

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043432.D
 Acq On : 31 Oct 2019 12:46
 Operator : JU
 Sample : K5599-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 14:01:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

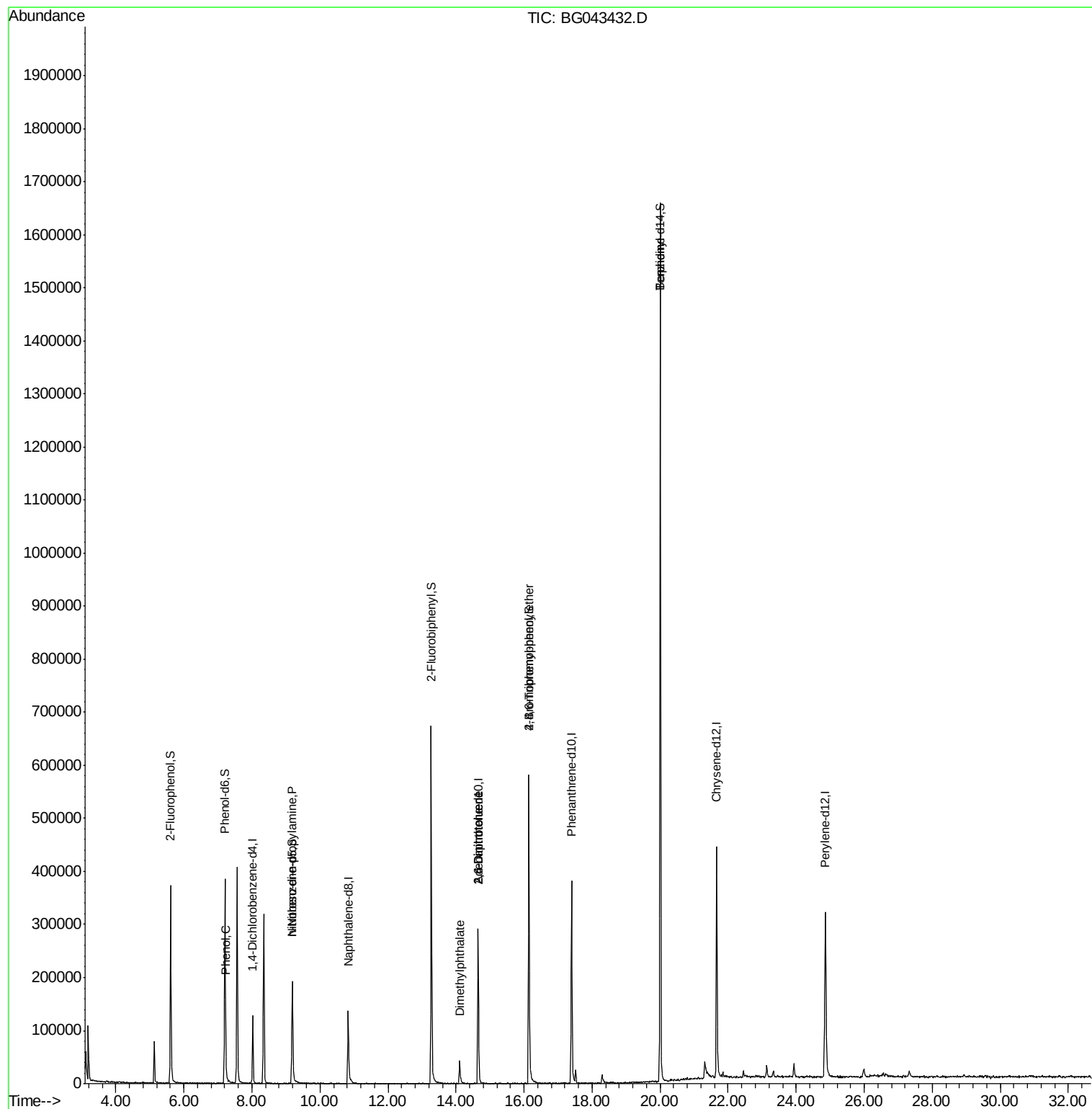
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	40185	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	146291	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	118712	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	283409	20.00	ng	0.00
76) Chrysene-d12	21.66	240	315197	20.00	ng	0.00
87) Perylene-d12	24.86	264	370738	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	182887	83.40	ng	0.00
7) Phenol-d6	7.21	99	248727	78.83	ng	0.00
23) Nitrobenzene-d5	9.19	82	147484	51.97	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	156588	69.31	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	432843	50.38	ng	0.00
79) Terphenyl-d14	20.00	244	908284	54.06	ng	0.00
Target Compounds						
10) Phenol	7.23	94	6293	2.183	ng	# 63
19) n-Nitroso-di-n-propylamine	9.19	70	20639	10.123	ng	# 72
50) Dimethylphthalate	14.11	163	47179	5.131	ng	# 97
51) 2,6-Dinitrotoluene	14.65	165	15927	7.973	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	15926	5.579	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	10052	2.636	ng	# 1
77) Benzidine	20.00	184	12837	2.024	ng	# 89

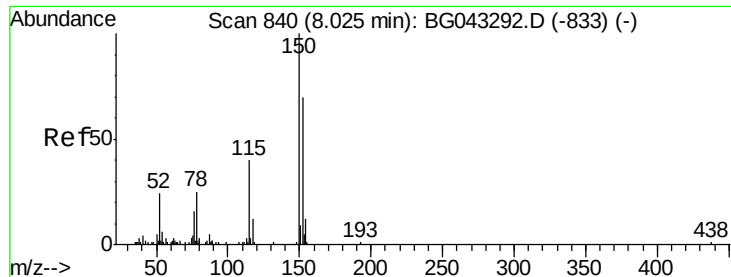
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 21 16:37:43 2019
Response via : Initial Calibration



