

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031519\
 Data File : BG039962.D
 Acq On : 16 Mar 2019 5:12
 Operator : JU/SJ
 Sample : K1934-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

Quant Time: Mar 16 06:33:54 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	67426	20.00	ng	-0.03
21) Naphthalene-d8	10.97	136	259213	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	166934	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	350502	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	347070	20.00	ng	-0.02
87) Perylene-d12	25.17	264	371779	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	146368	37.03	ng	-0.01
7) Phenol-d6	7.36	99	132442	22.47	ng	0.05
23) Nitrobenzene-d5	9.33	82	442842	92.40	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	168327	86.51	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	976582	83.30	ng	-0.01
79) Terphenyl-d14	20.12	244	1120074	71.06	ng	0.00

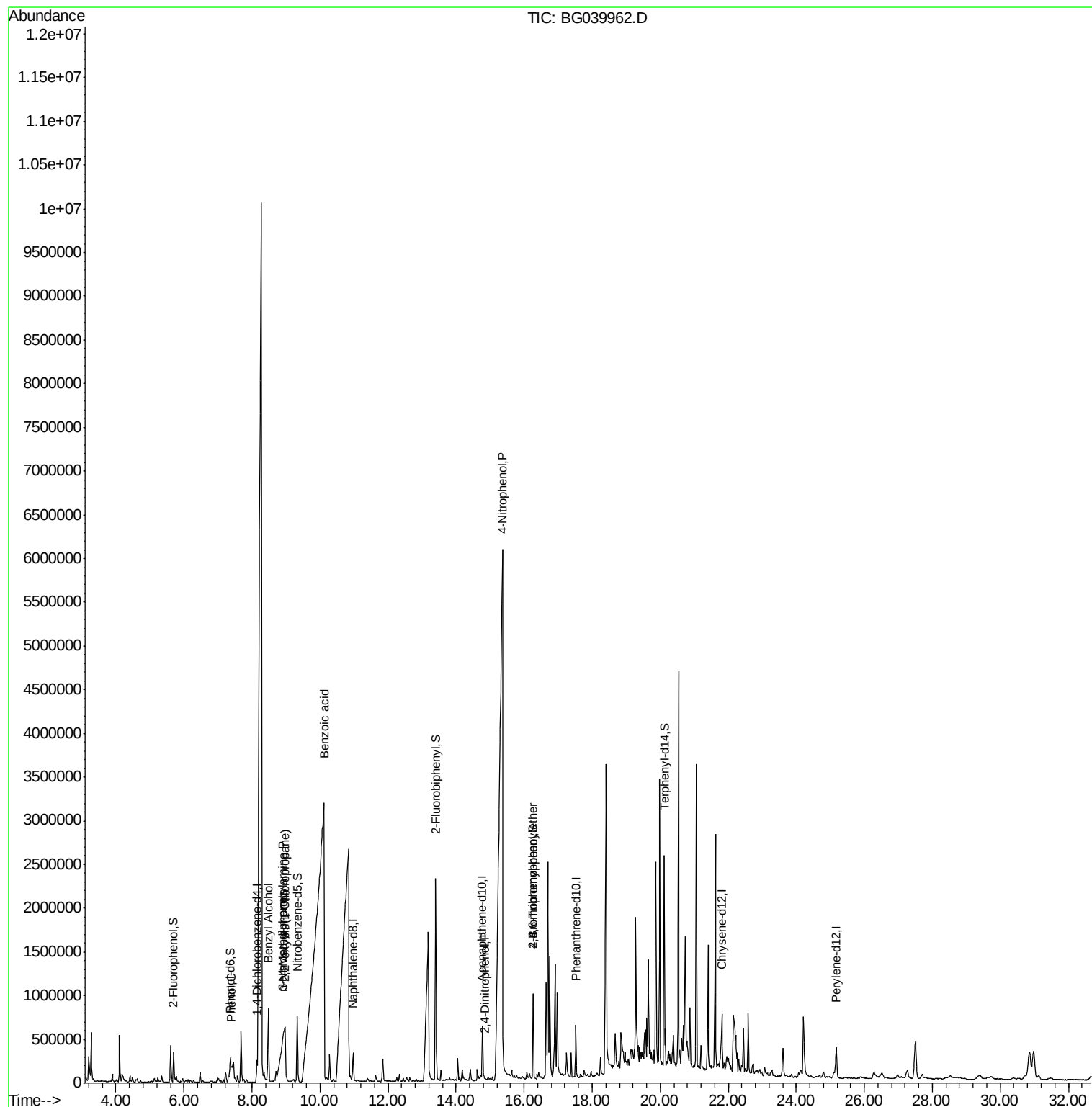
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.39	94	18326	2.871	ng	96
15) Benzyl Alcohol	8.47	79	9886	2.115	ng	# 56
16) 2,2'-oxybis(1-Chloropropan	8.97	45	219582	22.057	ng	83
19) n-Nitroso-di-n-propylamine	8.90	70	48591	11.456	ng	# 38
20) 3+4-Methylphenols	8.91	107	18191	3.217	ng	95
32) Benzoic acid	10.11	122	288	6.694	ng	# 1
54) 2,4-Dinitrophenol	14.85	184	57	5.285	ng	# 1
56) 4-Nitrophenol	15.35	139	36364	13.665	ng	# 78
67) 4-Bromophenyl-phenylether	16.26	248	13239	3.374	ng	# 1

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

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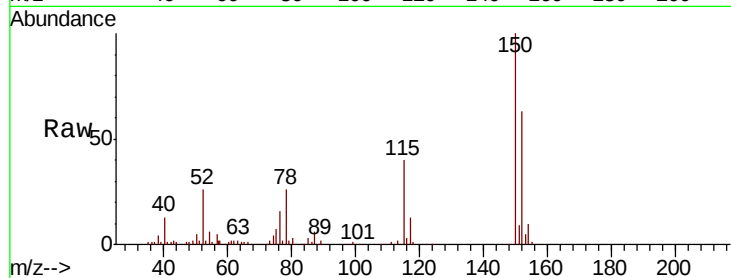


#1

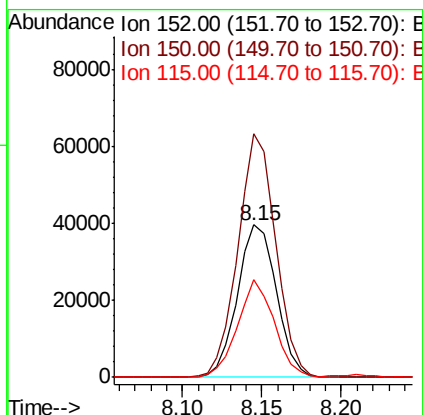
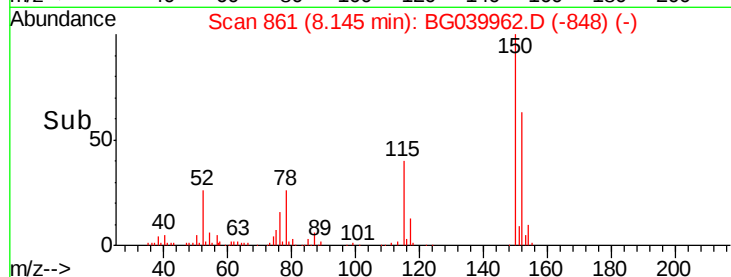
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.03 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

Instrument :
BNA_G
ClientSampleId :
EFF-WW

Tgt Ion:152 Resp: 67426
Ion Ratio Lower Upper
152 100
150 159.7 123.7 185.5
115 64.1 45.9 68.9



