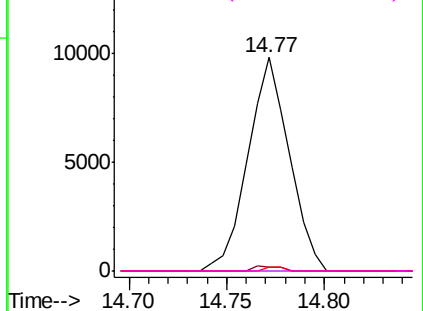


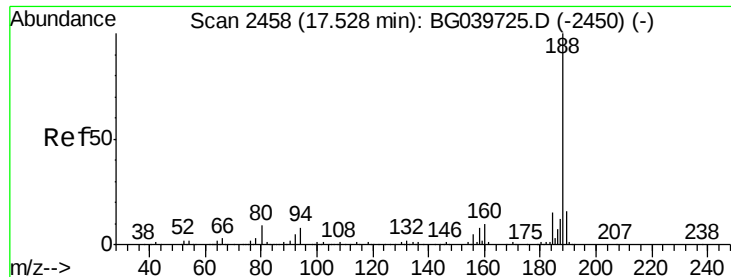
Abundance Ion 165.00 (164.70 to 165.70): E

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

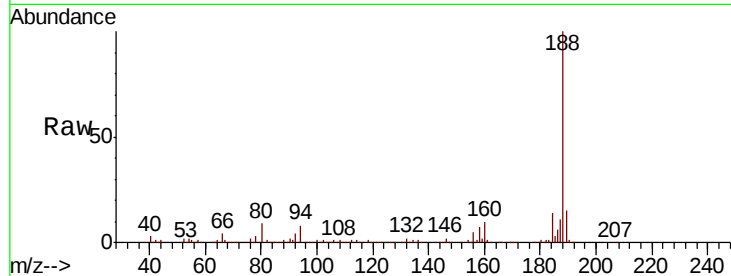




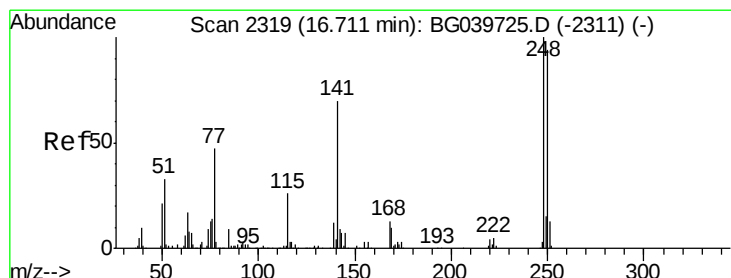
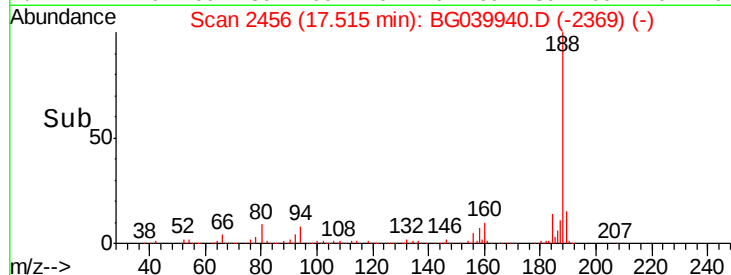
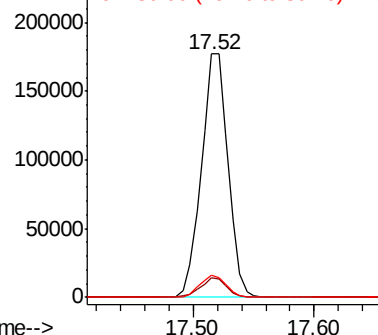
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039940.D
 Acq: 15 Mar 2019 14:12

Instrument :
 BNA_G
 ClientSampleId :
 SUMP-MUCK

Tgt Ion:188 Resp: 271131
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.9 10.3
 80 8.9 8.1 12.1

