

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
 Data File : BG041674.D
 Acq On : 16 Jul 2019 18:54
 Operator : HP/JU
 Sample : K3622-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 17 01:39:58 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	8.05	152	110790	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	468915	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	287888	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	700052	20.00	ng	0.00
76) Chrysene-d12	21.65	240	686436	20.00	ng	0.00
87) Perylene-d12	24.85	264	770079	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	789029	116.42	ng	0.00
7) Phenol-d6	7.20	99	1013733	111.21	ng	0.00
23) Nitrobenzene-d5	9.20	82	737689	95.67	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	457086	140.88	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1675972	90.15	ng	0.00
79) Terphenyl-d14	20.01	244	2503693	85.23	ng	0.00

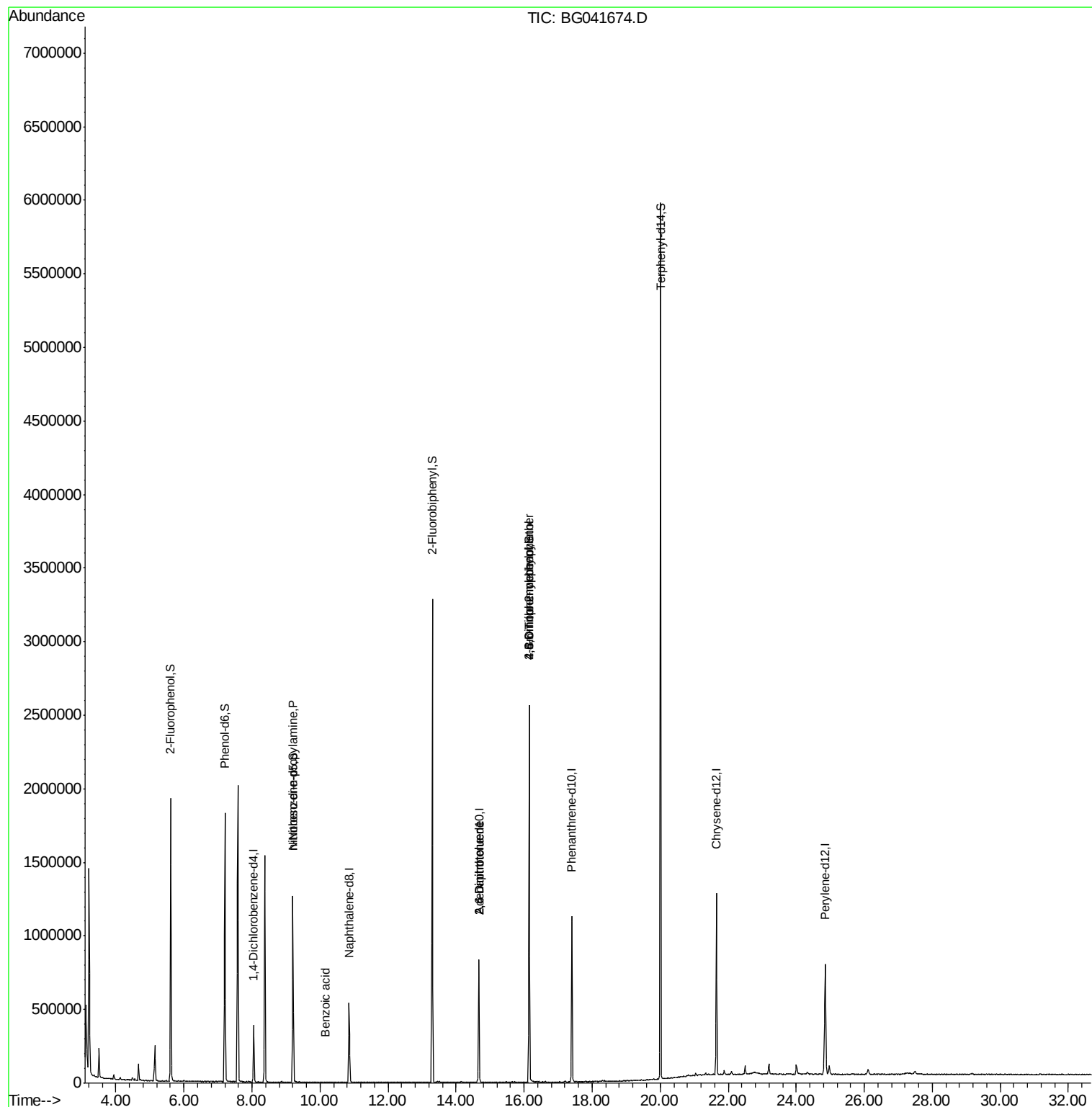
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2221	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	9.20	70	102244	15.346	ng	# 73
32) Benzoic acid	10.16	122	67	6.023	ng	# 1
51) 2,6-Dinitrotoluene	14.66	165	38237	7.973	ng	# 27
57) 2,4-Dinitrotoluene	14.66	165	38237	6.031	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.14	198	1395	7.035	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	36339	4.363	ng	# 1

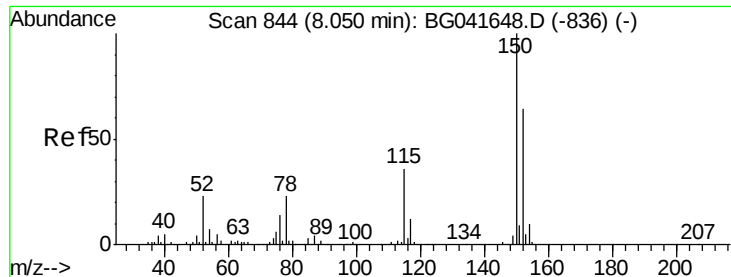
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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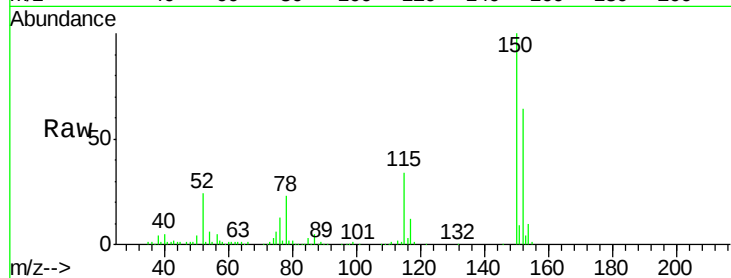


