

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013019\
 Data File : BG039330.D
 Acq On : 30 Jan 2019 16:32
 Operator : JU/SJ
 Sample : K1277-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 17:19:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	42268	20.00	ng	0.00
21) Naphthalene-d8	11.01	136	177931	20.00	ng	0.00
39) Acenaphthene-d10	14.81	164	118574	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	278372	20.00	ng	0.00
76) Chrysene-d12	21.84	240	301283	20.00	ng	0.00
87) Perylene-d12	25.23	264	317199	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.72	112	147161	59.59	ng	0.00
7) Phenol-d6	7.31	99	130347	35.86	ng	0.00
23) Nitrobenzene-d5	9.36	82	291240	102.25	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	178746	139.99	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	716294	86.66	ng	0.00
79) Terphenyl-d14	20.15	244	1035477	72.75	ng	0.00

Target Compounds

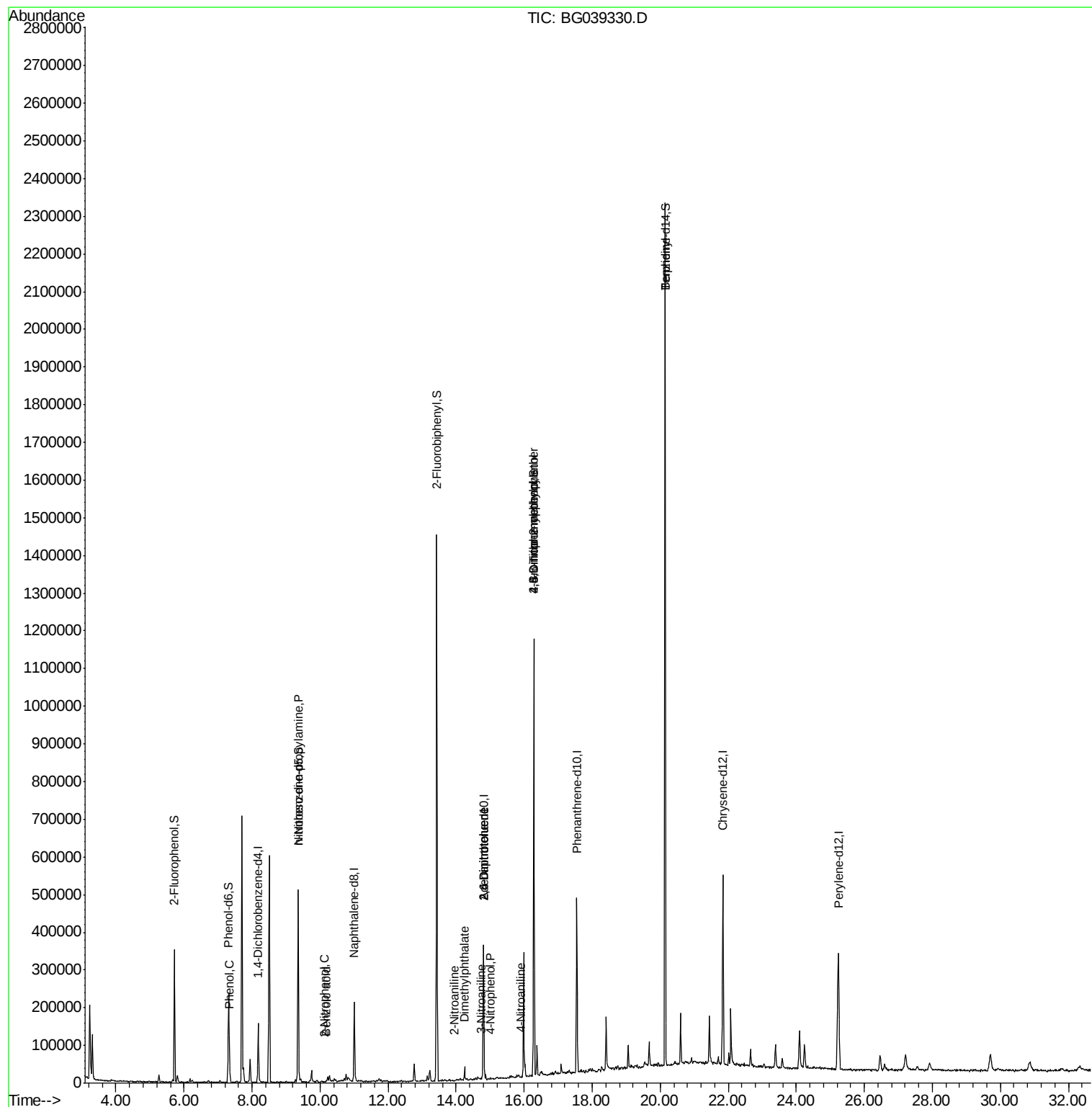
						Qvalue
9) Benzaldehyde	7.33	77	729	Below Cal	#	30
10) Phenol	7.34	94	25618	6.760	ng	94
19) n-Nitroso-di-n-propylamine	9.36	70	38787	15.033	ng	78
26) 2-Nitrophenol	10.11	139	57	4.061	ng	31
32) Benzoic acid	10.18	122	449	9.239	ng	19
48) 2-Nitroaniline	13.95	65	222	8.382	ng	10
50) Dimethylphthalate	14.25	163	21118	2.205	ng	98
51) 2,6-Dinitrotoluene	14.81	165	14832	13.714	ng	25
53) 3-Nitroaniline	14.72	138	57	5.819	ng	1
56) 4-Nitrophenol	14.99	139	82	5.838	ng	70
57) 2,4-Dinitrotoluene	14.81	165	14832	13.240	ng	20
62) 4-Nitroaniline	15.89	138	54	4.227	ng	51
65) 4,6-Dinitro-2-methylphenol	16.29	198	840	5.142	ng	1
67) 4-Bromophenyl-phenylether	16.29	248	13621	4.411	ng	1
77) Benzidine	20.14	184	20082	2.033	ng	92

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

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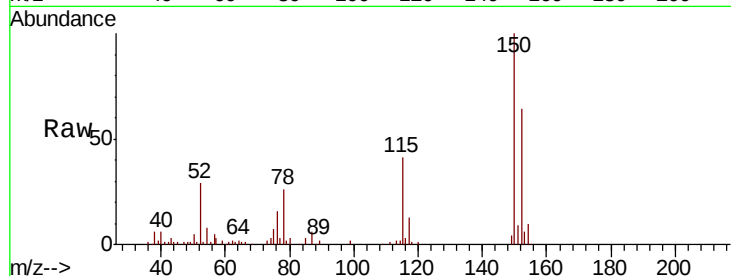


#1

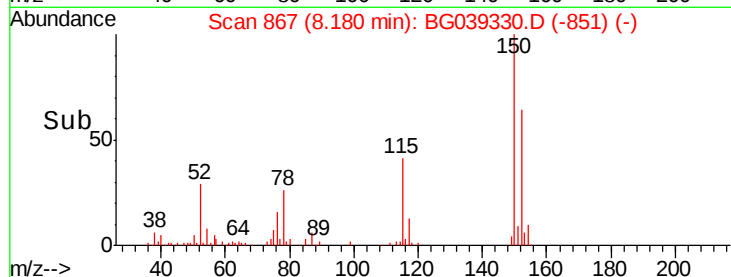
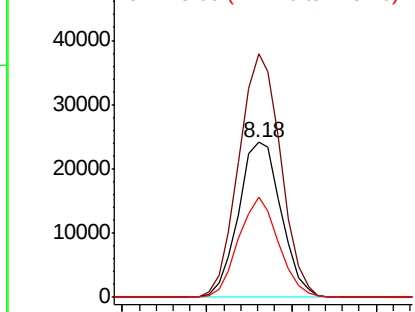
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 42268
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 64.8 45.9 68.9



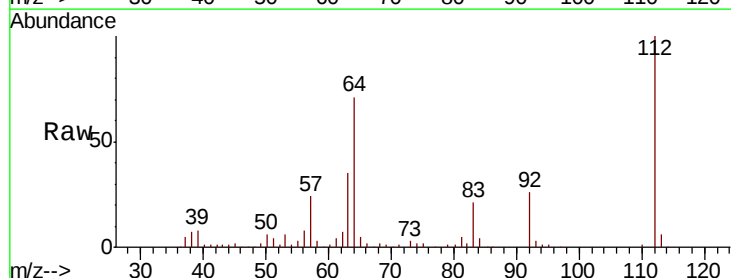
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



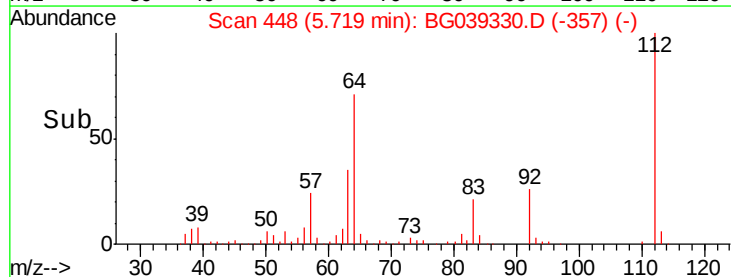
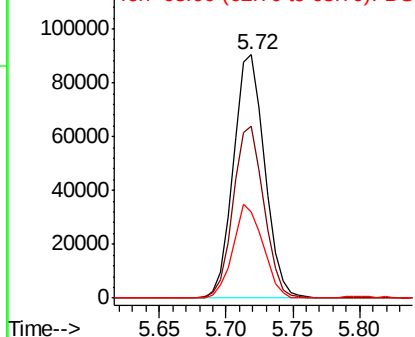
#5

