

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\
 Data File : BG041654.D
 Acq On : 15 Jul 2019 18:16
 Operator : HP/JU
 Sample : K3626-08RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 16 07:51:04 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	101435	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	406254	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	257488	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	615745	20.00	ng	0.00
76) Chrysene-d12	21.66	240	604138	20.00	ng	0.00
87) Perylene-d12	24.85	264	668870	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	714490	115.15	ng	0.00
7) Phenol-d6	7.20	99	907090	108.69	ng	0.00
23) Nitrobenzene-d5	9.21	82	665653	99.65	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	441149	152.02	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1575942	94.78	ng	0.00
79) Terphenyl-d14	20.01	244	2366957	91.56	ng	0.00

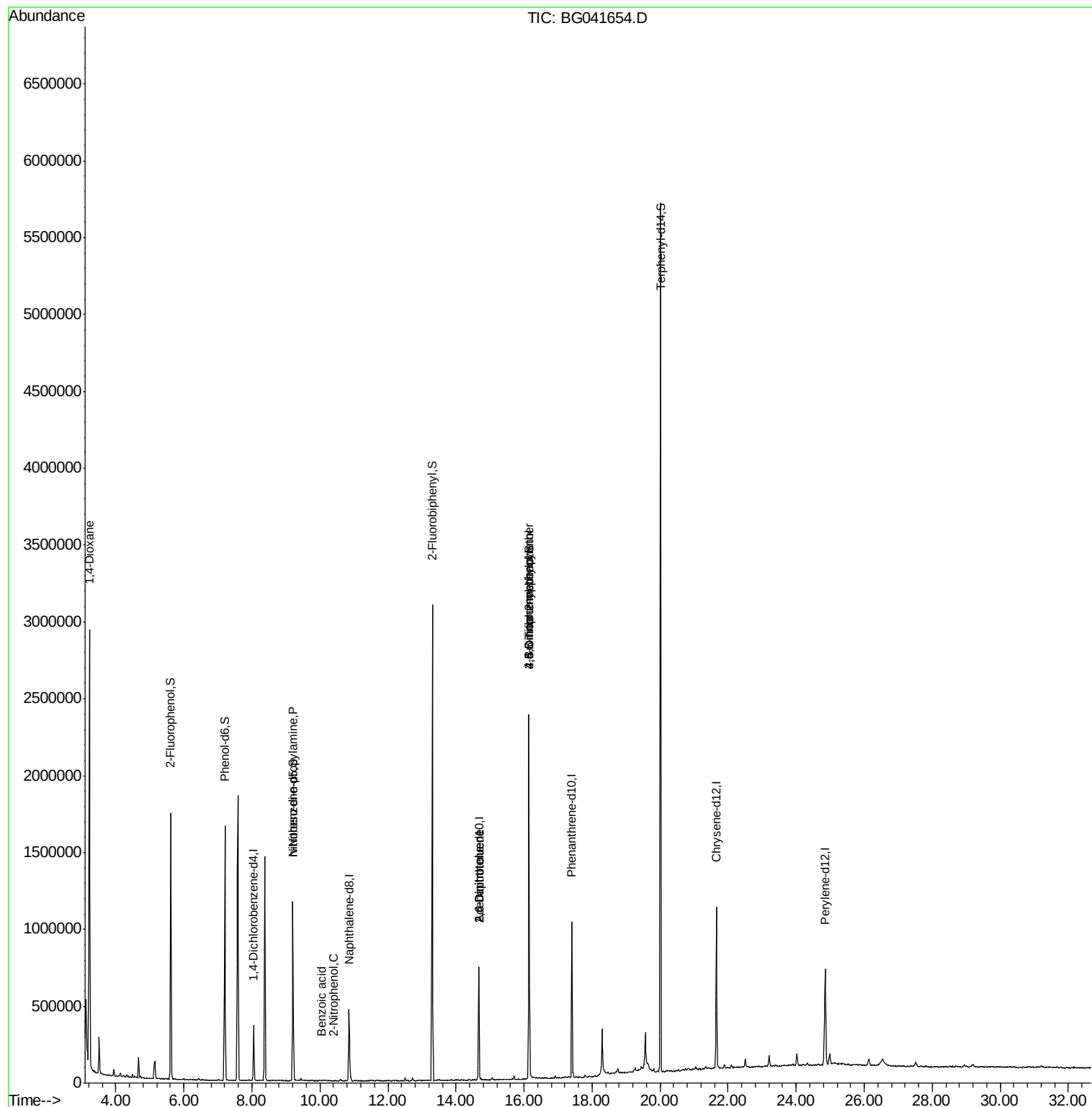
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	27285	9.259	ng	# 1
9) Benzaldehyde	7.16	77	65	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	9.21	70	92862	15.223	ng	# 76
26) 2-Nitrophenol	10.41	139	55	4.668	ng	# 34
32) Benzoic acid	10.05	122	312	6.074	ng	# 95
51) 2,6-Dinitrotoluene	14.67	165	33963	7.918	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	33963	5.990	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.15	198	1454	7.102	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	34631	4.727	ng	# 1

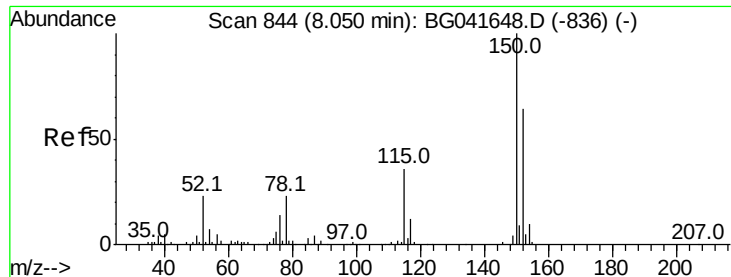
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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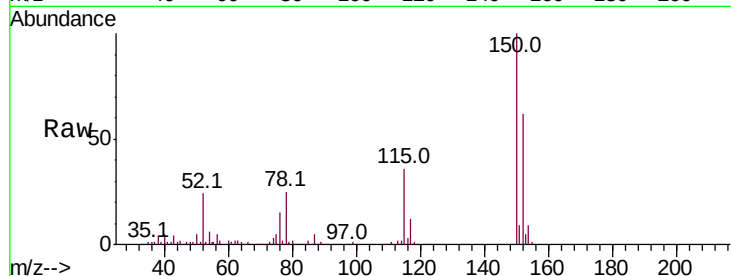


#1

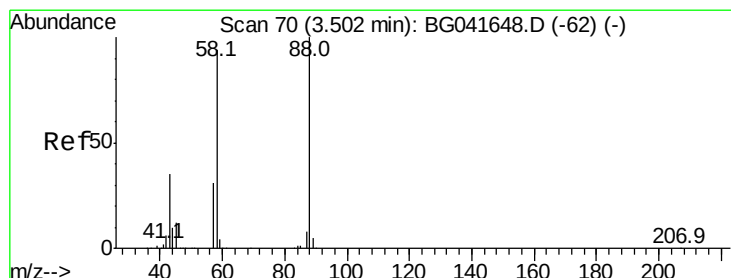
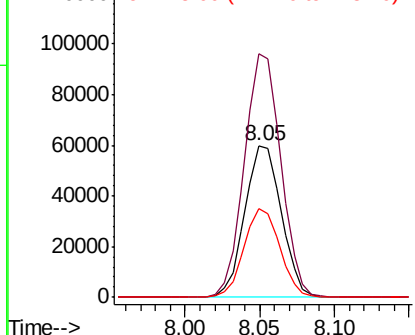
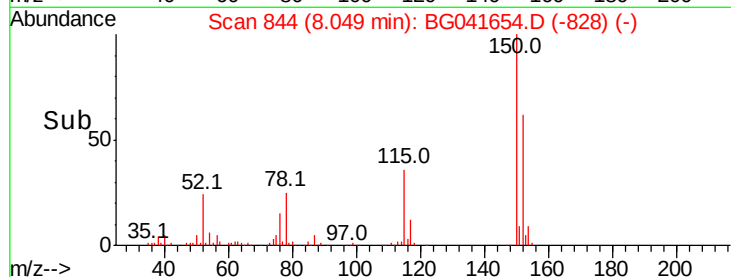
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 101435
Ion Ratio Lower Upper
152 100
150 160.2 126.9 190.3
115 58.3 45.0 67.6