#1

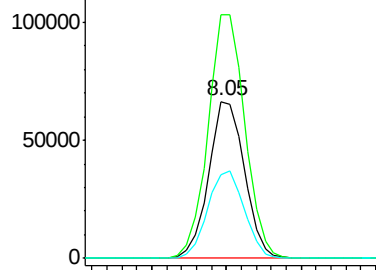
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041674.D
Acq: 16 Jul 2019 18:54

Instrument :
BNA_G
ClientSampleId :

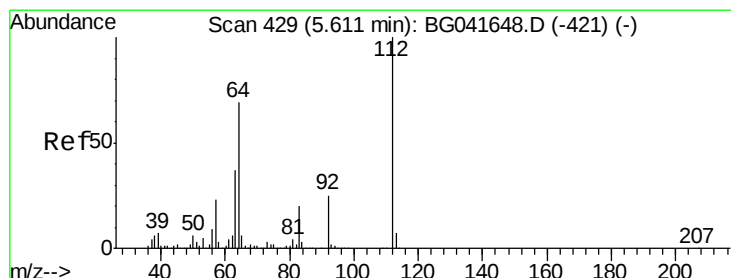
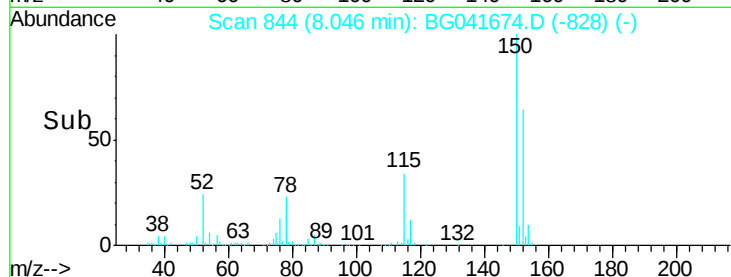
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.9	190.3
115	53.4	45.0	67.6



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



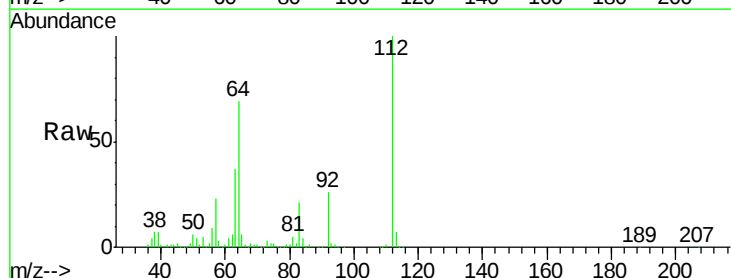
Time-->



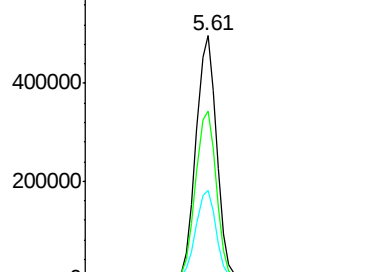
#5

2-Fluorophenol
Concen: 116.424 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041674.D
Acq: 16 Jul 2019 18:54

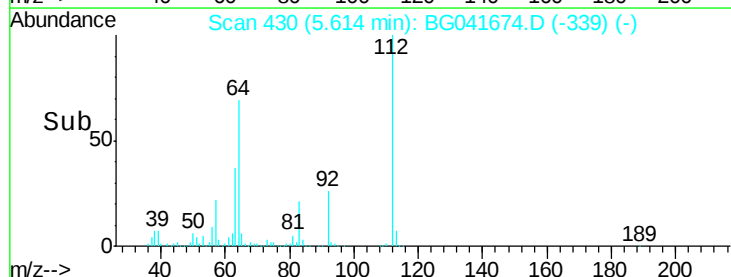
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	55.4	83.2
63	36.5	29.1	43.7

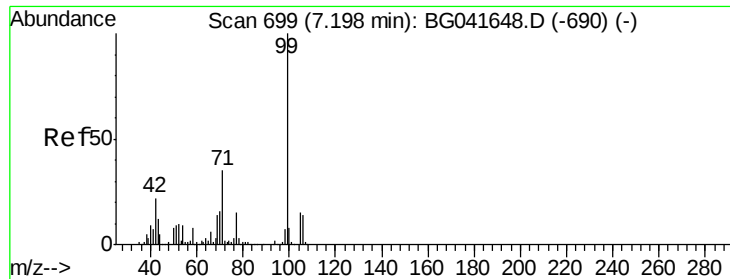


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0



Time-->





#7

Phenol-d6

Concen: 111.208 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

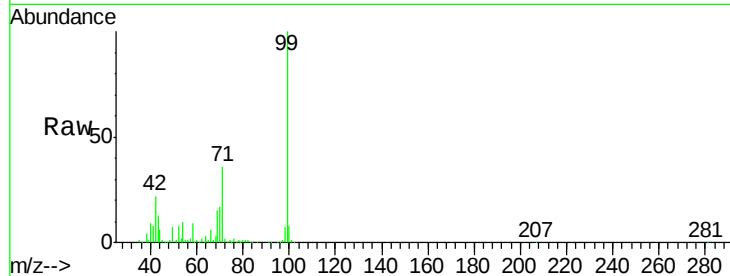
Tot Ion: 99 Resp: 1013733

Ion Ratio Lower Upper

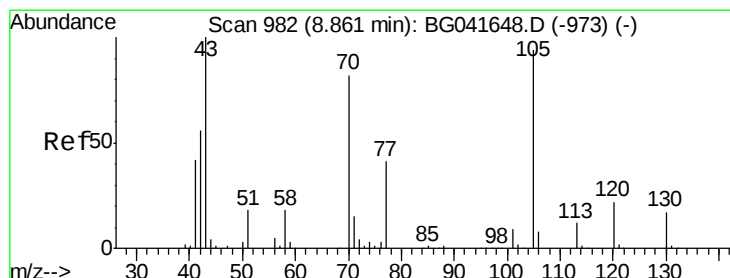
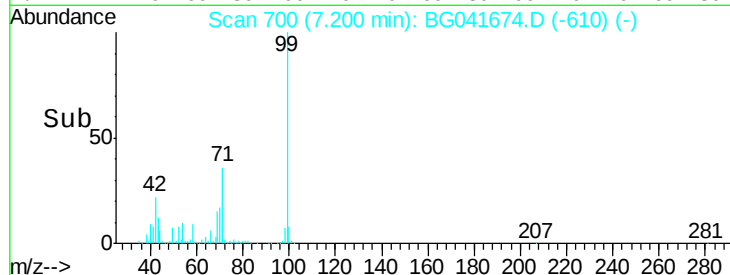
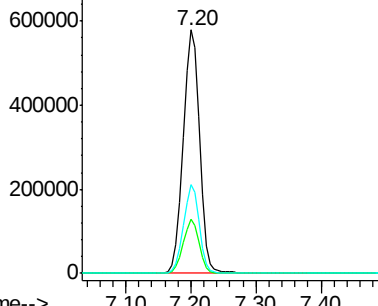
99 100