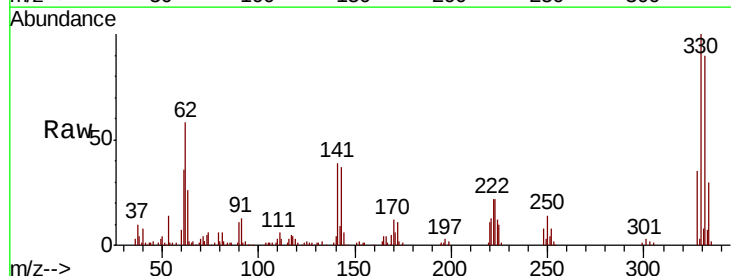


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

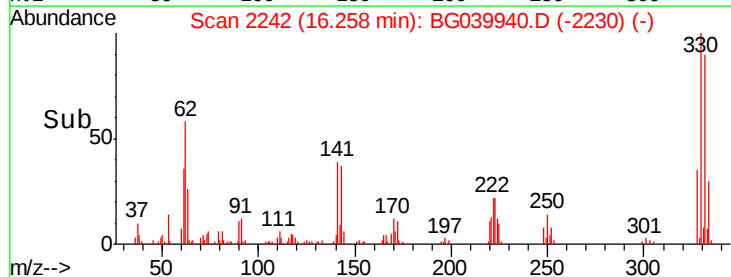
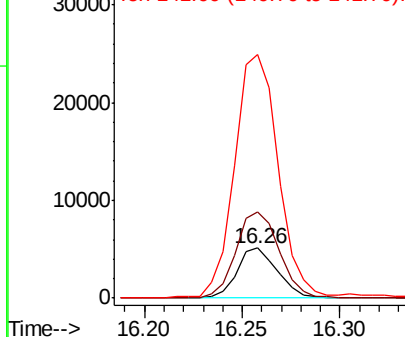


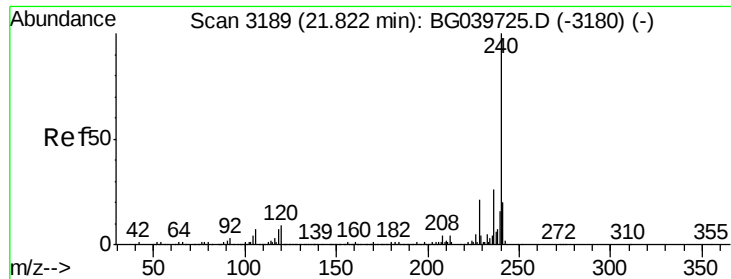
#67
 4-Bromophenyl-phenylether
 Concen: 2.397 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039940.D
 Acq: 15 Mar 2019 14:12

Tgt Ion:248 Resp: 7276
 Ion Ratio Lower Upper
 248 100
 250 173.4 77.6 116.4#
 141 486.4 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

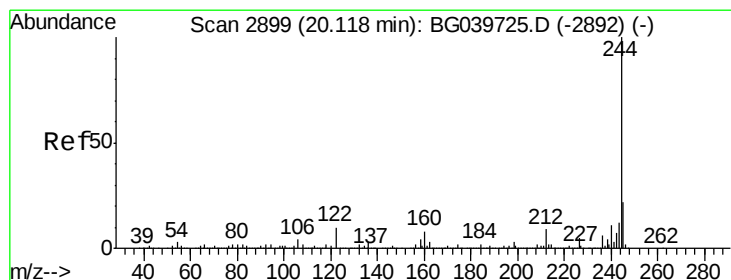
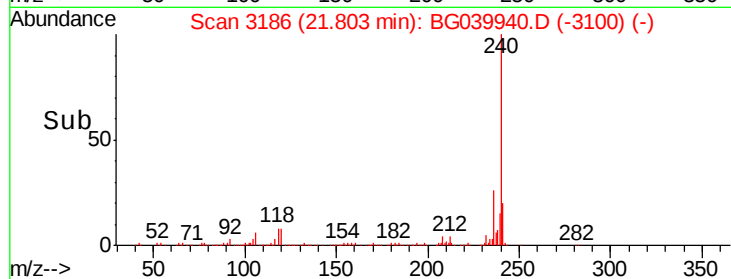
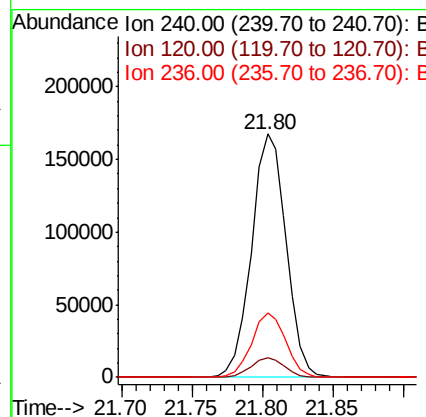
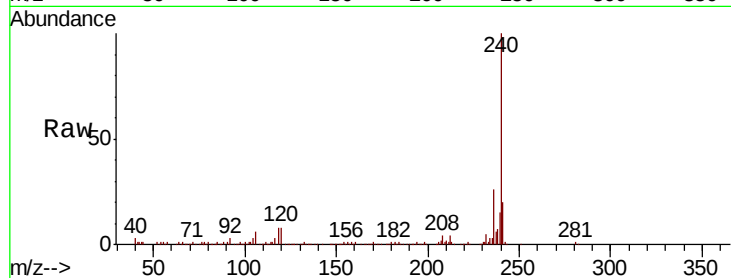