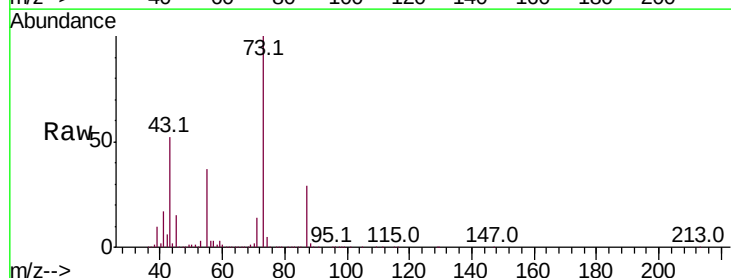
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



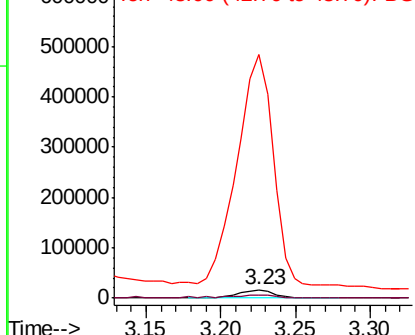
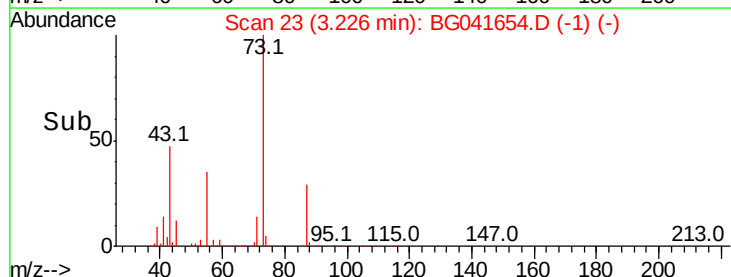
#2

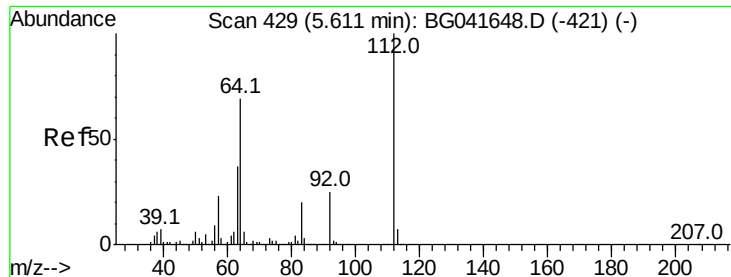
1,4-Dioxane
Concen: 9.259 ng
RT: 3.23 min Scan# 23
Delta R.T. -0.27 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

Tgt Ion: 88 Resp: 27285
Ion Ratio Lower Upper
88 100
58 34.3 76.2 114.2#
43 2968.1 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 115.149 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampled :

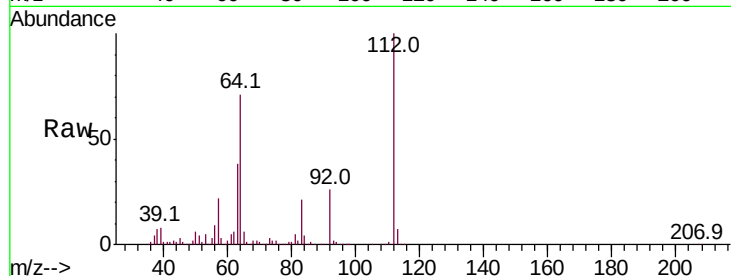
Tot Ion:112 Resp: 714490

Ion Ratio Lower Upper

112 100

64 71.5 55.4 83.2

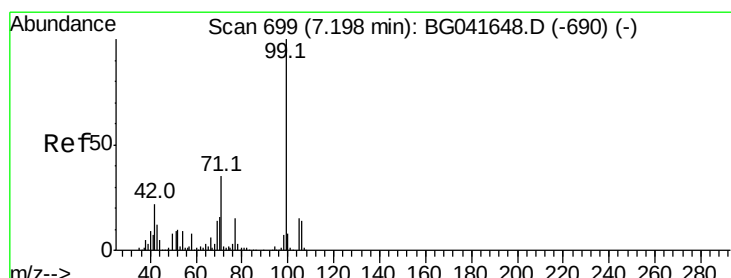
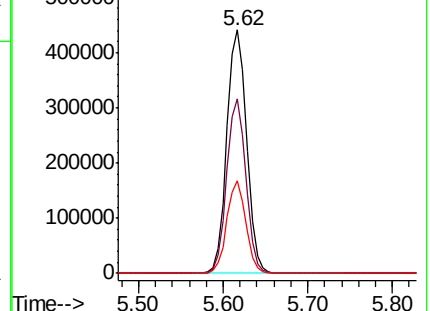
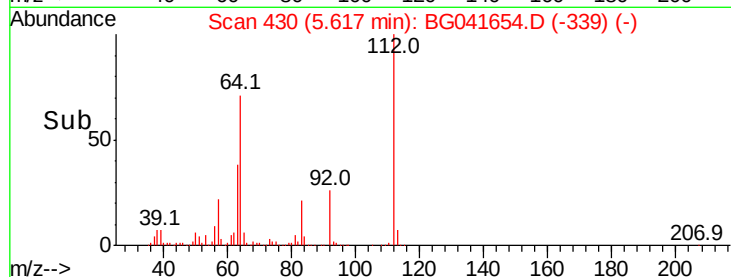
63 37.9 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 108.687 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

