

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042646.D
 Acq On : 1 Sep 2019 00:12
 Operator : HP/JU
 Sample : K4547-35
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 02:29:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

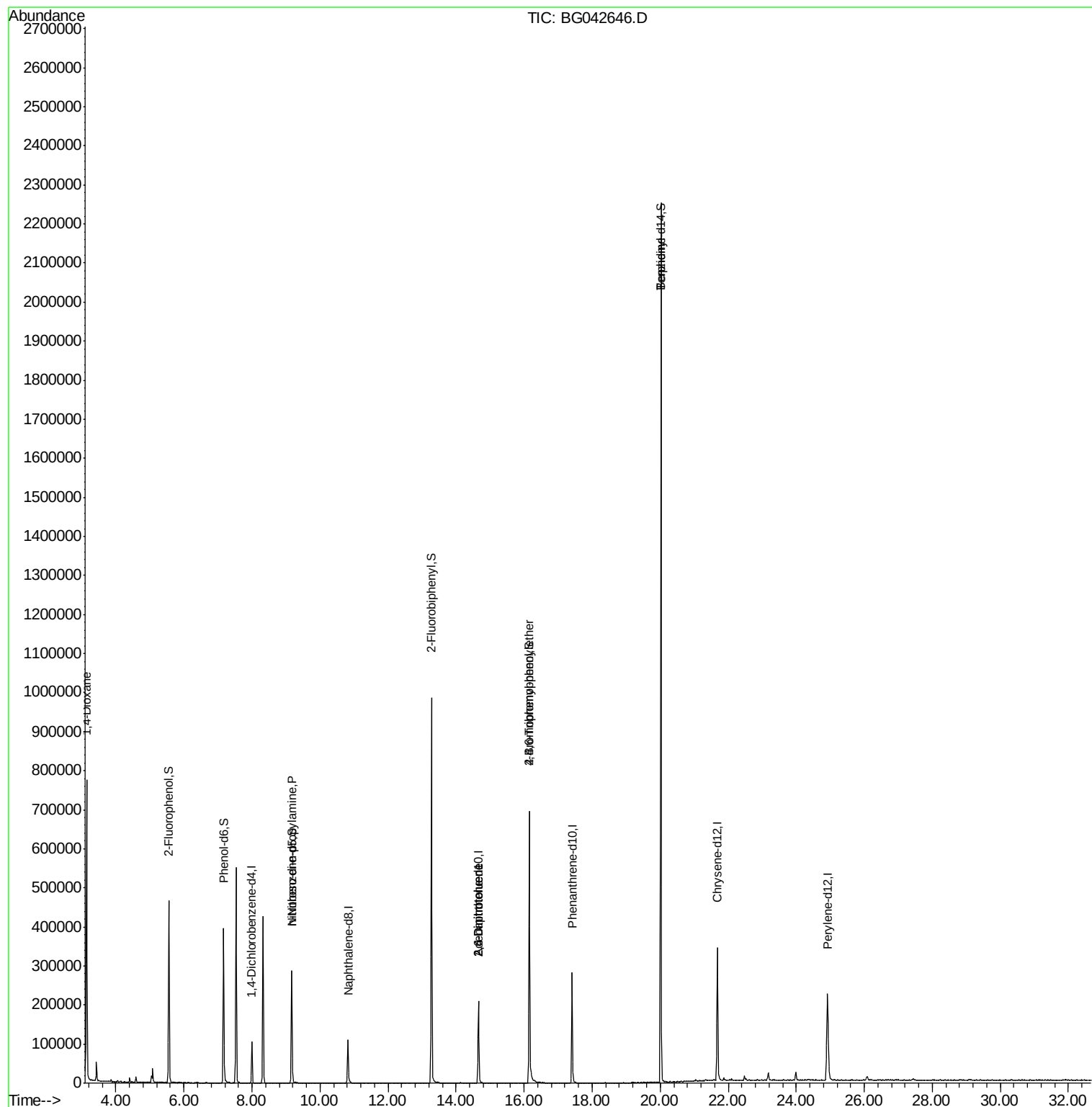
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	35149	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	127808	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	93747	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	222429	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	251623	20.00	ng	-0.02
87) Perylene-d12	24.91	264	289759	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	232367	133.89	ng	0.00
7) Phenol-d6	7.17	99	273346	116.60	ng	0.00
23) Nitrobenzene-d5	9.17	82	193775	104.77	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	206642	155.08	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	615095	110.97	ng	0.00
79) Terphenyl-d14	20.02	244	1243276	106.82	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	8292	11.449	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	25002	16.462	ng	# 77
51) 2,6-Dinitrotoluene	14.66	165	12488	7.965	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12488	5.562	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	14106	5.000	ng	# 1
77) Benzidine	20.02	184	15793	2.189	ng	# 95

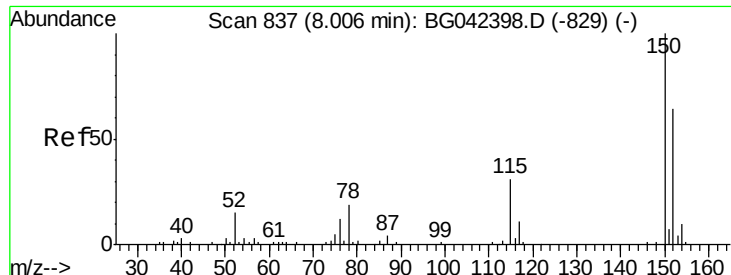
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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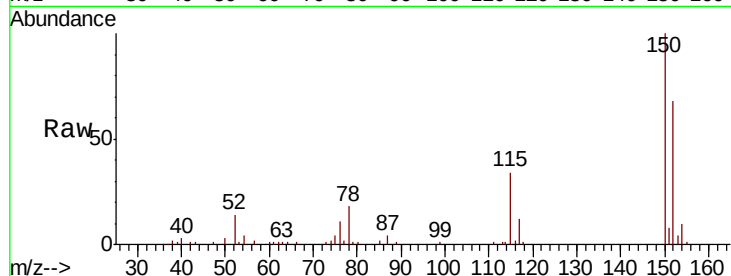