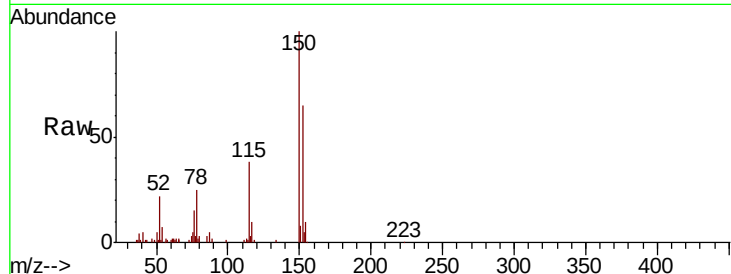


#1

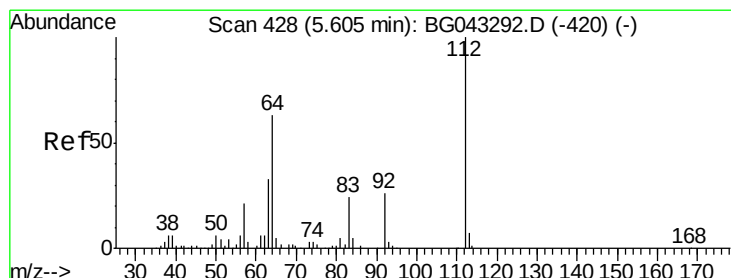
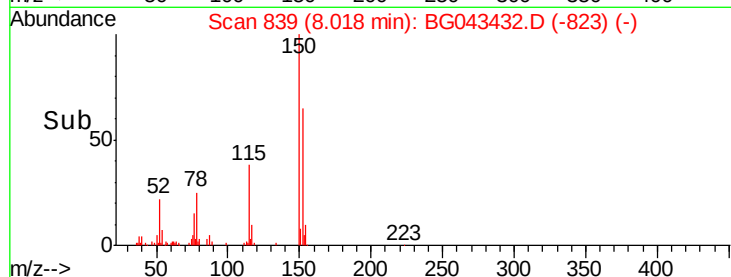
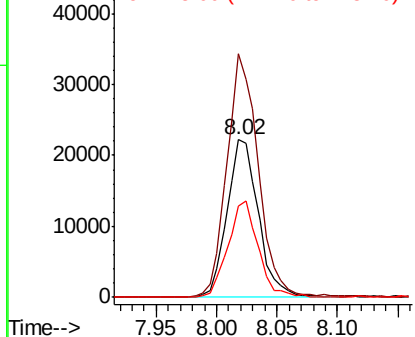
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	113.6	170.4
115	58.4	45.9	68.9



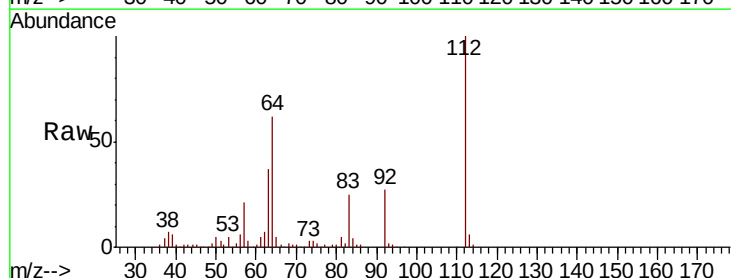
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



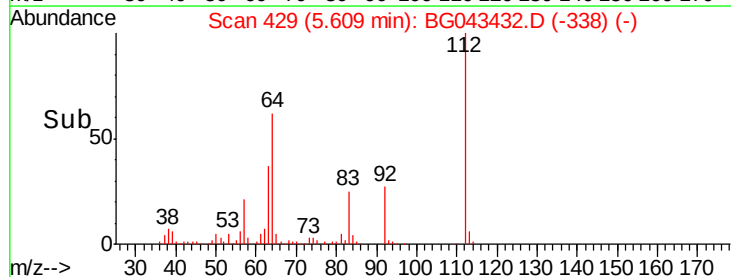
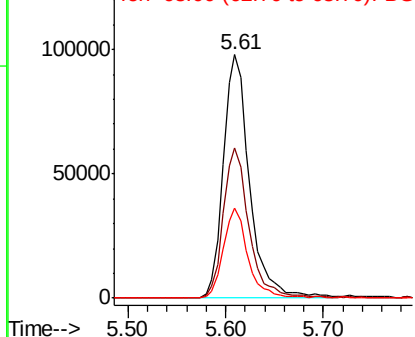
#5

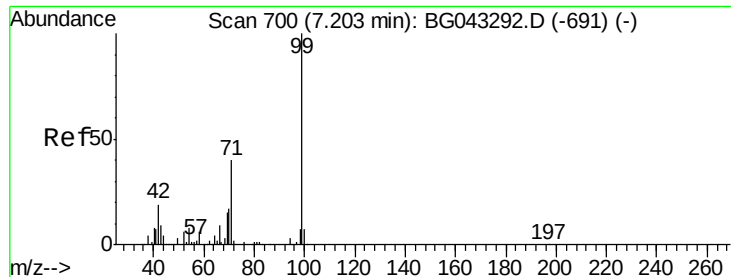
2-Fluorophenol
Concen: 83.397 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	50.2	75.2
63	37.1	26.7	40.1



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





#7

Phenol-d6

Concen: 78.832 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043432.D

Acq: 31 Oct 2019 12:46

Instrument :

BNA_G

ClientSampleId :

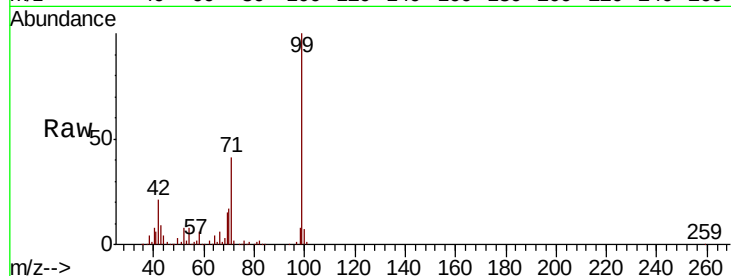
Tot Ion: 99 Resp: 248727

Ion Ratio Lower Upper

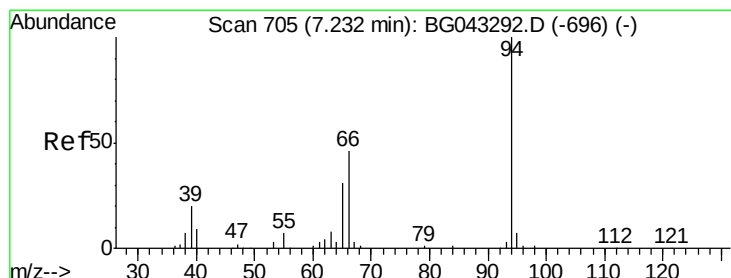
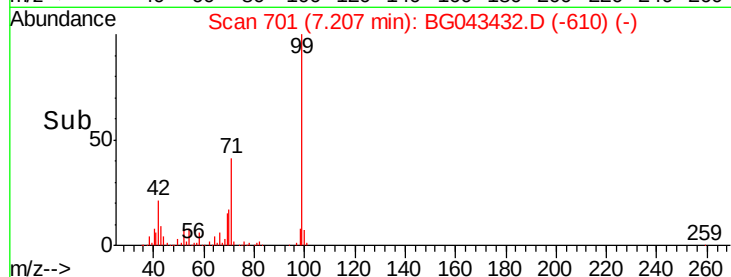
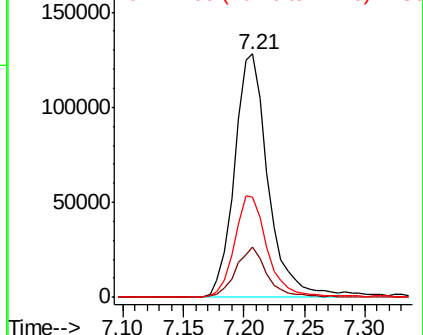
99 100