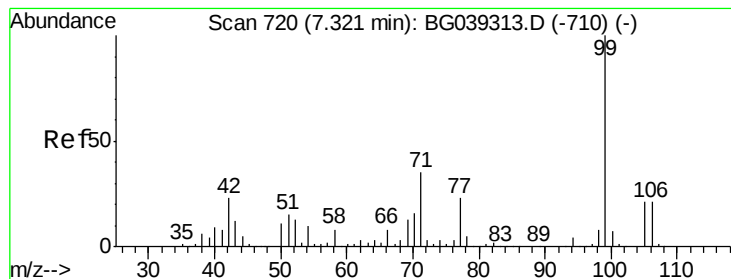
2-Fluorophenol
Concen: 59.588 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Tgt Ion:112 Resp: 147161
Ion Ratio Lower Upper
112 100
64 70.7 57.8 86.8
63 35.4 29.8 44.6



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





#7

Phenol-d6

Concen: 35.857 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039330.D

Acq: 30 Jan 2019 16:32

Instrument :

BNA_G

ClientSampleId :

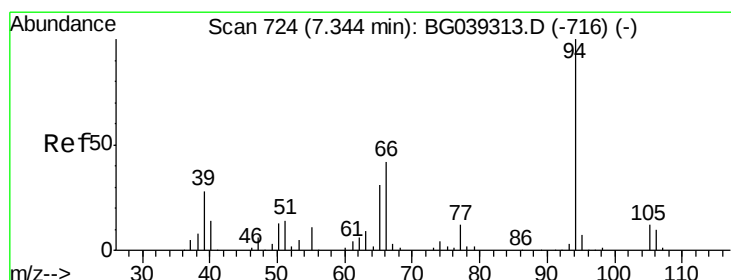
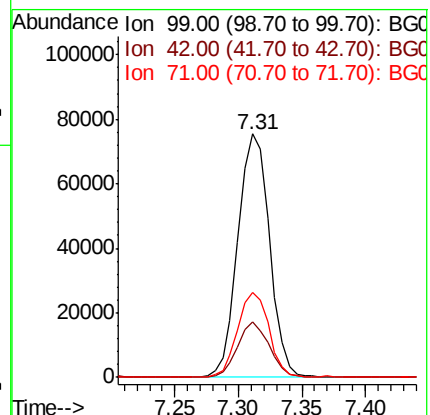
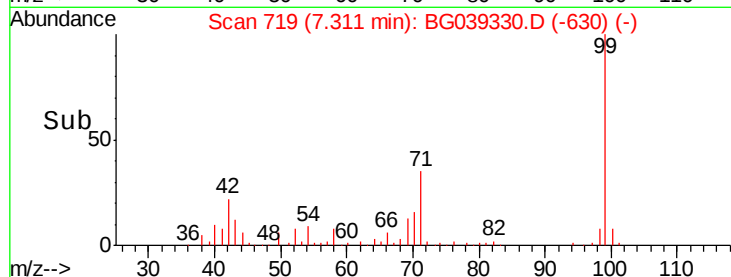
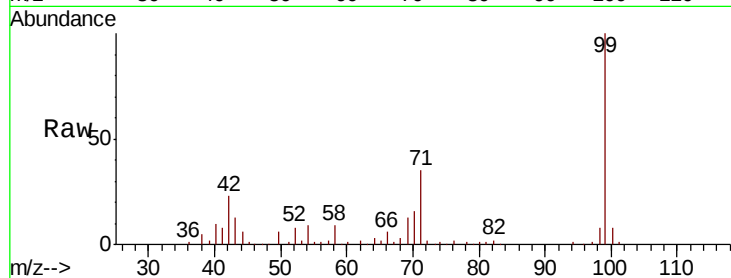
Tot Ion: 99 Resp: 130347

Ion Ratio Lower Upper

99 100

42 22.6 18.2 27.2

71 35.0 28.0 42.0



#10

Phenol

Concen: 6.760 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039330.D

Acq: 30 Jan 2019 16:32

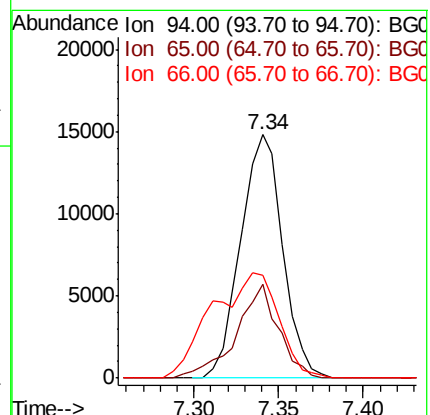
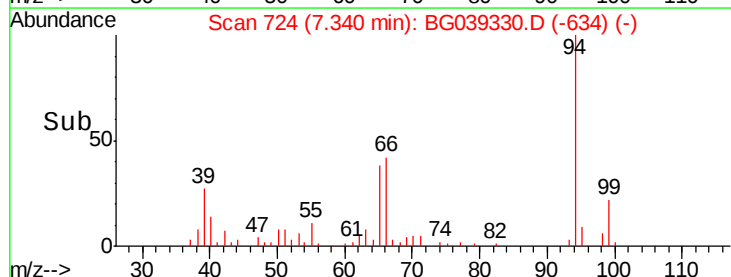
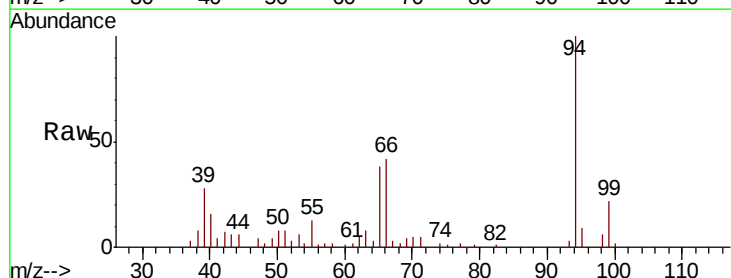
Tgt Ion: 94 Resp: 25618

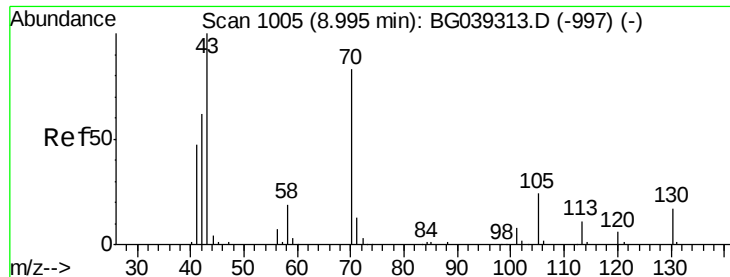
Ion Ratio Lower Upper

94 100

65 38.3 11.7 51.7

66 42.1 23.7 63.7

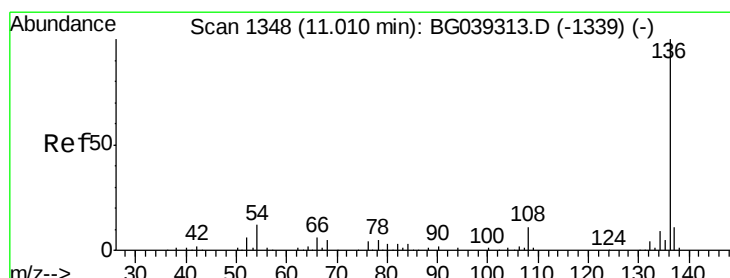
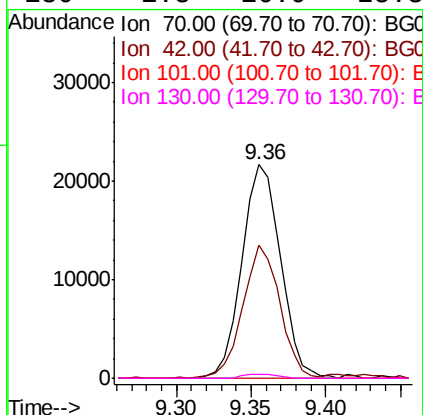
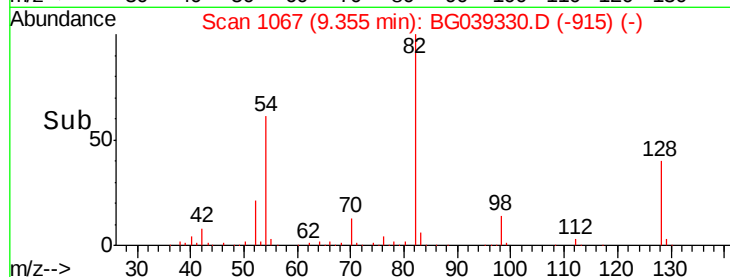
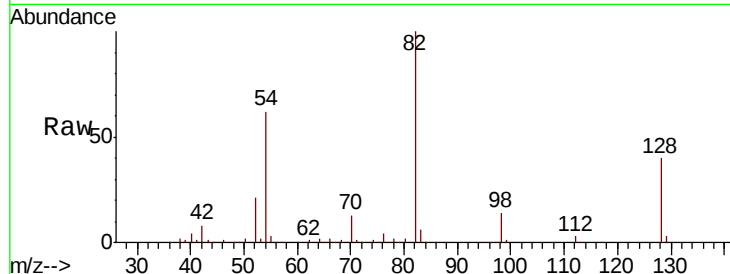




