

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032919\
 Data File : BG040243.D
 Acq On : 30 Mar 2019 2:36
 Operator : JU/SJ
 Sample : K2121-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-7

Quant Time: Mar 30 04:12:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

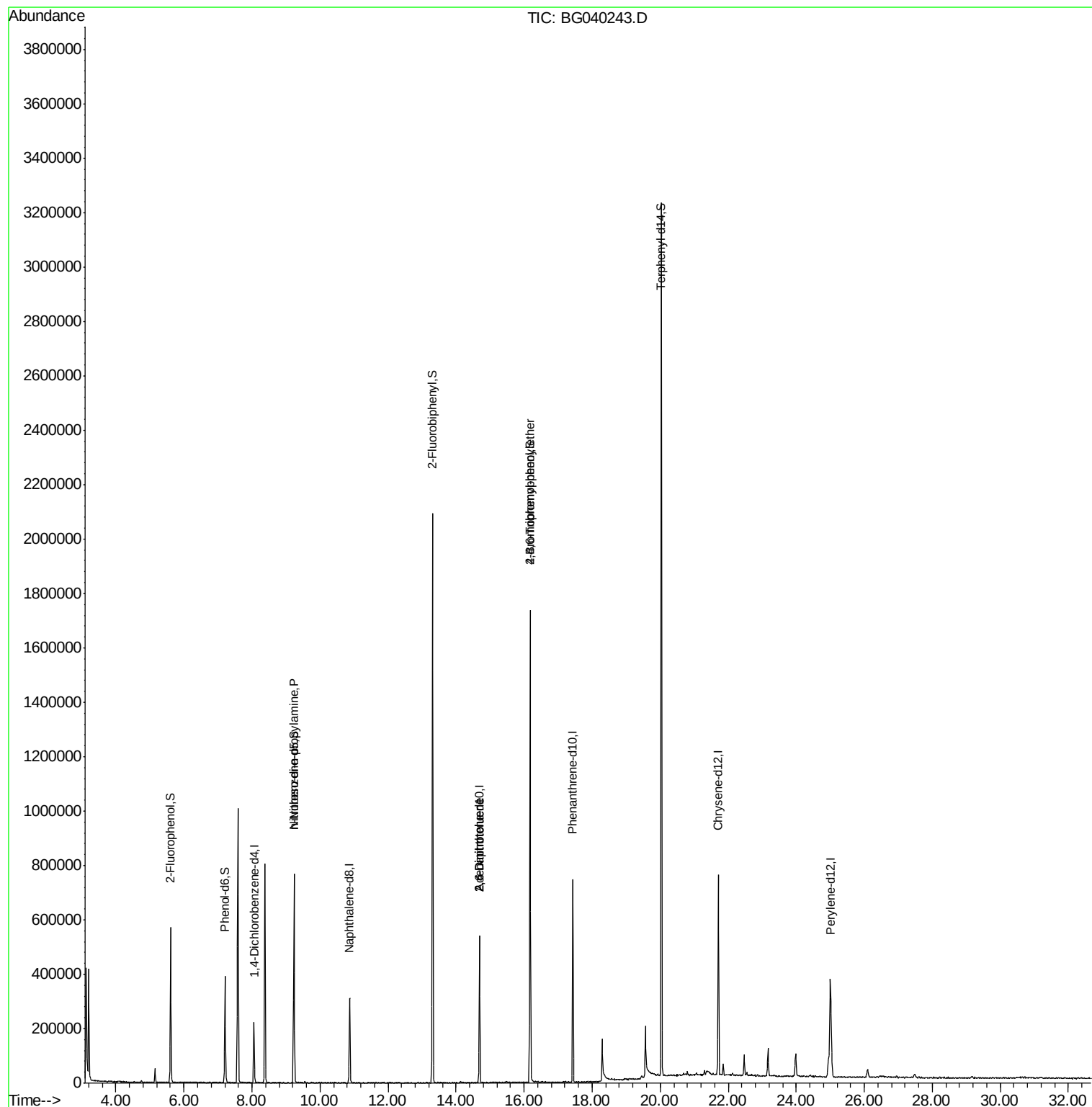
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	62619	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	273327	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	182185	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	452650	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	430199	20.00	ng	-0.02
87) Perylene-d12	25.00	264	443897	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	247945	65.82	ng	-0.01
7) Phenol-d6	7.21	99	230655	44.31	ng	-0.02
23) Nitrobenzene-d5	9.23	82	459350	89.33	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	307514	156.18	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1085619	88.30	ng	-0.01
79) Terphenyl-d14	20.04	244	1542947	80.69	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	57770	15.478	ng	# 73
51) 2,6-Dinitrotoluene	14.69	165	23677	7.395	ng	# 25
57) 2,4-Dinitrotoluene	14.69	165	23677	5.322	ng	# 25
67) 4-Bromophenyl-phenylether	16.18	248	24471	4.804	ng	# 1

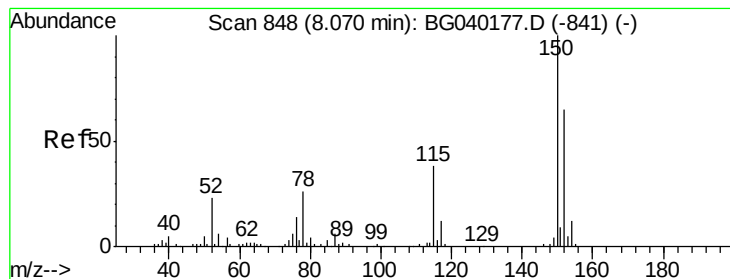
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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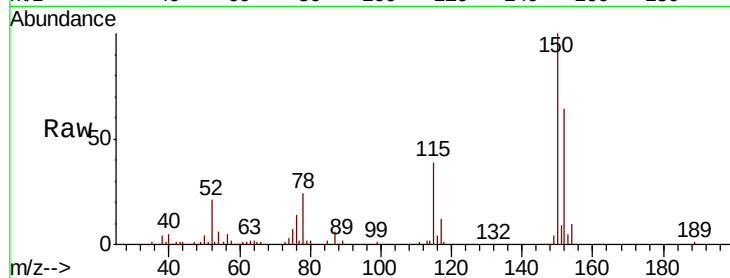


