

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043703.D
 Acq On : 19 Nov 2019 18:16
 Operator : JU
 Sample : K5865-23
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 02:47:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

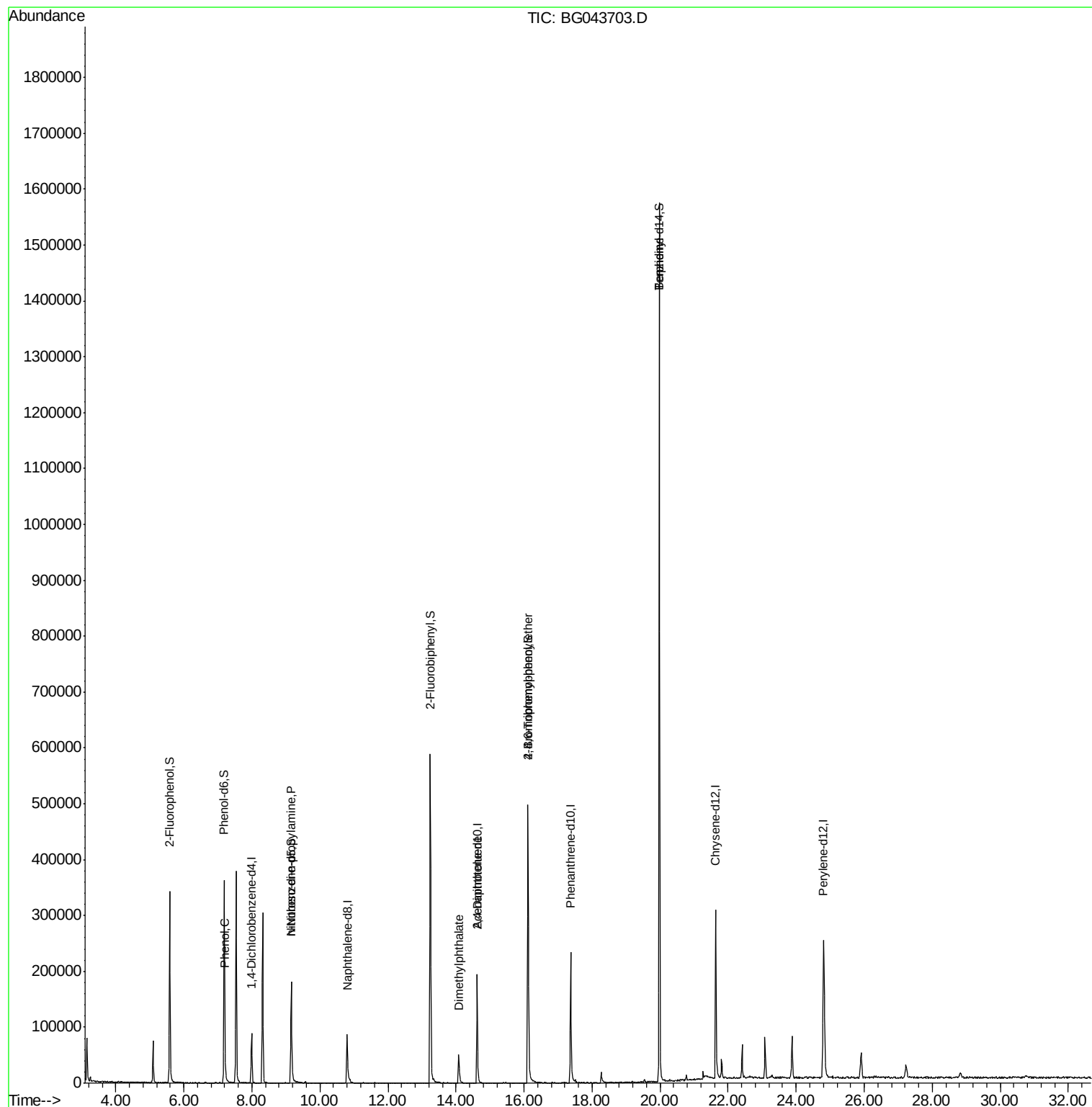
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	26574	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	104244	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	78651	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	199325	20.00	ng	0.00
76) Chrysene-d12	21.63	240	229789	20.00	ng	0.00
87) Perylene-d12	24.81	264	260200	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	160369	110.58	ng	0.00
7) Phenol-d6	7.18	99	225049	107.86	ng	0.00
23) Nitrobenzene-d5	9.15	82	132110	65.34	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	134938	90.16	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	370070	65.02	ng	0.00
79) Terphenyl-d14	19.98	244	859023	70.13	ng	0.00
Target Compounds						
10) Phenol	7.21	94	10322	5.414	ng	86
19) n-Nitroso-di-n-propylamine	9.15	70	19382	14.376	ng	# 74
50) Dimethylphthalate	14.08	163	52405	8.602	ng	99
57) 2,4-Dinitrotoluene	14.62	165	10646	5.629	ng	# 25
67) 4-Bromophenyl-phenylether	16.12	248	8753	3.263	ng	# 1
77) Benzidine	19.98	184	12907	2.791	ng	# 39