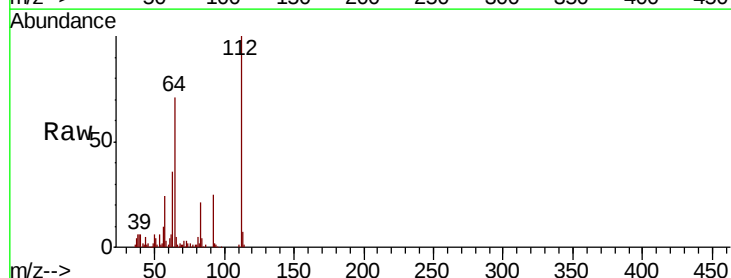
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



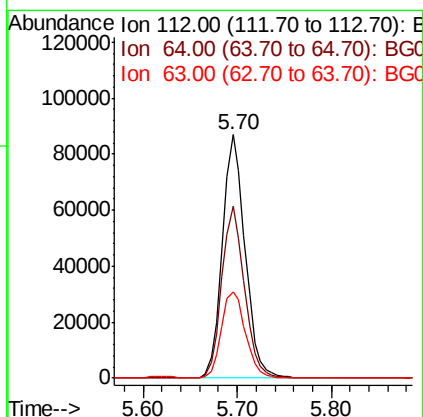
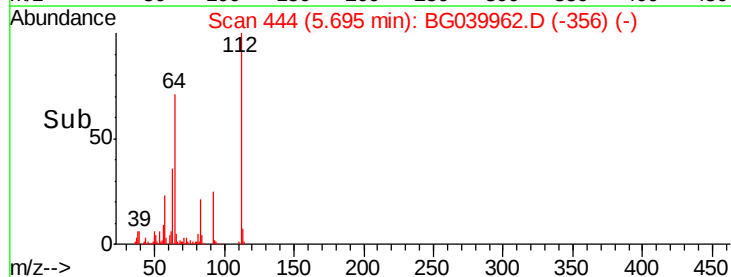
#5

2-Fluorophenol
Concen: 37.034 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

Tgt Ion:112 Resp: 146368
Ion Ratio Lower Upper
112 100
64 70.7 57.8 86.8
63 35.6 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: 22.474 ng

RT: 7.36 min Scan# 728

Delta R.T. 0.05 min

Lab File: BG039962.D

Acq: 16 Mar 2019 5:12

Instrument :

BNA_G

ClientSampleId :

EFF-WW

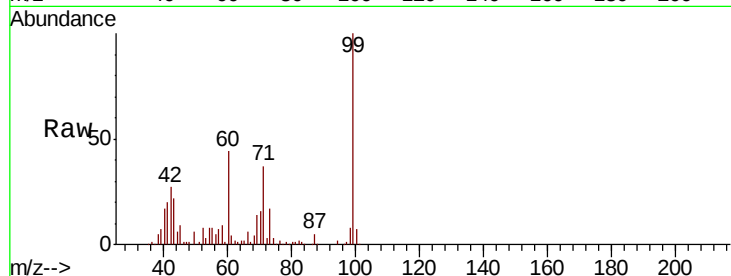
Tgt Ion: 99 Resp: 132442

Ion Ratio Lower Upper

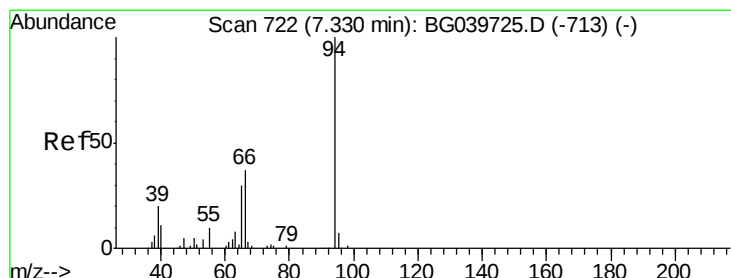
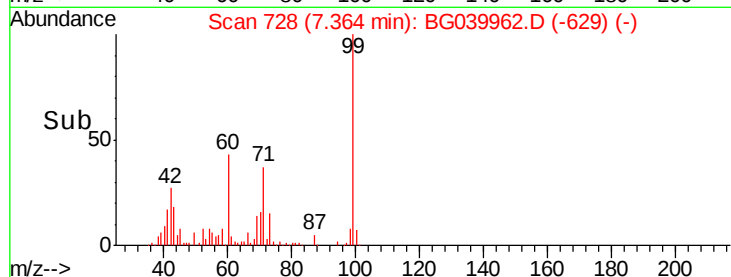
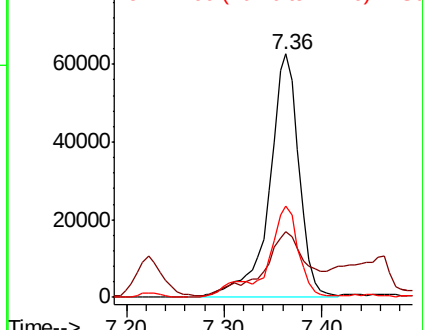
99 100

42 27.0 18.2 27.2

71 37.3 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: 2.871 ng

RT: 7.39 min Scan# 733

Delta R.T. 0.06 min

Lab File: BG039962.D

Acq: 16 Mar 2019 5:12

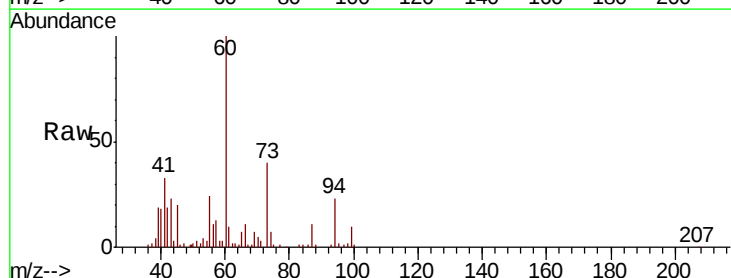
Tgt Ion: 94 Resp: 18326

Ion Ratio Lower Upper

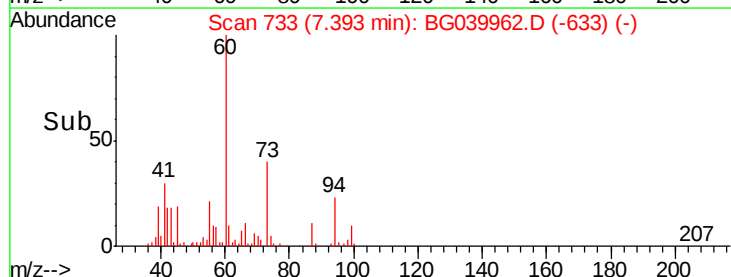
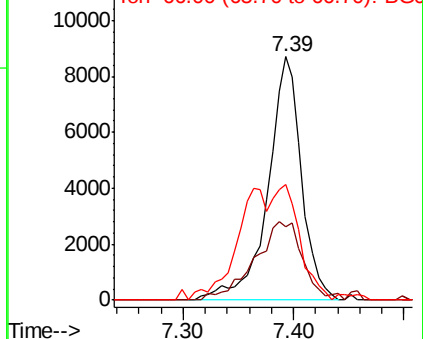
94 100

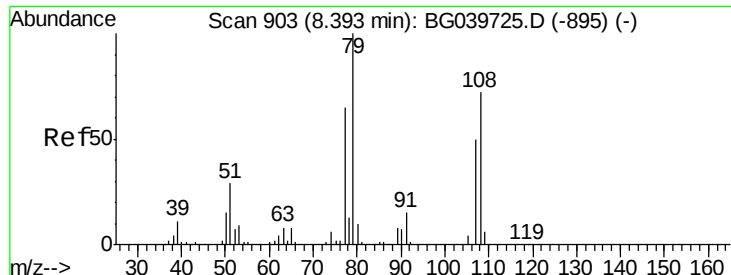
65 30.3 11.7 51.7

66 47.3 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





#15

Benzyl Alcohol

Concen: 2.115 ng

RT: 8.47 min Scan# 917

Delta R.T. 0.07 min

Lab File: BG039962.D

Acq: 16 Mar 2019 5:12

Instrument :