42 20.9 14.9 22.3

71 41.0 32.2 48.2



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



#10

Phenol

Concen: 2.183 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043432.D

Acq: 31 Oct 2019 12:46

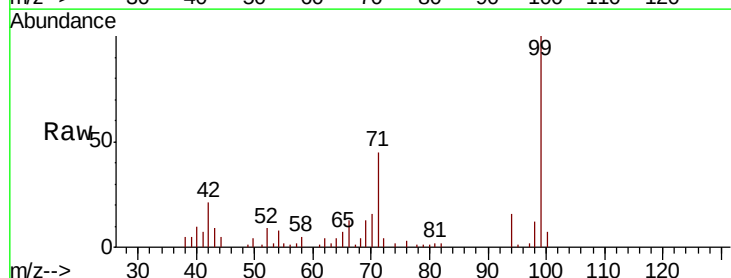
Tgt Ion: 94 Resp: 6293

Ion Ratio Lower Upper

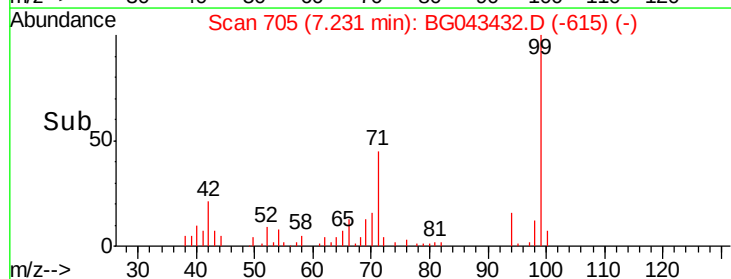
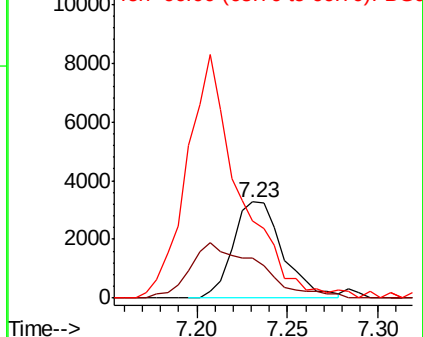
94 100

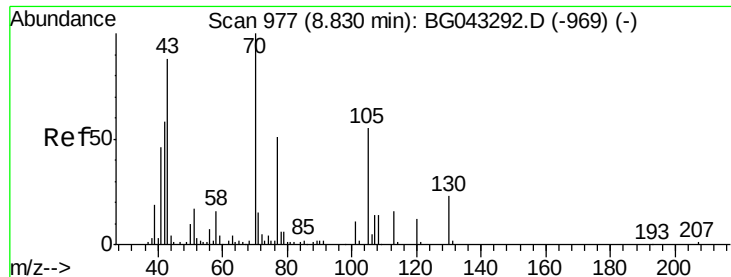
65 42.3 11.1 51.1

66 80.2 27.8 67.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 10.123 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043432.D

Acq: 31 Oct 2019 12:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 20639

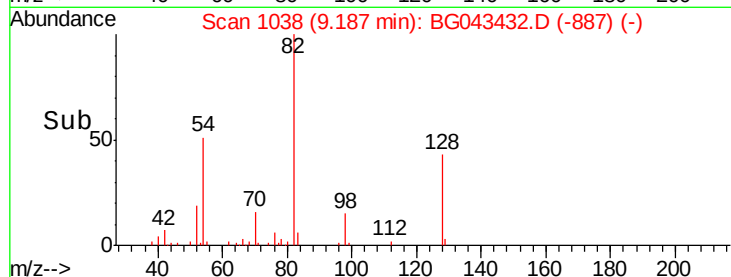
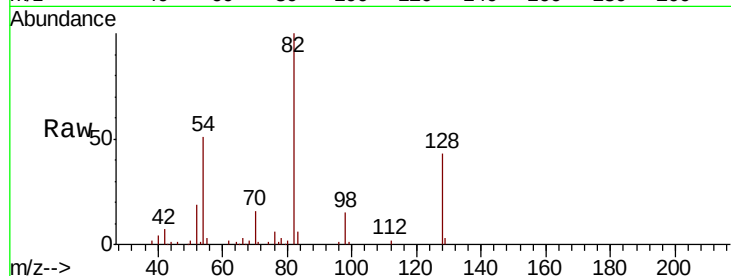
Ion Ratio Lower Upper

70 100

42 42.4 46.2 69.2#

101 0.0 8.6 13.0#

130 0.0 18.6 27.8#

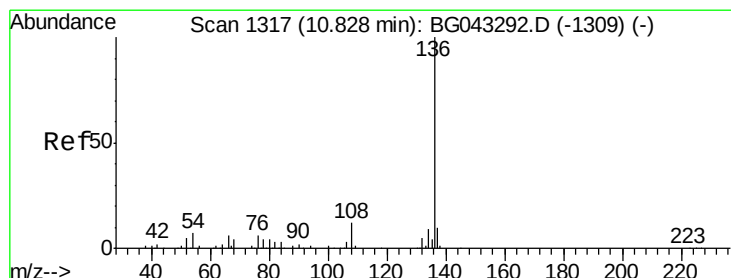
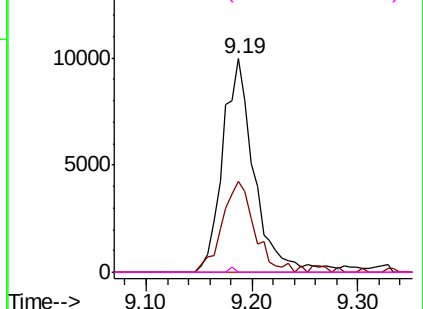


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043432.D

Acq: 31 Oct 2019 12:46

Tgt Ion: 136 Resp: 146291

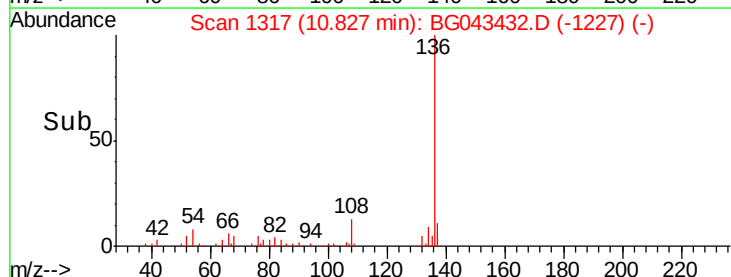
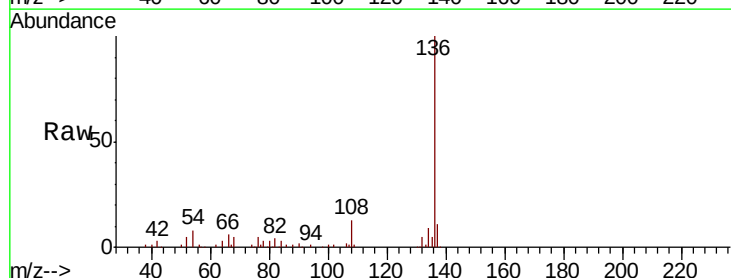
Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.2

