

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072319\
 Data File : BG041761.D
 Acq On : 23 Jul 2019 18:28
 Operator : HP/JU
 Sample : K3934-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Jul 24 01:13:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	91612	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	349969	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	243695	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	552082	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	606457	20.00	ng	-0.02
87) Perylene-d12	24.83	264	724497	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	293236	52.33	ng	0.00
7) Phenol-d6	7.20	99	257048	34.10	ng	0.00
23) Nitrobenzene-d5	9.20	82	500902	87.04	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	375616	136.77	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1273184	80.90	ng	-0.01
79) Terphenyl-d14	20.00	244	2154315	83.01	ng	-0.01

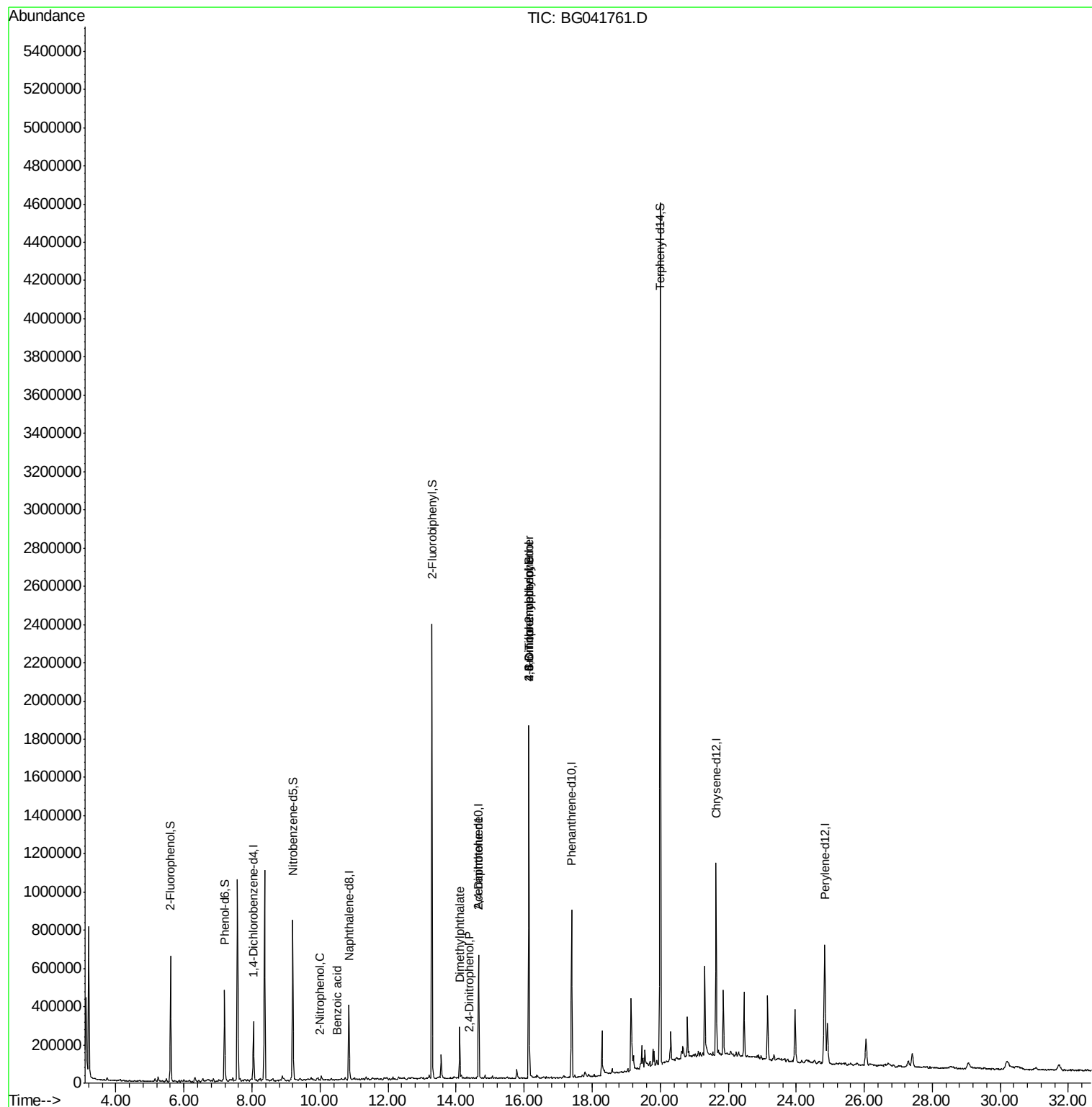
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	928	Below Cal		# 14
26) 2-Nitrophenol	9.98	139	57	4.671	ng	# 1
32) Benzoic acid	10.51	122	61	6.026	ng	92
50) Dimethylphthalate	14.10	163	184863	9.659	ng	98
54) 2,4-Dinitrophenol	14.37	184	470	7.936	ng	# 49
57) 2,4-Dinitrotoluene	14.66	165	32967	6.143	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.14	198	1236	7.080	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	27190	4.139	ng	# 1
77) Benzidine	20.00	184	37140	Below Cal		# 93

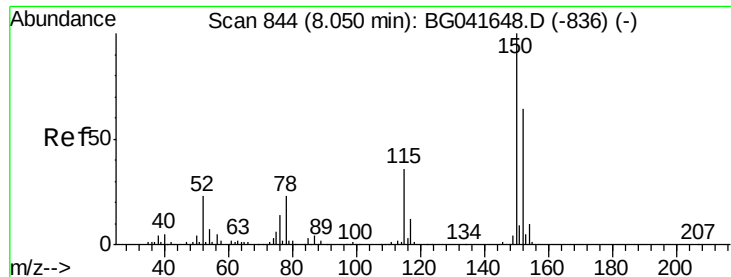
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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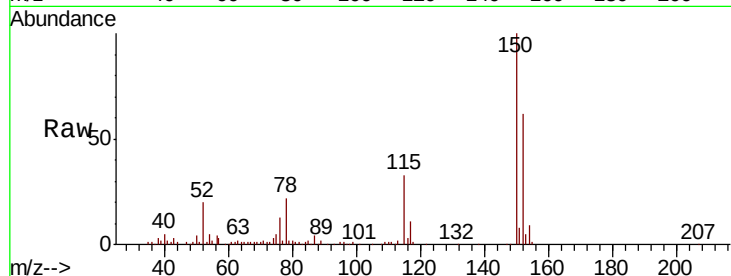


