

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100419\
 Data File : BG043043.D
 Acq On : 5 Oct 2019 00:39
 Operator : JU
 Sample : K5154-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 05 04:54:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

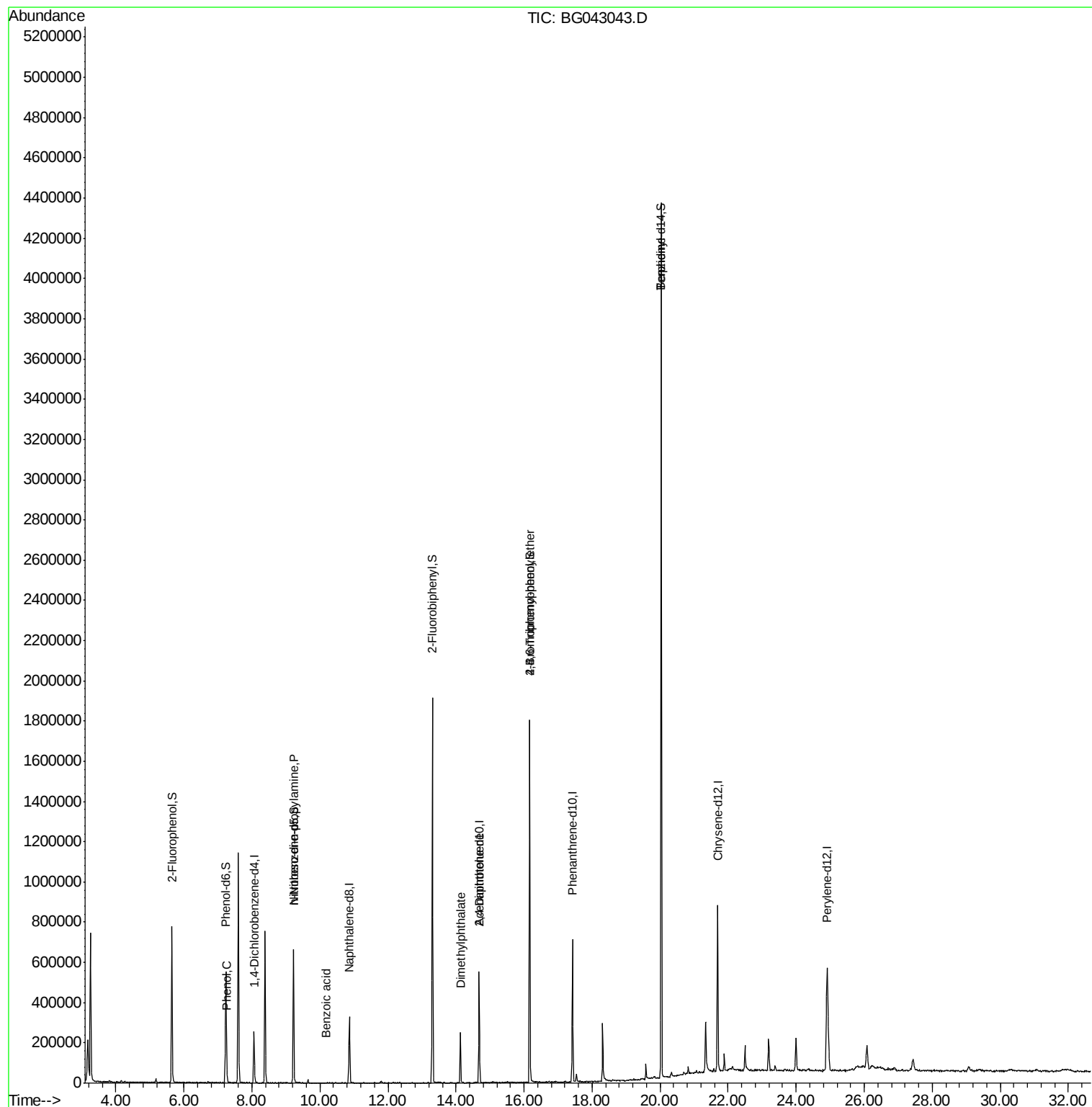
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	77238	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	285549	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	200429	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	477439	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	522583	20.00	ng	-0.02
87) Perylene-d12	24.91	264	600303	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	332295	76.78	ng	-0.01
7) Phenol-d6	7.23	99	319220	51.22	ng	-0.01
23) Nitrobenzene-d5	9.22	82	419162	71.35	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	402414	116.76	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	992890	71.82	ng	-0.02
79) Terphenyl-d14	20.04	244	2024422	82.55	ng	-0.01
Target Compounds						
10) Phenol	7.26	94	35050	6.130	ng	96
19) n-Nitroso-di-n-propylamine	9.22	70	57609	14.077	ng	# 72
32) Benzoic acid	10.18	122	89	2.832	ng	# 36
50) Dimethylphthalate	14.13	163	162619	10.829	ng	98
57) 2,4-Dinitrotoluene	14.68	165	27065	5.779	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	26512	4.424	ng	# 1
77) Benzidine	20.03	184	35107	2.683	ng	# 93

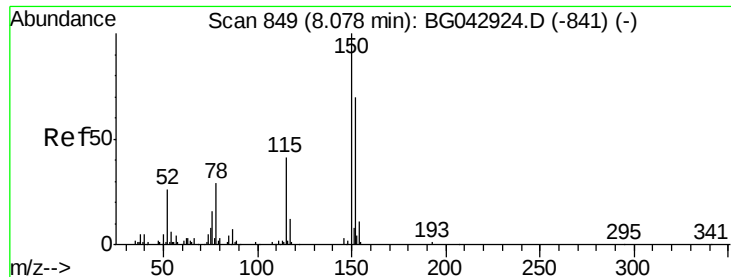
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100419\
Data File : BG043043.D
Acq On : 5 Oct 2019 00:39
Operator : JU
Sample : K5154-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Oct 05 04:54:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 25 15:35:52 2019
Response via : Initial Calibration