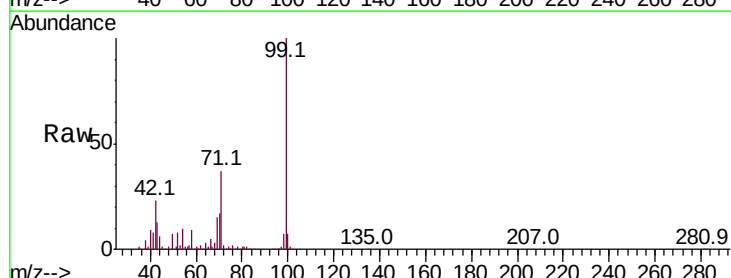
Tgt Ion: 99 Resp: 907090

Ion Ratio Lower Upper

99 100

42 22.7 17.6 26.4

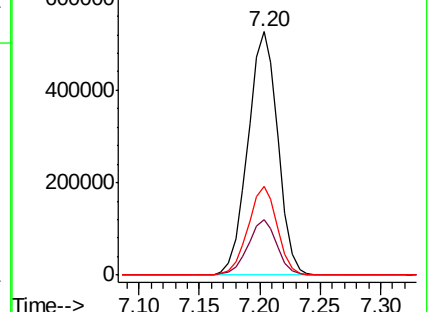
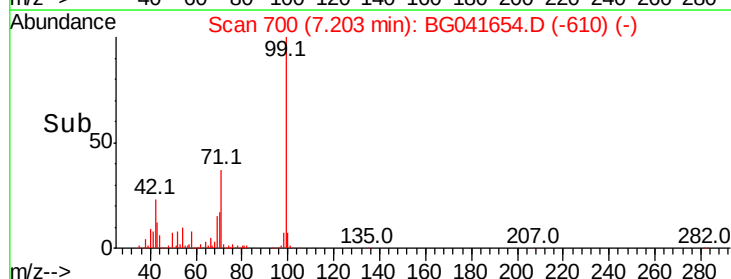
71 36.6 27.8 41.6

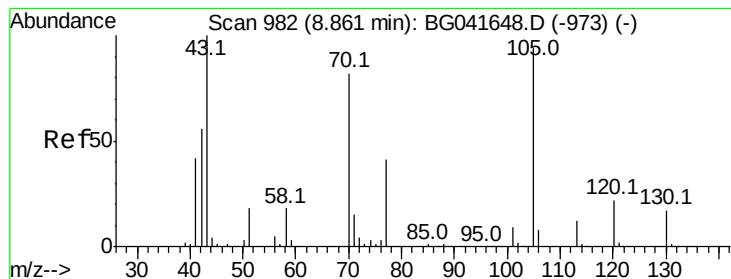


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 15.223 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 92862

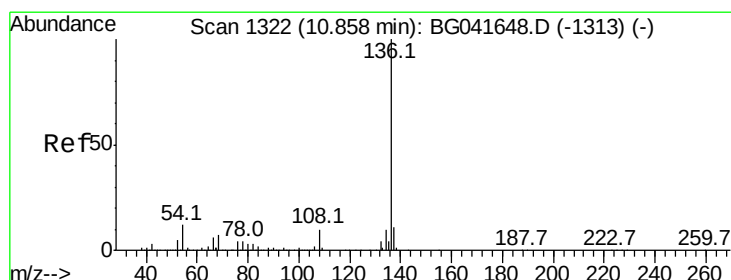
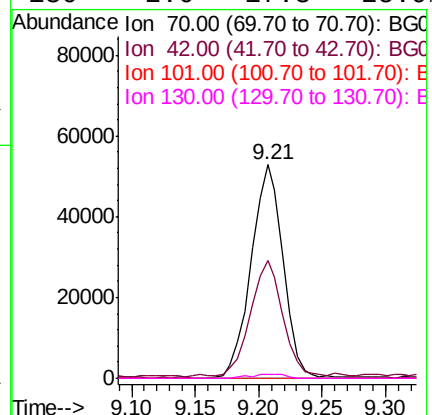
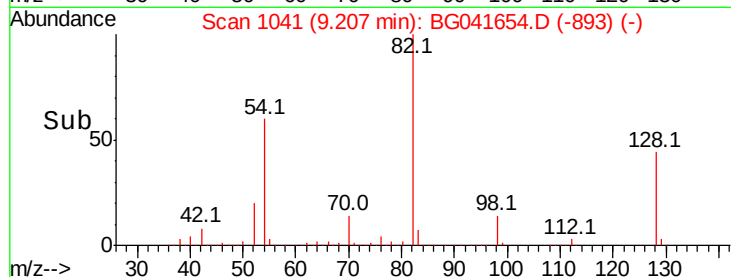
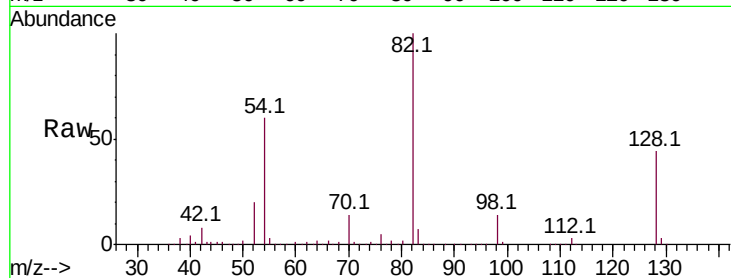
Ion Ratio Lower Upper

70 100

42 55.4 55.8 83.6#

101 0.0 8.1 12.1#

130 2.0 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Tgt Ion: 136 Resp: 406254

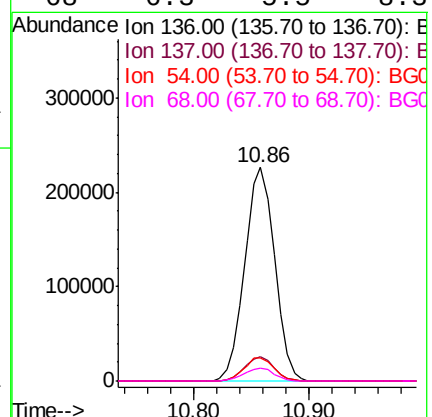
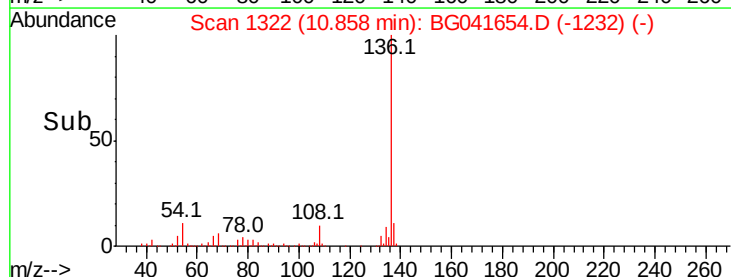
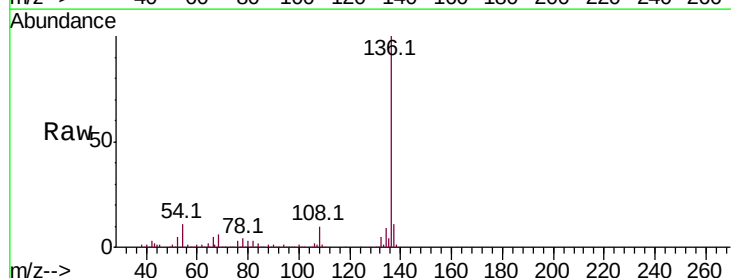
Ion Ratio Lower Upper