#1

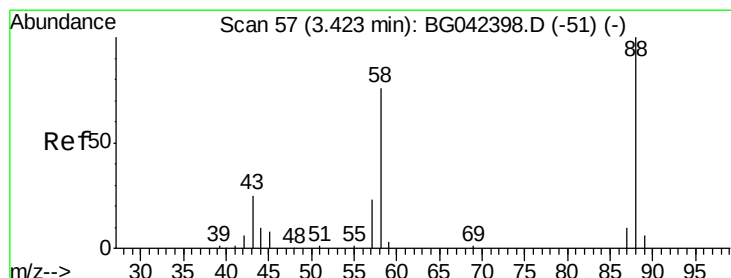
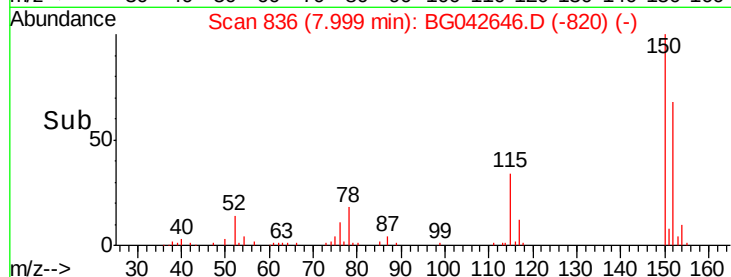
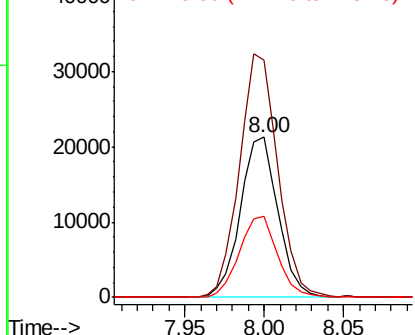
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042646.D
Acq: 1 Sep 2019 00:12

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 35149
Ion Ratio Lower Upper
152 100
150 147.8 125.4 188.0
115 50.7 38.5 57.7



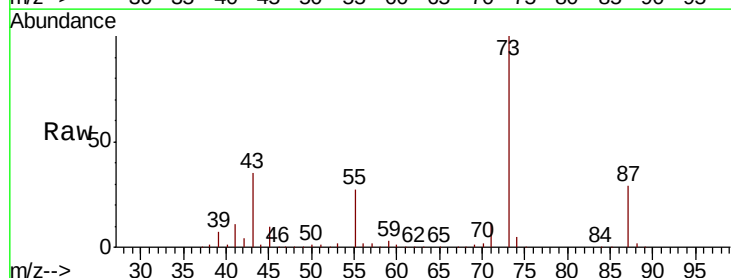
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



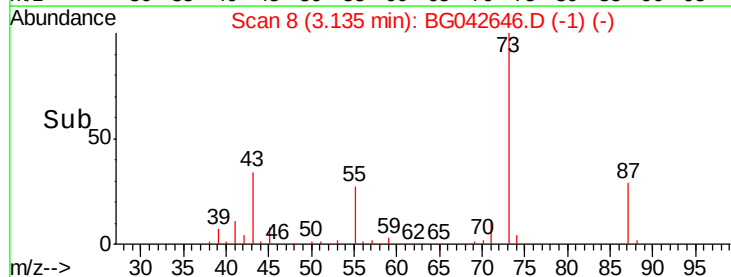
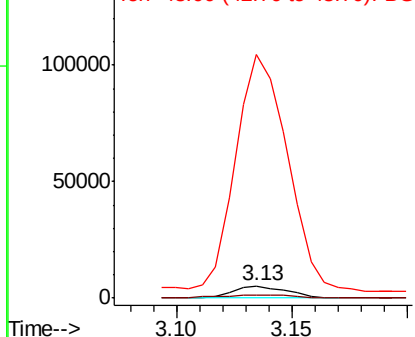
#2

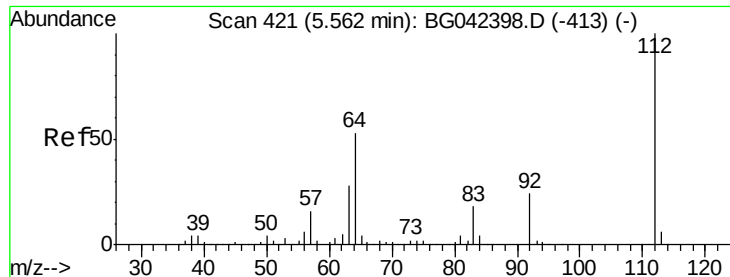
1,4-Dioxane
Concen: 11.449 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042646.D
Acq: 1 Sep 2019 00:12

Tgt Ion: 88 Resp: 8292
Ion Ratio Lower Upper
88 100
58 25.6 58.3 87.5#
43 1998.7 20.2 30.2#



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: 133.890 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042646.D

Acq: 1 Sep 2019 00:12

Instrument :

BNA_G

ClientSampled :

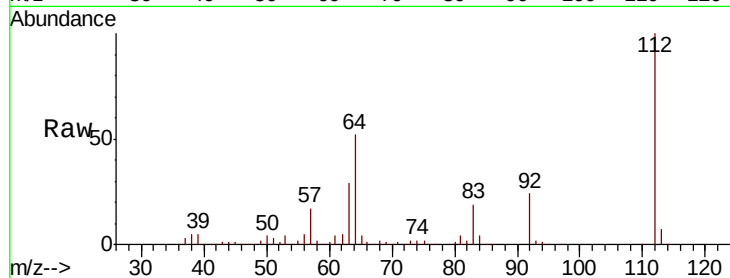
Tot Ion: 112 Resp: 232367

Ion Ratio Lower Upper

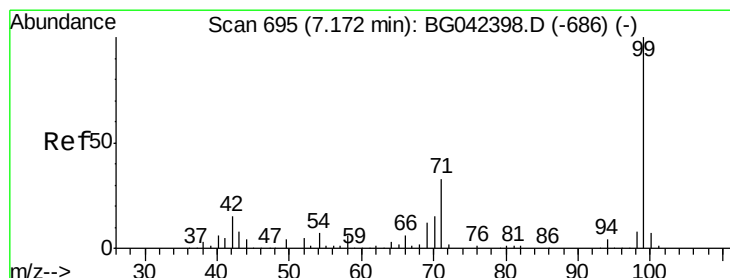
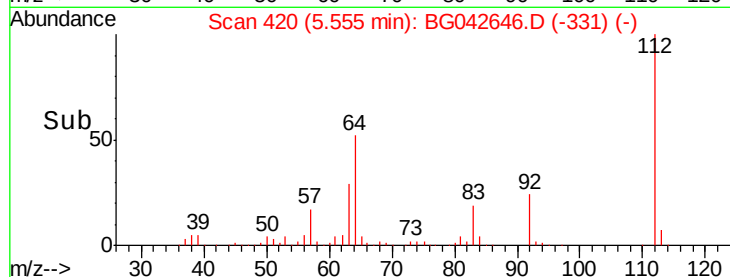
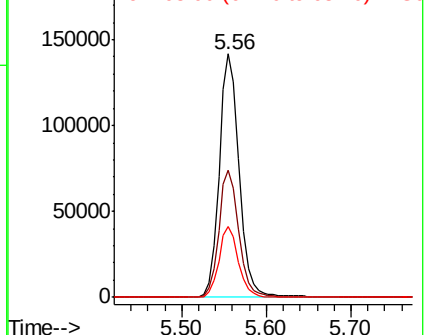
112 100