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BG040243.D
 Acq: 30 Mar 2019 2:36

Instrument :
 BNA_G
 ClientSampleId :
 MW-7

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.7	185.5
115	60.6	46.9	70.3

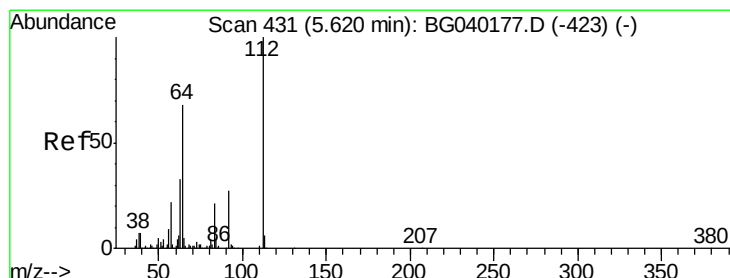
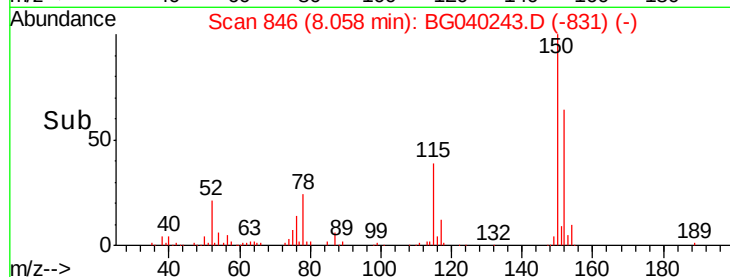
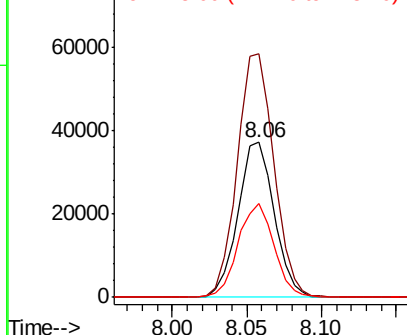


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

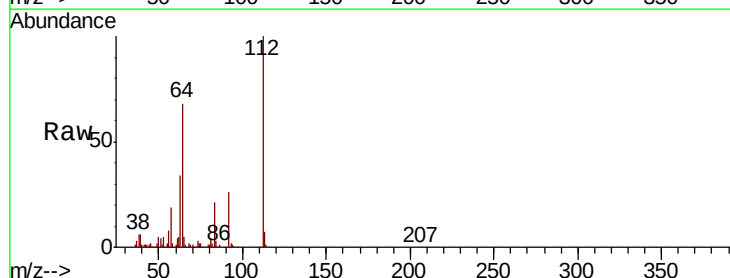
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 65.825 ng
 RT: 5.61 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: BG040243.D
 Acq: 30 Mar 2019 2:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	54.2	81.2
63	33.7	26.4	39.6

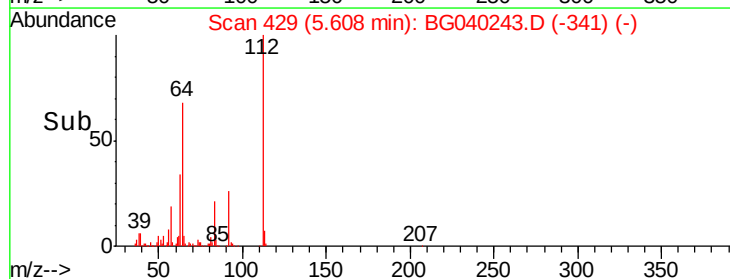
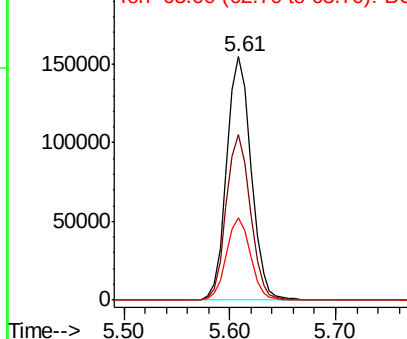


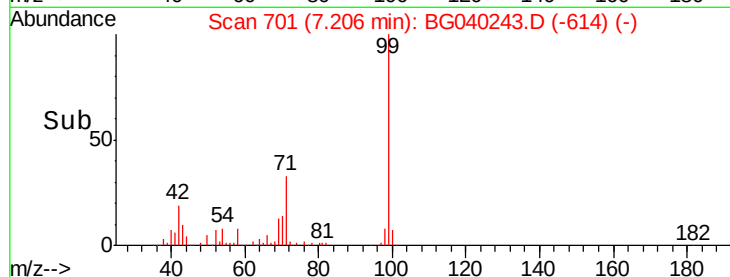
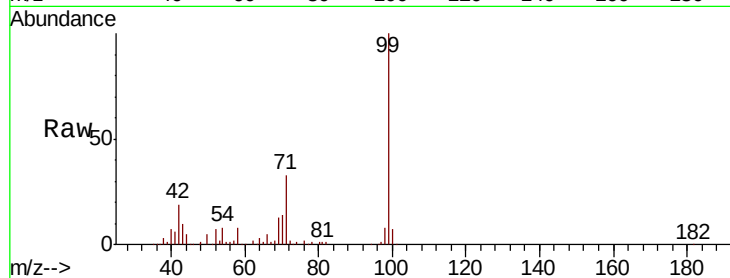
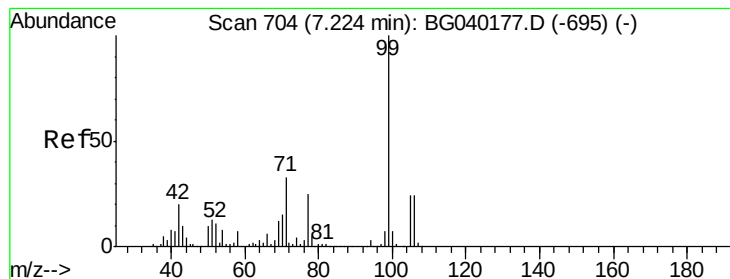
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 44.308 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040243.D

