

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
 Data File : BG041344.D
 Acq On : 20 Jun 2019 3:05
 Operator : HP/JU
 Sample : K3421-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 05:02:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	37976	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	142267	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	100478	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	234028	20.00	ng	0.00
76) Chrysene-d12	21.74	240	222479	20.00	ng	0.00
87) Perylene-d12	25.06	264	216614	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	257882	124.77	ng	0.00
7) Phenol-d6	7.24	99	332825	111.09	ng	0.00
23) Nitrobenzene-d5	9.26	82	313412	92.65	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	208252	135.00	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	698285	94.46	ng	0.00
79) Terphenyl-d14	20.06	244	1136768	101.26	ng	0.00

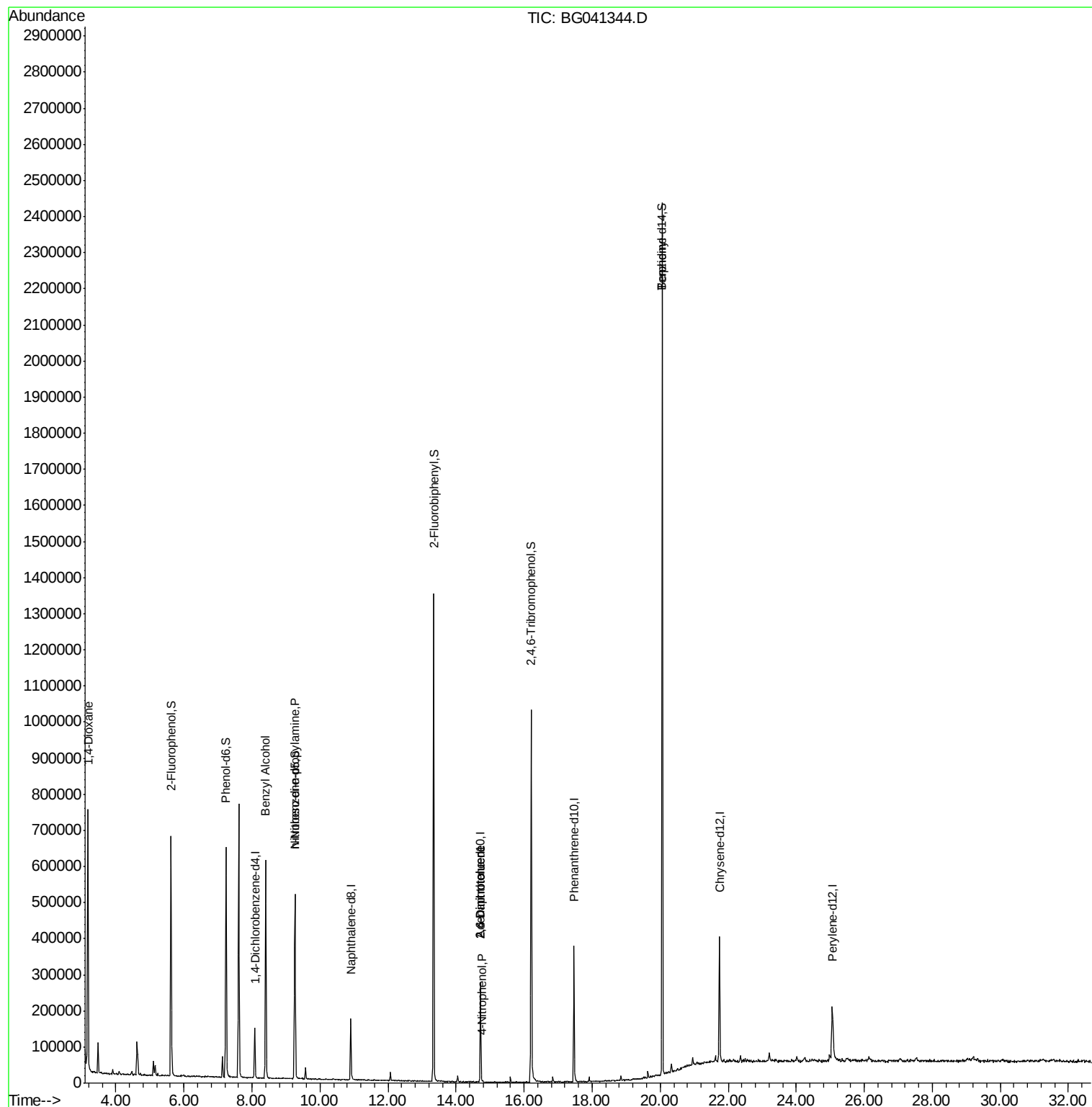
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	7990	7.709	ng	# 1
15) Benzyl Alcohol	8.41	79	6066	2.113	ng	# 60
19) n-Nitroso-di-n-propylamine	9.26	70	46532	19.204	ng	# 73
51) 2,6-Dinitrotoluene	14.72	165	12494	6.628	ng	# 18
56) 4-Nitrophenol	14.76	139	63	3.258	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	12494	4.534	ng	# 22
77) Benzidine	20.06	184	18674	3.470	ng	# 92

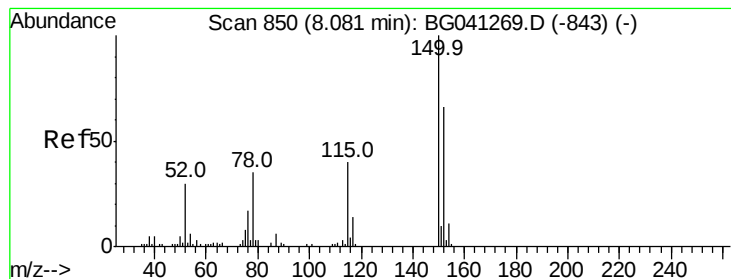
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.08 min Scan# 850

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Instrument :

BNA_G

ClientSampleId :