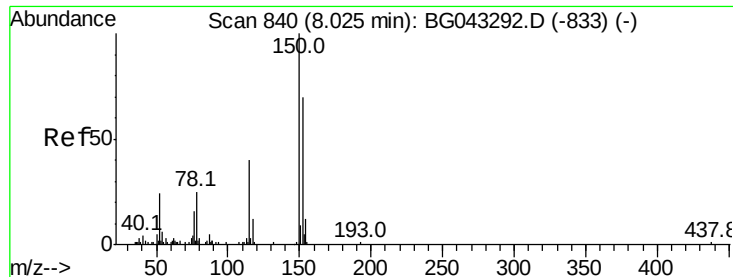
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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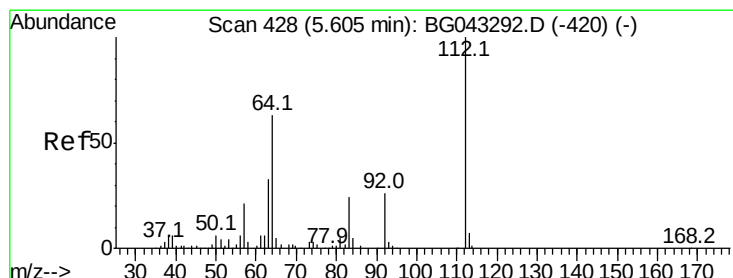
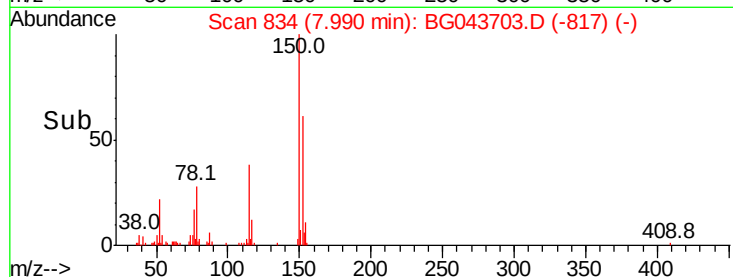
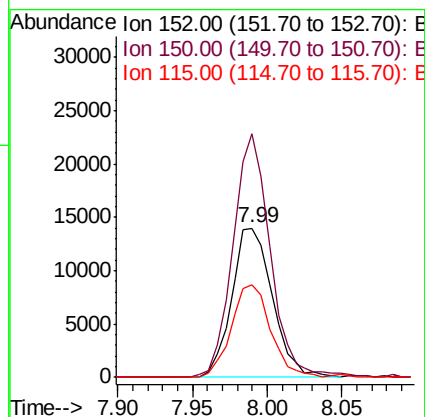
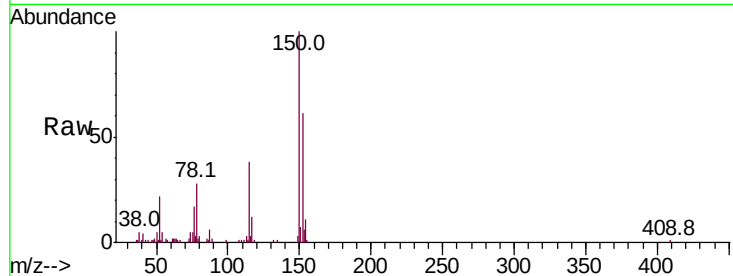


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043703.D
Acq: 19 Nov 2019 18:16

Instrument :
BNA_G
ClientSampleId :

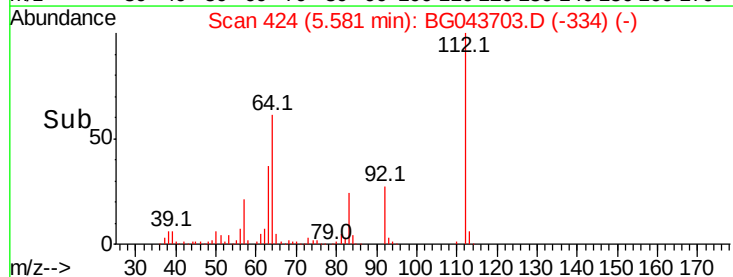
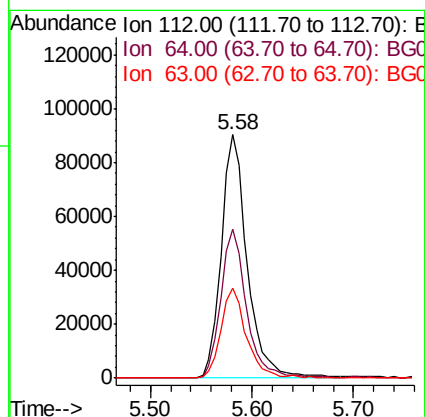
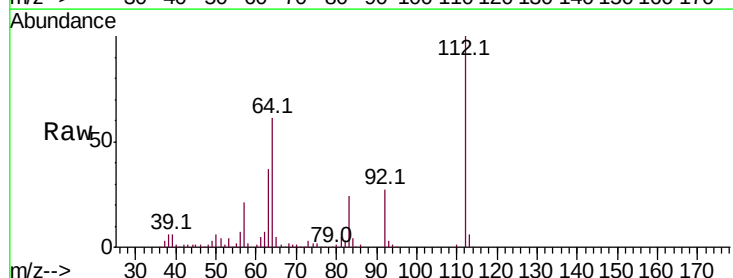
Tot Ion:152 Resp: 26574
Ion Ratio Lower Upper
152 100
150 163.3 116.6 175.0
115 62.1 40.5 60.7#

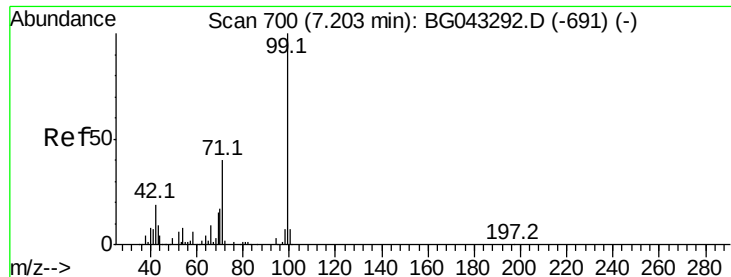


#5

2-Fluorophenol
Concen: 110.585 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043703.D
Acq: 19 Nov 2019 18:16

Tgt Ion:112 Resp: 160369
Ion Ratio Lower Upper
112 100
64 61.3 50.6 75.8
63 37.2 30.5 45.7





#7

Phenol-d6

Concen: 107.860 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043703.D

Acq: 19 Nov 2019 18:16

Instrument :

BNA_G

ClientSampleId :

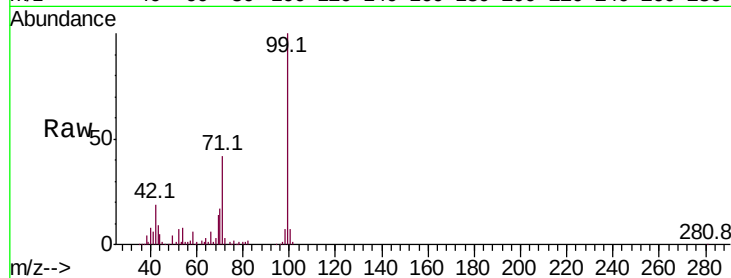
Tot Ion: 99 Resp: 225049

Ion Ratio Lower Upper

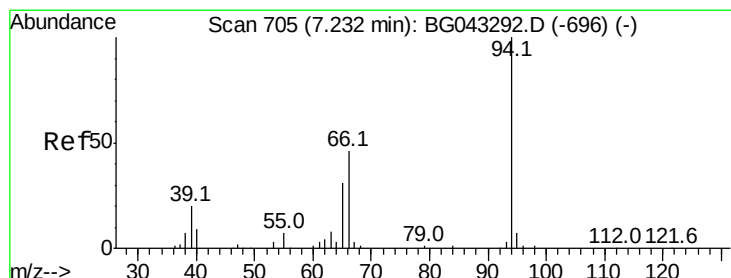
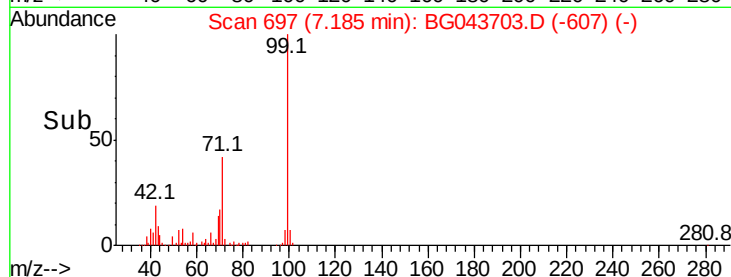
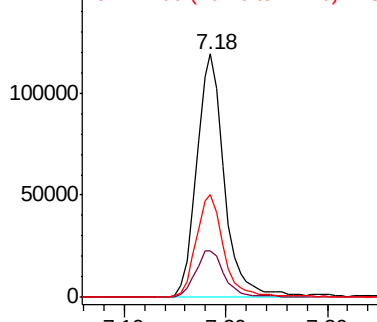
99 100