Acq: 30 Mar 2019 2:36

Instrument :

BNA_G

ClientSampleId :

MW-7

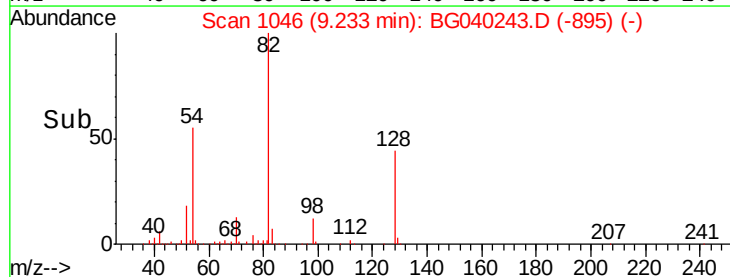
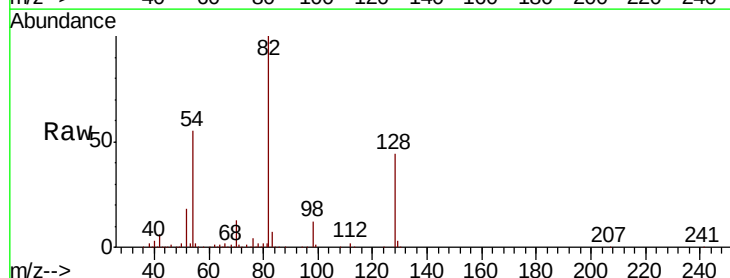
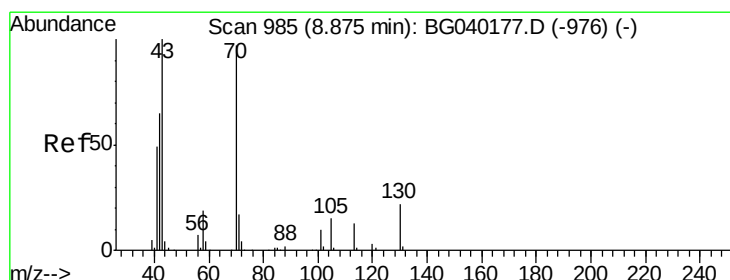
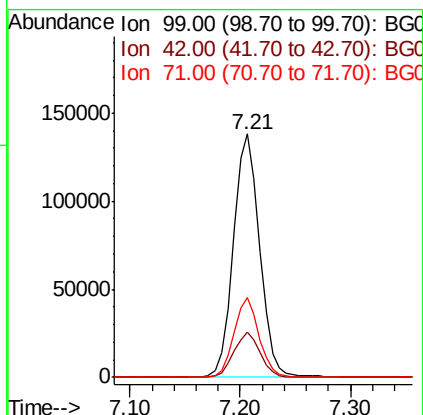
Tgt Ion: 99 Resp: 230655

Ion Ratio Lower Upper

99 100

42 18.8 16.2 24.2

71 32.7 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.478 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.36 min