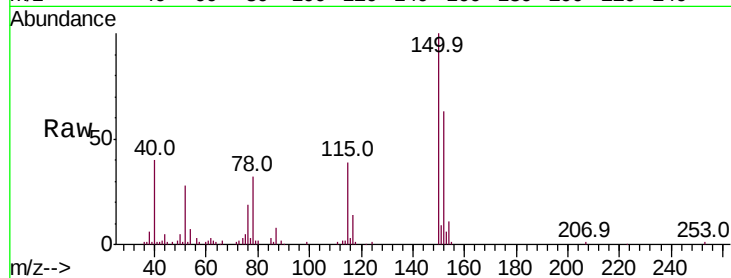
Tot Ion:152 Resp: 37976

Ion Ratio Lower Upper

152 100

150 159.2 120.6 181.0

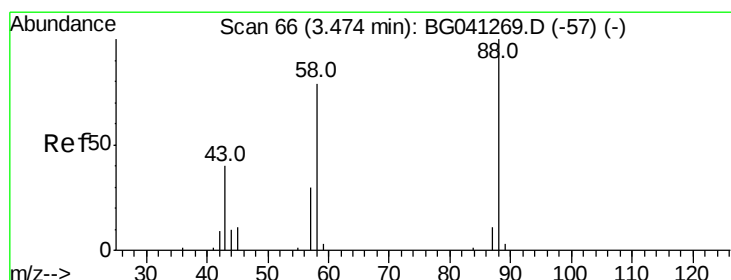
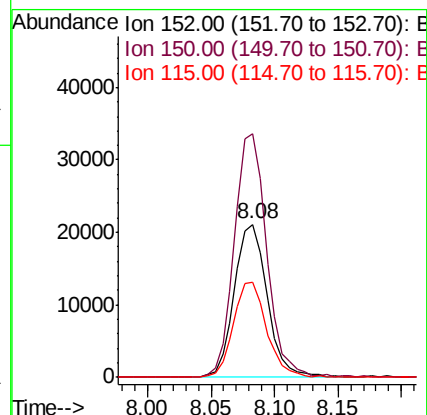
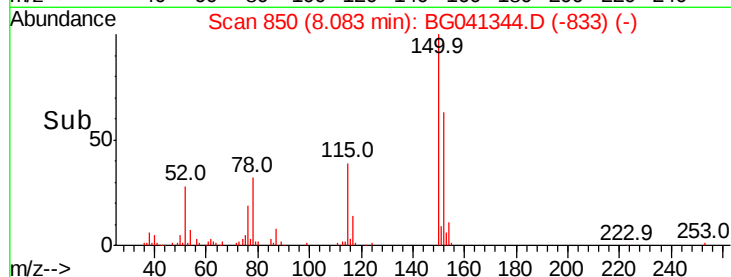
115 62.1 47.9 71.9



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



#2

1,4-Dioxane

Concen: 7.709 ng

RT: 3.18 min Scan# 15

Delta R.T. -0.30 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

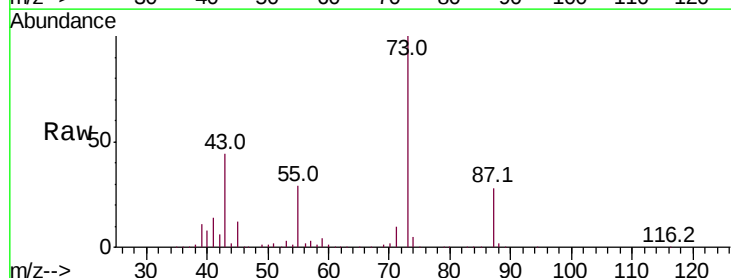
Tgt Ion: 88 Resp: 7990

Ion Ratio Lower Upper

88 100

58 45.2 59.7 89.5#

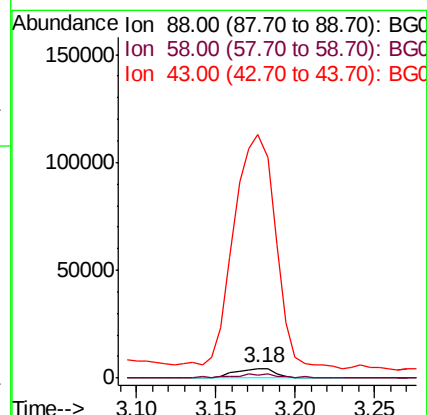
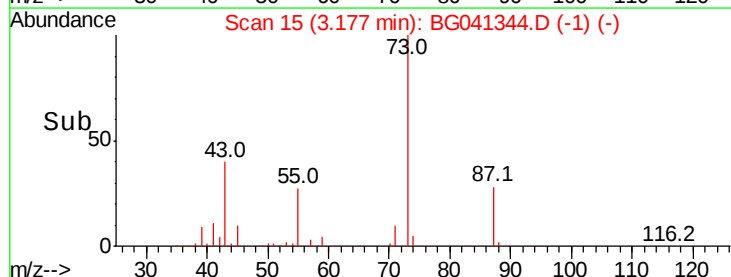
43 2497.8 31.9 47.9#

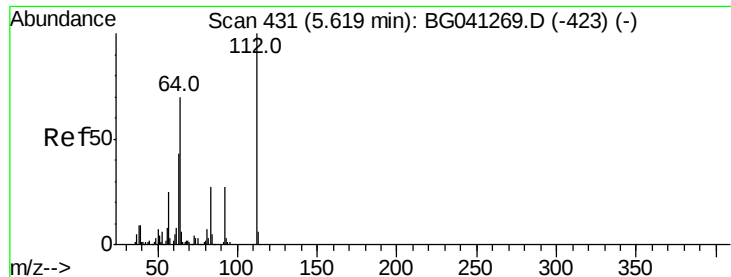


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 124.773 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Instrument :

BNA_G

ClientSampleId :

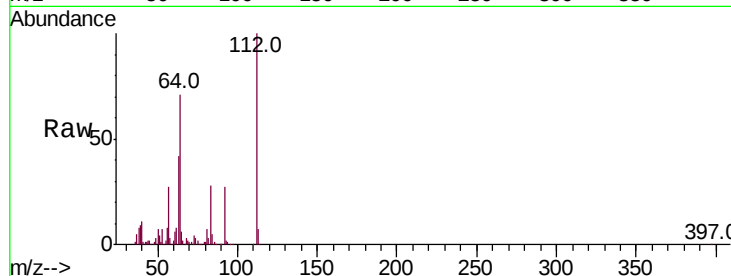
Tot Ion:112 Resp: 257882

Ion Ratio Lower Upper

112 100

64 71.4 55.9 83.9

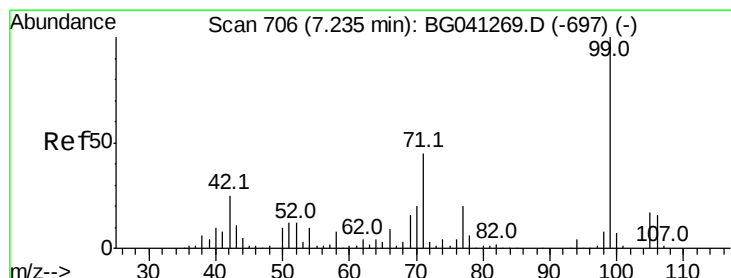
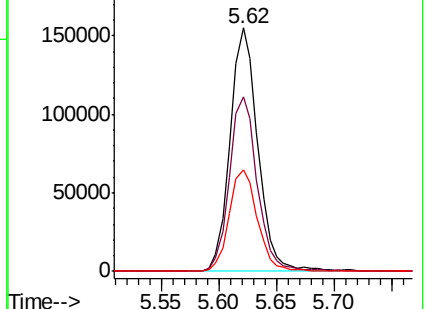
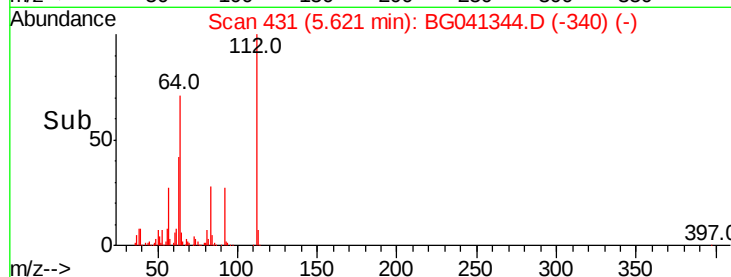
63 41.7 34.6 51.8



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: 111.095 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