BNA_G

ClientSampleId :

EFF-WW

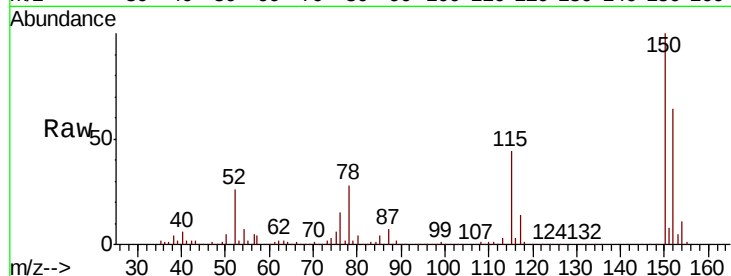
Tgt Ion: 79 Resp: 9886

Ion Ratio Lower Upper

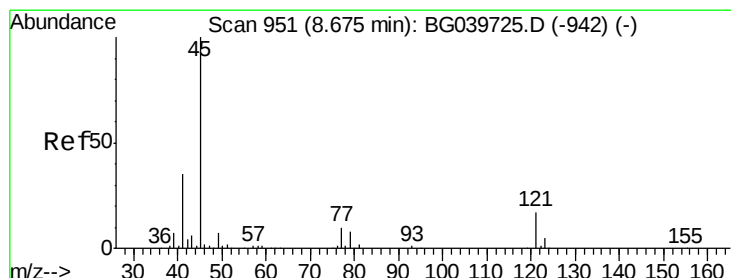
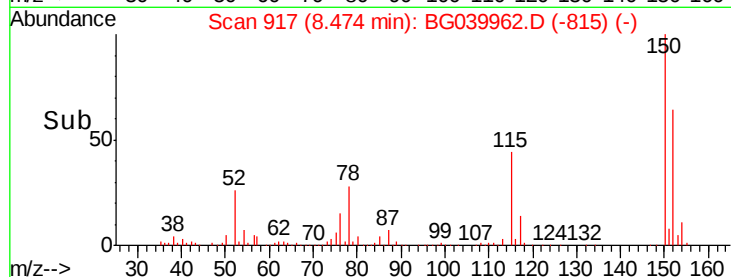
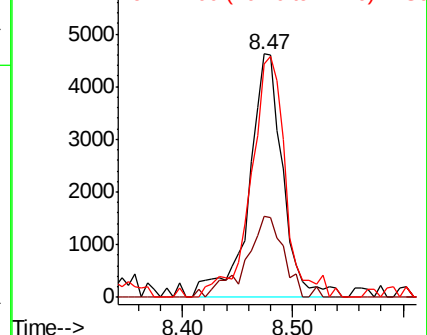
79 100

108 33.0 57.8 86.6#

77 95.7 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 22.057 ng

RT: 8.97 min Scan# 1002

Delta R.T. 0.29 min

Lab File: BG039962.D

Acq: 16 Mar 2019 5:12

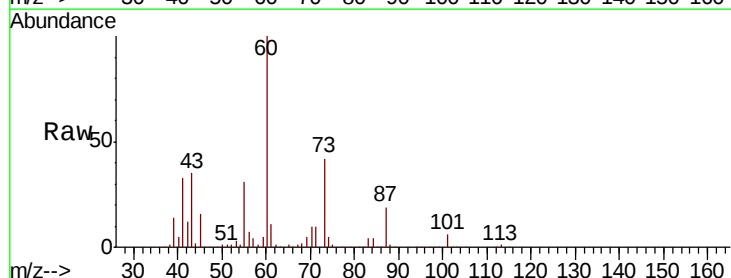
Tgt Ion: 45 Resp: 219582

Ion Ratio Lower Upper

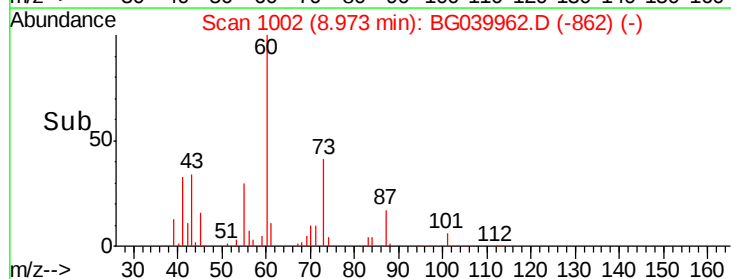
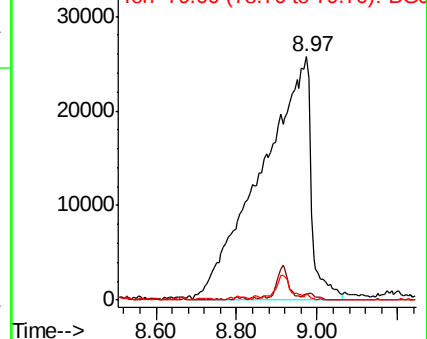
45 100

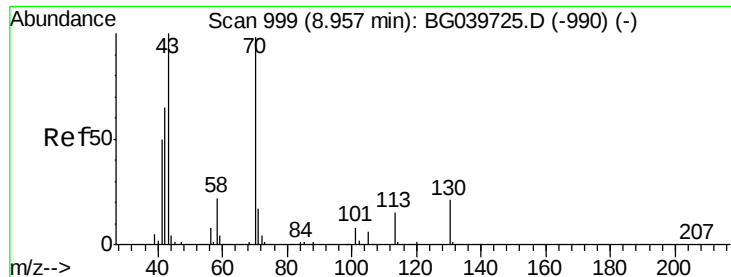
77 2.5 0.0 30.0

79 2.7 0.0 27.5



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 11.456 ng

RT: 8.90 min Scan# 990

Delta R.T. -0.07 min

Lab File: BG039962.D

Acq: 16 Mar 2019 5:12

Instrument :

BNA_G

ClientSampleId :

EFF-WW

Tgt Ion: 70 Resp: 48591

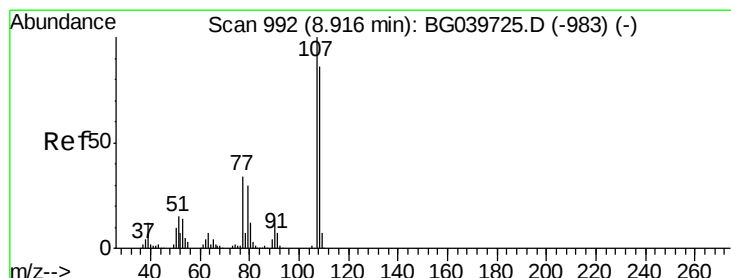
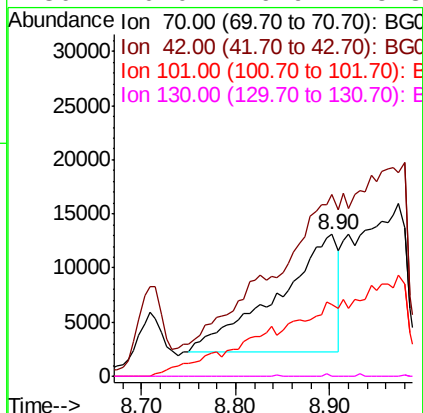
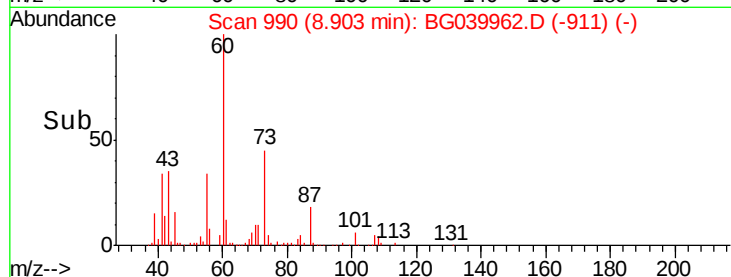
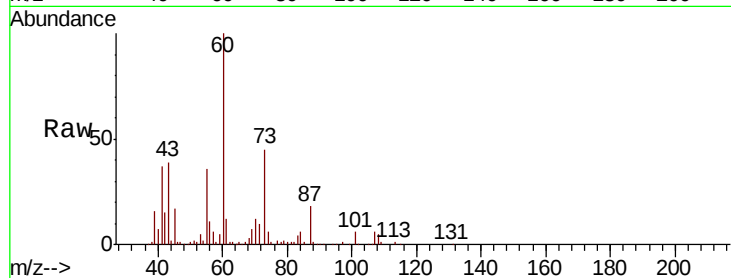
Ion Ratio Lower Upper