Lab File: BG040243.D

Acq: 30 Mar 2019 2:36

Tgt Ion: 70 Resp: 57770

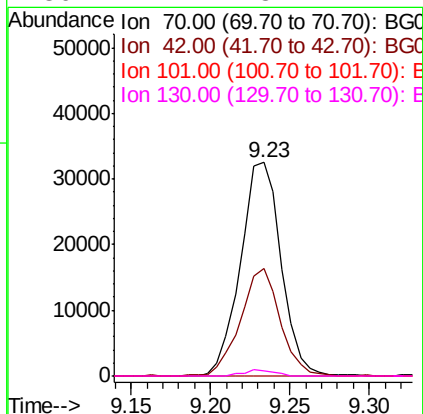
Ion Ratio Lower Upper

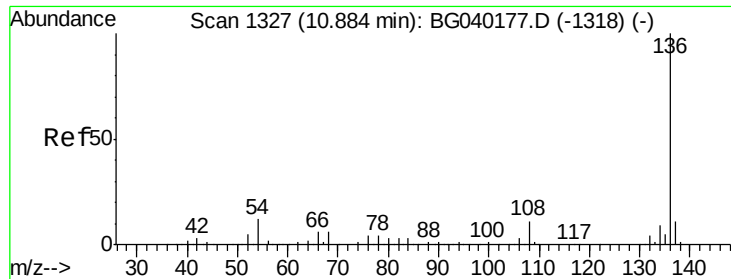
70 100

42 50.2 54.0 81.0#

101 0.0 8.6 13.0#

130 2.2 18.2 27.2#

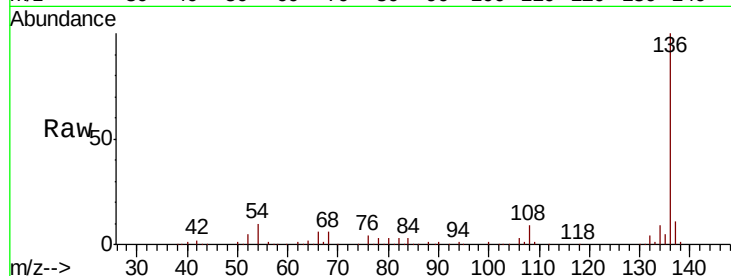




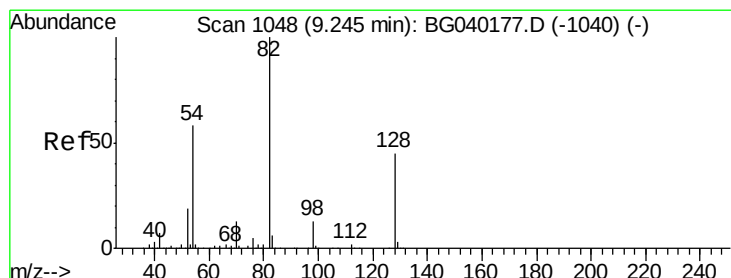
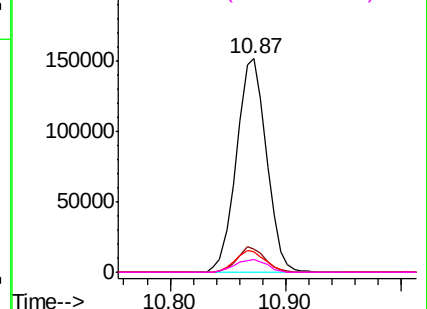
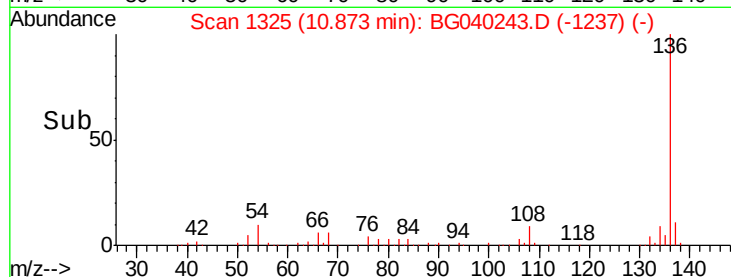
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG040243.D
Acq: 30 Mar 2019 2:36

Instrument :
BNA_G
ClientSampleId :
MW-7

Tgt Ion:	136	Resp:	273327
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.9	9.6	14.4
68	6.0	5.1	7.7

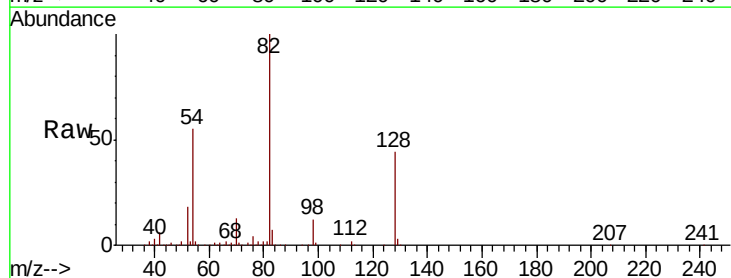


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

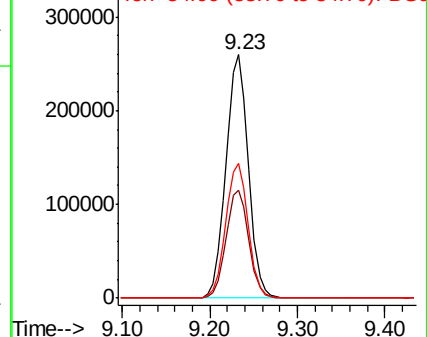
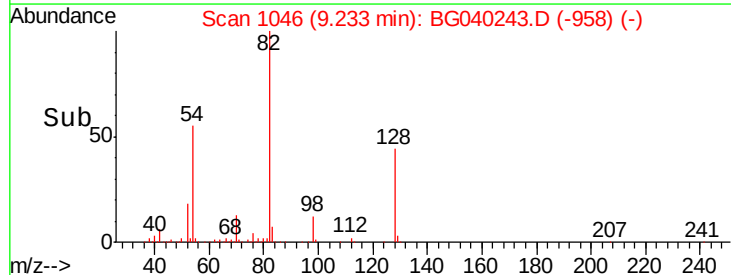


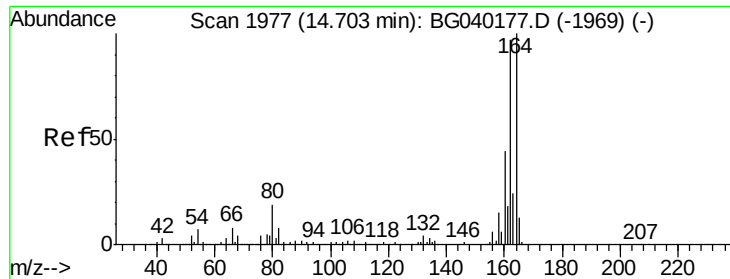
#23
Nitrobenzene-d5
Concen: 89.329 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG040243.D
Acq: 30 Mar 2019 2:36

Tgt Ion:	82	Resp:	459350
Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.8	53.8
54	55.5	46.2	69.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BG040243.D

Acq: 30 Mar 2019 2:36

Instrument :

BNA_G

ClientSampleId :

MW-7

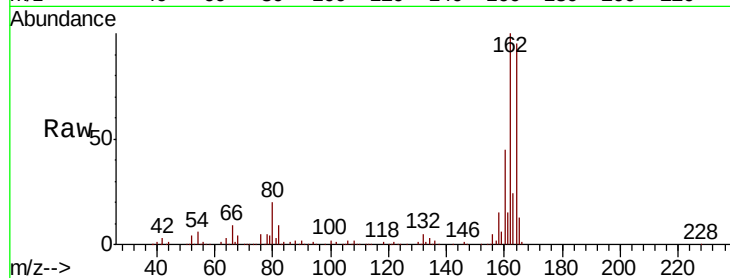
Tgt Ion:164 Resp: 182185

Ion Ratio Lower Upper

164 100

162 104.9 77.4 116.2

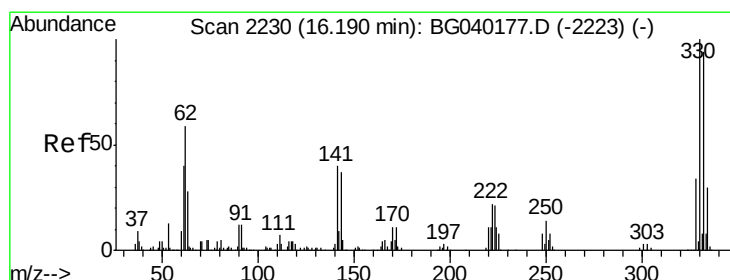
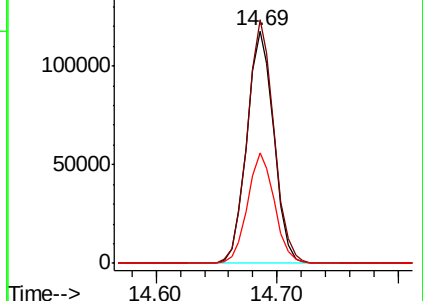
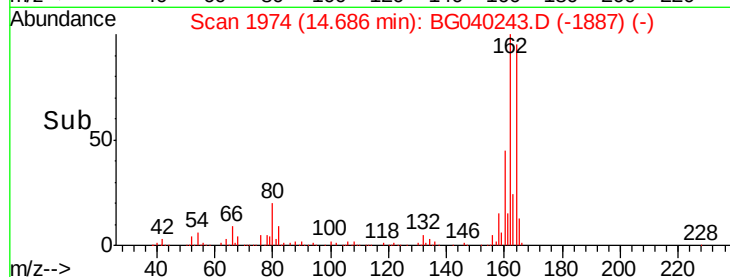
160 47.7 35.3 52.9