54 7.7 5.4 8.2

68 4.7 3.3 4.9

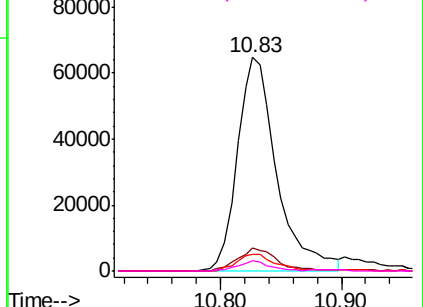


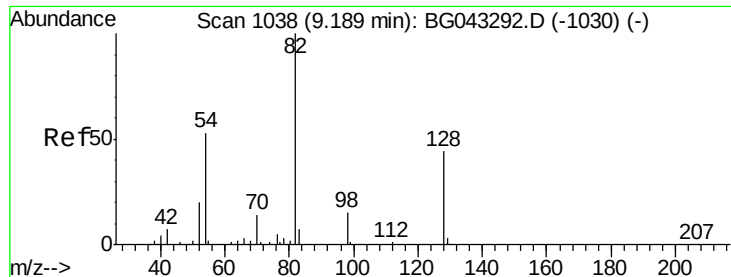
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

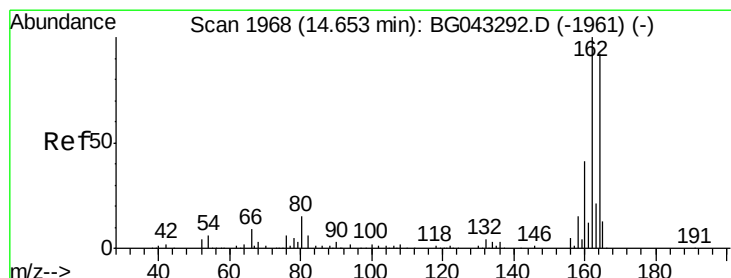
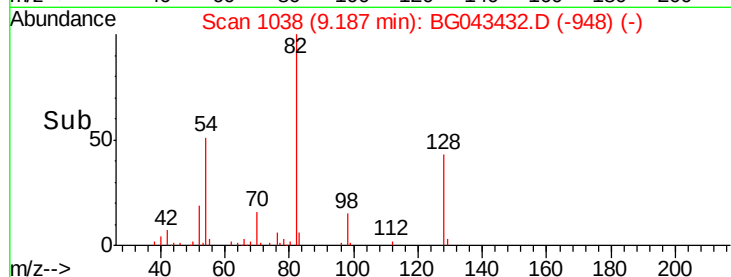
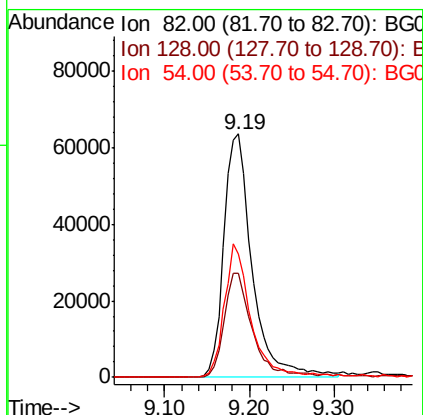
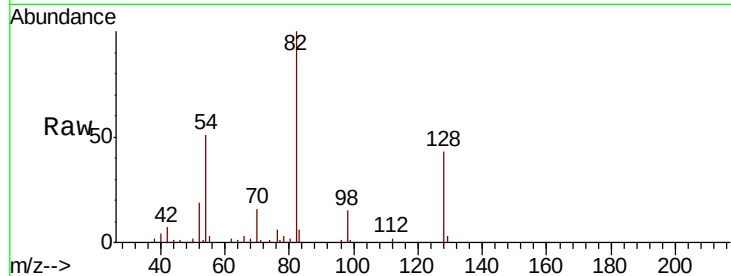




#23
Nitrobenzene-d5
Concen: 51.975 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

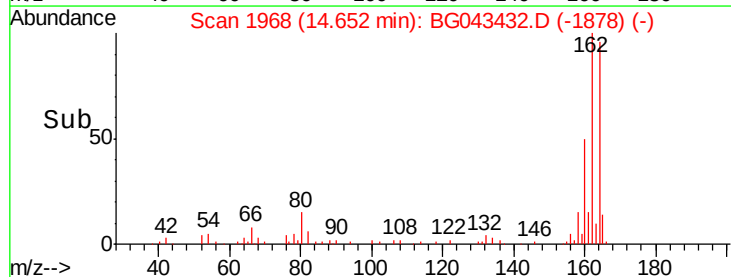
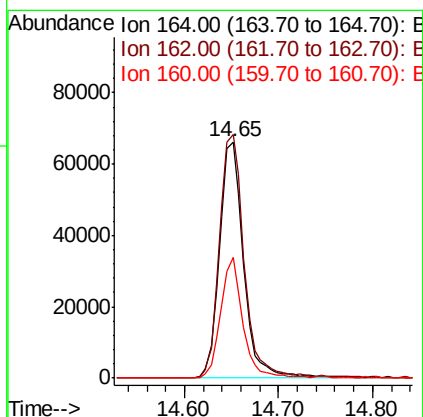
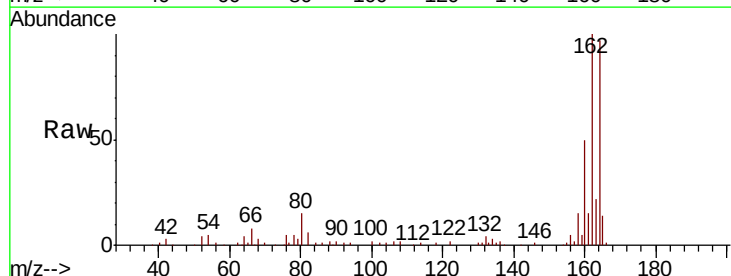
Instrument :
BNA_G
ClientSampleId :

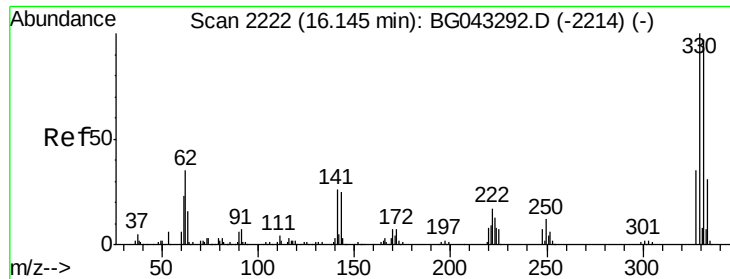
Tot Ion	82	Resp	147484
Ion Ratio	100	Lower	Upper
128	42.5	35.3	52.9
54	50.9	42.3	63.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

Tgt Ion	164	Resp	118712
Ion Ratio	100	Lower	Upper
162	103.0	87.0	130.4
160	51.1	35.5	53.3