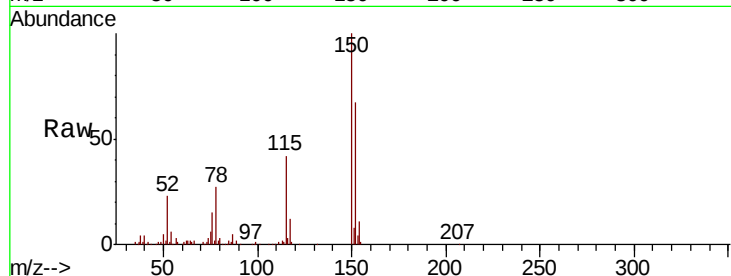


#1

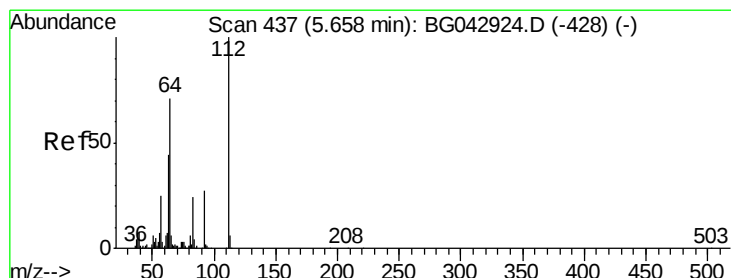
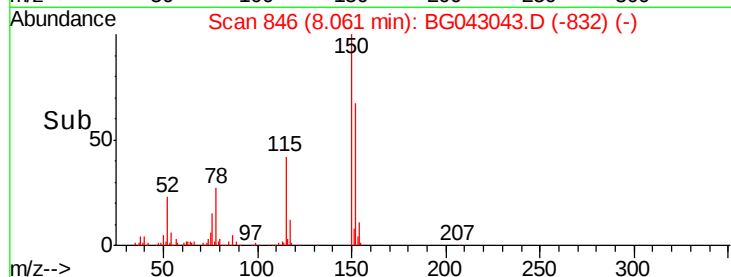
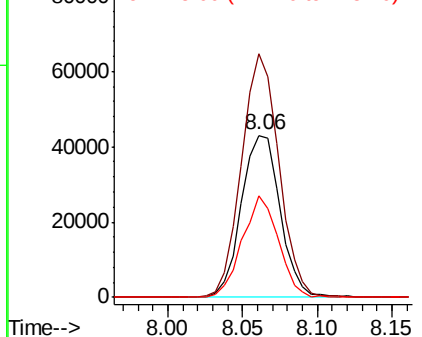
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043043.D
Acq: 5 Oct 2019 00:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 77238
Ion Ratio Lower Upper
152 100
150 150.1 115.0 172.4
115 62.8 47.0 70.6



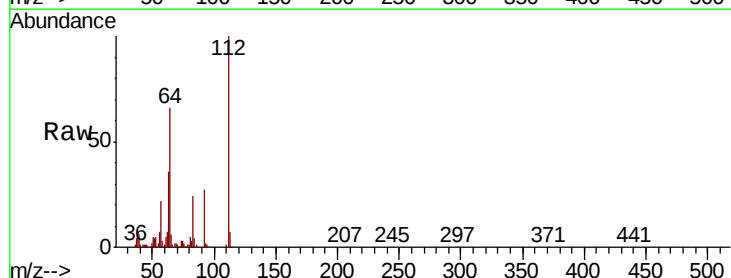
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



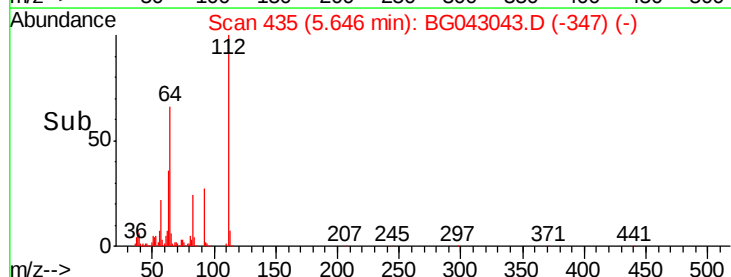
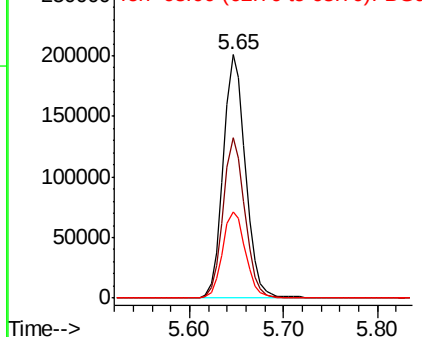
#5

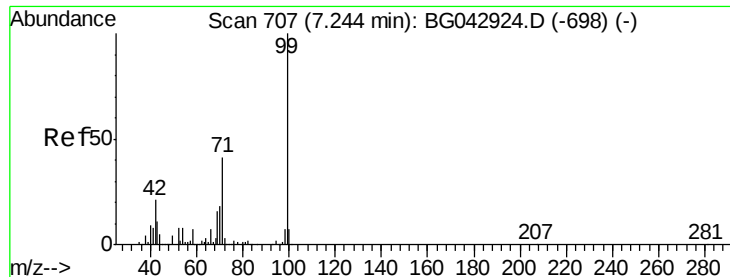
2-Fluorophenol
Concen: 76.778 ng
RT: 5.65 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043043.D
Acq: 5 Oct 2019 00:39

Tgt Ion:112 Resp: 332295
Ion Ratio Lower Upper
112 100
64 65.8 56.6 84.8
63 35.5 35.1 52.7



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: 51.218 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043043.D

Acq: 5 Oct 2019 00:39

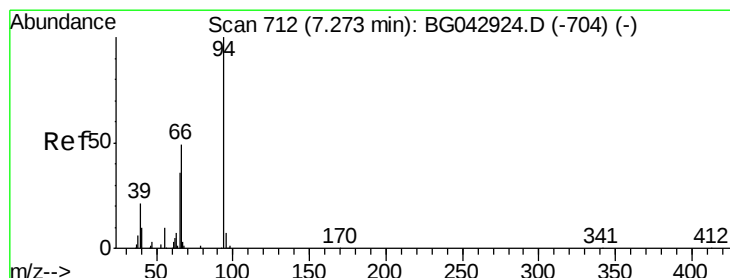
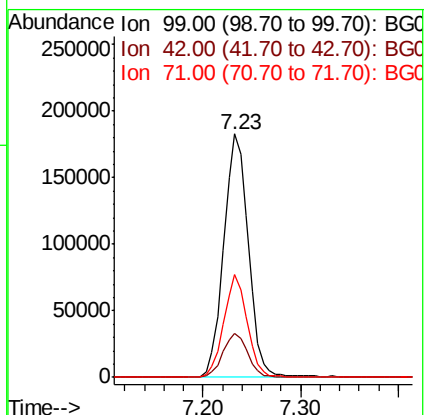
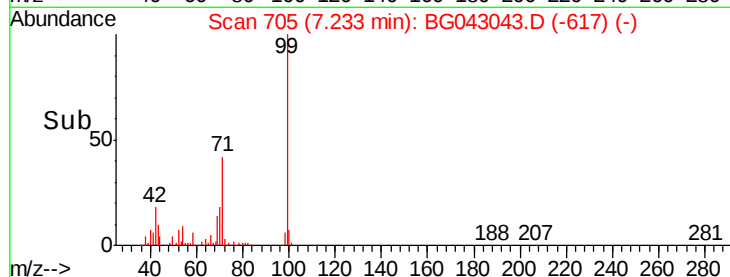
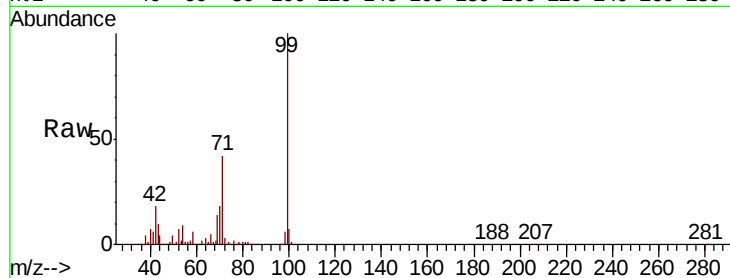
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 319220