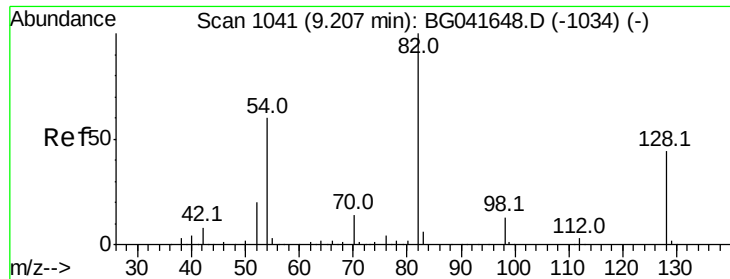
136 100

137 11.1 9.2 13.8

54 10.9 8.7 13.1

68 6.3 5.5 8.3

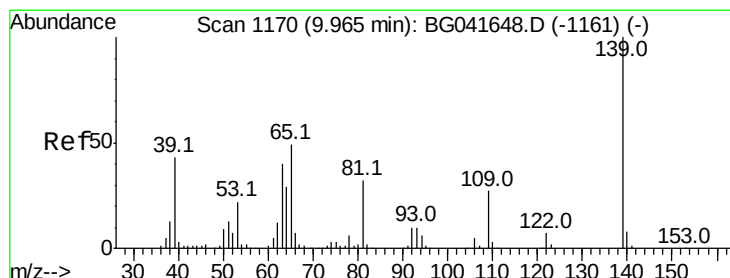
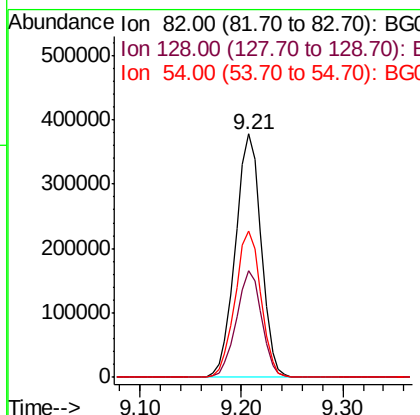
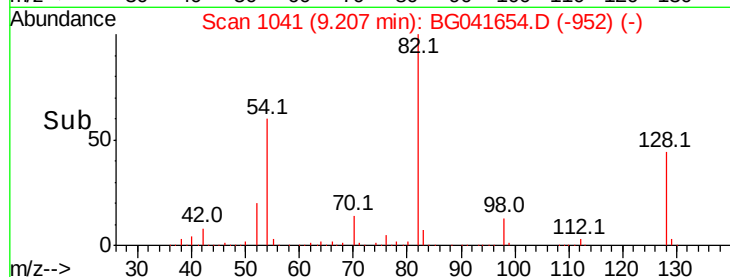
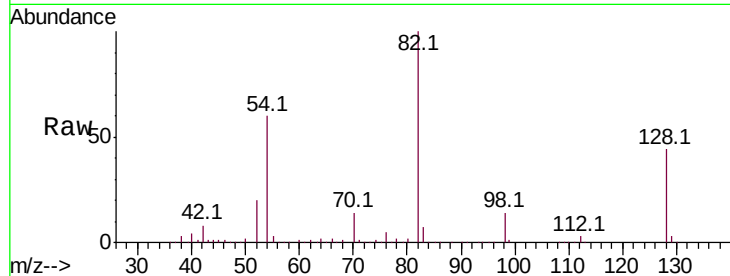




#23
 Nitrobenzene-d5
 Concen: 99.646 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG041654.D
 Acq: 15 Jul 2019 18:16

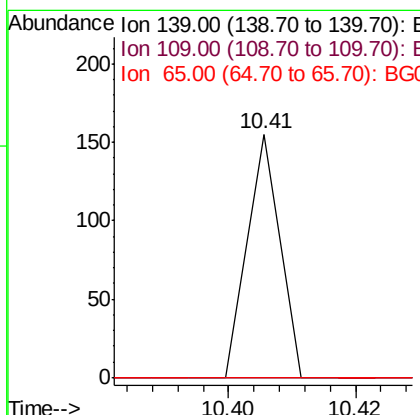
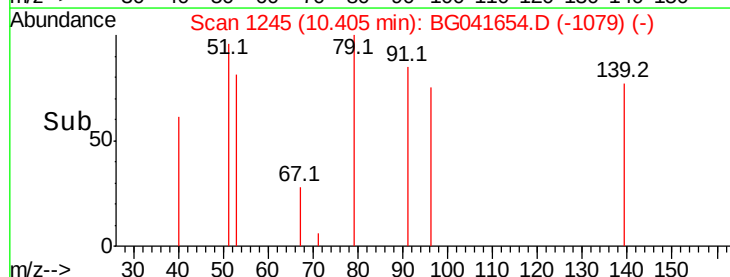
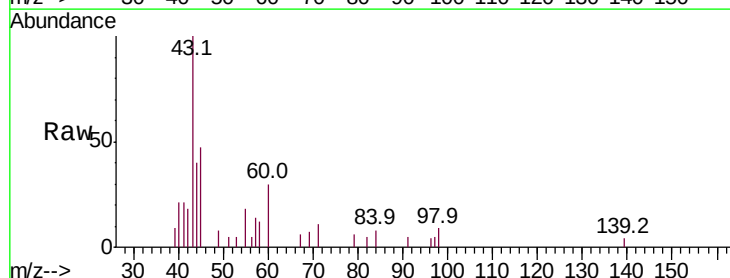
Instrument :
 BNA_G
 ClientSampleId :

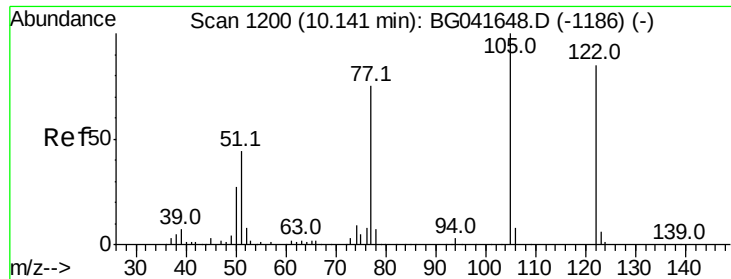
Tot Ion	82	Resp	665653
Ion Ratio	Lower	Upper	
82	100		
128	44.0	35.1	52.7
54	60.1	48.7	73.1



#26
 2-Nitrophenol
 Concen: 4.668 ng
 RT: 10.41 min Scan# 1245
 Delta R.T. 0.44 min
 Lab File: BG041654.D
 Acq: 15 Jul 2019 18:16

Tgt Ion	139	Resp	55
Ion Ratio	Lower	Upper	
139	100		
109	0.0	22.7	34.1#
65	0.0	41.1	61.7#

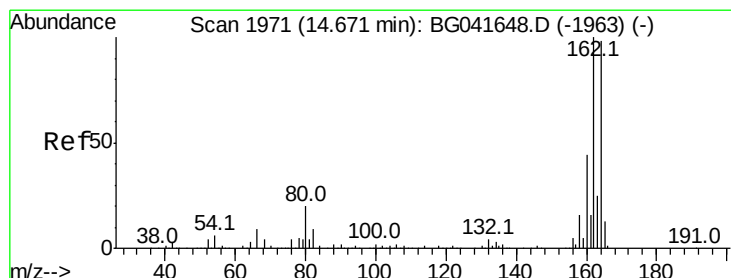
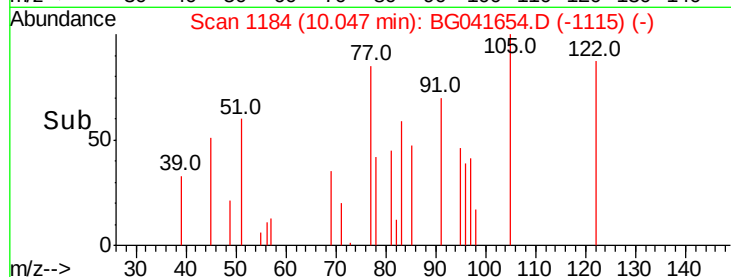
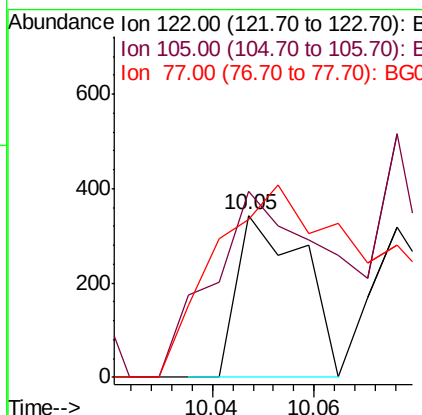
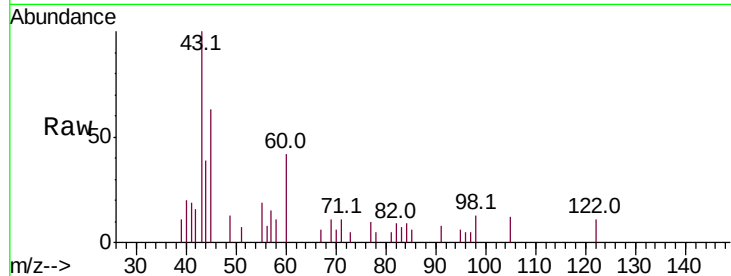