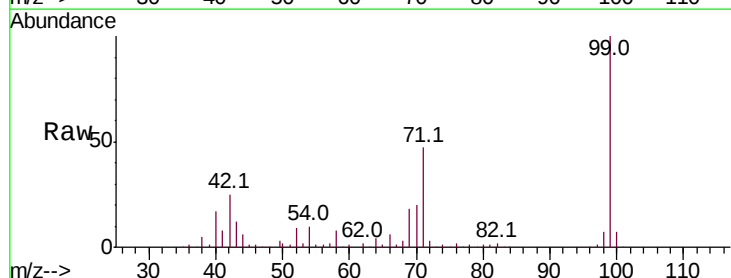
Tgt Ion: 99 Resp: 332825

Ion Ratio Lower Upper

99 100

42 25.0 19.9 29.9

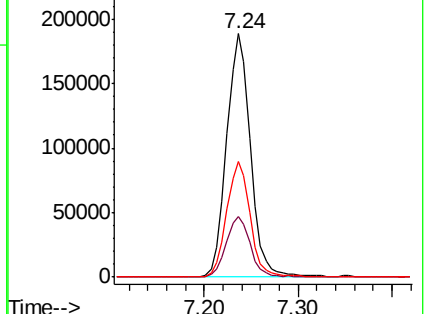
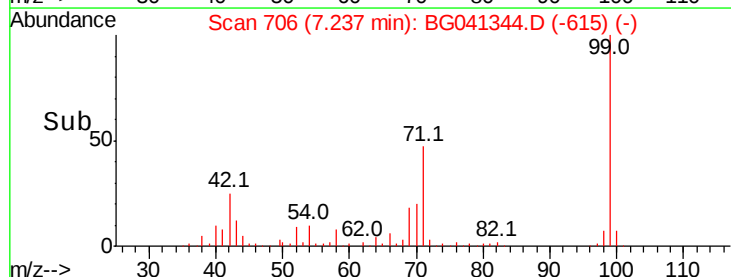
71 47.3 36.4 54.6

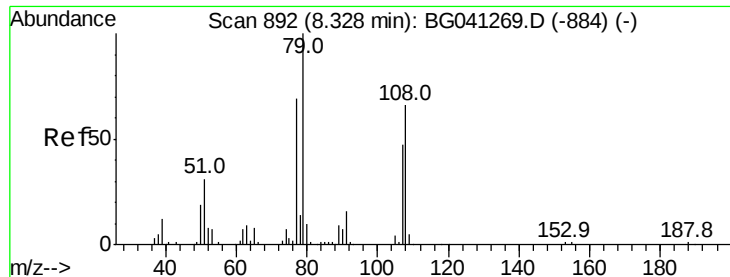


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.113 ng

RT: 8.41 min Scan# 905

Delta R.T. 0.08 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Instrument :

BNA_G

ClientSampled :

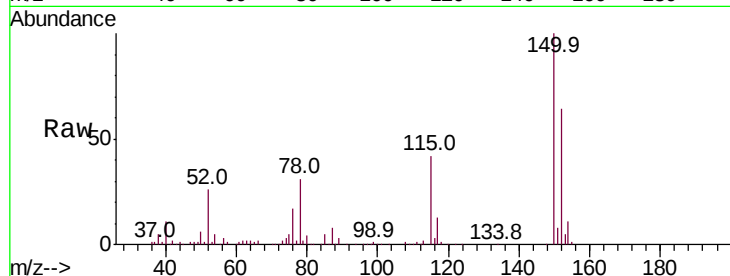
Tot Ion: 79 Resp: 6066

Ion Ratio Lower Upper

79 100

108 37.3 52.7 79.1#

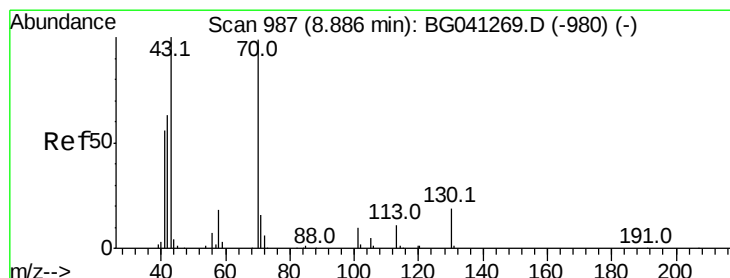
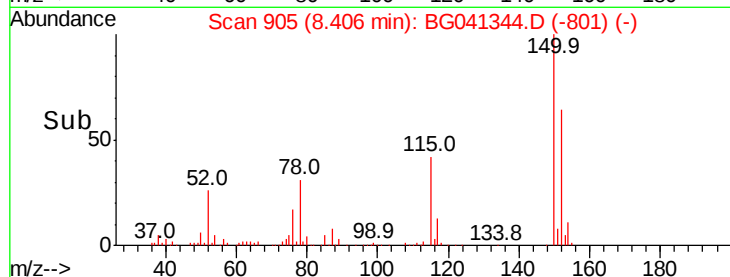
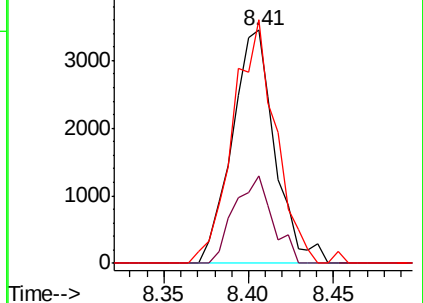
77 104.3 55.2 82.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.204 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Tgt Ion: 70 Resp: 46532

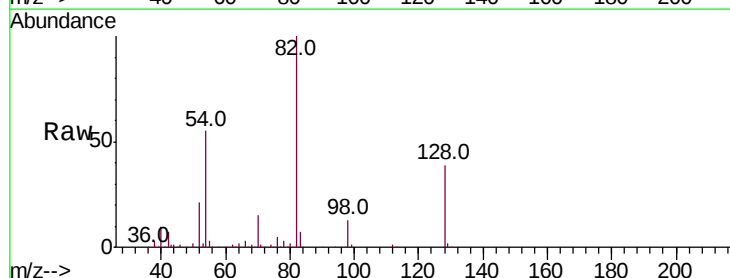
Ion Ratio Lower Upper

70 100

42 44.8 51.4 77.2#

101 0.0 8.2 12.2#

130 2.9 15.2 22.8#

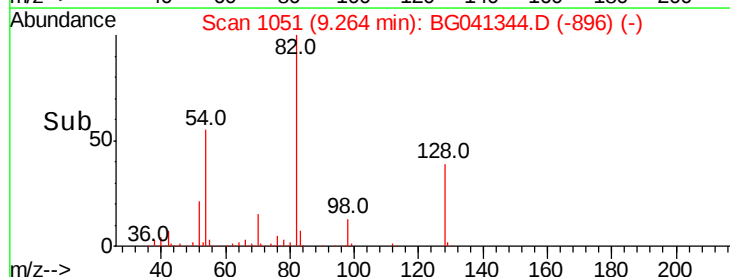
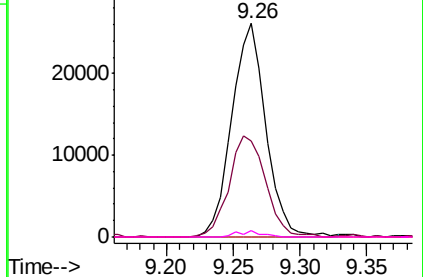