42 22.2 17.6 26.4

71 36.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.346 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

Tgt Ion: 70 Resp: 102244

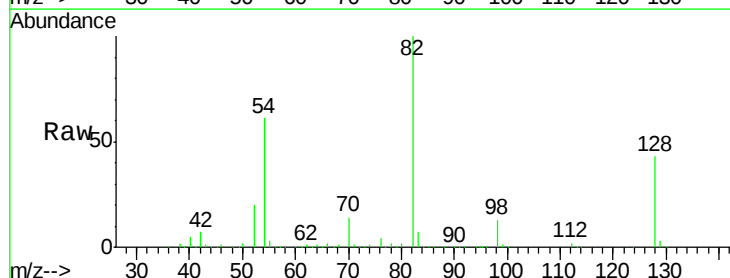
Ion Ratio Lower Upper

70 100

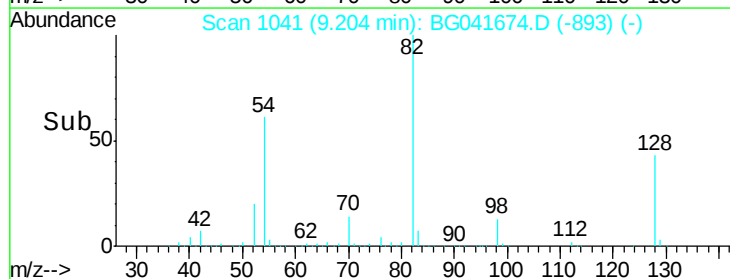
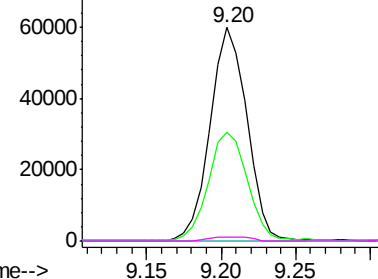
42 50.9 55.8 83.6#

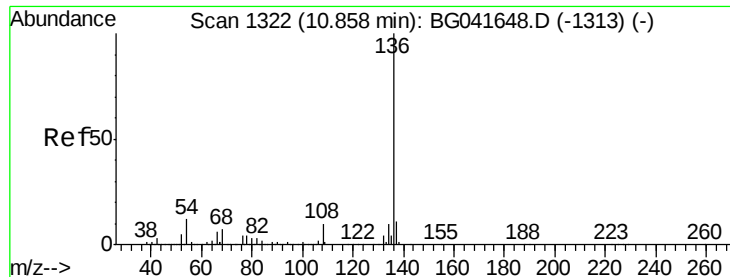
101 0.0 8.1 12.1#

130 1.9 17.3 25.9#



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: 10.85 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 468915

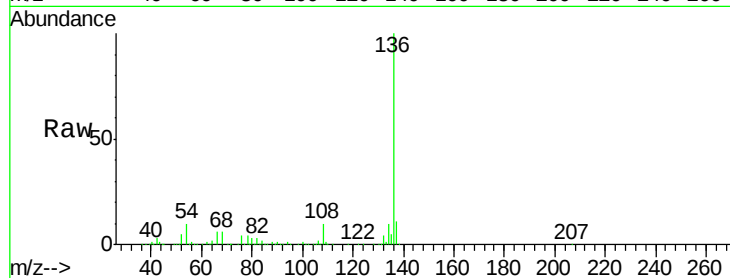
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 10.0 8.7 13.1

68 6.1 5.5 8.3

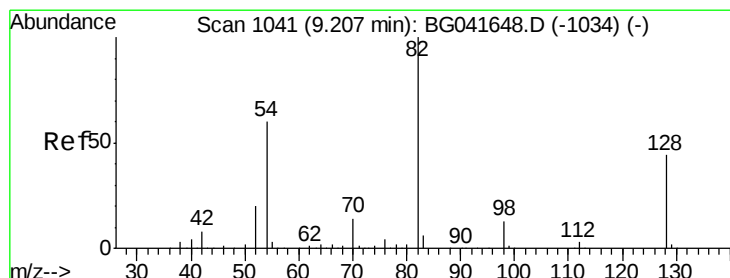
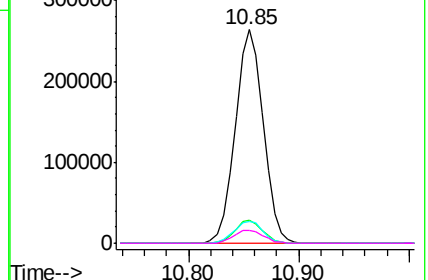
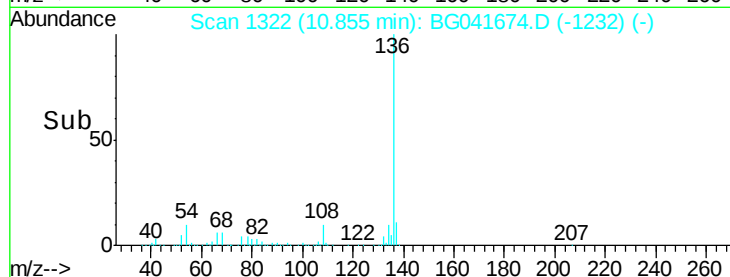


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.673 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