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: 156.182 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG040243.D

Acq: 30 Mar 2019 2:36

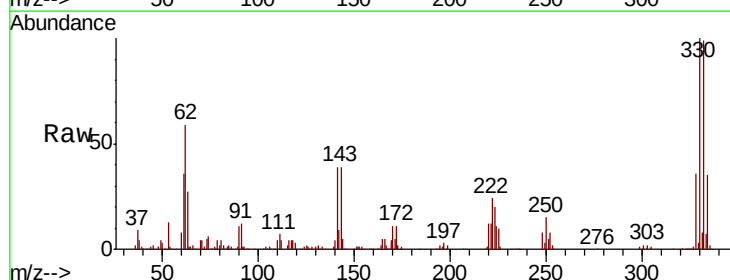
Tgt Ion:330 Resp: 307514

Ion Ratio Lower Upper

330 100

332 97.8 76.6 115.0

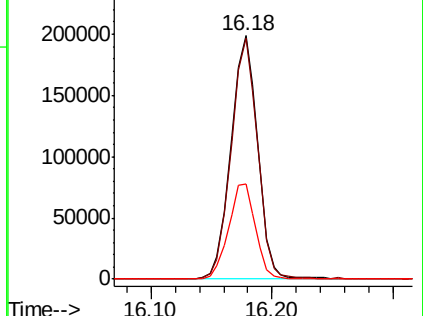
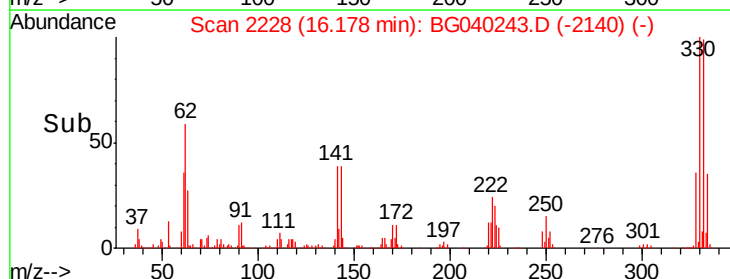
141 39.2 32.6 48.8

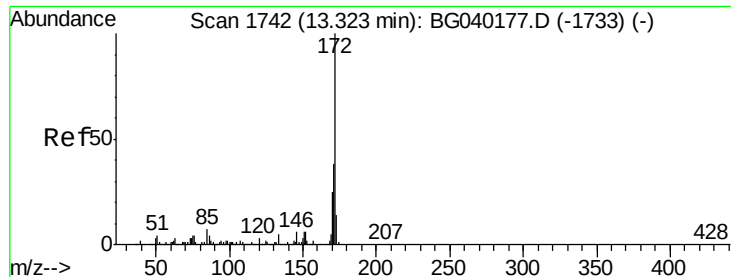


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

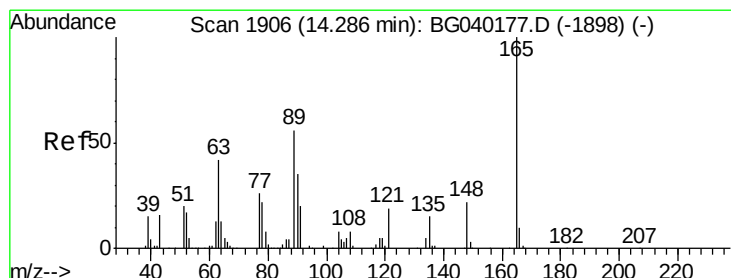
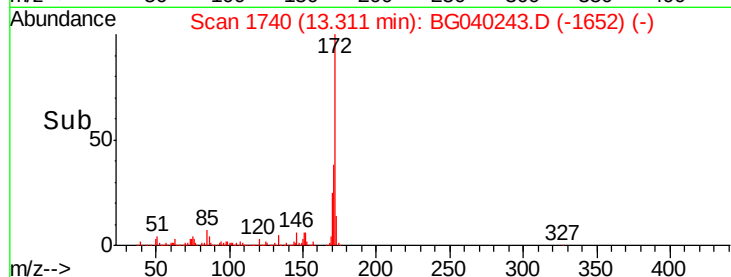
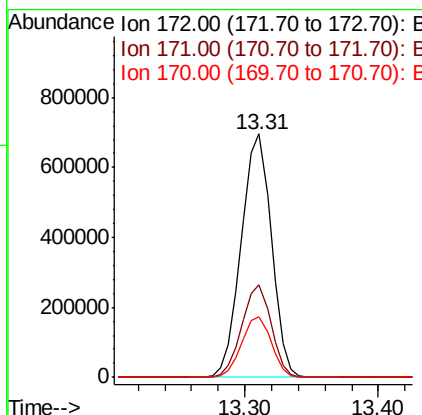
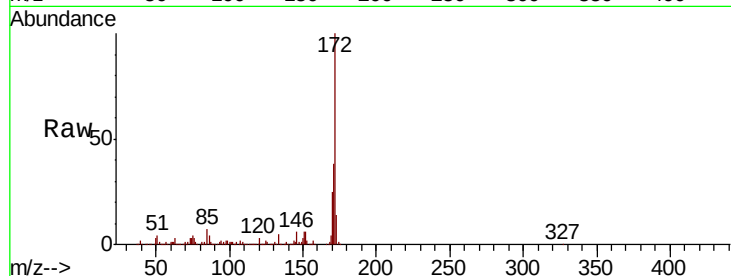