64 52.3 42.8 64.2

63 29.2 22.7 34.1



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: 116.602 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042646.D

Acq: 1 Sep 2019 00:12

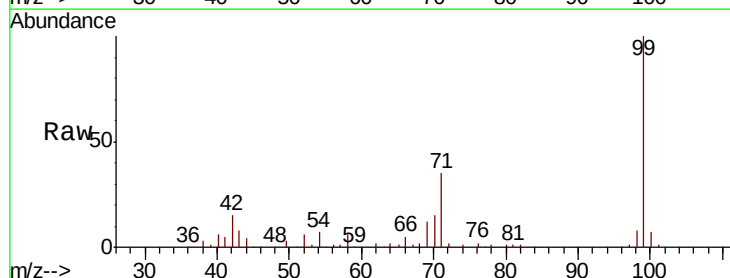
Tgt Ion: 99 Resp: 273346

Ion Ratio Lower Upper

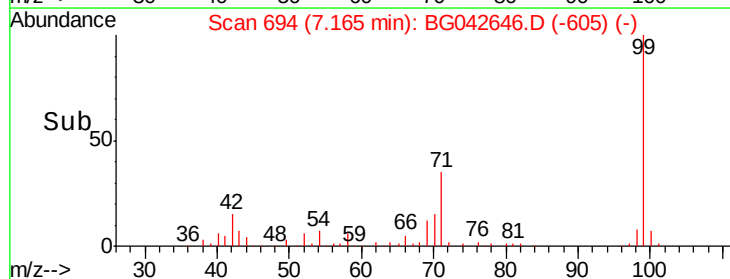
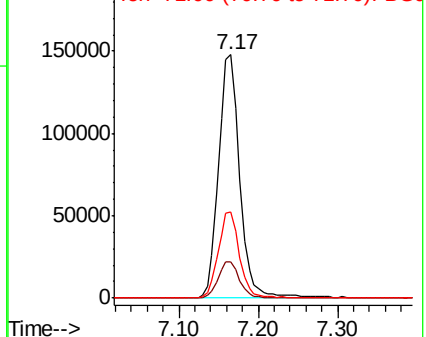
99 100

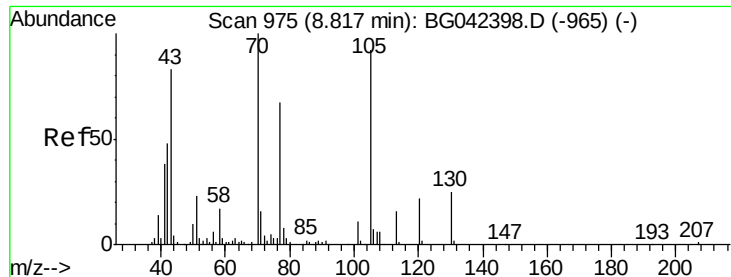
42 15.0 12.0 18.0

71 35.4 26.3 39.5



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

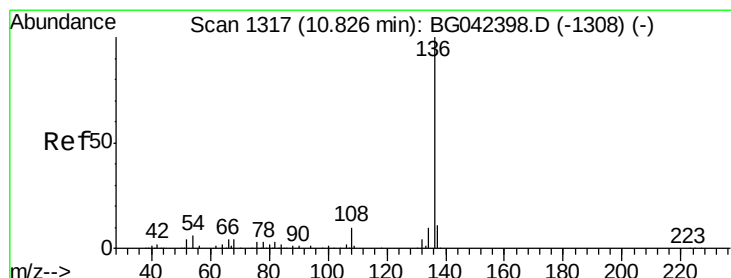
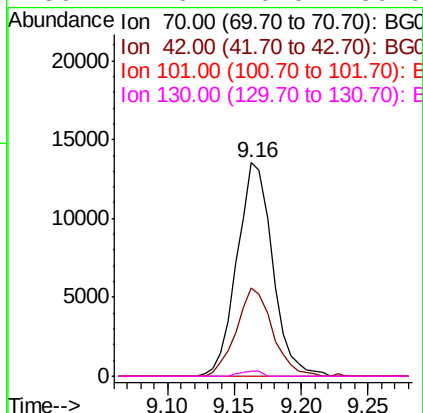
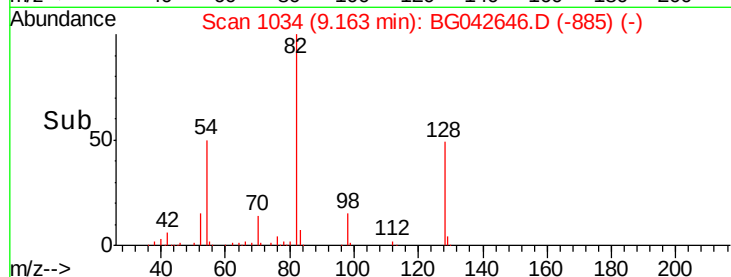
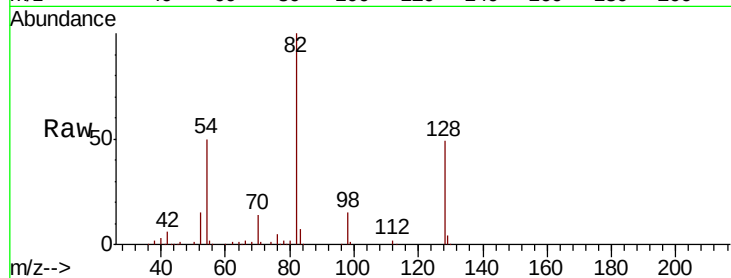




#19
n-Nitroso-di-n-propylamine
Concen: 16.462 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042646.D
Acq: 1 Sep 2019 00:12