42 19.3 15.8 23.8

71 42.3 34.4 51.6



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



#10

Phenol

Concen: 5.414 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG043703.D

Acq: 19 Nov 2019 18:16

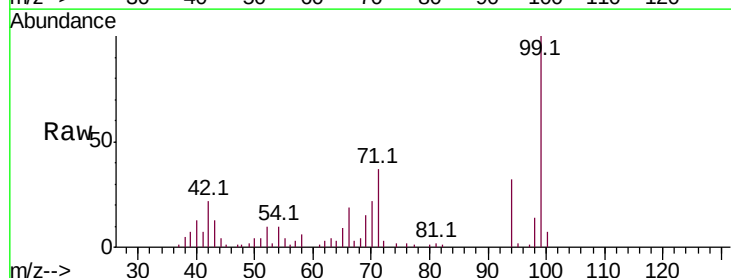
Tgt Ion: 94 Resp: 10322

Ion Ratio Lower Upper

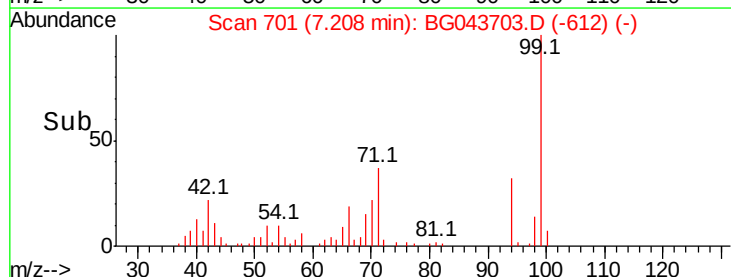
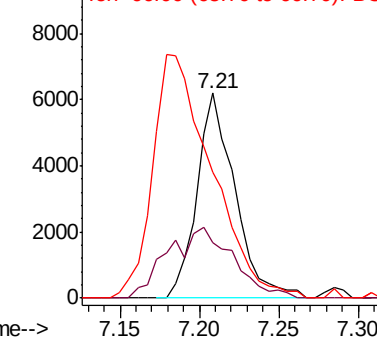
94 100

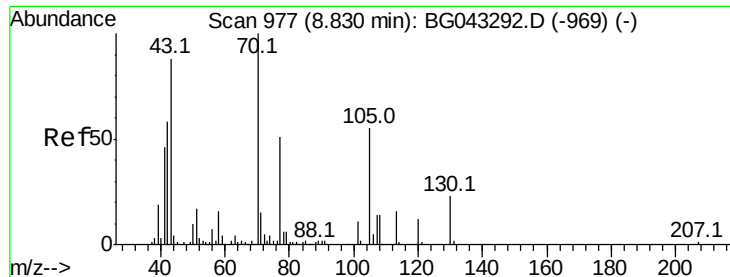
65 27.2 11.4 51.4

66 61.2 28.4 68.4



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

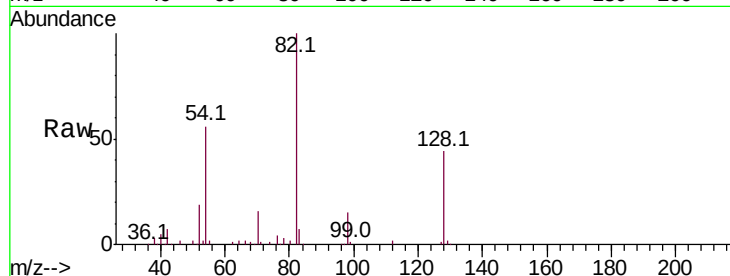




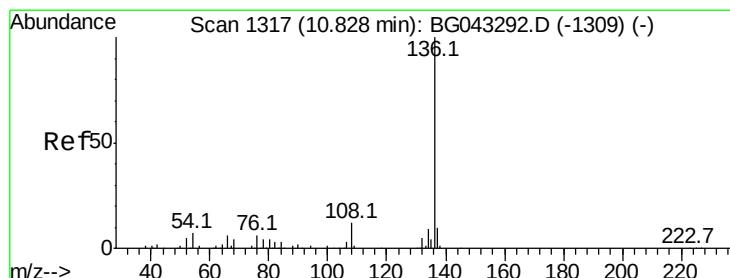
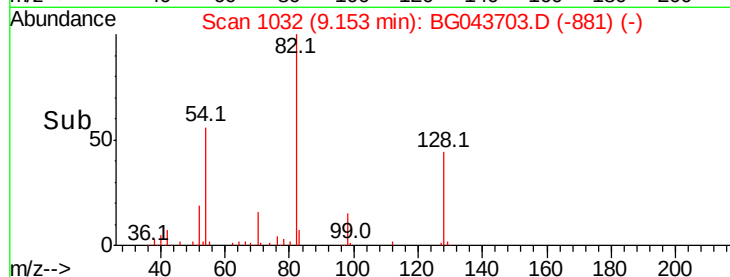
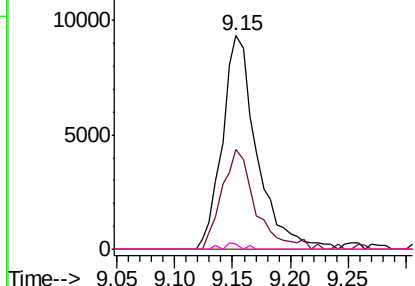
#19
n-Nitroso-di-n-propylamine
Concen: 14.376 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.36 min
Lab File: BG043703.D
Acq: 19 Nov 2019 18:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 19382
Ion Ratio Lower Upper
70 100
42 46.7 49.7 74.5#
101 0.0 9.7 14.5#
130 2.2 17.7 26.5#