#1

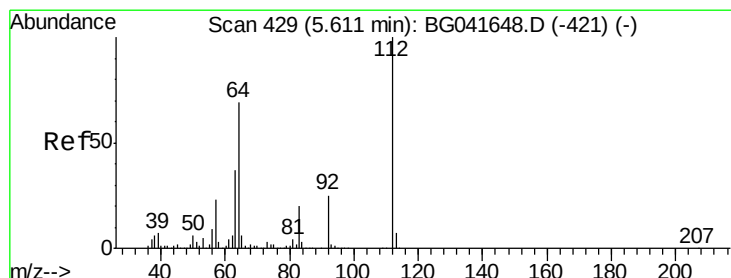
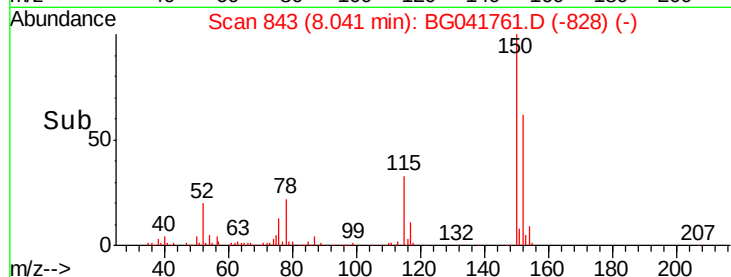
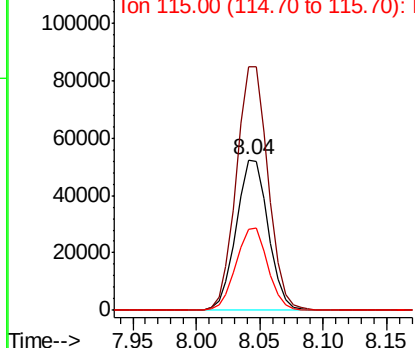
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041761.D
Acq: 23 Jul 2019 18:28

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 91612
Ion Ratio Lower Upper
152 100
150 161.9 126.9 190.3
115 53.7 45.0 67.6



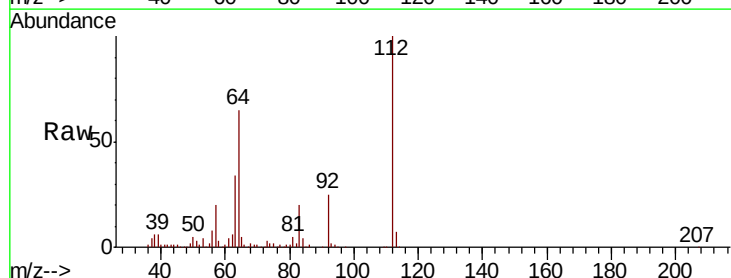
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



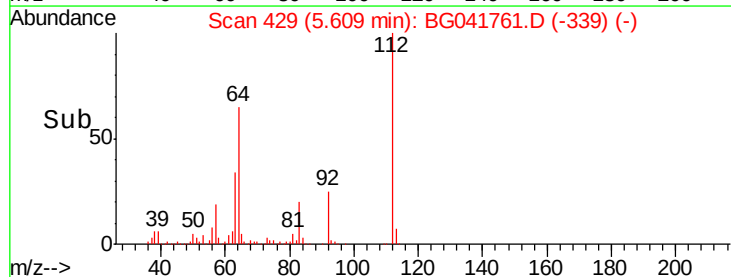
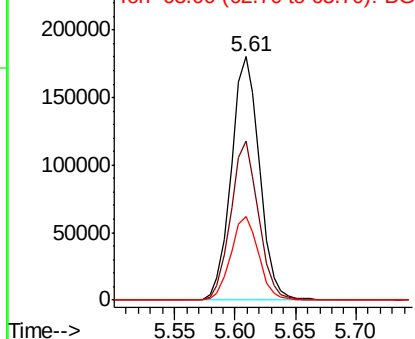
#5

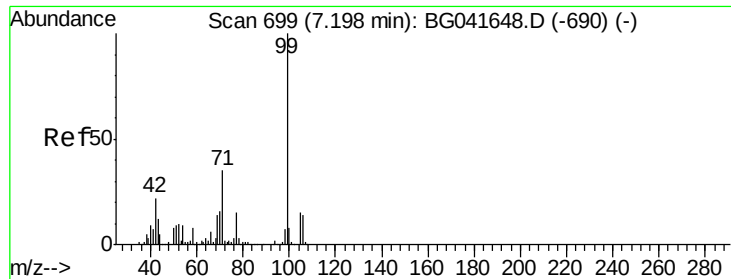
2-Fluorophenol
Concen: 52.326 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041761.D
Acq: 23 Jul 2019 18:28

Tgt Ion:112 Resp: 293236
Ion Ratio Lower Upper
112 100
64 65.3 55.4 83.2
63 34.2 29.1 43.7



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: 34.102 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041761.D

Acq: 23 Jul 2019 18:28

Instrument :

BNA_G

ClientSampleId :

TP-1

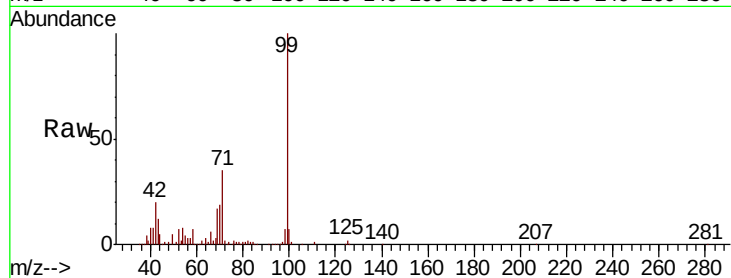
Tgt Ion: 99 Resp: 257048

Ion Ratio Lower Upper

99 100

42 20.3 17.6 26.4

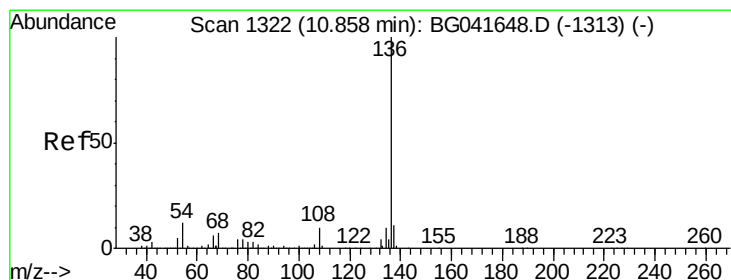
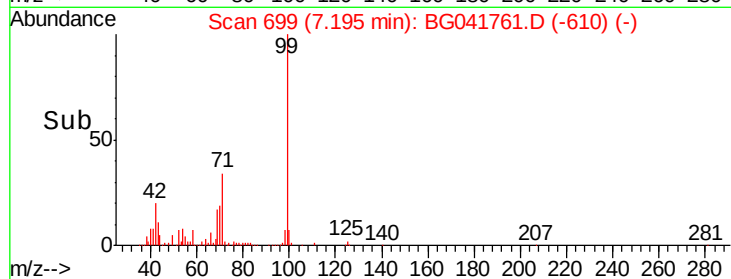
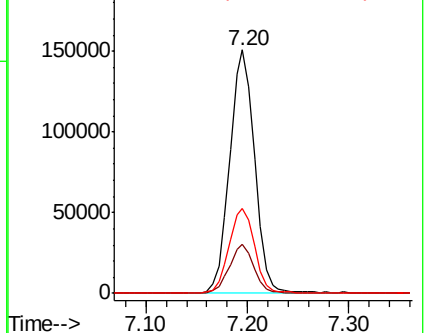
71 34.8 27.8 41.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041761.D