#32
Benzoic acid
Concen: 6.074 ng
RT: 10.05 min Scan# 1184
Delta R.T. -0.12 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

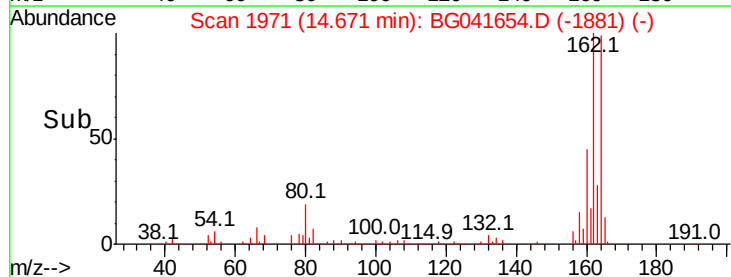
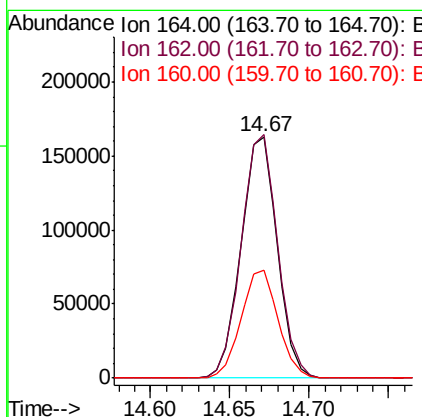
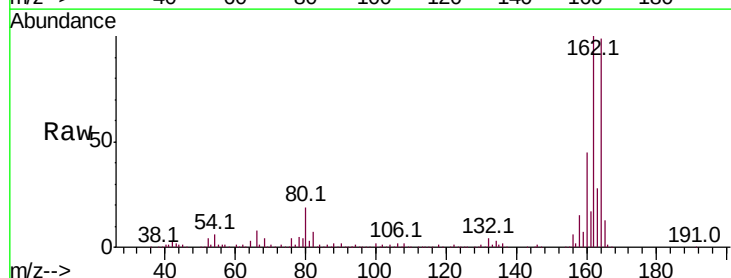
Instrument :
BNA_G
ClientSampleId :

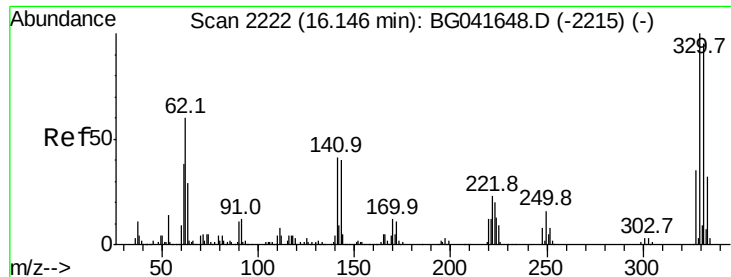
Tot Ion:122 Resp: 312
Ion Ratio Lower Upper
122 100
105 114.8 101.5 141.5
77 97.4 73.0 113.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

Tgt Ion:164 Resp: 257488
Ion Ratio Lower Upper
164 100
162 101.0 79.6 119.4
160 45.0 35.4 53.0

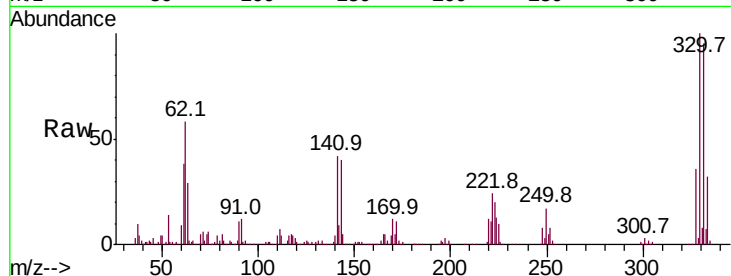




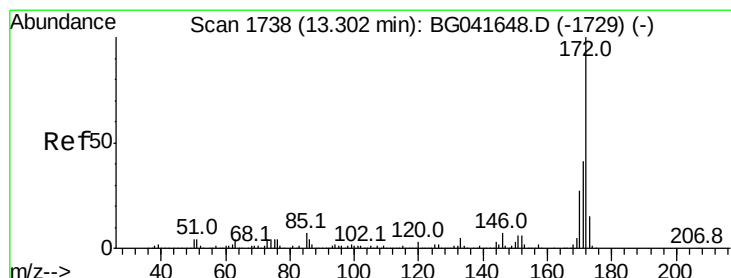
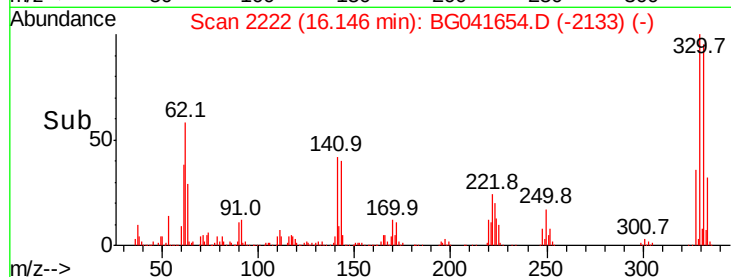
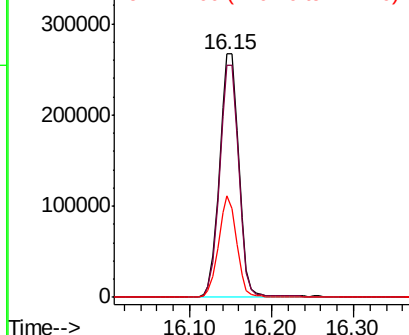
#42
 2,4,6-Tribromophenol
 Concen: 152.023 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG041654.D
 Acq: 15 Jul 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 441149
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.4 116.0
 141 39.1 31.9 47.9