Ion	Ratio	Lower	Upper
99	100		
42	18.1	17.2	25.8
71	42.5	33.1	49.7



#10

Phenol

Concen: 6.130 ng

RT: 7.26 min Scan# 710

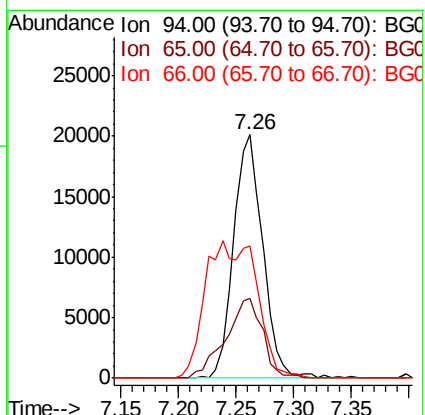
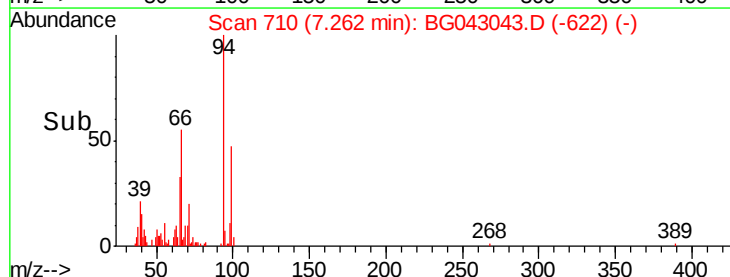
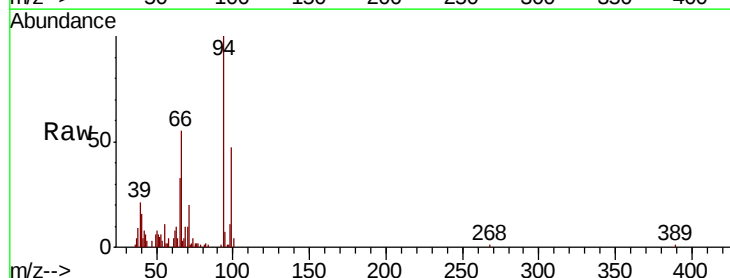
Delta R.T. -0.01 min

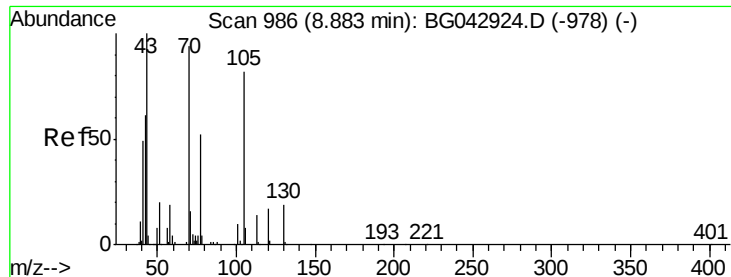
Lab File: BG043043.D

Acq: 5 Oct 2019 00:39

Tgt Ion: 94 Resp: 35050

Ion	Ratio	Lower	Upper
94	100		
65	32.8	16.6	56.6
66	54.6	32.4	72.4

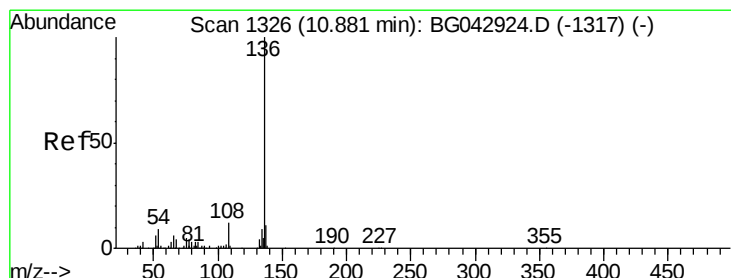
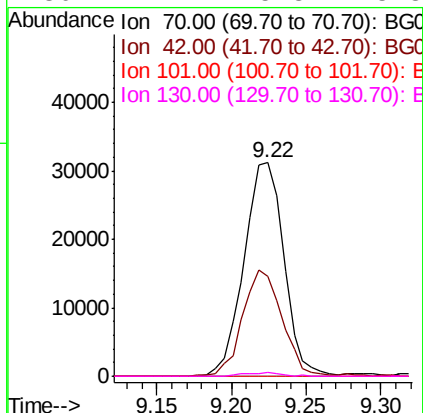
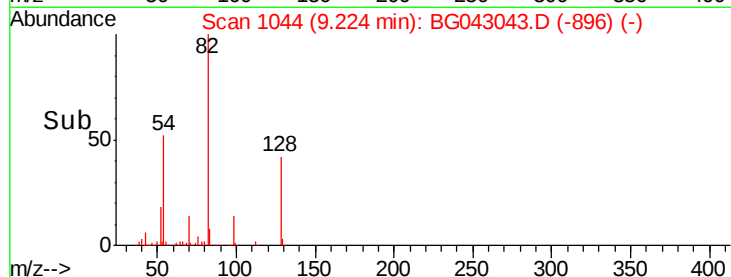
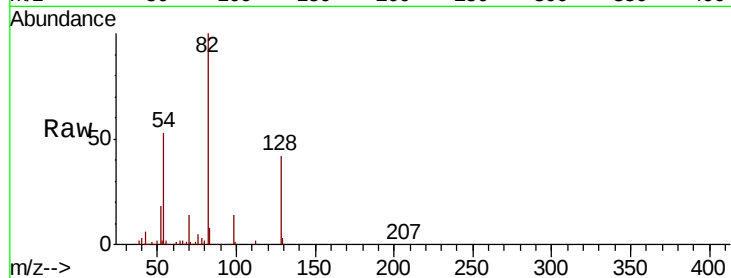




#19
n-Nitroso-di-n-propylamine
Concen: 14.077 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG043043.D
Acq: 5 Oct 2019 00:39

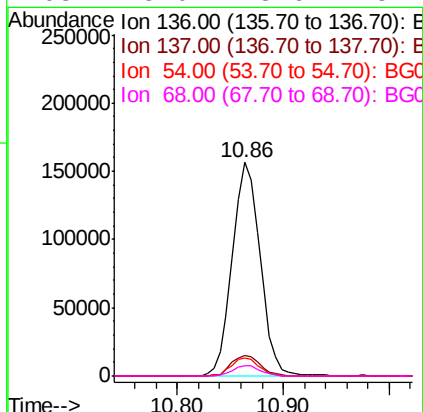
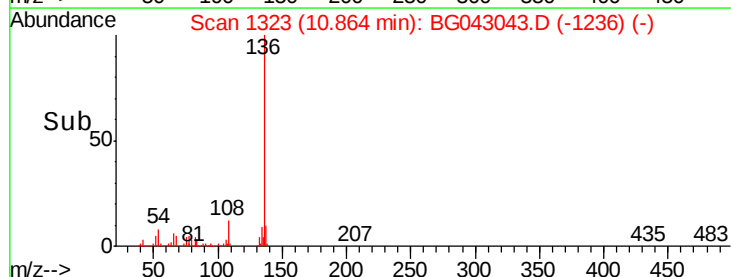
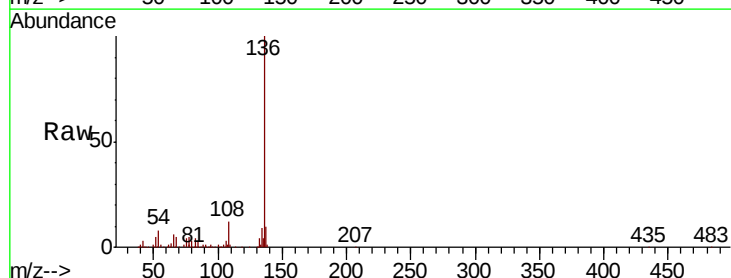
Instrument :
BNA_G
ClientSampled :