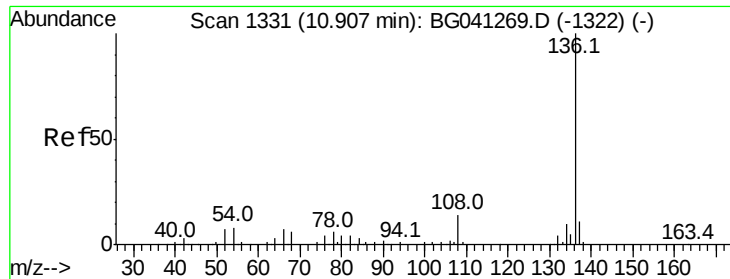
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

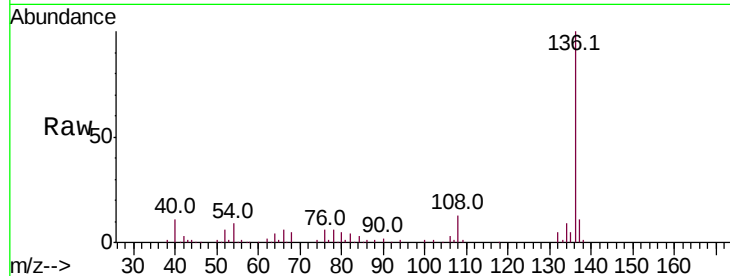




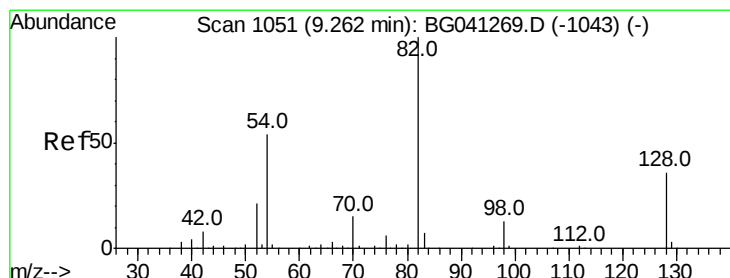
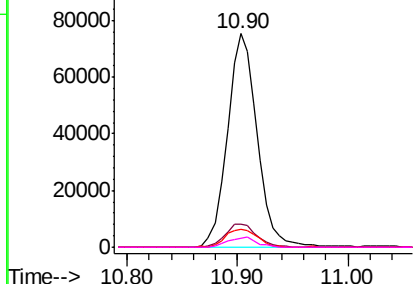
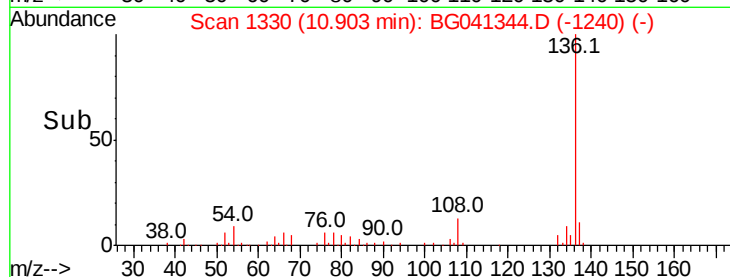
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041344.D
Acq: 20 Jun 2019 3:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	142267
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.5	6.4	9.6
68	4.5	4.8	7.2#

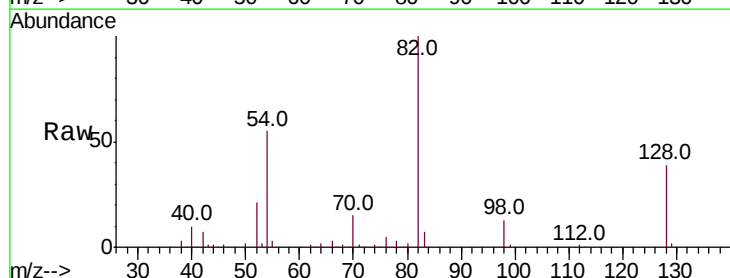


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

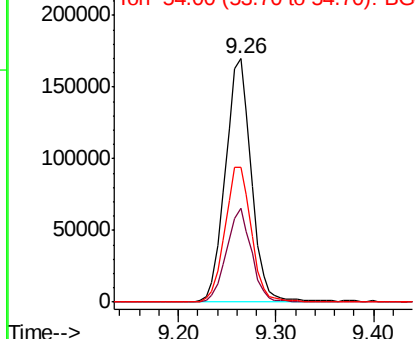
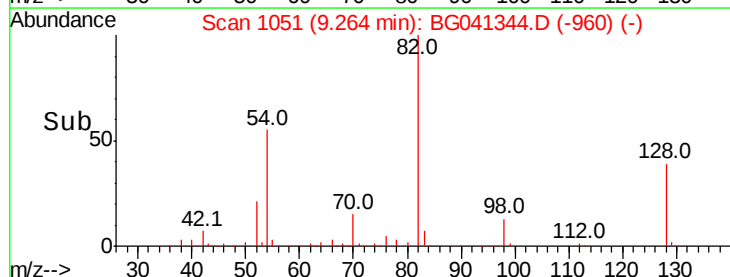


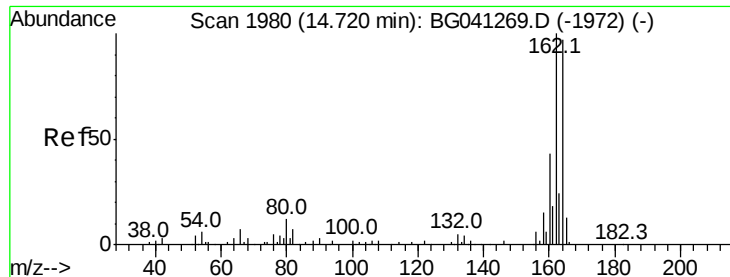
#23
Nitrobenzene-d5
Concen: 92.649 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041344.D
Acq: 20 Jun 2019 3:05

Tgt Ion:	82	Resp:	313412
Ion	Ratio	Lower	Upper
82	100		
128	38.7	29.2	43.8
54	55.4	43.4	65.0



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: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Instrument :

BNA_G

ClientSampleId :