70 100

42 127.6 60.4 90.6#

101 50.2 7.5 11.3#

130 0.0 16.9 25.3#



#20

3+4-Methylphenols

Concen: 3.217 ng

RT: 8.91 min Scan# 992

Delta R.T. -0.01 min

Lab File: BG039962.D

Acq: 16 Mar 2019 5:12

Tgt Ion: 107 Resp: 18191

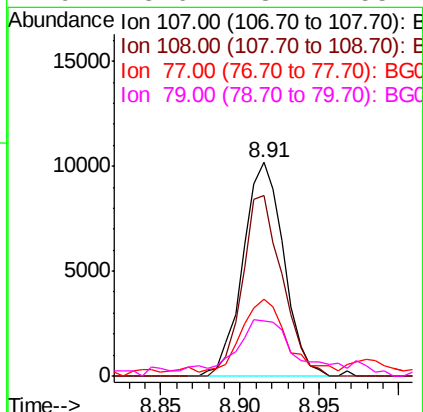
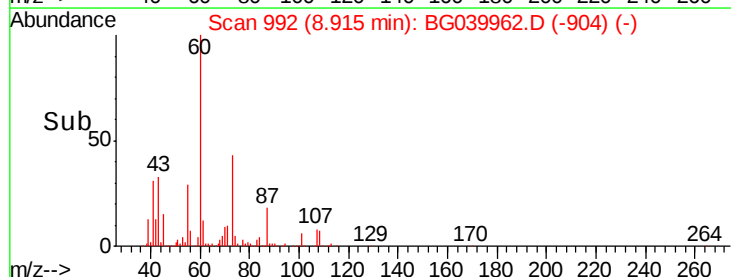
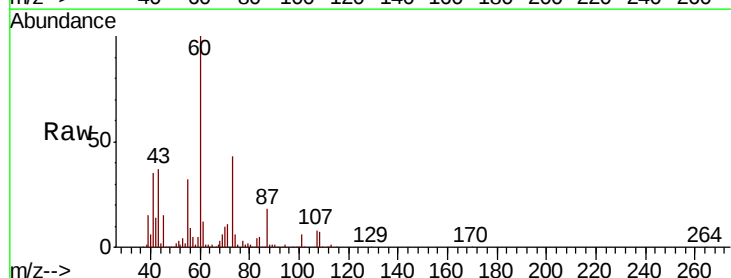
Ion Ratio Lower Upper

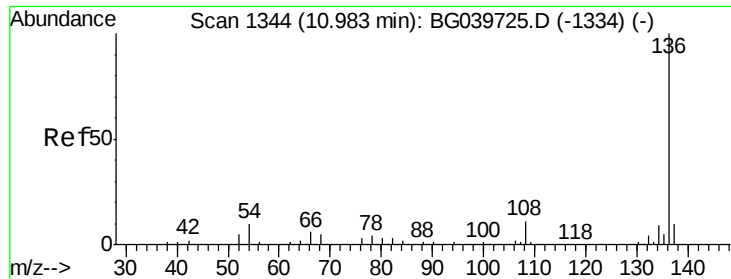
107 100

108 84.7 67.9 107.9

77 35.9 15.4 55.4

79 25.6 13.7 53.7

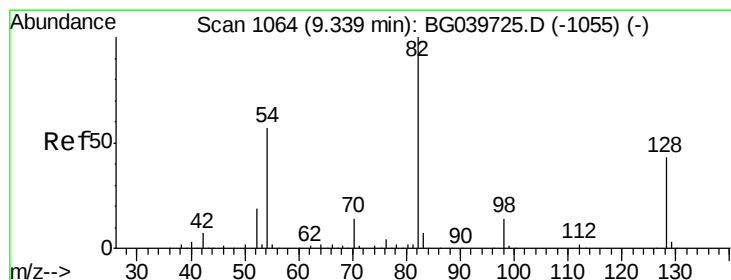
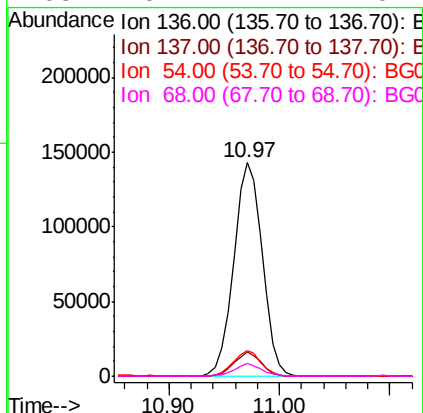
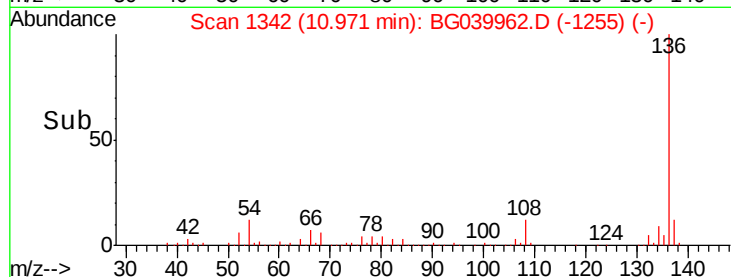
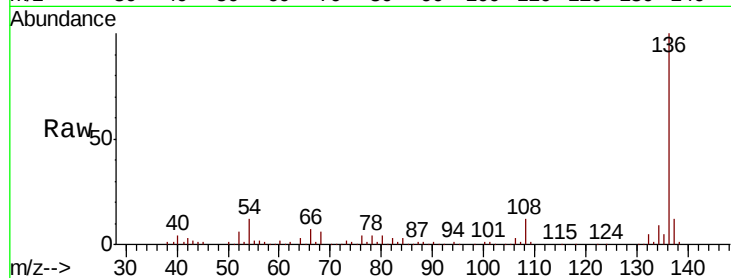