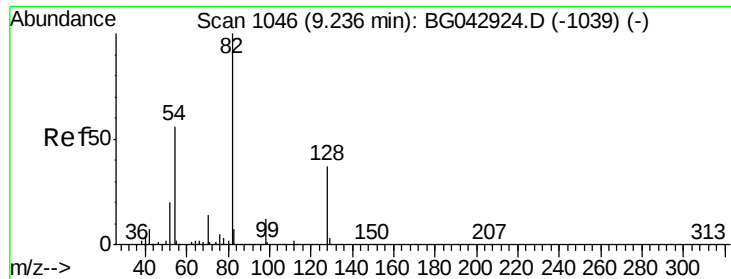
Tot Ion: 70 Resp: 57609
Ion Ratio Lower Upper
70 100
42 46.5 52.6 79.0#
101 0.0 8.7 13.1#
130 1.7 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043043.D
Acq: 5 Oct 2019 00:39

Tgt Ion: 136 Resp: 285549
Ion Ratio Lower Upper
136 100
137 9.7 8.5 12.7
54 8.2 7.4 11.2
68 5.0 3.6 5.4

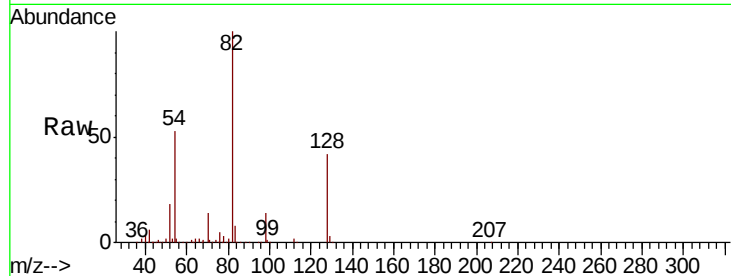




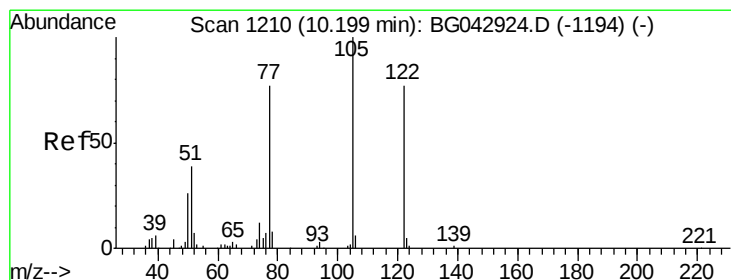
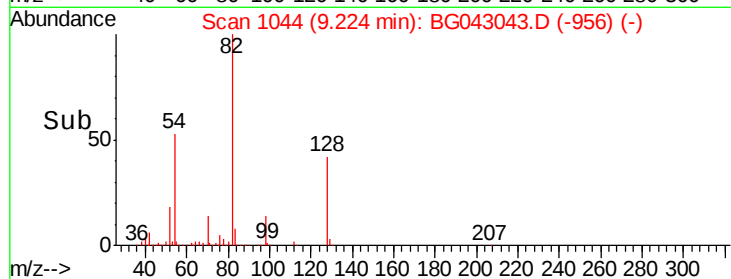
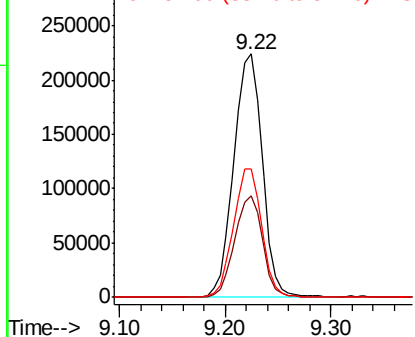
#23
Nitrobenzene-d5
Concen: 71.348 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043043.D
Acq: 5 Oct 2019 00:39

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	419162
Ion Ratio	100	Lower	Upper
128	41.6	29.5	44.3
54	52.7	44.6	67.0

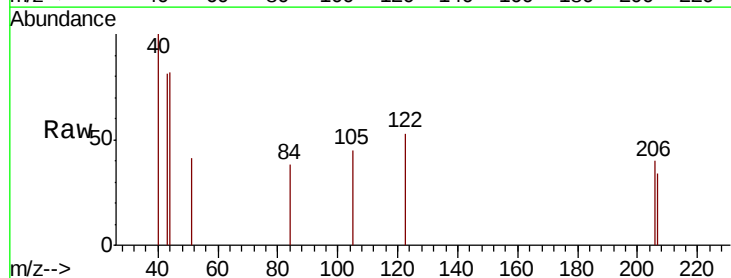


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

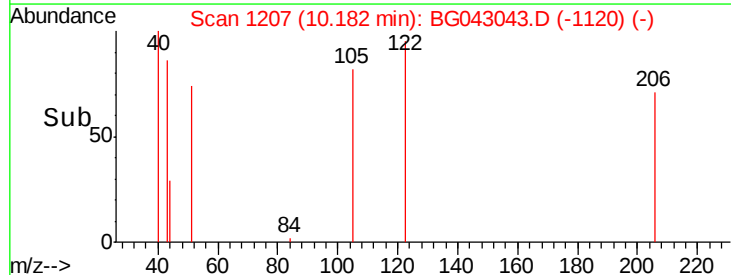
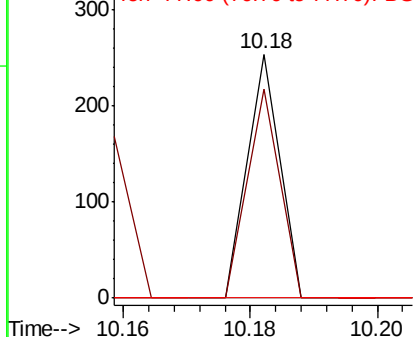


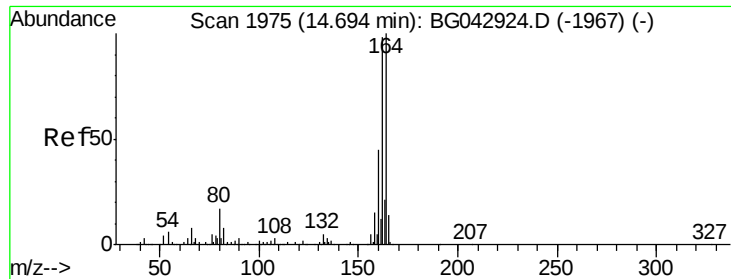
#32
Benzoic acid
Concen: 2.832 ng
RT: 10.18 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BG043043.D
Acq: 5 Oct 2019 00:39