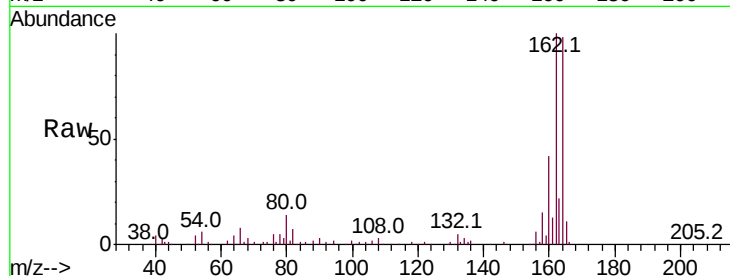
Tot Ion:164 Resp: 100478

Ion Ratio Lower Upper

164 100

162 102.0 82.8 124.2

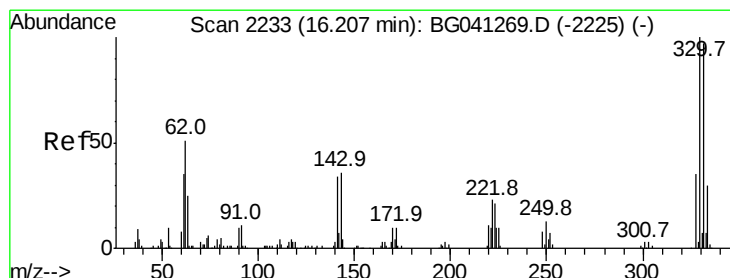
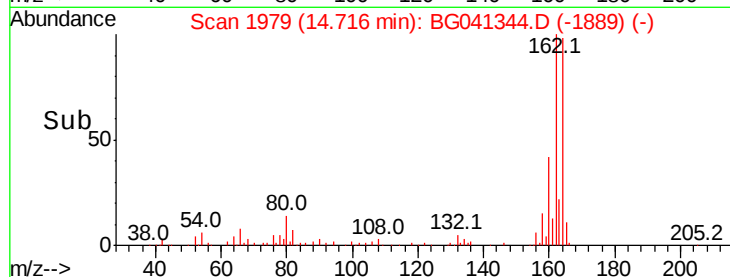
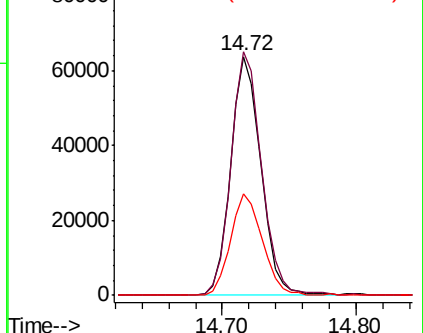
160 42.5 35.8 53.8



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: 135.004 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

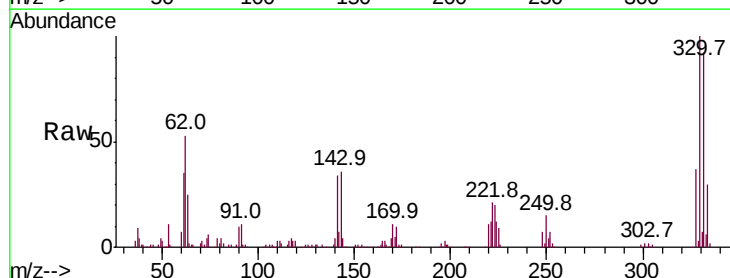
Tgt Ion:330 Resp: 208252

Ion Ratio Lower Upper

330 100

332 93.6 75.5 113.3

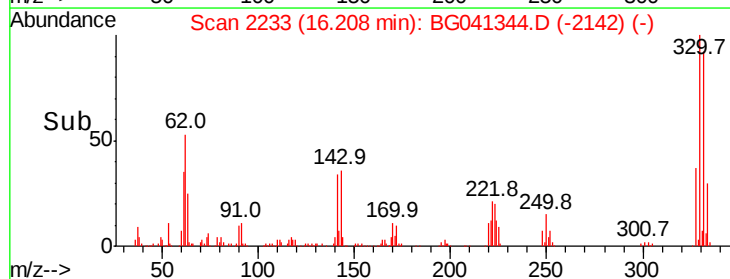
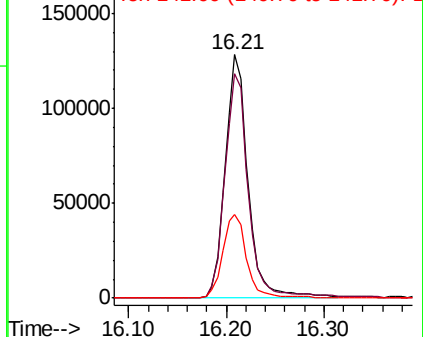
141 36.3 29.0 43.4

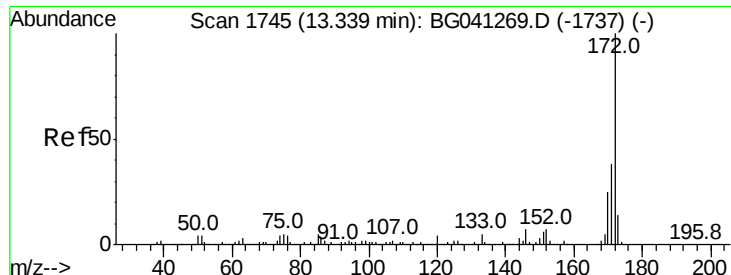


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

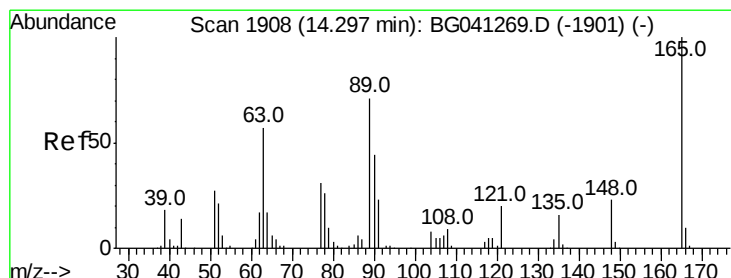
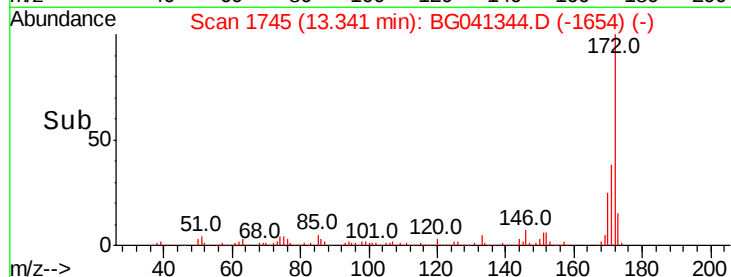
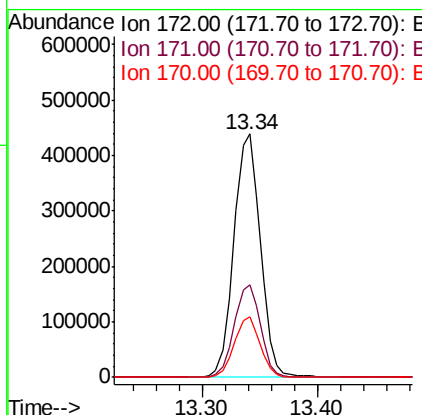
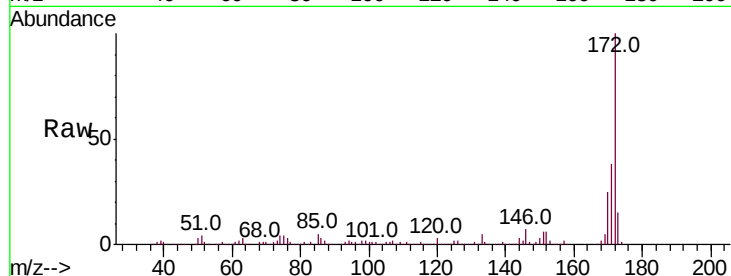