#19
n-Nitroso-di-n-propylamine
Concen: 15.033 ng
RT: 9.36 min Scan# 1067
Delta R.T. 0.36 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

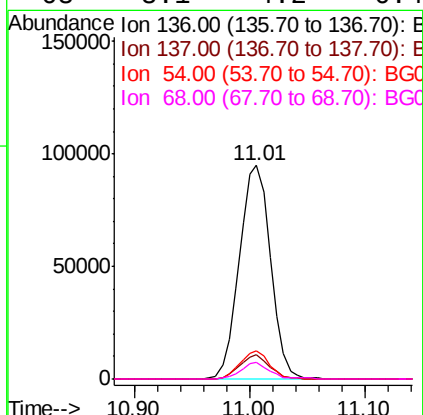
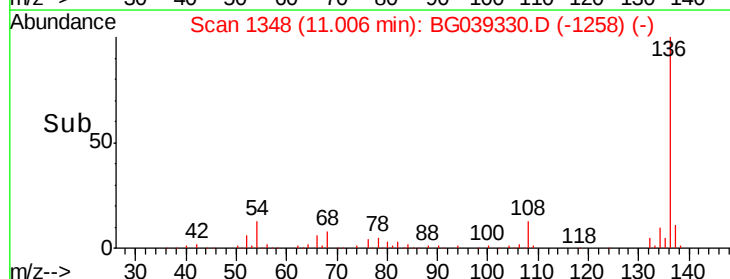
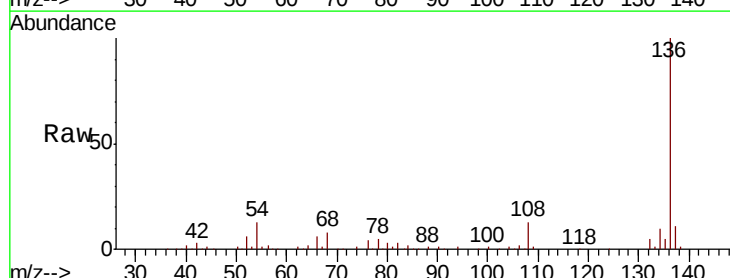
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 38787
Ion Ratio Lower Upper
70 100
42 62.1 60.4 90.6
101 0.0 7.5 11.3#
130 1.8 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.01 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Tgt Ion:136 Resp: 177931
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 13.3 9.4 14.2
68 8.1 4.2 6.4#

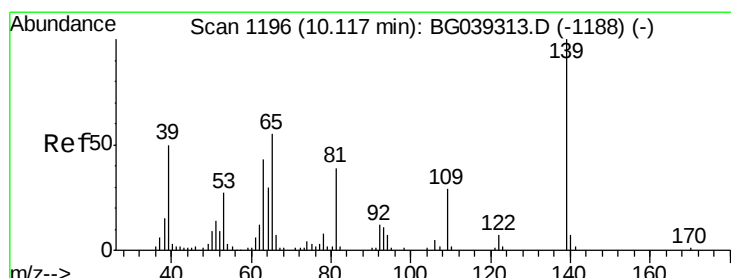
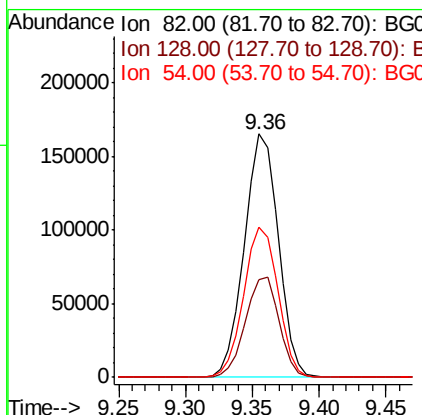
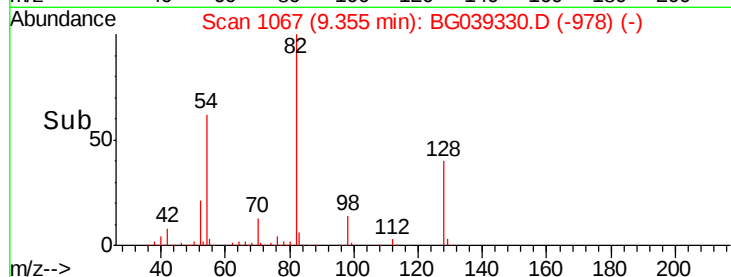
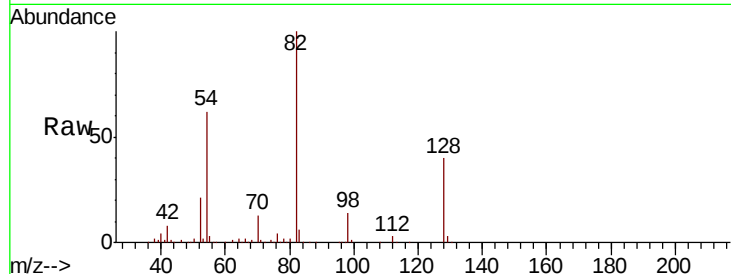




#23
Nitrobenzene-d5
Concen: 102.254 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

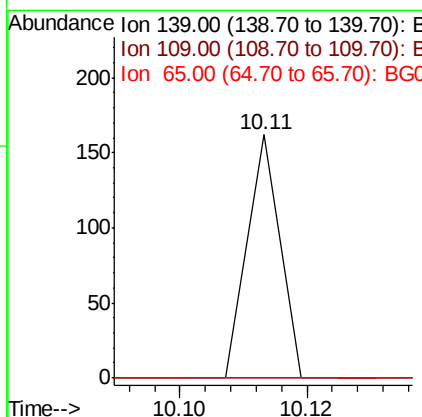
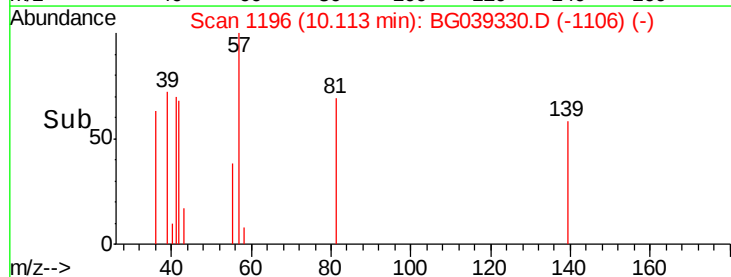
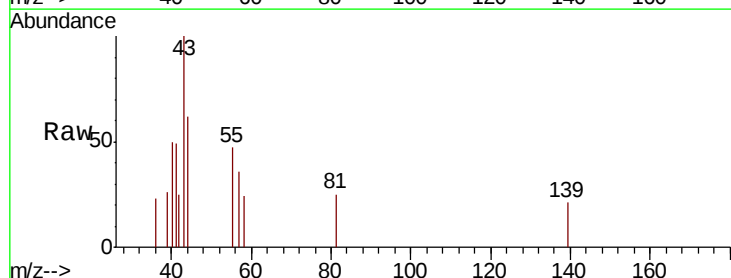
Instrument :
BNA_G
ClientSampleId :

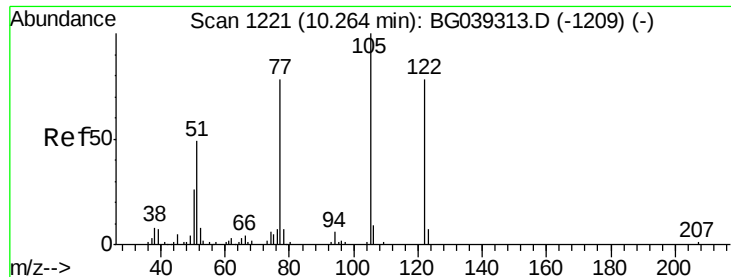
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.3	31.3	46.9
54	61.6	50.9	76.3



#26
2-Nitrophenol
Concen: 4.061 ng
RT: 10.11 min Scan# 1196
Delta R.T. -0.00 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#