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

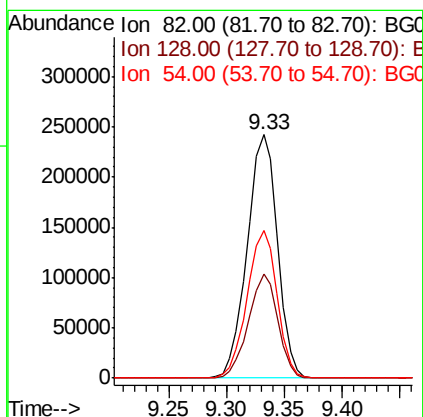
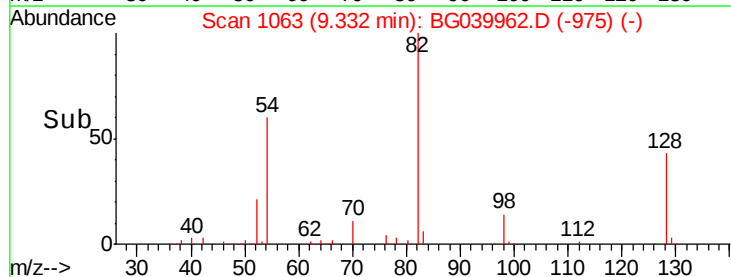
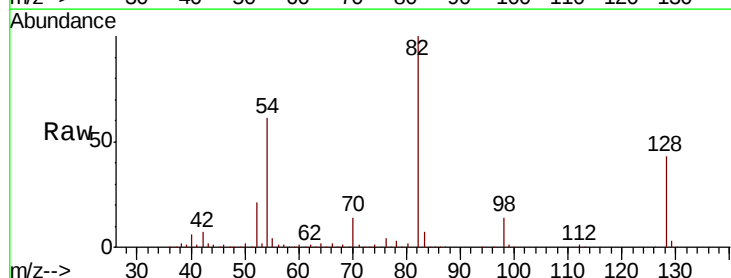
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EFF-WW

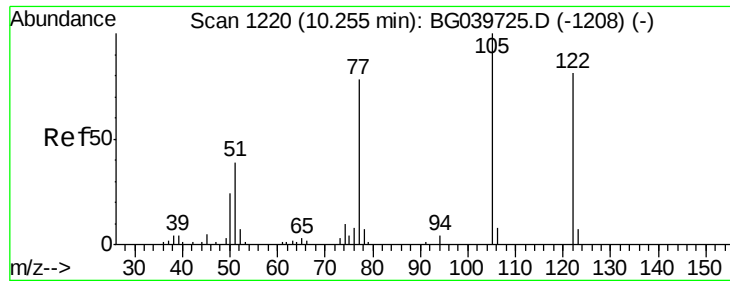
Tgt Ion:	136	Resp:	259213
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.9	9.4	14.2
68	6.1	4.2	6.4



#23
Nitrobenzene-d5
Concen: 92.398 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

Tgt Ion:	82	Resp:	442842
Ion	Ratio	Lower	Upper
82	100		
128	42.8	31.3	46.9
54	60.5	50.9	76.3

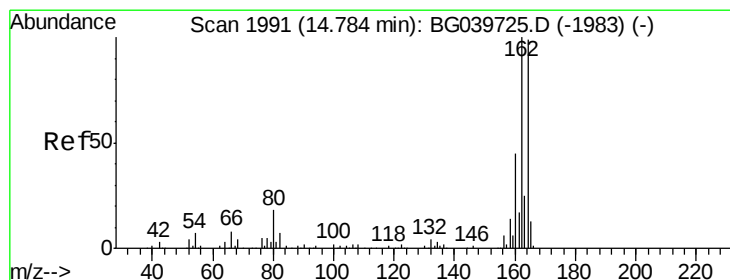
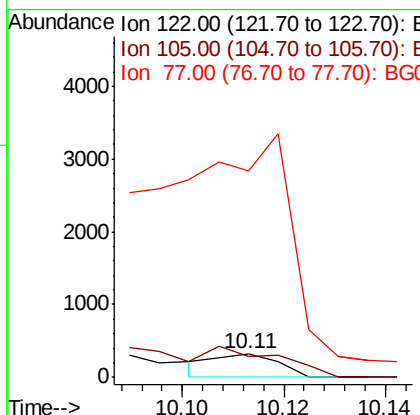
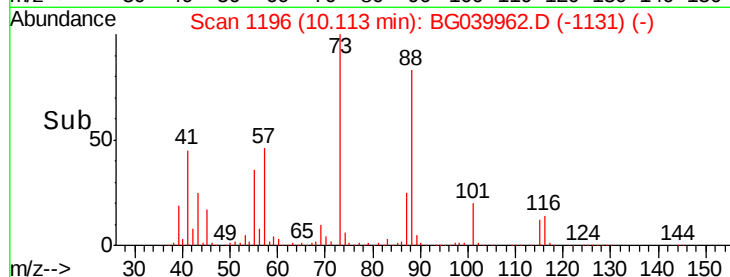
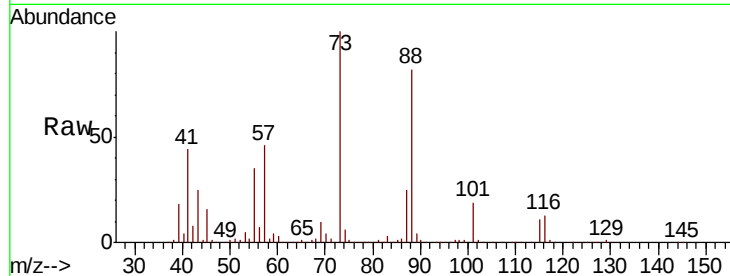




#32
Benzoic acid
Concen: 6.694 ng
RT: 10.11 min Scan# 1196
Delta R.T. -0.15 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

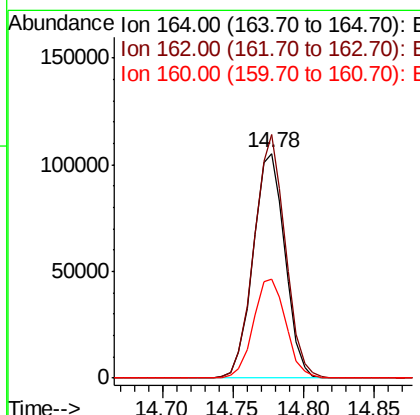
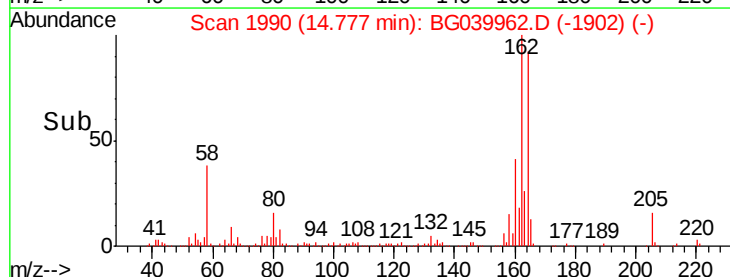
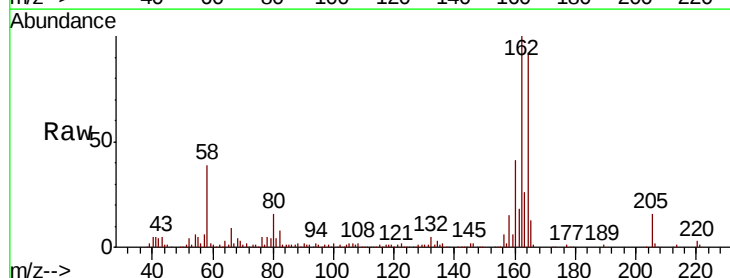
Instrument :
BNA_G
ClientSampleId :
EFF-WW

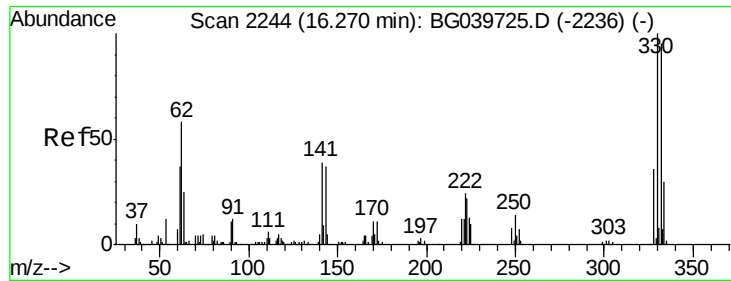
Tgt Ion:122 Resp: 288
Ion Ratio Lower Upper
122 100
105 91.6 101.8 141.8#
77 878.0 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