#45
2-Fluorobiphenyl
Concen: 94.456 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.00 min
Lab File: BG041344.D
Acq: 20 Jun 2019 3:05

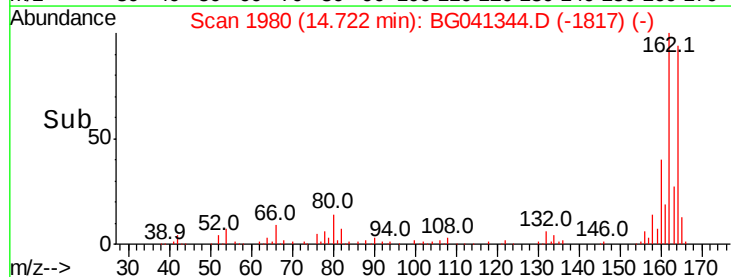
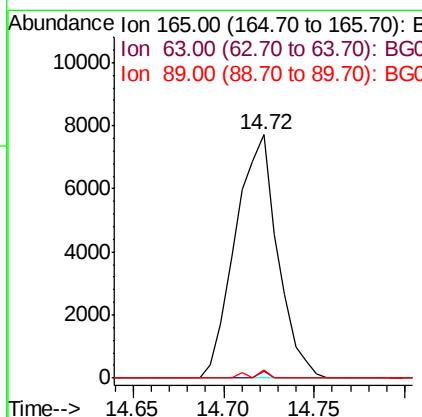
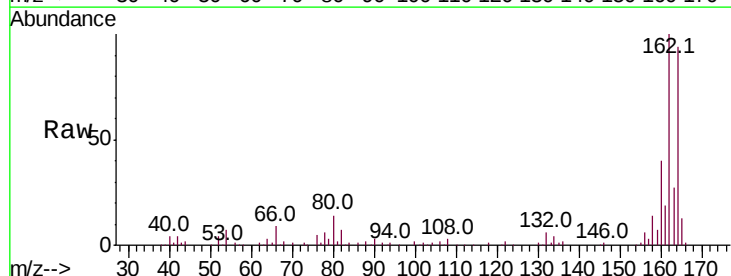
Instrument :
BNA_G
ClientSampled :

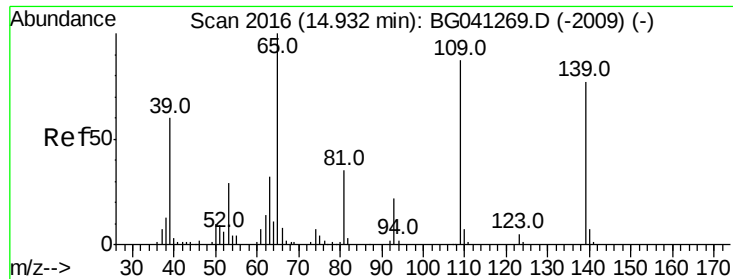
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.0	45.0
170	24.8	19.8	29.6



#51
2,6-Dinitrotoluene
Concen: 6.628 ng
RT: 14.72 min Scan# 1980
Delta R.T. 0.42 min
Lab File: BG041344.D
Acq: 20 Jun 2019 3:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	55.4	83.0#
89	3.2	56.5	84.7#

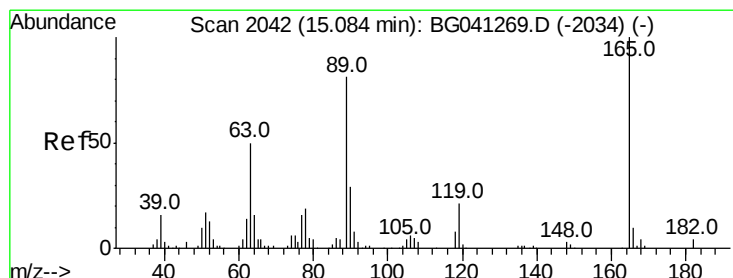
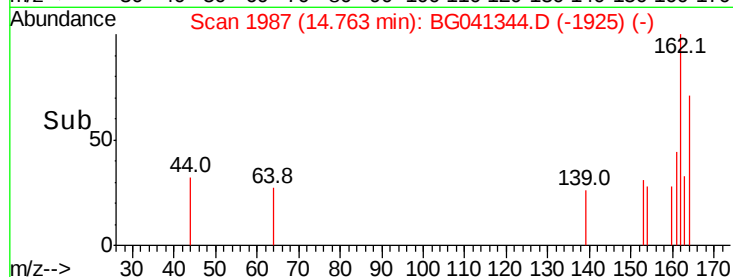
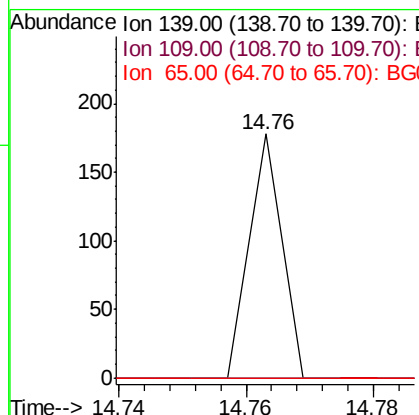
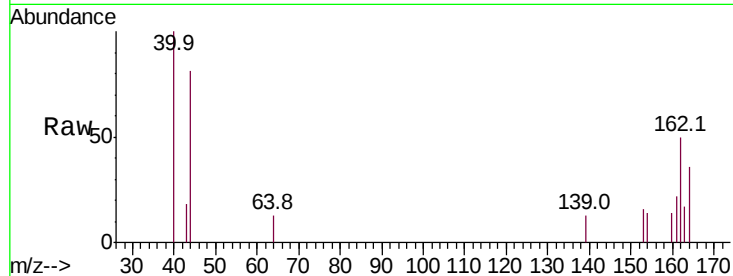




#56
 4-Nitrophenol
 Concen: 3.258 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.17 min
 Lab File: BG041344.D
 Acq: 20 Jun 2019 3:05

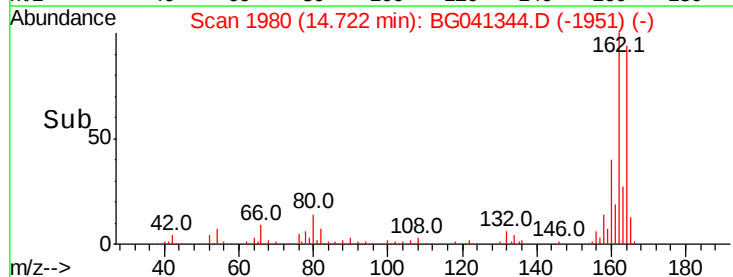
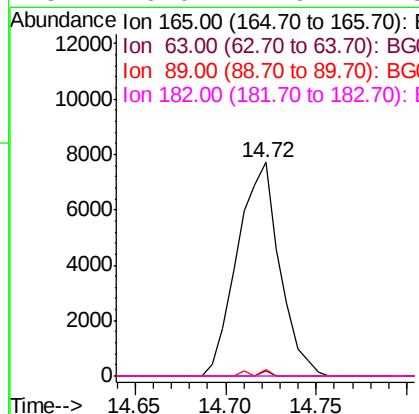
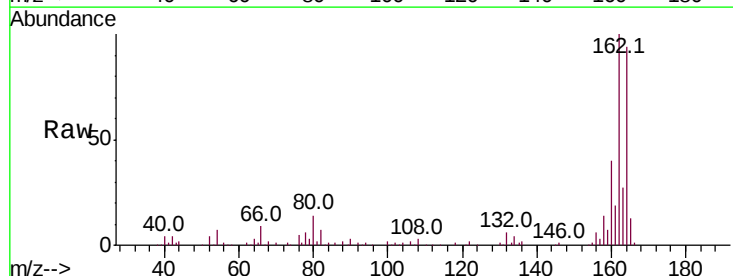
Instrument :
 BNA_G
 ClientSampleId :