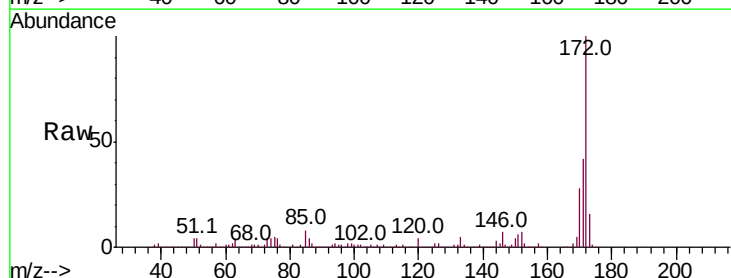


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

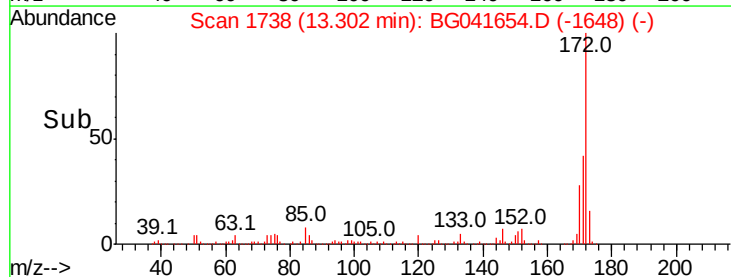
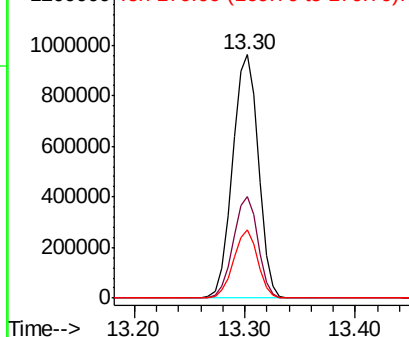


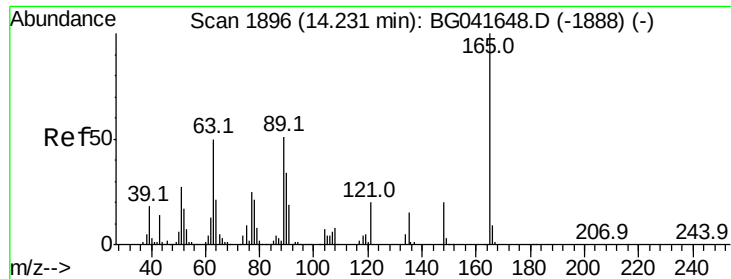
#45
 2-Fluorobiphenyl
 Concen: 94.775 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: BG041654.D
 Acq: 15 Jul 2019 18:16

Tgt Ion:172 Resp: 1575942
 Ion Ratio Lower Upper
 172 100
 171 41.5 35.0 52.4
 170 28.2 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: 7.918 ng

RT: 14.67 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

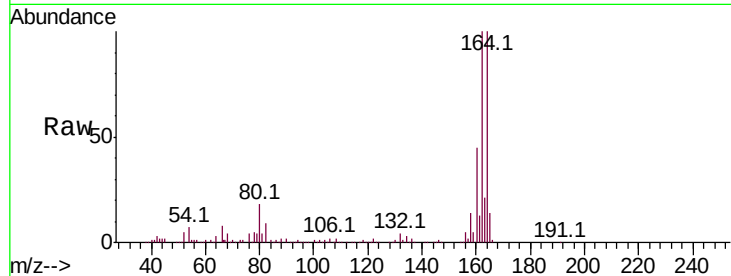
Tot Ion:165 Resp: 33963

Ion Ratio Lower Upper

165 100

63 1.6 42.4 63.6#

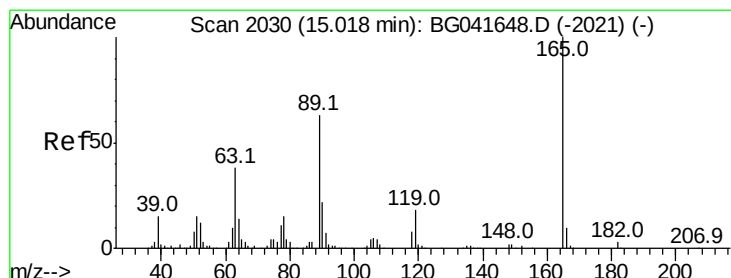
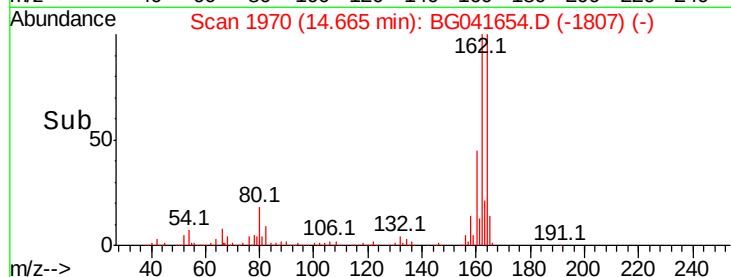
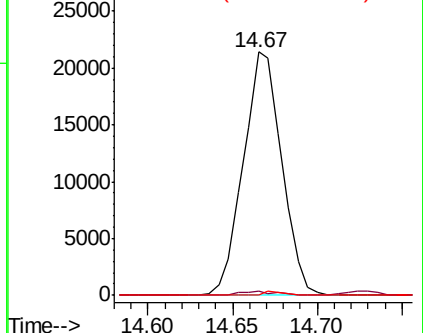
89 0.0 42.1 63.1#



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: 5.990 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Tgt Ion:165 Resp: 33963

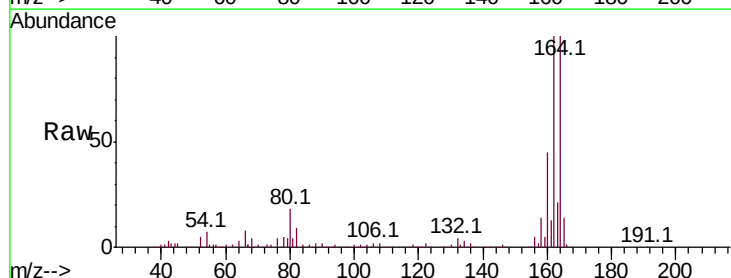
Ion Ratio Lower Upper

165 100

63 1.6 31.7 47.5#

89 0.0 50.2 75.4#

182 0.0 2.6 4.0#

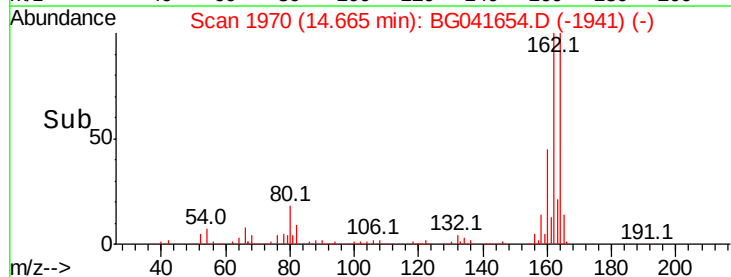
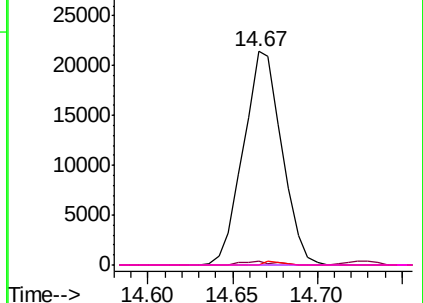


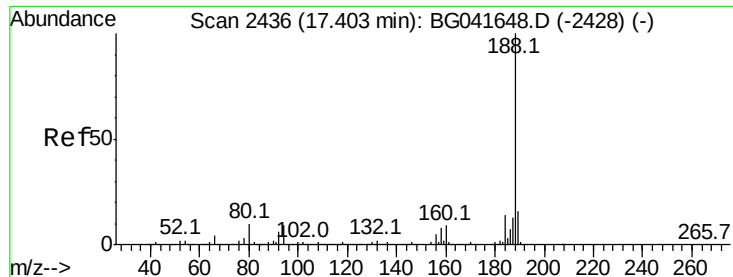
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