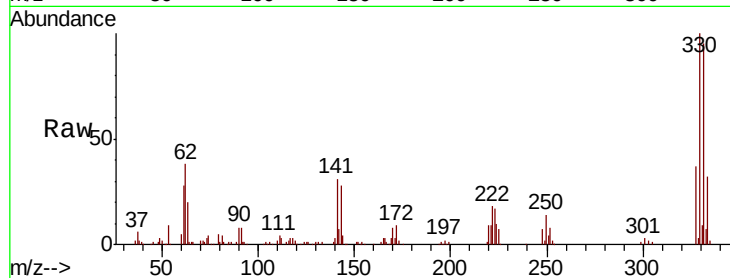




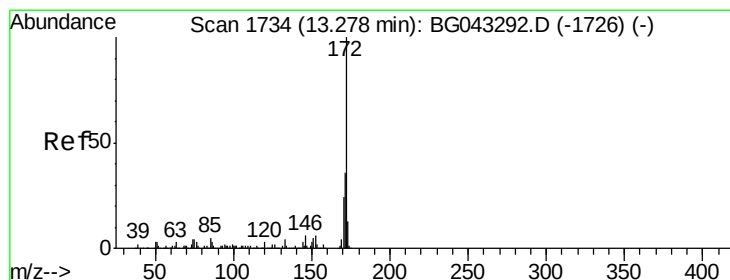
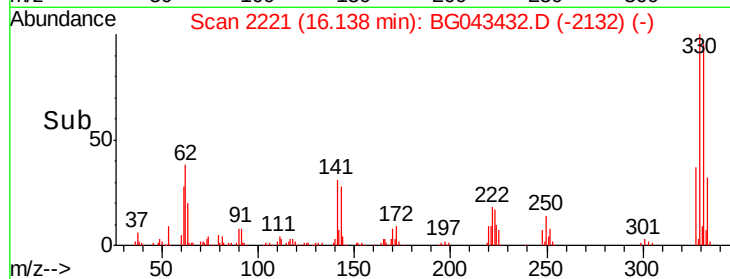
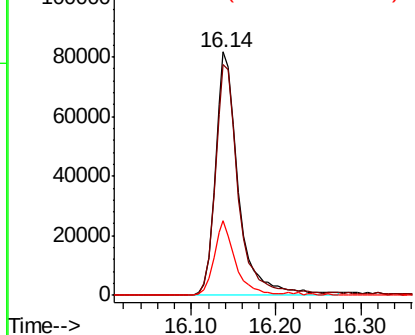
#42
 2,4,6-Tribromophenol
 Concen: 69.315 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043432.D
 Acq: 31 Oct 2019 12:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 156588
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.4 114.6
 141 28.0 21.4 32.0

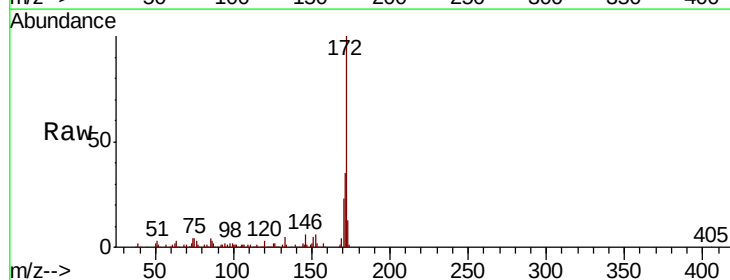


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

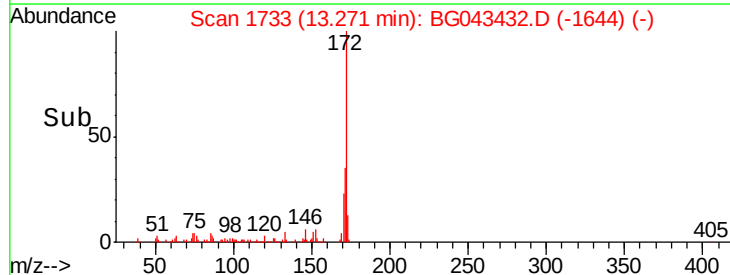
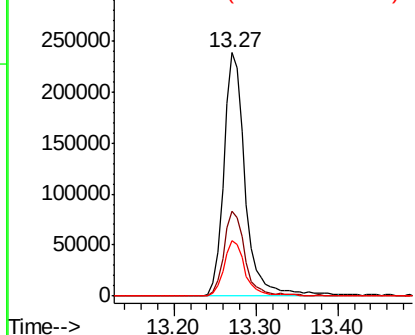


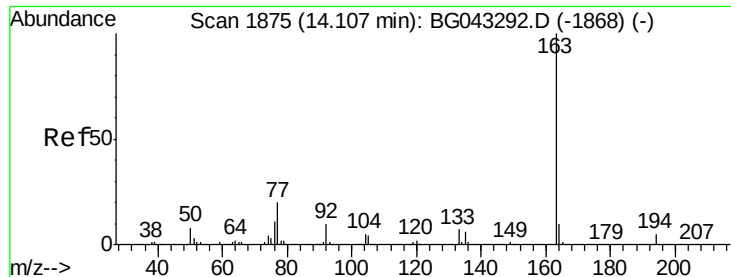
#45
 2-Fluorobiphenyl
 Concen: 50.383 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043432.D
 Acq: 31 Oct 2019 12:46

Tgt Ion:172 Resp: 432843
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.5 42.7
 170 22.5 18.8 28.2