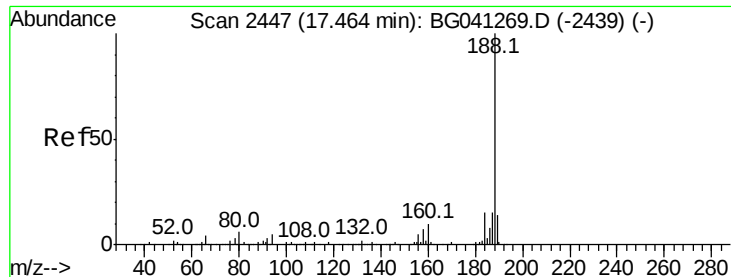
Tot Ion:	139	Resp:	63
Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	0.0	110.2	150.2#



#57
 2,4-Dinitrotoluene
 Concen: 4.534 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. -0.36 min
 Lab File: BG041344.D
 Acq: 20 Jun 2019 3:05

Tgt Ion:	165	Resp:	12494
Ion	Ratio	Lower	Upper
165	100		
63	2.7	40.0	60.0#
89	3.2	64.6	96.8#
182	0.0	2.9	4.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Instrument :

BNA_G

ClientSampleId :

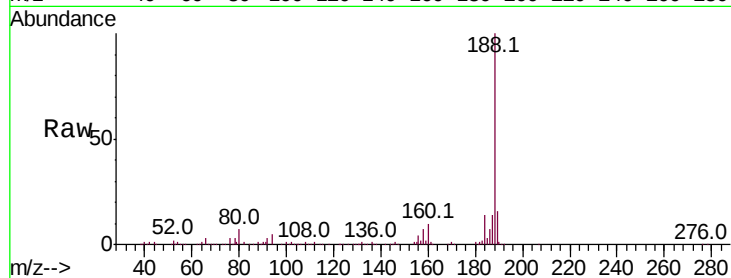
Tot Ion:188 Resp: 234028

Ion Ratio Lower Upper

188 100

94 5.2 3.6 5.4

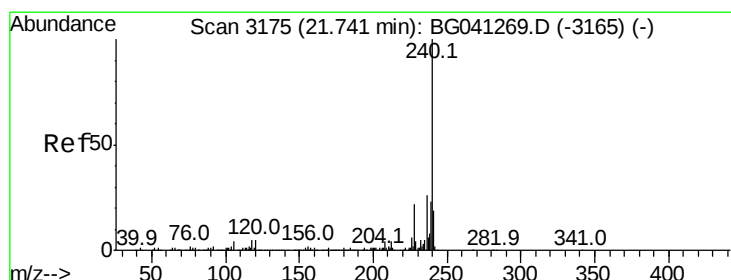
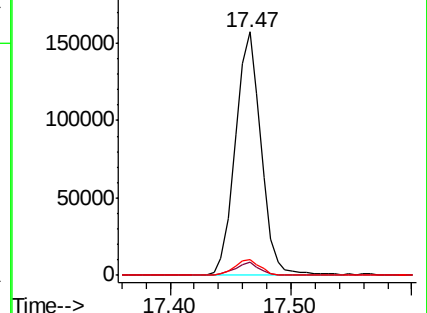
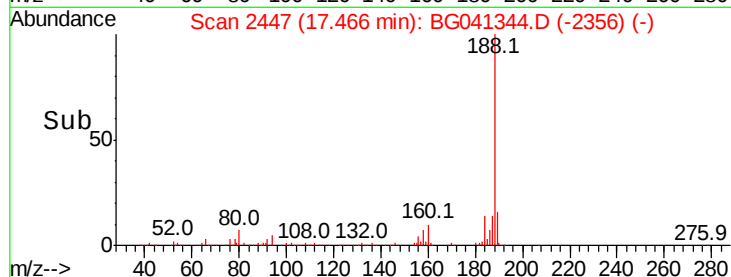
80 6.5 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

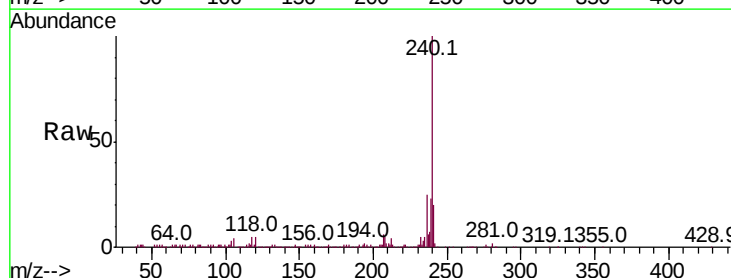
Tgt Ion:240 Resp: 222479

Ion Ratio Lower Upper

240 100

120 4.8 3.7 5.5

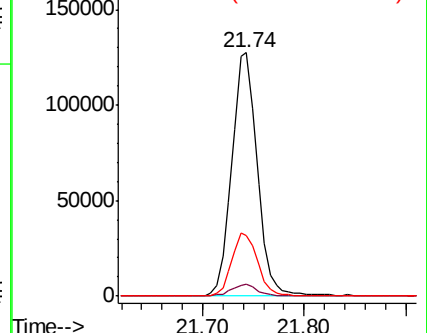
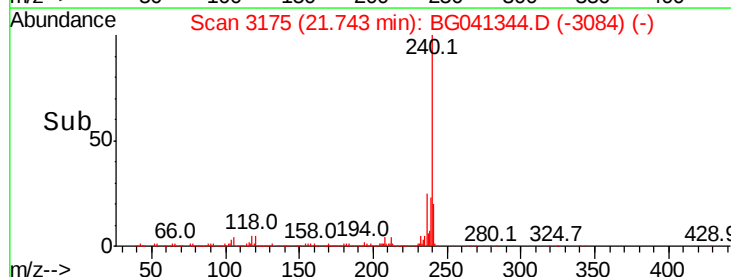
236 24.9 21.1 31.7