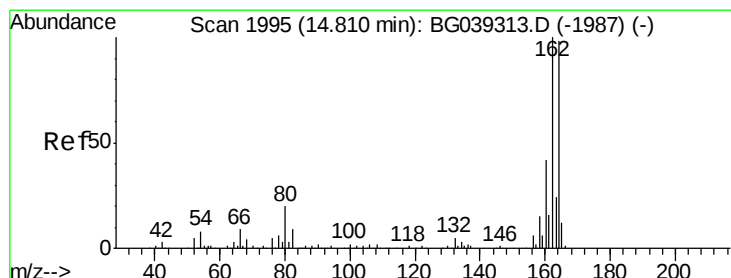
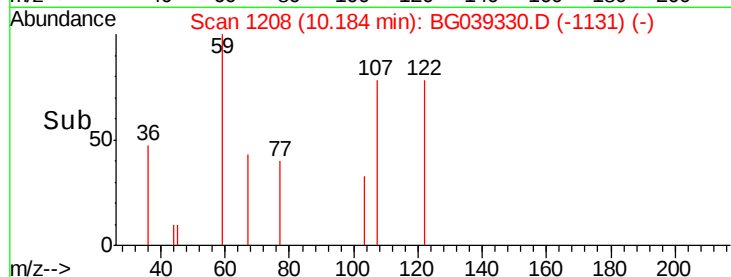
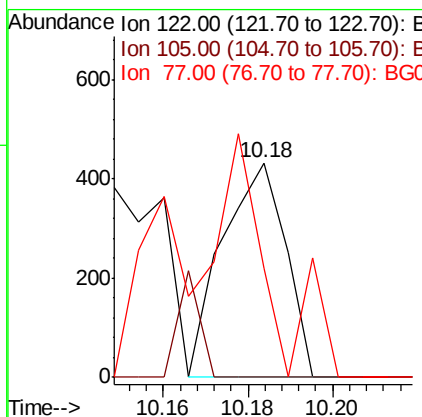
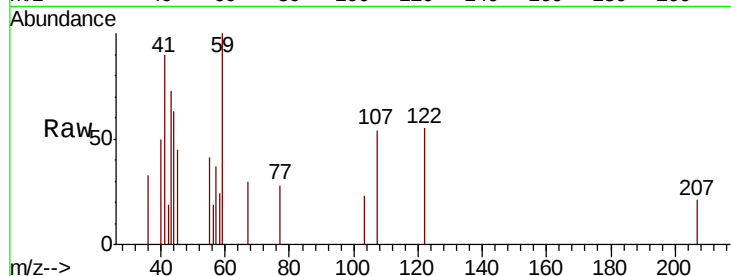




#32
Benzoic acid
Concen: 9.239 ng
RT: 10.18 min Scan# 1208
Delta R.T. -0.08 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

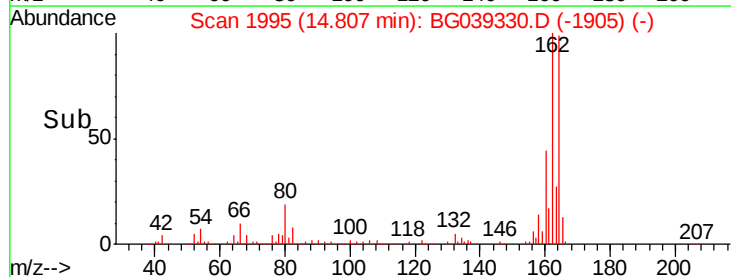
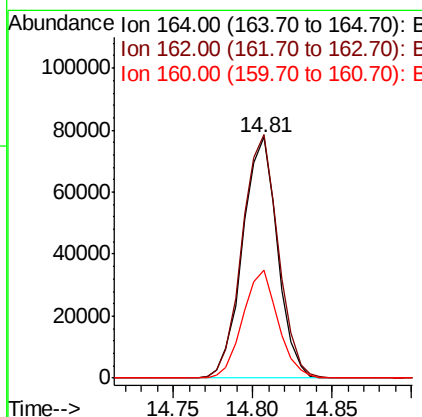
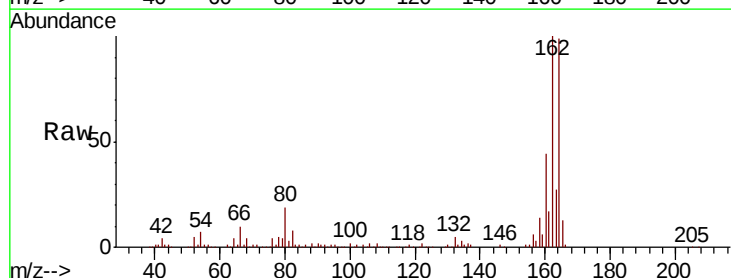
Instrument :
BNA_G
ClientSampleId :

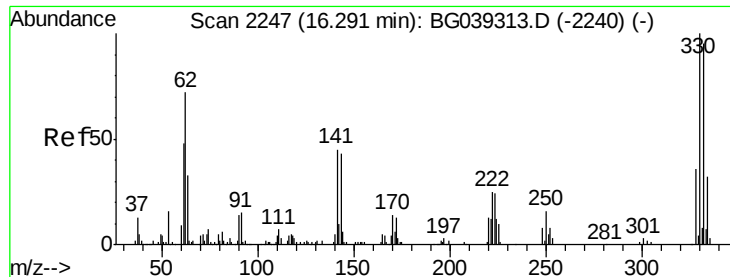
Tot Ion:122 Resp: 449
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 50.7 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Tgt Ion:164 Resp: 118574
Ion Ratio Lower Upper
164 100
162 101.1 81.6 122.4
160 44.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 139.991 ng

RT: 16.29 min Scan# 2247

Delta R.T. -0.00 min

Lab File: BG039330.D

Acq: 30 Jan 2019 16:32

Instrument :

BNA_G

ClientSampleId :

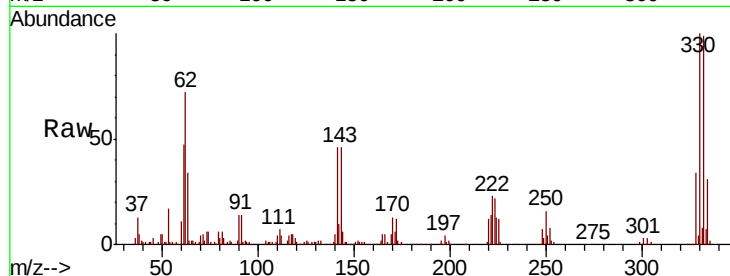
Tot Ion:330 Resp: 178746

Ion Ratio Lower Upper

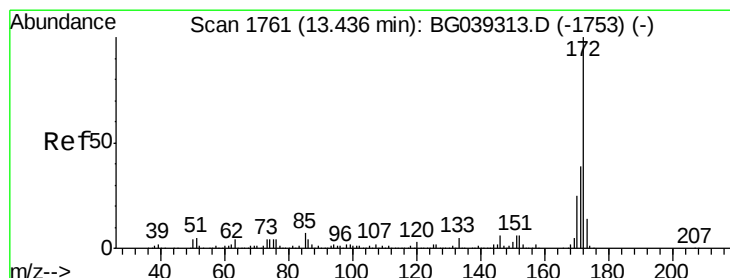
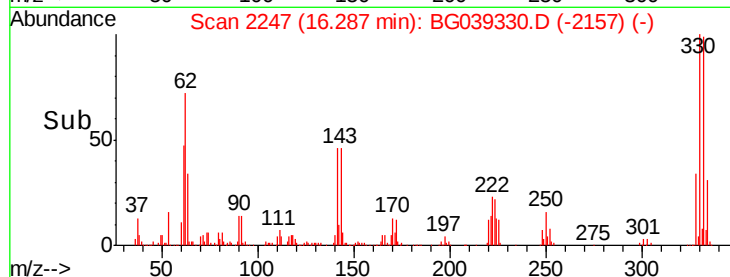
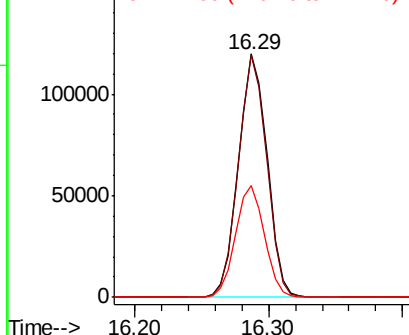
330 100

332 98.1 75.7 113.5

141 46.4 35.6 53.4



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: 86.660 ng

RT: 13.43 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BG039330.D

Acq: 30 Jan 2019 16:32

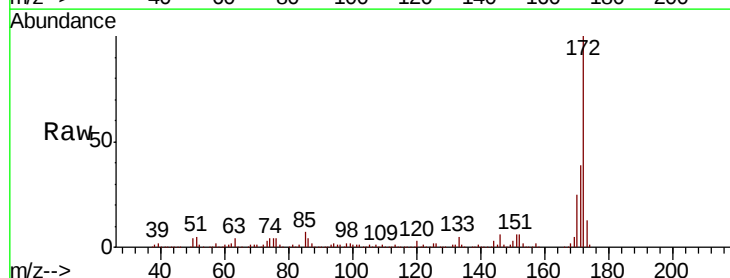
Tgt Ion:172 Resp: 716294

Ion Ratio Lower Upper

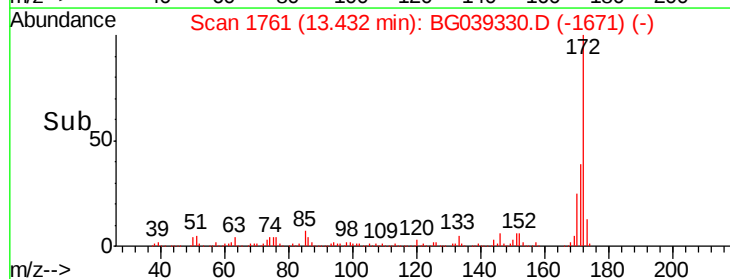
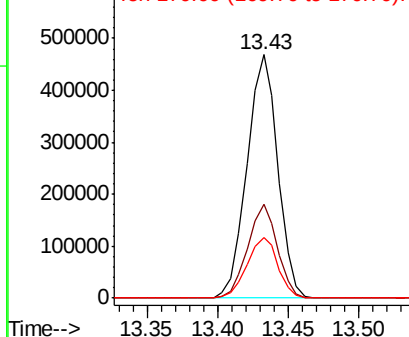
172 100