Acq: 23 Jul 2019 18:28

Tgt Ion: 136 Resp: 349969

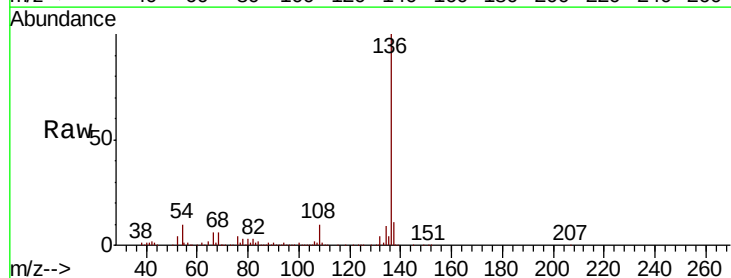
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 9.6 8.7 13.1

68 5.5 5.5 8.3#

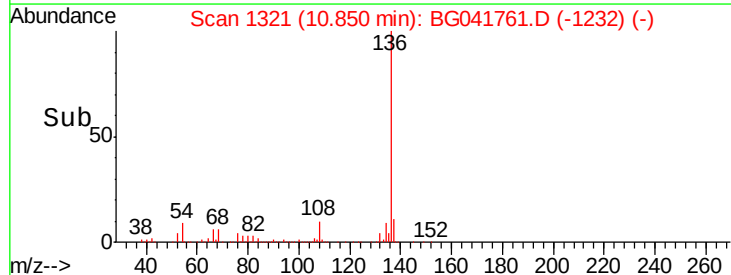
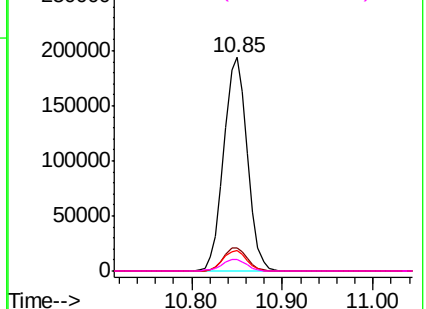


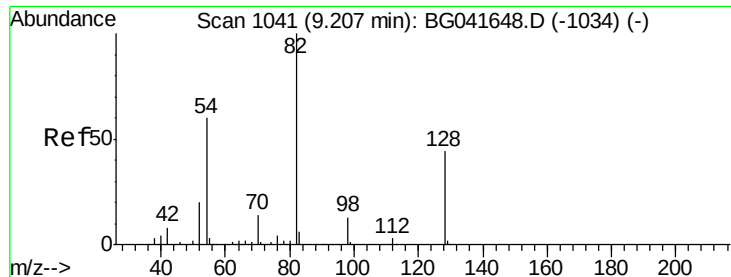
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

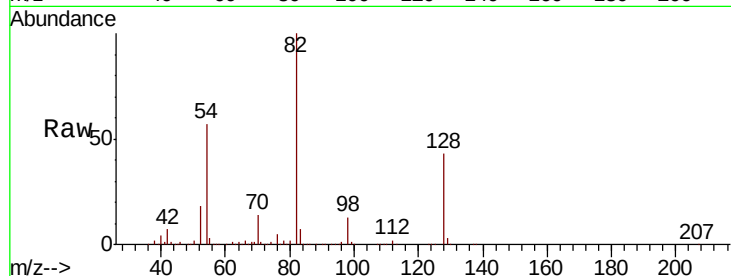




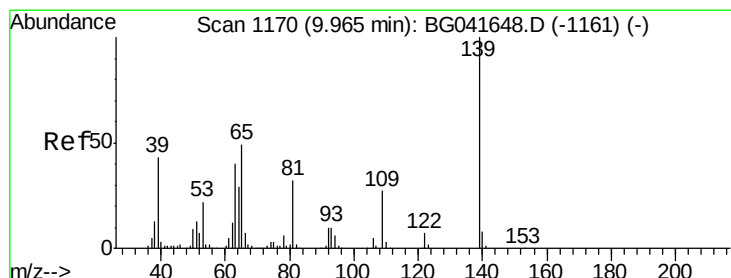
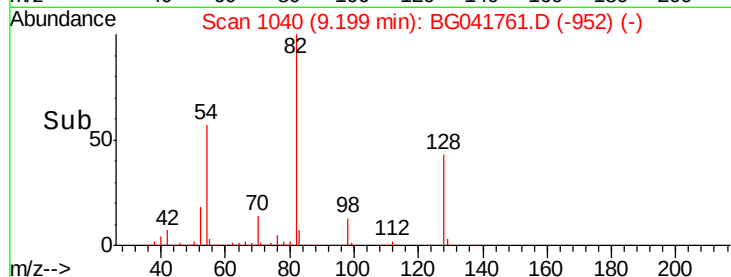
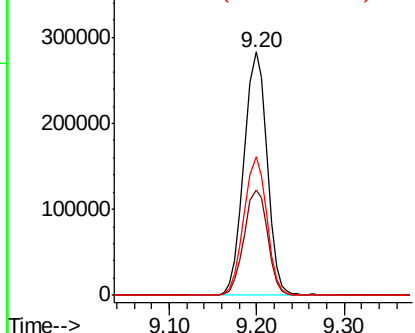
#23
 Nitrobenzene-d5
 Concen: 87.043 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG041761.D
 Acq: 23 Jul 2019 18:28

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion: 82 Resp: 500902
 Ion Ratio Lower Upper
 82 100
 128 43.3 35.1 52.7
 54 56.7 48.7 73.1

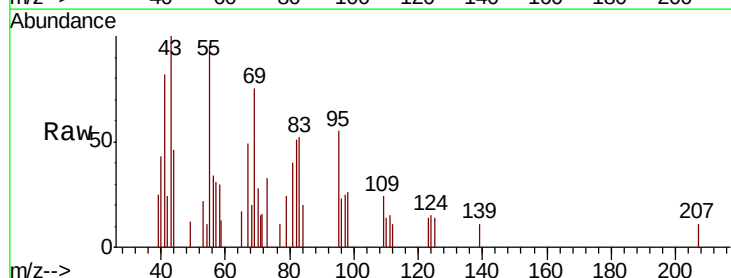


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

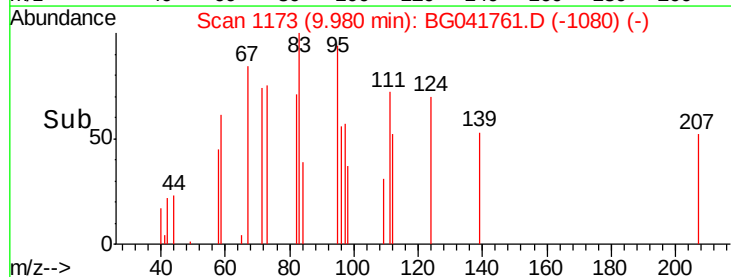
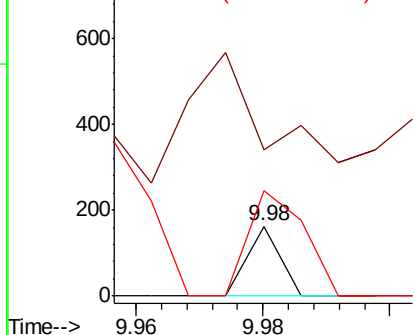