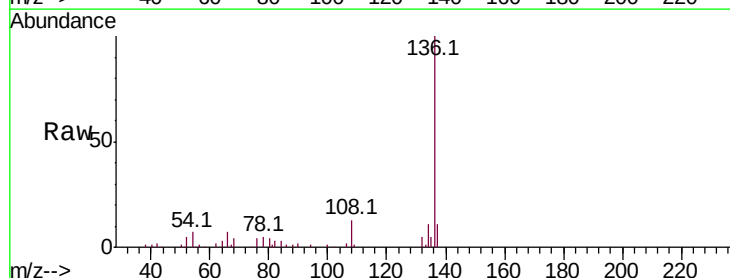


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

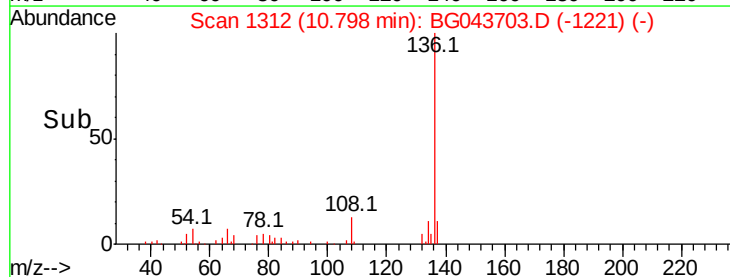
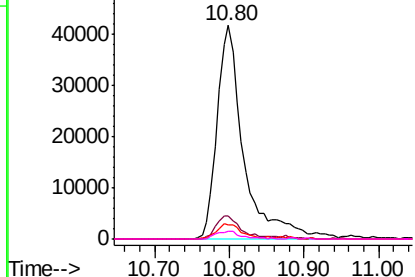


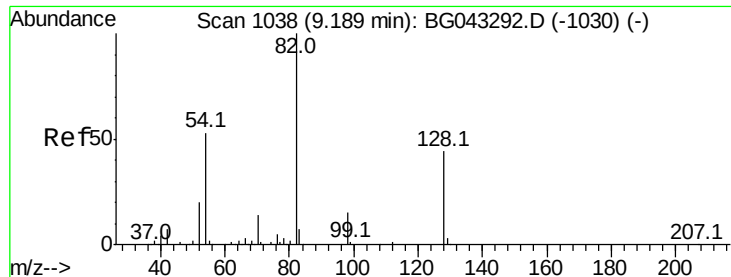
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BG043703.D
Acq: 19 Nov 2019 18:16

Tgt Ion: 136 Resp: 104244
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.5 6.2 9.2
68 3.7 3.4 5.0



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

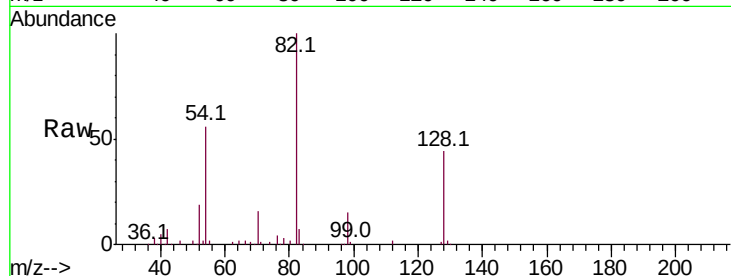




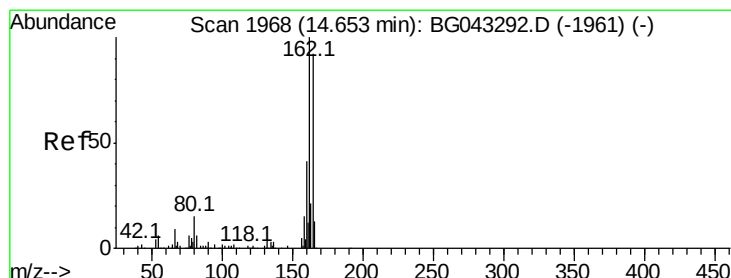
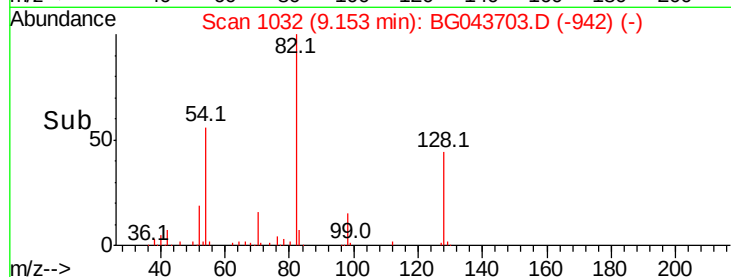
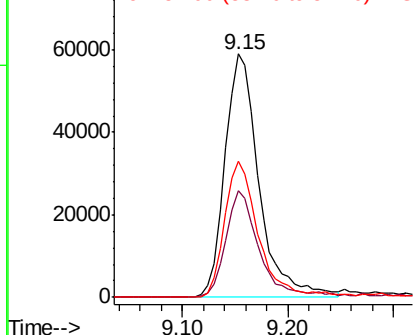
#23
 Nitrobenzene-d5
 Concen: 65.336 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BG043703.D
 Acq: 19 Nov 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 132110
 Ion Ratio Lower Upper
 82 100
 128 43.7 34.2 51.4
 54 56.0 44.7 67.1

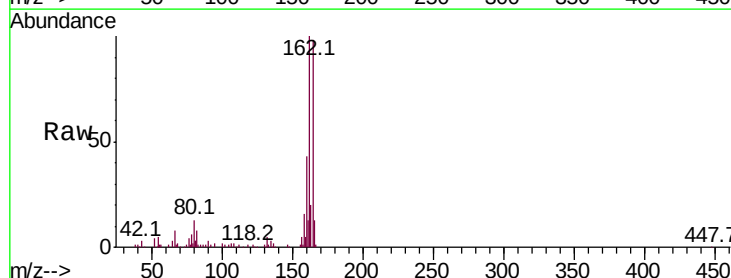


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

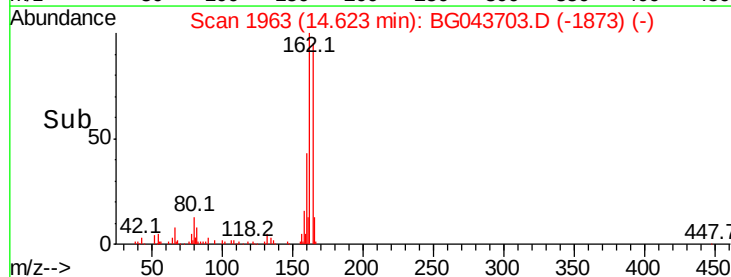
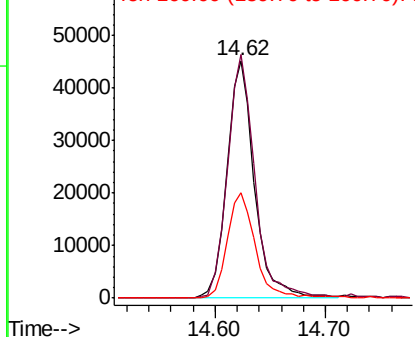