#45
2-Fluorobiphenyl
Concen: 88.296 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG040243.D
Acq: 30 Mar 2019 2:36

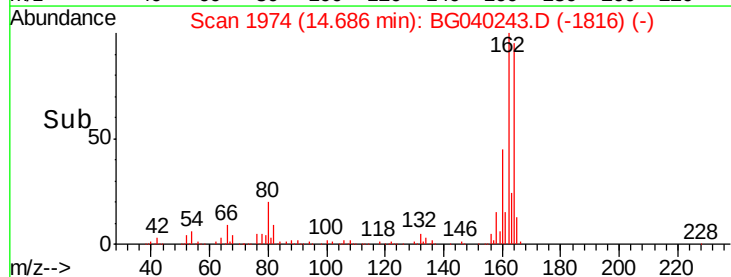
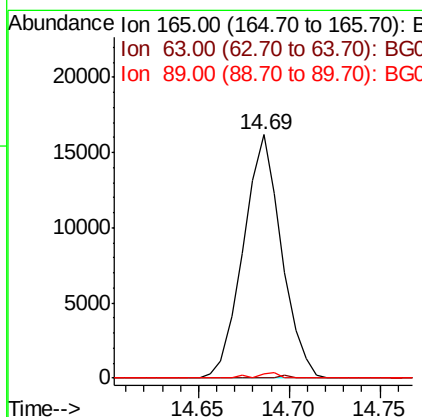
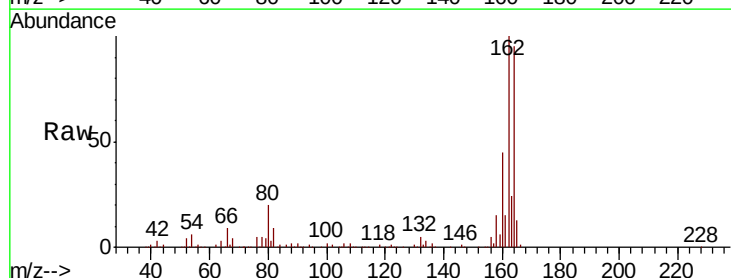
Instrument :
BNA_G
ClientSampleId :
MW-7

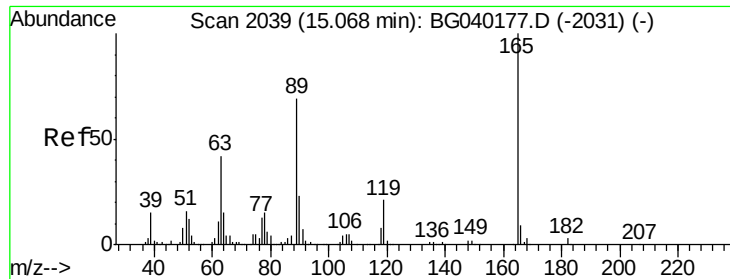
Tgt Ion:172 Resp: 1085619
Ion Ratio Lower Upper
172 100
171 38.0 30.5 45.7
170 24.8 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.395 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.40 min
Lab File: BG040243.D
Acq: 30 Mar 2019 2:36

Tgt Ion:165 Resp: 23677
Ion Ratio Lower Upper
165 100
63 0.0 44.1 66.1#
89 1.7 44.9 67.3#

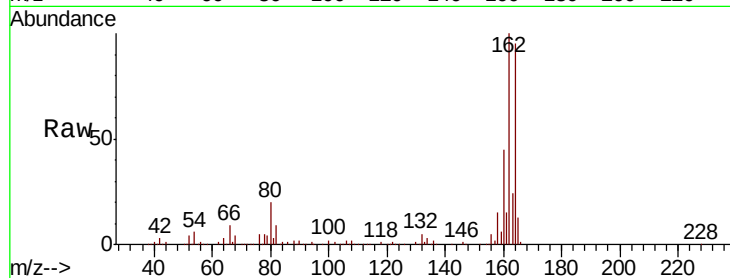




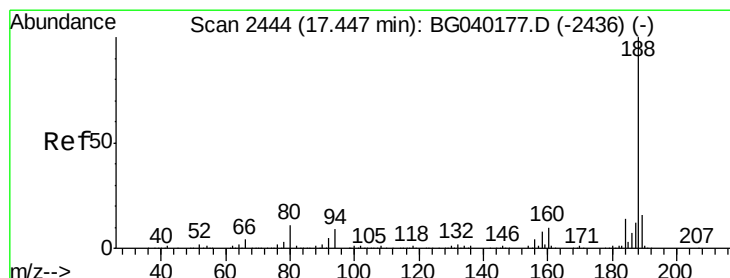
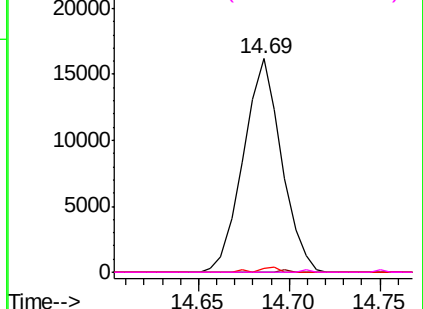
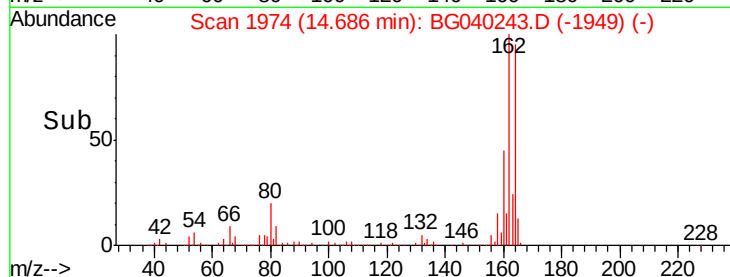
#57
 2,4-Dinitrotoluene
 Concen: 5.322 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG040243.D
 Acq: 30 Mar 2019 2:36