Tgt Ion	122	Resp	89
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	85.8	107.5	147.5#
77	0.0	79.8	119.8#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043043.D

Acq: 5 Oct 2019 00:39

Instrument :

BNA_G

ClientSampleId :

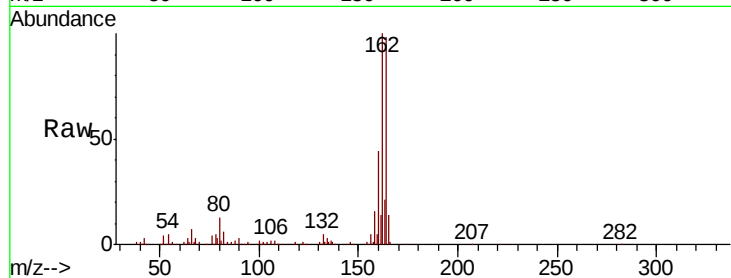
Tot Ion:164 Resp: 200429

Ion Ratio Lower Upper

164 100

162 102.0 78.5 117.7

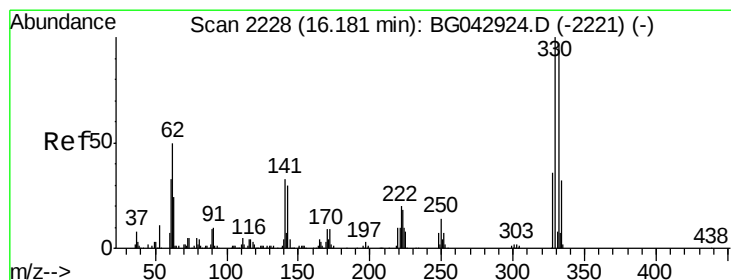
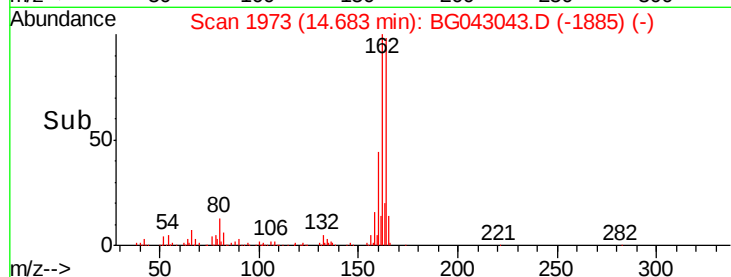
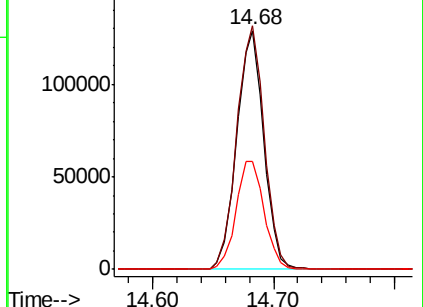
160 45.0 35.9 53.9



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: 116.760 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043043.D

Acq: 5 Oct 2019 00:39

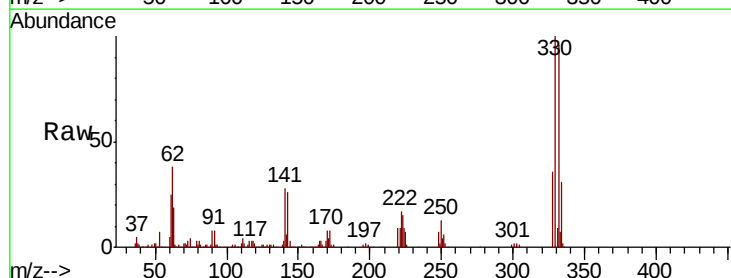
Tgt Ion:330 Resp: 402414

Ion Ratio Lower Upper

330 100

332 95.9 78.2 117.2

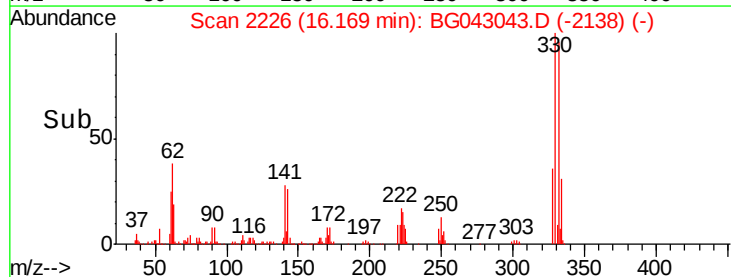
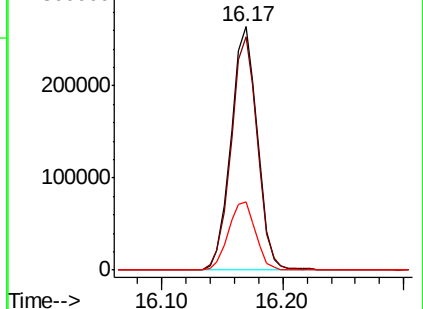
141 28.9 26.0 39.0