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG039940.D
Acq: 15 Mar 2019 14:12

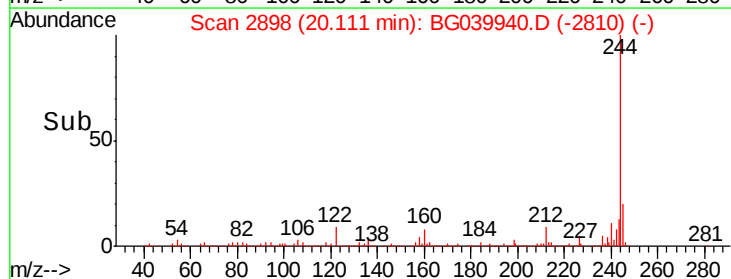
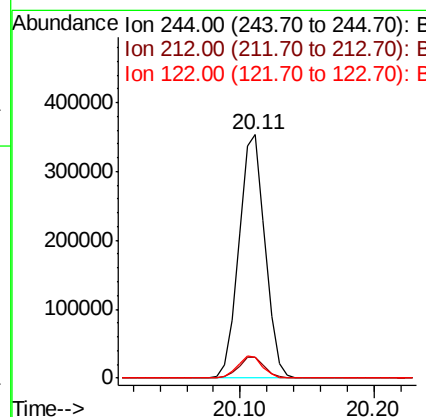
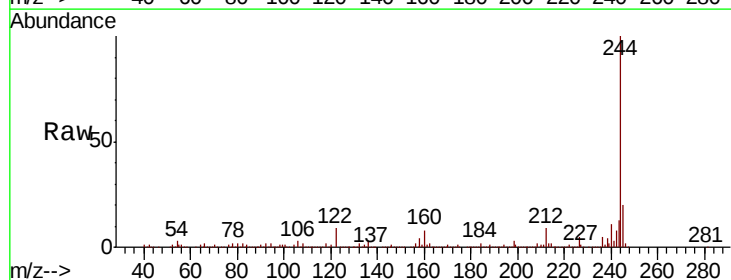
Instrument :
BNA_G
ClientSampleId :
SUMP-MUCK

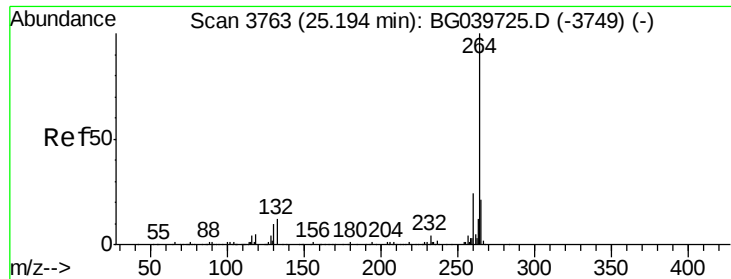
Tgt Ion:240 Resp: 287633
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 26.3 21.0 31.4



#79
Terphenyl-d14
Concen: 36.650 ng
RT: 20.11 min Scan# 2898
Delta R.T. -0.01 min
Lab File: BG039940.D
Acq: 15 Mar 2019 14:12

Tgt Ion:244 Resp: 478771
Ion Ratio Lower Upper
244 100
212 8.6 7.3 10.9
122 8.5 8.4 12.6

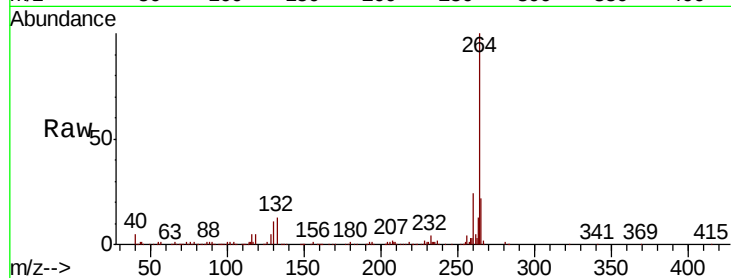




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.17 min Scan# 3759
Delta R.T. -0.03 min
Lab File: BG039940.D
Acq: 15 Mar 2019 14:12

Instrument :
BNA_G
ClientSampleId :
SUMP-MUCK

Tgt Ion:	264	Resp:	302881
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.4
265	22.2	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