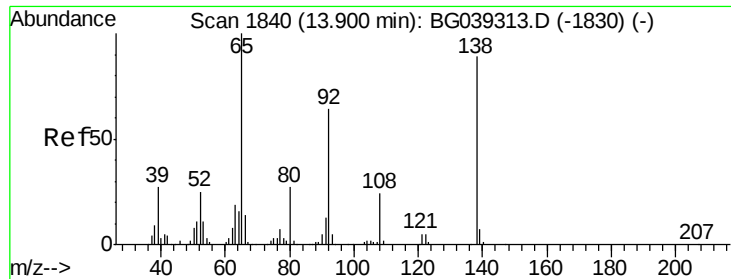
171 38.5 30.8 46.2

170 24.8 20.2 30.4



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





#48

2-Nitroaniline

Concen: 8.382 ng

RT: 13.95 min Scan# 1849

Delta R.T. 0.05 min

Lab File: BG039330.D

Acq: 30 Jan 2019 16:32

Instrument :

BNA_G

ClientSampled :

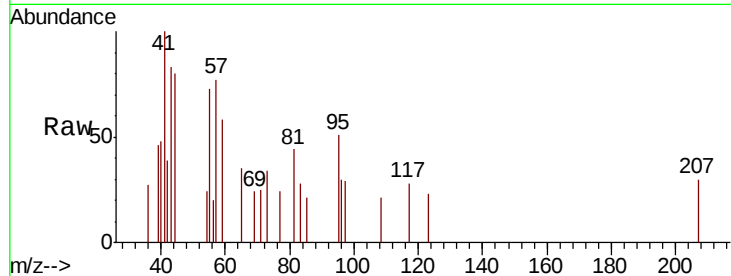
Tot Ion: 65 Resp: 222

Ion Ratio Lower Upper

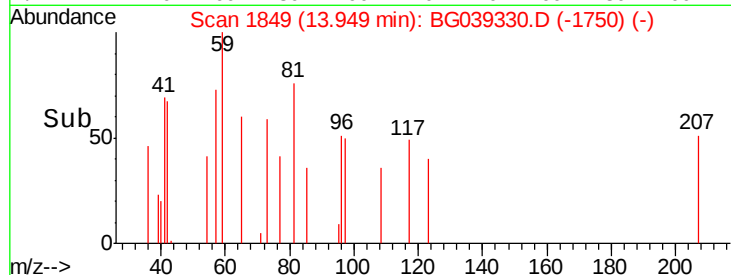
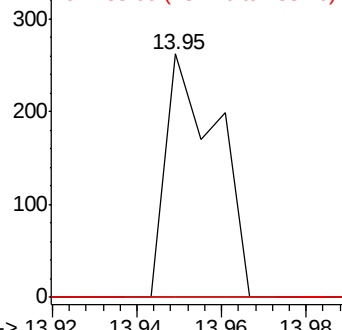
65 100

92 0.0 51.4 77.2#

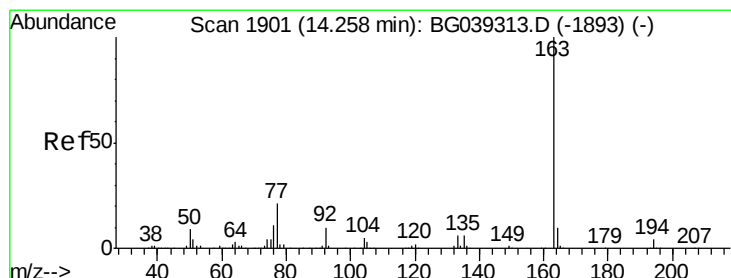
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



Time--> 13.92 13.94 13.96 13.98



#50

Dimethylphthalate

Concen: 2.205 ng

RT: 14.25 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BG039330.D

Acq: 30 Jan 2019 16:32

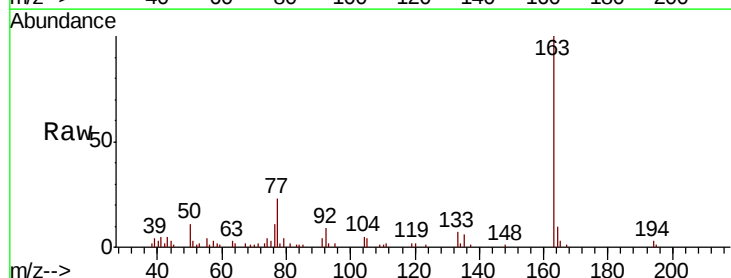
Tgt Ion: 163 Resp: 21118

Ion Ratio Lower Upper

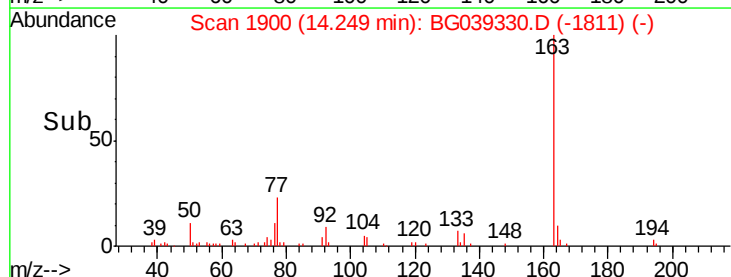
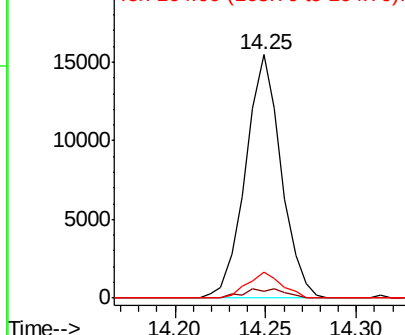
163 100

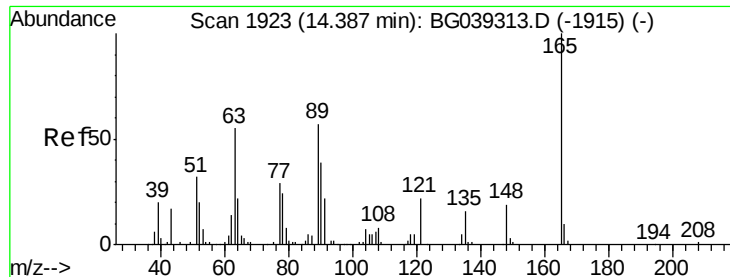
194 2.6 3.6 5.4#

164 10.4 8.4 12.6



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

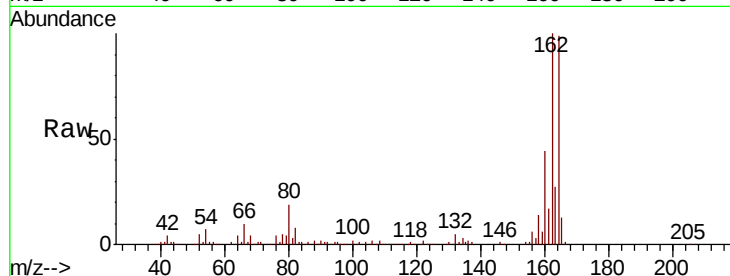




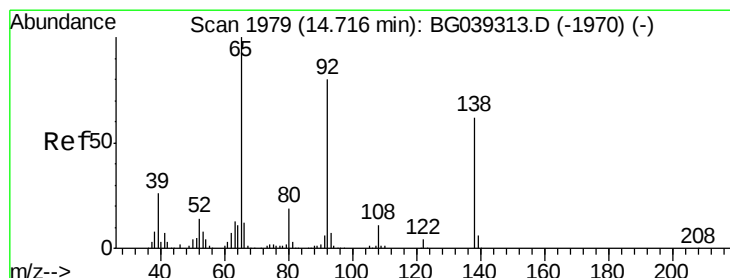
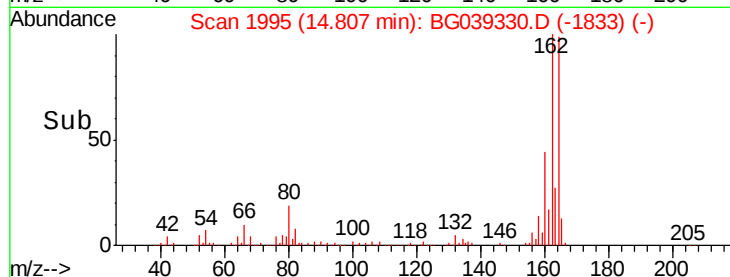
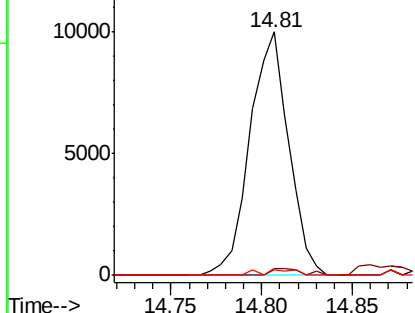
#51
 2,6-Dinitrotoluene
 Concen: 13.714 ng
 RT: 14.81 min Scan# 1995
 Delta R.T. 0.42 min
 Lab File: BG039330.D
 Acq: 30 Jan 2019 16:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	47.0	70.6#
89	2.5	45.8	68.8#