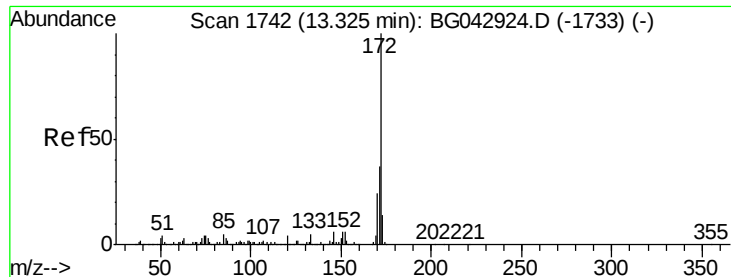


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

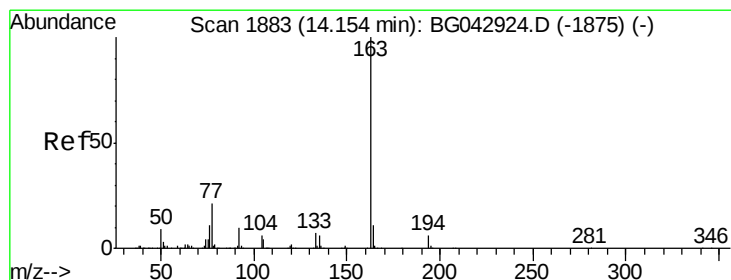
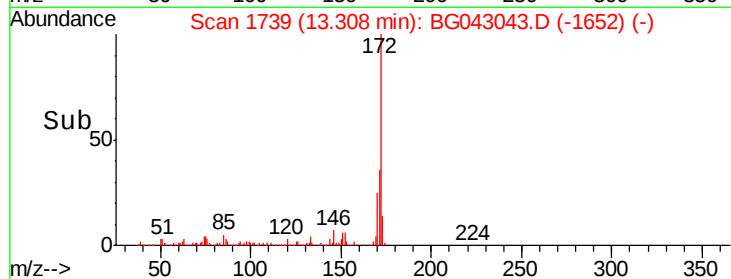
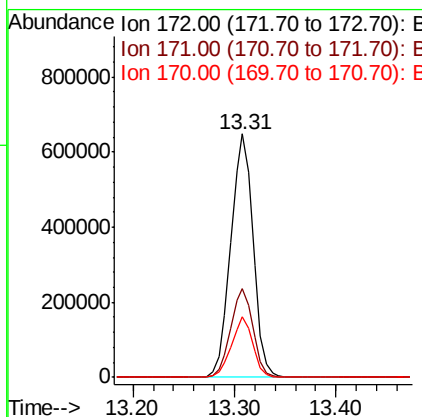
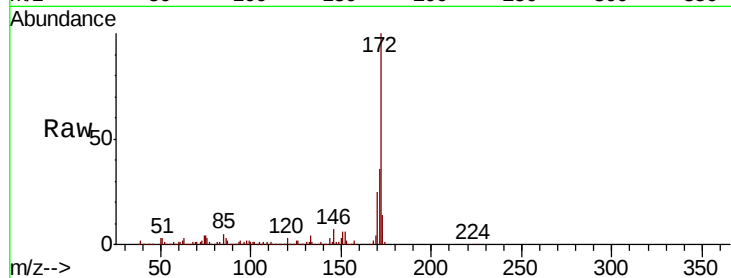




#45
2-Fluorobiphenyl
Concen: 71.815 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043043.D
Acq: 5 Oct 2019 00:39

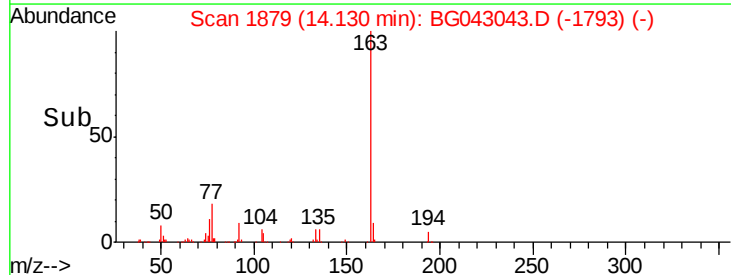
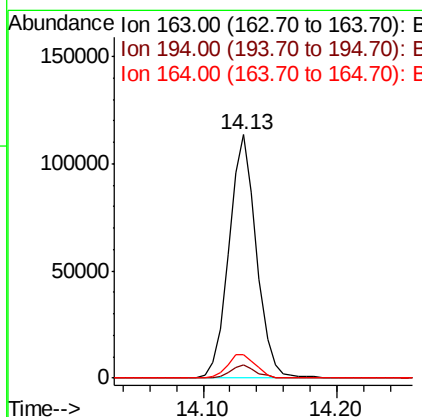
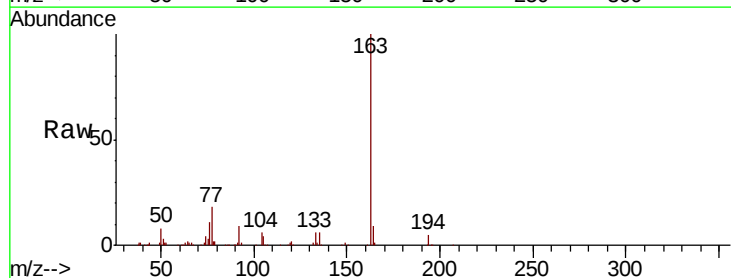
Instrument :
BNA_G
ClientSampleId :

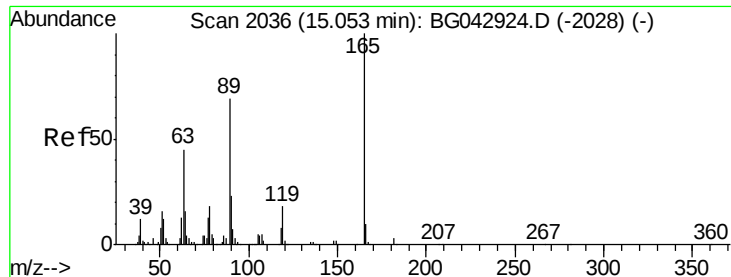
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.7	19.6	29.4



#50
Dimethylphthalate
Concen: 10.829 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG043043.D
Acq: 5 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.3	4.4	6.6
164	9.5	8.6	12.8

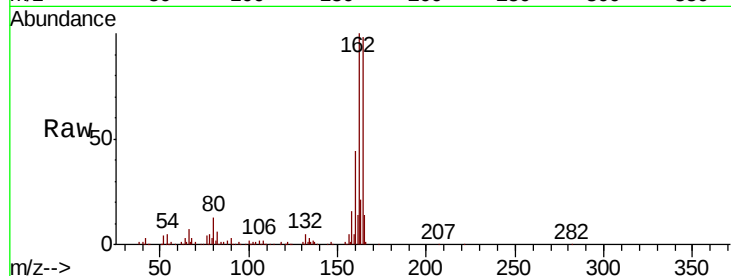




#57
 2,4-Dinitrotoluene
 Concen: 5.779 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.37 min
 Lab File: BG043043.D
 Acq: 5 Oct 2019 00:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.5	54.7#
89	0.0	55.5	83.3#
182	0.0	2.4	3.6#



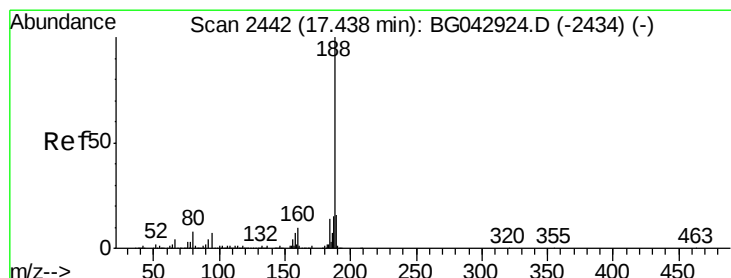
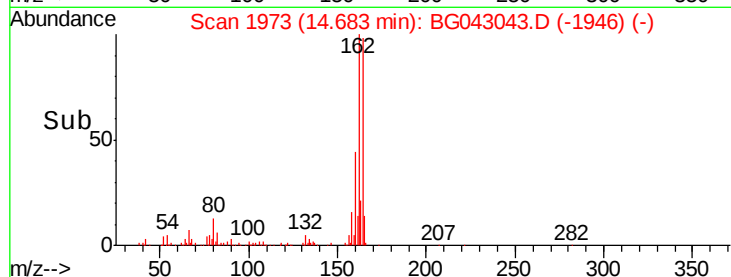
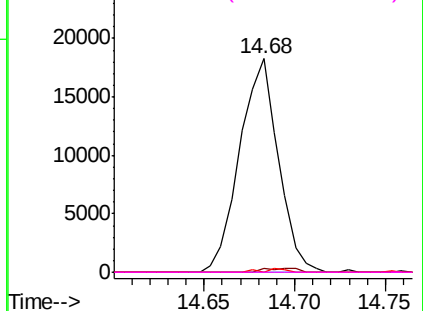
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