Tgt Ion:164 Resp: 166934
Ion Ratio Lower Upper
164 100
162 108.4 81.6 122.4
160 44.3 34.2 51.2

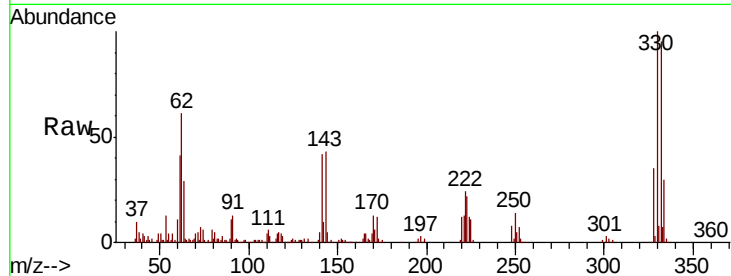




#42
 2,4,6-Tribromophenol
 Concen: 86.511 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG039962.D
 Acq: 16 Mar 2019 5:12

Instrument :
 BNA_G
 ClientSampled :
 EFF-WW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.7	113.5
141	42.3	35.6	53.4

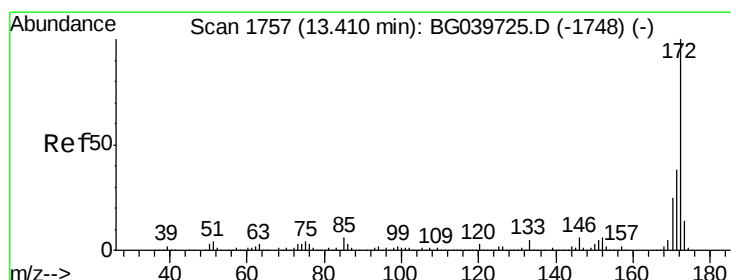
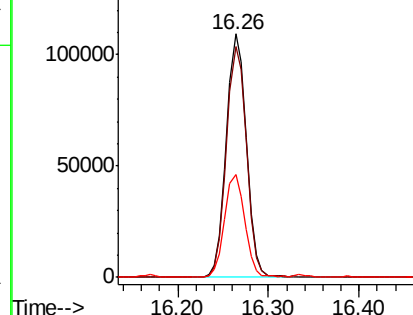
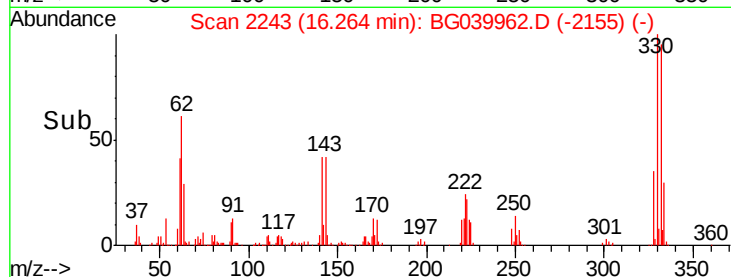


Abundance

Ion 329.80 (329.50 to 330.50): E

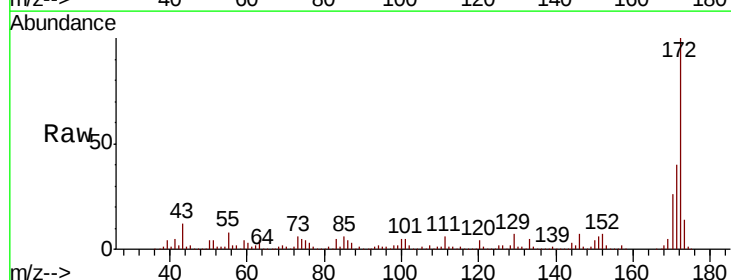
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.296 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039962.D
 Acq: 16 Mar 2019 5:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.6	30.8	46.2
170	25.8	20.2	30.4

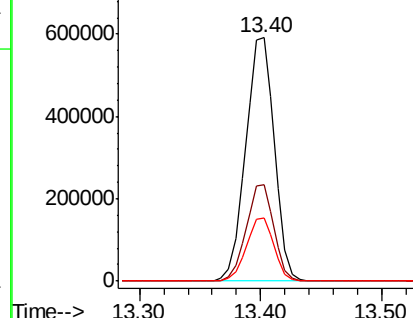
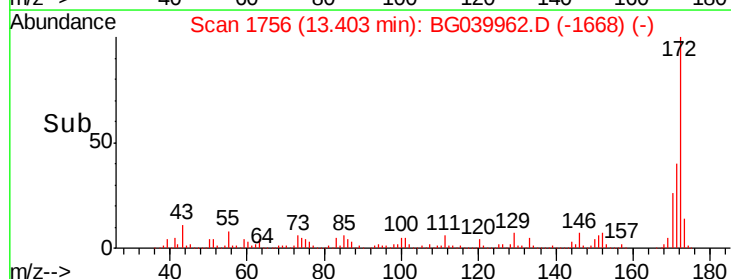


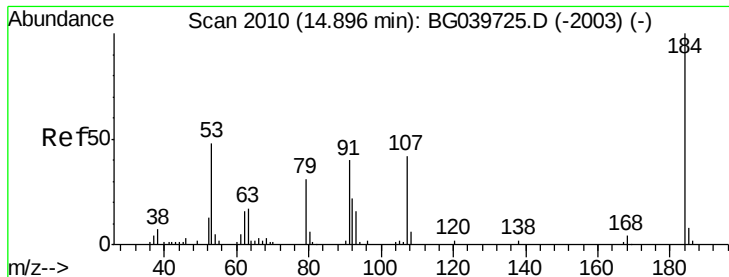
Abundance

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

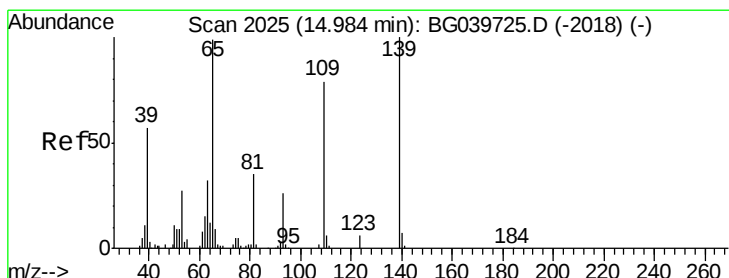
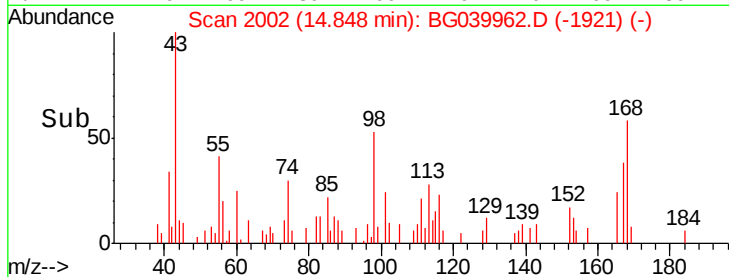
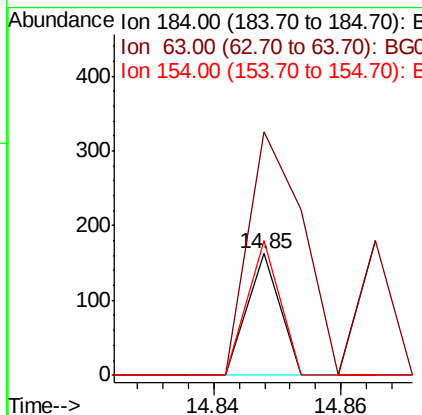
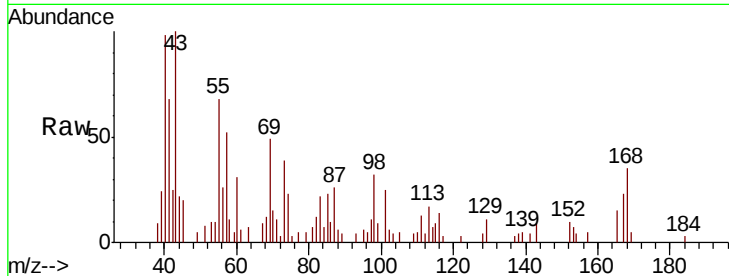