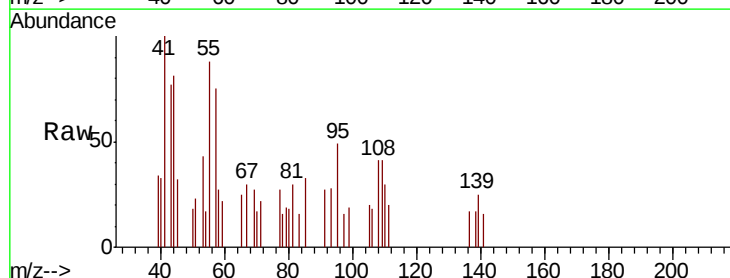


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

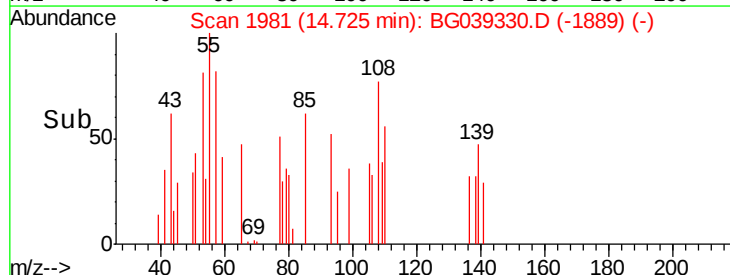
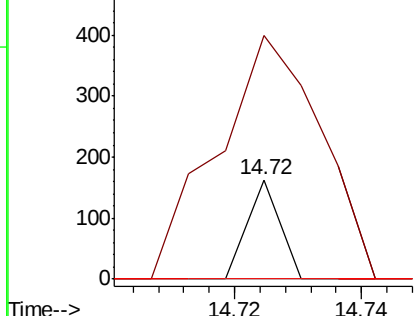


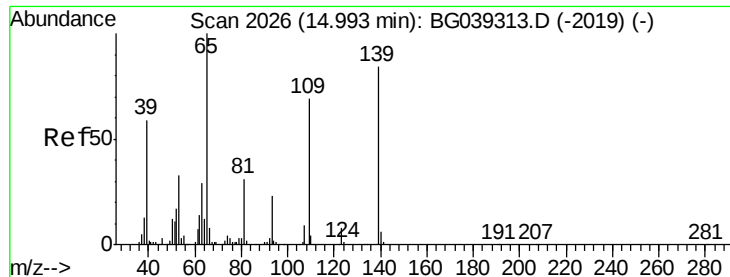
#53
 3-Nitroaniline
 Concen: 5.819 ng
 RT: 14.72 min Scan# 1981
 Delta R.T. 0.01 min
 Lab File: BG039330.D
 Acq: 30 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
138	100		
108	244.8	13.8	20.8#
92	0.0	103.7	155.5#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGO

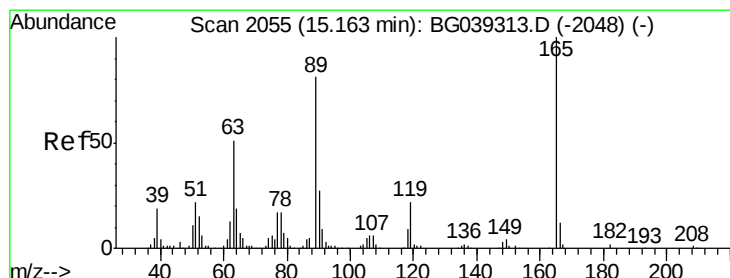
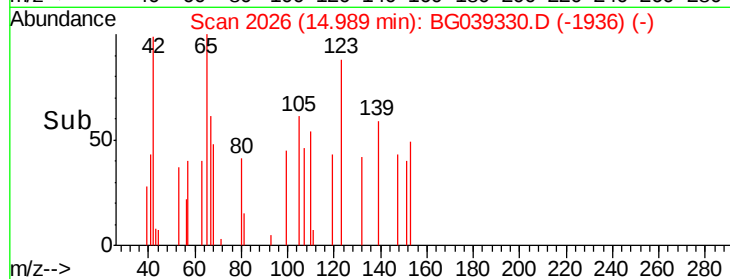
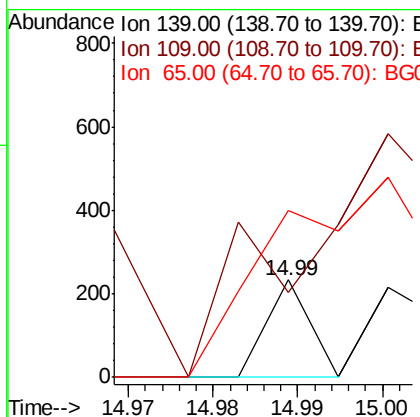
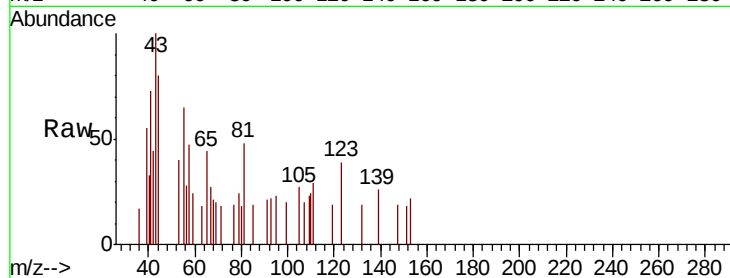




#56
4-Nitrophenol
Concen: 5.838 ng
RT: 14.99 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

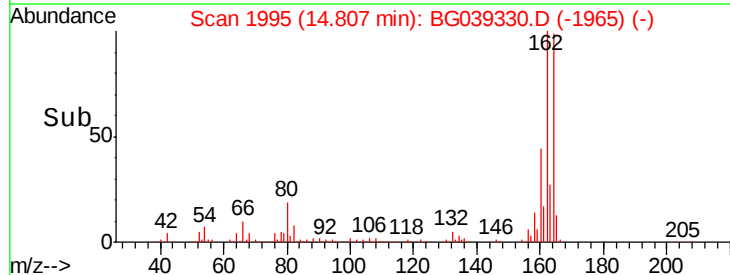
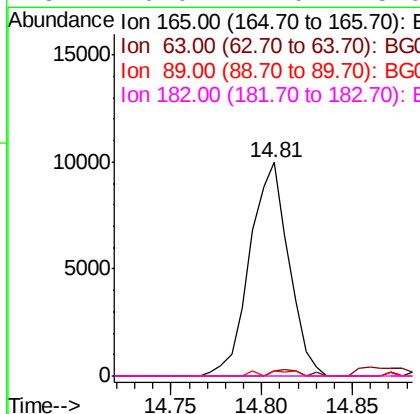
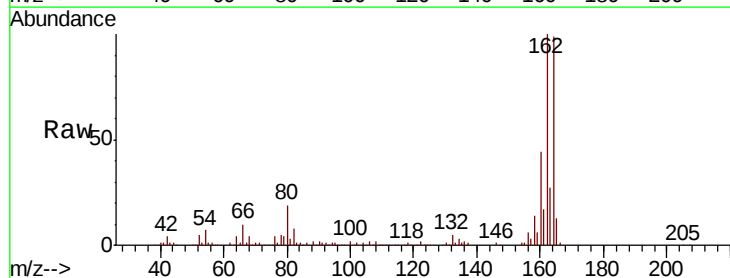
Instrument :
BNA_G
ClientSampled :

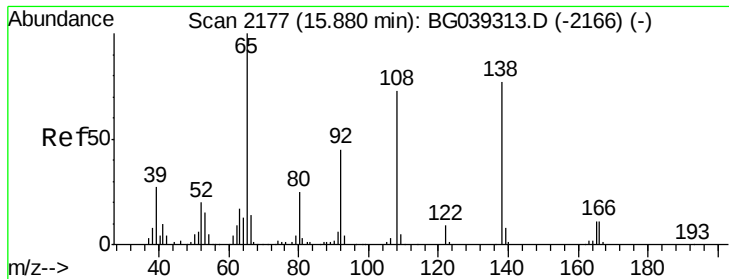
Tot Ion:139 Resp: 82
Ion Ratio Lower Upper
139 100
109 87.6 61.9 101.9
65 170.5 99.1 139.1#



#57
2,4-Dinitrotoluene
Concen: 13.240 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.36 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Tgt Ion:165 Resp: 14832
Ion Ratio Lower Upper
165 100
63 2.6 41.0 61.6#
89 2.5 64.6 96.8#
182 0.0 2.0 3.0#





#62

4-Nitroaniline

Concen: 4.227 ng

RT: 15.89 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BG039330.D

Acq: 30 Jan 2019 16:32

Instrument :

BNA_G

ClientSampled :