Instrument :
 BNA_G
 ClientSampled :
 MW-7

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.6#
89	1.7	55.4	83.2#
182	0.0	2.2	3.4#

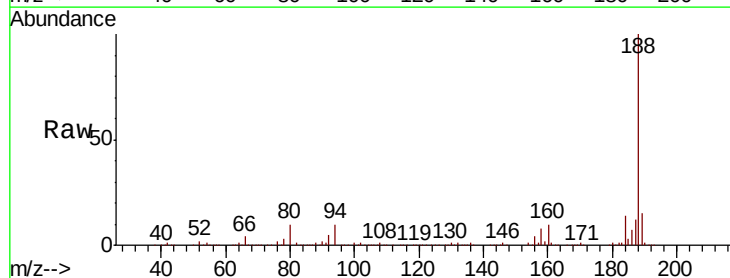


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

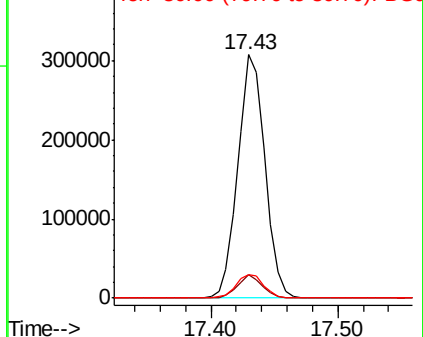
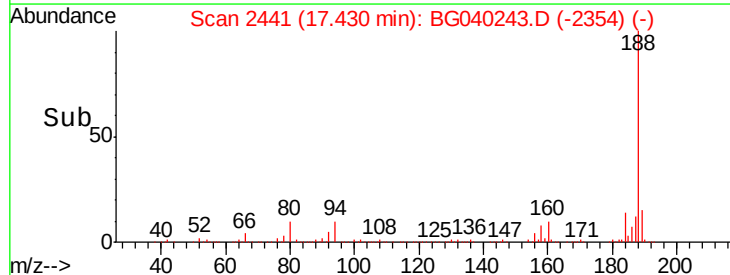


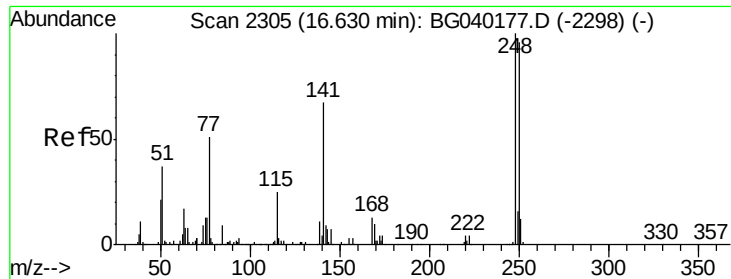
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.02 min
 Lab File: BG040243.D
 Acq: 30 Mar 2019 2:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.0	10.4
80	9.7	8.6	13.0



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

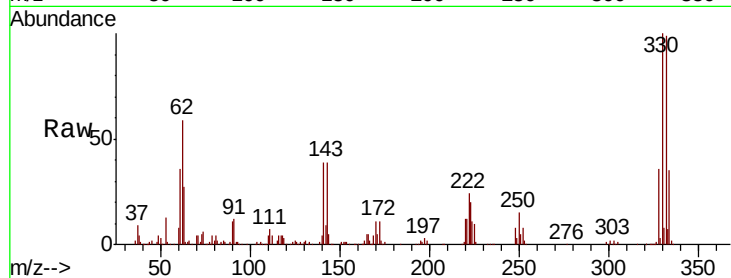




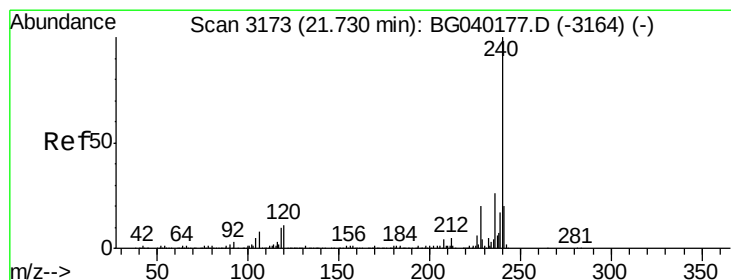
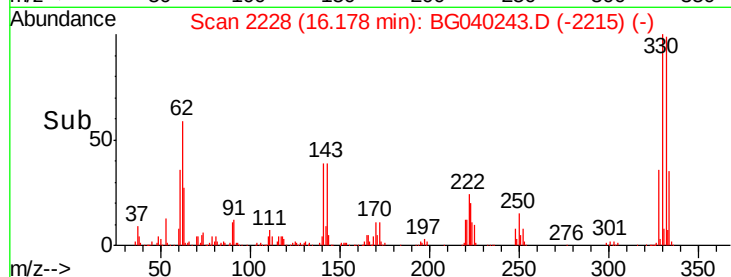
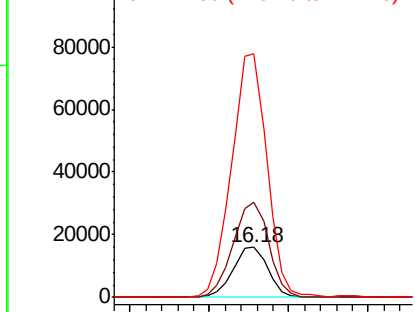
#67
4-Bromophenyl-phenylether
Concen: 4.804 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG040243.D
Acq: 30 Mar 2019 2:36

Instrument :
BNA_G
ClientSampled :
MW-7

Tgt Ion:248 Resp: 24471
Ion Ratio Lower Upper
248 100
250 191.5 76.4 114.6#
141 489.5 53.8 80.8#