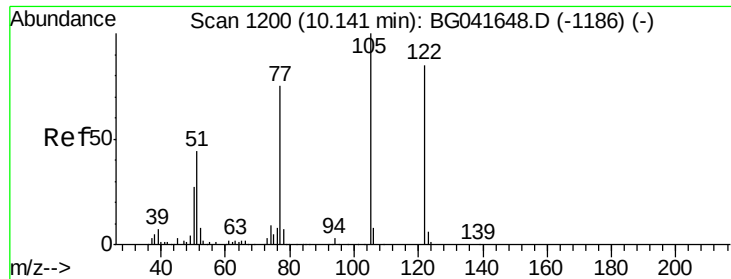
#26
 2-Nitrophenol
 Concen: 4.671 ng
 RT: 9.98 min Scan# 1173
 Delta R.T. 0.02 min
 Lab File: BG041761.D
 Acq: 23 Jul 2019 18:28

Tgt Ion: 139 Resp: 57
 Ion Ratio Lower Upper
 139 100
 109 211.1 22.7 34.1#
 65 150.6 41.1 61.7#



Abundance Ion 139.00 (138.70 to 139.70): BGC
 Ion 109.00 (108.70 to 109.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

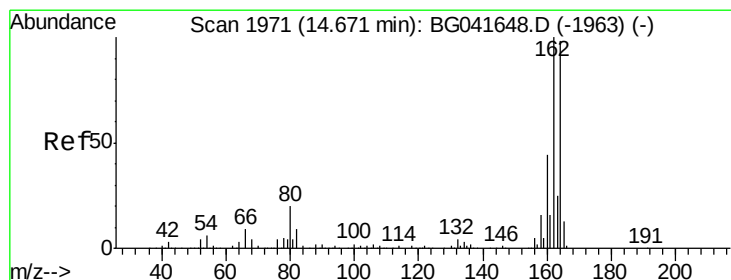
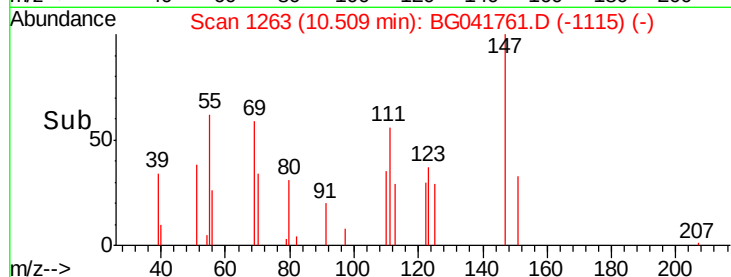
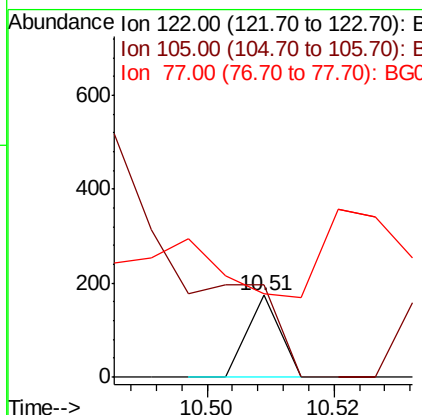
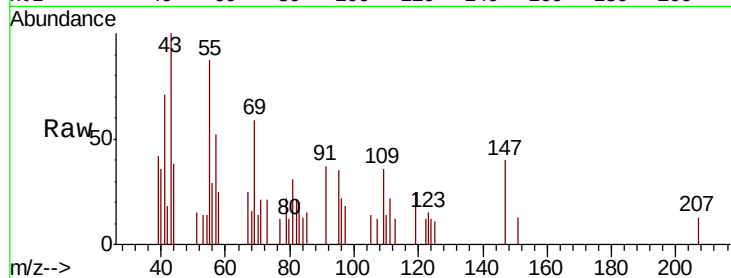




#32
Benzoic acid
Concen: 6.026 ng
RT: 10.51 min Scan# 1263
Delta R.T. 0.34 min
Lab File: BG041761.D
Acq: 23 Jul 2019 18:28

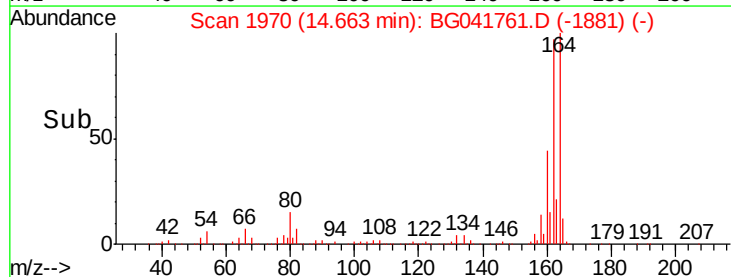
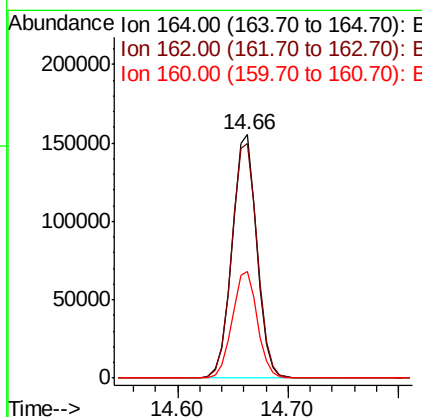
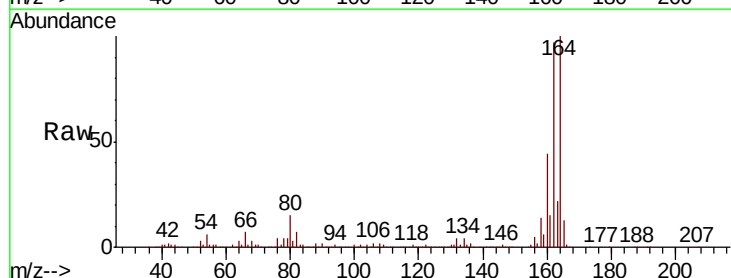
Instrument :
BNA_G
ClientSampled :
TP-1

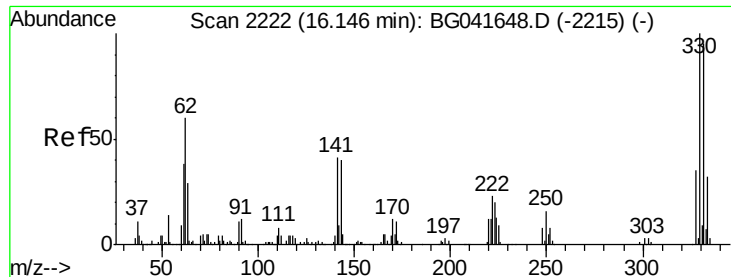
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 113.2 101.5 141.5
77 101.7 73.0 113.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041761.D
Acq: 23 Jul 2019 18:28