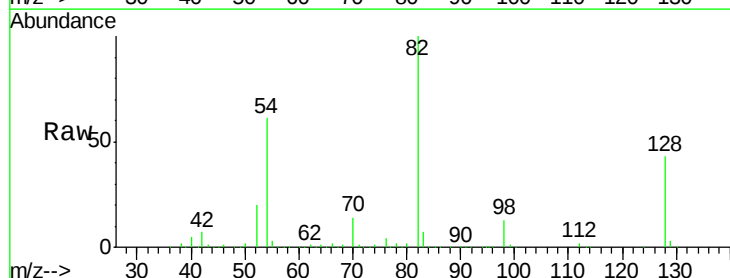
Tgt Ion: 82 Resp: 737689

Ion Ratio Lower Upper

82 100

128 43.5 35.1 52.7

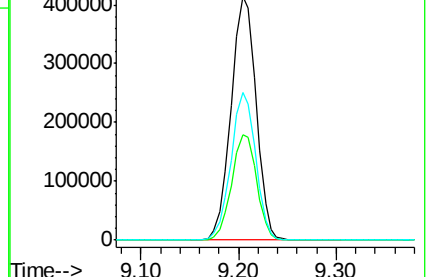
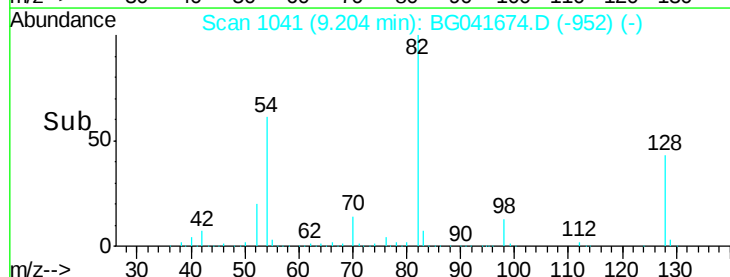
54 60.5 48.7 73.1

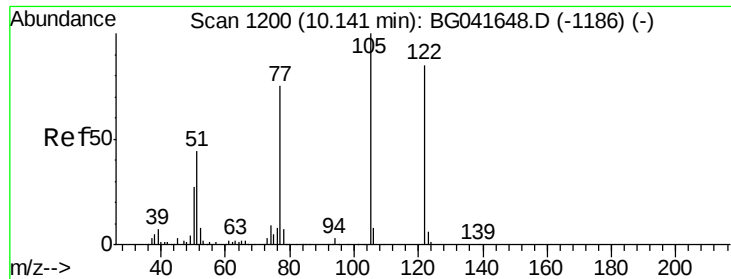


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

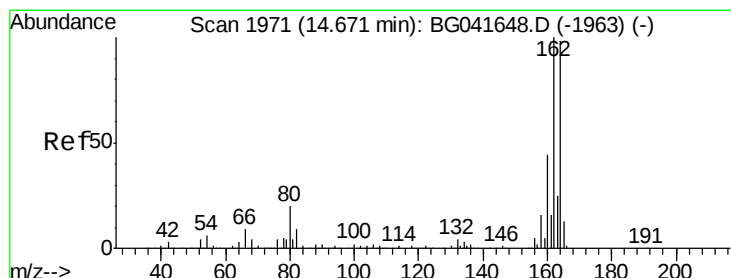
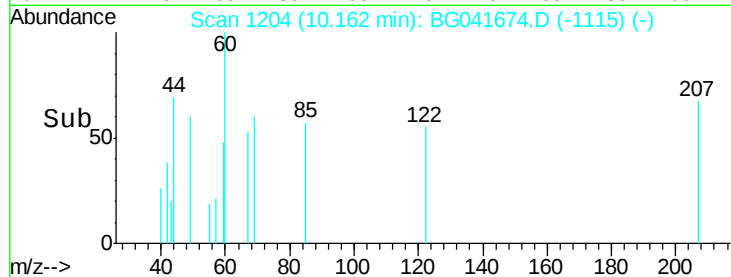
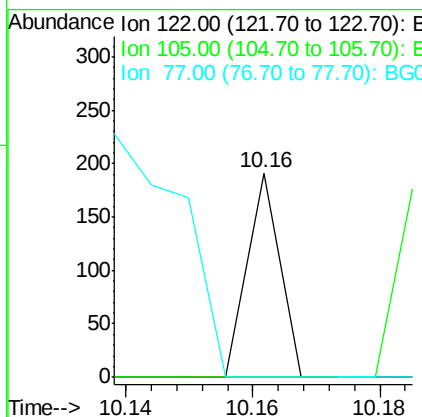
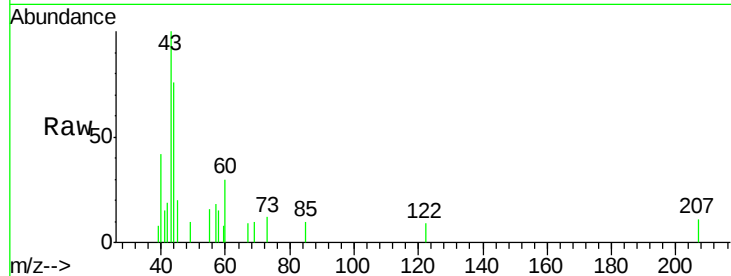




#32
Benzoic acid
Concen: 6.023 ng
RT: 10.16 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BG041674.D
Acq: 16 Jul 2019 18:54

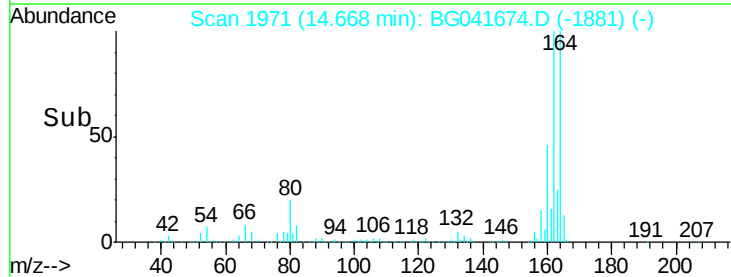
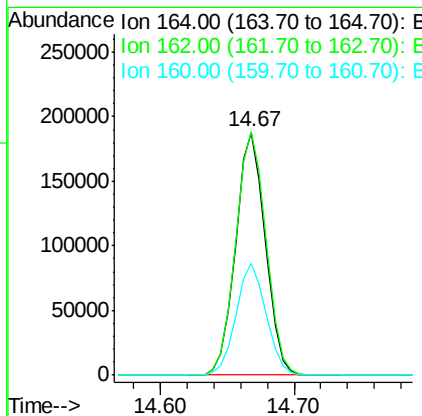
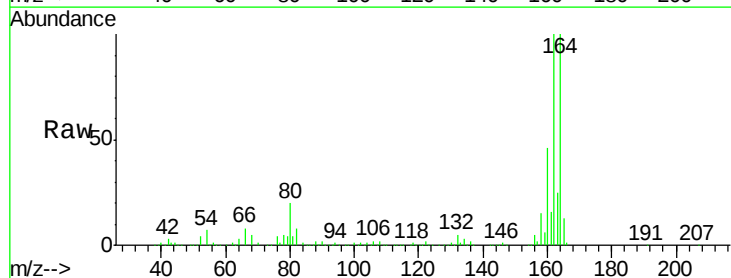
Instrument :
BNA_G
ClientSampled :