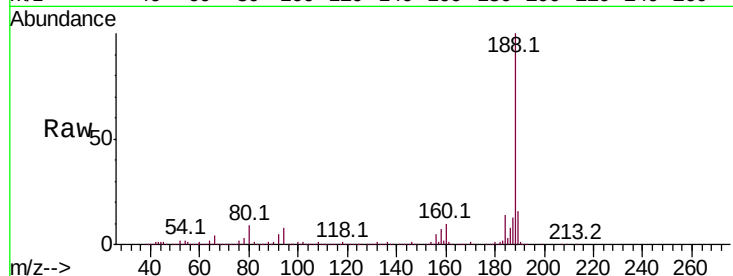
Tot Ion:188 Resp: 615745

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

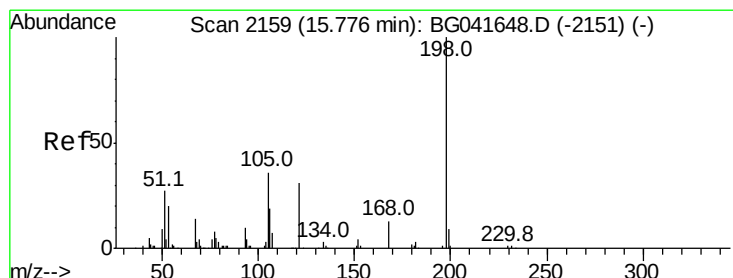
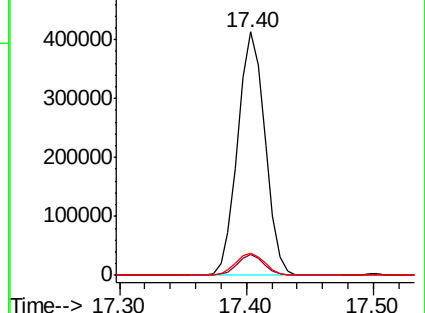
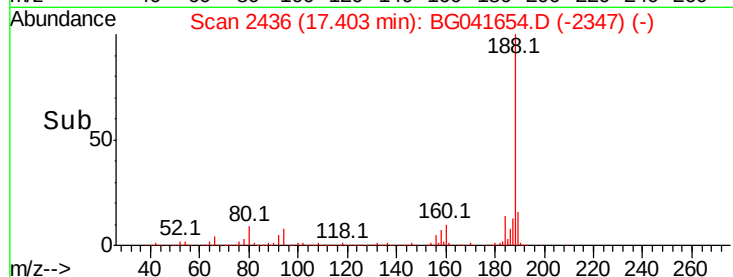
80 9.3 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 7.102 ng

RT: 16.15 min Scan# 2222

Delta R.T. 0.37 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

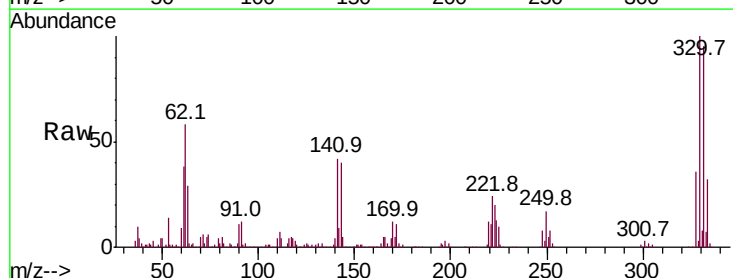
Tgt Ion:198 Resp: 1454

Ion Ratio Lower Upper

198 100

51 127.1 22.3 62.3#

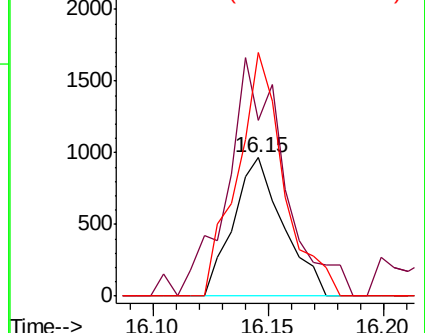
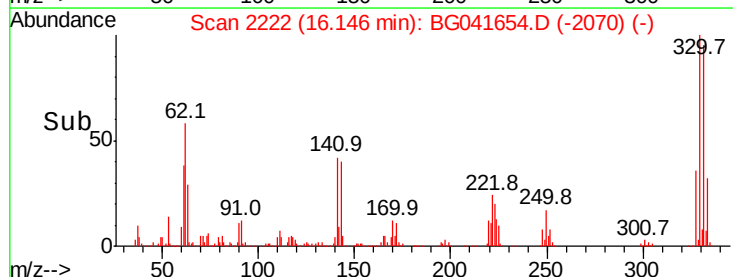
105 175.9 18.0 58.0#

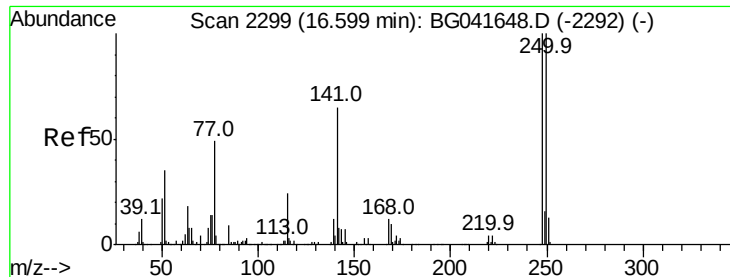


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

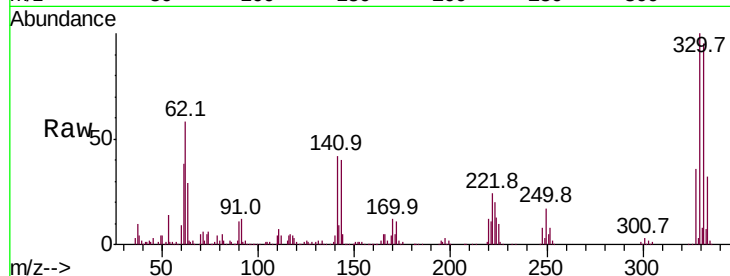




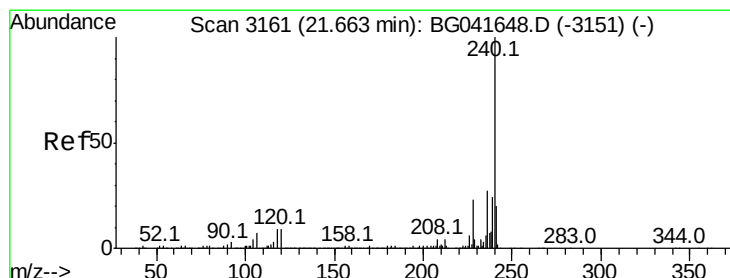
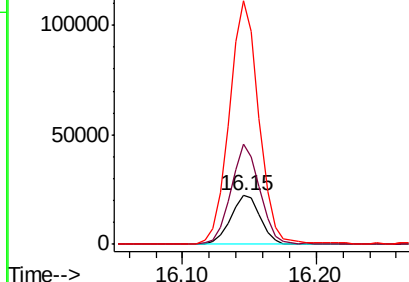
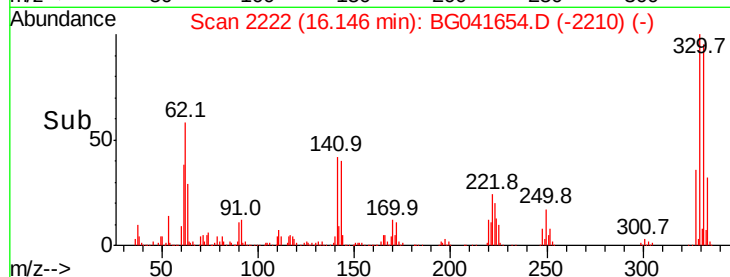
#67
 4-Bromophenyl-phenylether
 Concen: 4.727 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041654.D
 Acq: 15 Jul 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 34631
 Ion Ratio Lower Upper
 248 100
 250 207.0 78.1 117.1#
 141 499.8 49.6 74.4#