Tgt Ion:164 Resp: 243695
Ion Ratio Lower Upper
164 100
162 96.5 79.6 119.4
160 44.0 35.4 53.0

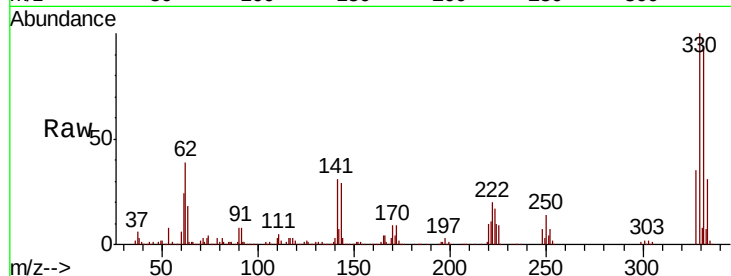




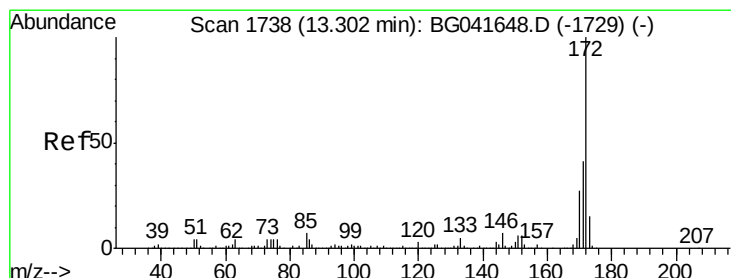
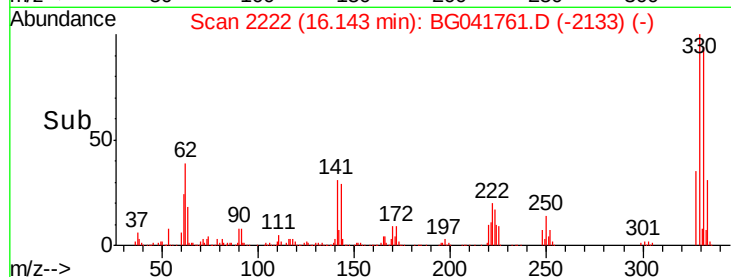
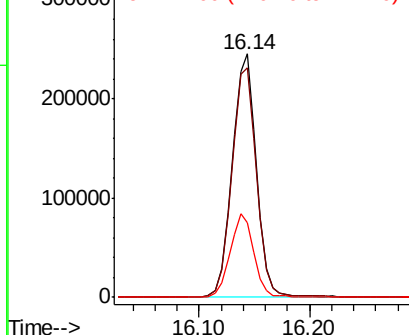
#42
 2,4,6-Tribromophenol
 Concen: 136.766 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041761.D
 Acq: 23 Jul 2019 18:28

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:330 Resp: 375616
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.0
 141 33.7 31.9 47.9

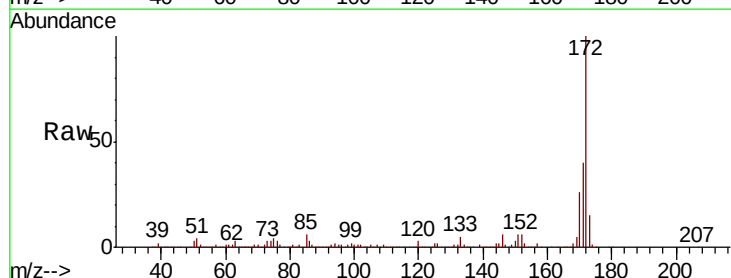


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

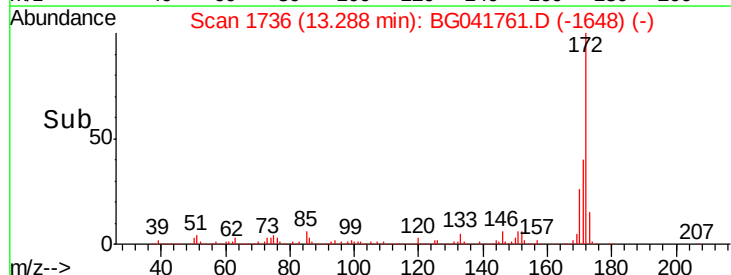
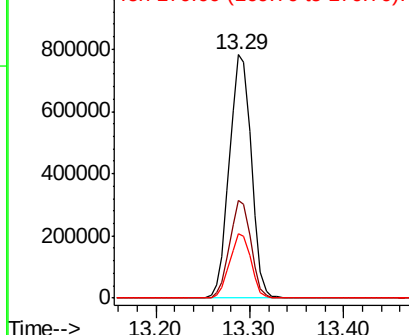


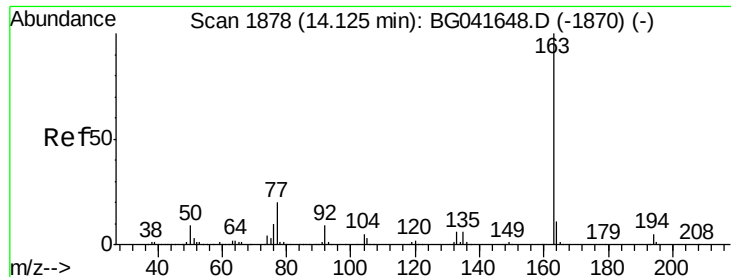
#45
 2-Fluorobiphenyl
 Concen: 80.901 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG041761.D
 Acq: 23 Jul 2019 18:28

Tgt Ion:172 Resp: 1273184
 Ion Ratio Lower Upper
 172 100
 171 40.1 35.0 52.4
 170 26.4 23.5 35.3



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: 9.659 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BG041761.D

Acq: 23 Jul 2019 18:28

Instrument :

BNA_G

ClientSampleId :