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

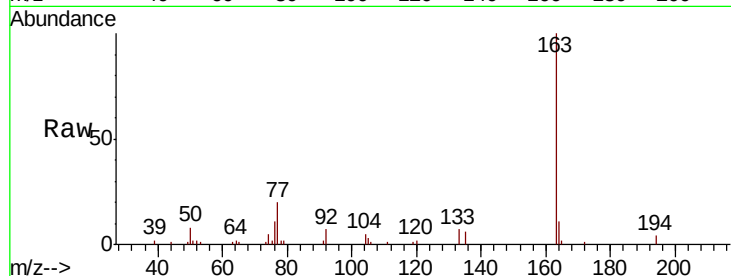




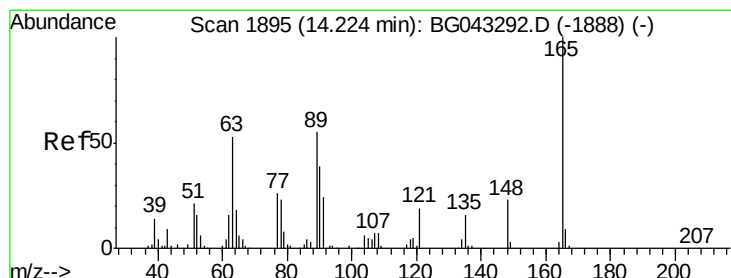
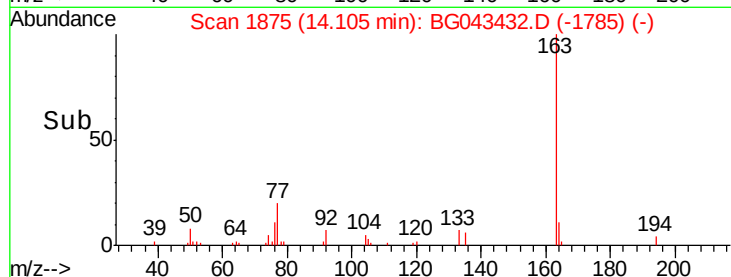
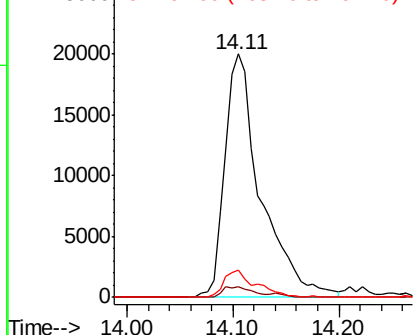
#50
Dimethylphthalate
Concen: 5.131 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 47179
Ion Ratio Lower Upper
163 100
194 4.5 3.7 5.5
164 11.4 8.1 12.1

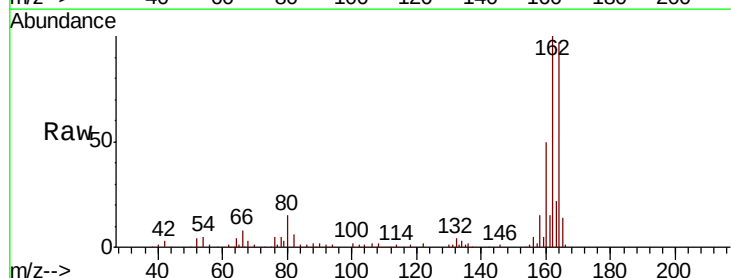


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

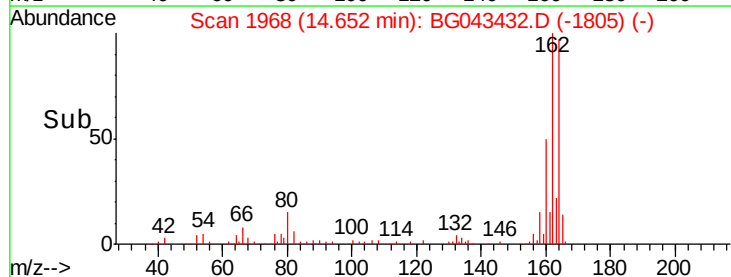
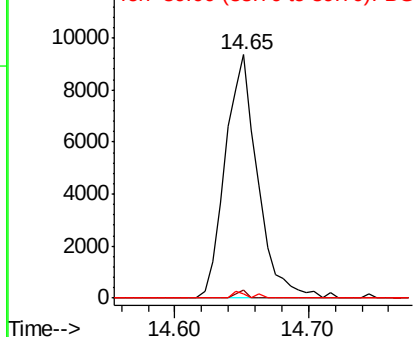


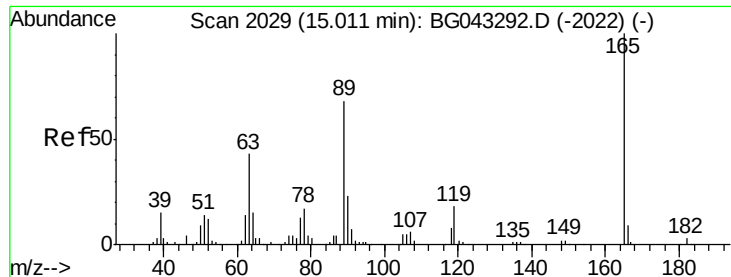
#51
2,6-Dinitrotoluene
Concen: 7.973 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.43 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

Tgt Ion:165 Resp: 15927
Ion Ratio Lower Upper
165 100
63 3.1 47.1 70.7#
89 2.0 43.7 65.5#



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

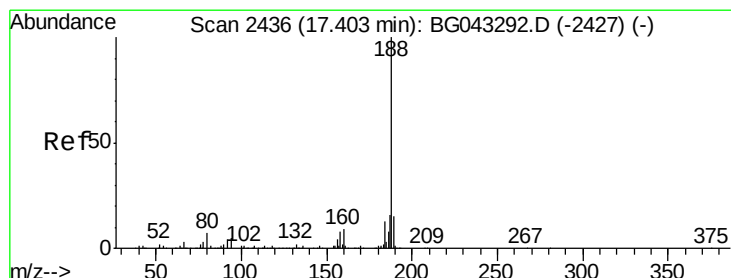
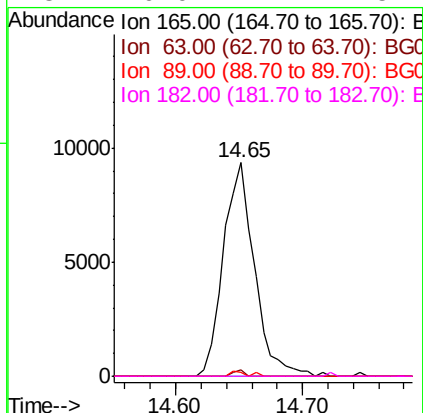
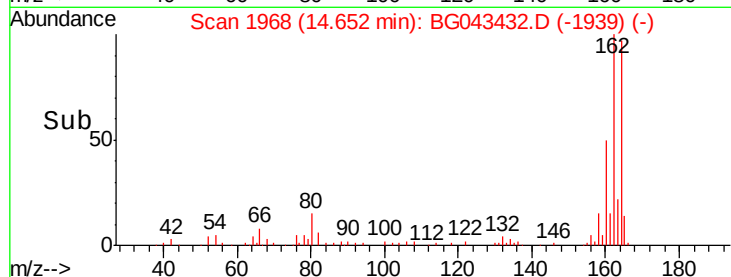
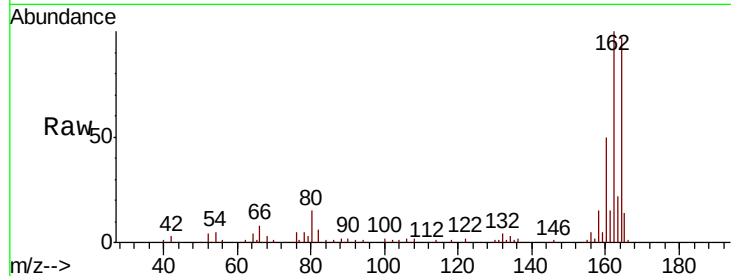




#57
 2,4-Dinitrotoluene
 Concen: 5.579 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043432.D
 Acq: 31 Oct 2019 12:46