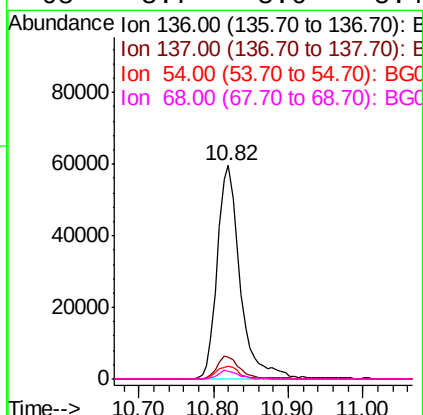
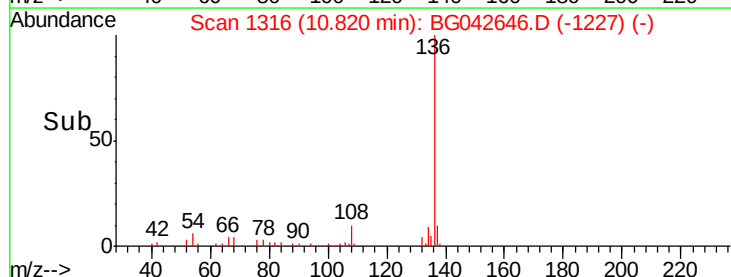
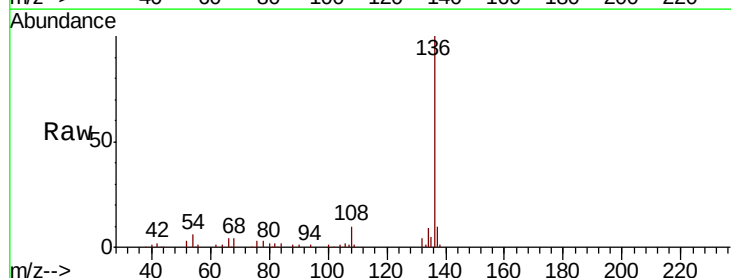
Instrument :
BNA_G
ClientSampleId :

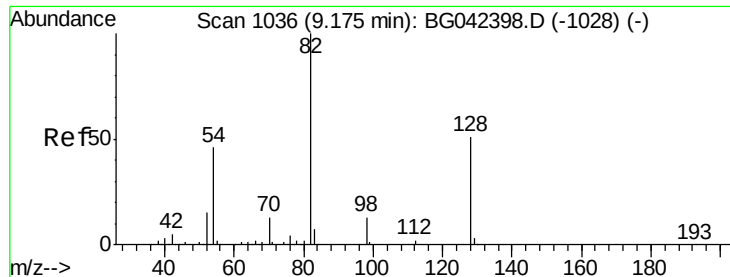
Tot Ion: 70 Resp: 25002
Ion Ratio Lower Upper
70 100
42 41.2 38.8 58.2
101 0.0 9.0 13.6#
130 2.6 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042646.D
Acq: 1 Sep 2019 00:12

Tgt Ion: 136 Resp: 127808
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 5.9 4.9 7.3
68 3.7 3.6 5.4

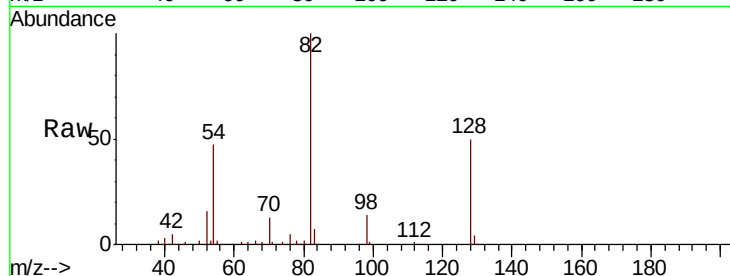




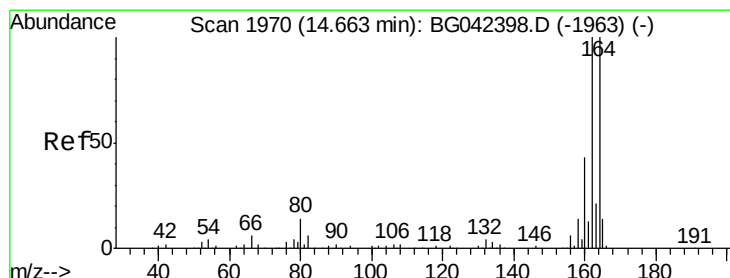
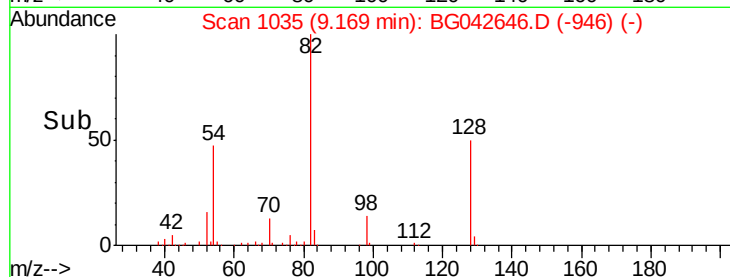
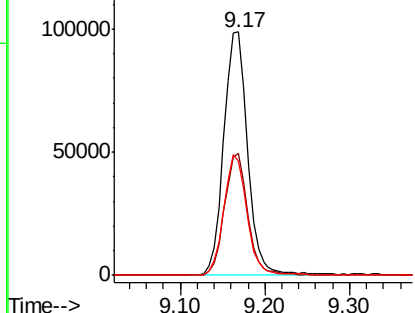
#23
Nitrobenzene-d5
Concen: 104.771 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042646.D
Acq: 1 Sep 2019 00:12

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 193775
Ion Ratio Lower Upper
82 100
128 50.2 40.7 61.1
54 46.9 36.3 54.5

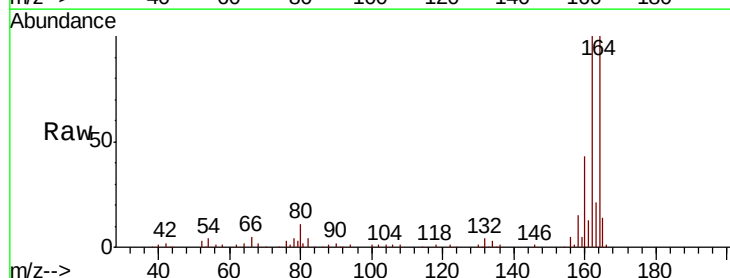


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

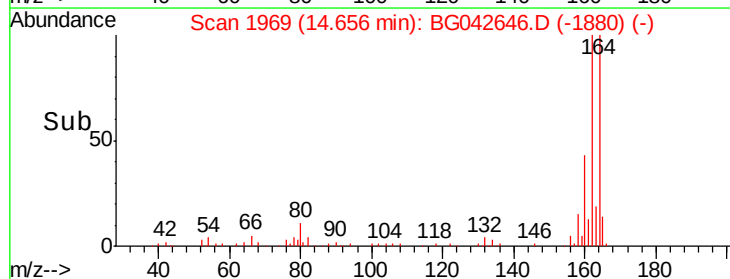
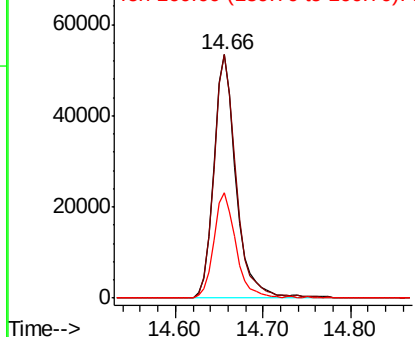