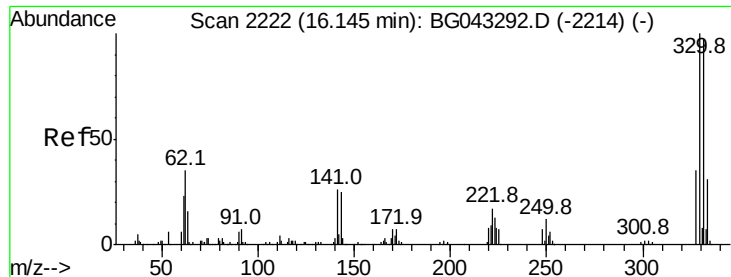
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: BG043703.D
 Acq: 19 Nov 2019 18:16

Tgt Ion:164 Resp: 78651
 Ion Ratio Lower Upper
 164 100
 162 102.5 79.4 119.2
 160 44.3 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

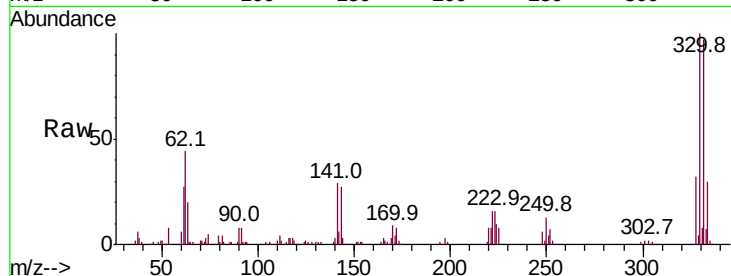




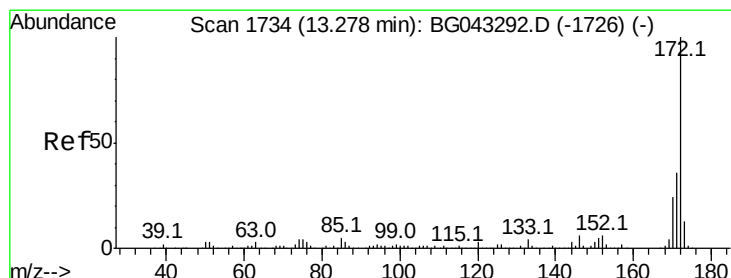
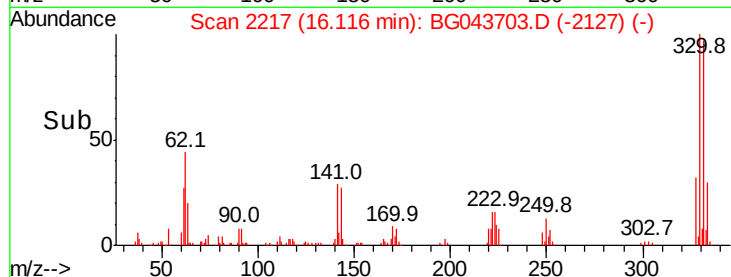
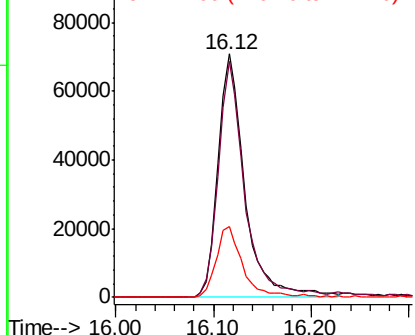
#42
 2,4,6-Tribromophenol
 Concen: 90.155 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: BG043703.D
 Acq: 19 Nov 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	28.5	23.4	35.2

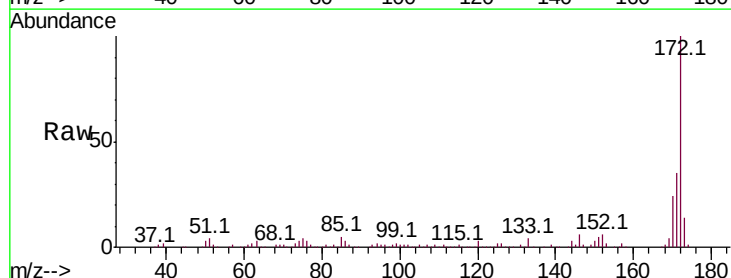


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

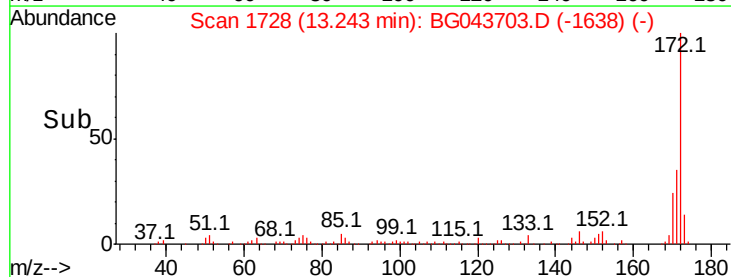
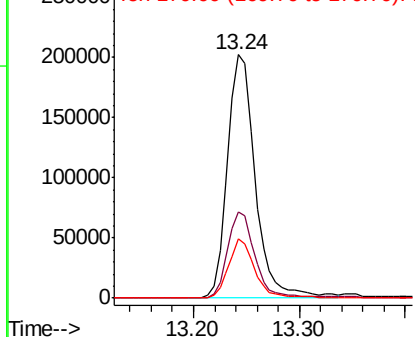


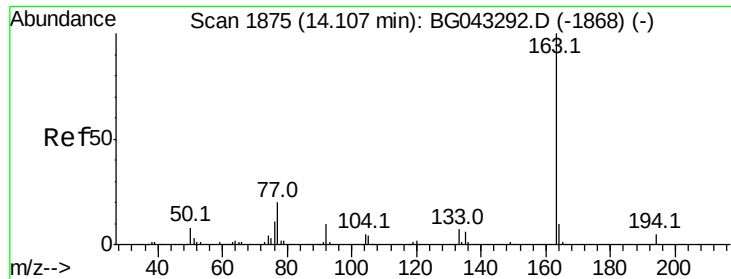
#45
 2-Fluorobiphenyl
 Concen: 65.017 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043703.D
 Acq: 19 Nov 2019 18:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	24.1	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