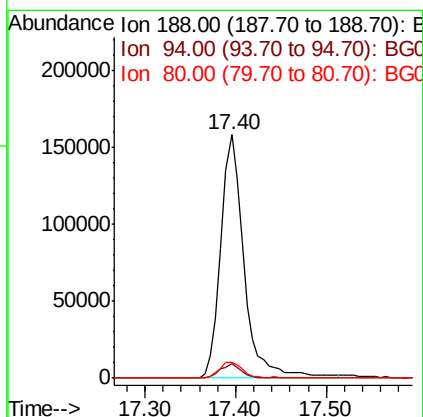
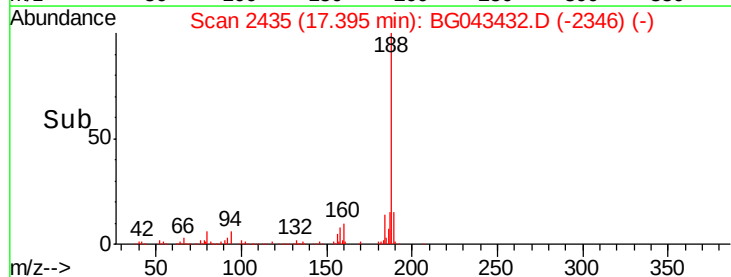
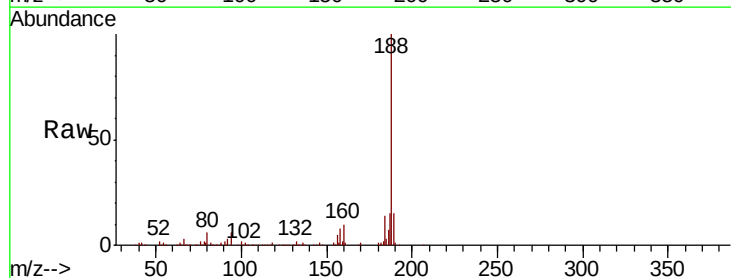
Instrument :
 BNA_G
 ClientSampled :

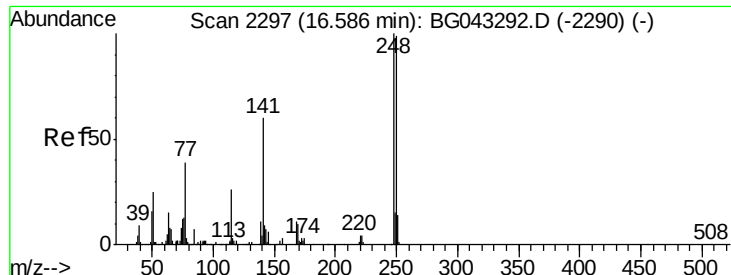
Tot Ion:165	Resp:	15926
Ion Ratio	Lower	Upper
165	100	
63	3.1	35.0 52.6#
89	2.0	54.1 81.1#
182	0.0	2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043432.D
 Acq: 31 Oct 2019 12:46

Tgt Ion:188	Resp:	283409
Ion Ratio	Lower	Upper
188	100	
94	6.2	4.2 6.2
80	6.4	5.2 7.8

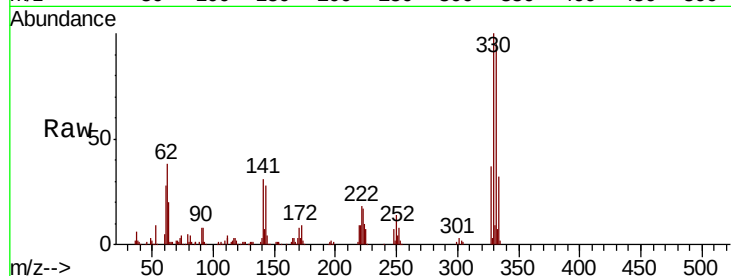




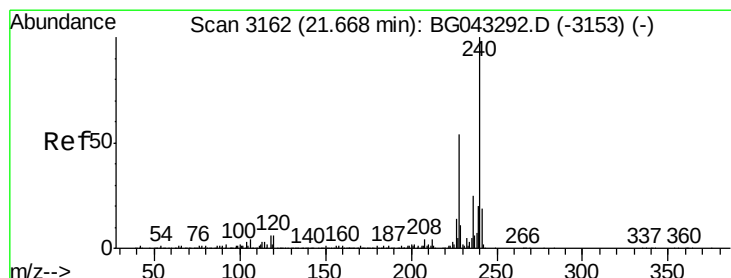
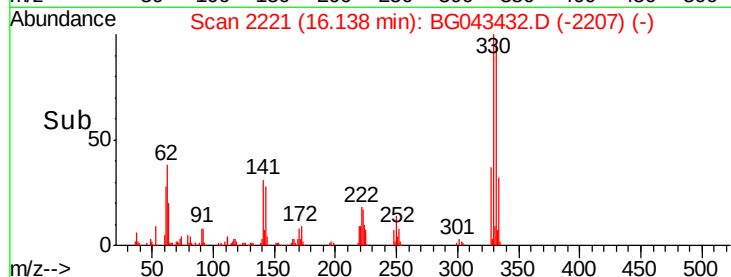
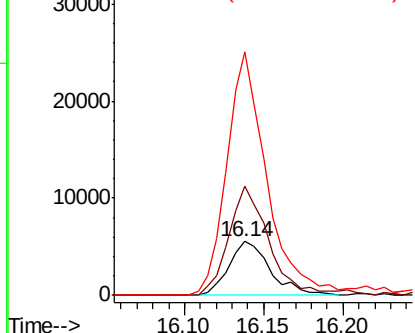
#67
4-Bromophenyl-phenylether
Concen: 2.636 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10052
Ion Ratio Lower Upper
248 100
250 202.8 79.3 118.9#
141 453.3 47.9 71.9#

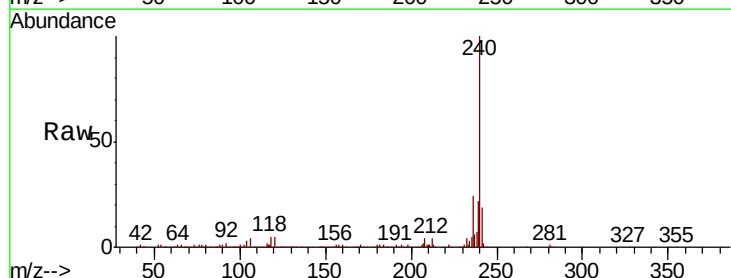


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

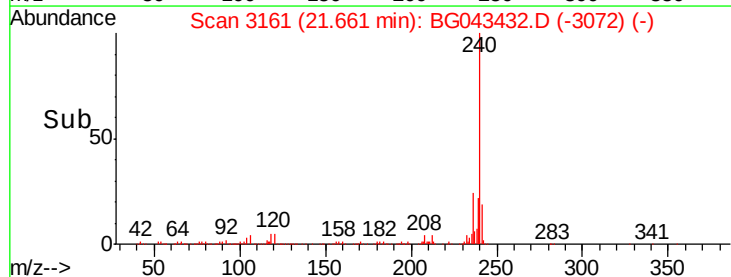
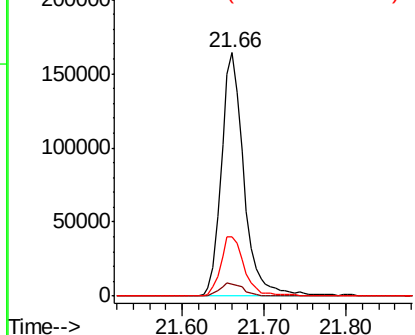