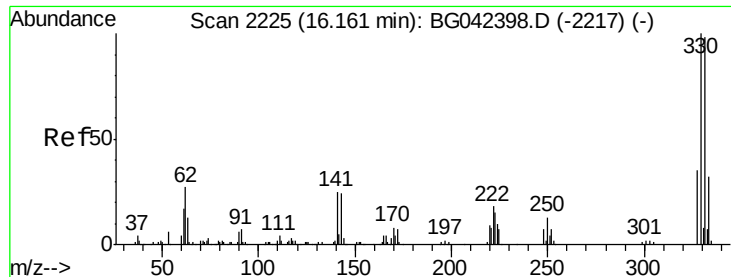
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042646.D
Acq: 1 Sep 2019 00:12

Tgt Ion:164 Resp: 93747
Ion Ratio Lower Upper
164 100
162 99.9 79.9 119.9
160 43.4 34.3 51.5



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: 155.083 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042646.D

Acq: 1 Sep 2019 00:12

Instrument :

BNA_G

ClientSampleId :

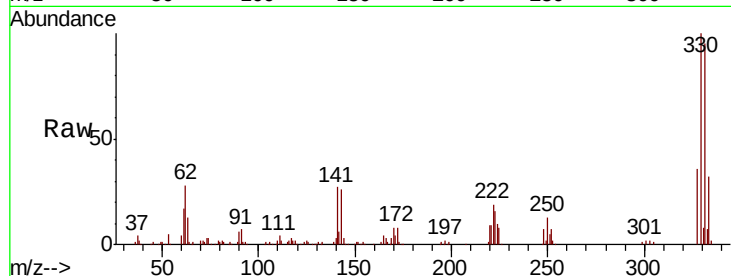
Tot Ion:330 Resp: 206642

Ion Ratio Lower Upper

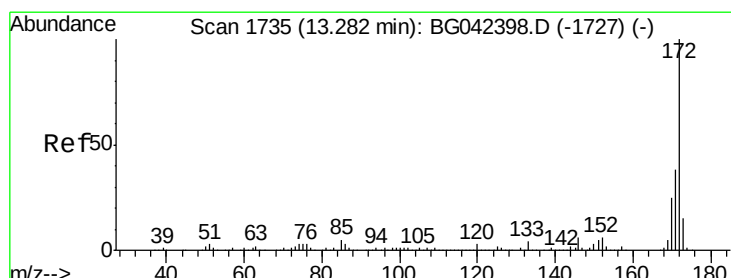
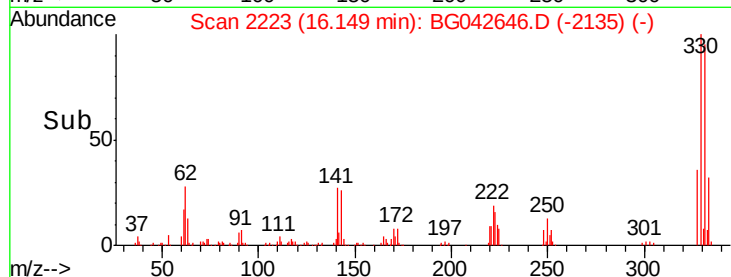
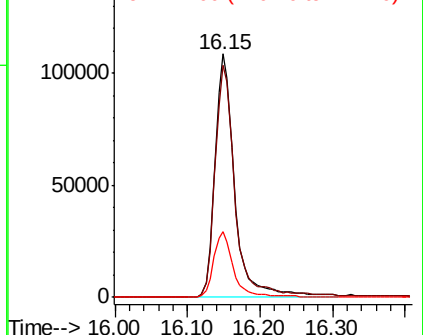
330 100

332 97.3 77.4 116.0

141 27.0 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: 110.969 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042646.D

Acq: 1 Sep 2019 00:12

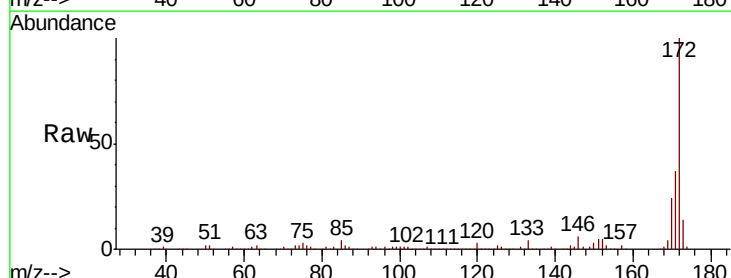
Tgt Ion:172 Resp: 615095

Ion Ratio Lower Upper

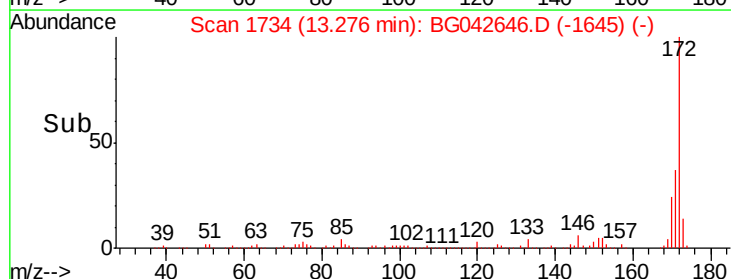
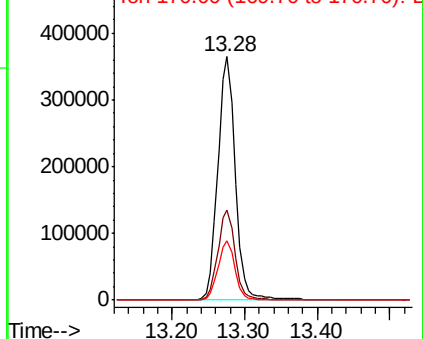
172 100