TP-1

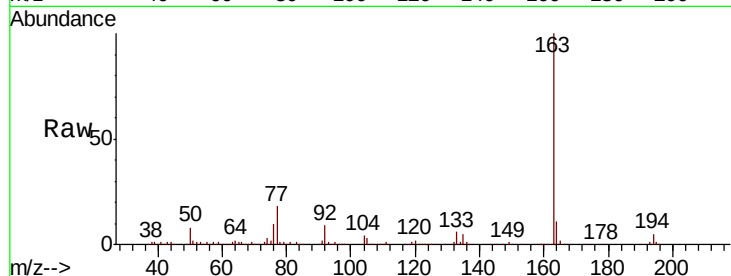
Tgt Ion:163 Resp: 184863

Ion Ratio Lower Upper

163 100

194 4.9 4.2 6.2

164 10.9 9.4 14.2



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

150000

100000

50000

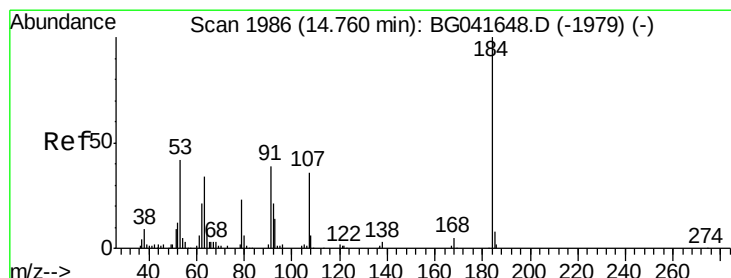
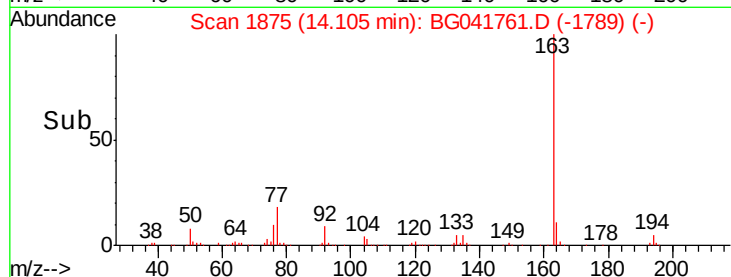
0

14.10

14.10

14.20

Time-->



#54

2,4-Dinitrophenol

Concen: 7.936 ng

RT: 14.37 min Scan# 1920

Delta R.T. -0.39 min

Lab File: BG041761.D

Acq: 23 Jul 2019 18:28

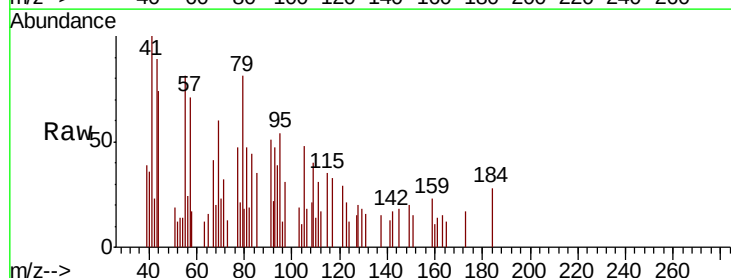
Tgt Ion:184 Resp: 470

Ion Ratio Lower Upper

184 100

63 44.0 43.2 64.8

154 0.0 51.4 77.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

500

400

300

200

100

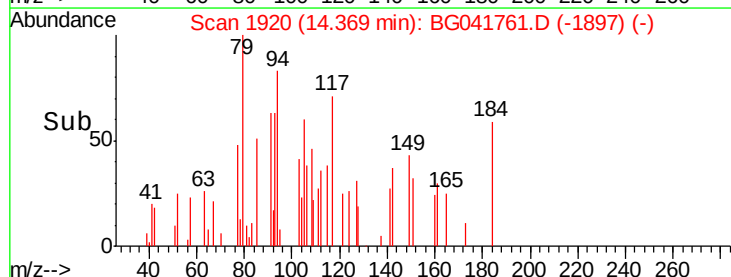
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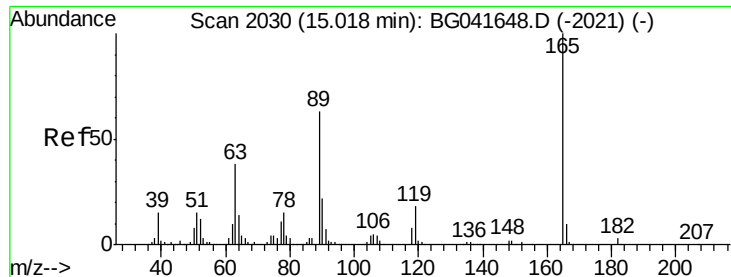
14.37

14.37

14.40

Time-->

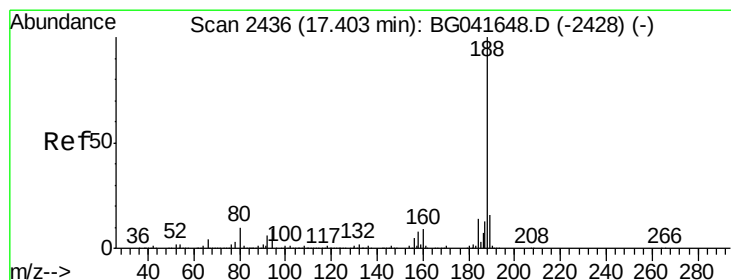
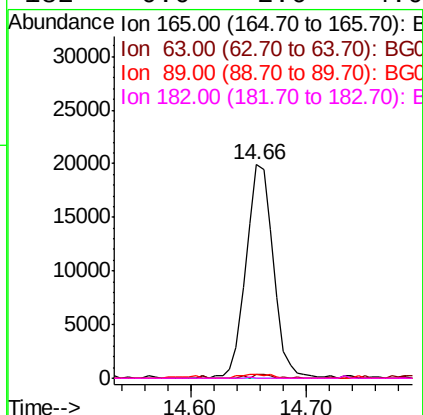
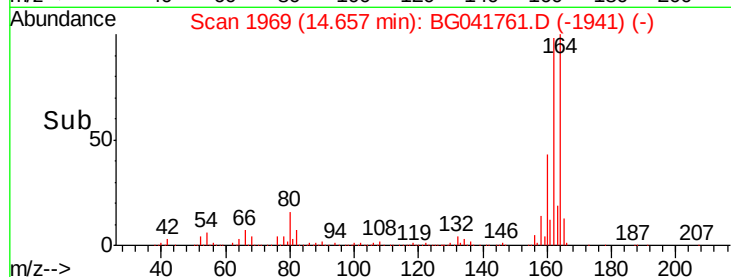
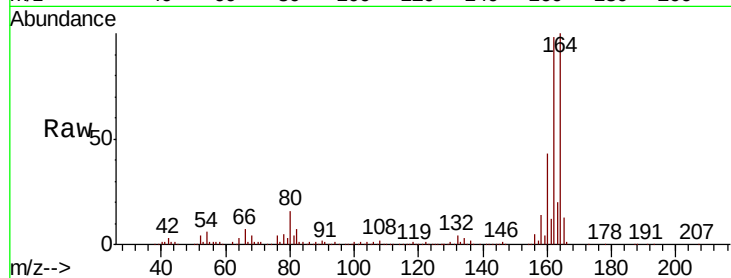




#57
 2,4-Dinitrotoluene
 Concen: 6.143 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG041761.D
 Acq: 23 Jul 2019 18:28