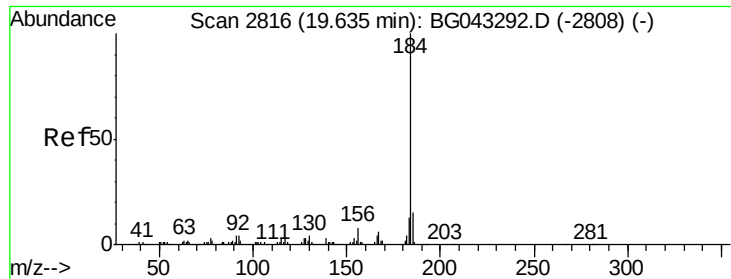
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

Tgt Ion:240 Resp: 315197
Ion Ratio Lower Upper
240 100
120 5.1 4.6 7.0
236 24.4 20.2 30.4



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: 2.024 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043432.D

Acq: 31 Oct 2019 12:46

Instrument :

BNA_G

ClientSampleId :

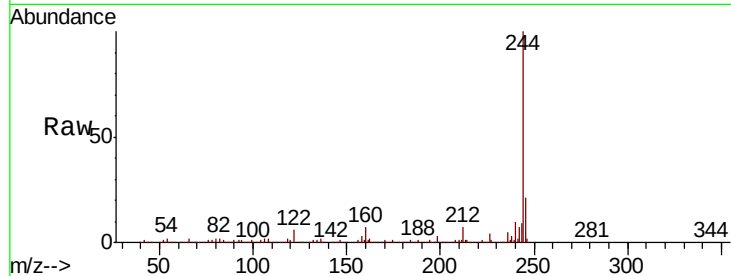
Tot Ion:184 Resp: 12837

Ion Ratio Lower Upper

184 100

185 18.1 11.8 17.6#

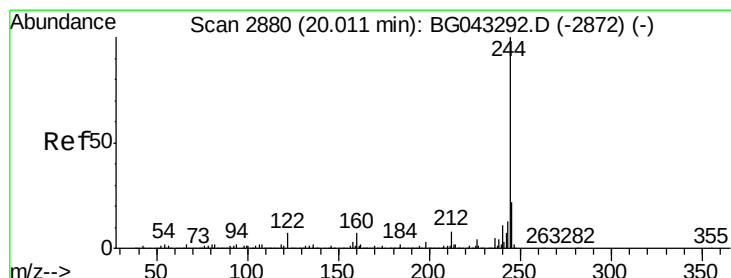
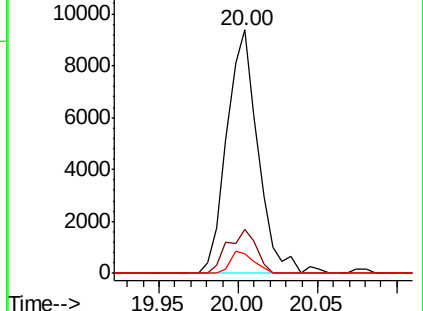
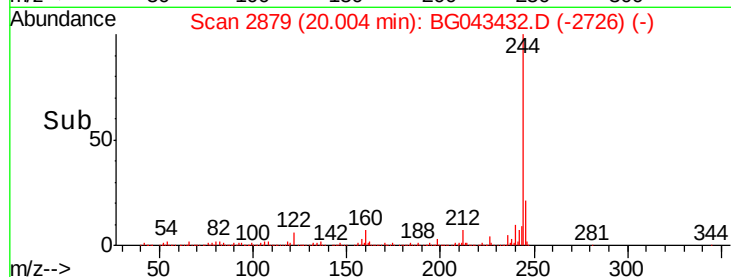
183 7.9 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 54.061 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043432.D

Acq: 31 Oct 2019 12:46

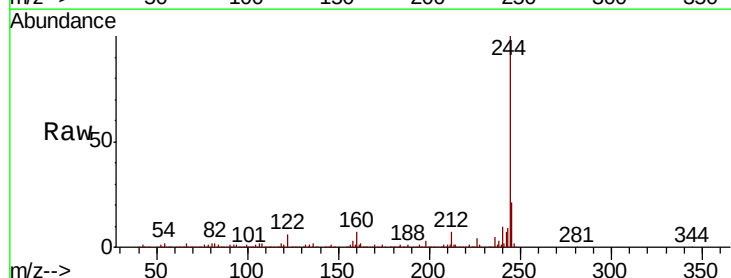
Tgt Ion:244 Resp: 908284

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

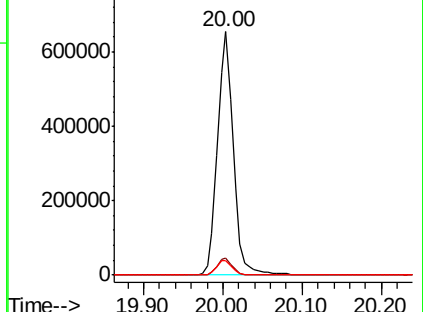
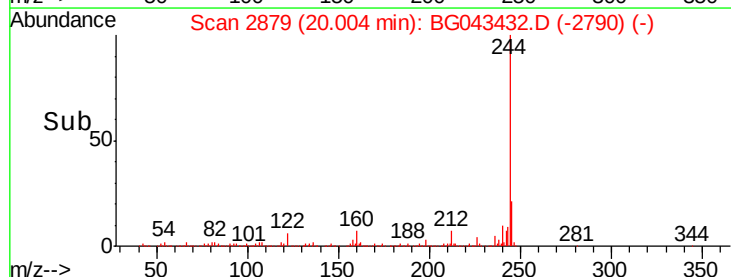
122 6.2 5.3 7.9

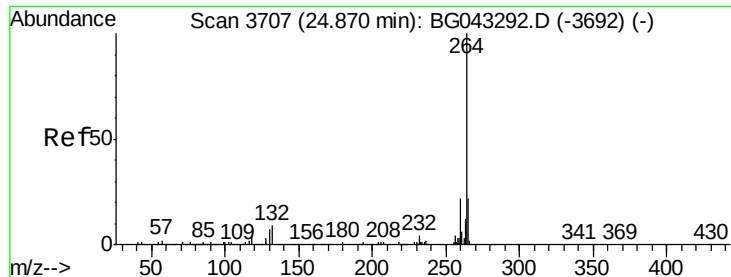


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043432.D
Acq: 31 Oct 2019 12:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.9	26.9
265	22.7	17.4	26.2