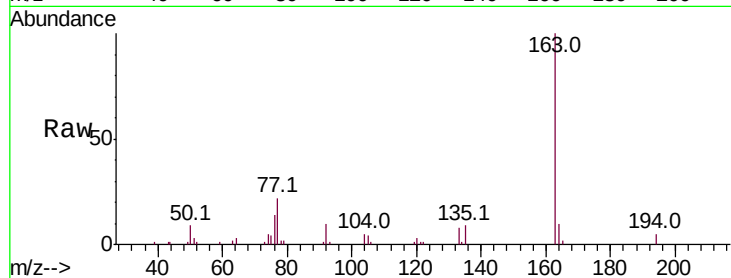




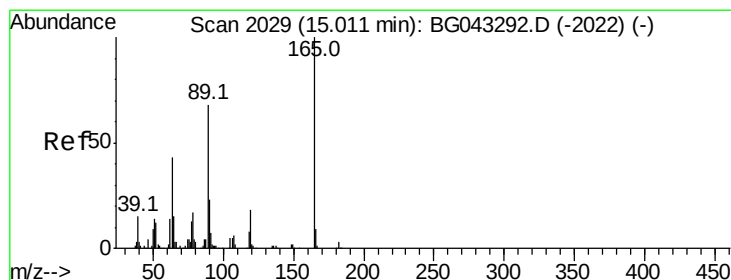
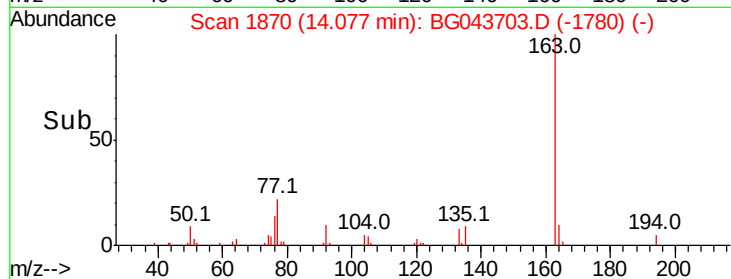
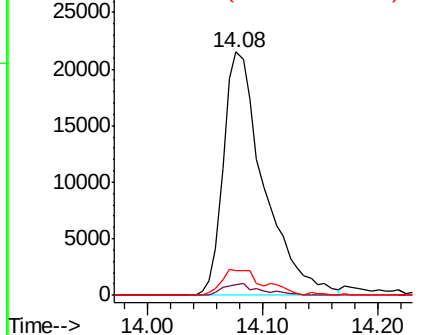
#50
Dimethylphthalate
Concen: 8.602 ng
RT: 14.08 min Scan# 1870
Delta R.T. -0.00 min
Lab File: BG043703.D
Acq: 19 Nov 2019 18:16

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 52405
Ion Ratio Lower Upper
163 100
194 4.5 3.8 5.8
164 10.3 8.5 12.7

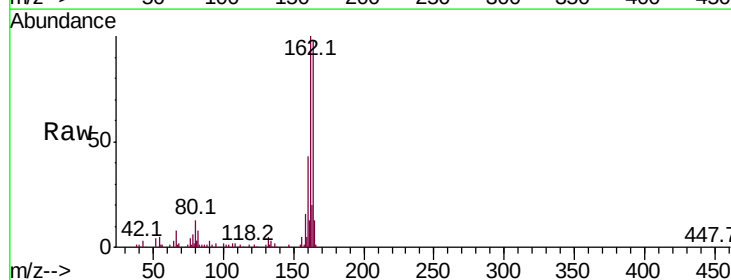


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

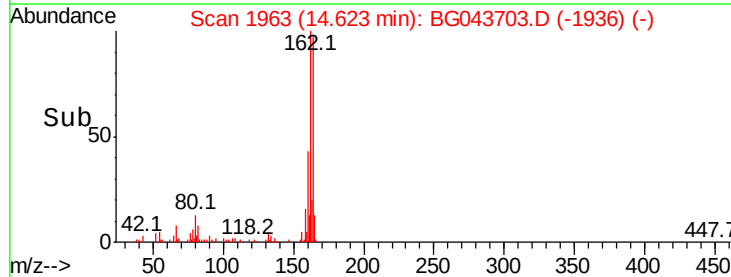
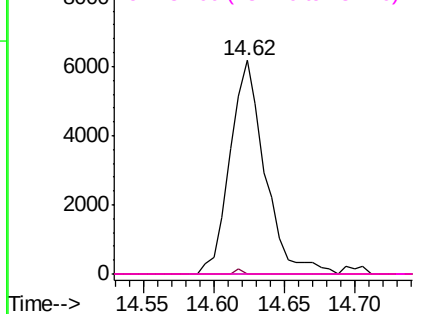


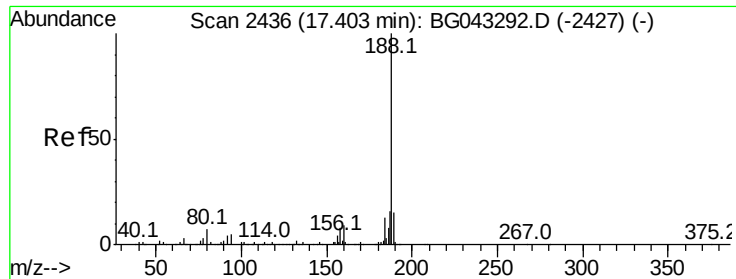
#57
2,4-Dinitrotoluene
Concen: 5.629 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.37 min
Lab File: BG043703.D
Acq: 19 Nov 2019 18:16

Tgt Ion:165 Resp: 10646
Ion Ratio Lower Upper
165 100
63 0.0 37.4 56.0#
89 0.0 50.9 76.3#
182 0.0 2.3 3.5#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BG043703.D

Acq: 19 Nov 2019 18:16

Instrument :

BNA_G

ClientSampleId :