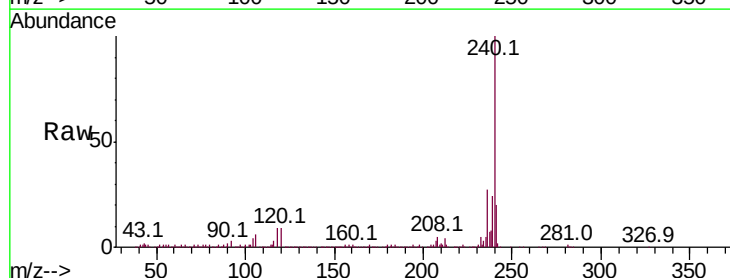


Abundance Ion 248.00 (247.70 to 248.70): E
 150000 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

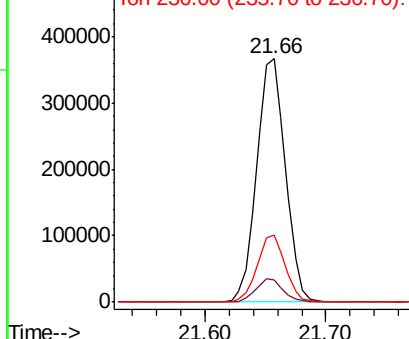
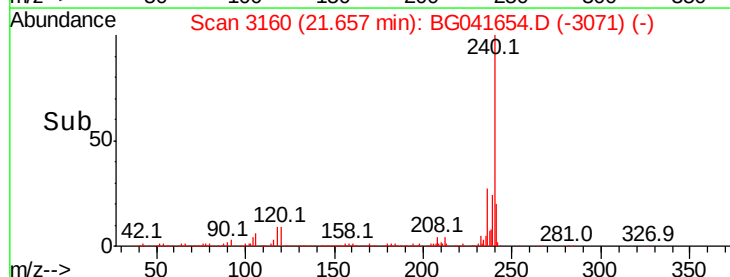


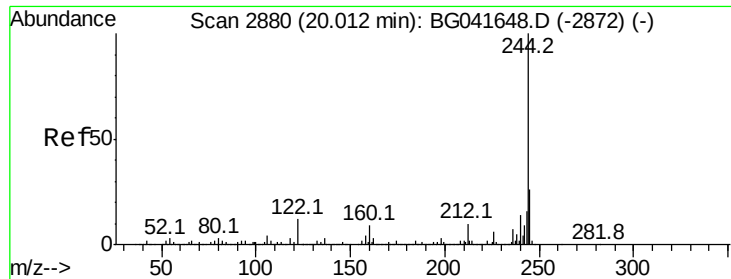
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3160
 Delta R.T. -0.00 min
 Lab File: BG041654.D
 Acq: 15 Jul 2019 18:16

Tgt Ion:240 Resp: 604138
 Ion Ratio Lower Upper
 240 100
 120 9.2 8.0 12.0
 236 27.3 22.6 33.8



Abundance Ion 240.00 (239.70 to 240.70): E
 500000 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 91.557 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

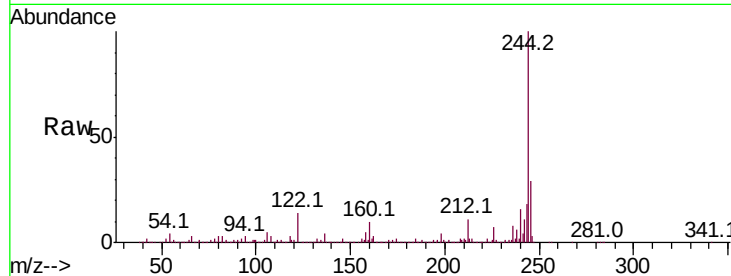
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2366957

Ion	Ratio	Lower	Upper
244	100		
212	11.1	9.7	14.5
122	13.5	12.5	18.7

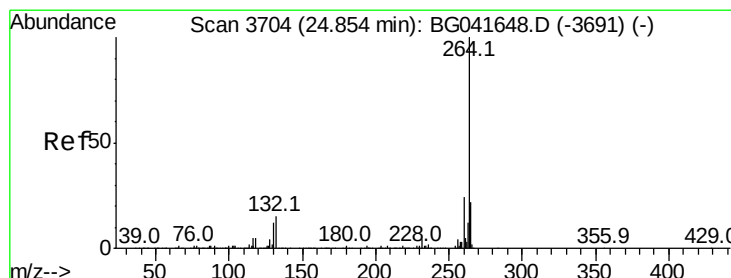
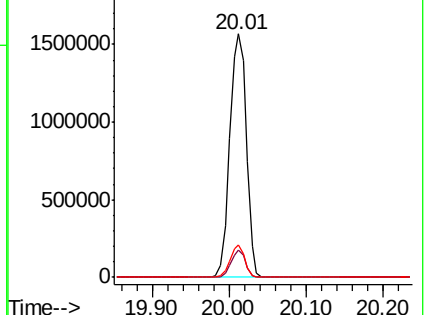
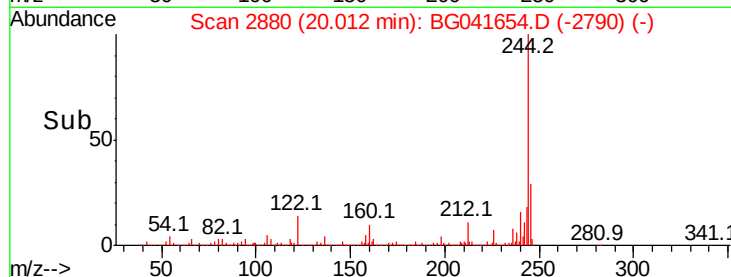


Abundance

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

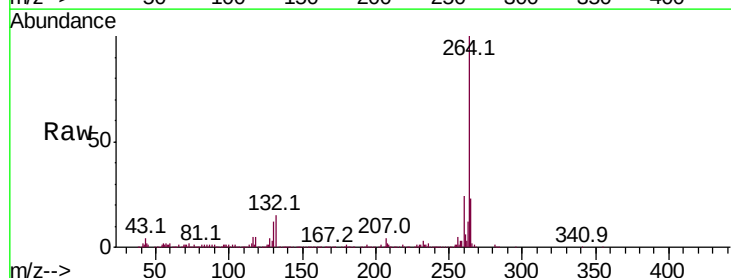
Delta R.T. -0.01 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Tgt Ion:264 Resp: 668870

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.9	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