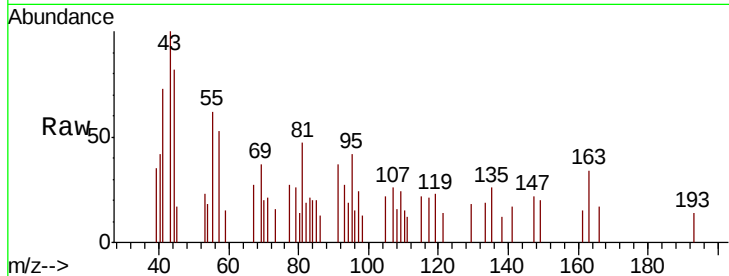
Tot Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

108 125.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

250

200

150

100

50

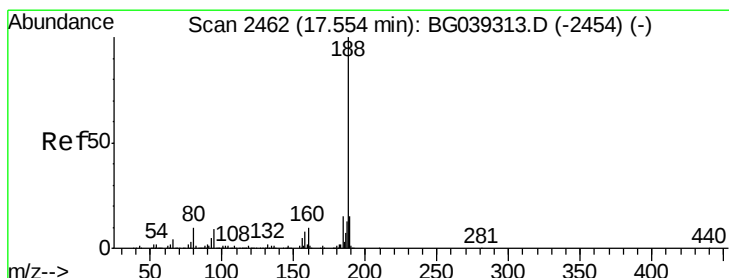
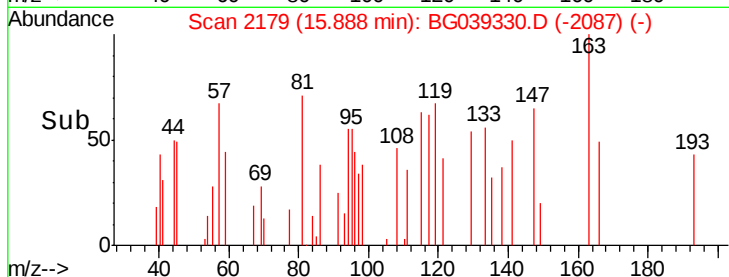
0

15.88

15.89

15.90

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.55 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BG039330.D

Acq: 30 Jan 2019 16:32

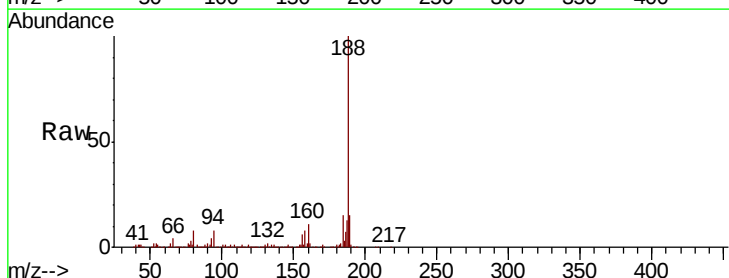
Tgt Ion:188 Resp: 278372

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

80 8.3 8.1 12.1



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

250000

200000

150000

100000

50000

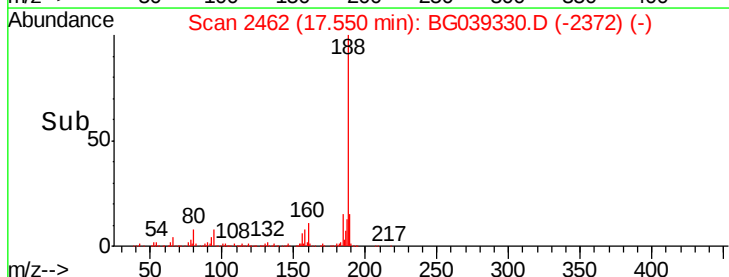
0

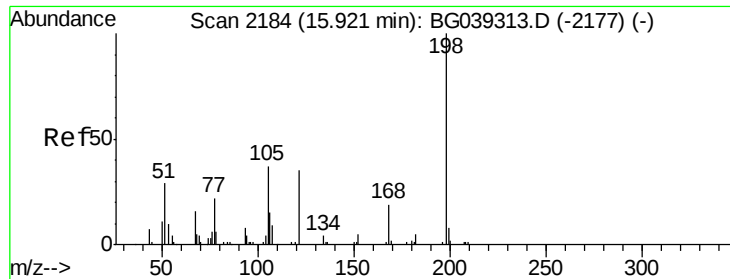
17.50

17.55

17.60

Time-->

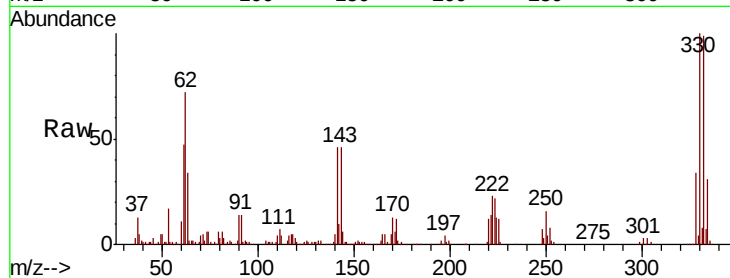




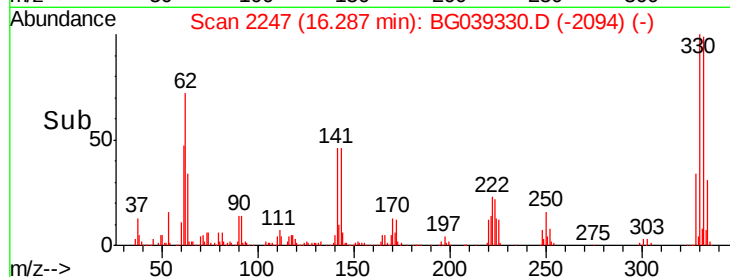
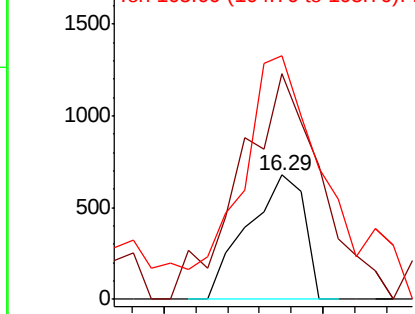
#65
4,6-Dinitro-2-methylphenol
Concen: 5.142 ng
RT: 16.29 min Scan# 2247
Delta R.T. 0.37 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 840
Ion Ratio Lower Upper
198 100
51 182.1 27.4 67.4#
105 196.3 19.7 59.7#

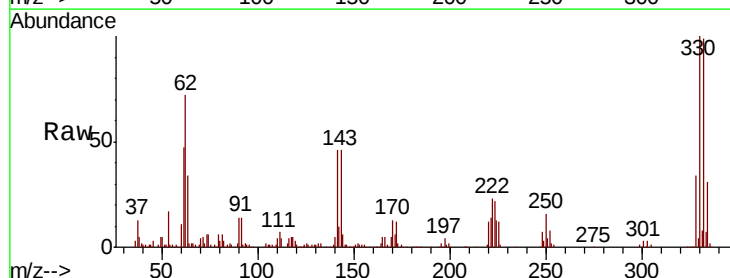
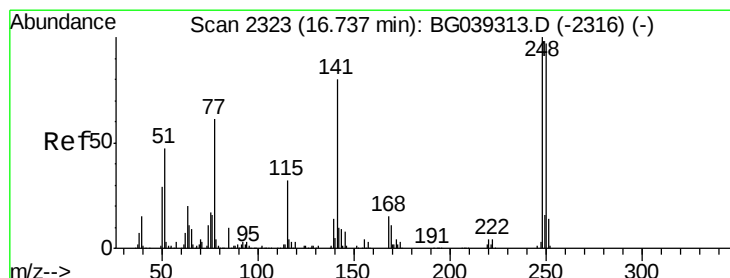


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG0
Ion 105.00 (104.70 to 105.70): E

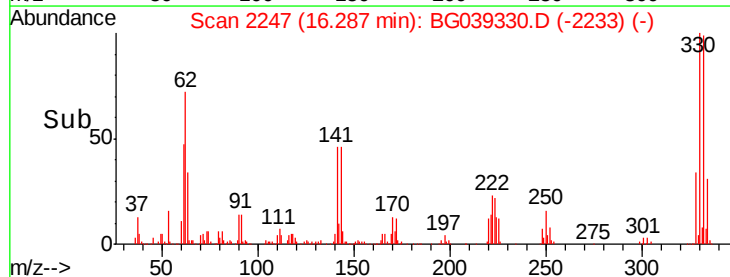
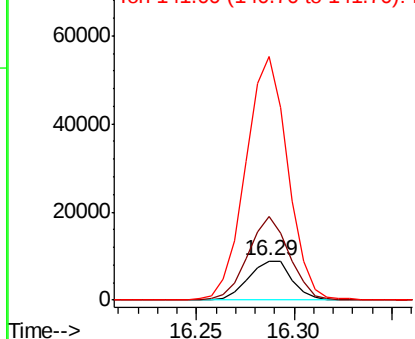


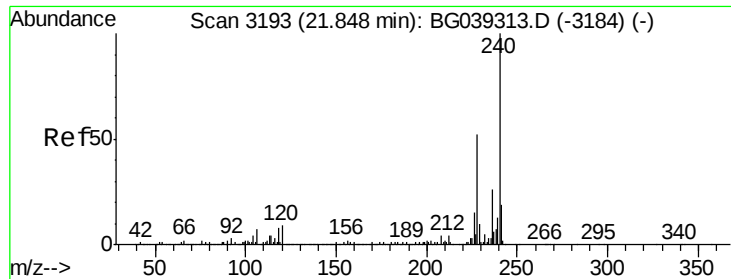
#67
4-Bromophenyl-phenylether
Concen: 4.411 ng
RT: 16.29 min Scan# 2247
Delta R.T. -0.45 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Tgt Ion:248 Resp: 13621
Ion Ratio Lower Upper
248 100
250 213.9 77.6 116.4#
141 618.5 63.9 95.9#