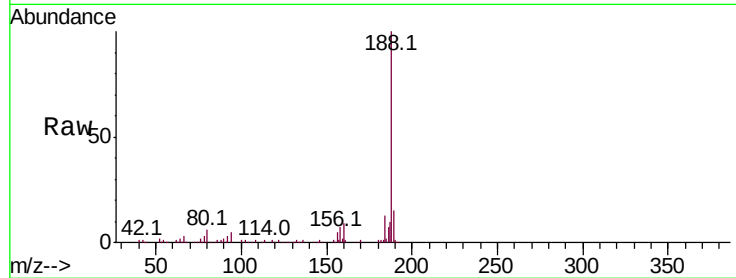
Tot Ion:188 Resp: 199325

Ion Ratio Lower Upper

188 100

94 5.4 4.6 7.0

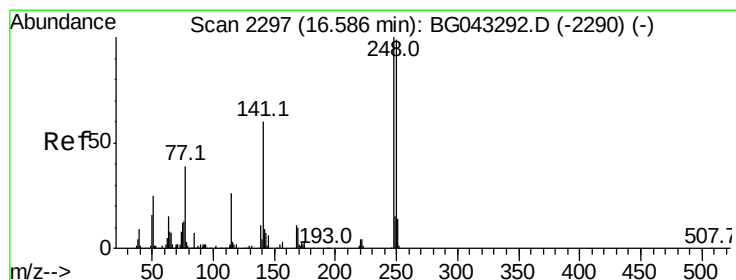
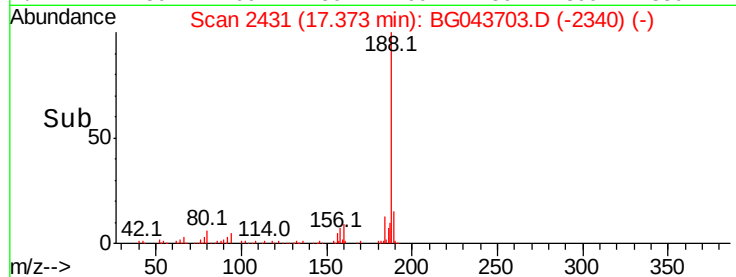
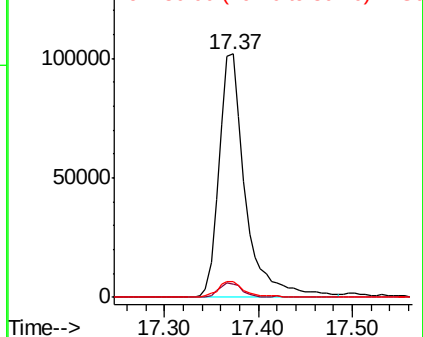
80 6.5 5.2 7.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.263 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.43 min

Lab File: BG043703.D

Acq: 19 Nov 2019 18:16

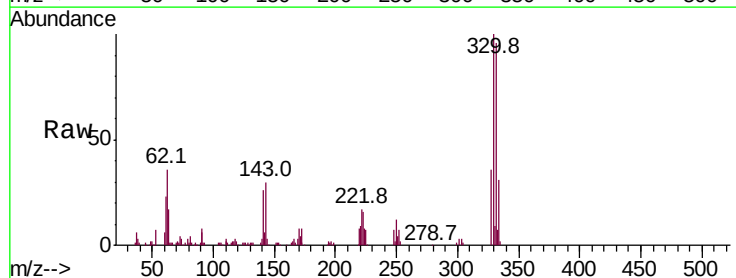
Tgt Ion:248 Resp: 8753

Ion Ratio Lower Upper

248 100

250 170.6 76.3 114.5#

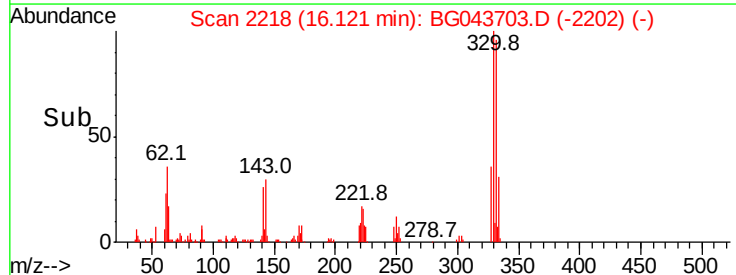
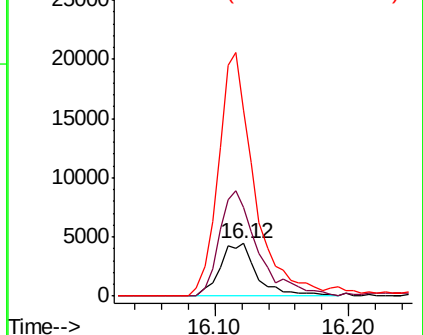
141 355.8 49.5 74.3#

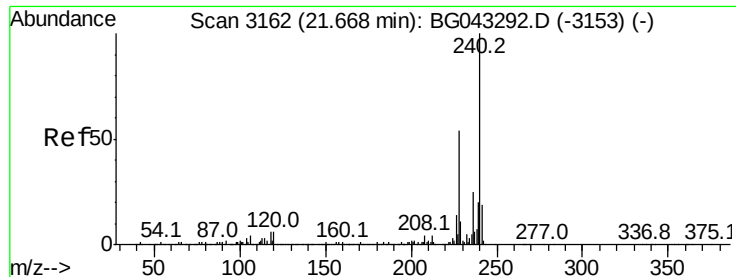


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG043703.D

Acq: 19 Nov 2019 18:16

Instrument :

BNA_G

ClientSampled :

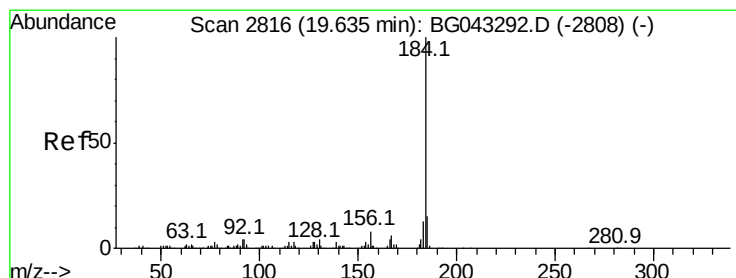
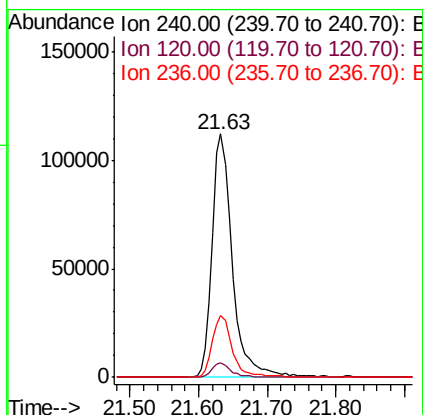
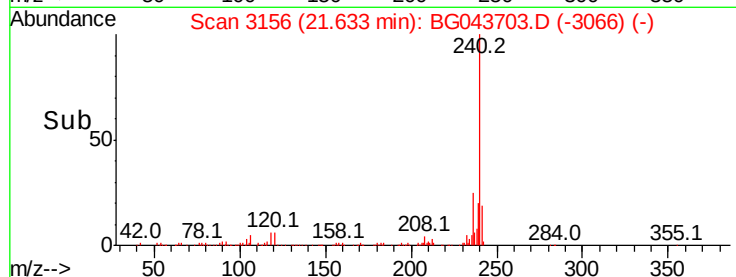
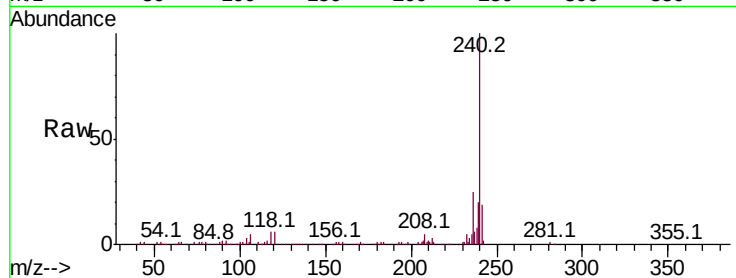
Tot Ion:240 Resp: 229789