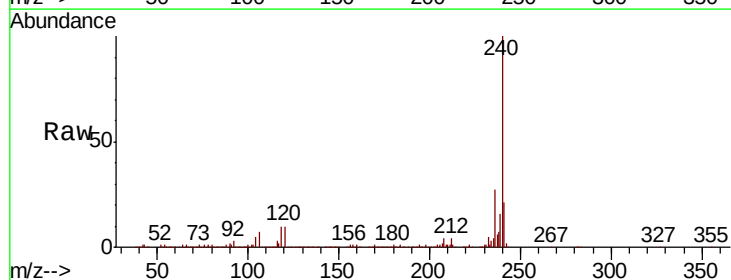


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

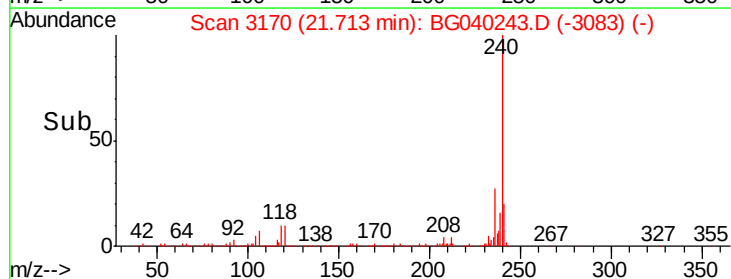
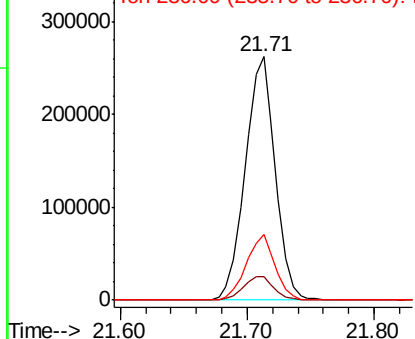


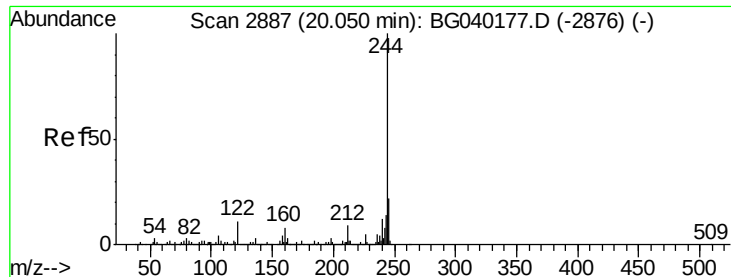
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.02 min
Lab File: BG040243.D
Acq: 30 Mar 2019 2:36

Tgt Ion:240 Resp: 430199
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 26.7 20.8 31.2



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: 80.686 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG040243.D

Acq: 30 Mar 2019 2:36

Instrument :

BNA_G

ClientSampleId :

MW-7

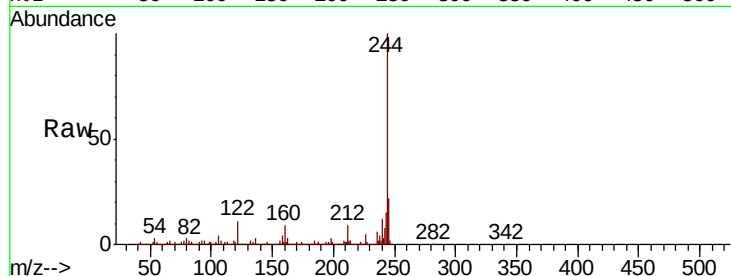
Tgt Ion:244 Resp: 1542947

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

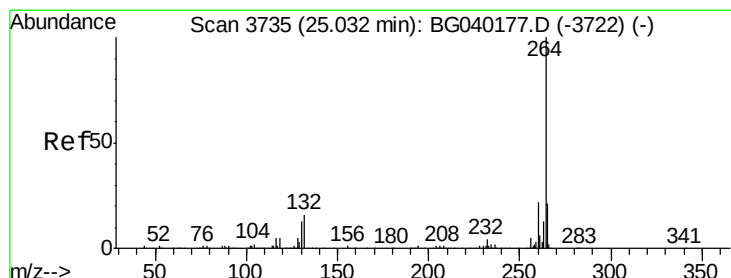
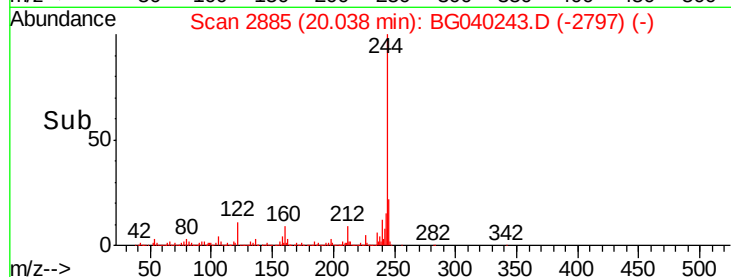
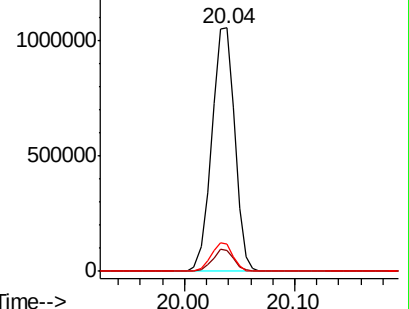
122 11.0 8.5 12.7



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: 25.00 min Scan# 3730

Delta R.T. -0.03 min

Lab File: BG040243.D

Acq: 30 Mar 2019 2:36

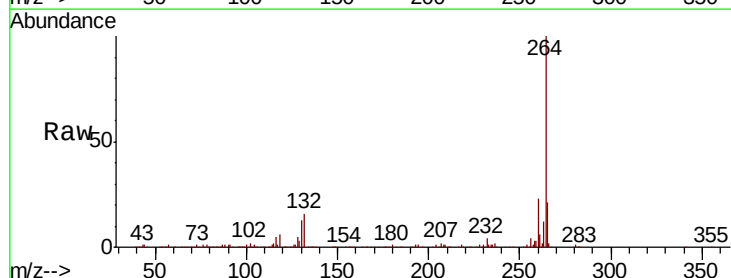
Tgt Ion:264 Resp: 443897

Ion Ratio Lower Upper

264 100

260 23.4 17.9 26.9

265 21.2 16.8 25.2



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