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

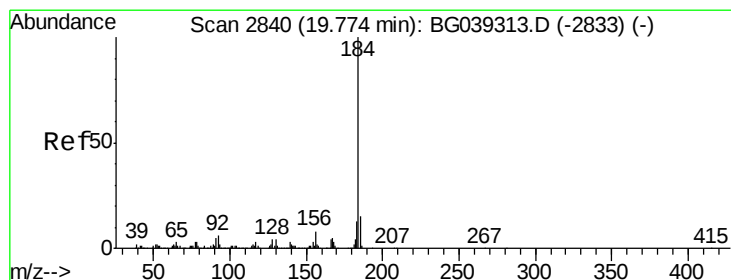
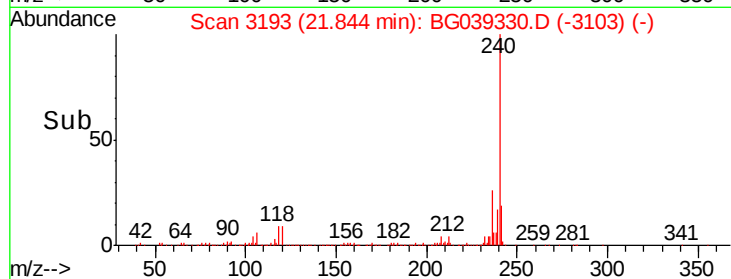
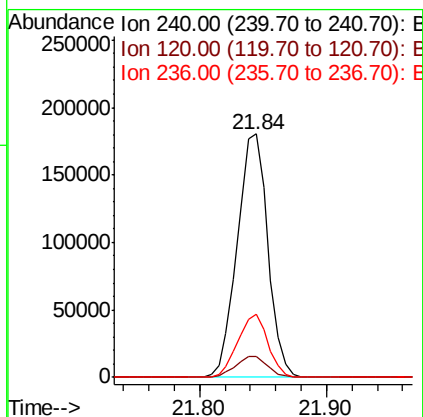
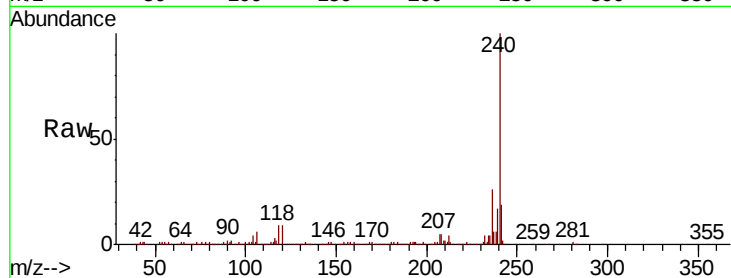




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.84 min Scan# 3193
Delta R.T. -0.00 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

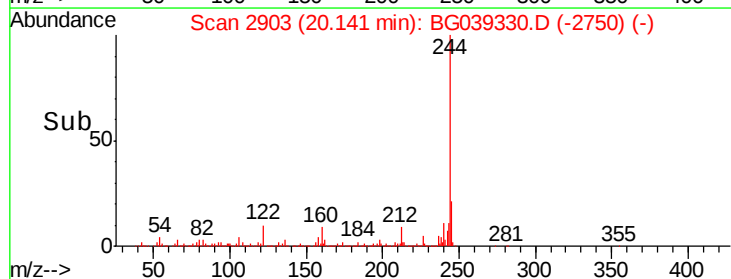
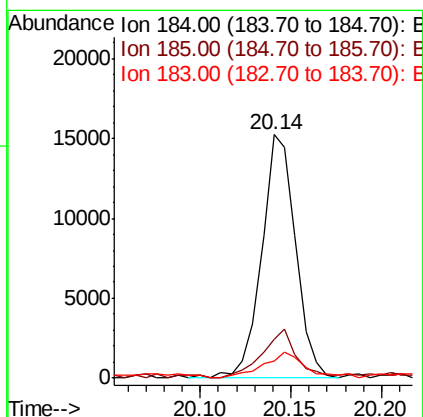
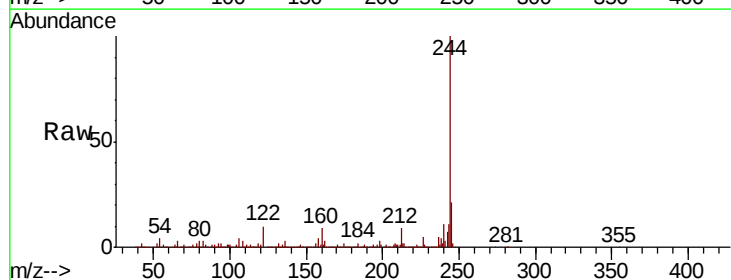
Instrument :
BNA_G
ClientSampled :

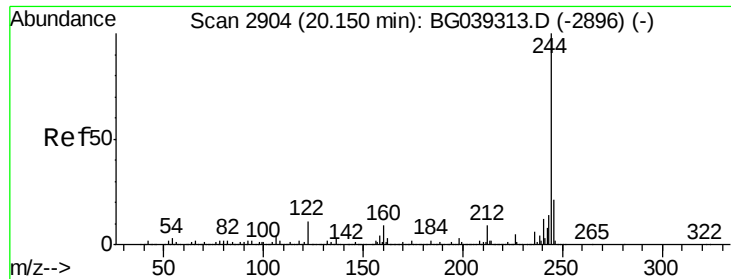
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.0	10.6
236	25.9	21.0	31.4



#77
Benzidine
Concen: 2.033 ng
RT: 20.14 min Scan# 2903
Delta R.T. 0.37 min
Lab File: BG039330.D
Acq: 30 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.2	18.2
183	6.9	10.6	15.8#



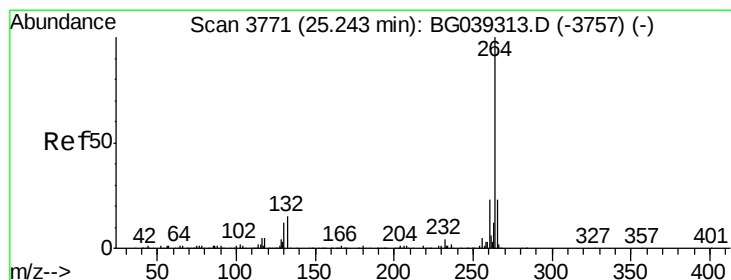
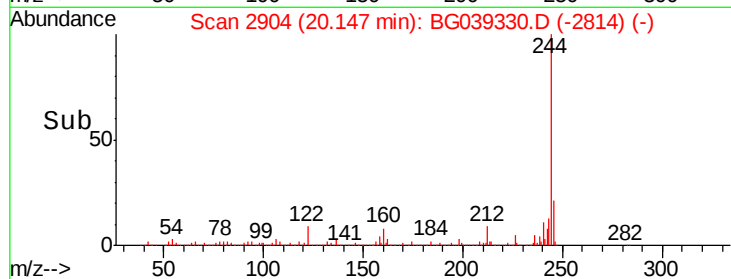
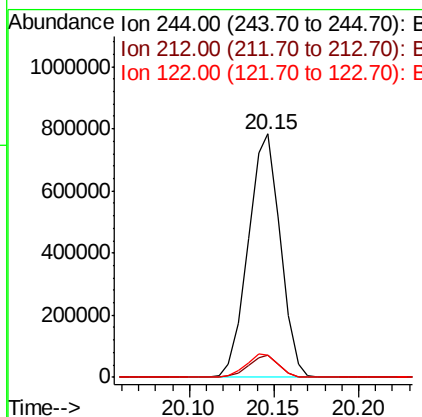
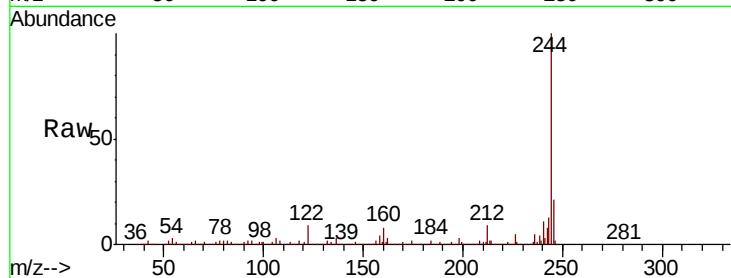


#79
 Terphenyl-d14
 Concen: 72.748 ng
 RT: 20.15 min Scan# 2904
 Delta R.T. -0.00 min
 Lab File: BG039330.D
 Acq: 30 Jan 2019 16:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1035477

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.3	10.9
122	9.3	8.4	12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.23 min Scan# 3770
 Delta R.T. -0.01 min
 Lab File: BG039330.D
 Acq: 30 Jan 2019 16:32

Tgt Ion:264 Resp: 317199

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.1	18.5	27.7