#54
 2,4-Dinitrophenol
 Concen: 5.285 ng
 RT: 14.85 min Scan# 2002
 Delta R.T. -0.05 min
 Lab File: BG039962.D
 Acq: 16 Mar 2019 5:12

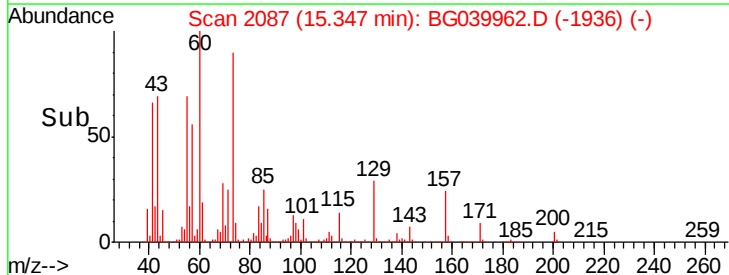
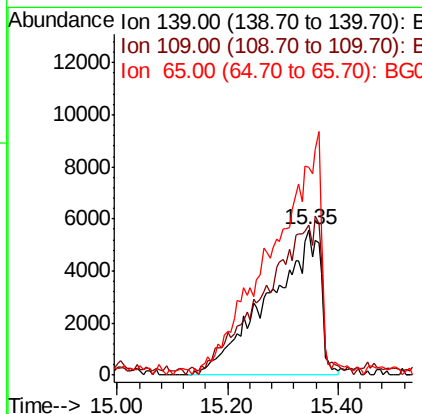
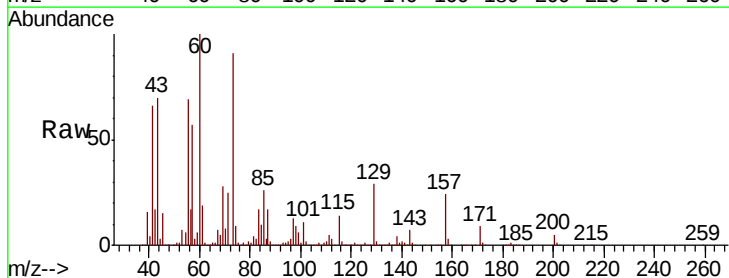
Instrument :
 BNA_G
 ClientSampled :
 EFF-WW

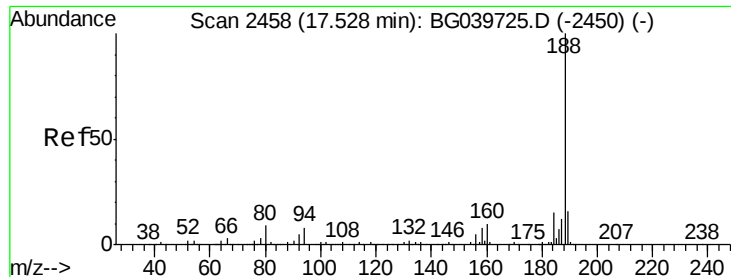
Tgt Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 200.0 50.9 76.3#
 154 110.4 53.0 79.6#



#56
 4-Nitrophenol
 Concen: 13.665 ng
 RT: 15.35 min Scan# 2087
 Delta R.T. 0.36 min
 Lab File: BG039962.D
 Acq: 16 Mar 2019 5:12

Tgt Ion:139 Resp: 36364
 Ion Ratio Lower Upper
 139 100
 109 103.0 61.9 101.9#
 65 143.0 99.1 139.1#

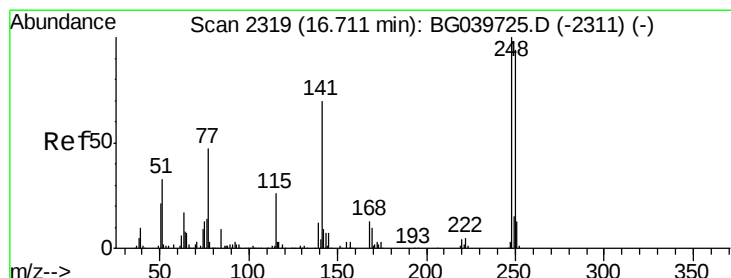
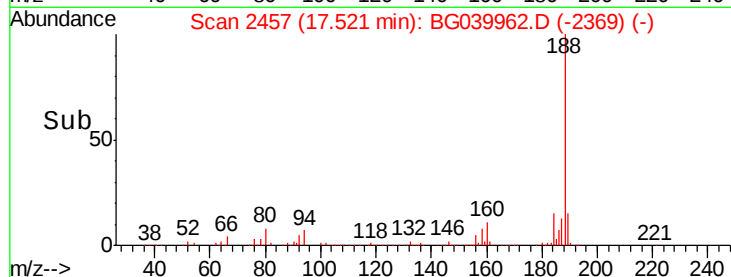
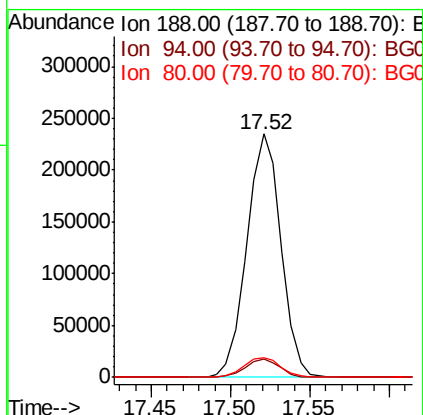
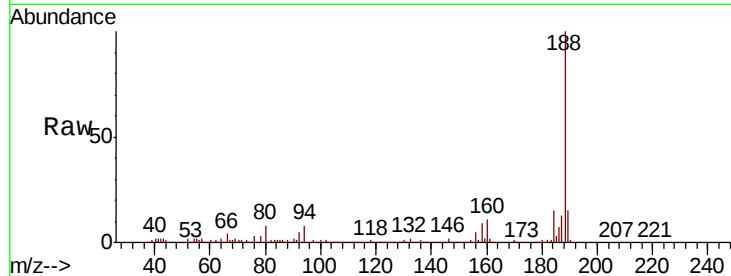




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

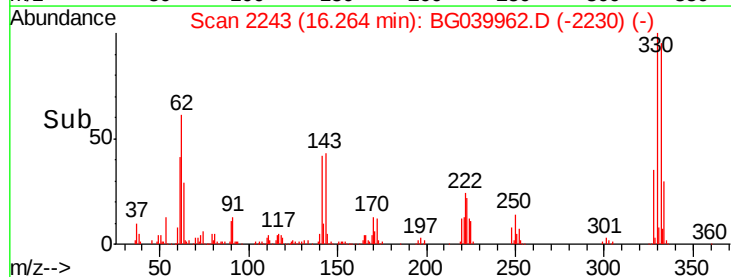
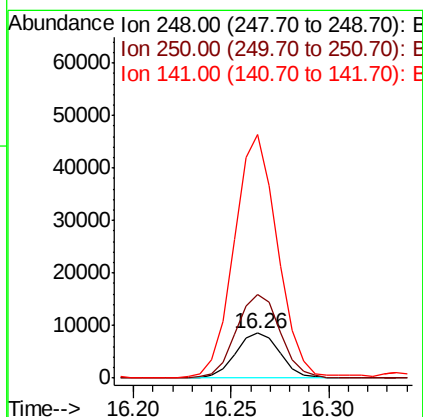
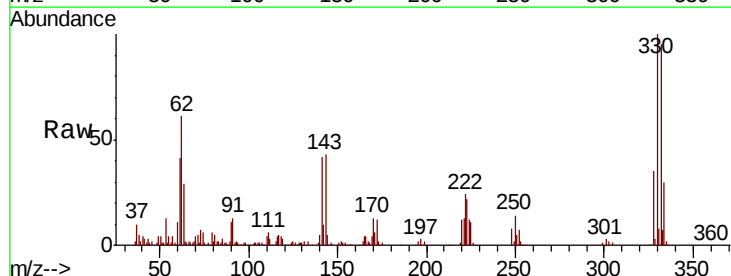
Instrument :
BNA_G
ClientSampleId :
EFF-WW