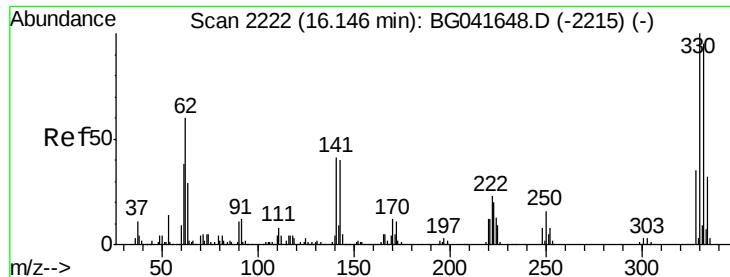
Tot Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 0.0 101.5 141.5#
77 0.0 73.0 113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG041674.D
Acq: 16 Jul 2019 18:54

Tgt Ion:164 Resp: 287888
Ion Ratio Lower Upper
164 100
162 100.5 79.6 119.4
160 46.1 35.4 53.0

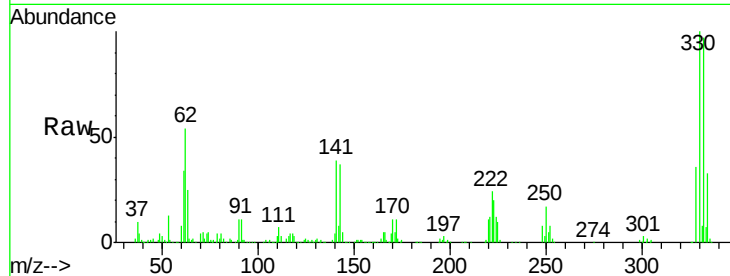




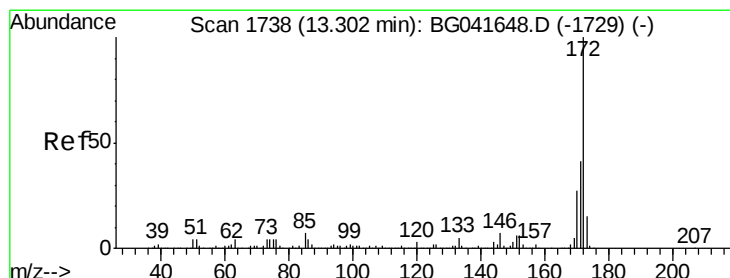
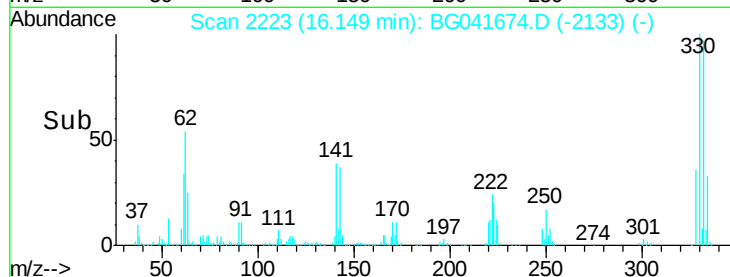
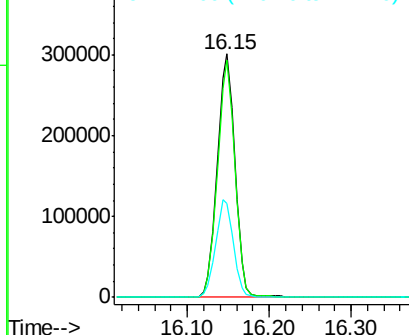
#42
 2,4,6-Tribromophenol
 Concen: 140.882 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BG041674.D
 Acq: 16 Jul 2019 18:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 457086
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.4 116.0
 141 40.1 31.9 47.9

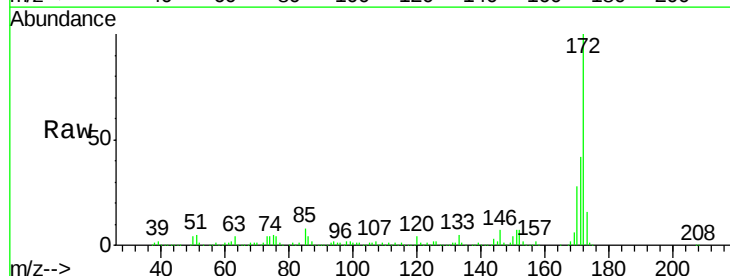


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

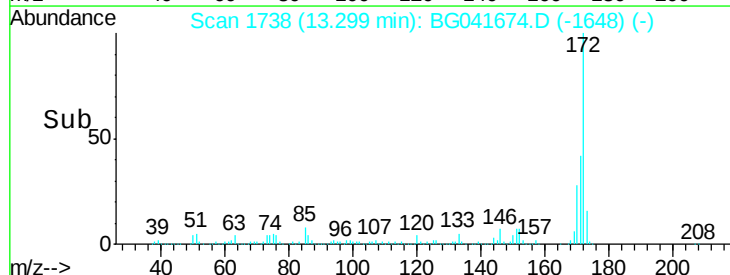
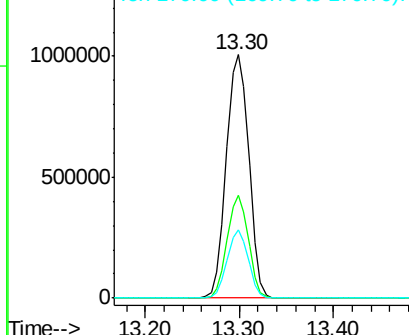


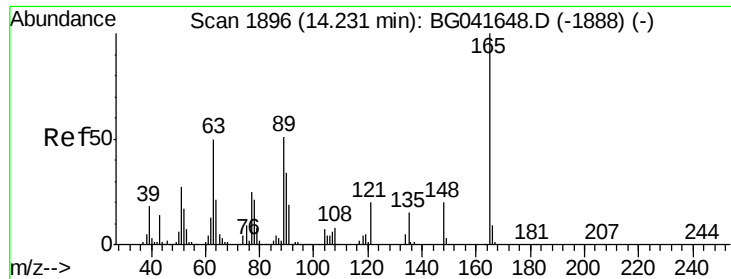
#45
 2-Fluorobiphenyl
 Concen: 90.148 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG041674.D
 Acq: 16 Jul 2019 18:54

Tgt Ion:172 Resp: 1675972
 Ion Ratio Lower Upper
 172 100
 171 42.4 35.0 52.4
 170 27.9 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