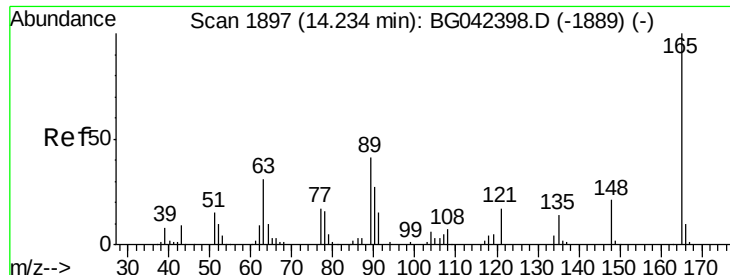
171 36.9 30.5 45.7

170 24.5 20.2 30.2



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

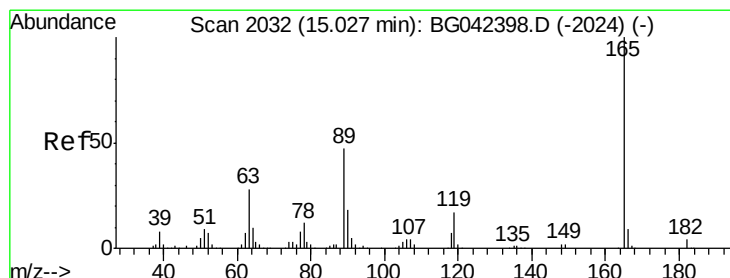
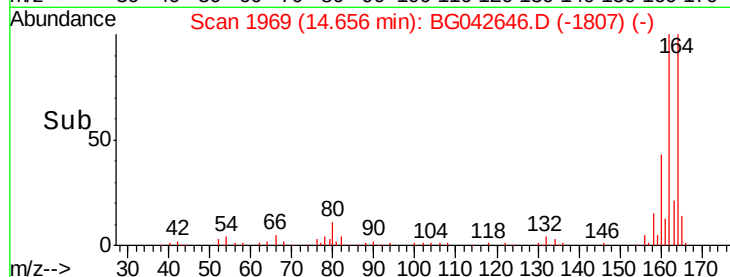
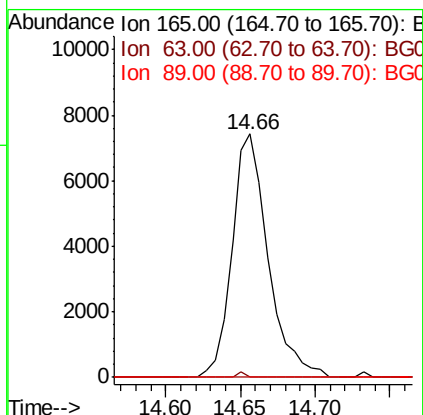
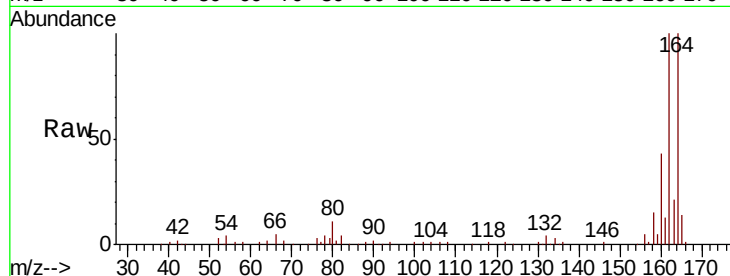




#51
 2,6-Dinitrotoluene
 Concen: 7.965 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042646.D
 Acq: 1 Sep 2019 00:12

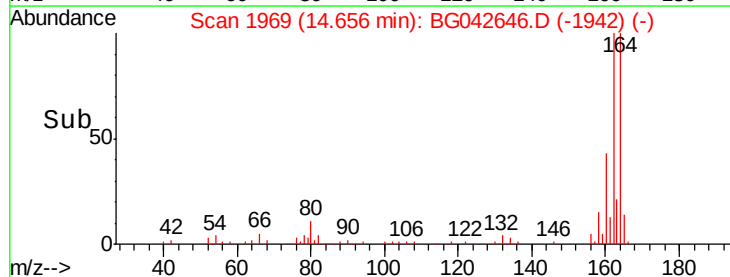
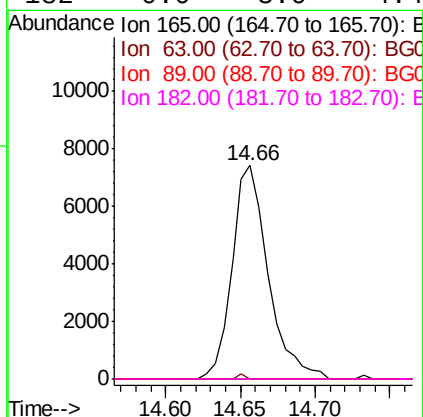
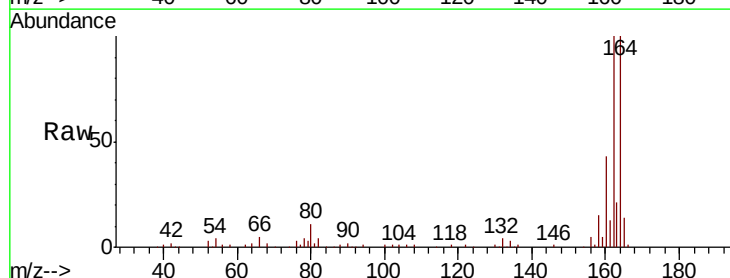
Instrument :
 BNA_G
 ClientSampleId :

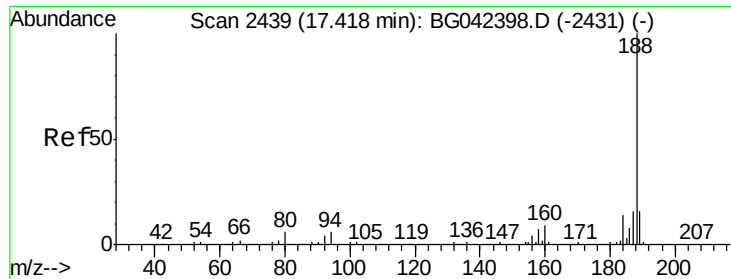
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.562 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042646.D
 Acq: 1 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#