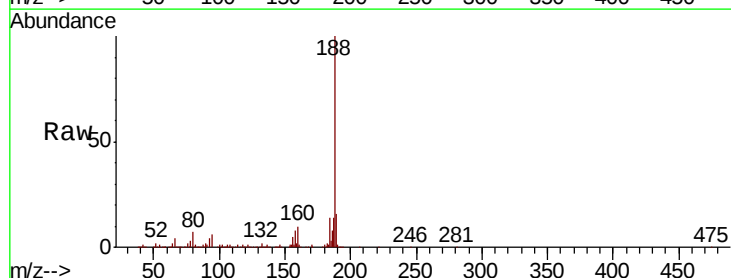
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: BG043043.D
 Acq: 5 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.7	8.5
80	7.2	6.5	9.7

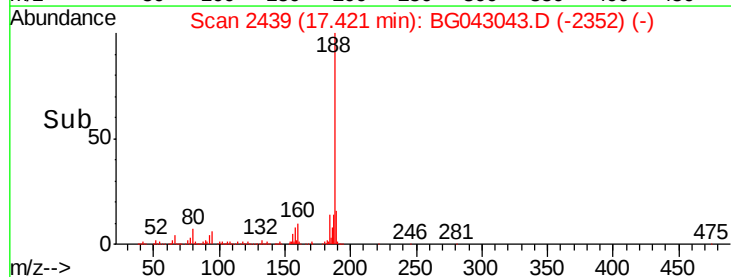
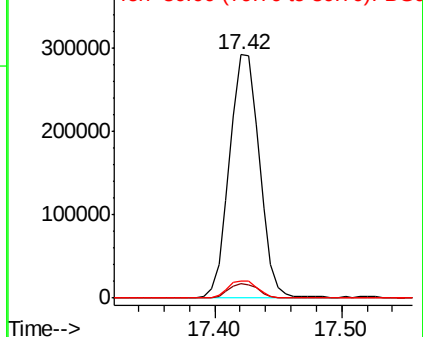


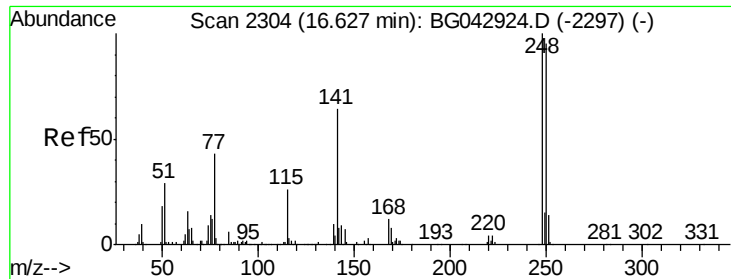
Abundance

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

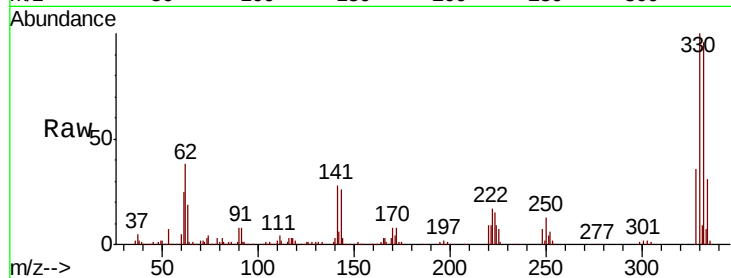




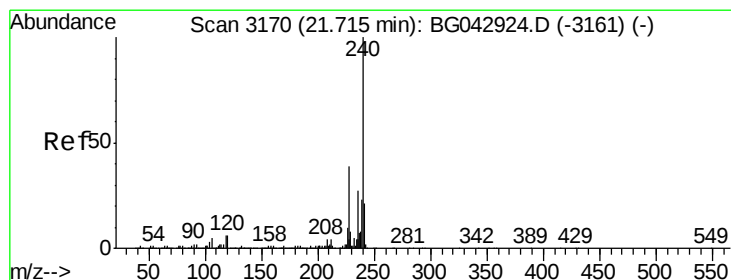
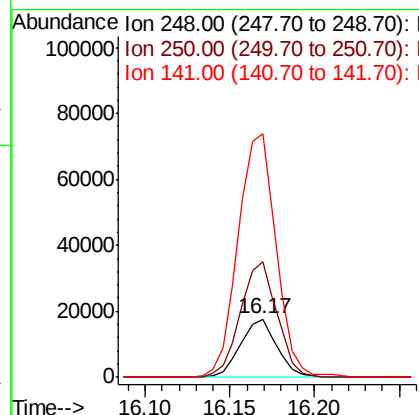
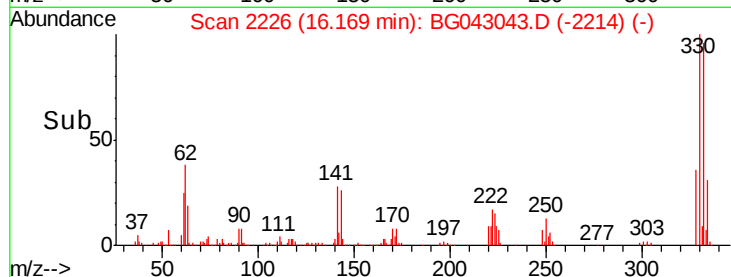
#67
 4-Bromophenyl-phenylether
 Concen: 4.424 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG043043.D
 Acq: 5 Oct 2019 00:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 26512
 Ion Ratio Lower Upper
 248 100
 250 197.8 75.8 113.8#
 141 417.8 51.1 76.7#

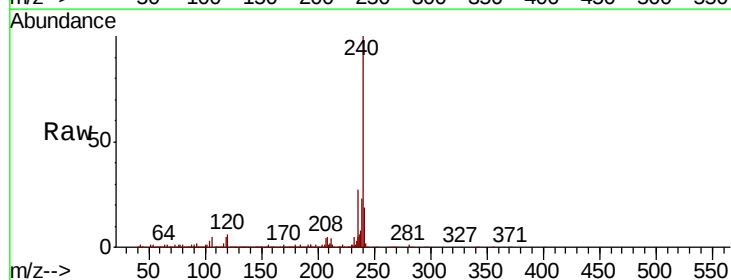


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

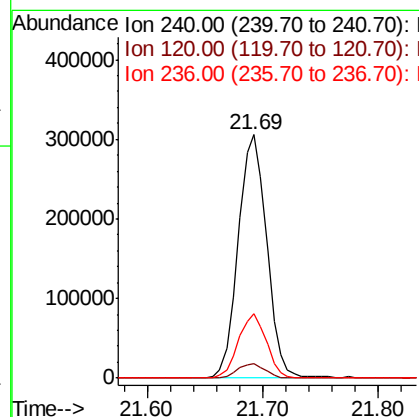
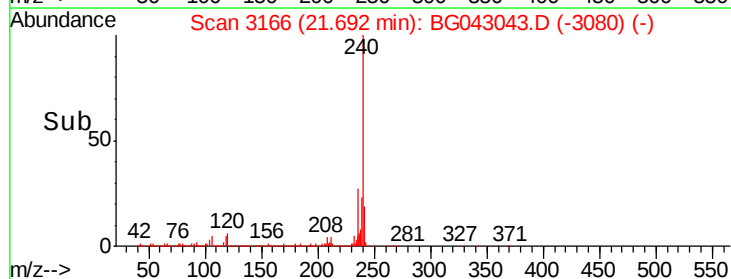