#51

2,6-Dinitrotoluene

Concen: 7.973 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

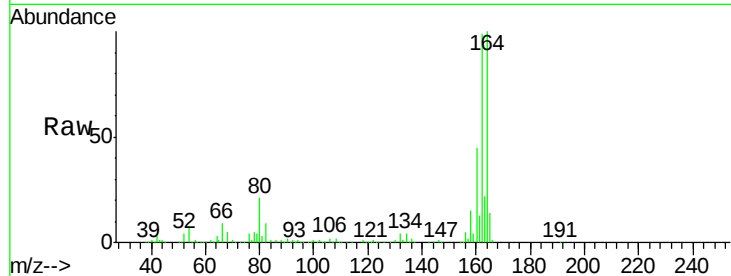
Tot Ion:165 Resp: 38237

Ion Ratio Lower Upper

165 100

63 1.4 42.4 63.6#

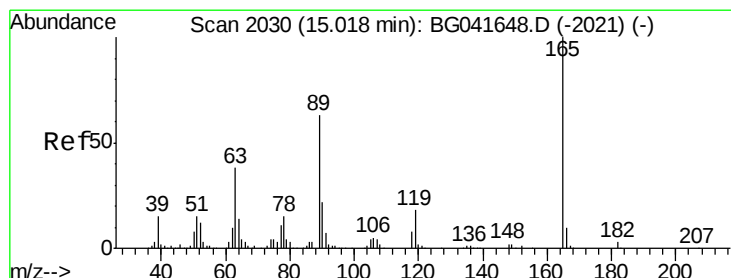
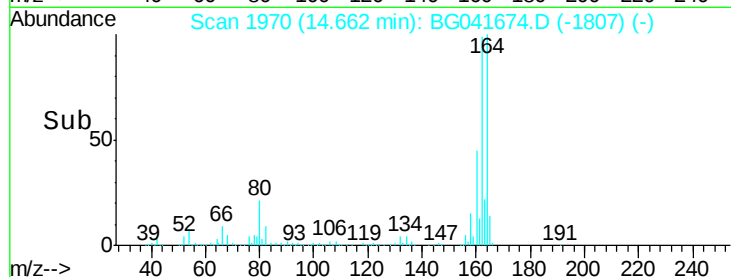
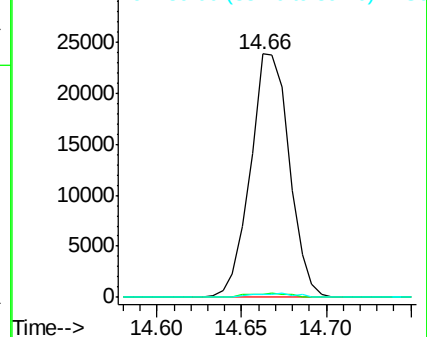
89 1.1 42.1 63.1#



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: 6.031 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

Tgt Ion:165 Resp: 38237

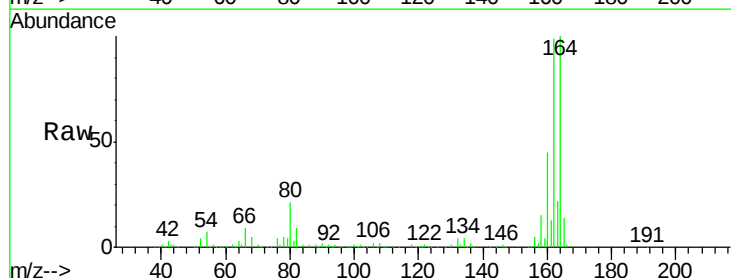
Ion Ratio Lower Upper

165 100

63 1.4 31.7 47.5#

89 1.1 50.2 75.4#

182 0.0 2.6 4.0#

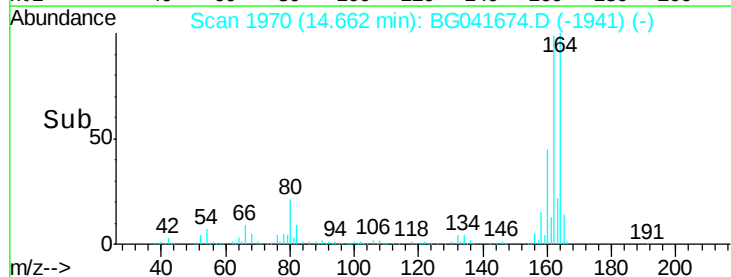
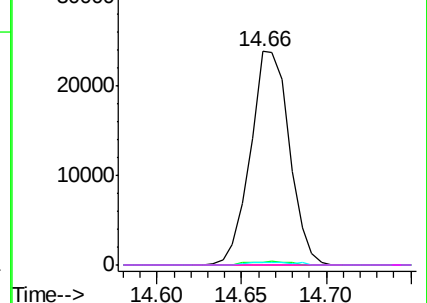


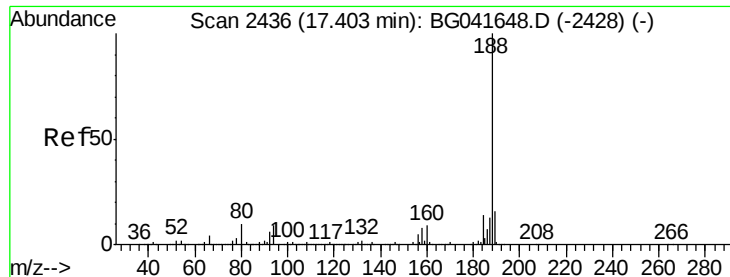
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