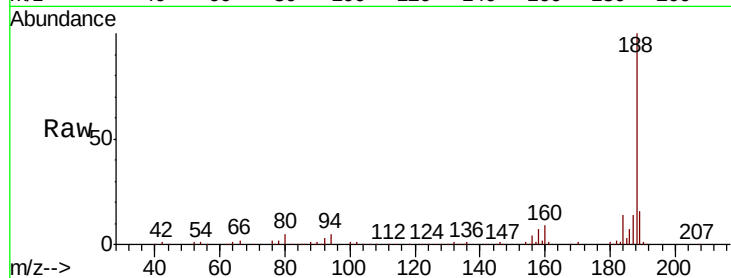




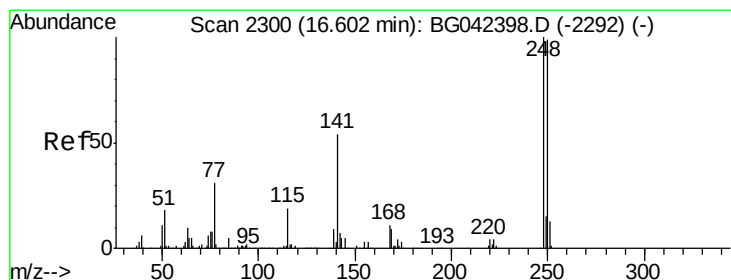
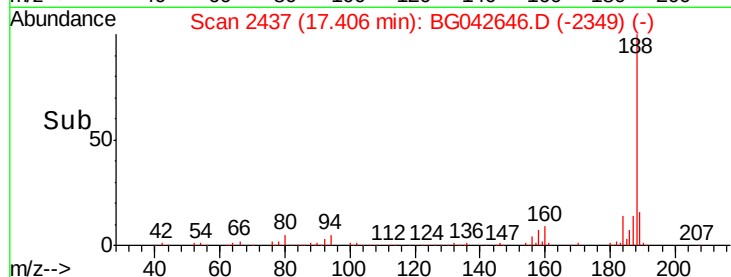
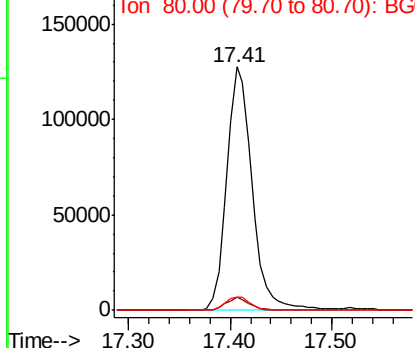
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042646.D
 Acq: 1 Sep 2019 00:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 222429
 Ion Ratio Lower Upper
 188 100
 94 5.5 4.5 6.7
 80 5.3 4.9 7.3

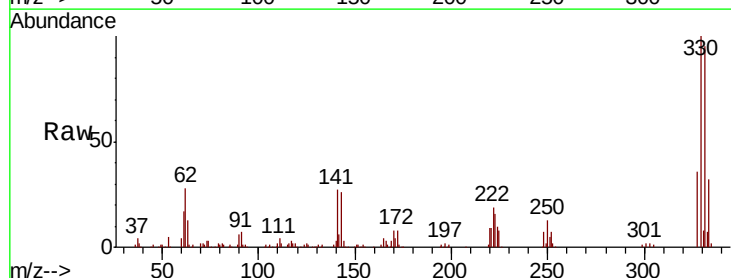


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

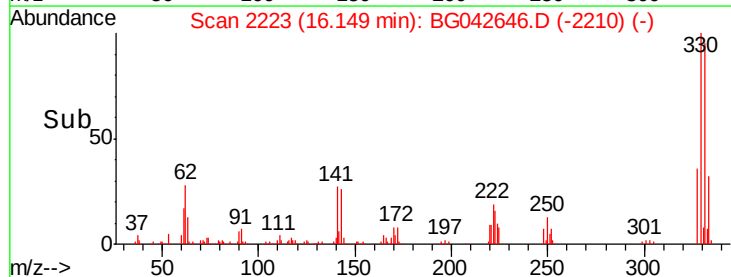
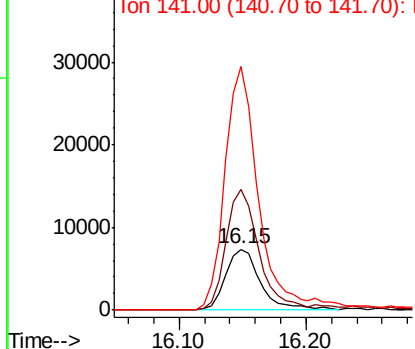


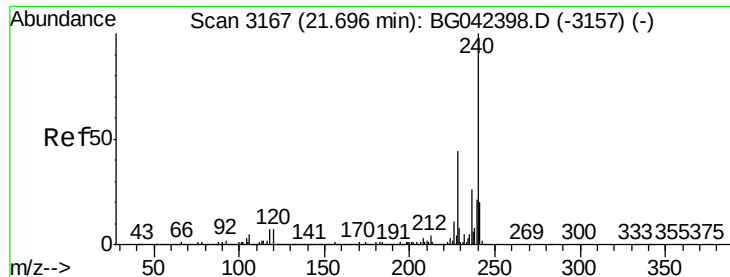
#67
 4-Bromophenyl-phenylether
 Concen: 5.000 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042646.D
 Acq: 1 Sep 2019 00:12

Tgt Ion:248 Resp: 14106
 Ion Ratio Lower Upper
 248 100
 250 198.8 78.9 118.3#
 141 401.8 43.3 64.9#



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

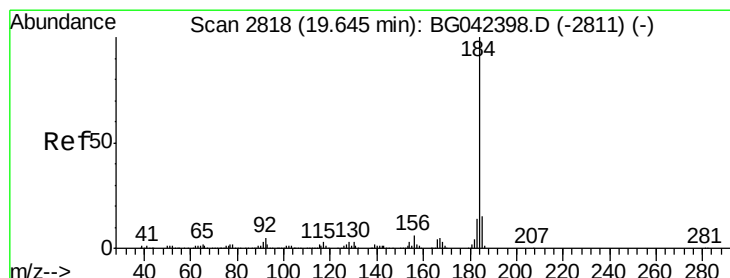
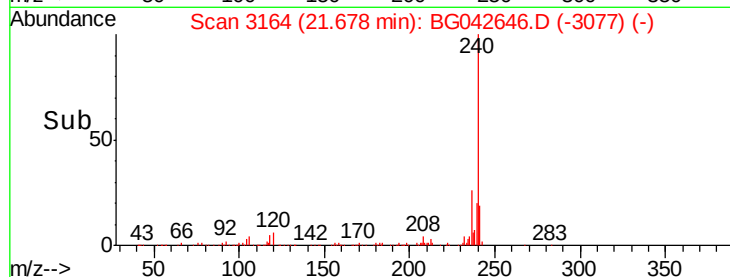
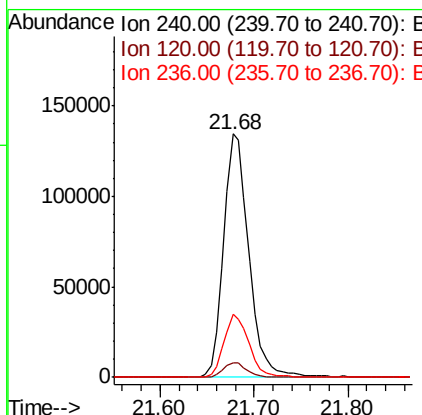
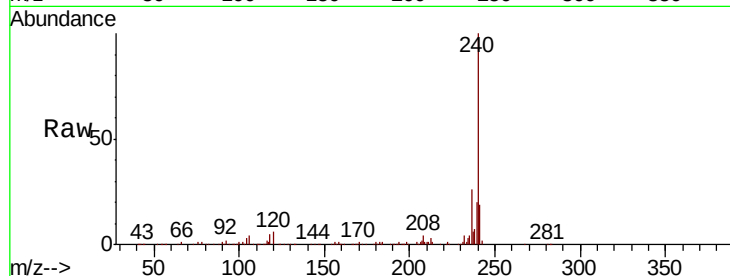




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.02 min
 Lab File: BG042646.D
 Acq: 1 Sep 2019 00:12