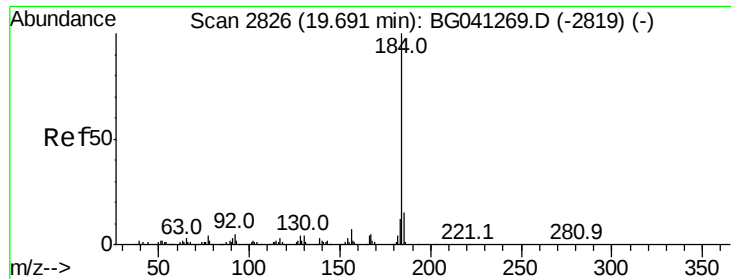


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

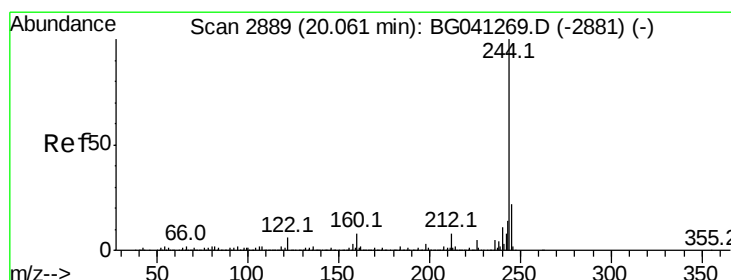
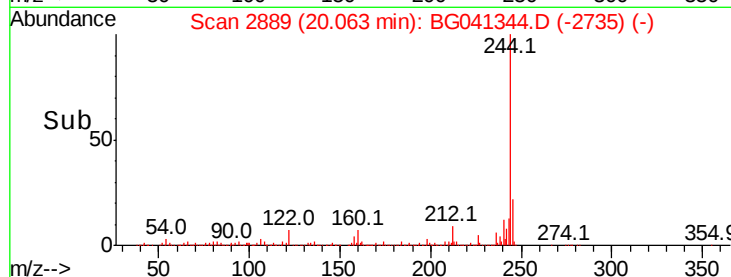
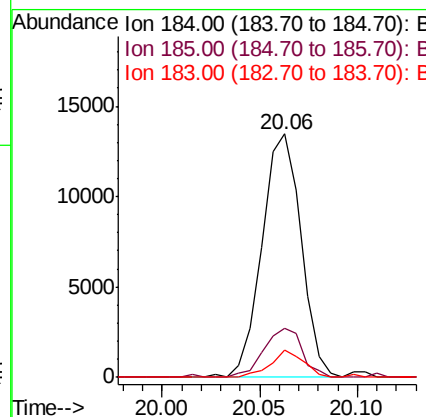
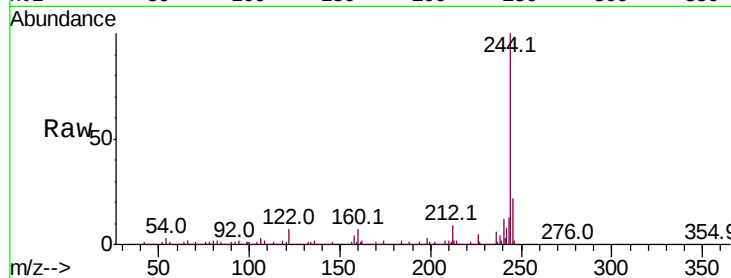




#77
Benzidine
Concen: 3.470 ng
RT: 20.06 min Scan# 2889
Delta R.T. 0.37 min
Lab File: BG041344.D
Acq: 20 Jun 2019 3:05

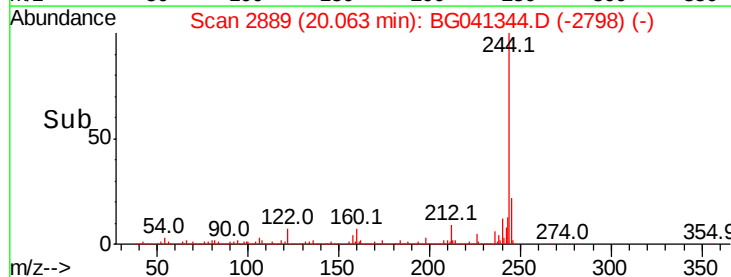
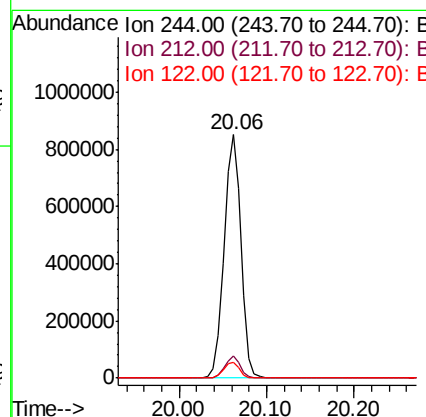
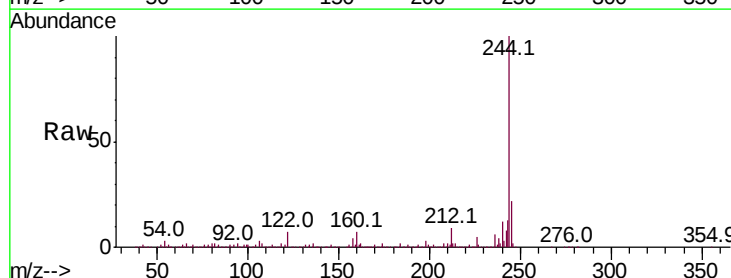
Instrument :
BNA_G
ClientSampleId :

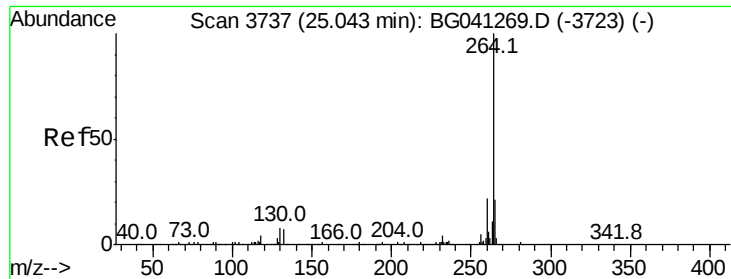
Tot Ion:184 Resp: 18674
Ion Ratio Lower Upper
184 100
185 20.4 12.2 18.2#
183 11.3 9.6 14.4



#79
Terphenyl-d14
Concen: 101.261 ng
RT: 20.06 min Scan# 2889
Delta R.T. 0.00 min
Lab File: BG041344.D
Acq: 20 Jun 2019 3:05

Tgt Ion:244 Resp: 1136768
Ion Ratio Lower Upper
244 100
212 8.9 6.6 10.0
122 6.5 5.0 7.4

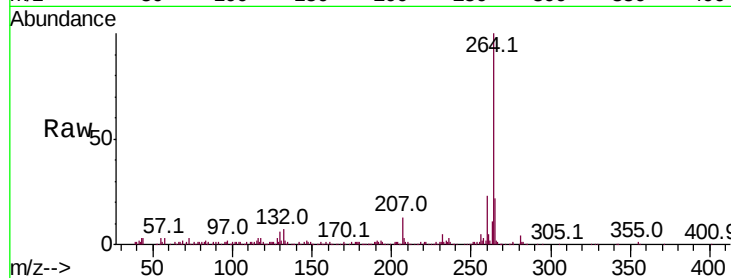




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.06 min Scan# 3739
 Delta R.T. 0.01 min
 Lab File: BG041344.D
 Acq: 20 Jun 2019 3:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
216614	264	100		
	260	22.7	17.4	26.2
	265	22.2	17.2	25.8



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