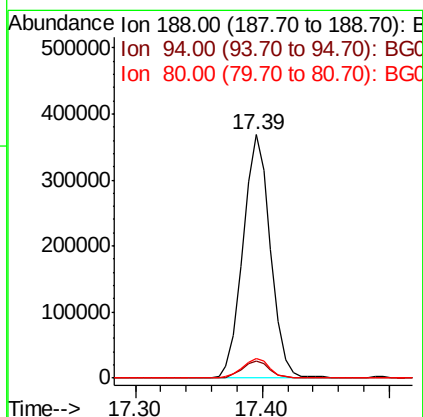
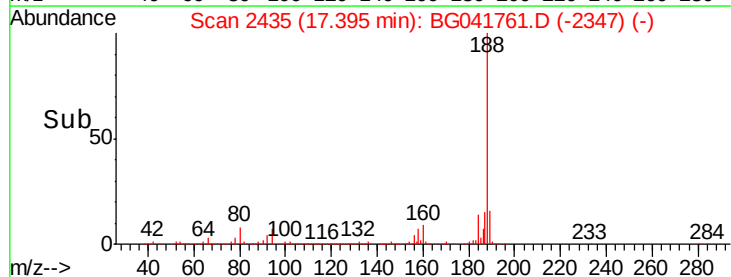
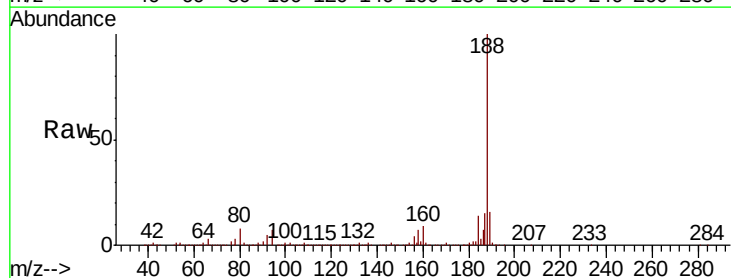
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

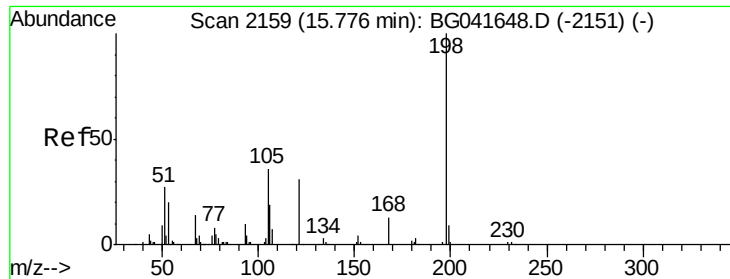
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	31.7	47.5#
89	1.6	50.2	75.4#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG041761.D
 Acq: 23 Jul 2019 18:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.9	10.3#
80	7.9	8.0	12.0#

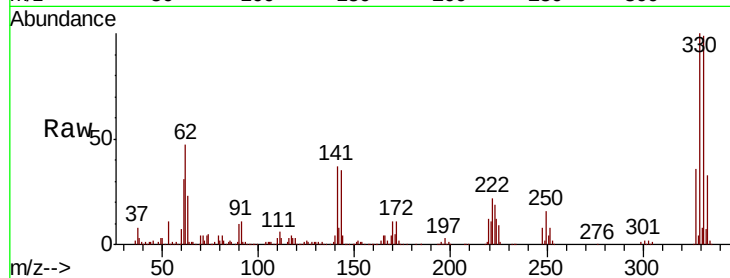




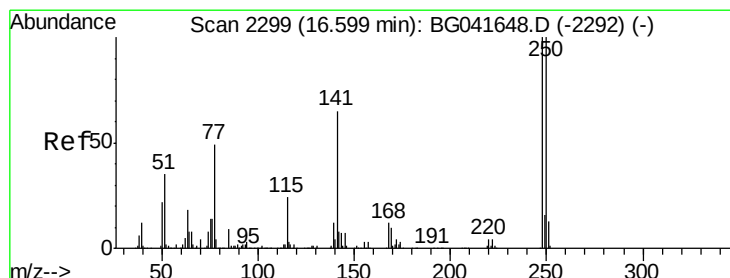
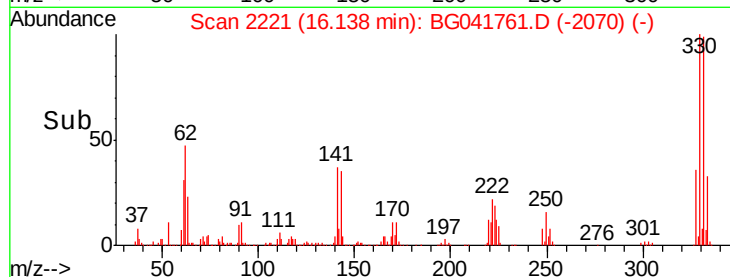
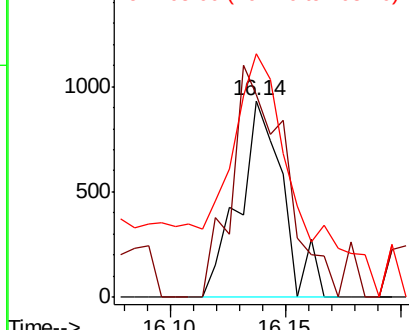
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.080 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.36 min
 Lab File: BG041761.D
 Acq: 23 Jul 2019 18:28

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:198 Resp: 1236
 Ion Ratio Lower Upper
 198 100
 51 103.4 22.3 62.3#
 105 123.9 18.0 58.0#

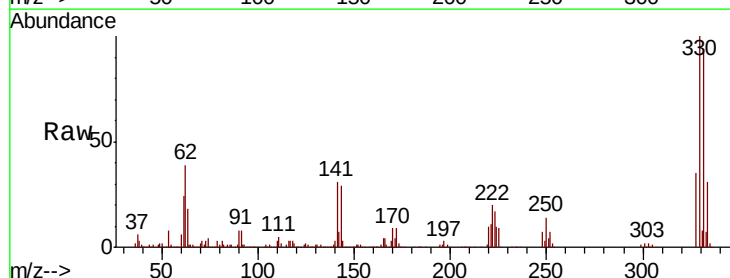


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

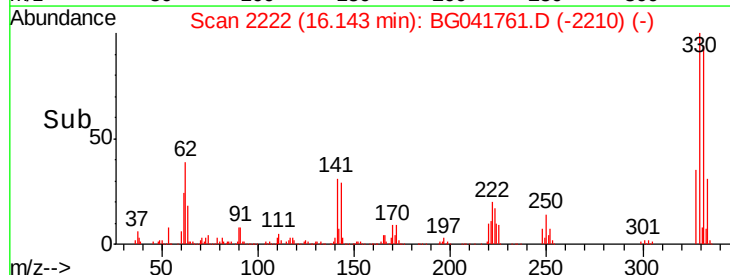
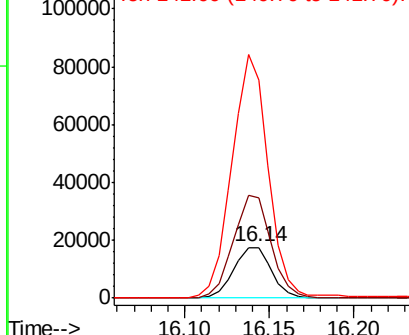