Ion Ratio Lower Upper

240 100

120 6.2 4.9 7.3

236 25.4 21.4 32.0



#77

Benzidine

Concen: 2.791 ng

RT: 19.98 min Scan# 2874

Delta R.T. 0.36 min

Lab File: BG043703.D

Acq: 19 Nov 2019 18:16

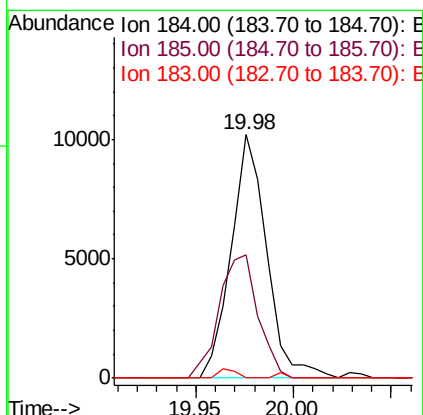
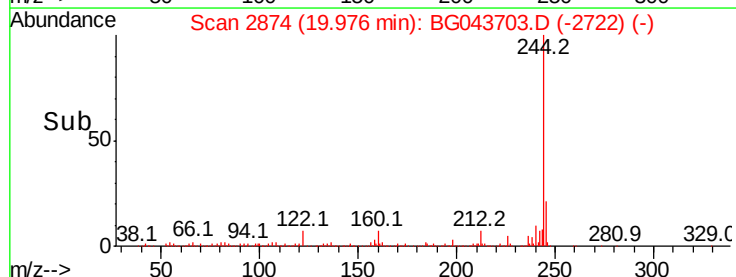
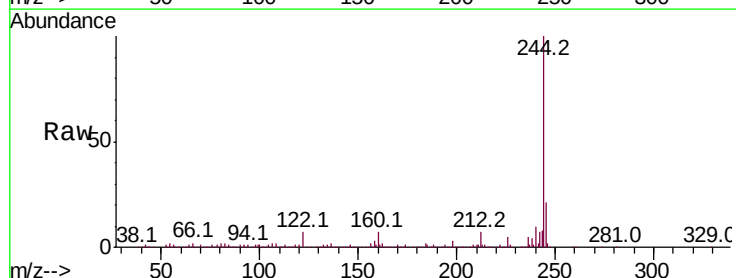
Tgt Ion:184 Resp: 12907

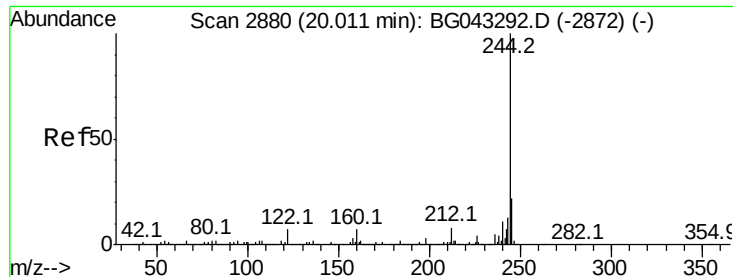
Ion Ratio Lower Upper

184 100

185 50.8 12.7 19.1#

183 0.0 8.8 13.2#

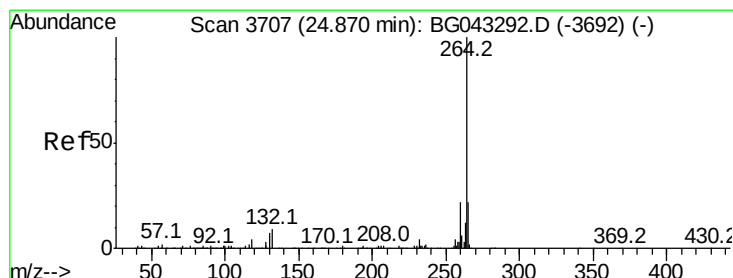
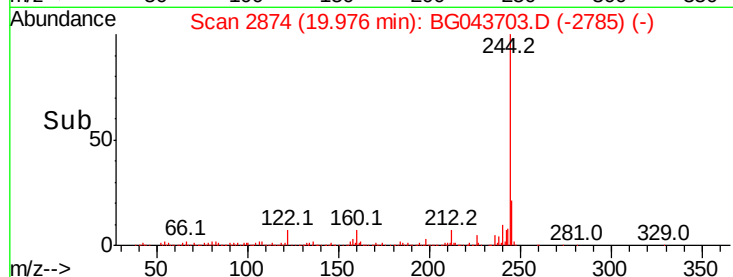
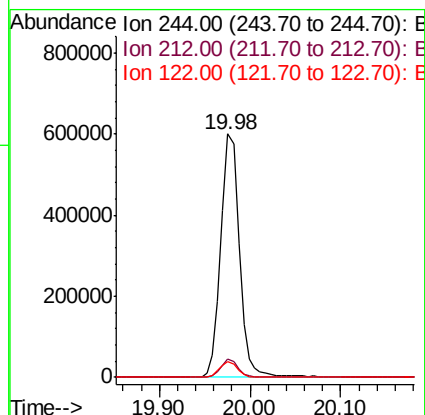
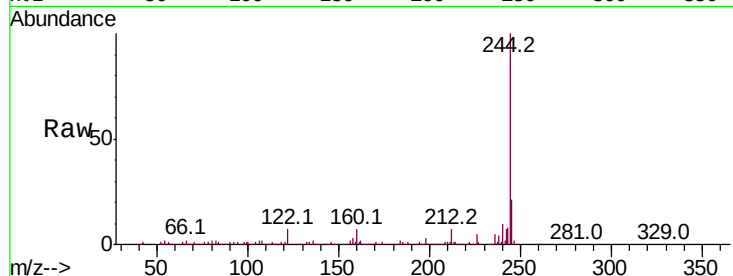




#79
 Terphenyl-d14
 Concen: 70.133 ng
 RT: 19.98 min Scan# 2874
 Delta R.T. -0.01 min
 Lab File: BG043703.D
 Acq: 19 Nov 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	6.6	5.2	7.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: BG043703.D
 Acq: 19 Nov 2019 18:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.3	15.8	23.8