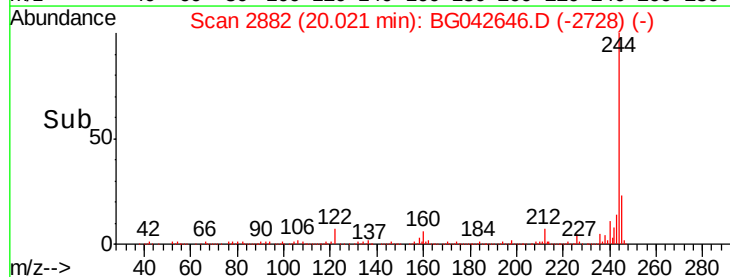
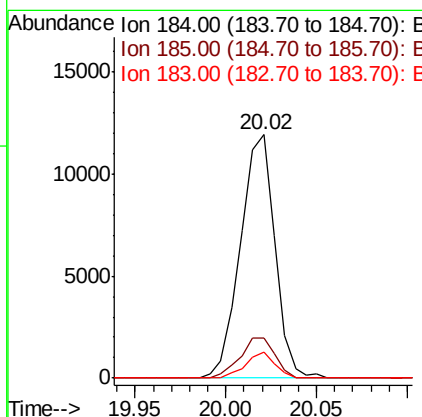
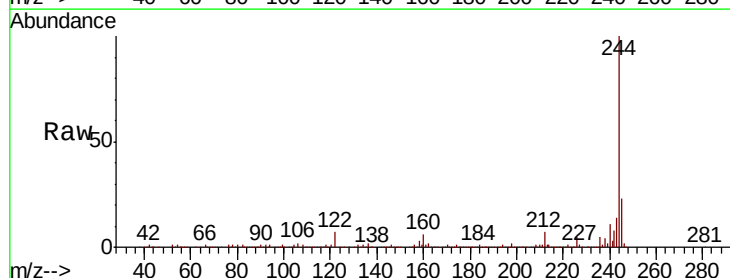
Instrument :
 BNA_G
 ClientSampleId :

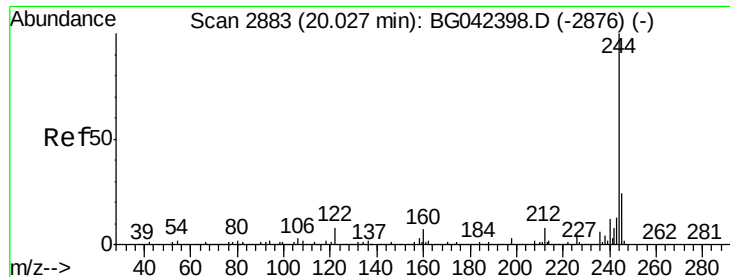
Tot Ion:240 Resp: 251623
 Ion Ratio Lower Upper
 240 100
 120 6.1 5.7 8.5
 236 25.8 21.0 31.4



#77
 Benzidine
 Concen: 2.189 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. 0.38 min
 Lab File: BG042646.D
 Acq: 1 Sep 2019 00:12

Tgt Ion:184 Resp: 15793
 Ion Ratio Lower Upper
 184 100
 185 16.5 12.2 18.4
 183 10.7 10.8 16.2#





#79

Terphenyl-d14

Concen: 106.821 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042646.D

Acq: 1 Sep 2019 00:12

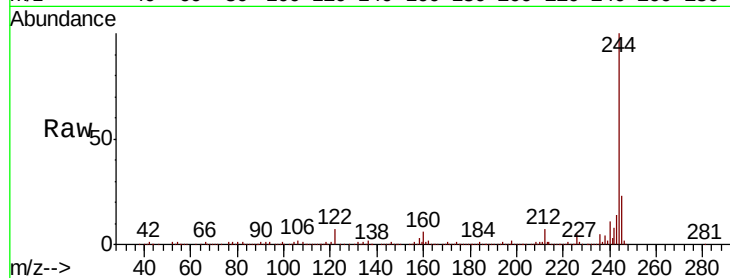
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1243276

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	6.9	6.7	10.1

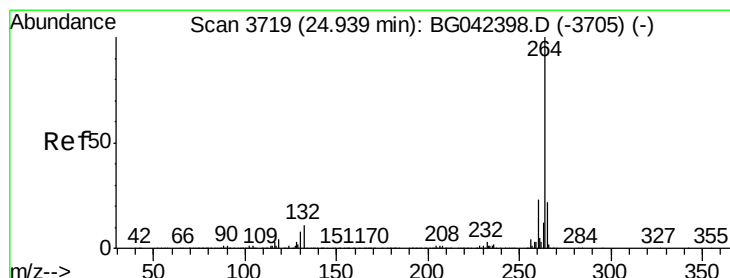
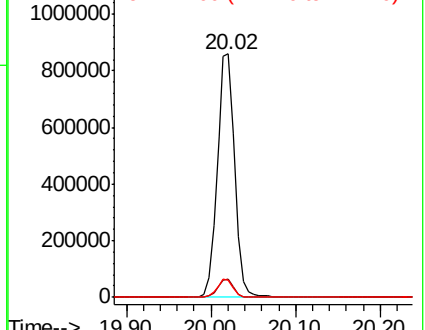
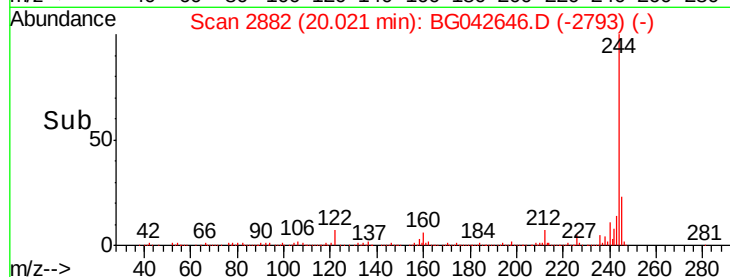


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3715

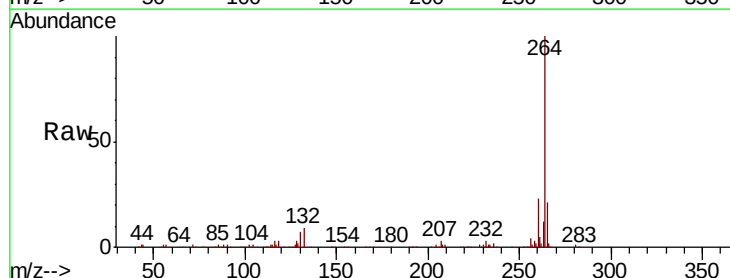
Delta R.T. -0.02 min

Lab File: BG042646.D

Acq: 1 Sep 2019 00:12

Tgt Ion:264 Resp: 289759

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.3	17.6	26.4



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