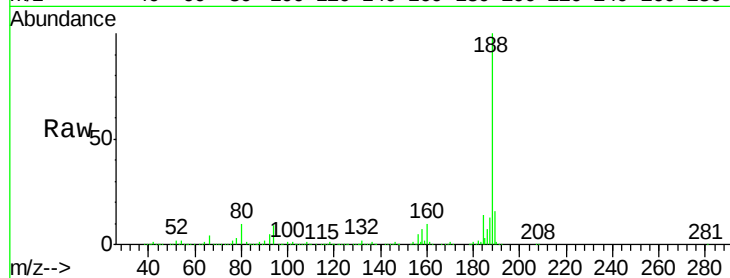
Tot Ion:188 Resp: 700052

Ion Ratio Lower Upper

188 100

94 9.1 6.9 10.3

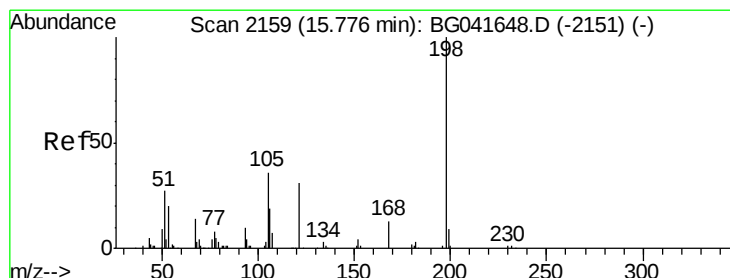
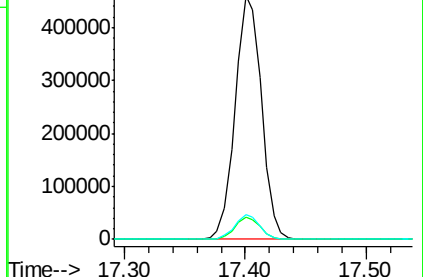
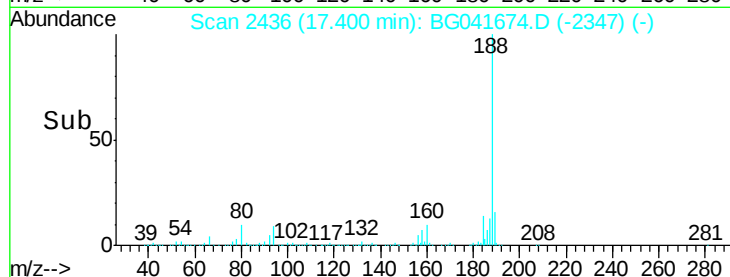
80 10.2 8.0 12.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.035 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.36 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

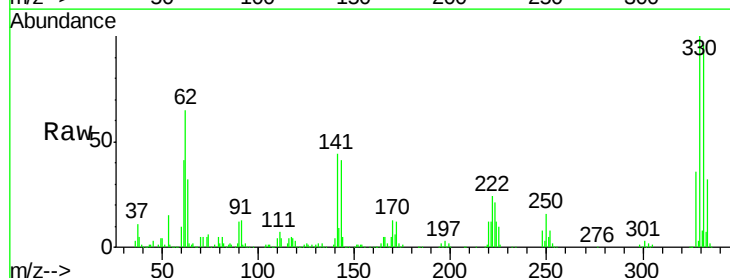
Tgt Ion:198 Resp: 1395

Ion Ratio Lower Upper

198 100

51 149.6 22.3 62.3#

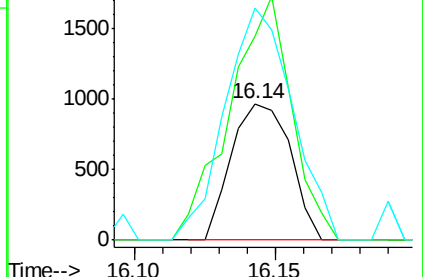
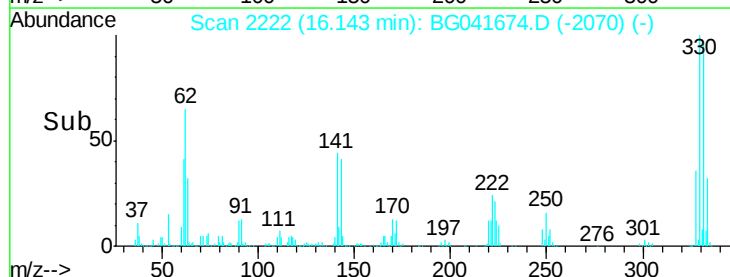
105 170.4 18.0 58.0#

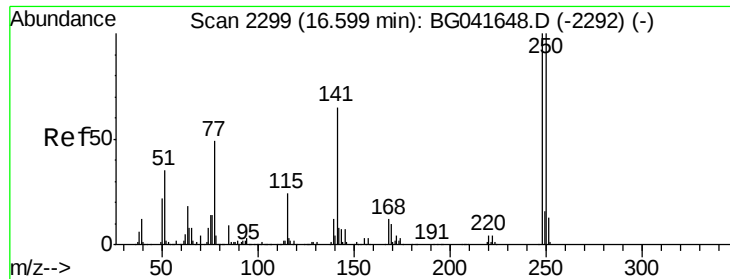


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

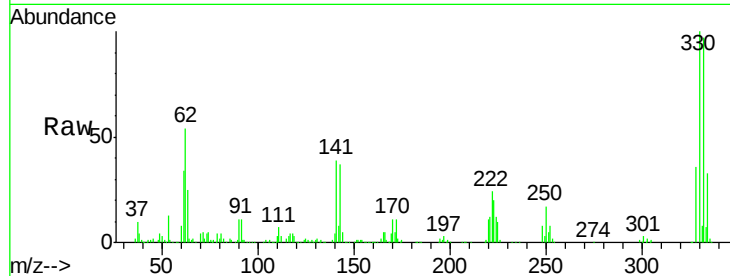




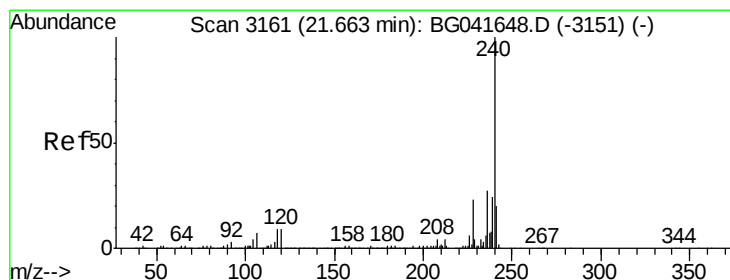
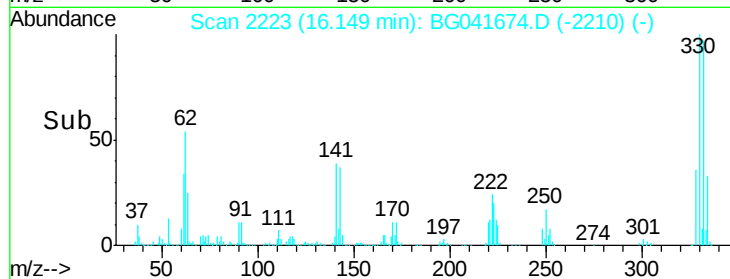
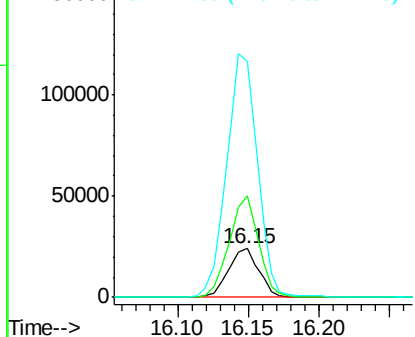
#67
 4-Bromophenyl-phenylether
 Concen: 4.363 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG041674.D
 Acq: 16 Jul 2019 18:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 36339
 Ion Ratio Lower Upper
 248 100
 250 208.6 78.1 117.1#
 141 484.0 49.6 74.4#