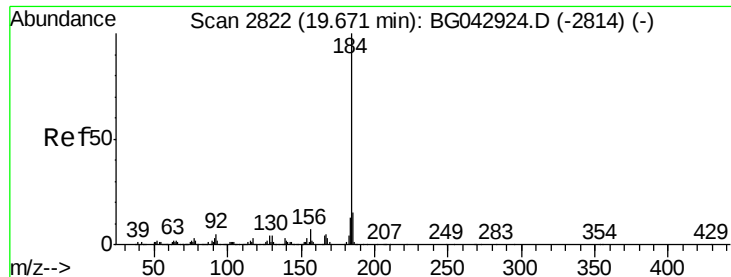
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.02 min
 Lab File: BG043043.D
 Acq: 5 Oct 2019 00:39

Tgt Ion:240 Resp: 522583
 Ion Ratio Lower Upper
 240 100
 120 6.0 4.8 7.2
 236 26.5 21.4 32.0



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: 2.683 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG043043.D

Acq: 5 Oct 2019 00:39

Instrument :

BNA_G

ClientSampleId :

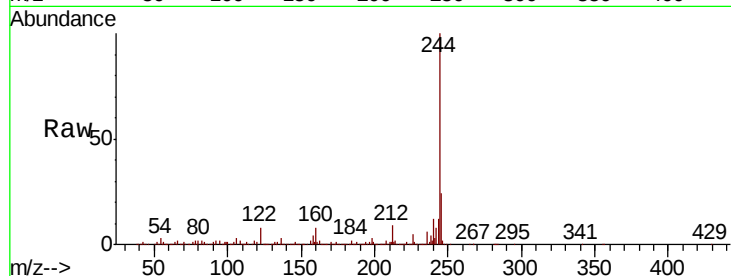
Tot Ion:184 Resp: 35107

Ion Ratio Lower Upper

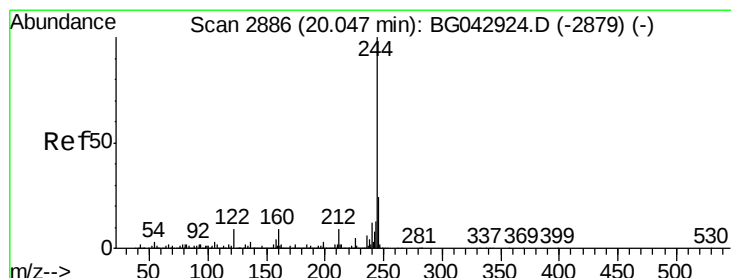
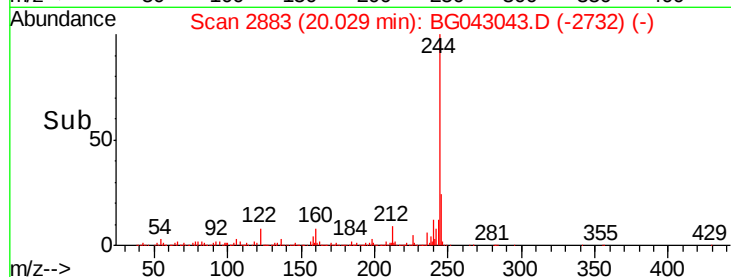
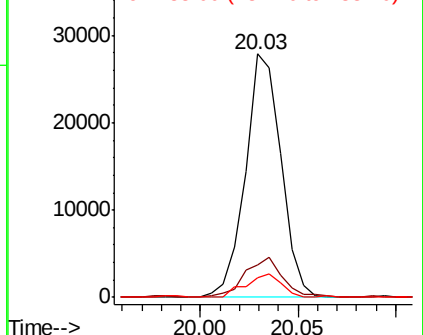
184 100

185 13.4 11.8 17.8

183 8.3 10.1 15.1#



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: 82.548 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043043.D

Acq: 5 Oct 2019 00:39

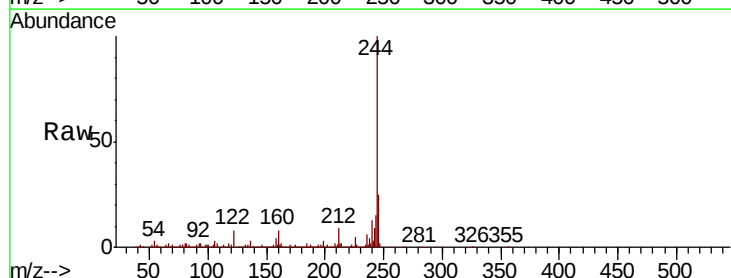
Tgt Ion:244 Resp: 2024422

Ion Ratio Lower Upper

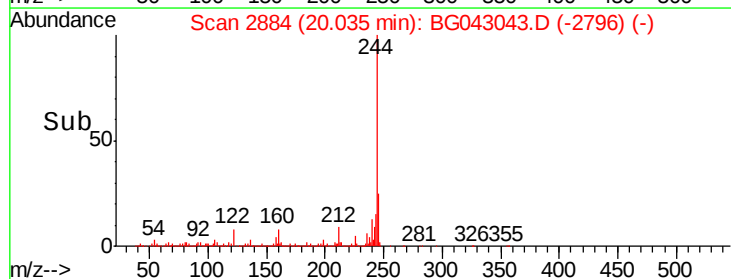
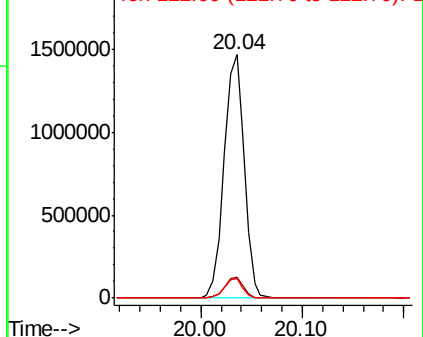
244 100

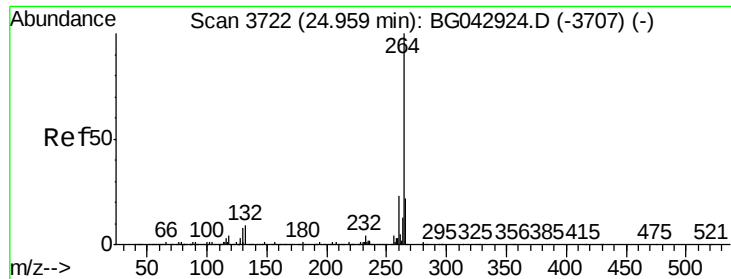
212 8.8 7.4 11.0

122 8.1 7.0 10.4



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: 24.91 min Scan# 3713
 Delta R.T. -0.05 min
 Lab File: BG043043.D
 Acq: 5 Oct 2019 00:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	17.7	26.5