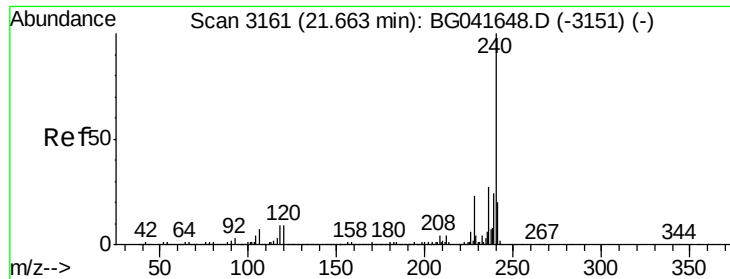
#67
 4-Bromophenyl-phenylether
 Concen: 4.139 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041761.D
 Acq: 23 Jul 2019 18:28

Tgt Ion:248 Resp: 27190
 Ion Ratio Lower Upper
 248 100
 250 197.2 78.1 117.1#
 141 427.7 49.6 74.4#



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

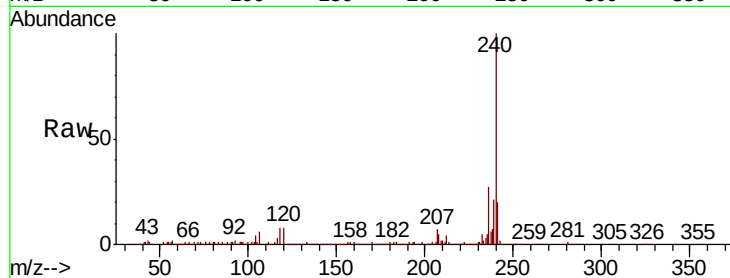




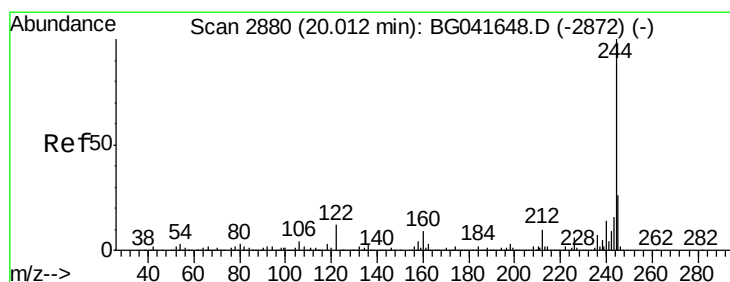
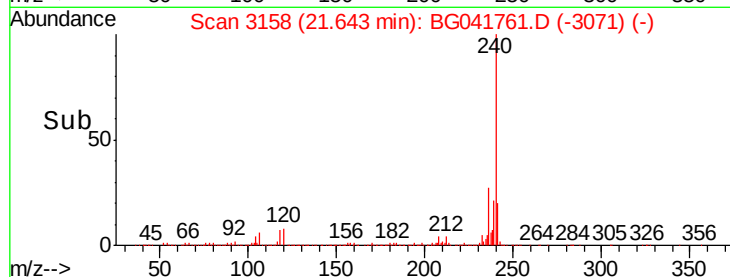
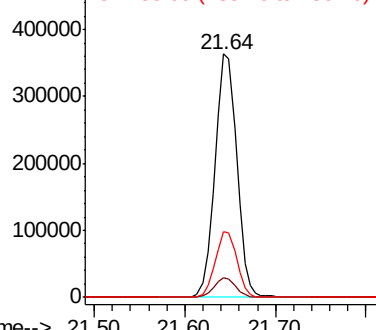
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.02 min
Lab File: BG041761.D
Acq: 23 Jul 2019 18:28

Instrument :
BNA_G
ClientSampled :
TP-1

Tgt Ion:240 Resp: 606457
Ion Ratio Lower Upper
240 100
120 8.1 8.0 12.0
236 26.8 22.6 33.8

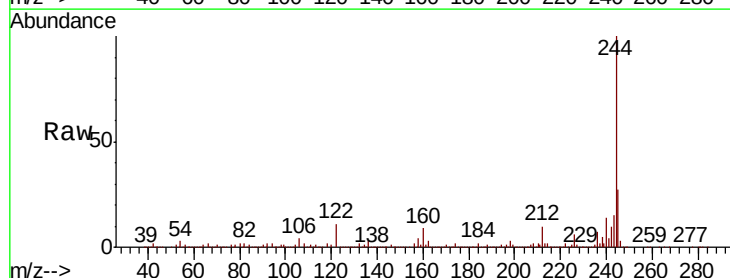


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

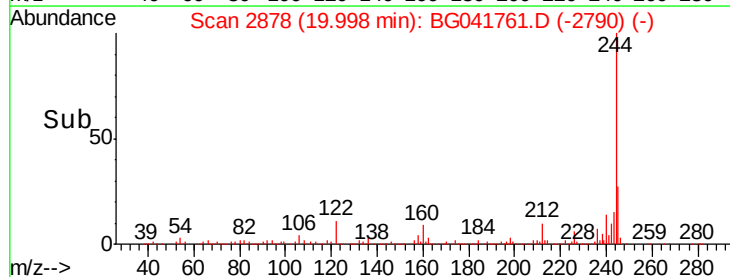
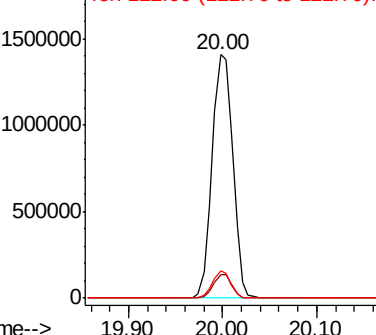


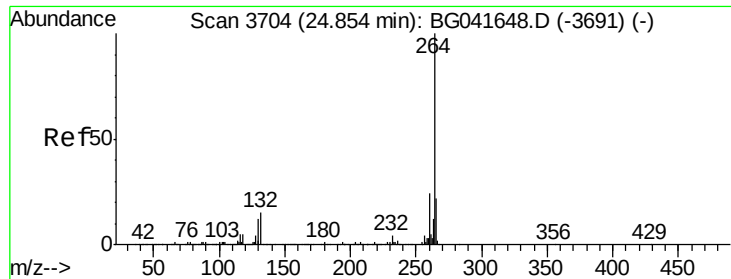
#79
Terphenyl-d14
Concen: 83.013 ng
RT: 20.00 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BG041761.D
Acq: 23 Jul 2019 18:28

Tgt Ion:244 Resp: 2154315
Ion Ratio Lower Upper
244 100
212 9.9 9.7 14.5
122 11.0 12.5 18.7#



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: 24.83 min Scan# 3701
Delta R.T. -0.03 min
Lab File: BG041761.D
Acq: 23 Jul 2019 18:28

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.3	18.0	27.0