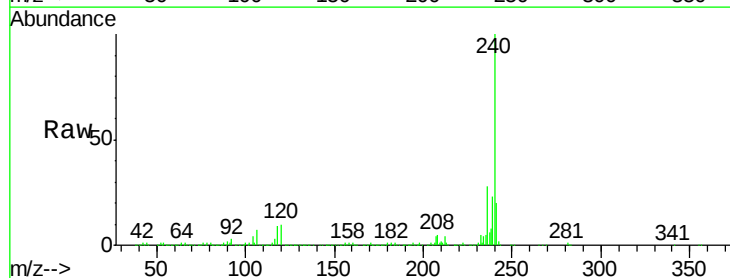


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

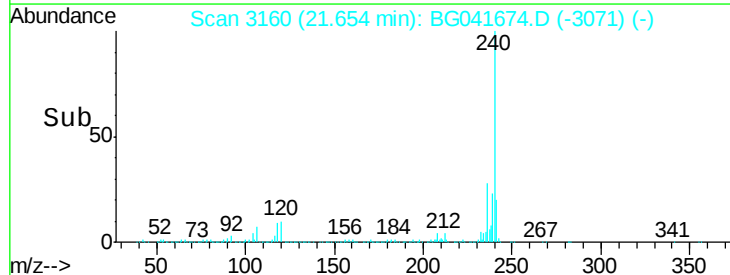
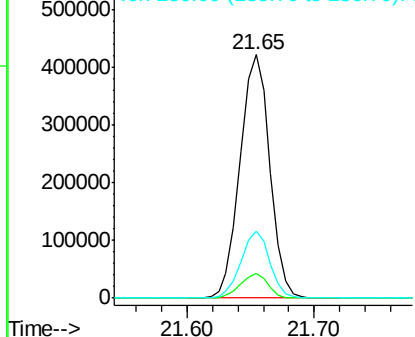


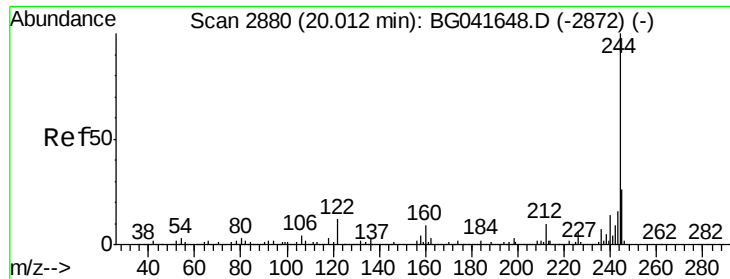
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3160
 Delta R.T. -0.01 min
 Lab File: BG041674.D
 Acq: 16 Jul 2019 18:54

Tgt Ion:240 Resp: 686436
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.0 12.0
 236 27.6 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: 85.235 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

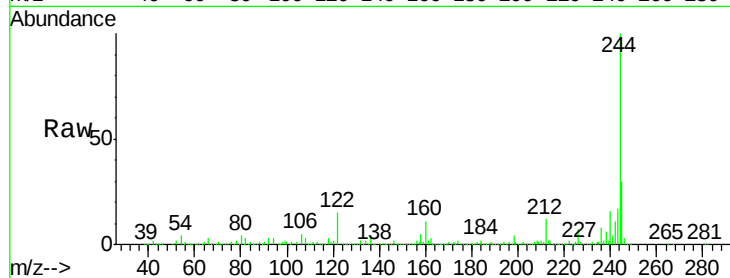
Tot Ion:244 Resp: 2503693

Ion Ratio Lower Upper

244 100

212 11.7 9.7 14.5

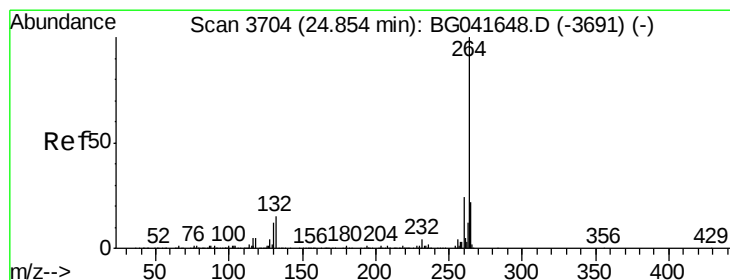
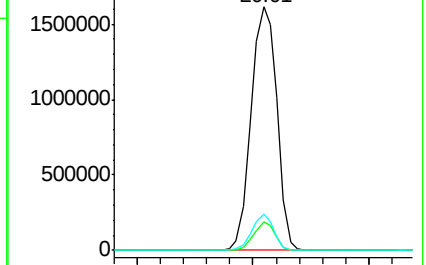
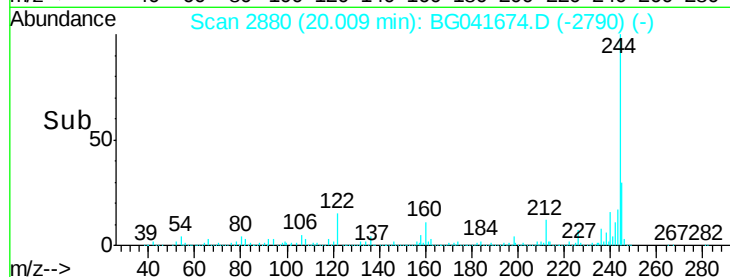
122 14.6 12.5 18.7



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: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG041674.D

Acq: 16 Jul 2019 18:54

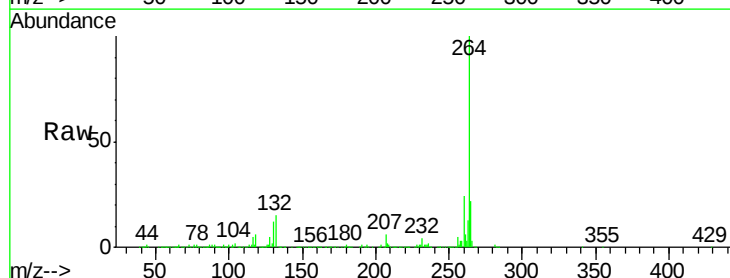
Tgt Ion:264 Resp: 770079

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.5 18.0 27.0



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