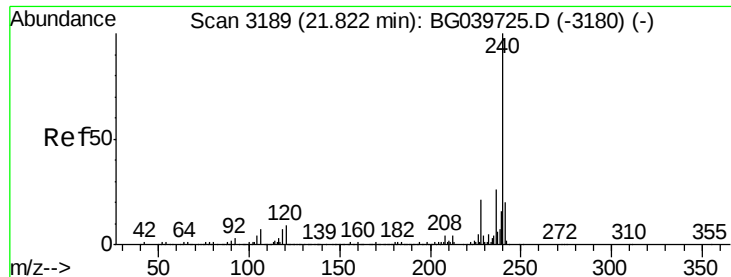
Tgt Ion:188 Resp: 350502
Ion Ratio Lower Upper
188 100
94 7.6 6.9 10.3
80 7.8 8.1 12.1#



#67
4-Bromophenyl-phenylether
Concen: 3.374 ng
RT: 16.26 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

Tgt Ion:248 Resp: 13239
Ion Ratio Lower Upper
248 100
250 185.8 77.6 116.4#
141 543.2 63.9 95.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.81 min Scan# 3187

Delta R.T. -0.02 min

Lab File: BG039962.D

Acq: 16 Mar 2019 5:12

Instrument :

BNA_G

ClientSampled :

EFF-WW

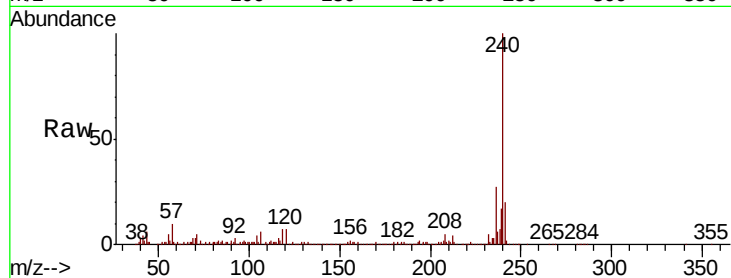
Tgt Ion:240 Resp: 347070

Ion Ratio Lower Upper

240 100

120 7.4 7.0 10.6

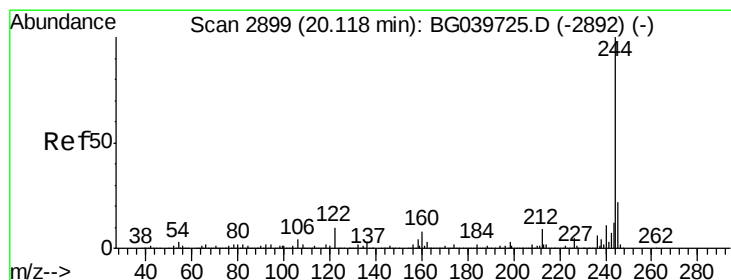
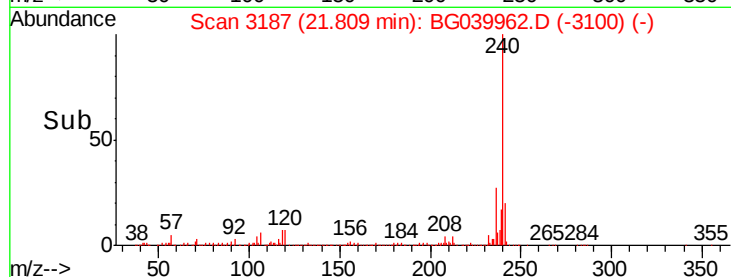
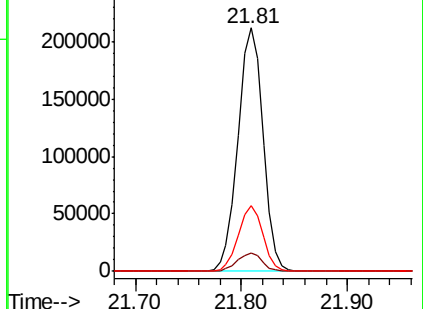
236 27.1 21.0 31.4



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: 71.057 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039962.D

Acq: 16 Mar 2019 5:12

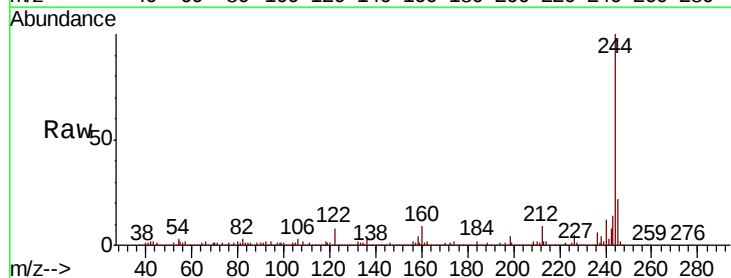
Tgt Ion:244 Resp: 1120074

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

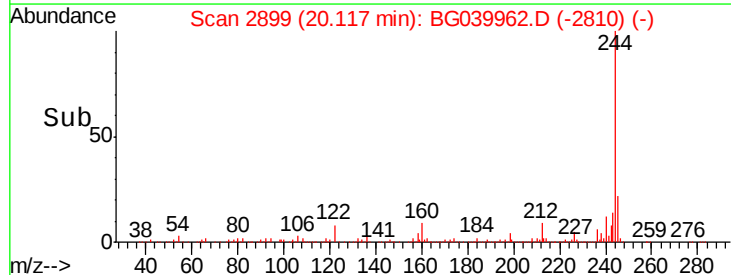
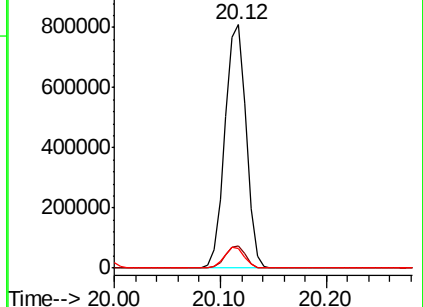
122 8.2 8.4 12.6#

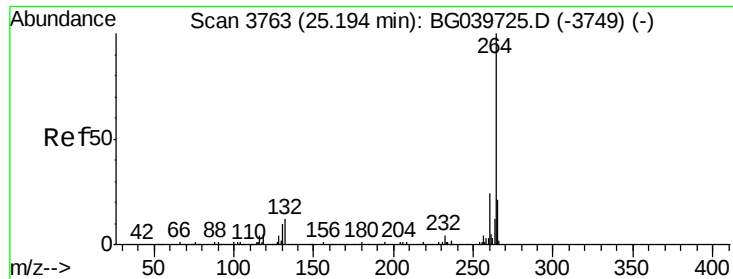


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.17 min Scan# 3760
Delta R.T. -0.03 min
Lab File: BG039962.D
Acq: 16 Mar 2019 5:12

Instrument :
BNA_G
ClientSampleId :
EFF-WW

Tgt	Ion	Ratio	Lower	Upper
264	100			
260	24.1	18.2	27.4	
265	21.6	18.5	27.7	

